

Phase I Environmental Site Assessment MLC Site #1296 – Dort Highway Land

10800 South Saginaw Street
Grand Blanc, Michigan

Prepared for: Motors Liquidation Company
Detroit, Michigan



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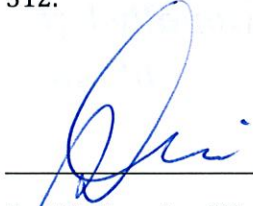
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ENVIRONMENTAL PROFESSIONAL STATEMENT

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



Scott L. Cormier, PE
Vice President
O'Brien & Gere Engineers, Inc.

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EXECUTIVE SUMMARY

At the request of Motors Liquidation Company (MLC) legal staff, O'Brien & Gere Engineers, Inc. (O'Brien & Gere) conducted a Phase I Environmental Site Assessment (ESA) of MLC Site #1296 – Dort Highway Land located at 10800 South Saginaw Street in Grand Blanc, Genesee County, Michigan (Site) as shown on Figure 1. The Site is currently owned by MLC, and formerly known as Area 2 of the General Motors (GM) Metal Fabricating Division (MFD) plant. The Site is currently vacant with most areas covered by exposed soil. A storm water detention pond, known as Storm Water Lagoon #2, and a transformer substation owned by Consumers Energy Company are located in the southern portion of the Site. Grass and vegetation cover parts of the northern and southern sides of the Site.

The Phase I ESA was performed to evaluate the potential existence of recognized environmental conditions (RECs) associated with the Site because of past and/or present Site activities and current Site conditions. As such, O'Brien & Gere's work in performing this Phase I ESA has been conducted in accordance with the American Society for Testing and Materials (ASTM) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, designation E-1527-05" (ASTM E-1527-05).

The purpose of this assessment was to identify and provide information on RECs, as defined by the ASTM E1527-05, and other environmental items.

O'Brien & Gere conducted a Site inspection on April 20, 2010. Based on the Site walkthrough, information provided by Site representatives and regulatory representatives, a review of a federal, state, and local file database search, and the review of other information obtained during this Phase I ESA, the following potential RECs were identified:

- Impacted soils are still believed to be present at location SS2-24 (see Figure 2) because soil impacts were determined to be present by the December 2007 Delineation Investigation at a depth greater than 3 feet, and soil was removed from the Site up to a depth of 3 feet.
- Historical use of the Site as a die storage area.
- The 250-gallon diesel AST located in the southwestern corner of the Site property and

formerly used as a fuel source to power the pump motor for Well #5. Liquid was observed in the bottom of the AST's containment vault along with the presence of a strong diesel odor that may potentially be present due to a leak or release from the AST.

- Wooden floor blocks observed in the southern portion of the Site appeared to be stained with oil.
- Historical activities at the GM MFD Plant adjacent to the Site including the generation of PCB wastes, and a SPILLS database record of a diesel fuel spill that may have reached Storm Water Lagoon #2 on the Site.
- The open LUST database listing for Dennis Nehro & Peter J Kanan located at 10009 South Saginaw. This site is located northeast of the Site at a relative lower elevation; however, groundwater flow at the Site is towards the west-southwest.

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1 INTRODUCTION

1.1 PURPOSE

In accordance with our April 16, 2010 proposal, O'Brien & Gere Engineers, Inc. was retained by Motors Liquidation Company (MLC) to conduct a Phase I Environmental Site Assessment (ESA) for MLC Site #1296 – Dort Highway Land located at 10800 South Saginaw Street in Grand Blanc, Genesee County, Michigan (Site). The Site location is depicted in Figure 1. The Site is currently owned by MLC, and formerly known as Area 2 of the General Motors (GM) Metal Fabricating Division (MFD) plant.

The Phase I ESA was performed to evaluate the existence of recognized environmental conditions (RECs) associated with the Site because of past or present Site activities. As such, the Phase I ESA has been conducted at the Site in conformance with the American Society for Testing and Materials (ASTM) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, designation E-1527-05" (ASTM E-1527-05).

In defining a standard of good commercial and customary practice for conducting an environmental site assessment of a property, the goal of ASTM E-1527-05 is to identify RECs. The term "recognized environmental conditions" means the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, past release, or a material threat of a release of 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 of compliance with applicable laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to the public health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. As such, the Phase I ESA has been conducted at the Site in conformance with the American Society for Testing and Materials (ASTM) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, designation E-1527-05" (ASTM E-1527-05).

1.2 SCOPE OF SERVICES

O'Brien & Gere's activities for the Phase I ESA for the Site included:

- A visual reconnaissance of the property and surrounding areas
- A review of historic documents
- Interviews with individuals having knowledge of past and present Site activities
- A review of regulatory agency documents for an indication of RECs as defined in ASTM Standard Practice E-1527-05
- An evaluation of other information obtained from governmental agencies and sources during the assessment process.

1.3 REPORT ORGANIZATION

This Phase I ESA has been subdivided into the following sections:

- Section 1 identifies the purpose of the Phase I ESA and outlines the scope of services provided
- Section 2 provides the Site description and reconnaissance information for the Site for the Phase I ESA. The following types of information are included in this section:
 - » The location and description of the property
 - » The current and past uses of the Site
 - » The current and past uses of the surrounding properties
 - » Site topography and surficial drainage
 - » Site improvements
 - » A geologic and hydrogeologic description
 - » The results of the Site reconnaissance.
- Section 3 provides a records review for the Site. The records review includes:
 - » State and federal environmental record sources
 - » Additional environmental sources on the state and local levels
 - » Physical setting sources
 - » Historical use information.
- Section 4 provides the findings and conclusions for the Phase I ESA.

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2 SITE DESCRIPTION AND RECONNAISSANCE INFORMATION

2.1 LOCATION AND DESCRIPTION

Information concerning the Site description for this Phase I ESA was obtained from file reviews, interviews with knowledgeable parties, and a Site reconnaissance visit performed on April 20, 2010 by Ms. Alicia Casmer of O'Brien & Gere under the supervision of Mr. Scott Cormier, P.E., of O'Brien & Gere. Mr. Cormier meets the definition of an Environmental Professional, as defined in ASTM E 1527-05. Appendix I contains the resumes for Mr. Cormier and Ms. Casmer. The Site reconnaissance included a walkover of the Site and interviews with the GM MFD Plant's Environmental Engineer, Lead Facility Manager, and Facility Manager to obtain information concerning the present and past uses of the Site and the surrounding properties. The GM MFD Plant Environmental Engineer accompanied Ms. Casmer during the Site inspection.

Photographs taken during the Site reconnaissance are presented in Appendix A. In addition, the following individuals were also contacted:

- Mr. John Maksimchuk, GM MFD Plant Environmental Engineer
- Mr. Scott Freude, GM MFD Plant Lead Facility Manager
- Mr. James Parker, GM MFD Plant Facility Manager
- Mr. Clifford Yantz, Project Associate, O'Brien & Gere.

The Site is located at 10800 South Saginaw Street in Grand Blanc, Michigan and encompasses approximately 39 acres. The Site does not have an individual address, but is currently associated with the GM MFD Plant property and is known at the GM MFD Plant as Area 2. The Site is undeveloped, with exposed soil covering most of the Site. Areas of grass and vegetation are located along the northern, western, and southern sides of the Site. Gravel covers part of the southern half of the Site. A transformer substation and a single building associated with the substation are located in the southeast corner of the Site property. The GM MFD Plant Environmental Engineer reported Consumers Energy Company owns the transformer substation and building. A storm water detention pond (Storm Water Lagoon #2), water well (Well #5), and a vaulted aboveground storage tank (AST) are located

in the southern portion of the Site property. High voltage power lines cross the southern portion of the Site.

The Site is bordered by the GM MFD Plant to the east, commercial property and the GM MFD Plant to the north, an industrial storage warehouse to the south, and Dort Highway to the west. Residential properties are located further west of Dort Highway. The surrounding areas (within an approximate ½-mi radius) are predominantly residential and commercial in use.

Figure 1 provides a Site location map, and Figure 2 provides a Site layout map.

2.2 PRESENT AND PAST USES OF THE SITE AND THE SURROUNDING PROPERTIES

2.2.1 Information Sources

Information regarding the present and past uses of the Site and the surrounding properties was obtained from the following:

- Review of Phase I and Phase II ESAs, and a Delineation Investigation report prepared for Environmental Corporate Remediation Company, Inc., by O'Brien & Gere and dated October 2005, December 2007, and May 2007 respectively
- Interview with the O'Brien & Gere Project Manager with knowledge about Site investigation and remediation activities
- Interviews with the GM MFD Plant Environmental Engineer, Lead Facility Manager, and Facility Manager
- Reviews of historical topographic maps, aerial photographs, and a city directory abstract.

2.2.2 Previous Site Investigations

O'Brien & Gere, on behalf of Environmental Corporate Remediation Company, Inc., prepared the following historical Site investigation reports reviewed for this Phase I ESA:

- "Phase I Environmental Site Assessment, MFD – Grand Blanc (Site #029), Area 2, 10800 South Saginaw Street, Grand Blanc, Michigan." October 2005.
- "Phase II Environmental Site Assessment, MFD – Grand Blanc (Site #029), Area 2, 10800 South Saginaw Street, Grand Blanc, Michigan." May 2007.

- *“Delineation Investigation, MFD – Grand Blanc (Site #029), Area 2, 10800 South Saginaw Street, Grand Blanc, Michigan.”* December 2007.

Based on the findings of the Phase I ESA performed in 2005, O’Brien & Gere conducted a Phase II ESA at the Site in 2007. Soil and water samples were collected and analyzed as part of the Phase II ESA activities. The Phase II ESA found soil leaching to groundwater is not occurring above the Michigan groundwater criteria. Findings of the Phase II ESA also revealed limited surficial polynuclear aromatic hydrocarbon (PAH) and heavy metals impacts, including above the Michigan residential direct contact criteria in several areas across the Site.

The Delineation Investigation was conducted following the Phase II ESA to evaluate the extent of the PAH and heavy metals impacts at the Site. The results of the Delineation Investigation identified the approximate extent of impacts above the Michigan Department of Natural Resources and Environment (DNRE, formerly Michigan Department of Environmental Quality) residential direct contact and/or drinking water criteria and above the DNRE industrial direct contact criteria associated with eleven locations at the Site. The Delineation Investigation found soil impacts extended to a depth of 1 to 3 feet below grade (fbg), except in the central portion of the Site at SS2-24 (see Figure 2) where impacts extended to 6 fbg.

2.2.3 Interviews with the Site Knowledgeable Persons

An interview was conducted with Mr. John Maksimchuk, GM MFD Plant Environmental Engineer since April 2009, Mr. Scott Freude, Lead Facility Manager since January 2010, and Mr. James Parker, GM MFD Plant Facility Manager since July 2008, concerning historical use and current activities on April 20, 2010. The persons interviewed indicated the Site was used for tank testing prior to ownership by GM. GM primarily used the Site as a die storage area. The interviewees reported storm water discharges from Storm Water Lagoon #2, located in the southwest corner of the Site, are permitted by a National Pollution Discharge Elimination System (NPDES) General Storm Water Permit (Permit No. MIS510328). Interviewees also reported a fire pump house formerly located on the Site property was removed in 2008 or 2009. Persons interviewed had knowledge of one spill occurring at the Site. They reported a mercury spill from a mercury switch that

occurred in 1998 in the former fire pump house. The spill was reportedly contained within the fire pump house building. Since the mercury spill was contained within the fire pump house, and the fire pump house has been removed from the Site, this spill is not considered a REC.

An interview was also conducted on April 23, 2010 with Mr. Clifford Yantz, Project Associate with O’Brien & Gere. Mr. Yantz was the project manager for the October 2005 Phase I ESA, May 2007 Phase II ESA, and December 2007 Delineation Investigation performed by O’Brien & Gere at the Site. Mr. Yantz reported soil excavation activities were performed at the Site between the second quarter of 2009 and the first quarter of 2010. The purpose of the soil excavation was to remove known impacted areas of surface soil identified in the Delineation Investigation performed by O’Brien & Gere in 2007. Mr. Yantz reported surface soils up to a 3-foot depth were removed from across the Site and used to fill the basement of a demolished portion of the GM MFD Plant. Mr. Yantz reported known impacted soils have been removed from the Site except for those at location SS2-24 (see Figure 2) where soil impacts were identified up to approximately 6 fbg. Mr. Yantz stated confirmatory samples have not been collected from the Site following soil excavation activities. Known impacted soils still present at SS2-24 represent a REC for the Site.

2.2.4 Sanborn Fire Insurance Maps

A search of available Sanborn fire insurance maps was requested from Environmental Data Resources, Inc. (EDR) of Milford, CT. Based on the nearby address and map location supplied to EDR, Sanborn fire insurance maps were not identified for the subject property. The certification of “No Coverage” is included as Appendix B.

2.2.5 Review of Historical Aerial Photographs

Aerial photographs for the years 1937, 1941, 1950, 1964, 1972, 1982, 1992, 1997 and 2005 were obtained from Environmental Data Resources, Inc. (EDR) of Milford, Connecticut. Copies of these historical aerial photographs are provided in Appendix C. Descriptions of the historical aerial photographs are provided below:

- **1937:** The 1937 aerial photograph shows the Site and adjacent land as being covered by vegetation and used as farmland. A few buildings are present northeast and southeast of the Site.

South Saginaw Street is present northwest of the Site.

- **1941:** This aerial photograph appears similar to the 1937 photograph.
- **1950:** The Site has been developed with roads. Dort Highway is present northwest of the Site, and turns into a road leading through the Site. Part of the building that is now the GM MFD Plant is visible east of the Site. There appears to be some disturbed land (*i.e.*, not covered by roads or vegetation) in the southeast portion of the Site.
- **1964:** There are two structures present in the center and western side of the Site. The GM MFD Plant has been further developed. A parking lot is located northeast of the Site. Large buildings are present west and south of the Site. A residential area is present northwest of the Site, and the land along South Saginaw Street is developed with more buildings. Railroad tracks and spurs are present south of the GM MFD Plant.
- **1972:** The 1972 aerial photograph is similar to the 1964 photograph. The 1972 photo shows more development of the residential area located northwest of the Site. The western side of the Site appears to be developed as a storage area. The storm water detention pond (Storm Water Lagoon #2) is present in the southwest corner of the Site.
- **1982:** In this aerial photograph, the central portion of the Site appears to be developed with pathways, and have trees growing between the pathways.
- **1992:** In this photograph the transformer substation is present in the southeast corner of the Site. Dort Highway has been extended south of the Site.
- **2005:** This aerial photograph appears similar to the 1992 photograph.

2.2.6 Historical U.S.G.S. Topographic Maps

Copies of historical United States Geological Survey (USGS) topographic maps were obtained from EDR for the years 1922, 1969, and 1975. Topographic maps often provide information as to the presence of structures, although details of the structures may not be presented. Copies of these maps are included in Appendix D, and are summarized as follows:

- **1922:** The 1922 topographic map does not depict land-use on the Site property. Saginaw Street is present to the northeast of the Site. The surface elevation on the Site property ranges between approximately 820 and 840 feet above mean sea level (amsl), with the highest altitude being towards the north portion of the Site, the lowest altitude toward the southwest portion of the Site. There is a wetland area located directly southwest of the Site.
- **1969:** This map shows the areas around the Site are developed with buildings and roads. The Site has been developed with roads, and a building or structure is present on the west side of the Site property. The GM MFD Plant is present to the east of the Site. Large buildings are also present to the south and west of the Site. Railroad tracks and spurs are present south of the GM MFD Plant. Interstate 475 is present.
- **1979:** This map appears relatively unchanged from the 1969 map.

2.2.7 City Directory Abstract

A City Directory Abstract obtained from EDR is included in Appendix E, and contains information from the Polk's City Directory. The City Directory Abstract indicates there were not listings for the Site address for 1957, 1959, or 1963. The following are the listing for the Site address since 1969:

- **1969:** General Motors Corp. Fisher Div. (auto body mfrs.)
- **1974, 1979, 1984:** Fisher Body Div. General Motors Corp. (autobody mfrs.)
- **1989, 1995:** Cadillac Motor Car Div. Metal Fab. Operations (auto body mfrs.)
- **2000:** Electronic Data Systems Corp. (data proc.); Metal Fabricating Div. (mtr. vehicle car body)
- **2004:** GM Corp. Metal Fabricating Div. (auto mfrs.)
- **2009:** General Motors Weld Tool Ctr. (welding assemblies & stamping); Hubbard Supply (genl. merchandise retail); Shively Brothers, Inc. (nonclassified); Tri Pointe Community Credit Union

2.2.8 Environmental Liens and Deed

On behalf of O'Brien & Gere, an environmental liens search and property tax map search was requested from EDR. A copy of the property tax map is located

in Appendix F. The environmental lien search results for the Site are included in Appendix G.. EDR searched Genessee County records, but did not find environmental liens placed on the Site in the lien search report. However, according to Mr. Maksimchuk, a lien was placed on the Site by Genessee County for water discharges related to the former Press Room located to the east of the Site. A copy of a covenant deed for the Site address was included in the lien search report in Appendix G. Additional information regarding environmental liens was not identified or available for review.

2.2.9 Chain of Title Search

A chain of title search was not available for review as part of this Phase I ESA. The data gap created from not having a Chain of Title Search to review is discussed in Section 4.1.

2.3 SITE TOPOGRAPHY AND SURFACE DRAINAGE FEATURES

The topography of the Site is generally characterized by a gentle east to west slope with a drainage ditch located along the southern boundary of the Site. The Site is currently undeveloped and mostly covered by exposed soil. Grasses, trees, and heavy vegetation cover areas along the north, west, and south sides of the Site property. Drain tile piping is present across the central portion of the Site running from east to west. Water was observed pooling along the west side of the Site north of Storm Water Lagoon #2.

2.4 SITE IMPROVEMENTS

2.4.1 Structures and Roads

One building is present at the Site. The building is part of the transformer substation, and according to Mr. Maksimchuk, is owned by Consumers Energy Company. A paved roadway is present along the southern and part of the western boundaries of the Site. Part of an asphalt roadway that used to be present through the central portion of the Site is still present. High voltage power lines cross the southern part of the Site from the transformer substation to Dort Highway. Subsurface cable utility lines are also present in the southern portion of the Site. Figure 2 depicts the location of buildings, utilities, and roadways currently present at the Site.

2.4.2 Water Supply Systems

Based on observations made during the Site reconnaissance, and information provided by Mr.

Maksimchuk, the Site is not equipped with a water supply system.

Therefore, RECs were not noted with respect to a water supply system.

2.4.3 Sanitary Sewage Systems/Wastewater Discharge

Based on observations made during the Site reconnaissance, and information provided by Mr. Maksimchuk, sanitary wastes and wastewater are not and have not been generated on the Site.

Therefore, RECs related to sanitary sewage systems and wastewater discharge is not present at the Site.

2.4.4 Storm Water System

Storm water either percolates through grassed or soil areas or flows west and south toward the storm water detention pond (Storm Water Lagoon #2) located in the southwest corner of the Site. Storm water is discharged from Storm Water Lagoon #2 via Outfall 002 to Gibson Drain. These storm water discharges are regulated by NPDES General Storm Water Permit No. MIS510328.

RECs were not noted with respect to the Site's storm water system during the Site walkthrough.

2.4.5 Wells

Three monitoring wells (MW2-1 through MW2-3) were installed at the Site as part of the Phase II ESA performed in 2007, and are depicted on Figure 2. Based on the Phase II ESA findings, the water within these wells were below the residential drinking water criteria. However, selenium at a concentration of 6 ug/L at MW2-2 exceeded the groundwater surface water interface (GSI) criteria of 5 ug/L in the dissolved (filtered) metals sample, but was not detected above the GSI criteria in the corresponding total (unfiltered) metals sample collected one week later. The applicability of the GSI criteria has not been evaluated at the Site; however, because the selenium result was not confirmed in the corresponding total metals sample, groundwater does not appear to be a REC based on the Phase II ESA findings.

A production well, Well #5, is located south of Storm Water Lagoon #2, and has not been in use since 2005 or earlier. According to Mr. Maksimchuk, potable water is now provided to the GM MFD Plant by the City of Grand Blanc. Documentation of the construction or closure of Well #5 was not available.

The EDR Report indicated that no wells were identified on the Site. However, six wells were identified on Site in Site reconnaissance records reviewed as part of the October 2005 Phase I ESA. The EDR Report identified fifty-five wells, including one public water supply well, within 0.125 to 1-mile of the Site.

RECs with respect to wells were not noted for the Site.

2.4.6 Utilities

As discussed in previous sections of this report, overhead power lines and buried cable lines are located in the southern portion of the Site. A transformer substation, owned by Consumers Power Company, is situated on the southeast corner of the Site. The transformers are staged upon a concrete pad without signs of staining or spills observed. Mr. Maksimchuk reported Consumers Energy Company has indicated the transformers do not contain PCBs; however, there were no labels noticed on the transformers to confirm this during the Site visit. Water, gas, and sewer utilities are not present at the Site.

RECs with respect to utilities were not noted for the Site.

2.5 GEOLOGIC AND HYDROGEOLOGIC DESCRIPTION

The EDR Report in Appendix G and the O'Brien & Gere Delineation Investigation Report indicate the Site's underlying geology consists of Paleozoic Era, Meramecian Series bedrock. The Site geology is reported as topsoil or fill soil underlain by native clays with interbedded clayey sand, silt, or loam. The Site is reportedly well drained, and the approximate depth to the water table is generally less than 12 feet. The historical Site investigation Reports indicate groundwater at and around the Site flows towards the west-southwest.

2.6 CONTAINER STORAGE AREAS

Chemical storage was not observed at the Site during the Site reconnaissance. According to Mr. Maksimchuk and historical reports reviewed, the Site was formerly used as a die storage area.

The northwest side of the transformer substation is currently being used as a storage area. Materials observed in this area include a wooden crate of electrical conduit, orange traffic barrels, two HVAC units, and pipe sections. No oil or residues were

observed on the materials stored next to the transformer substation. Mr. Maksimchuk reported he did not know if the materials belonged to GM or to Consumers Energy Company.

A large pile of cinder blocks is currently located at the Site between the transformer substation and Storm Water Lagoon #2. The blocks did appear to have been recently moved to the location.

Historical use of the Site as a die storage area represents a potential REC for the Site.

2.7 UNDERGROUND STORAGE TANKS

No underground storage tanks (USTs), associated pipes, or vents were observed on the Site. However, according to the 2005 Phase I ESA Report for the Site, a 500-gallon diesel UST was formerly located near Well #5. Evidence of a leak or spill from the UST was identified in 1989, and the UST was removed from service in 1990. A 1995 Closure Report submitted to the DNRE indicated the area impacted by the release from the UST was remediated to Michigan Type A (historical criteria) cleanup levels.

The 2005 Phase I ESA Report also identifies a 5,000-gallon UST that was part of an oil/water separation process associated with Storm Water Lagoon #2 was removed in 1989 or 1990. Samples were collected and analyzed as part of the May 2007 Phase II activities to determine if the former 5,000-gallon UST impacted the Site. Based on the results of the Phase II investigation activities, the former 5,000-gallon UST does not appear to have impacted the Site.

Therefore, RECs were not noted with respect to USTs.

2.8 ABOVEGROUND STORAGE TANKS

One approximately 250-gallon diesel AST was observed on the Site adjacent to Well #5. The AST is located in a concrete vault with a metal roof and served as a replacement tank for the 500-gallon UST discussed in Section 2.7. The AST provided diesel fuel to power the Well #5 pump motor. Mr. Maksimchuk was not sure if the AST still contains diesel fuel. A strong diesel odor was noted, and liquid was observed in the bottom of the containment vault during the Site walkthrough. The observations made during the Site walkthrough may be indicative of a leak or release from the diesel AST into the secondary containment. The

integrity of the secondary containment could not be evaluated due to limited access.

Therefore, the 250-gallon diesel AST represents a potential REC.

2.9 PITS, DIP TANKS, SUMPS, PONDS, LAGOONS OR DRAINS

Storm Water Lagoon #2 is a storm water detention pond located on the Site, and is discussed in Section 2.2.4 of this report. Remnants of a concrete utility pull vault and manhole were observed near the central eastern side of the Site, north of the former Site access roadway. The concrete was broken, and water was observed inside the vault. There was no oily sheen or residue observed on the water inside the vault.

No RECs were noted with respect to pits, dip tanks, sumps, ponds, lagoons, or drains during the Site walkthrough.

2.10 INDICATIONS OF POTENTIAL POLYCHLORINATED BIPHENYLS

Potential polychlorinated biphenyl (PCB)-containing equipment was not identified at the Site during the Site reconnaissance. According to Mr. Maksimchuk, Consumers Energy Company has stated the transformers do not contain PCBs.

There are not RECs noted with respect to PCBs at the Site.

2.11 POTENTIAL ASBESTOS-CONTAINING MATERIALS

An asbestos-containing material (ACM) survey was not included in the scope of work for this ESA. However, a qualitative assessment of ACM was performed by O'Brien & Gere as part of this ESA. U.S. Environmental Protection Agency (USEPA) regulations for asbestos-containing materials (ACM) date from 1973. A presumption is established under the federal regulations that asbestos had ceased to be used in construction by 1980 (see 29 CFR Part 1910.1001 (j)(1)).

The transformer substation building was constructed in the mid-1980s according to information obtained from interviews with GM MFD Plant personnel, and observations and interpretations of aerial photographs in Section 2.2.4 of this report. Therefore, it is unlikely there are ACMs in the transformer substation building. No potential ACMs were observed at the Site during the

Site reconnaissance visit. This ESA is not intended to constitute or substitute for a comprehensive, quantitative asbestos survey, and no samples were collected for analysis.

RECs were not noted with the respect to ACM's on the subject property.

2.12 INDICATIONS OF ON SITE WASTE DISPOSAL OR LANDFILLING

Scattered debris including roofing materials and wood floor blocks were observed (see photo ESA 010 in Appendix A) in the southern half of the Site. These materials appear to have been uncovered during soil excavation activities that took place at the Site between 2009 and early 2010. There was no information available regarding the origins of the debris, although it was most likely generated by the adjacent GM MFD Plant property. The wood floor blocks appeared to be stained, possibly with oil.

The wood floor blocks located in the southern portion of the Site are considered a potential REC.

2.13 SOLID AND HAZARDOUS WASTE DISPOSAL

2.13.1 Solid Waste

Solid wastes are not generated by the Site. Mr. Maksimchuk reported solid wastes have not been generated at the Site.

RECs were not noted with respect to solid waste during the Site walkthrough.

2.13.2 Hazardous Waste

The Site does not currently generate hazardous wastes. According to Mr. Maksimchuk, hazardous wastes were not historically generated at the Site.

RECs were not noted with respect to hazardous waste during the Site walkthrough.

2.14 ON-GOING REMEDIATION PROGRAMS

No on-going remediation programs were reported or observed at the Site. As discussed in previous sections of this report, surface soils were removed from the Site property in 2009 and 2010 to remediate known impacted areas of soil from the Site. Excavated soils were used as fill material for the basement of a demolished portion (the former Press Room) of the GM MFD Plant. The DNRE allowed the use of the impacted soils as fill material during a meeting between Mr. James Innes of the DNRE, Mr. Yantz, and representatives from GM and

Arcadis, Inc. on March 2, 2009. Mr. Yantz reported there are plans to reseed exposed soil from the excavation activities in the future.

On-going remediation programs are not considered a REC for the Site.

2.15 SPILL HISTORY AND PAST REMEDIATION ACTIONS

No past spills or remediation programs (actions) were identified in the EDR report. Staining or evidence of spills was not observed during the Site walkthrough. Mr. Maksimchuk reported a mercury spill occurred in the former fire pump house as discussed in Section 2.2.2. In addition, Section 2.2.2 discusses limited soil excavation activities that occurred within the past 12 months. Soil excavation activities removed known impacted soils identified in the December 2007 Delineation Report up to a depth of 3-feet. GM personnel interviewed were not aware of other spills or remediation programs on the Site. No evidence of spills or remediation programs were observed during the Site walkthrough.

RECs were not noted with respect to spills and/or past remediation actions during the Site walkthrough.

2.16 AIR EMISSIONS

Air emission sources were not observed at the Site.

Therefore, air emissions do not appear to represent a REC for the Site.

2.17 USAGE OF HERBICIDES, PESTICIDES, FUNGICIDES, AND RODENTICIDES

According to Mr. Maksimchuk, herbicides, pesticides, fungicides, or rodenticides are not used at the Site. No evidence of their usage or storage was observed during the Site walk through.

RECs were not noted with respect to usage and/or storage of herbicides, pesticides, fungicides, and/or rodenticides during the Site walkthrough.

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3 FEDERAL, STATE AND LOCAL RECORDS REVIEW

3.1 GENERAL

A review of federal and state environmental files was conducted as part of this Phase I ESA. The purpose of this review was to obtain and review records that assist in identifying recognized environmental conditions in connection with the subject property and surrounding properties.

The Site does not have an individual address, but is currently associated with the GM MFD Plant property. Therefore, the GM MFD Plant address, 10800 South Saginaw Street, Grand Blanc, Michigan 48439, was used to perform the EDR database searches. The database searches were completed to assist in the identification of conditions at the Site and within a radius distance specified in ASTM Standard E1527-05. The Site was listed in several databases searched by EDR and is discussed in the following sections of this report. However, based on Site observations, interviews, and historical record reviews, it is assumed that database records found for the address 10800 South Saginaw Street are associated with activities that have taken place within developed portions of the GM MFD Plant. For the purposes of the ESA, the GM MFD Plant is considered to be a property adjacent to the Site.

An environmental database search, prepared by EDR, was performed to identify the presence of properties within the ASTM search distances of the Site with potential environmental issues. A review of the database search report is presented below and a copy of the report is presented as Appendix G.

3.2 FEDERAL ENVIRONMENTAL DATABASE FILE REVIEW

The following federal environmental databases were searched as part of the database report:

- **NPL LIENS** (*Target Property*). 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. The most recent government version is October 15, 1991.
- **CERCLIS database** (*0.5-mi radius*). The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) list is a compilation of known and/or suspected uncontrolled or abandoned hazardous waste sites. These sites have been investigated or are currently under investigation by the USEPA for the release or threatened release of hazardous substances. Once a site is placed on the CERCLIS report, it may be subjected to several levels of review and evaluation and may ultimately be placed on the NPL; most recent government version is January 29, 2010.
- **CERCLIS-NFRAP database** (*0.5-mi radius*). As of February 2005, CERCLIS sites designated “No Further Remedial Action Planned” (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration; most recent government version is June 23, 2009.
- **CORRACTS database** (*1.0-mi radius*). The Corrective Action Report (CORRACT) list identifies hazardous waste handlers with Resource Conservation and Recovery Act (RCRA) corrective action activity; most recent government version is December 11, 2009.
- **RCRAInfo database** (*0.25-mi and 0.5-mi radius*). RCRAInfo is USEPA’s comprehensive information system, providing access to data supporting the RCRA of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by RCRA;
- **NPL database** (*1.0-mi radius*). The National Priorities List (NPL) is a listing of uncontrolled hazardous waste sites eligible for remedial action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA); most recent government version is March 31, 2010.
- **Proposed NPL database** (*1.0-mi radius*). Proposed National Priority List Sites database; most recent government version is March 31, 2010.

most recent government version January 13, 2010.

- **ERNS database** (*Target Property*). The Emergency Response Notification System (ERNS) database is a listing of sites that have reported releases of oil and hazardous substances to the USEPA and the National Response Center of the US Coast Guard; most recent government version is December 31, 2009.
- **NPL Deletions database (Delisted NPL)** (*1.0-mi radius*). The Delisted NPL identifies sites from the NPL where no further response is appropriate; most recent government version is March 31, 2010.
- **Federal Facility Site Information listing (Federal Facility)** (*1.0-mi radius*). The Federal Facility listing provides NPL and Base Realignment & Closure sites found in the CERCLIS database where FERRO is involved in cleanup projects; most recent government version is June 23, 2009.
- **Hazardous Materials Information Reporting System (HMIRS) database** (*target property*). The HMIRS database contains information reported to DOT on hazardous material spill incidents; most recent government version is December 31, 2009.
- **Engineering Controls Sites List (US ENG CONTROLS) database** (*0.5-mi radius*). This database is a listing of sites with engineering controls in place that create pathway elimination for regulated substances to enter environmental media or effect human health; most recent government version is December 20, 2009.
- **Sites with Institutional Controls (US INST CONTROL) database** (*0.5-mi radius*). This is a listing of sites with institutional controls in place such as administrative measures, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site; most recent government version is December 20, 2009.
- **Department of Defense Sites (DOD) database** (*1.0-mi radius*). This database 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; most recent government version is December 31, 2005.
- **Formerly Used Defense Sites (FUDS) database** (*1.0-mi radius*). FUDS includes locations of formerly used defense sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions; most recent government version is December 31, 2008.
- **A Listing of Brownfields Sites (US BROWNFIELDS) database** (*0.5-mi radius*). This database lists brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments; most recent government version is October 1, 2009.
- **Superfund Consent Decrees (CONSENT) database** (*1.0-mi radius*). The CONSENT database identifies major legal settlements establishing responsibility and standards for cleanup at Superfund sites; most recent government version is August 3, 2009.
- **Records of Decision (ROD) database** (*1.0-mi radius*). This database contains information on documented mandated remedies at NPL (Superfund) site; most recent government version is December 1, 2009.
- **Uranium Mill Tailings Sites (UMTRA) database** (*0.5-mi radius*). The UMTRA database provides information regarding 24 inactive uranium mill tailings sites targeted for cleanup by the Department of Energy; most recent government version is January 5, 2009.
- **Open Dump Inventory (ODI) database** (*0.5-mi radius*). This database provides information for disposal facilities that do not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria; most recent government version is June 30, 1985.
- **Toxic Chemical Release Inventory System (TRIS) database** (*target property*). Identifies facilities reporting under Superfund Amendments and Reauthorization Act (SARA) Section 313 for releases of toxic chemicals to the air, water, and land; most recent government version December 31, 2008.
- **Toxic Substances Control Act (TSCA) database** (*target property*). The TSCA database identifies manufacturers and importers of TSCA

listed substances; most recent government version is December 31, 2002.

- **FIFRA/TSCA Tracking System (FTTS) and FTTS INSP) database** (*target property*). The FTTS and FTTS INSP databases track administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA, and Emergency Planning and Community Right-to-Know Act (EPCRA); most recent government version April 9, 2009.
- **HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing database** (*target property*). HIST FTTS contains 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; most recent government version October 19, 2006.
- **HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing database** (*target property*). This database contains 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). This database is no longer updated; most recent government version October 19, 2006.
- **Section 7 Tracking System (SSTS) database** (*target property*). This database identifies all pesticide producing facilities reporting under FIFRA on the types and amounts of pesticides being produced and sold or distributed; most recent government version December 31, 2008.
- **Integrated Compliance Information System (ICIS) database** (*target property*). The ICIS database supports the informational needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program; most recent government version November 10, 2009.
- **PCB Activity Database System (PADS) database** (*target property*). The PADS database contains information on PCB generators, transporters, commercial storers, and/or brokers and disposers that are required to notify USEPA of their activities; most recent government version is September 1, 2009.
- **Material Licensing Tracking System (MLTS) database** (*target property*). The MLTS database identifies facilities licensed by the Nuclear Regulatory Commission for use of radioactive materials; most recent government version is December 24, 2009.
- **Mines Master Index File (MINES) database** (*0.25-mi radius*). The MINES database contains all mine identification numbers issued for mines active or opened since 1971; most recent government version is November 17, 2009.
- **Facility Index System (FINDS) database** (*target property*). The FINDS database contains facility information and ties to other databases, including Permit Compliance System (PCS), Aerometric Information Retrieval System (AIRS); Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes (DOCKET); Federal Underground Injection Control (FURS); Criminal Docket System used to track criminal enforcement for all environmental statutes (C-DOCKET); Federal Facilities Information System (FFIS); State Environmental Laws and Statutes (STATE); and PCB Activity Data System (PADS); most recent government version is October 19, 2009.
- **RCRA Administrative Action Tracking System (RAATS) database** (*target property*). The RAATS database contains records of enforcement actions; most recent government version April 17, 1995.
- **Radiation Information (RADINFO) database** (*target property*). This database contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity; most recent government version is January 12, 2010.
- **Biennial Reporting System (BRS)**. BRS 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. Most recent government version is December 31, 2007.

- **Clandestine Drug Labs (US CDL) database** (*target property*). The US CDL database is provided by the U.S. Department of Justice (“the Department”) as a public service. It contains addresses of some locations (*target property*) 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. Most recent government listing is August 19, 2009.
- **US HIST CDL: National Clandestine Laboratory Register** (*target property*). Most recent government listing is September 1, 2007.
- **Coal Ash Disposal Site Listing (COAL ASH EPA)** (*0.5-mi radius*). The most recent government listing is November 9, 2009.
- **Steam-Electric Plant Operation Data (COAL ASH DOE)** (*target property*). The most recent government listing is December 31, 2005.

Federal Environmental Database Findings

The information generated by the database search does not document whether the sites listed have adversely affected the Site. The list is provided for informational purposes and to identify the presence of those sites where operations may potentially impact the Site.

As part of a database search, “orphan” sites are listed which are within the same municipality as a given property but, because of insufficient or conflicting geographic information, cannot be located relative to the Site.

The Site was listed in the NPDES federal database for storm water permits related to the storm water discharges to Gibson Drain via Outfall 002, and for a Storm Water Construction Permit believed to be for the demolition and soil excavation activities that have taken place at the Site and the GM MFD Plant.

Two sites, located within 0.5-mile from the subject property, were identified in the federal database search and are listed below along with a summary of the regulatory activity as listed in the EDR report.

- The GM MFD Plant and the GM MFD Plant property address (10800 South Saginaw Street) are listed in the ERNS, RCRA Info, PADS, and FINDS federal databases.

This site is listed in the ERNS database for two spills reported on May 27, 1993 and January 31, 2001. The 1993 ERNS record indicates discolored soil with a volatile smell was discovered during excavating. The soil was isolated, and a sample of the soil was sent to a laboratory for analysis. The 2001 ERNS record indicates oil was released to a drainage ditch along the east side of South Saginaw Street observed on January 31, 2001. The EDR Report indicated a spill response team was being dispatched to clean up the released material.

The site is listed in the RCRA Info database as a RCRA Small Quantity Generator (SQG) with generator ID MIK882123342. The site is alternately listed as a historical SQG and Large Quantity Generator (LQG) since August 15, 1980. The site received Generators – General Notices of Violation (NOVs) on September 1, 1995 (compliance achieved: June 20, 1996), February 8, 1991 (compliance achieved: December 5, 1991), May 25, 1988 (compliance achieved: August 29, 1988), and April 8, 1987 (compliance achieved: May 7, 1987). Enforcement actions for the NOVs were written informal actions.

The GM MFD Plant is also listed in the PADS database for PCBs generated or stored at 10800 South Saginaw Street. The EDR report did not contain specific details from the PADS database; however, PCB waste disposal from this site is discussed in Section 3.3 of this report. The historical presence of PCBs at 10800 South Saginaw Street is considered a potential REC for the Site.

CSX Transportation Inc. is identified in the EDR Report as a facility at 10800 South Saginaw Street, and is listed in the RCRA Info and FINDS databases. This listing is believed to be for rail cars stored on the railroad spurs located adjacent to and south of the GM MFD Plant. The site is listed as a RCRA CESQG. There are no violations listed in the EDR Report for this site.

There are no RECs noted with respect to CSX Transportation Inc., 10800 South Saginaw Street.

As part of a database search, "orphan" sites are listed which are within the same municipality as a given property but, because of insufficient or conflicting geographic information, cannot be located relative to the subject property. O'Brien & Gere's review of the "orphan" sites from the federal databases indicates one "orphan" site is located within the ASTM search distances of the subject property.

O'Brien & Gere's review of the "orphan" site Ross Properties, 6434 S Dort Hwy, indicates the site is located within 0.125-mile west of the Site. Ross Properties is listed in the RCRA Info database and was identified as a RCRA Non-Generator on June 3, 2009. This site is identified as a historical small quantity generator as of December 28, 2006. The site received a Generators – General NOV on December 20, 1999. Compliance with the NOV was achieved April 25, 2002.

3.3 STATE AND TRIBAL ENVIRONMENTAL DATABASE FILE REVIEW

The environmental database report included the following state and tribal environmental databases for the Site:

- **State Hazardous Waste Site (SHWS) (1.0-mile radius).** The SHWS records are the state's 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 are identified along with sites where potentially responsible parties will pay for the cleanup. Available information varies by state. The most recent government version is February 1, 2010.
- **Delisted List of Contaminated Sites (DEL SHWS) (1.0-mi radius).** 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. The most recent government version is February 4, 2010.
- **Solid Waste Management Facilities/Landfill Sites (SWF/LF) database (0.5-mi radius).** This database contains an inventory of solid waste disposal facilities or landfills (may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria); most recent government version is February 3, 2010.
- **Leaking Underground Storage Tank (LUST) database (0.5-mi radius).** The most recent government version is March 29, 2010.
- **Indian (Indian LUST) Reports (0.5-mile radius).** The Indian LUST Reports contains an inventory of reported leaking underground storage tank incidents on Indian land.
- **Underground Storage Tank Facility List (UST) database (0.25-mi radius).** The most recent government version is March 29, 2010.
- **Pollution Emergency Alerting System database (SPILLS or PEAS) (target property).** The SPILLS/PEAS database contains reports contained in the PC database including the initial release reporting of LUSTs and all other releases of petroleum to the environment as well as releases to state waters; most recent government version December 8, 2009.
- **Aboveground Storage Tank (AST) (0.25-mile radius).** A listing of sites with registered and active ASTs; most recent government version is February 5, 2010.
- **INDIAN UST (0.25-mile radius).** Provides information about USTs on Indian land in EPA Region 5. The most recent government version is February 11, 2010.
- **FEMA UST (0.25-mi radius).** FEMA UST is a listing of FEAM owned USTs; most recent government listing is January 1, 2010.
- **Engineering and Institutional Controls Sites List (AUL) (0.5-mi radius).** This is a listing of sites with engineering controls in place that create pathway elimination for regulated substances to enter environmental media or effect human health; most recent government version is March 26, 2010.
- **Indian Voluntary Cleanup Program Inventory (Indian VCP) database (0.5-mi radius).** This database contains information about voluntary cleanup sites located on Indian land.
- **Status of Open Dumps on Indian Lands (INDIAN ODI) report (0.5-mi radius).** Most recent government version is December 31, 1998.
- **Baseline Environmental Assessment (BEA) Sites –** The BEA is a listing of sites, which have

filed a BEA with the State, which restricts usage of the property due to the presence of hazardous substances at the property in excess of Michigan's residential clean up criteria contained in Part 201 of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). The most recent government version is March 1, 2010.

- **Drycleaner list (DRYCLEANERS) database** (*0.25-mi radius*). Most recent government listing is January 26, 2010.
- **Brownfields Site Specific Assessments (BROWNFIELDS) database** (*0.5-mile radius*). BROWNFIELDS lists sites that meet the Federal definition of a Brownfield and have contaminant issues that need to be addressed and a redevelopment plan supported by the local government and community. The assessment is an evaluation of environmental impacts caused by previous site uses similar to a Phase II Environmental Assessment; most recent government version is February 12, 2010.
- **Clandestine Methamphetamine Lab Sites (CDL) database** (*target property*). This database contains clandestine methamphetamine lab locations seized by law enforcement agencies; most recent government listing is October 20, 2008.
- **LIENS: CERCLA Lien List** (*target property*). A list of liens placed upon a property's title due to an environmental condition; most recent government listing is January 5, 2010.
- **LIENS 2: CERCLA Lien Information** (*target property*). A federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund moneys. 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; most recent government listing is February 5, 2010.
- **Land Use Control Information System (LUCIS)** (*0.5-mile radius*). LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties; most recent government listing is December 9, 2005.
- **Incident and Accident Data (DOT OPS)** (*target property*). Department of Transportation, Office of Pipeline Safety Incident and Accident data

(*target property*); most recent government listing is January 12, 2010.

- **HIST LF: Inactive Solid Waste Facilities** (*0.5-mi radius*). Most recent government listing is March 1, 1997.
- **Underground Injection Wells Listing (UIC)** (*target property*). The most recent government listing is February 2, 2010.
- **NPDES: List of Active NPDES Permits** (*target property*). The most recent government listing is January 12, 2010.
- **AIRS: Permit and Emissions Inventory Data** (*target property*). The most recent government listing is December 31, 2007.
- **INDIAN RESERV: Indian Reservations** (*1.0-mi radius*). The most recent government listing is December 31, 2005.
- **State Coalition for Remediation of Drycleaners Listing (SCRD DRYCLEANERS)** (*0.5-mi radius*). The most recent government listing is February 10, 2010.
- **Financial Assurance Information Listing (FINANCIAL ASSURANCE)** (*target property*). The most recent government listing is January 28, 2010.
- **Coal Ash Disposal Site Listing (COAL ASH)** (*0.5-mi radius*). The most recent government listing is January 25, 2010.
- **PCB Transformer Registration Database (PCB TRANSFORMER)** (*target property*). The most recent government listing is January 1, 2008.

State and Tribal Environmental Database Findings

The Site was not reported in the State and local databases.

Five sites from the surrounding area were listed in state and tribal databases, as follows:

- The GM MFD Plant and the GM MFD Plant property address (10800 South Saginaw Street) are listed in the LUST, UST, MANIFEST, AIRS, and SPILLS databases.

The site is listed in the LUST database for five leaks that have been reported closed. Leak number C-0096-85 occurred on December 20, 1989, and was closed on October 3, 1990; leak number C-0751-89 occurred on October 27,

1989, and was closed on September 14, 1995; leak number C-0752-89 occurred on October 27, 1989, and was closed on October 3, 1990; leak number C-1179-89 occurred on December 12, 1989, and was closed on July 12, 1996; and leak number C-2697-90 occurred on December 13, 1990, and was closed on July 12, 1996.

Fourteen USTs were removed from the ground at the facility. Tank 1 (500-gal steel diesel tank) and Tank 2 (200-gal steel diesel tank) were removed on October 14, 1991. Tank 3 (12,000-gal steel virgin oil tank), Tanks 4 and 5 (each 12,000-gal steel used oil tank), Tank 6 (30,000-gal steel diesel tank), Tank 7 (30,000-gal steel used oil tank), Tank 8 (30,000-gal steel used oil tank), and Tanks 9 and 10 (each 2,000-gal steel gasoline tank) were removed on December 1, 1989. Tank 11 (2,000-gal steel gasoline tank) was removed on October 14, 1991. Tanks 12, 13, and 14 (each 5,000-gal steel used oil tank) were removed on August 3, 1988.

The EDR Report also provided MANIFEST records for the site. Generated wastes listed in the MANIFEST records are D008 – Lead 5.0-mg/L TCLP, B007 – Other Miscellaneous PCB Wastes, D009 – Mercury 0.2-mg/L TCLP. Wastes were disposed of between 1997 and 2005. Except for the mercury waste that was incinerated, the wastes were landfilled.

The GM MFD Plant is listed in the AIRS database for a permit application received on November 1, 1977 (Permit No. 683-77) for an exhaust fan.

The site is also listed in the State SPILLS database for a June 14, 2000 release of diesel fuel from a train's derailed engine. The spill was contained in a lagoon on the site property. The lagoon reportedly contained booms to absorb and contain the spill. The SPILLS record does not indicate if the lagoon referenced was Storm Water Lagoon #2 located on the Site, or another lagoon. Additional information regarding this incident was not available for review.

The MANIFEST records indicating the historical presence of PCBs and mercury at the GM MFD Plant, and the SPILLS record of a diesel fuel spill that may have reached Storm Water Lagoon #2 on the Site are considered potential RECs for the Site.

- Gerald D Ross, 6434 Dort Hwy, is listed in the HIST LF database. Another facility Ross

Properties, G-6434 S Dort Hwy, is listed in the LUST and UST databases. Based on the located of these site listings, they are believed to be the same site. This is also believed to be the same property as the "orphan" site finding listed in Section 3.2.

This site is located less than 0.125-mile from the facility at a relatively lower elevation than the Site. This site is listed in the HIST LF database as an inactive Type II landfill. Additional details regarding the landfill were not available. Due to the relative altitude of Gerald D Ross with respect to the Site, this listing is not considered a REC.

The site is listed in the LUST database for a closed leak (leak number: C-0005-07). The leak release date is January 10, 2007, and the record was closed on November 24, 2007. There is one record of a UST removed from the site on January 10, 2007. The UST was a 4,000-gallon diesel tank. No RECs with respect to the LUST and UST listing for this site were identified.

- Dennis Nehro & Peter J Kanan, 10009 S Saginaw St, is listed in the LUST database. This site is located northeast of the Site at a relative lower elevation. A release (leak number: C-0019-07) occurred at this site on January 24, 2007. Although the site is at a relative lower elevation, historical Site Investigation Reports indicate groundwater at and around the Site flows towards the west-southwest. Due to groundwater flow and the open status of this LUST site, it is considered a REC for the Site.
- Ron-Slivka Buick – GMC Truck, G-6201 S Saginaw St, is listed in the LUST and UST databases. This site is located north-northeast of the Site at a relatively lower elevation. Two leaks occurred on January 15, 1991 (leak number: C-0078-91) and November 15, 1994 (leak number: C-1397-94), and both were closed on June 27, 1995. The EDR Report contains records for one phantom, non-registered tank, and four USTs that were removed from the site. Tank 1 (2,000-gallon steel gasoline tank) was removed on August 26, 1991; Tank 2 (550-gallon steel used oil tank) was removed on November 15, 1994; and Tank 3 (2,000-gallon steel new oil tank) and Tank 4 (2,000-gallon steel new trans oil tank) were removed on January 1, 1984. No RECs are noted with respect to Ron-Slivka Buick – GMC Truck.

- Al Serra Chevrolet Inc, 6167 S Saginaw Rd, is listed in the LUST and UST databases, and is located north-northeast of the Site at a relatively lower elevation. One LUST record for the site indicates a release occurred on November 2, 1991 (leak number: C-2364-91) and was closed on January 1993. There is one record of a phantom, non-registered tank associated with this site. Three USTs were removed from the site. Tank 1 (1,000-gallon steel or composite motor oil tank), Tank 2 (1,000-gallon steel tank), Tank 3 (1,000-gallon steel used oil tank) were removed on November 2, 1991. One double walled, composite gasoline tank is still in use at the site. No RECs are noted with respect to Ron-Slivka Buick – GMC Truck.

O'Brien & Gere's review of the "orphan" sites from the state and tribal databases indicates one "orphan" site is located within the ASTM search distances of the subject property.

O'Brien & Gere's review of the "orphan" site, Vanderhorst Property, Corner of Saginaw St & Dort Hwy, indicates the site is located within 1.0-mile north of the Site. Vanderhorst Property is listed in the DEL SHWS database. Vanderhorst Property is located north of the Site, and the EDR Report indicates the site was delisted as a hazardous waste site because it no longer meets criteria specified in the hazardous waste rules. No RECs associated with Vanderhorst Property are noted.

3.4 REGULATORY AGENCY CONTACTS

A Freedom of Information Act (FOIA) request was submitted on April 20, 2010, to obtain records pertaining to the Site from Grand Blanc Township. Another FOIA request was also submitted on the same date to the Genesee County Health Department. Grand Blanc Township allowed Ms. Casmer to review files related to the Site, and no records related to environmental incidents at the site were found. The Genesee County Health Department personnel performed a brief search and verbally stated the Health Department does not have environmental records related to the Site. A formal reply to the Health Department FOIA requests has not been received as of the date of this report.

4 PHASE I ESA FINDINGS AND CONCLUSIONS

4.1 SIGNIFICANCE OF DATA GAPS

In the completion of this Phase I ESA, a title history and Sanborn fire insurance maps were not available for review and represent data gaps of the Phase I ESA process. However, these data gaps are not considered significant in being able to reach a conclusion for this assessment. Other sources, including historical topographic maps, aerial photographs, and the City Directories, were available to provide the needed information and therefore the data gaps identified were insignificant to the outcome of the assessment.

4.2 FINDINGS AND CONCLUSIONS

We have performed a Phase I Environmental Site Assessment of the Site in conformance with the scope and limitations of ASTM Practice E 1527-05. Any exceptions to, or deletions from this practice are described in this report. This assessment has revealed the following RECs in connection with the Site:

- Impacted soils are still believed to be present at location SS2-24 (see Figure 2) because soil impacts were determined to be present by the December 2007 Delineation Investigation at a depth greater than 3 feet, and soil was removed from the Site up to a depth of 3 feet.
- Historical use of the Site as a die storage area.
- The 250-gallon diesel AST located in the southwestern corner of the Site property and formerly used as a fuel source to power the pump motor for Well #5. Liquid was observed in the bottom of the AST's containment vault along with the presence of a strong diesel odor that may potentially be present due to a leak or release from the AST.
- Wooden floor blocks observed in the southern portion of the Site appeared to be stained with oil.
- Historical activities at the GM MFD Plant adjacent to the Site including the generation of PCB wastes, and a SPILLS database record of a diesel fuel spill that may have reached Storm Water Lagoon #2 on the Site.
- The open LUST database listing for Dennis Nehro & Peter J Kanan located at 10009 South Saginaw. This site is located northeast of the Site at a

relative lower elevation; however, groundwater flow at the Site is towards the west-southwest.

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5 QUALIFICATIONS AND LIMITATIONS

This Report was prepared pursuant to the proposal dated April 16, 2010, between MLC and O'Brien & Gere. Uses of this Report are subject to, and deemed acceptance of, the conditions and restrictions contained in the referenced Agreement. The observations and conclusions described in this Report are based solely on the scope of services provided pursuant to the Agreement. O'Brien & Gere has not performed additional observations, investigations, studies, or other testing not specified in the Agreement. O'Brien & Gere shall not be liable for the existence of conditions, which the discovery of would have required the performance of services not authorized under the Agreement.

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This Report reflects Site conditions observed and described by records available to O'Brien & Gere as of the date of the Report. The passage of time may result in significant changes in Site conditions or technology that could alter the findings and/or recommendations of the Report. Accordingly, O'Brien & Gere shall bear no liability for deviations from observed conditions or available records after the date of the Report.

O'Brien & Gere shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, not available, or not fully disclosed at the time the assessment was conducted.

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6 REFERENCES

Certified Sanborn® Map Report, Site #1269 - Dort Highway Land, 10800 South Saginaw Street, Grand Blanc, MI 48439. Environmental Data Resources, Inc., Milford, Connecticut, April 19, 2010.

Clifford Yantz, O'Brien & Gere Engineers, Inc. March 3, 2009. *Area 2 Borrow Soil Discussion Summary.* Dawn Cleary, General Motors; James Innes, MDEQ; Peter Martin, General Motors; Wendy White, Arcadis Inc.; Corri Piatek, Arcadis Inc.

"Delineation Investigation, MFD – Grand Blanc (Site #029), Area 2, 10800 South Saginaw Street, Grand Blanc, Michigan." O'Brien & Gere Engineers, Inc., December 2007.

Innes, James. "Re: GM Grand Blanc – Summary of Our Discussion." Message to Clifford Yantz. March 11, 2009. E-mail.

Personal Interview. Mr. John Maksimchuk, GM MFD Plant Environmental Engineer, General Motors Company, April 20, 2010.

Personal Interview. Mr. Scott Freude, GM MFD Plant Lead Facility Manager, General Motors Company, April 20, 2010.

Personal Interview. Mr. James Parker, GM MFD Plant Facility Manager, General Motors Company, April 20, 2010.

Personal Interview. Clifford Yantz, Project Associate, O'Brien & Gere. April 23, 2010.

"Phase I Environmental Site Assessment, MFD – Grand Blanc (Site #029), Area 2, 10800 South Saginaw Street, Grand Blanc, Michigan." O'Brien & Gere Engineers, Inc., October 2005.

"Phase II Environmental Site Assessment, MFD – Grand Blanc (Site #029), Area 2, 10800 South Saginaw Street, Grand Blanc, Michigan." O'Brien & Gere Engineers, Inc., May 2007.

The EDR Environmental LienSearch™ Report, Site #1269 – Dort Highway Land, 10800 South Saginaw Street, Grand Blanc, MI 48439. Environmental Data Resources, Inc., Milford, Connecticut. April 30, 2010.

The EDR Historical Topographic Map Report, Site #1269 - Dort Highway Land, 10800 South Saginaw Street, Grand Blanc, MI 48439. Environmental Data Resources, Inc., Milford, Connecticut. April 19, 2010.

The EDR Property Tax Map Report, Site #1269 - Dort Highway Land, 10800 South Saginaw Street, Grand Blanc, MI 48439. Environmental Data Resources, Inc., Milford, Connecticut. April 19, 2010.

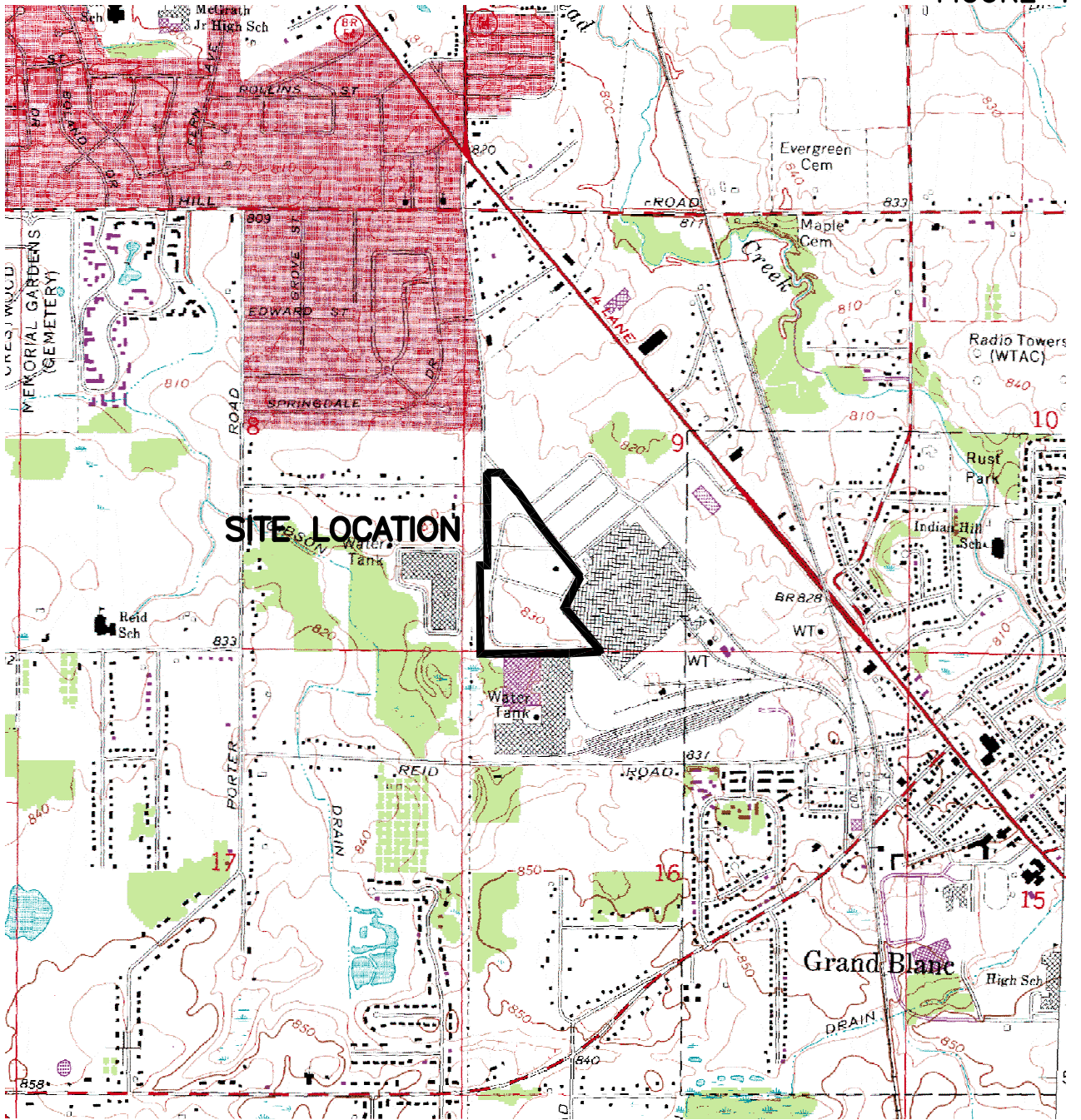
The EDR Radius Map™ Report with GeoCheck®, Site #1269 - Dort Highway Land, 10800 South Saginaw Street, Grand Blanc, MI 48439. Environmental Data Resources, Inc., Milford, Connecticut. April 19, 2010.

The EDR-Aerial Photo Decade Package, Site #1269 - Dort Highway Land, 10800 South Saginaw Street, Grand Blanc, MI 48439. Environmental Data Resources, Inc., Milford, Connecticut. April 22, 2010.

The EDR-City Directory Abstract, Site #1269 - Dort Highway Land, 10800 South Saginaw Street, Grand Blanc, MI 48439. Environmental Data Resources, Inc., Milford, Connecticut. April 21, 2010.

Site Location Map

FIGURE 1



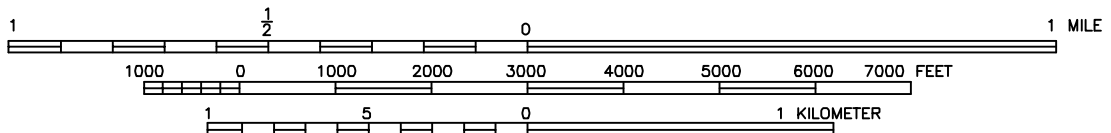
ADAPTED FROM: FLINT SOUTH, MICHIGAN, U.S.G.S. 7.5 MIN. QUAD



MICHIGAN
QUADRANGLE LOCATION

**MOTORS LIQUIDATION COMPANY
 PHASE I ESA – MLC SITE #1296
 DORT HIGHWAY LAND, GRAND BLANC, MI**

SITE LOCATION MAP



FILE NO. 14774.46130-001
APRIL 2010

SCALE: 1:24000



Site Layout Map

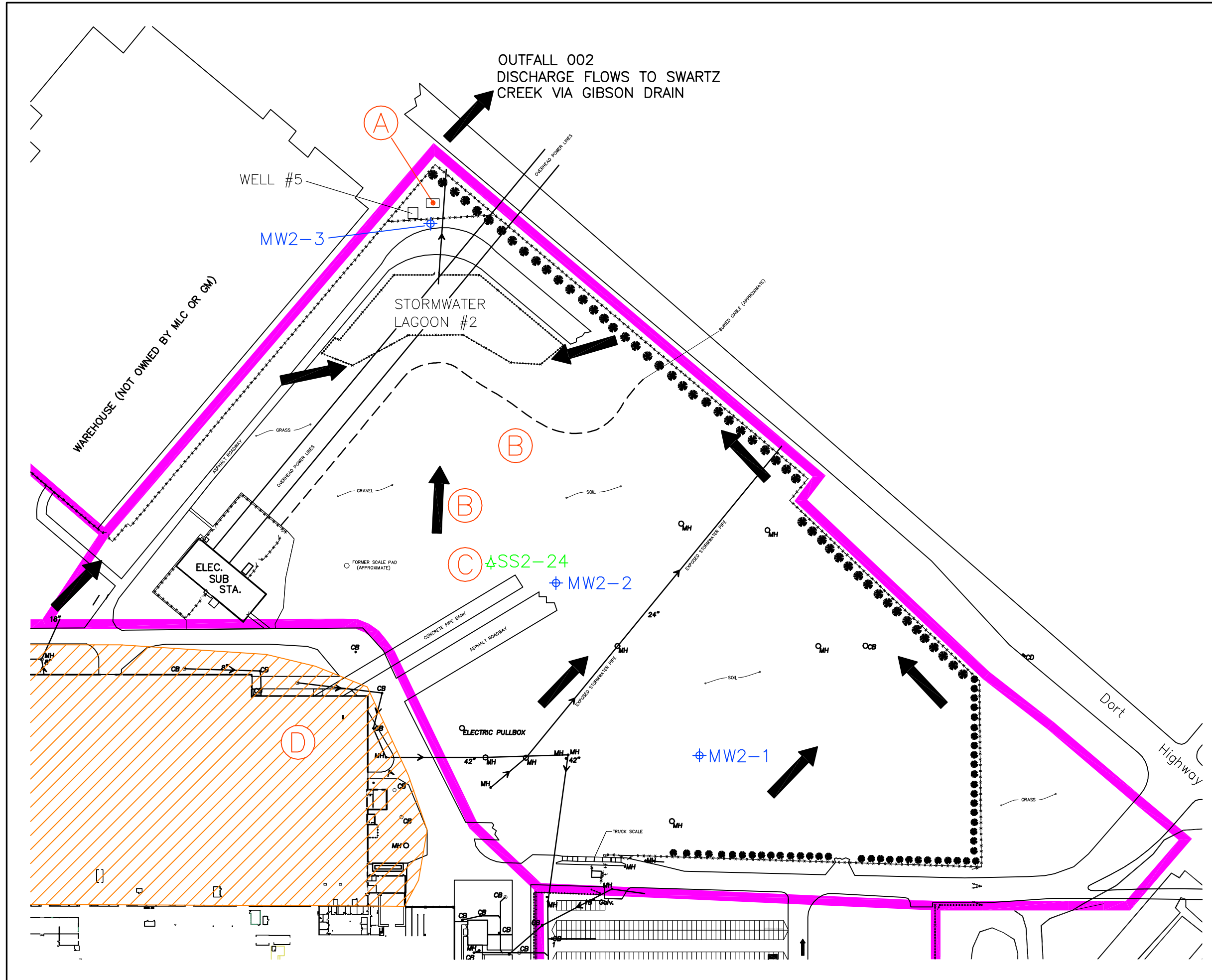
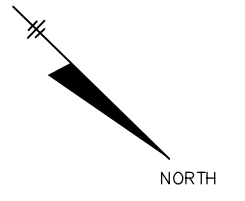


FIGURE 2



- LIST OF RECs**
- (A) - 250-GAL DIESEL AST
 - (B) - UNEARTHED WOOD FLOOR BLOCKS
 - (C) - IMPACTED SOIL DETECTED IN DELINEATION INVESTIGATION
 - (D) - HISTORIC OPERATIONS AT THE MFD
- LEGEND**
- HISTORIC SOIL BORING
 - HISTORIC MONITORING WELL
 - BOUNDARY OF PHASE I ESA
 - FORMER PRESS ROOM OF MFD (DEMOLISHED)
 - APPROXIMATE STORMWATER DRAINAGE

MOTORS LIQUIDATION COMPANY

MLC SITE #1296
DORT HIGHWAY LAND
GRAND BLANC, MI

SITE LAYOUT MAP



FILE NO. 14774.46130-002
APRIL 2010



Site Photographs



Client: Motors Liquidation Company Project Number: 14774.46130

Site Name: Site #1296 - Dort Highway Land Location: Grand Blanc, Michigan

Photo Number:
ESA 001

Photographer:
Alicia Casmer

Date:
04/20/2010

Orientation:
View looking
northeast.

Description:
View from
center of west
side of Site
facing northeast.



Photo Number:
ESA 002

Photographer:
Alicia Casmer

Date:
04/20/2010

Orientation:
View looking
southeast.

Description:
View from
center of west
side of Site
facing southeast.





Client: Motors Liquidation Company Project Number: 14774.46130

Site Name: Site #1296 - Dort Highway Land Location: Grand Blanc, Michigan

Photo Number:
ESA 003

Photographer:
Alicia Casmer

Date:
04/20/2010

Orientation:
View looking south.

Description:
View from center of west side of Site facing south.



Photo Number:
ESA 004

Photographer:
Alicia Casmer

Date:
04/20/2010

Orientation:
View looking north.

Description:
View of Storm Water Lagoon #2 from southern corner of Site facing north.





Client: Motors Liquidation Company Project Number: 14774.46130

Site Name: Site #1296 - Dort Highway Land Location: Grand Blanc, Michigan

Photo Number:
ESA 005

Photographer:
Alicia Casmer

Date:
04/20/2010

Orientation:
N/A

Description:
Typical manhole
to storm water
conveyance
system.



Photo Number:
ESA 006

Photographer:
Alicia Casmer

Date:
04/20/2010

Orientation:
View looking
southwest.

Description:
View of the
Consumers
Energy
transformer
substation from
the northeast.





Client: Motors Liquidation Company Project Number: 14774.46130

Site Name: Site #1296 - Dort Highway Land Location: Grand Blanc, Michigan

Photo Number:
ESA 007

Photographer:
Alicia Casmer

Date:
04/20/2010

Orientation:
N/A

Description:
View of 250-gal
diesel fuel tank
vault.



Photo Number:
ESA 008

Photographer:
Alicia Casmer

Date:
04/20/2010

Orientation:
N/A

Description:
View of Well #5
pump.





Client: Motors Liquidation Company Project Number: 14774.46130

Site Name: Site #1296 - Dort Highway Land Location: Grand Blanc, Michigan

Photo Number:
ESA 009

Photographer:
Alicia Casmer

Date:
04/20/2010

Orientation:
N/A

Description:
Miscellaneous
material storage
near northwest
side of
transformer
substation.



Photo Number:
ESA 010

Photographer:
Alicia Casmer

Date:
04/20/2010

Orientation:
N/A

Description:
Typical wooden
floor blocks
observed in
southern portion
of the site.





Client: Motors Liquidation Company Project Number: 14774.46130

Site Name: Site #1296 - Dort Highway Land Location: Grand Blanc, Michigan

Photo Number:
ESA 011

Photographer:
Alicia Casmer

Date:
04/20/2010

Orientation:
N/A

Description:
Concrete pad
from electric pull
box located on
east side of Site.



Photo Number:
ESA 012

Photographer:
Alicia Casmer

Date:
04/20/2010

Orientation:
N/A

Description:
Monitoring well
located in
northeastern
portion of the
Site.



Sanborn® Map



Site #1269 - Dort Highway Land

10800 South Saginaw Street

Grand Blanc, MI 48439

Inquiry Number: 2748025.3

April 19, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

4/19/10

Site Name:

Site #1269 - Dort Highway Land
10800 South Saginaw Street
Grand Blanc, MI 48439

Client Name:

O'Brien & Gere
37000 Grand River Ave
Farmington Hills, MI 48335

EDR Inquiry # 2748025.3

Contact: Alicia Casmer



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Certified Sanborn Results:

Site Name: Site #1269 - Dort Highway Land
Address: 10800 South Saginaw Street
City, State, Zip: Grand Blanc, MI 48439
Cross Street:
P.O. # NA
Project: 14774/PDS:22448
Certification # 4A7E-4A8A-B390



Sanborn® Library search results
Certification # 4A7E-4A8A-B390

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- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Aerial Photographs

Site #1269 - Dort Highway Land

10800 South Saginaw Street
Grand Blanc, MI 48439

Inquiry Number: 2748025.5
April 22, 2010

The EDR Aerial Photo Decade Package



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Milford, CT 06461
800.352.0050
www.edrnet.com

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Date EDR Searched Historical Sources:

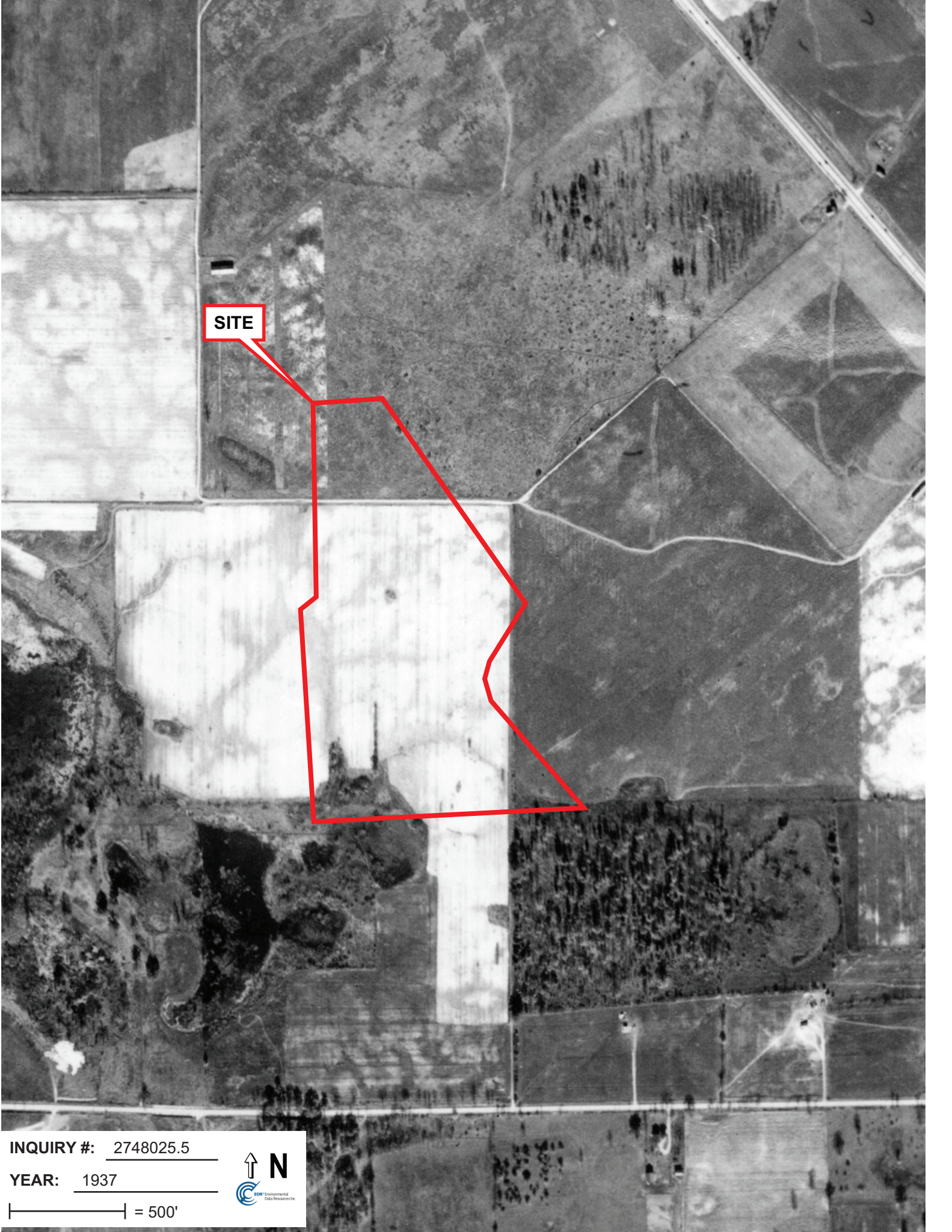
Aerial Photography April 22, 2010

Target Property:

10800 South Saginaw Street

Grand Blanc, MI 48439

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1937	Aerial Photograph. Scale: 1"=500'	Flight Year: 1937	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 Best Copy Available from original source	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



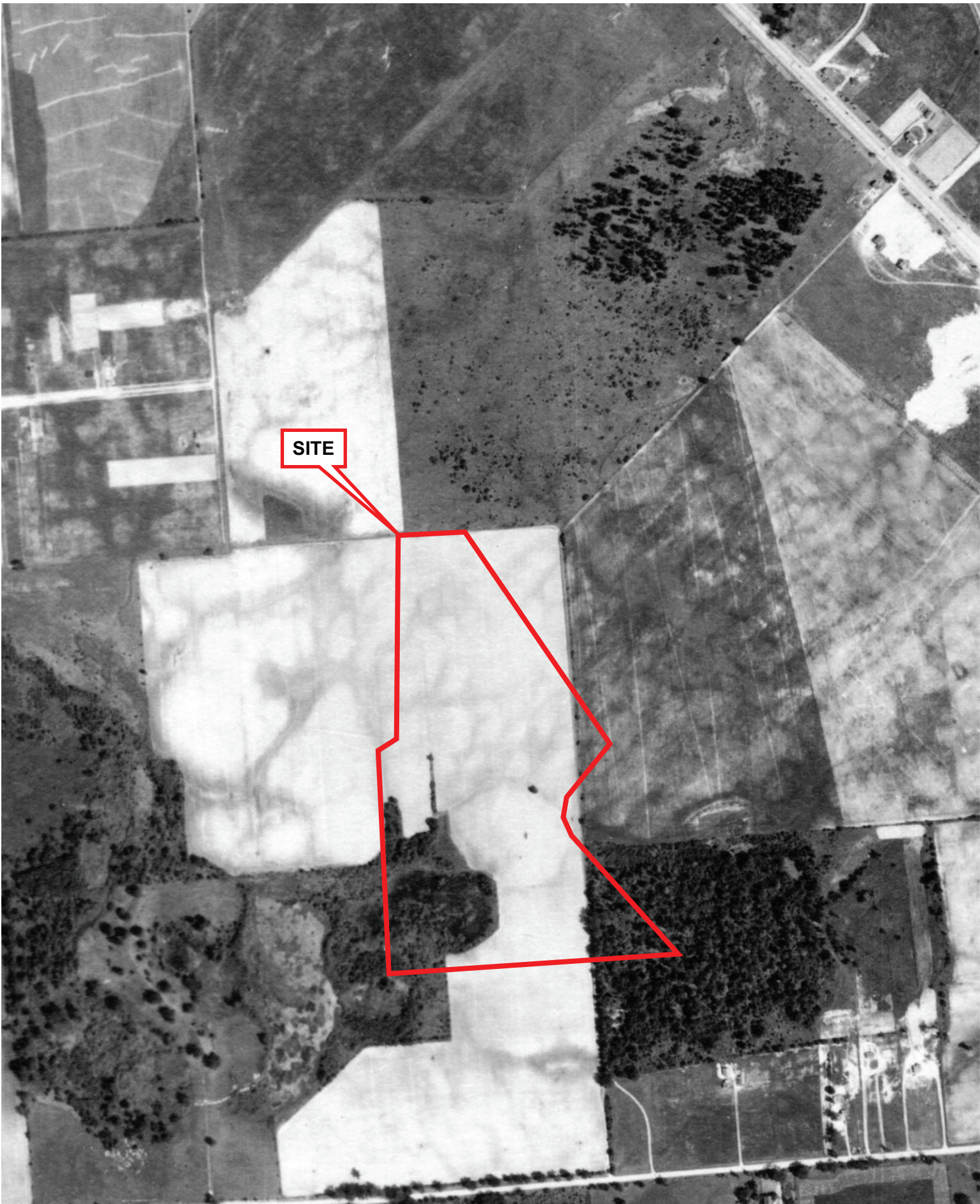
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INQUIRY #: 2748025.5

YEAR: 1937

| = 500'





SITE

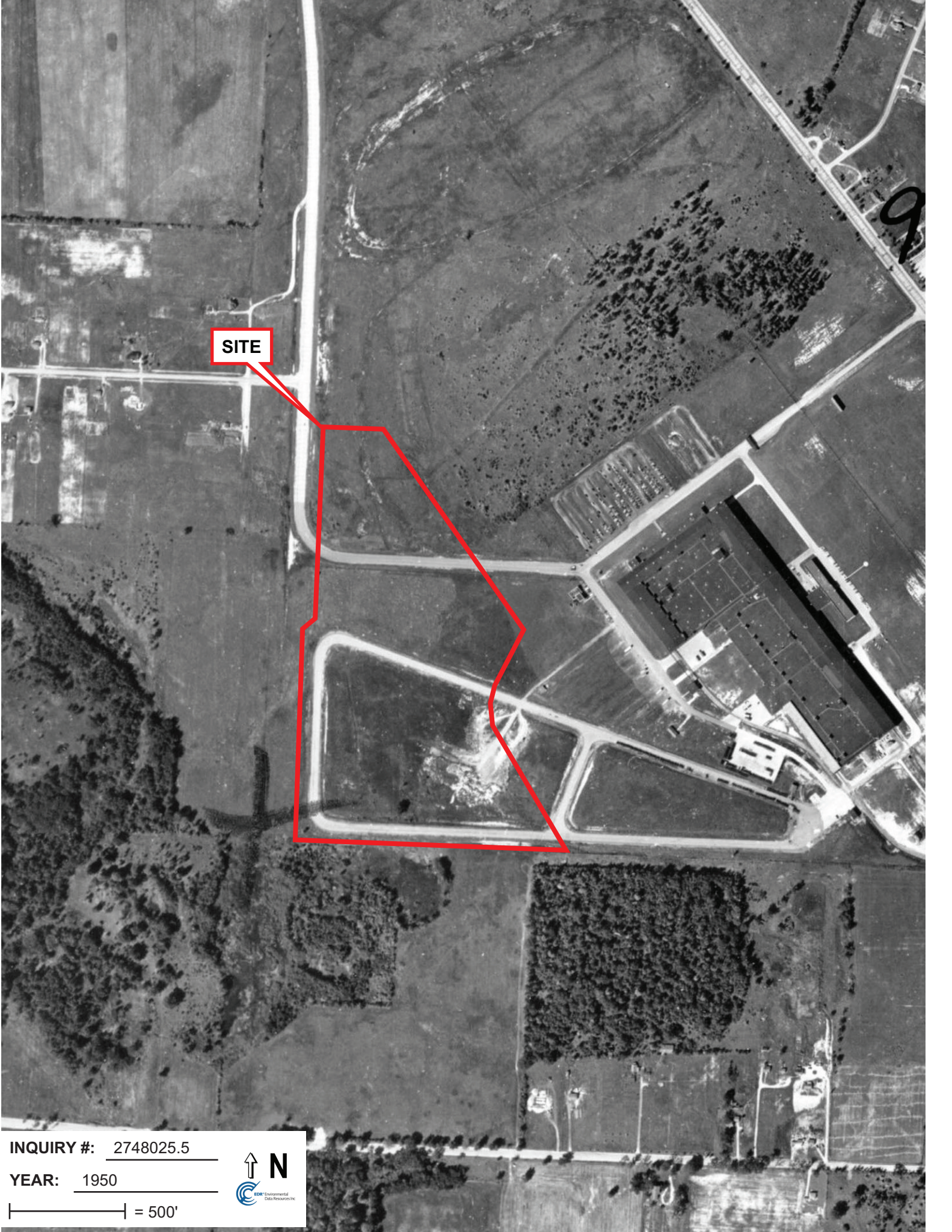
INQUIRY #: 2748025.5

YEAR: 1941

|—————| = 500'



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Data Resources Inc.



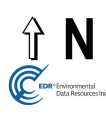
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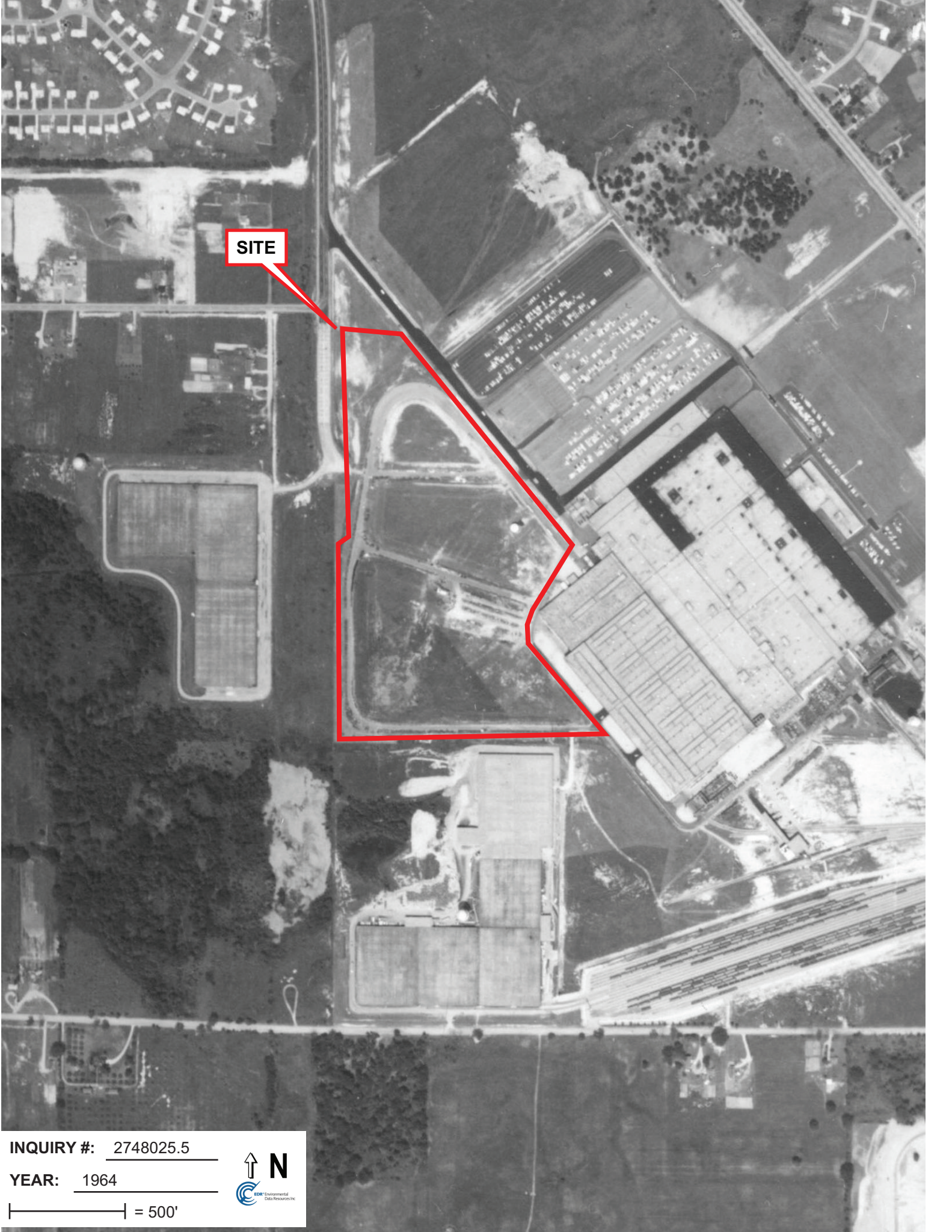
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YEAR: 1950

|—————| = 500'





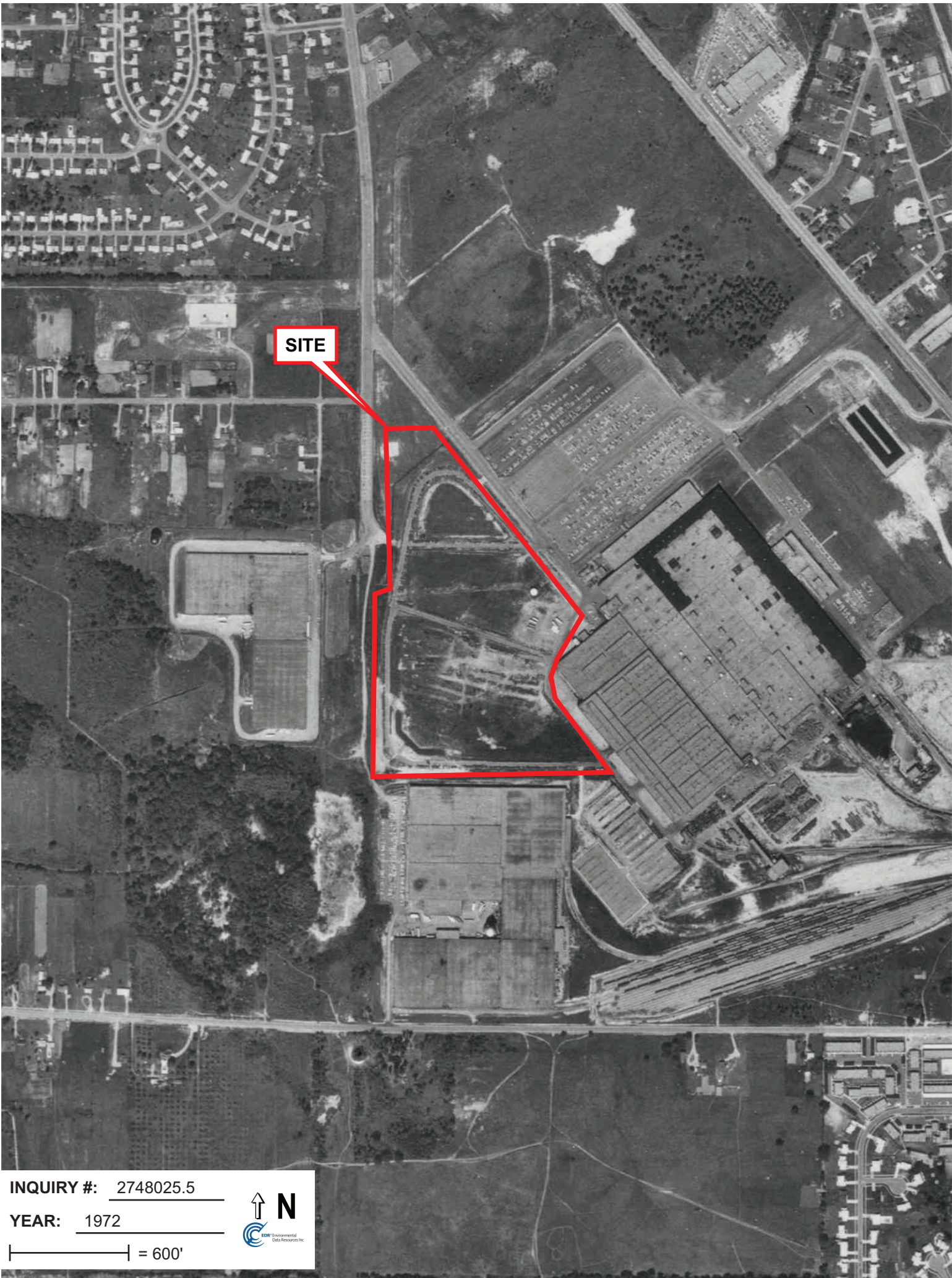
SITE

INQUIRY #: 2748025.5

YEAR: 1964

| = 500'





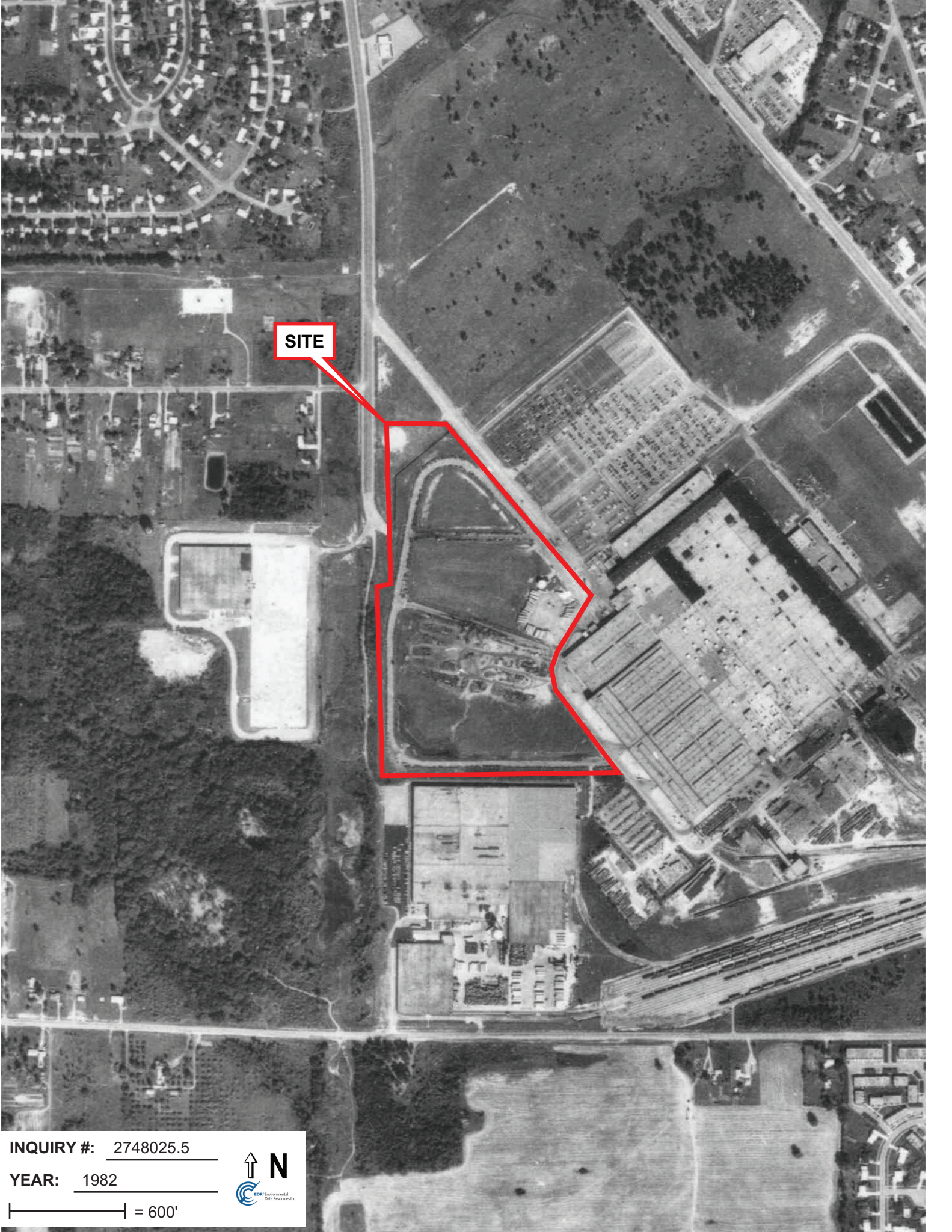
SITE

INQUIRY #: 2748025.5

YEAR: 1972

| = 600'





SITE

INQUIRY #: 2748025.5

YEAR: 1982

|—————| = 600'





INQUIRY #: 2748025.5

YEAR: 1992

| = unknown





SITE

INQUIRY #: 2748025.5

YEAR: 1997

| = unknown





SITE

INQUIRY #: 2748025.5

YEAR: 2005

| = 604'



Topographic Maps



Site #1269 - Dort Highway Land

10800 South Saginaw Street
Grand Blanc, MI 48439

Inquiry Number: 2748025.4
April 19, 2010

The EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

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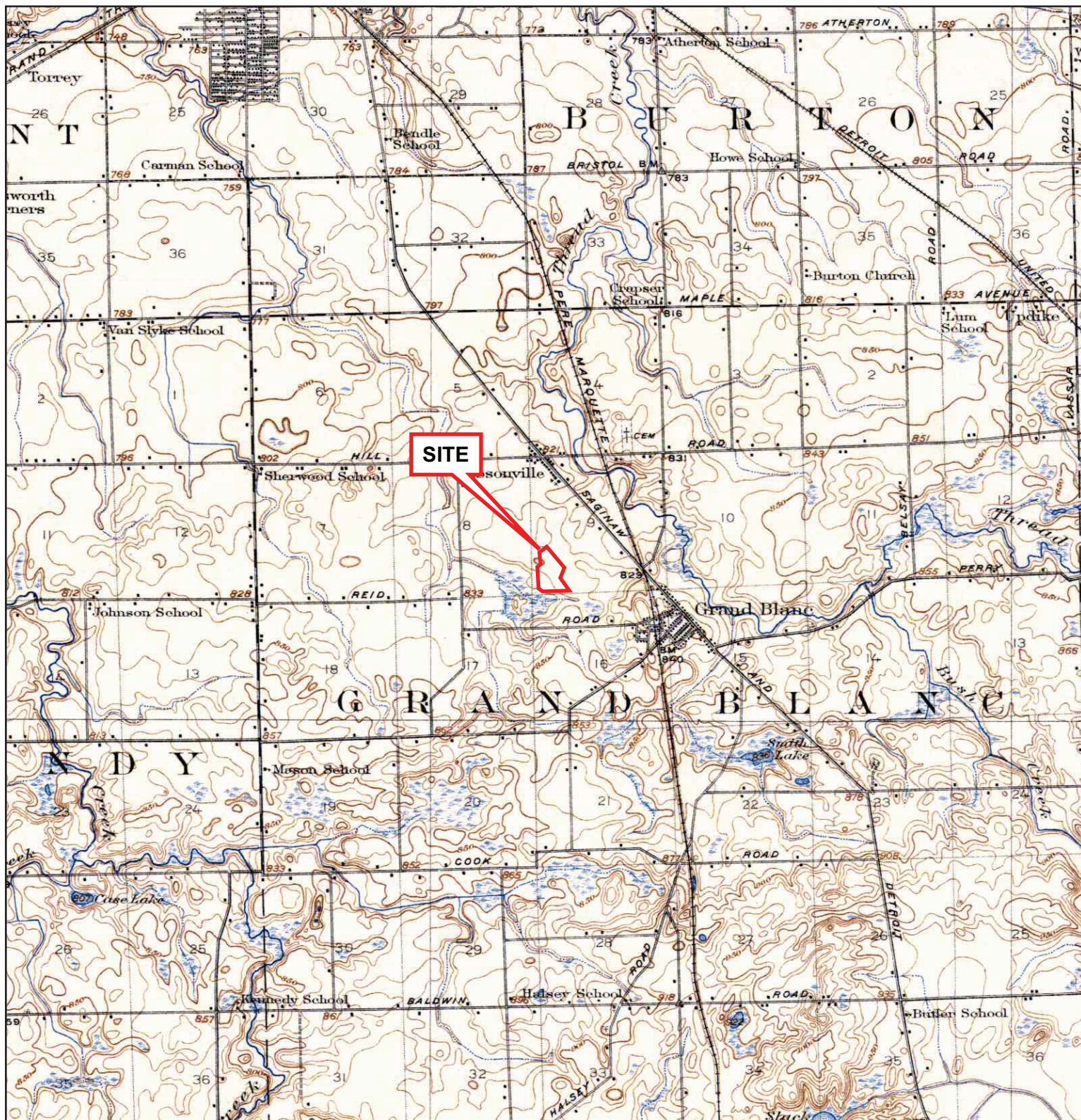
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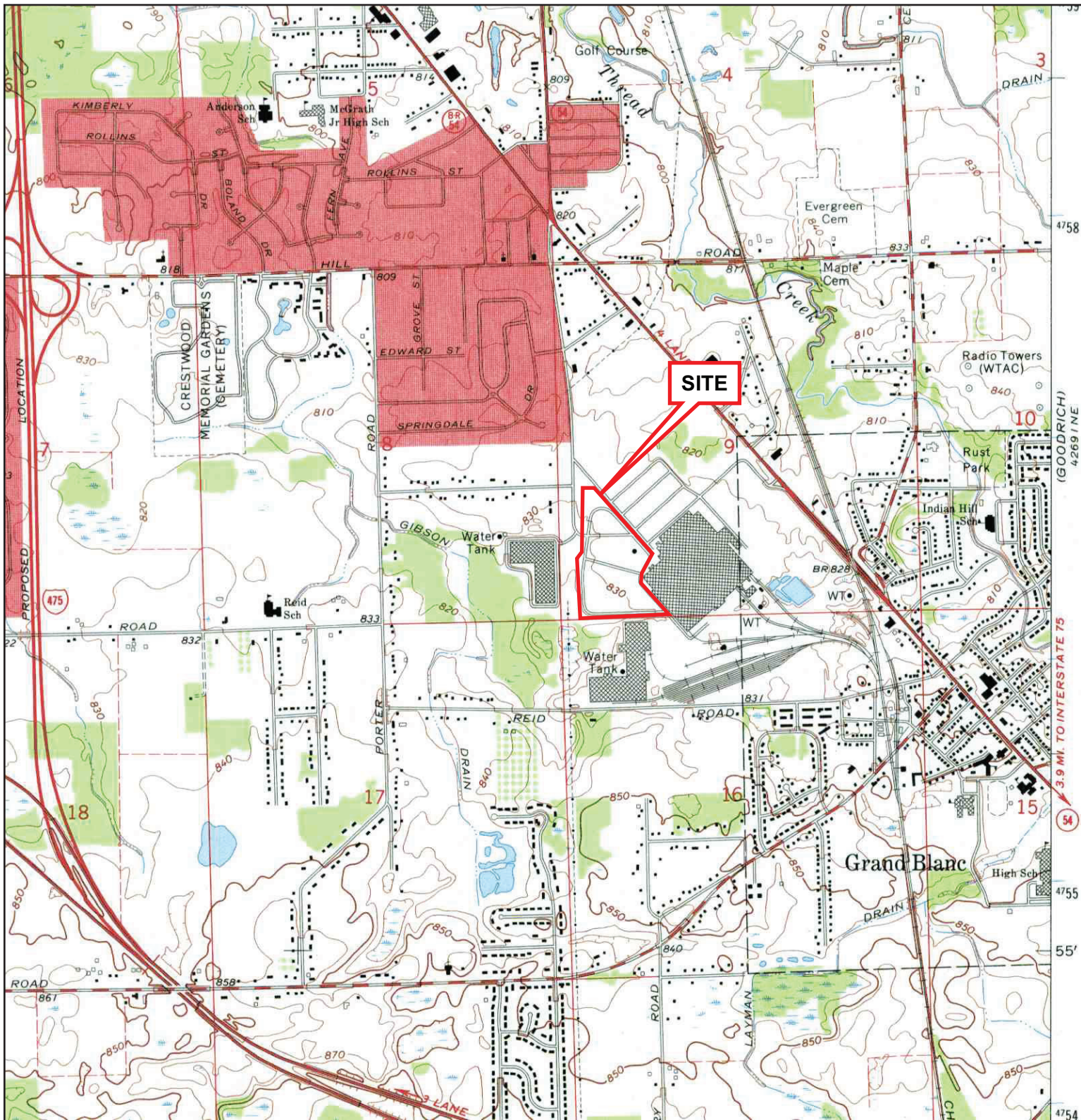
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Historical Topographic Map



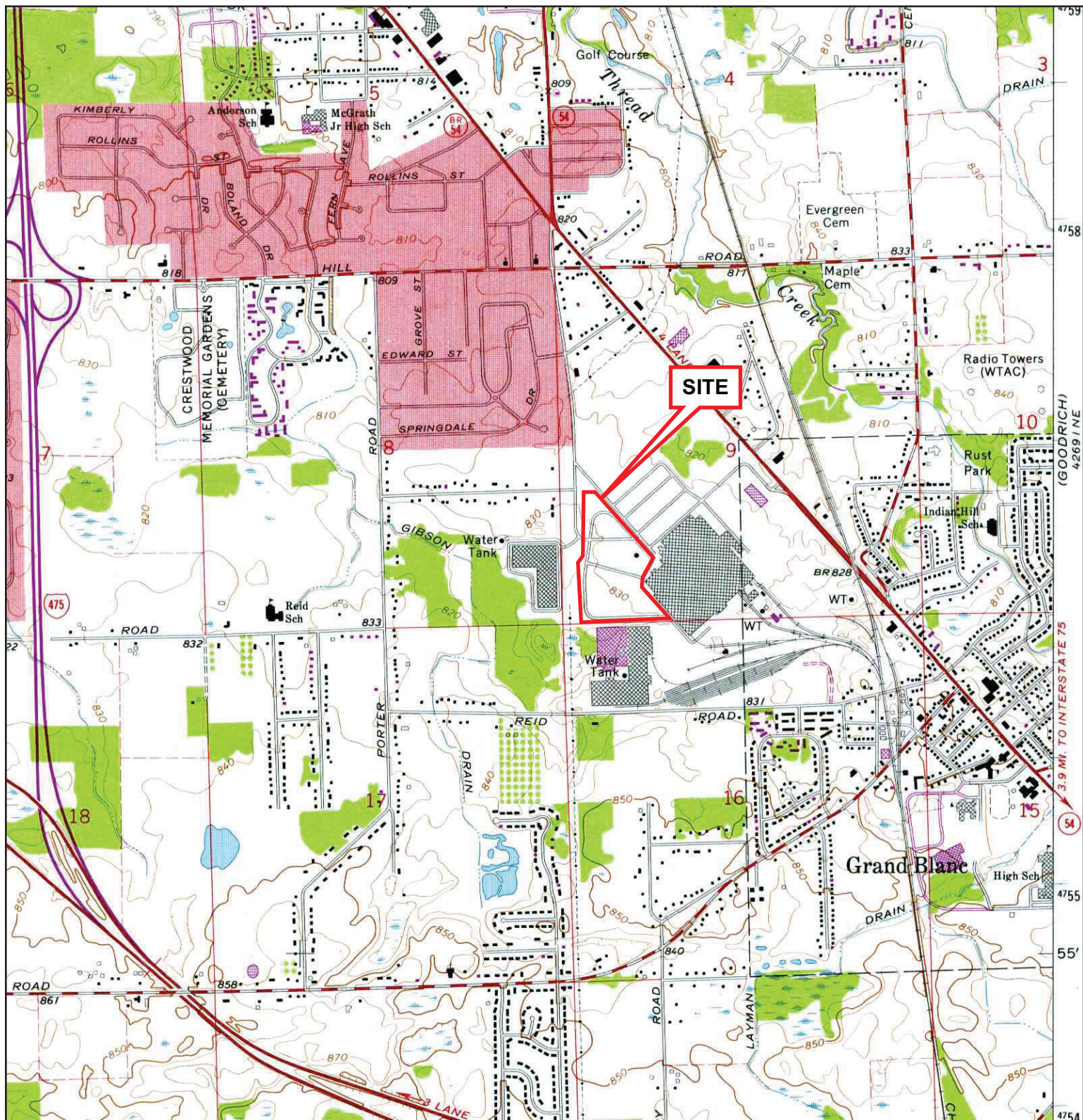
<p>N ↑</p>	<p>TARGET QUAD NAME: HOLLY MAP YEAR: 1922</p>	<p>SITE NAME: Site #1269 - Dort Highway Land ADDRESS: 10800 South Saginaw Street Grand Blanc, MI 48439 LAT/LONG: 42.9326 / 83.6495</p>	<p>CLIENT: O'Brien & Gere CONTACT: Alicia Casmer INQUIRY#: 2748025.4 RESEARCH DATE: 04/19/2010</p>
	<p>SERIES: 15 SCALE: 1:62500</p>		

Historical Topographic Map



	TARGET QUAD NAME: FLINT SOUTH MAP YEAR: 1969	SITE NAME: Site #1269 - Dort Highway Land ADDRESS: 10800 South Saginaw Street Grand Blanc, MI 48439 LAT/LONG: 42.9326 / 83.6495	CLIENT: O'Brien & Gere CONTACT: Alicia Casmer INQUIRY#: 2748025.4 RESEARCH DATE: 04/19/2010
	SERIES: 7.5 SCALE: 1:24000		

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME:	Site #1269 - Dort Highway Land	CLIENT:	O'Brien & Gere
	NAME: FLINT SOUTH	ADDRESS:	10800 South Saginaw Street	CONTACT:	Alicia Casmer
	MAP YEAR: 1975		Grand Blanc, MI 48439	INQUIRY#:	2748025.4
	PHOTOREVISED FROM: 1969	LAT/LONG:	42.9326 / 83.6495	RESEARCH DATE:	04/19/2010
	SERIES: 7.5				
	SCALE: 1:24000				

City Directory Abstract

Site #1269 - Dort Highway Land

10800 South Saginaw Street
Grand Blanc, MI 48439

Inquiry Number: 2748025.6
April 21, 2010

The EDR-City Directory Abstract

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

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2009 Enhancements to EDR City Directory Abstract

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

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

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

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

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

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

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

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

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2009	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	-
1989	Polk's City Directory	X	X	X	-
1984	Polk's City Directory	X	X	X	-
1979	Polk's City Directory	X	X	X	-
1974	Polk's City Directory	X	X	X	-
1969	Polk's City Directory	X	X	X	-
1963	Polk's City Directory	-	X	X	-
1959	Polk's City Directory	-	X	X	-
1957	Polk's City Directory	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

10800 South Saginaw Street
Grand Blanc, MI 48439

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	General Motors Weld Tool Ctr. (welding assemblies & stamping)	Polk's City Directory
	Hubbard Supply (genl. merchandise retail)	Polk's City Directory
	Shively Brothers, Inc. (nonclassified)	Polk's City Directory
	Tri Pointe Community Credit Union	Polk's City Directory
2004	GM Corp. Metal Fabricating Div. (auto mfrs.)	Polk's City Directory
2000	Electronic Data Systems Corp. (data proc.)	Polk's City Directory
	Metal Fabricating Div. (mtr. vehicle car body)	Polk's City Directory
1995	Cadillac Motor Car Div. Metal Fab. Operations (auto body mfrs.)	Polk's City Directory
1989	Cadillac Motor Car Div. Metal Fab. Operations (auto body mfrs.)	Polk's City Directory
1984	Fisher Body Div. General Motors Corp. (auto body mfrs.)	Polk's City Directory
1979	Fisher Body Div. General Motors Corp. (auto body mfrs.)	Polk's City Directory
1974	Fisher Body Div. General Motors Corp. (auto body mfrs.)	Polk's City Directory
1969	General Motors Corp. Fisher Div. (auto body mfrs.)	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.

South Saginaw Street

10720 South Saginaw Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	General Motors Corp. Fisher Body Div. (auto body mfrs.)	Polk's City Directory
1959	Fisher Body Div. Grand Blanc Plant	Polk's City Directory

10761 South Saginaw Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Deer Park Church of the Nazarene	Polk's City Directory
	Kane Dental Lab, Inc.	Polk's City Directory
	Vigiletti Chowning Edgar (lawyers)	Polk's City Directory
	Wildwind Community Church	Polk's City Directory
2004	Office Building (6 occupants)	Polk's City Directory
2000	Office Building (5 occupants)	Polk's City Directory
1995	Century Engineering & Design, Inc.	Polk's City Directory
	Century Temporary Services, Inc.	Polk's City Directory
1989	Century Engineering & Design, Inc.	Polk's City Directory
	The Americad Group	Polk's City Directory
	Three P M-Mc Kesson (data processing)	Polk's City Directory

10775 South Saginaw Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Office Building (5 occupants)	Polk's City Directory
2004	Office Building (7 occupants)	Polk's City Directory
2000	Anthony P. Mainprize (legal svcs.)	Polk's City Directory
	Houska Industries (data proc.)	Polk's City Directory
	The Williams Firm (legal svcs.)	Polk's City Directory
	Watson Group Financial Corp.	Polk's City Directory
1995	Houska Industries (data processing)	Polk's City Directory
	Larry C. Jones (cpa)	Polk's City Directory
	Selley & Associates (cpa's)	Polk's City Directory

FINDINGS

10785 South Saginaw Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Office Building (5 occupants)	Polk's City Directory
2004	Genesee CNA Academy (schools)	Polk's City Directory
	Integrated Medical Service (clinics)	Polk's City Directory
	Westec Security (security control sys.)	Polk's City Directory
2000	Office Building (6 occupants)	Polk's City Directory
1995	Office Building (5 occupants)	Polk's City Directory

10801 South Saginaw Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Office Building (8 occupants)	Polk's City Directory
2004	CES, Inc. (employment agency)	Polk's City Directory
	Quality Industrial Service (business serv.)	Polk's City Directory
	Varilease (lease serv.)	Polk's City Directory
2000	Office Building (7 occupants)	Polk's City Directory
1995	Office Building (6 occupants)	Polk's City Directory
1989	Gerald & Paul Toplinski (acct.)	Polk's City Directory
	Grand Blanc News	Polk's City Directory

10809 South Saginaw Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Advanced Physical Therapy	Polk's City Directory
2004	Advanced Physical Therapy	Polk's City Directory
2000	Ethan Allen Home Interiors (furniture store)	Polk's City Directory
1989	Concord Manor an Ethan Allen Gallery (furn.)	Polk's City Directory
1984	Concord Manor an Ethan Allen Gallery (furn.)	Polk's City Directory
1979	Concord Manor (furniture)	Polk's City Directory
1974	Colonialage Furniture	Polk's City Directory
1969	Colonialage Furniture	Polk's City Directory

10811 South Saginaw Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Rooster's of Grand Blanc (barbers)	Polk's City Directory

FINDINGS

TARGET PROPERTY: ADDRESS NOT LISTED IN RESEARCH SOURCE

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

Address Researched

10800 South Saginaw Street

Address Not Listed in Research Source

1963, 1959, 1957

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

10720 South Saginaw Street

Address Not Listed in Research Source

1957

10761 South Saginaw Street

1984, 1979, 1974, 1969, 1963, 1959, 1957

10775 South Saginaw Street

1989, 1984, 1979, 1974, 1969, 1963, 1959, 1957

10785 South Saginaw Street

1989, 1984, 1979, 1974, 1969, 1963, 1959, 1957

10801 South Saginaw Street

1984, 1979, 1974, 1969, 1963, 1959, 1957

10809 South Saginaw Street

1995, 1963, 1959, 1957

10811 South Saginaw Street

2004, 2000, 1995, 1989, 1984, 1979, 1974, 1969, 1963, 1959, 1957

*The EDR Property Tax Map
Report*

Site #1269 - Dort Highway Land

10800 South Saginaw Street
Grand Blanc, MI 48439

Inquiry Number: 2748025.8
April 19, 2010

The EDR Property Tax Map Report

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

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

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*The EDR Environmental
LienSearch™ Report*

Site Name: 1269- Dort Dighway Land

Inquiry Number: 2748025.7
04/30/2010

The EDR Environmental LienSearch™ Report



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

EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

1269- DORT HIGHWAY LAND
10800 S SAGINAW ST
GRAND BLANC, MI 48439-8120

RESEARCH SOURCE

Source 1: Genesee County

PROPERTY INFORMATION

Deed 1:

Type of Deed: Covenant Deed
Title is vested in: Grand/Sakwa of Grand Blanc, LLC, a Michigan Limited Liability Company
Deed Dated: 06/15/2004
Deed Recorded: 01/26/2005
Instrument: 200501260009155

Legal Description: SITUATE IN THE TOWNSHIP OF GRAND BLANC, GENESEE COUNTY, STATE OF MICHIGAN. BEING MORE FULLY DESCRIBED IN INSTRUMENT NO. 200501260009155, IN THE DEED RECORDS OF GENESEE COUNTY, MICHIGAN.

Legal Current Owner: Grand/Sakwa of Grand Blanc, LLC

Property Identifiers: 12-09-300-004

EDR Environmental LienSearch™ Report

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found Not Found

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

Instr: 20050126000155 01/26/2005
P: 1 of 5 F: \$26.00 1:38PM
Melvin Phillip McCree T20050002839
Genesee County Register ENV

mc 1-18-05
I hereby certify, based upon the records in my office, that there are no tax liens or titles held by the state, or by any individual, against the within description, and that all taxes due thereon have been paid for the 5 years next preceding the date of this instrument.

Daniel T. Kelden

Instr: 200407220078685 07/22/2004
P: 1 of 5 F: \$26.00 2:31PM
Melvin Phillip McCree T20040028207
Genesee County Register M.COMMONWE

mc 7-19-04
I hereby certify, based upon the records in my office, that there are no tax liens or titles held by the state, or by any individual, against the within description, and that all taxes due thereon have been paid for the 5 years next preceding the date of this instrument.

Daniel T. Kelden

COVENANT DEED

KNOW ALL PERSONS BY THESE PRESENTS: That GENERAL MOTORS CORPORATION, a Delaware corporation ("Grantor"), whose address is 200 Renaissance Center, Mail Code 482-B38-C96, Detroit, Michigan 48265, Conveys and Warrants to GRAND/SAKWA OF GRAND BLANC, L.L.C., a Michigan limited liability company ("Grantee"), whose address is 28470 Thirteen Mile Road - Suite 220, Farmington Hills, Michigan 48334, the following described premises (the "Real Property") situated in the Township of Grand Blanc, Genesee County, State of Michigan, to wit:

See Exhibit A attached hereto

for the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the said conveyance being dated and duly signed, sealed and acknowledged by the Grantor, shall be deemed and held to be a conveyance in fee simple to the Grantee, its successors and assigns. The Grantor has not heretofore done, committed, or wittingly or unwittingly suffered to be done or committed any act, matter or thing whatsoever, whereby the real property hereby granted or any part thereof is, or shall or may be, charged or encumbered in title, estate or otherwise howsoever, except as may be herein stated. The Grantor covenants to and agrees with Grantee, that the Grantor will warrant and defend the property conveyed unto the Grantee, its successors and assigns, forever, against the lawful claims and demands of all persons claiming by, from, or under the Grantor, but against no other claims or persons.

The Grantor grants to the Grantee the right to make all available divisions under Section 108 of the Land Division Act, Act No. 288 of the Public Acts of 1997. The premises conveyed hereunder may be located within the vicinity of farmland or a farm operation. Generally accepted agricultural and management practices which may generate noise, dust, odors and other associated conditions may be used and are protected by the Michigan right to Farm Act.

Title to the Real Property shall be subject to the following restrictive covenants:

- (a) Grantee shall not "treat," "store" or "dispose" of any "hazardous substances," "hazardous wastes" or "toxic substances" as those terms are defined under CERCLA, 42 U.S.C. 9601 et. seq., RCRA, 42 U.S.C. 6901 et. seq., or TSCA, 15 U.S.C. 2601 et. seq., or under similar Michigan law, on, at or below the Real Property, and shall maintain generator-only status; provided, however, that Grantee may: (i) accumulate such substances or wastes as allowed under applicable laws and regulations for off-site treatment, off-site storage, or off-site disposal, and (ii) use and store commercial products on-site which may contain such substances.
- (b) (i) Except as expressly otherwise provided in subsection (b)(ii) below, the Real Property shall only be used for industrial use and the following commercial uses: those commercial uses specified in subcategories II, III, and IV as defined in the Natural

10-094862

Being re-recorded to correct the Roadway Easement Agreement legal description

5

2600

Commonwealth Land Title Insurance Company
1900 Wilshire Dr. Ste 305
Troy, MI 48084

5/4

Resources and Environmental Protection Act of 1994 (Act 451), Part 201 Administrative Rules, most recently amended December 20, 2002. Any site modifications required at, in, on, or below the Real Property to accommodate such uses are solely the obligation and liability of Grantee (or the owner of the Real Property at the time of such activities) and will be conducted at Grantee's sole expense.

(ii) The Real Property may be used for residential uses only upon satisfaction of the following terms and conditions. Prior to any such change in use, Grantee shall conduct an appropriate investigation of the Real Property consistent with American Standard for Testing Materials ("ASTM") standards (or other similar industry standard which is generally recognized and accepted at the time of the investigation) for a Phase I site assessment to determine whether the environmental condition of the Real Property meets applicable regulatory cleanup criteria or standards for the proposed residential use. If recognized environmental conditions are identified in the Phase I site assessment, a Phase II site assessment shall be conducted by Grantee to determine whether the environmental condition of the Real Property meets applicable regulatory cleanup criteria or standards for the proposed residential use. If such Phase I and/or Phase II environmental site assessments disclose conditions which do not meet regulatory cleanup criteria or standards for the proposed residential use, Grantee will be solely responsible and liable for conducting cleanup or remediation at or of the Real Property required or necessary to achieve such applicable cleanup criteria or standards for the proposed residential use prior to conducting such proposed residential use. Grantee shall provide GM with copies of the reports of any Phase I and/or Phase II site assessments conducted at the Real Property and any reports detailing cleanup or remediation conducted by Grantee at the Real Property, if required, to meet applicable regulatory cleanup criteria or standards for the proposed residential use. Grantor will waive the provisions of this subsection (b)(ii) and will record such waiver if Grantor is reasonably satisfied that Grantee has met its obligations under this subsection (b)(ii).

- (c) Use of groundwater at, in, or under the Real Property by any person or entity for any purpose, including potable and non-potable uses, is prohibited.
- (d) Grantee or any subsequent owner of the Real Property shall be solely responsible for the proper maintenance of the Real Property, including: (1) any and all current or future structures, utilities, sewer lines, facilities, parking lots and storage areas, and (2) any maintenance issues related to any future use, development, excavation, demolition, or construction activities at the Real Property.
- (e) Any and all soil and/or debris management and surface water and/or groundwater management required or necessary because of excavation, demolition, or soil disturbance related to future use, development, excavation, demolition, or construction at or of the Real Property, is solely the obligation and liability of Grantee or the owner of the Real Property at the time of such activities. Such soil and/or debris management and surface water and/or groundwater management may include in-place management, excavation, sediment and erosion control, and disposal or other soil and debris management options which are allowed or required under applicable federal, state, or local environmental laws, regulations, or ordinances, including, but not limited to, the requirements, if any, imposed upon Grantee under Michigan Public Act 451, Part 201, including, but not limited to any due care requirements which may be imposed because of the presence of residual contamination which exceeds the Michigan generic criteria for unrestricted use for soil and groundwater.

1#00678496.5 07138-0

Instr: 20050126000105 01/26/2005
P: 2 of 5 F: \$26.00 1:38PM
Melvin Phillip McCree T20050002639
Genesee County Register ENV

Instr: 20040722057669 07/22/2004
P: 2 of 5 F: \$26.00 2:31PM
Melvin Phillip McCree T20040026207
Genesee County Register MLCOMMONWE

Instr: 200501200009155 01/26/2005
P: 4 of 5 F: \$26.00 1:38PM
Melvin Phillip McGree T20050002039
Genesee County Register ENW

EXHIBIT A

LEGAL DESCRIPTION

Land in the Township of Grand Blanc, County of Genesee, State of Michigan, described as:

Part of Section 9, Town 6 North, Range 7 East, Township of Grand Blanc, Genesee County, Michigan, described as follows: Beginning at a point on the East and West 1/4 line, which is North 88 degrees 58 minutes 16 seconds East, 296.00 feet from the West 1/4 corner of said Section 9; thence North 00 degrees 59 minutes 34 seconds West along the East right-of-way line of Dort Highway Extension, 627.13 feet to the Southeasterly line of Consumers Energy Company property; thence Northeasterly along said Southeasterly line, North 24 degrees 45 minutes 07 seconds East, 243.89 feet AND North 49 degrees 11 minutes 44 seconds East, 1186.67 feet to the Southwesterly line of Saginaw Road; thence South 40 degrees 55 minutes 25 seconds East along said Southwesterly line, 2093.21 feet; thence South 88 degrees 56 minutes 16 seconds West, 4.02 feet; thence South 01 degrees 01 minutes 44 seconds West, 354.11; thence South 49 degrees 09 minutes 08 seconds West, 409.24 feet; thence South 38 degrees 08 minutes 45 seconds East, 20.25 feet; thence South 49 degrees 26 minutes 33 seconds West, 105.46 feet; thence on a curve to the right, having a radius of 200.00 feet, with a chord bearing and distance of South 71 degrees 51 minutes 13 seconds West, 152.50 feet; thence on a curve to the right, having a radius of 300.00 feet, with a chord bearing and distance of North 69 degrees 51 minutes 18 seconds West, 164.18 feet; thence North 53 degrees 58 minutes 29 seconds West, 105.44 feet; thence North 48 degrees 17 minutes 30 seconds East, 26.50 feet; thence North 42 degrees 40 minutes 11 seconds West, 20.97 feet; thence South 48 degrees 37 minutes 35 seconds West, 26.06 feet; thence North 40 degrees 54 minutes 28 seconds West, 501.10 feet; thence South 49 degrees 07 minutes 41 seconds West, 999.97 feet; thence North 40 degrees 50 minutes 37 seconds West, 258.51 feet; thence on a curve to the left, having a radius of 503.00 feet, with a chord bearing and distance of North 76 degrees 53 minutes 29 seconds West, 245.10 feet; thence on a curve to the right, having a radius of 85.00 feet, with a chord bearing and distance of North 45 degrees 59 minutes 34 seconds West, 120.21 feet to said East right of way line of Dort Highway Extension; thence North 00 degrees 59 minutes 34 seconds West, along said East line, 518.05 feet to the Place of Beginning.

Together with the following Access Easement Agreement For Ingress and Egress from Dort Highway:

Part of Section 9, Town 6 North, Range 7 East, Township of Grand Blanc, Genesee County, Michigan, described as follows:

Beginning at a point on the East Right-of-Way line of Dort Highway Extension which is North 88 degrees 58 minutes 16 seconds East, 296.00 feet and South 00 degrees 59 minutes 34 seconds East, 518.05 feet from the West 1/4 corner of said Section 9; thence on a curve to the left, having a radius of 85.00 feet, with a chord bearing and distance of South 45 degrees 59 minutes 34 seconds East, 120.21 feet; thence on a curve to the right, having a radius of 503.00 feet, with a chord bearing and distance of South 76 degrees 53 minutes 29 seconds East, 245.10 feet; thence South 40 degrees 50 minutes 37 seconds East, 258.51 feet; thence South 49 degrees 07 minutes 41 seconds West, 74.55 feet; thence North 40 degrees 50 minutes 37 seconds West, 70.56 feet; thence on a curve to the left, having a radius of 392.00 feet, with a chord bearing and distance of North 65 degrees 55 minutes 05 seconds West, 332.26 feet; thence on a curve to the left, having a radius of 85.00 feet, with a chord bearing and distance of South 44 degrees 00 minutes 26 seconds West, 120.21 feet to the said East Right-of-Way line of Dort Highway Extension; thence North 00 degrees 59 minutes 34 seconds West, along said East line, 281.00 feet to the Place of Beginning.

Together with a permanent Roadway Easement Agreement described more fully as:

Part of the Southeast 1/4 of Section 9, T6N-R7E, City of Grand Blanc, Genesee County, Michigan, described as follows: Beginning at the interior 1/4 corner of said Section 9; thence N 88 degrees 58' 16" E 4.02 feet to the Southwesterly right-of-way line of Saginaw Road, so-called; thence S 40 degrees 55' 25" E, along said right-of-way line 269.41 feet; thence S 49 degrees 09' 08" W 230.19 feet to the place of beginning, containing 0.73 net acres of land, more or less, and being subject to any recorded or unrecorded easements of benefit or burden.

Tax I.D. Part of 12-09-300-003

* to the North and South 1/4 line of said section;
thence N 01 degrees 01' 44" W 354.11 feet


Instr: 200407220078895 07/22/2004
P: 4 of 5 F: \$26.00 2:31PM
Melvin Phillip McGree T20040026287
Genesee County Register MLCORPORATE

EXHIBIT B

PERMITTED EXCEPTIONS

1. Easement granted to Consumers Power Company recorded in Deed Liber 728, Page 296 and Deed Liber 1657, Page 426, Genesee County Records.
2. Easement granted to Michigan State Highway Commission recorded in Deed Liber 1980, Page 44 and Deed Liber 838, Page 515, Genesee County Records.
3. Affidavit and Notice of Location Panhandle Eastern Pipe Line Company Facilities, as contained in Deed Liber 2470, Page 104, Genesee County Records.
4. Deed recorded in Liber 519, Page 388, Genesee County Records.
5. Rights of the public and of any governmental unit in any part thereof taken, used or deeded for street, road or highway purposes.
6. Rights of others over subject property lying within waters of the branch of Thread Creek as shown on county tax maps.
7. Any provision contained in any instruments of record which provisions pertain to the transfer of divisions under Section 109(3) of the Subdivision Control Act of 1967, as amended.
8. Terms, conditions and provisions which are recited in Access Easement Agreement (Raceway) for Ingress and Egress from Dort Highway recorded in Instrument No. _____, Genesee County Records.
9. Snow Storage Easement and the terms, conditions and provisions which are recited in easement agreement thereof recorded in Instrument No. _____, Genesee County Records.
10. Terms, conditions and provisions which are recited in Sewer Easement Agreement recorded in Instrument No. _____, Genesee County Records.
11. Terms, conditions and provisions which are recited in Drainage Easement Agreement recorded in Instrument No. _____, Genesee County Records.


Instr: 200501260009155 01/26/2005
P: 5 of 5 F: \$25.00 1:30PM
Melvin Phillip McGree T20050002039
Genesee County Register ENV


Instr: 200407220076005 07/22/2004
P: 5 of 5 F: \$25.00 2:31PM
Melvin Phillip McGree T20040020207
Genesee County Register MLCOMMONWE

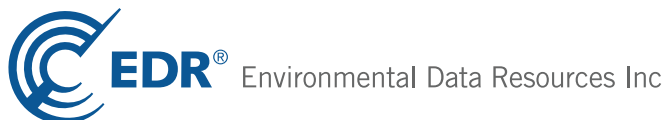
*EDR Environmental
Database Report*

Site #1269 - Dort Highway Land

10800 South Saginaw Street
Grand Blanc, MI 48439

Inquiry Number: 2748025.2s
April 19, 2010

The EDR Radius Map™ Report with GeoCheck®



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

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

10800 SOUTH SAGINAW STREET
GRAND BLANC, MI 48439

COORDINATES

Latitude (North): 42.932600 - 42° 55' 57.4"
Longitude (West): 83.649500 - 83° 38' 58.2"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 283796.0
UTM Y (Meters): 4756521.5
Elevation: 832 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-H6 FLINT SOUTH, MI
Most Recent Revision: 1975

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2006
Source: USDA

TARGET PROPERTY SEARCH RESULTS

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

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
GM-MFD-GRAND BLANC PLANT 10800 SOUTH SAGINAW STREET GRAND BLANC, MI 48439	NPDES	N/A
10800 S. SAGINAW ST. 10800 S. SAGINAW ST. GRAMBLING, MI 48439	ERNS	N/A
10800 SOUTH SAGINAW ST 10800 SOUTH SAGINAW ST GRAND BLANC, MI 48439	ERNS	N/A
GENERAL MOTORS COMPANY 10800 S SAGINAW ST GRAND BLANC, MI 48439	RCRA-SQG	MIK882123342

EXECUTIVE SUMMARY

GENERAL MOTORS CORPORATION 10800 S SAGINAW ST GRAND BLANC, MI 48439	RCRA-SQG PADS FINDS LUST Facility Status: Closed Facility Status: Closed <i>*Additional key fields are available in the Map Findings section</i> UST MANIFEST	MID005356944
GMC, FISHER BODY 10800 S SAGINAW ST. GRAND BLANC, MI 48439	AIRS	N/A
CSX TRANSPORTATION INC 10800 S SAGINAW GRAND BLANC, MI 48439	RCRA-CESQG	MIK882475114
CSX TRANSPORTATION INC 10800 S SAGINAW GRAND BLANC, MI 48439	FINDS	N/A
10800 S. SAGINAW ST. 10800 S. SAGINAW ST. GRAND BLANC, MI	SPILLS	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
 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

EXECUTIVE SUMMARY

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

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

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

State- and tribal - equivalent CERCLIS

SHWS..... Contaminated Sites

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

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

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

AST..... Aboveground Tanks

INDIAN UST..... Underground Storage Tanks on Indian Land

FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

AUL..... Engineering and Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

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

Local Land Records

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

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
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
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database
RAATS..... RCRA Administrative Action Tracking System
UIC..... Underground Injection Wells Database
DRYCLEANERS..... Drycleaning Establishments
BEA..... BASELINE ENVIRONMENTAL ASSESSMENT DATABASE
INDIAN RESERV..... Indian Reservations
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
COAL ASH..... Coal Ash Disposal Sites
COAL ASH DOE..... Sleam-Electric Plan Operation Data
FINANCIAL ASSURANCE..... Financial Assurance Information Listing

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

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 03/29/2010 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROSS PROPERTIES Facility Status: Closed	G-6434 S DORT HWY	S 0 - 1/8 (0.049 mi.)	B11	28
DENNIS NEHRO & PETER J KANAN Facility Status: Open	10009 S SAGINAW ST	NE 1/4 - 1/2 (0.396 mi.)	13	30
<i>RON-SLIVKA BUICK - GMC TRUCK</i> Facility Status: Closed Facility Status: Closed	<i>G-6201 S SAGINAW ST</i>	<i>NNE 1/4 - 1/2 (0.411 mi.)</i>	<i>14</i>	<i>30</i>
<i>AL SERRA CHEVROLET INC</i> Facility Status: Closed	<i>6167 S SAGINAW RD</i>	<i>NNE 1/4 - 1/2 (0.437 mi.)</i>	<i>15</i>	<i>32</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 03/29/2010 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROSS PROPERTIES	G-6434 S DORT HWY	S 0 - 1/8 (0.049 mi.)	B12	29

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: The database contains historical information and is no longer updated..

A review of the HIST LF list, as provided by EDR, and dated 03/01/1997 has revealed that there is 1 HIST LF site within approximately 0.5 miles of the target property.

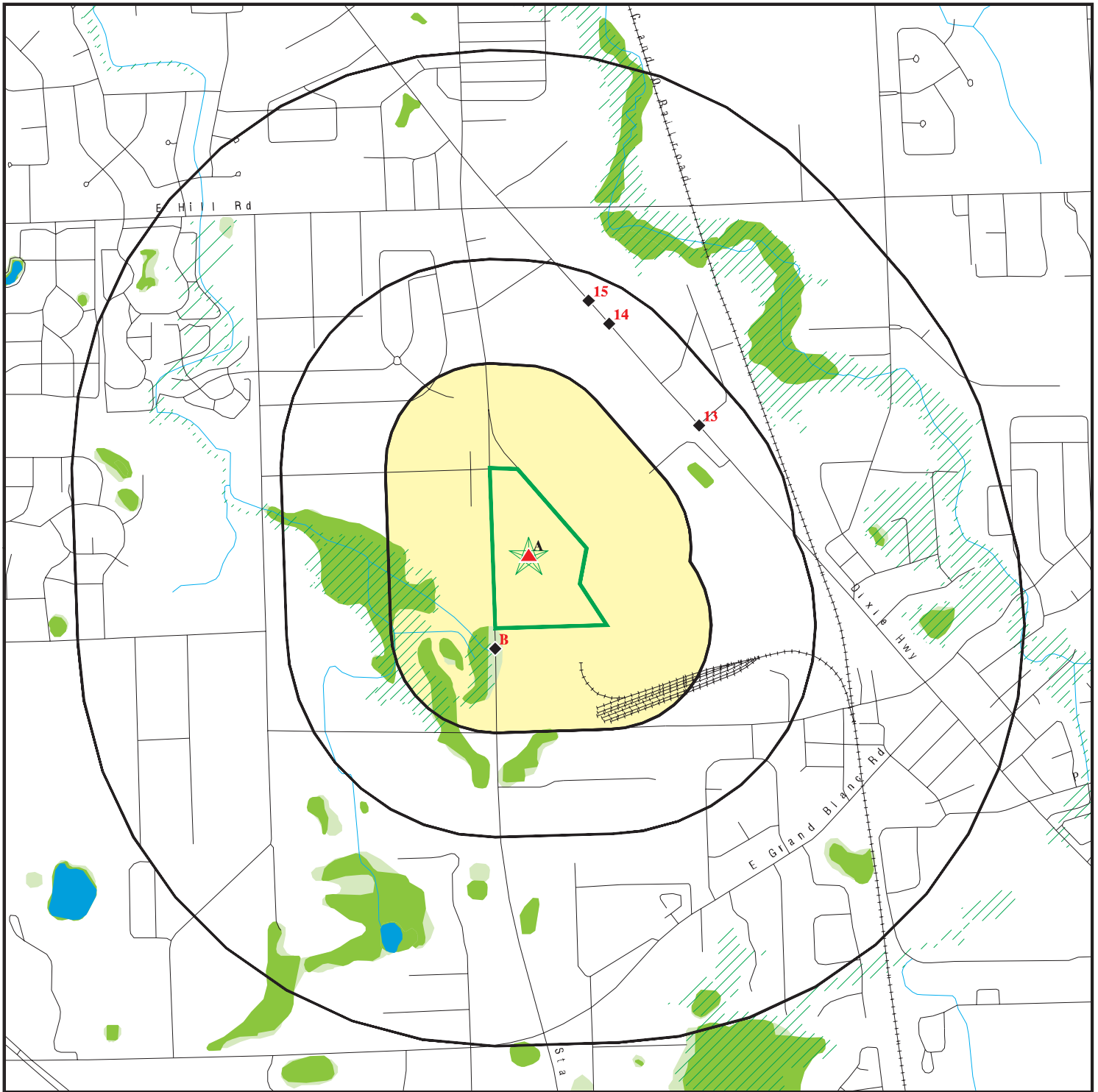
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GERALD D ROSS	6434 DORT HWY	S 0 - 1/8 (0.049 mi.)	B10	27













EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
SOUTHERN END OF HOLIDAY DRIVE	SHWS
PARCEL H-323 TORREY ROAD	SHWS
N SAGINAW AND CORNELIA	SHWS
DISCOUNT MUFFLER	LUST, UST
SAGINAW & CARPENTER SHELL	LUST, UST
GOVERNMENT CENTER	LUST, UST
CHARTER TWP OF GRAND BLANC	LUST, UST
ACTION AUTO STORES, INC #77	UST
FUELGAS	AST
ROSS PROPERTIES	RCRA-NonGen
1183 S SAGINAW	RCRA-NonGen
FREEDOM FABRICATING & DESIGN	RCRA-CESQG
D & N FOOD & GAS INC	RCRA-CESQG
542 S. SAGINAW STREET	US BROWNFIELDS
432 S. SAGINAW STREET	US BROWNFIELDS
420 S. SAGINAW STREET	US BROWNFIELDS
641/639 S. SAGINAW STREET	US BROWNFIELDS
506 S. SAGINAW STREET	US BROWNFIELDS
GRAND BLANC	SPILLS, BEA
SOUTH DORT HIGHWAY VACANT 22 ACRES	BEA
SAGINAW & PERRY ROADS, SOUTHEAST C	BEA
VANDERHORST PROPERTY	DEL SHWS

OVERVIEW MAP - 2748025.2s



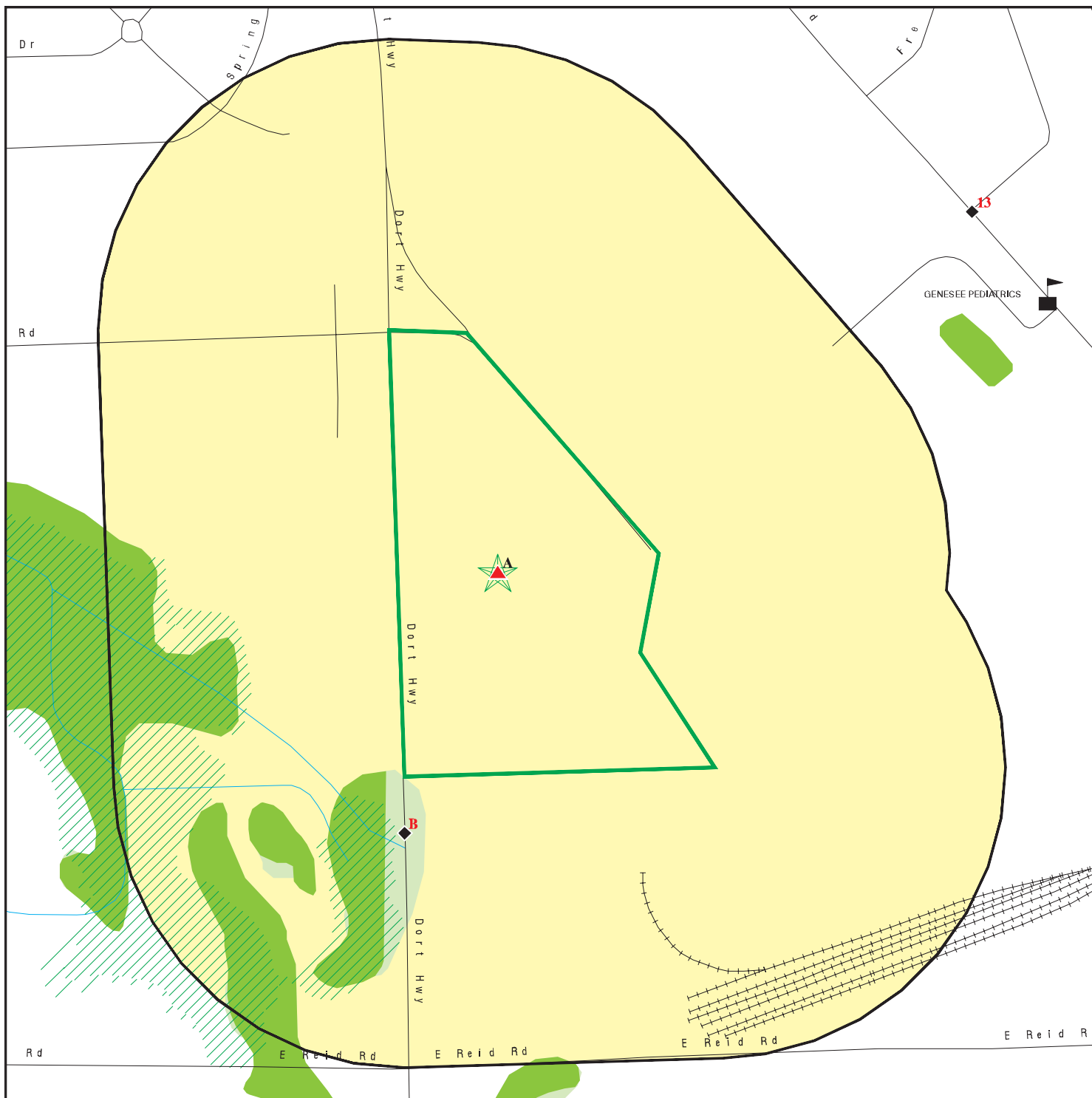
-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year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








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: Site #1269 - Dort Highway Land
 ADDRESS: 10800 South Saginaw Street
 Grand Blanc MI 48439
 LAT/LONG: 42.9326 / 83.6495

CLIENT: O'Brien & Gere
 CONTACT: Alicia Casmer
 INQUIRY #: 2748025.2s
 DATE: April 19, 2010 10:08 am

DETAIL MAP - 2748025.2s



-  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: Site #1269 - Dort Highway Land
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 LAT/LONG: 42.9326 / 83.6495

CLIENT: O'Brien & Gere
 CONTACT: Alicia Casmer
 INQUIRY #: 2748025.2s
 DATE: April 19, 2010 10:08 am

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	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG	X	0.250	0	0	NR	NR	NR	0
RCRA-CESQG	X	0.250	0	0	NR	NR	NR	0
<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	X	TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS		1.000	0	0	0	0	NR	0
<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	X	0.500	1	0	3	NR	NR	4
INDIAN LUST		0.500	0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST	X	0.250	1	0	NR	NR	NR	1

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	0	0	NR	NR	NR	0
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	0	NR	NR	0
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	0	0	NR	NR	0
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	1	0	0	NR	NR	1
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	X	TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
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	X	TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	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	X	TP	NR	NR	NR	NR	NR	0
AIRS	X	TP	NR	NR	NR	NR	NR	0
BEA		0.500	0	0	0	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	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 **GM-MFD-GRAND BLANC PLANT**
Target **10800 SOUTH SAGINAW STREET**
Property **GRAND BLANC, MI 48439**

NPDES **S107792207**
N/A

Site 1 of 9 in cluster A

Actual:
832 ft.

MI NPDES:
Permit Number: MIS510328
Permittee PO Box: Y
Permittee Email: Not reported
Issue Date: 2/24/2005
Effective Date: 4/1/2005
Expiration Date: 4/1/2010
Permittee Name: General Motors Corporation
Permittee Address: 100 Renaissance Center
Permittee Addr2: PO Box 100
Permittee City,St,Zip: Detroit, MI 48265
Permit Type: COC
Facility Name 2: Not reported
Facility Name 3: Not reported
Facility Name 4: Not reported
Designed Name: GM-MFD-Grand Blanc Plant
Latitude: 42.9375
Lat Direction: N
Lat Type Code: LAT
Longitude: -83.64579999999994
Lon Direction: W
Lon Type Code: LON
Hydrologic Unit Code: 4080204

Permit Number: MIR111087
Permittee PO Box: N
Permittee Email: ken.gembel@gm.com
Issue Date: 5/7/2009
Effective Date: 5/7/2009
Expiration Date: 5/7/2014
Permittee Name: General Motors Corporation
Permittee Address: Mail Code 480-111-W60
Permittee Addr2: 30200 Mound Road
Permittee City,St,Zip: Warren, MI 48090
Permit Type: NOC
Facility Name 2: Not reported
Facility Name 3: Not reported
Facility Name 4: Not reported
Designed Name: GM-MFD-Grand Blanc Plant
Latitude: 42.9375
Lat Direction: N
Lat Type Code: LAT
Longitude: -83.64579999999994
Lon Direction: W
Lon Type Code: LON
Hydrologic Unit Code: 4080204

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

A2	10800 S. SAGINAW ST.	ERNS	2001555303
Target	10800 S. SAGINAW ST.		N/A
Property	GRAMBLING, MI 48439		

Site 2 of 9 in cluster A

Actual: 832 ft. [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A3	10800 SOUTH SAGINAW ST	ERNS	93323893
Target	10800 SOUTH SAGINAW ST		N/A
Property	GRAND BLANC, MI 48439		

Site 3 of 9 in cluster A

Actual: 832 ft. [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A4	GENERAL MOTORS COMPANY	RCRA-SQG	1012181218
Target	10800 S SAGINAW ST		MIK882123342
Property	GRAND BLANC, MI 48439		

Site 4 of 9 in cluster A

Actual: 832 ft.

RCRA-SQG:
 Date form received by agency: 10/05/2009
 Facility name: GENERAL MOTORS COMPANY
 Facility address: 10800 S SAGINAW ST
 GRAND BLANC, MI 48439
 EPA ID: MIK882123342
 Contact: JOHN MAKSIMCHUK III
 Contact address: 10800 S SAGINAW ST
 GRAND BLANC, MI 48439
 Contact country: Not reported
 Contact telephone: (989) 239-8200
 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 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:	MOTORS LIQUIDATION CO (PROPERTY)
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/10/2009
Owner/Op end date:	Not reported
Owner/operator name:	GENERAL MOTORS COMPANY
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS COMPANY (Continued)

1012181218

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/10/2009
Owner/Op end date: Not reported

Owner/operator name: MOTORS LIQUIDATION CO (PROPERTY)
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/10/2009
Owner/Op end date: Not reported

Owner/operator name: GENERAL MOTORS COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/10/2009
Owner/Op end date: Not reported

Handler Activities Summary:

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

Violation Status: No violations found

**A5
Target
Property**

**GENERAL MOTORS CORPORATION
10800 S SAGINAW ST
GRAND BLANC, MI 48439**

**RCRA-SQG 1000254412
PADS MID005356944
FINDS
LUST
UST
MANIFEST**

Site 5 of 9 in cluster A

**Actual:
832 ft.**

RCRA-SQG:
Date form received by agency: 10/05/2009
Facility name: GENERAL MOTORS CORPORATION
Facility address: 10800 S SAGINAW ST
GRAND BLANC, MI 48439

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

EPA ID: MID005356944
Contact: JOHN MAKSIMCHUK III
Contact address: 10800 S SAGINAW ST
GRAND BLANC, MI 48439
Contact country: Not reported
Contact telephone: (989) 239-8200
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: MOTORS LIQUIDATION CO (FKA GM 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: 07/10/2009
Owner/Op end date: Not reported

Owner/operator name: MOTORS LIQUIDATION CO (FKA GM CORP)
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/10/2009
Owner/Op end date: Not reported

Handler Activities Summary:

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

Historical Generators:

Date form received by agency: 08/31/2009

Facility name: GENERAL MOTORS CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 06/09/2009

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 07/20/2006

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 06/01/2006

Facility name: GENERAL MOTORS CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 03/13/2006

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 07/16/2002

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 12/01/2000

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 11/01/2000

Facility name: GENERAL MOTORS CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 05/14/1999

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 02/27/1998

Facility name: GENERAL MOTORS CORPORATION

Site name: METAL FABRICATION DIVISION, GMC

Classification: Large Quantity Generator

Date form received by agency: 02/16/1996

Facility name: GENERAL MOTORS CORPORATION

Site name: METAL FABRICATING DIV, GMC GRAND BLANC

Classification: Large Quantity Generator

Date form received by agency: 02/24/1994

Facility name: GENERAL MOTORS CORPORATION

Site name: GMC, CADILLAC-GRAND BLANC

Classification: Large Quantity Generator

Date form received by agency: 03/10/1992

Facility name: GENERAL MOTORS CORPORATION

Site name: CADILLAC MOTOR CAR DIV/GMC GRAND BLANC

Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

Date form received by agency: 03/30/1990
Facility name: GENERAL MOTORS CORPORATION
Site name: CADILLAC MOTOR CAR DIV. GMC GRAND BLANC
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Facility name: GENERAL MOTORS CORPORATION
Classification: Not a generator, verified

Date form received by agency: 08/15/1980
Facility name: GENERAL MOTORS CORPORATION
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/01/1995
Date achieved compliance: 06/20/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/08/1991
Date achieved compliance: 12/05/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/25/1988
Date achieved compliance: 08/29/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

Area of violation: Generators - General
Date violation determined: 04/09/1987
Date achieved compliance: 05/07/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/16/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 06/18/1996
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - General
Date achieved compliance: 06/20/1996
Evaluation lead agency: State

Evaluation date: 08/10/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/20/1996
Evaluation lead agency: State

Evaluation date: 02/05/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/12/1991
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/08/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/05/1991
Evaluation lead agency: State

Evaluation date: 10/03/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/1988
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/01/1988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/25/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/29/1988
Evaluation lead agency: State

Evaluation date: 05/07/1987
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/09/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/07/1987
Evaluation lead agency: State

Evaluation date: 04/17/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/18/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110000407444

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

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: 00014278
Source: STATE OF MICHIGAN
Owner Name: Cadillac Motors Car Div GMC
Owner Address: 10800 S Saginaw St
Owner City,St,Zip: Grand Blanc, MI 48439-8120
Owner Contact: Not reported
Owner Phone: (313) 234-1236
Country: USA
District: Lansing District Office
Site Name: GM - Cadillac Motor Car Division
Latitude: 42.9322850000
Longitude: -83.6361820000
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-0096-85
Release Date: Dec 20 1989
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Oct 3 1990

Leak Number: C-0751-89
Release Date: Oct 27 1989
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Sep 14 1995

Leak Number: C-0752-89
Release Date: Oct 27 1989
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Oct 3 1990

Leak Number: C-1179-89
Release Date: Dec 12 1989
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Jul 12 1996

Leak Number: C-2697-90

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

Release Date: Dec 13 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Jul 12 1996

UST:

Facility ID: 00014278
Facility Type: CLOSED
Latitude: 42.9322850000
Longitude: -83.6361820000
Owner Name: Cadillac Motors Car Div GMC
Owner Address: 10800 S Saginaw St
Owner City,St,Zip: Grand Blanc, MI 48439-8120
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 234-1236
Contact: KEITH J. WILSON
Contact Phone: (313) 234-1236
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: 500
Install Date: May 9 1955
Product: Diesel
Remove Date: Oct 14 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,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: 200
Install Date: May 9 1955
Product: Diesel
Remove Date: Oct 14 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 12000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

Install Date: May 8 1942
Product: NEW OIL
Remove Date: Dec 1 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,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: 12000
Install Date: May 8 1942
Product: Used Oil
Remove Date: Dec 1 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 12000
Install Date: May 8 1942
Product: Used Oil
Remove Date: Dec 1 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 30000
Install Date: May 8 1942
Product: Diesel
Remove Date: Dec 1 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: Removed from Ground
Capacity: 30000
Install Date: May 8 1942

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

Product: Used Oil
Remove Date: Dec 1 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 8
Tank Status: Removed from Ground
Capacity: 30000
Install Date: May 8 1942
Product: Used Oil
Remove Date: Dec 1 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 9
Tank Status: Removed from Ground
Capacity: 2000
Install Date: May 8 1942
Product: Gasoline
Remove Date: Dec 1 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 10
Tank Status: Removed from Ground
Capacity: 2000
Install Date: May 8 1942
Product: Gasoline
Remove Date: Dec 1 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 11
Tank Status: Removed from Ground
Capacity: 2000
Install Date: May 8 1980
Product: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

Remove Date: Oct 14 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 12
Tank Status: Removed from Ground
Capacity: 5000
Install Date: May 9 1971
Product: Used Oil
Remove Date: Aug 3 1988
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 13
Tank Status: Removed from Ground
Capacity: 5000
Install Date: May 9 1971
Product: Used Oil
Remove Date: Aug 3 1988
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 14
Tank Status: Removed from Ground
Capacity: 5000
Install Date: May 9 1971
Product: Used Oil
Remove Date: Aug 3 1988
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

NY MANIFEST:

EPA ID: MID005356944
Country: USA
Mailing Name: GENERAL MOTORS CORP
Mailing Contact: ELDON L HARDENBURG
Mailing Address: 10800 SOUTH SAGINAW STREET
Mailing Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

Mailing City: GRAND BLANC
Mailing State: MI
Mailing Zip: 48439
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 313-234-1228

Document ID: NYB9556695
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 08/27/2003
Trans1 Recv Date: 08/27/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/28/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID005356944
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: TLL3374OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 02005
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9570402
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 02/08/2005
Trans1 Recv Date: 02/08/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/09/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID005356944
Trans1 EPA ID: T117060TN
Trans2 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00660
Units:	P - Pounds
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
Document ID:	NYB9523278
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	05/15/2003
Trans1 Recv Date:	05/15/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/16/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID005356944
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	TML8564OH
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	01842
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	03
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

Document ID: NYG0047601
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC
Trans1 State ID: HQ89783OR
Trans2 State ID: Not reported
Generator Ship Date: 970813
Trans1 Recv Date: 970813
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970822
Part A Recv Date: 970916
Part B Recv Date: 970911
Generator EPA ID: MID005356944
Trans1 EPA ID: MOD095038998
Trans2 EPA ID: Not reported
TSDf ID: NYD049836679
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00165
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00853
Units: K - Kilograms (2.2 pounds)
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 97
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: NYB9570402
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 02/08/2005
Trans1 Recv Date: 02/08/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/09/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID005356944
Trans1 EPA ID: T117060TN
Trans2 EPA ID: Not reported
TSDf ID: NYD049836679

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000254412

Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00660
Units: P - Pounds
Number of Containers: 012
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 2005
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9523242
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 07/12/2002
Trans1 Recv Date: 07/12/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/15/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID005356944
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: PUR8994OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 02096
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 02
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A6
Target
Property

GMC, FISHER BODY
10800 S SAGINAW ST.
GRAND BLANC, MI 48439

AIRS **S107696849**
N/A

Site 6 of 9 in cluster A

Actual:
832 ft.

AIRS:
State Registration Number: B1610
Naics Code: Not reported
Contact Name: MR. J. D. GEORGE
Contact Phone: Not reported
Contact Address: GMC, FISHER BODY DIV.
Contact Address 2: 4300 S. SAGINAW ST.
Contact City,St,Zip: FLINT, MI 48557
Permit Number: 683-77
Date Received: 11/01/77
State Registration Number: B1610
Country: Not reported
Application Reason: EXHAUST FAN
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
EI Year: Not reported

A7
Target
Property

CSX TRANSPORTATION INC
10800 S SAGINAW
GRAND BLANC, MI 48439

RCRA-CESQG **1007880659**
MIK882475114

Site 7 of 9 in cluster A

Actual:
832 ft.

RCRA-CESQG:
Date form received by agency: 08/10/2004
Facility name: CSX TRANSPORTATION INC
Facility address: 10800 S SAGINAW
GRAND BLANC, MI 48439
EPA ID: MIK882475114
Mailing address: 500 W WATER ST
JACKENSVLLE, FL 32202
Contact: CARL GERHARDSTEIN
Contact address: 10800 S SAGINAW
GRAND BLANC, MI 48439
Contact country: Not reported
Contact telephone: (904) 366-4303
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CSX TRANSPORTATION INC (Continued)

1007880659

the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: CSX TRANSPORTATION INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1900
Owner/Op end date: Not reported

Owner/operator name: CSX TRANSPORTATION INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1900
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: 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

CSX TRANSPORTATION INC (Continued)

1007880659

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

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

Historical Generators:

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

Violation Status: No violations found

**A8
Target
Property**

**CSX TRANSPORTATION INC
10800 S SAGINAW
GRAND BLANC, MI 48439**

**FINDS 1007737100
N/A**

Site 8 of 9 in cluster A

**Actual:
832 ft.**

FINDS:

Registry ID: 110020477900

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.

**A9
Target
Property**

**10800 S. SAGINAW ST.
GRAND BLANC, MI**

**SPIILLS S105975675
N/A**

Site 9 of 9 in cluster A

**Actual:
832 ft.**

MI PEAS:

Incident Date: 06/14/2000
Date Of PEAS Call: 06/15/2000
Complainant / Company: Dave Groat w/GM Metal Fab Plant
Complainant Address: 10800 S. Saginaw St.
Company Involved: Dave Groat w/GM Metal Fab Plant
DEQ Division Involved: SWQD

Incident Description: A train's engine derailed on their property. One fuel tank ruptured and spilled to the ground. It was contained on the property, but some of the diesel fuel went to a lagoon on the property. The lagoon has

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S105975675

Description: boomsto contain spills. A second call came in on this incident.
 Not reported

B10
South
< 1/8
0.049 mi.
257 ft.

GERALD D ROSS
6434 DORT HWY
GRAND BLANC, MI 48439

HIST LF **S100069427**
N/A

Site 1 of 3 in cluster B

Relative:
Lower

Historical LF:
 Facility ID: 25000011
 Status: INACTIVE
 Contact: Not reported
 Facility Phone: Not reported
 Facility Fax: Not reported
 Facility Type: Not reported
 Facility Email: Not reported
 Facility is Open: Not reported
 Facility Type: Landfill Type II
 Facility Contact: Not reported
 County Code: 25
 Facility Number: 000011
 Staff: Not reported
 Active: No
 Permit Date: Not reported
 Permit Number: Not reported
 License Date: / /
 License No: Not reported
 No Waste: Not reported
 Enforcement: Not reported
 Exp Letters: Not reported
 Operator Name: Not reported
 Operator Contact: Not reported
 Operator Address: Not reported
 Operator City,St,Zip: Not reported
 Operator Telephone: Not reported
 Operator Fax: Not reported
 Operator Email: Not reported
 Owner Name: GERALD D ROSS
 Owner Contact: Not reported
 Attention: Not reported
 Owner Address: Not reported
 Owner City,St,Zip: Not reported
 Owner Telephone: Not reported
 Owner Fax: Not reported
 Owner Email: Not reported
 District: Shawassee
 Section: 10
 Permit Applicant: Not reported
 Permit Applicant Contact: FRANK HAMBICKI
 Permit Applicant Address: 2425 RICHFIELD
 Permit Applicant City,St,Zip: FLINT, MI 48506
 Permit Applicant Phone: Not reported
 Application Type: Private
 Liner Information: Not reported
 Nature of Wastes Allowed: Not reported
 Township: Not reported
 Section Number: Not reported

Actual:
814 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GERALD D ROSS (Continued)

S100069427

Township Section: Not reported
 District: Not reported
 Business Type: Not reported
 County Description: Not reported
 County 2 Description: Not reported
 Liner Type: Not reported
 Reported Date: Not reported
 Amount: 0.00
 Financial Instrument: Not reported
 Fund Type: Not reported
 Issued Date: Not reported
 Expires: Not reported
 Expiry: Not reported
 Licensed: Not reported
 Comments: Not reported
 Date of Expiry of Current License: Not reported
 Acreage Currently Licensed: 0.000
 Acres Certified Closed: 0.000
 Issue of 1st Construction Permit Date: Not reported
 Acres Given in 1st Construction Permit: 0.000
 Issue of 2nd Construction Permit Date: Not reported
 Acres Given in 2nd Construction Permit: 0.000
 Issue of 3rd Construction Permit Date: Not reported
 Acres Given in 3rd Construction Permit: 0.000
 Restrictive Deed Covenant Filed: Not reported
 Perpetual Care Fund Type: Not reported
 Perpetual Care Fund Signed: Not reported
 Perpetual Care Fund Agreement Signed: Not reported
 Groundwater Monitoring System Exists: Not reported
 Date landill Certified Closed: Not reported
 Received Waste on or After Oct. 9, 1991: Not reported
 Site Monitorable Under Definition of New Rules: Not reported

B11
South
< 1/8
0.049 mi.
257 ft.

ROSS PROPERTIES
G-6434 S DORT HWY
GRAND BLANC, MI 33169
Site 2 of 3 in cluster B

LUST S108414343
N/A

Relative:
Lower

LUST:
 Facility ID: 00041962
 Source: STATE OF MICHIGAN
 Owner Name: Ross Properties
 Owner Address: 16805 Northwest 12th Avenue
 Owner City,St,Zip: Miami, FL 33169
 Owner Contact: Not reported
 Owner Phone: (305) 424-9330
 Country: USA
 District: Lansing District Office
 Site Name: Ross Properties
 Latitude: 42.9291670000
 Longitude: -83.6488890000
 Date of Collection: 08-02-2007
 Method of Collection: Interpolation-Map
 Accuracy: 40
 Accuracy Value Unit: FEET
 Horizontal Data: NAD83
 Point Line Area: POINT

Actual:
814 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROSS PROPERTIES (Continued)

S108414343

Desc Category: Not reported
Leak Number: C-0005-07
Release Date: Jan 10 2007
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Nov 24 2007

B12
South
< 1/8
0.049 mi.
257 ft.

ROSS PROPERTIES
G-6434 S DORT HWY
GRAND BLANC, MI 33169

UST U004066591
N/A

Site 3 of 3 in cluster B

Relative:
Lower

UST:
Facility ID: 00041962
Facility Type: CLOSED
Latitude: 42.9291670000
Longitude: -83.6488890000
Owner Name: Ross Properties
Owner Address: 16805 Northwest 12th Avenue
Owner City,St,Zip: Miami, FL 33169
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (305) 424-9330
Contact: Frank Owen
Contact Phone: (305) 757-4340
Date of Collection: 08-02-2007
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Not reported
Method of Collection: Interpolation-Map

Actual:
814 ft.

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Not reported
Product: Diesel
Remove Date: Jan 10 2007
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

13
NE
1/4-1/2
0.396 mi.
2091 ft.

DENNIS NEHRO & PETER J KANAN
10009 S SAGINAW ST
GRAND BLANC, MI 48504

LUST S108414318
N/A

Relative:
Lower

LUST:
Facility ID: 00037330
Source: STATE OF MICHIGAN
Owner Name: Dennis Nehro & Peter J Kanan
Owner Address: 4054 Dolan Dr
Owner City,St,Zip: Flint, MI 48504-1323
Owner Contact: Not reported
Owner Phone: (734) 789-5071
Country: USA
District: Lansing District Office
Site Name: Dennis Nehro & Peter J Kanan
Latitude: 43.0114240000
Longitude: -83.6865910000
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-0019-07
Release Date: Jan 24 2007
Substance Released: Unknown,Unknown
Release Status: Open
Release Closed Date: Not reported

14
NNE
1/4-1/2
0.411 mi.
2172 ft.

RON-SLIVKA BUICK - GMC TRUCK
G-6201 S SAGINAW ST
GRAND BLANC, MI 48439

LUST U002301225
UST N/A

Relative:
Lower

LUST:
Facility ID: 00009608
Source: STATE OF MICHIGAN
Owner Name: Ron-Slivka Buick - GMC Truck
Owner Address: G-6201 S SAGINAW ST
Owner City,St,Zip: GRAND BLANC, MI 48439
Owner Contact: Not reported
Owner Phone: (810) 694-5600
Country: USA
District: Lansing District Office
Site Name: Ron Slivka Buick
Latitude: 42.9407230000
Longitude: -83.6457400000
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-0078-91

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RON-SLIVKA BUICK - GMC TRUCK (Continued)

U002301225

Release Date: Jan 15 1991
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: Jun 27 1995

Leak Number: C-1397-94
Release Date: Nov 15 1994
Substance Released: Used Oil
Release Status: Closed
Release Closed Date: Jun 27 1995

UST:

Facility ID: 00009608
Facility Type: CLOSED
Latitude: 42.9407230000
Longitude: -83.6457400000
Owner Name: Ron-Slivka Buick - GMC Truck
Owner Address: G-6201 S SAGINAW ST
Owner City,St,Zip: GRAND BLANC, MI 48439
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (810) 694-5600
Contact: MR JOHN LANCASTER
Contact Phone: (810) 694-5600
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: Phantom
Tank Status: Non-Registered Tank
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 2000
Install Date: Apr 10 1983
Product: Gasoline
Remove Date: Aug 26 1991
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RON-SLIVKA BUICK - GMC TRUCK (Continued)

U002301225

Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 550
Install Date: Apr 9 1968
Product: Used Oil
Remove Date: Nov 15 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 2000
Install Date: Apr 9 1968
Product: NEW OIL
Remove Date: Jan 1 1984
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: 2000
Install Date: Apr 9 1968
Product: NEW TRANS OIL
Remove Date: Jan 1 1984
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

15
NNE
1/4-1/2
0.437 mi.
2309 ft.

AL SERRA CHEVROLET INC
6167 S SAGINAW RD
GRAND BLANC, MI 48439

LUST U002301181
UST N/A

Relative:
Lower

LUST:
Facility ID: 00015108
Source: STATE OF MICHIGAN
Owner Name: Al Serra Chev Inc
Owner Address: 6167 S Saginaw Rd
Owner City,St,Zip: Grand Blanc, MI 48439-8139
Owner Contact: Not reported
Owner Phone: (313) 694-5440

Actual:
815 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AL SERRA CHEVROLET INC (Continued)

U002301181

Country: USA
District: Lansing District Office
Site Name: Al Serra
Latitude: 42.9414220000
Longitude: -83.6465680000
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-2364-91
Release Date: Nov 2 1991
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Jan 21 1993

UST:

Facility ID: 00015108
Facility Type: ACTIVE
Latitude: 42.9414220000
Longitude: -83.6465680000
Owner Name: Al Serra Chev Inc
Owner Address: 6167 S Saginaw Rd
Owner City,St,Zip: Grand Blanc, MI 48439-8139
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 694-5440
Contact: JOSEPH O SERRA
Contact Phone: (810) 603-1400
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: 1000
Install Date: Apr 4 1985
Product: MOTOR OIL
Remove Date: Nov 2 1991
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,Composite(Steel w/Fiberglass)
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 1000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AL SERRA CHEVROLET INC (Continued)

U002301181

Install Date: Apr 5 1975
Product: Gasoline
Remove Date: Nov 2 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Apr 5 1975
Product: Used Oil
Remove Date: Nov 2 1991
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: 24
Tank Status: Currently In Use
Capacity: Not reported
Install Date: Not reported
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Inter Monitoring Double Walled Tank
Pipe Realease Detection: Interstitial Monitoring Double Walled Piping
Piping Material: Double Walled,Fiberglass reinforced plastic
Piping Type: Suction: No Valve At Tank
Constr Material: Composite(Steel w/Fiberglass),Double Walled
Impressed Device: No

Tank ID: Phantom
Tank Status: Non-Registered Tank
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CLARE	A100206613	FUELGAS	6021 E PERE RT 4	48507	AST
FLINT	U001777587	DISCOUNT MUFFLER	3600 S DORT WHY	48507	LUST, UST
FLINT	1011862700	FREEDOM FABRICATING & DESIGN	5254 S SAGINAW RD	48507	RCRA-CESQG
FLINT	U000253482	SAGINAW & CARPENTER SHELL	5000 N SAGINAW	48507	LUST, UST
FLINT	S103595357	SOUTHERN END OF HOLIDAY DRIVE	SOUTHERN END OF HOLIDAY DR	48507	SHWS
FLINT	S105144005	PARCEL H-323 TORREY ROAD	323 TORREY RD	48507	SHWS
GENESEE COUNTY	S110126619	N SAGINAW AND CORNELIA	N. SAGINAW / CORNELIUS		SHWS
GRAND BLANC	S105965838	VANDERHORST PROPERTY	CORNER OF SAGINAW ST & DORT HW	48439	DEL SHWS
GRAND BLANC	1010321224	ROSS PROPERTIES	6434 S DORT HWY	48439	RCRA-NonGen
GRAND BLANC	S105768428		GRAND BLANC	48439	SPILLS, BEA
GRAND BLANC	S105541672	SOUTH DORT HIGHWAY VACANT 22 ACRES	A PORTION OF PARCEL 04	48439	BEA
GRAND BLANC	1007101740		1183 S SAGINAW	48439	RCRA-NonGen
GRAND BLANC	1012172601	542 S. SAGINAW STREET	5342 SAGINAW RD S	48507	US BROWNFIELDS
GRAND BLANC	1012172597	432 S. SAGINAW STREET	5342 SAGINAW RD S	48507	US BROWNFIELDS
GRAND BLANC	1012172596	420 S. SAGINAW STREET	5342 SAGINAW RD S	48507	US BROWNFIELDS
GRAND BLANC	S104910237	SAGINAW & PERRY ROADS, SOUTHEAST C	SAGINAW & PERRY ROADS SOUTHEAS	48439	BEA
GRAND BLANC	1012172604	641/639 S. SAGINAW STREET	5342 SAGINAW RD S	48507	US BROWNFIELDS
GRAND BLANC	1010785573	D & N FOOD & GAS INC	6010 S SAGINAW RD	48439	RCRA-CESQG
GRAND BLANC	1012172598	506 S. SAGINAW STREET	5342 SAGINAW RD S	48507	US BROWNFIELDS
GRAND BLANC	U002301177	GOVERNMENT CENTER	5371 S SAGINAW ST	48439	LUST, UST
GRAND BLANC	U000715529	CHARTER TWP OF GRAND BLANC	5015 S SAGINAW ST	48439	LUST, UST
IONIA	U003867915	ACTION AUTO STORES, INC #77	25315 SOUTH STATE ST	48507	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: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/02/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/26/2010
	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: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/02/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/26/2010
	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: 03/01/2010
Number of Days to Update: 56	Next Scheduled EDR Contact: 05/31/2010
	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: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/02/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/26/2010
	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: 01/29/2010	Source: EPA
Date Data Arrived at EDR: 02/09/2010	Telephone: 703-412-9810
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 03/30/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/12/2010
	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: 06/23/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 703-603-8704
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 04/14/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/26/2010
	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: 03/11/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 06/14/2010
	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: 12/11/2009	Source: EPA
Date Data Arrived at EDR: 12/29/2009	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 02/15/2010
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/31/2010
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 01/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 312-886-6186
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 04/16/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/19/2010
	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: 01/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 312-886-6186
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 04/16/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/19/2010
	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: 01/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 312-886-6186
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 04/16/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/19/2010
	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: 01/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 312-886-6186
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 04/16/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/19/2010
	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: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 03/15/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/28/2010
	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: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 03/15/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/28/2010
	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: 12/31/2009	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/22/2010	Telephone: 202-267-2180
Date Made Active in Reports: 02/11/2010	Last EDR Contact: 04/07/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/19/2010
	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: 02/01/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/03/2010	Telephone: 517-373-9541
Date Made Active in Reports: 02/26/2010	Last EDR Contact: 02/03/2010
Number of Days to Update: 23	Next Scheduled EDR Contact: 05/17/2010
	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: 02/03/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/04/2010	Telephone: 517-335-4035
Date Made Active in Reports: 02/26/2010	Last EDR Contact: 04/05/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/19/2010
	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: 03/29/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 04/01/2010	Telephone: 517-373-9837
Date Made Active in Reports: 04/13/2010	Last EDR Contact: 04/01/2010
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/07/2010
	Data Release Frequency: Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/01/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2010	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/17/2010
	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: 03/10/2010	Source: EPA Region 4
Date Data Arrived at EDR: 03/16/2010	Telephone: 404-562-8677
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 27	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/02/2010	Source: EPA Region 10
Date Data Arrived at EDR: 02/03/2010	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Quarterly

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: 03/01/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 05/17/2010
	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: 03/05/2010	Source: EPA Region 6
Date Data Arrived at EDR: 03/05/2010	Telephone: 214-665-6597
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 38	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/24/2009
Date Data Arrived at EDR: 05/20/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 28

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 02/25/2010
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 46

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Quarterly

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: 03/29/2010
Date Data Arrived at EDR: 04/01/2010
Date Made Active in Reports: 04/14/2010
Number of Days to Update: 13

Source: Department of Environmental Quality
Telephone: 517-335-4035
Last EDR Contact: 04/01/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 02/05/2010
Date Data Arrived at EDR: 03/12/2010
Date Made Active in Reports: 04/14/2010
Number of Days to Update: 33

Source: Department of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 02/23/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: No Update Planned

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: 02/25/2010
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 46

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
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: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/01/2010
Date Data Arrived at EDR: 03/03/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 40

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Quarterly

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: 03/10/2010
Date Data Arrived at EDR: 03/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 27

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/02/2010
Date Data Arrived at EDR: 02/03/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 15

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/17/2010
Next Scheduled EDR Contact: 05/17/2010
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: 02/08/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 9

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Semi-Annually

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: 02/11/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

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: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/18/2010
Next Scheduled EDR Contact: 05/03/2010
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: 03/26/2010
Date Data Arrived at EDR: 03/26/2010
Date Made Active in Reports: 04/13/2010
Number of Days to Update: 18

Source: Department of Environmental Quality
Telephone: 517-373-4828
Last EDR Contact: 03/08/2010
Next Scheduled EDR Contact: 06/21/2010
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: 04/05/2010
Next Scheduled EDR Contact: 07/19/2010
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: 02/12/2010
Date Data Arrived at EDR: 02/12/2010
Date Made Active in Reports: 02/26/2010
Number of Days to Update: 14

Source: Department of Environmental Quality
Telephone: 517-373-4805
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
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: 03/08/2010
Next Scheduled EDR Contact: 06/21/2010
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: 03/23/2010
Number of Days to Update: 42	Next Scheduled EDR Contact: 07/12/2010
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

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

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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: 03/22/2010
Number of Days to Update: 137	Next Scheduled EDR Contact: 06/21/2010
	Data Release Frequency: Varies

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997	Source: Department of 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: 02/08/2010
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/24/2010
	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: 08/19/2009	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 12/29/2009	Telephone: 202-307-1000
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 12/14/2009
Number of Days to Update: 43	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 it's listing or the site no longer meets criteria specified in rules.

Date of Government Version: 02/04/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/04/2010	Telephone: 517-373-9541
Date Made Active in Reports: 02/26/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 05/17/2010
	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: 02/02/2010
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/17/2010
	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: 02/05/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/11/2010	Telephone: 202-564-6023
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 60	Next Scheduled EDR Contact: 05/17/2010
	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: 03/17/2010
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/07/2010
	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: 01/05/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 01/29/2010	Telephone: 517-373-9837
Date Made Active in Reports: 02/26/2010	Last EDR Contact: 01/27/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/10/2010
	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: 12/31/2009	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/06/2010	Telephone: 202-366-4555
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 04/07/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/19/2010
	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: 12/08/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/12/2010	Telephone: 517-373-8427
Date Made Active in Reports: 03/23/2010	Last EDR Contact: 03/15/2010
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/28/2010
	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: 01/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 312-886-6186
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 04/16/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/19/2010
	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: 01/12/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 62

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/09/2010
Next Scheduled EDR Contact: 05/24/2010
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: 01/19/2010
Next Scheduled EDR Contact: 05/03/2010
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: 03/18/2010
Next Scheduled EDR Contact: 06/28/2010
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: 04/05/2010
Next Scheduled EDR Contact: 07/19/2010
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: 12/01/2009
Date Data Arrived at EDR: 12/15/2009
Date Made Active in Reports: 01/19/2010
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/02/2010
Next Scheduled EDR Contact: 06/28/2010
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: 01/21/2010
Next Scheduled EDR Contact: 06/14/2010
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: 11/17/2009
Date Data Arrived at EDR: 12/08/2009
Date Made Active in Reports: 01/19/2010
Number of Days to Update: 42

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/10/2010
Next Scheduled EDR Contact: 06/21/2010
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: 12/31/2008
Date Data Arrived at EDR: 01/13/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 36

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 03/02/2010
Next Scheduled EDR Contact: 06/14/2010
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: 03/30/2010
Next Scheduled EDR Contact: 07/12/2010
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: 03/01/2010
Next Scheduled EDR Contact: 06/14/2010
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: 03/01/2010
Next Scheduled EDR Contact: 06/14/2010
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: 12/31/2008
Date Data Arrived at EDR: 01/06/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
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: 11/10/2009
Date Data Arrived at EDR: 11/18/2009
Date Made Active in Reports: 01/19/2010
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 03/29/2010
Next Scheduled EDR Contact: 07/12/2010
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: 02/16/2010
Next Scheduled EDR Contact: 05/03/2010
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: 12/24/2009
Date Data Arrived at EDR: 12/31/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 41

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/15/2010
Next Scheduled EDR Contact: 06/28/2010
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: 01/12/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/13/2010	Telephone: 202-343-9775
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 04/14/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/26/2010
	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: 03/15/2010
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/28/2010
	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: 02/25/2010
Number of Days to Update: 92	Next Scheduled EDR Contact: 06/07/2010
	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: 02/02/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/03/2010	Telephone: 517-241-1515
Date Made Active in Reports: 03/23/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/26/2010
Date Data Arrived at EDR: 02/05/2010
Date Made Active in Reports: 02/26/2010
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 517-335-4586
Last EDR Contact: 01/25/2010
Next Scheduled EDR Contact: 05/10/2010
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: 01/12/2010
Date Data Arrived at EDR: 01/13/2010
Date Made Active in Reports: 01/27/2010
Number of Days to Update: 14

Source: Department of Environmental Quality
Telephone: 517-241-1300
Last EDR Contact: 04/14/2010
Next Scheduled EDR Contact: 07/26/2010
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: 04/02/2010
Next Scheduled EDR Contact: 07/12/2010
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: 03/01/2010
Date Data Arrived at EDR: 03/02/2010
Date Made Active in Reports: 03/23/2010
Number of Days to Update: 21

Source: DEPT. OF ENVIRONMENTAL QUALITY
Telephone: 517-373-9541
Last EDR Contact: 02/23/2010
Next Scheduled EDR Contact: 06/07/2010
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: 01/19/2010
Next Scheduled EDR Contact: 05/03/2010
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: 02/10/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/08/2010
Next Scheduled EDR Contact: 05/10/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 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: 01/19/2010
Number of Days to Update: 339	Next Scheduled EDR Contact: 05/03/2010
	Data Release Frequency: N/A

FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/28/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/03/2010	Telephone: 517-335-6610
Date Made Active in Reports: 02/26/2010	Last EDR Contact: 04/12/2010
Number of Days to Update: 23	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

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

Date of Government Version: 02/03/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/04/2010	Telephone: 517-335-4034
Date Made Active in Reports: 02/26/2010	Last EDR Contact: 04/05/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/19/2010
	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: 11/09/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/18/2009	Telephone: N/A
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 03/16/2010
Number of Days to Update: 54	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 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: 02/24/2010
Number of Days to Update: 100	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Varies

COAL ASH DOE: Steam-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: 01/27/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 05/03/2010
	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: 01/25/2010

Date Data Arrived at EDR: 01/25/2010

Date Made Active in Reports: 01/27/2010

Number of Days to Update: 2

Source: Department of Environmental Quality

Telephone: 586-753-3754

Last EDR Contact: 04/12/2010

Next Scheduled EDR Contact: 07/26/2010

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.

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: 03/02/2010

Next Scheduled EDR Contact: 06/07/2010

Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009

Date Data Arrived at EDR: 01/20/2010

Date Made Active in Reports: 02/05/2010

Number of Days to Update: 16

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 01/20/2010

Next Scheduled EDR Contact: 05/03/2010

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/04/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 03/17/2010
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/11/2010
Next Scheduled EDR Contact: 05/24/2010
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: 02/23/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 11/03/2009
Date Data Arrived at EDR: 02/12/2010
Date Made Active in Reports: 02/22/2010
Number of Days to Update: 10

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 03/01/2010
Next Scheduled EDR Contact: 06/14/2010
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 07/17/2009
Date Made Active in Reports: 08/10/2009
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/22/2010
Next Scheduled EDR Contact: 07/05/2010
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

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SITE #1269 - DORT HIGHWAY LAND
10800 SOUTH SAGINAW STREET
GRAND BLANC, MI 48439

TARGET PROPERTY COORDINATES

Latitude (North):	42.93260 - 42° 55' 57.4"
Longitude (West):	83.6495 - 83° 38' 58.2"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	283796.0
UTM Y (Meters):	4756521.5
Elevation:	832 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42083-H6 FLINT SOUTH, 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).

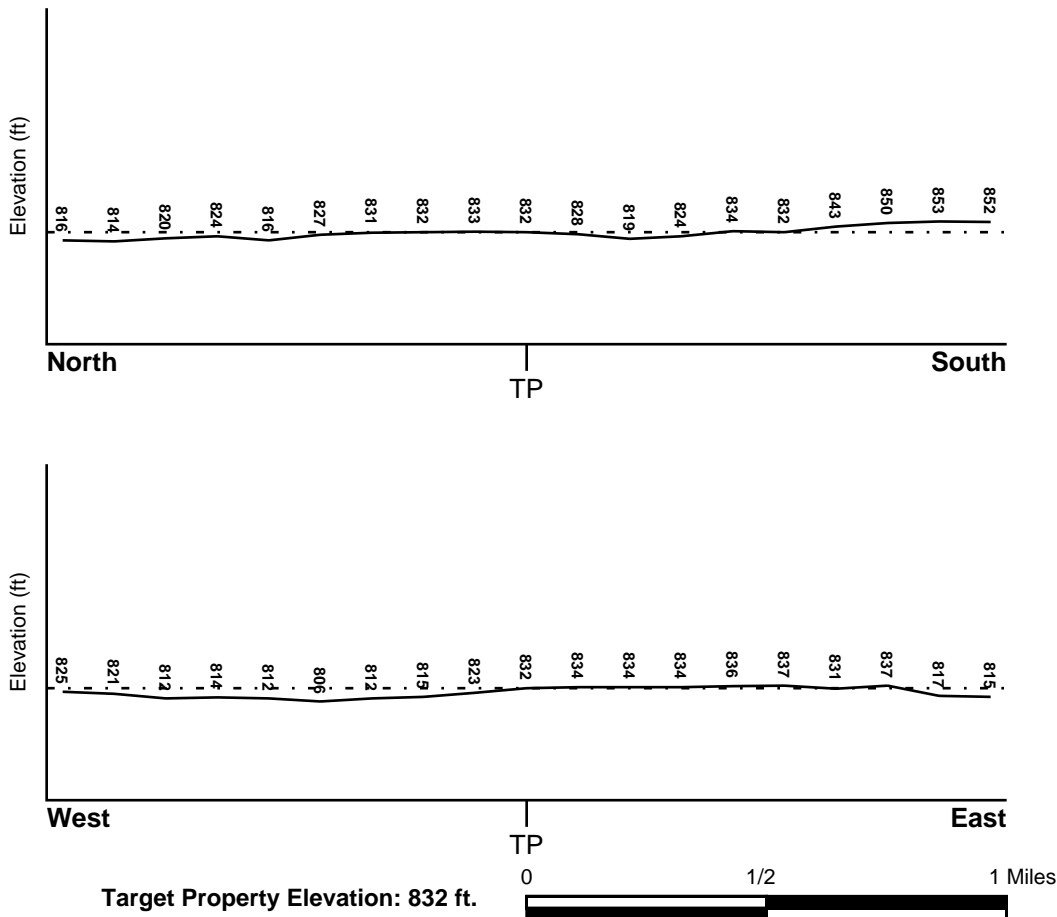
TOPOGRAPHIC INFORMATION

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 WSW

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

Target Property County
GENESEE, MI

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 2600790007B - FEMA Q3 Flood data

Additional Panels in search area:
2600790004B - FEMA Q3 Flood data
2602550001B - FEMA Q3 Flood data
2600790008B - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
FLINT SOUTH

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
12	1/2 - 1 Mile NNE	Not Reported

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

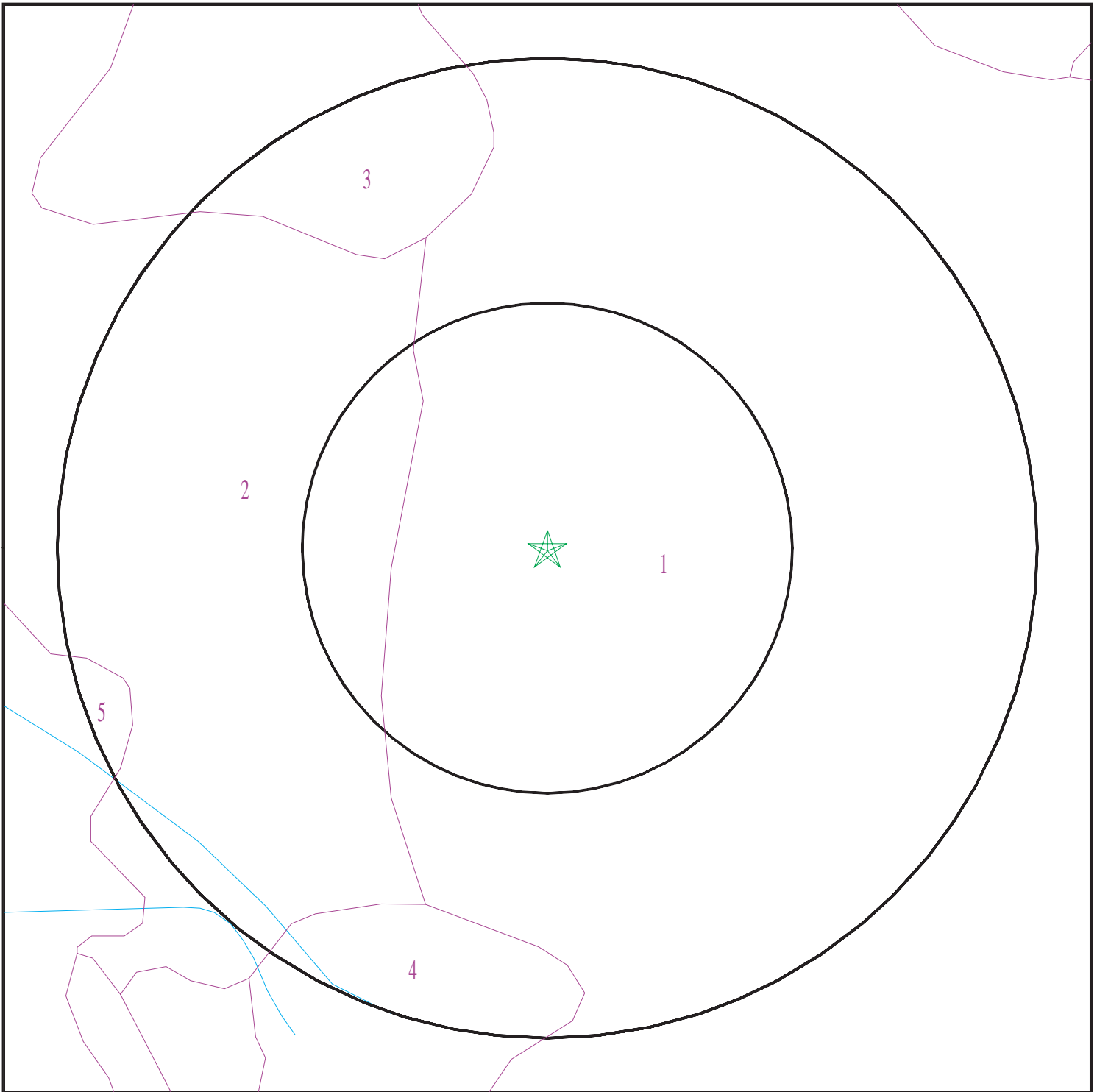
Era:	Paleozoic
System:	Mississippian
Series:	Meramecian Series
Code:	M2 (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

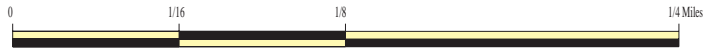
Category: Stratified Sequence

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 - 2748025.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Site #1269 - Dort Highway Land
ADDRESS: 10800 South Saginaw Street
Grand Blanc MI 48439
LAT/LONG: 42.9326 / 83.6495

CLIENT: O'Brien & Gere
CONTACT: Alicia Casmer
INQUIRY #: 2748025.2s
DATE: April 19, 2010 10:08 am

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: Made land

Soil Surface Texture: Not reported

Hydrologic Group: Not reported

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	59 inches		Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 2

Soil Component Name: Conover

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	7 inches	27 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	27 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: Conover

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	7 inches	27 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	27 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 4

Soil Component Name: Water

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: Lupton

Soil Surface Texture: muck

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

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	59 inches	muck	A-8	Highly organic soils, Peat.	Max: 42 Min: 1.4	Max: Min:

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>
A3	USGS2308450	1/4 - 1/2 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A4	USGS2308449	1/4 - 1/2 Mile ESE
7	USGS2308448	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
51	MI0003663	1/2 - 1 Mile SSW

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

STATE DATABASE WELL INFORMATION

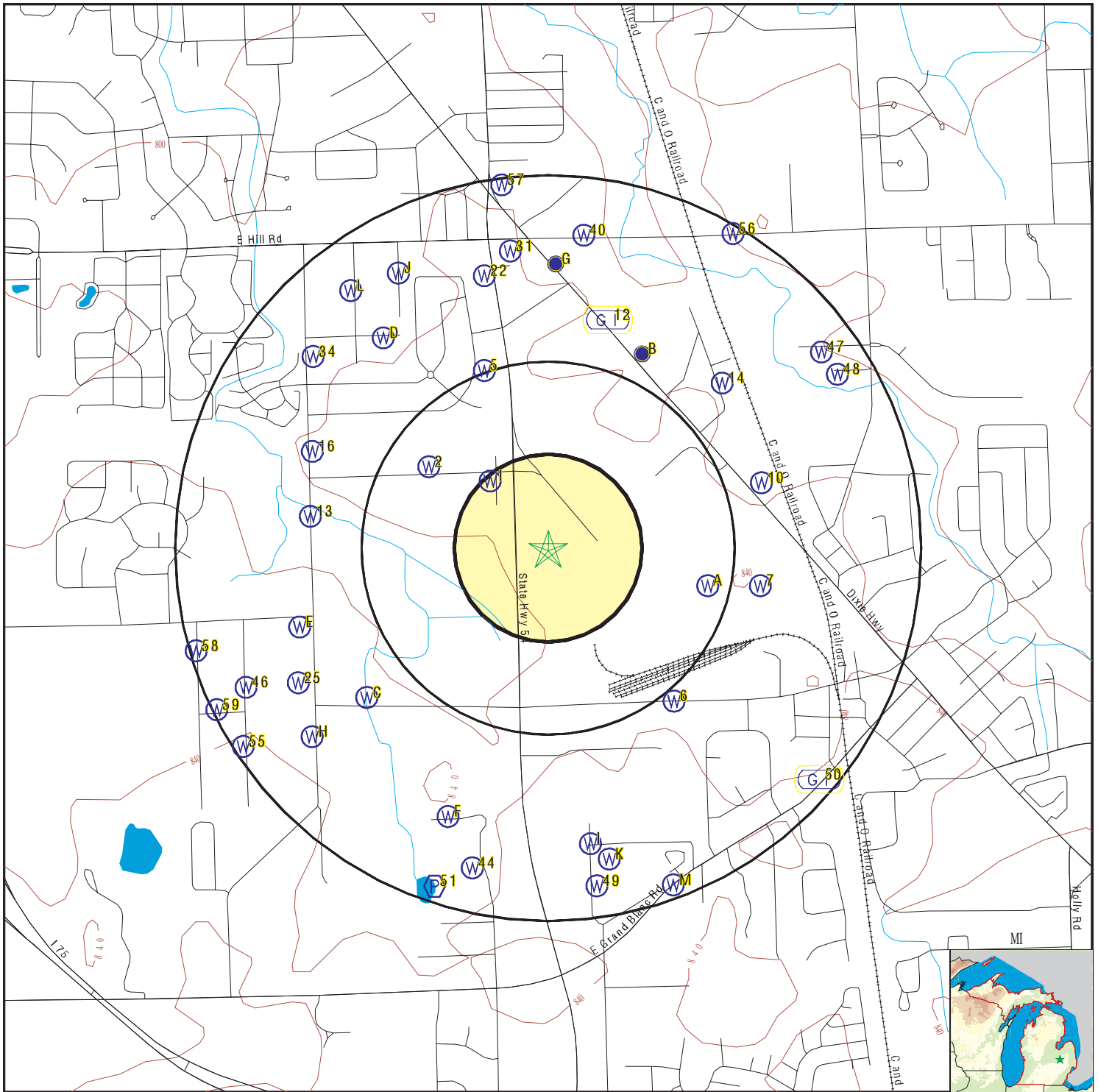
MAP ID	WELL ID	LOCATION FROM TP
1	MI20066351	1/8 - 1/4 Mile NW
2	MI20067508	1/4 - 1/2 Mile NW
5	MI20067510	1/2 - 1 Mile NNW
6	MI20075574	1/2 - 1 Mile SE
B9	MI20066353	1/2 - 1 Mile NNE
10	MI20067513	1/2 - 1 Mile ENE
C11	MI20066354	1/2 - 1 Mile SW
13	MI20075325	1/2 - 1 Mile West
14	MI20067512	1/2 - 1 Mile NE
C15	MI20076308	1/2 - 1 Mile SW
16	MI20067506	1/2 - 1 Mile WNW
D17	MI20067507	1/2 - 1 Mile NW
E18	MI20067553	1/2 - 1 Mile WSW
E19	MI20072179	1/2 - 1 Mile WSW
D20	MI20071694	1/2 - 1 Mile NW
D21	MI20073399	1/2 - 1 Mile NW
22	MI20067504	1/2 - 1 Mile NNW
F23	MI20074618	1/2 - 1 Mile SSW
25	MI20072184	1/2 - 1 Mile WSW
G26	MI20075572	1/2 - 1 Mile North
F27	MI20072934	1/2 - 1 Mile SSW
H28	MI20074877	1/2 - 1 Mile SW
I29	MI20074625	1/2 - 1 Mile South
H30	MI20074073	1/2 - 1 Mile SW
31	MI20066352	1/2 - 1 Mile North
I32	MI20074776	1/2 - 1 Mile South
I33	MI20072707	1/2 - 1 Mile South
34	MI20067505	1/2 - 1 Mile NW
J35	MI20067509	1/2 - 1 Mile NNW
K36	MI20067546	1/2 - 1 Mile SSE
J37	MI20073485	1/2 - 1 Mile NNW
J38	MI20073052	1/2 - 1 Mile NNW
H39	MI20067554	1/2 - 1 Mile SW
40	MI20067470	1/2 - 1 Mile North
J41	MI20072436	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

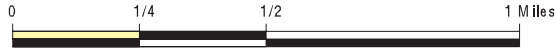
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
L42	MI20074773	1/2 - 1 Mile NW
K43	MI20072033	1/2 - 1 Mile South
44	MI20067558	1/2 - 1 Mile SSW
L45	MI20075799	1/2 - 1 Mile NW
46	MI20071468	1/2 - 1 Mile WSW
47	MI20067511	1/2 - 1 Mile NE
48	MI20072192	1/2 - 1 Mile ENE
49	MI20067547	1/2 - 1 Mile South
M52	MI20073763	1/2 - 1 Mile SSE
M53	MI20067545	1/2 - 1 Mile SSE
M54	MI20073829	1/2 - 1 Mile SSE
55	MI20074876	1/2 - 1 Mile WSW
56	MI20074239	1/2 - 1 Mile NNE
57	MI20066347	1/2 - 1 Mile North
58	MI20073559	1/2 - 1 Mile WSW
59	MI20074237	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 2748025.2s



- 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: Site #1269 - Dort Highway Land
 ADDRESS: 10800 South Saginaw Street
 Grand Blanc MI 48439
 LAT/LONG: 42.9326 / 83.6495

CLIENT: O'Brien & Gere
 CONTACT: Alicia Casmer
 INQUIRY #: 2748025.2s
 DATE: April 19, 2010 10:08 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
NW
1/8 - 1/4 Mile
Higher

MI WELLS MI20066351

Wellid:	25000000022	Import id:	25067708006
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	GIBBS, CLIFFORD E.		
Well addr:	2524 GIBSON		
Well depth:	200		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	1196
Const date:	1972-07-07 00:00:00.000	Case type:	Unknown
Case dia:	2		
Case depth:	150		
Screen frm:	0		
Screen to:	0		
Swl:	38		
Test depth:	100		
Test hours:	2		
Test rate:	8	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9352071476		
Longitude:	-83.652554462		
Methd coll:	Interpolation-Map		
Elevation:	831		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	830	Elev dif:	1
Elev miv:	831	Aq code:	Rock Well
Aq flag:	Not Reported		
Pct aq d:	26	Pct aq:	45
Pct maq:	0	Pct aq r:	100
Pct maq r:	0	Pct maq d:	0
Pct cm d:	74	Pct cm:	55
Pct pcm:	0	Pct cm r:	0
Pct pcm r:	0	Pct pcm d:	0
Pct na d:	0	Pct na:	0
Pct flag:	Not Reported	Pct na r:	0
D r type:	Not Reported	Rock top:	148
A thicknes:	0	Spc cpcity:	0
A pct maq:	0	A pct aq:	0
A pct cm:	0	A pct pcm:	0
A thickns2:	0	A pct na:	0
A pct maq2:	0	A pct aq2:	0
A pct cm2:	0	A pct pcm2:	0
A hit swl:	F	A pct na2:	0
A hit rock:	F	A hit top:	F
A sc lmod1:	Not Reported	A sc lith1:	Not Reported
A sc lpct1:	0	A sc lmaq1:	Not Reported
A sc lmod2:	Not Reported	A sc lith2:	Not Reported
A sc lpct2:	0	A sc lmaq2:	Not Reported
Pct maq 1:	0	Pct aq 1:	0
Pct pcm 1:	0	Pct cm 1:	100
		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:	60
Pct maq 3:	0	Pct cm 3:	40
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	50	Pct maq 4:	0
Pct cm 4:	50	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	80
Pct maq 5:	0	Pct cm 5:	20
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:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	29.68757		
Vert Conduct:	.00014		
T2:	3800.009		
D50plek:	790.06014		

**2
NW
1/4 - 1/2 Mile
Higher**

MI WELLS MI20067508

Wellid:	25000001254	Import id:	25067708005
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	?		
Well addr:	2435 GIBSON		
Well depth:	220		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1893
Const date:	1987-09-19 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	171		
Screen frm:	0		
Screen to:	78		
Swl:	78		
Test depth:	220		
Test hours:	1		
Test rate:	40	Test methd:	Unknown
Grouted:	0	Pmp cpcity:	0
Latitude:	42.935758698		
Longitude:	-83.6557972664		
Methd coll:	Interpolation-Map		
Elevation:	835		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	833	Elev dif:	2
Elev miv:	835	Aq code:	Drift Well
Aq flag:	Screen Condition (Screen Depth > 0 and Screen Depth <= Well Depth)		AQ_CODE is set to "D"
Pct aq d:	0	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	59
Pct cm d:	59	Pct cm r:	0
Pct pcm:	14	Pct pcm d:	14
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	160
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:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand & Clay
A sc lmod1:	Not Reported	A sc lmaq1:	PCM
A sc lpct1:	13	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:	40	Pct pcm 4:	60
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	10
Pct pcm 5:	90	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:	100
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:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

**A3
ESE
1/4 - 1/2 Mile
Higher**

FED USGS USGS2308450

Agency cd:	USGS	Site no:	425552083382821
Site name:	06N 07E 09DCCC01 GENESE FISHER BODY 2		
Latitude:	425552	EDR Site id:	USGS2308450
Longitude:	0833828	Dec lat:	42.93113882
Dec lon:	-83.64106335	Coor meth:	M
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	049
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	837		
Altitude method:	Reported		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Flint. Michigan. Area = 1340 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAGINAW FORMATION		
Well depth:	385	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	442600200		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A4
ESE
1/4 - 1/2 Mile
Higher

FED USGS USGS2308449

Agency cd:	USGS	Site no:	425552083382801
Site name:	06N 07E 09DCCC01 GENESEE CO (FISHER BODY #2 WELL)		
Latitude:	425552	EDR Site id:	USGS2308449
Longitude:	0833828	Dec lat:	42.93113882
Dec lon:	-83.64106335	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	049
Country:	US	Land net:	06N 07E 09DCCC01
Location map:	FLINT SOUTH	Map scale:	24000
Altitude:	837		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Flint. Michigan. Area = 1340 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19510612
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAGINAW FORMATION		
Well depth:	385	Hole depth:	385
Source of depth data:	Not Reported		
Project number:	442600200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1975-06-23
Water quality data end date:	1984-11-30	Water quality data count:	3
Ground water data begin date:	1951-06-12	Ground water data end date:	1951-06-12
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1951-06-12	31.26	

5
NNW
1/2 - 1 Mile
Lower

MI WELLS MI20067510

Wellid:	25000001256	Import id:	25067708302
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	GRAND BLANC TOWNSHIP		
Well addr:	GRAND BLANC TWP NTL ESTS #4		
Well depth:	300		
Well type:	Type I public		
Wssn:	2745		
Well num:	GRAND BLANC TWP NTL ESTS #4	Miller 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:	42.9394953847		
Longitude:	-83.652864181		
Methd coll:	Interpolation-Map		
Elevation:	828		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	SWL > Well Depth		
Elev dem:	827	Elev dif:	1
Elev miv:	828	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:	100
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	100	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	100
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	100	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	100
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	100	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	100
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	100	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	100

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:	100	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		

**6
SE
1/2 - 1 Mile
Higher**

MI WELLS MI20075574

Wellid:	25000011616	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	16
Owner name:	Waretech Industrial Park		
Well addr:	3085 Reid Rd		
Well depth:	1		
Well type:	Type II public		
Wssn:	2153025		
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:	42.92665783		
Longitude:	-83.64284015		
Methd coll:	Address Matching-House Number		
Elevation:	833		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Well_Depth < 25 feet or Well_Depth > 1000 feet
Elev flag:	Not Reported		
Swl flag:	SWL = 0		
Elev dem:	836	Elev dif:	3
Elev miv:	833	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

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:	-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
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

7
East
1/2 - 1 Mile
Higher

FED USGS USGS2308448

Agency cd:	USGS	Site no:	425552083381801
Site name:	06N 07E 09DCDD01 GENESEE CO (FISHER BODY #1 WELL)		
Latitude:	425552	EDR Site id:	USGS2308448
Longitude:	0833818	Dec lat:	42.93113881
Dec lon:	-83.63828549	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	049
Country:	US	Land net:	06N 07E 09DCDD01
Location map:	FLINT SOUTH	Map scale:	24000
Altitude:	841.71		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.01		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Flint. Michigan. Area = 1340 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAGINAW FORMATION		
Well depth:	235	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	244500200		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

B9
NNE
1/2 - 1 Mile
Lower

MI WELLS MI20066353

Wellid:	25000000024	Import id:	25067709004
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	9
Owner name:	AL SERRA CHEVROLET		
Well addr:	6179 S. SAGINAW		
Well depth:	240		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	99
Const date:	1974-12-05 00:00:00.000	Case type:	Unknown
Case dia:	4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	110		
Screen frm:	0		
Screen to:	0		
Swl:	50		
Test depth:	84		
Test hours:	1		
Test rate:	25	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9399800132		
Longitude:	-83.6440206699		
Methd coll:	Interpolation-Map		
Elevation:	820		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	817	Elev dif:	3
Elev miv:	820	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	31
Pct aq d:	0	Pct aq r:	54
Pct maq:	27	Pct maq d:	0
Pct maq r:	46	Pct cm:	17
Pct cm d:	40	Pct cm r:	0
Pct pcm:	25	Pct pcm d:	60
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	100
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:	0
Pct pcm 3:	100	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	100
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	100	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:	.00752		
Vert Conduct:	.00039		
T2:	.602		
D50plek:	.13856		

**10
ENE
1/2 - 1 Mile
Lower**

MI WELLS MI20067513

Wellid:	25000001259	Import id:	25067709005
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	9
Owner name:	CARPENTER, MAX		
Well addr:	6357 S. SAGINAW		
Well depth:	180		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	169
Const date:	1978-07-16 00:00:00.000	Case type:	Unknown
Case dia:	4		
Case depth:	106		
Screen frm:	0		
Screen to:	0		
Swl:	50		
Test depth:	100		
Test hours:	2		
Test rate:	33	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9351375395		
Longitude:	-83.6382192366		
Methd coll:	Interpolation-Map		
Elevation:	821		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	813	Elev dif:	8
Elev miv:	821	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	41
Pct aq d:	0	Pct aq r:	100
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	51

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	87	Pct cm r:	0
Pct pcm:	8	Pct pcm d:	13
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	106
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:	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:	60
Pct pcm 5:	40	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:	.01636		
Vert Conduct:	.00012		
T2:	1.4072		
D50plek:	.32394		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C11
SW
1/2 - 1 Mile
Lower

MI WELLS MI20066354

Wellid:	25000000025	Import id:	25067717010
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	VAN ETTEN DISPOSAL		
Well addr:	2353 REID		
Well depth:	260		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	283
Const date:	1983-07-14 00:00:00.000	Case type:	Unknown
Case dia:	5		
Case depth:	200		
Screen frm:	0		
Screen to:	0		
Swl:	60		
Test depth:	60		
Test hours:	1		
Test rate:	50	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9270716683		
Longitude:	-83.6586479486		
Methd coll:	Interpolation-Map		
Elevation:	830		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	827	Elev dif:	3
Elev miv:	830	Aq code:	Rock Well
Aq flag:	Not Reported		
Pct aq d:	0	Pct aq:	23
Pct maq:	0	Pct aq r:	75
Pct maq r:	0	Pct maq d:	0
Pct cm d:	100	Pct cm:	77
Pct pcm:	0	Pct cm r:	25
Pct pcm r:	0	Pct pcm d:	0
Pct na d:	0	Pct na:	0
Pct na r:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	180
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:	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:	100
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:	.016		
D50plek:	.01083		

**12
NNE
1/2 - 1 Mile
Lower**

Site ID: 250229
 Groundwater Flow: Not Reported
 Shallowest Water Table Depth: 5
 Deepest Water Table Depth: 15
 Average Water Table Depth: Not Reported
 Date: 04/13/1995

AQUIFLOW 28289

**13
West
1/2 - 1 Mile
Lower**

Wellid:	25000011224	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	FRANK JOBE		
Well addr:	6451 PORTER RD		
Well depth:	230		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2152
Const date:	2003-05-25 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

MI WELLS MI20075325

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	180		
Screen frm:	0		
Screen to:	0		
Swl:	50		
Test depth:	65		
Test hours:	.5		
Test rate:	40	Test methd:	Air
Grouted:	1	Pmp cpcity:	12
Latitude:	42.93383633		
Longitude:	-83.66205705		
Methd coll:	Address Matching-House Number		
Elevation:	823		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	810	Elev dif:	13
Elev miv:	823	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	28
Pct aq d:	6	Pct aq r:	77
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	33
Pct cm d:	38	Pct cm r:	23
Pct pcm:	39	Pct pcm d:	56
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	159
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:	50	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	50
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	100	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	100
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	100	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:	7.20068		
Vert Conduct:	.00034		
T2:	1000.894		
D50plek:	242.04904		

**14
NE
1/2 - 1 Mile
Lower**

MI WELLS MI20067512

Wellid:	25000001258	Import id:	25067709003
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	9
Owner name:	WERNER WEIERSTAHL BUILDERS		
Well addr:	6199 CASE AVENUE		
Well depth:	140		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	99
Const date:	1978-01-23 00:00:00.000	Case type:	Unknown
Case dia:	2		
Case depth:	88		
Screen frm:	0		
Screen to:	0		
Swl:	45		
Test depth:	75		
Test hours:	2		
Test rate:	10	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9390081406		
Longitude:	-83.6402969612		
Methd coll:	Interpolation-Map		
Elevation:	820		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	817	Elev dif:	3
Elev miv:	820	Aq code:	Rock Well
Aq flag:	Not Reported		
Pct aq d:	23	Pct aq:	57
Pct maq:	0	Pct aq r:	100
Pct maq r:	0	Pct maq d:	0
		Pct cm:	43

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	77	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:	78
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:	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:	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:	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:	15.51731		
Vert Conduct:	.00014		
T2:	900.004		
D50plek:	91.33547		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C15
SW
1/2 - 1 Mile
Lower

MI WELLS MI20076308

Wellid:	25000012679	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	TONY STEFANSKI		
Well addr:	2311 E REID RD		
Well depth:	240		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1947
Const date:	2002-10-31 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	187		
Screen frm:	0		
Screen to:	0		
Swl:	55		
Test depth:	90		
Test hours:	1		
Test rate:	33	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.926528		
Longitude:	-83.659499		
Methd coll:	Address Matching-House Number		
Elevation:	840		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	823	Elev dif:	17
Elev miv:	840	Aq code:	Rock Well
Aq flag:	Not Reported		
Pct aq d:	11	Pct aq:	32
Pct maq:	0	Pct aq r:	100
Pct maq r:	0	Pct maq d:	0
Pct cm d:	89	Pct cm:	68
Pct pcm:	0	Pct cm r:	0
Pct pcm r:	0	Pct pcm d:	0
Pct na d:	0	Pct na:	0
Pct na r:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	183
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:	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:	40
Pct maq 7:	0	Pct cm 7:	60
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:	36.8099		
Vert Conduct:	.00011		
T2:	6000.0143		
D50plek:	1553.26072		

16
WNW
1/2 - 1 Mile
Lower

MI WELLS MI20067506

Wellid:	25000001252	Import id:	25067708003
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	D & H BUILDERS		
Well addr:	6288 PORTER		
Well depth:	260		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	99
Const date:	1981-07-18 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	180		
Screen frm:	0		
Screen to:	0		
Swl:	50		
Test depth:	120		
Test hours:	2		
Test rate:	33	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.936354698		
Longitude:	-83.6619524529		
Methd coll:	Interpolation-Map		
Elevation:	824		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	820	Elev dif:	4
Elev miv:	824	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	27
Pct aq d:	0	Pct aq r:	88
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	50
Pct cm d:	67	Pct cm r:	13
Pct pcm:	23	Pct pcm d:	33
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	180
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:	0	Pct pcm 4:	100
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	100	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:	100
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:	.25131		
Vert Conduct:	.00016		
T2:	40.21		
D50plek:	13.50767		

**D17
NW
1/2 - 1 Mile
Lower**

MI WELLS MI20067507

Wellid:	25000001253	Import id:	25067708004
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	PHELTS, BONNIE		
Well addr:	2366 EDWARDS		
Well depth:	220		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	314
Const date:	1978-06-24 00:00:00.000	Case type:	Unknown
Case dia:	2		
Case depth:	152		
Screen frm:	0		
Screen to:	0		
Swl:	63		
Test depth:	84		
Test hours:	1		
Test rate:	6	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9404455998		
Longitude:	-83.658158495		
Methd coll:	Interpolation-Map		
Elevation:	821		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	817	Elev dif:	4
Elev miv:	821	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	42
Pct aq d:	7	Pct aq r:	100
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	44

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	71	Pct cm r:	0
Pct pcm:	14	Pct pcm d:	22
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	137
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:	55
Pct pcm 1:	45	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:	50
Pct maq 3:	0	Pct cm 3:	45
Pct pcm 3:	5	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:	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:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	8.56503		
Vert Conduct:	.00014		
T2:	1002.1086		
D50plek:	203.97317		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E18
WSW
1/2 - 1 Mile
Higher

MI WELLS MI20067553

Wellid:	25000001299	Import id:	25067717005
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	BLUM BUILDERS		
Well addr:	7030 POTTER ROAD		
Well depth:	262		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	32
Const date:	1976-07-29 00:00:00.000	Case type:	Unknown
Case dia:	2		
Case depth:	199		
Screen frm:	0		
Screen to:	0		
Swl:	60		
Test depth:	260		
Test hours:	3		
Test rate:	11	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9291547063		
Longitude:	-83.6624487848		
Methd coll:	Interpolation-Map		
Elevation:	832		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	830	Elev dif:	2
Elev miv:	832	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	30
Pct aq d:	20	Pct aq r:	58
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	18
Pct cm d:	10	Pct cm r:	42
Pct pcm:	52	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:	197
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:	25
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	75	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	25	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	75
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:	100
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	100	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	20	Pct pcm 6:	80
Pct na 6:	0	Pct aq 7:	40
Pct maq 7:	0	Pct cm 7:	60
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:	19.78092		
Vert Conduct:	.00083		
T2:	3501.222		
D50plek:	1010.72253		

**E19
WSW
1/2 - 1 Mile
Higher**

MI WELLS MI20072179

Wellid:	25000007001	Import id:	Not Reported
County:	Genesee	Township:	Argentine
Town range:	05N 05E	Section:	17
Owner name:	New Life Christian Fellowship		
Well addr:	2237 Reid Road		
Well depth:	240		
Well type:	Type II public		
Wssn:	2140625		
Well num:	001	Driller id:	1947
Const date:	1993-05-17 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	187		
Screen frm:	0		
Screen to:	0		
Swl:	55		
Test depth:	110		
Test hours:	1		
Test rate:	33	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	27
Latitude:	42.92991933		
Longitude:	-83.66279925		
Methd coll:	Address Matching-House Number		
Elevation:	827		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	830	Elev dif:	3
Elev miv:	827	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	44
Pct aq d:	27	Pct aq r:	100
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	43
Pct cm d:	57	Pct cm r:	0
Pct pcm:	13	Pct pcm d:	16
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	184
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:	50	Pct maq 4:	0
Pct cm 4:	50	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	100
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	80	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	20
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	100	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		

**D20
NW
1/2 - 1 Mile
Lower**

MI WELLS MI20071694

Wellid:	25000006334	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	JERRY MAI		
Well addr:	2381 EDWARDS		
Well depth:	205		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2082
Const date:	2000-05-04 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	155		
Screen frm:	0		
Screen to:	0		
Swl:	44		
Test depth:	205		
Test hours:	0		
Test rate:	30	Test methd:	Air
Grouted:	1	Pmp cpcity:	0
Latitude:	42.94099691		
Longitude:	-83.65800356		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	817	Elev dif:	817
Elev miv:	817	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	30
Pct aq d:	0	Pct aq r:	100
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:	70	Pct pcm d:	100
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	143
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:	100	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:	0	Pct pcm 4:	100
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	100	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	100
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:	.001		
Vert Conduct:	.001		
T2:	.123		
D50plek:	.05061		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

D21
NW
1/2 - 1 Mile
Lower

MI WELLS MI20073399

Wellid:	25000008501	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	Stefan Baier		
Well addr:	2366 Edwards Street		
Well depth:	130		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1607
Const date:	2002-07-19 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	120		
Screen frm:	120		
Screen to:	130		
Swl:	25		
Test depth:	130		
Test hours:	.5		
Test rate:	30	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.94085033		
Longitude:	-83.65845075		
Methd coll:	Address Matching-House Number		
Elevation:	817		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	817	Elev dif:	0
Elev miv:	817	Aq code:	Drift Well
Aq flag:	Not Reported	Pct aq:	12
Pct aq d:	12	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	69
Pct cm d:	69	Pct cm r:	0
Pct pcm:	19	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:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	15	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	105	A pct aq2:	14
A pct maq2:	0	A pct pcm2:	24
A pct cm2:	62	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Gravel
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	50	A sc lith2:	Sand
A sc lmod2:	Not Reported	A sc lmaq2:	AQ
A sc lpct2:	50	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:	25	Pct pcm 4:	75
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	50
Pct pcm 5:	50	Pct na 5:	0
Pct aq 6:	40	Pct maq 6:	0
Pct cm 6:	60	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	105		
Horiz Conduct:	9.52625		
Vert Conduct:	.00016		
T2:	1000.2565		
D50plek:	182.73254		

**22
NNW
1/2 - 1 Mile
Lower**

MI WELLS MI20067504

Wellid:	25000001250	Import id:	25067708001
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	SMITH, DAVID		
Well addr:	G-6044 S. DORT		
Well depth:	200		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	99
Const date:	1977-08-16 00:00:00.000	Case type:	Unknown
Case dia:	2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	140		
Screen frm:	0		
Screen to:	0		
Swl:	80		
Test depth:	110		
Test hours:	2		
Test rate:	10	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9431747182		
Longitude:	-83.6528663934		
Methd coll:	Interpolation-Map		
Elevation:	822		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	823	Elev dif:	1
Elev miv:	822	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	33
Pct aq d:	0	Pct aq r:	100
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	68
Pct cm d:	100	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:	135
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:	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

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:	.0001		
Vert Conduct:	.0001		
T2:	.0115		
D50plek:	.00584		

**F23
SSW
1/2 - 1 Mile
Higher**

MI WELLS MI20074618

Wellid:	25000010178	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	DEBBIE PROFFER		
Well addr:	7229 GREEN VALLEY		
Well depth:	225		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2082
Const date:	2002-09-17 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	150		
Screen frm:	0		
Screen to:	0		
Swl:	60		
Test depth:	225		
Test hours:	0		
Test rate:	30	Test methd:	Air
Grouted:	1	Pmp cpcity:	0
Latitude:	42.92227261		
Longitude:	-83.65464212		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	836	Elev dif:	836
Elev miv:	836	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	17
Pct aq d:	0	Pct aq r:	41
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	4

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	0	Pct cm r:	10
Pct pcm:	79	Pct pcm d:	100
Pct pcm r:	49	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	131
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:	100	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:	0	Pct pcm 4:	100
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	100	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	100
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:	.001		
Vert Conduct:	.001		
T2:	.111		
D50plek:	.04166		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

25
WSW
1/2 - 1 Mile
Higher

MI WELLS MI20072184

Wellid:	25000007009	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	AARON SNADER		
Well addr:	7076 PORTER ROAD		
Well depth:	240		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2152
Const date:	2000-08-15 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	199		
Screen frm:	0		
Screen to:	0		
Swl:	60		
Test depth:	70		
Test hours:	.5		
Test rate:	50	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.92736952		
Longitude:	-83.66269658		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	833	Elev dif:	833
Elev miv:	833	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	18
Pct aq d:	0	Pct aq r:	46
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	79
Pct cm d:	100	Pct cm r:	45
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	4
Pct na d:	0	Pct na r:	10
Pct flag:	Not Reported	Rock top:	148
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:	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:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	.0001		
Vert Conduct:	.0001		
T2:	.0128		
D50plek:	.00714		

**G26
North
1/2 - 1 Mile
Lower**

MI WELLS MI20075572

Wellid:	25000011614	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	9
Owner name:	Papa Johns/ Attorney Offices		
Well addr:	6044 S Saginaw St		
Well depth:	1		
Well type:	Type II public		
Wssn:	2154325		
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:	42.94368133		
Longitude:	-83.64946075		
Methd coll:	Address Matching-House Number		
Elevation:	804		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Well_Depth < 25 feet or Well_Depth > 1000 feet
Elev flag:	Not Reported		
Swl flag:	SWL = 0		
Elev dem:	813	Elev dif:	9
Elev miv:	804	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:	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		

F27
SSW
1/2 - 1 Mile
Higher

MI WELLS MI20072934

Wellid:	25000007919	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	CHRIS VANDERLAAG		
Well addr:	7219 GREEN VALLEY DR		
Well depth:	220		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1710
Const date:	2000-11-29 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	138		
Screen frm:	0		
Screen to:	0		
Swl:	50		
Test depth:	100		
Test hours:	2		
Test rate:	30	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.92207853		
Longitude:	-83.65492153		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	836	Elev dif:	836
Elev miv:	836	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	41
Pct aq d:	0	Pct aq r:	92
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	36

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	59	Pct cm r:	8
Pct pcm:	23	Pct pcm d:	41
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	122
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:	60	Pct pcm 4:	40
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	100	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:	.00054		
Vert Conduct:	.00018		
T2:	.0552		
D50plek:	.02052		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

H28
SW
1/2 - 1 Mile
Lower

MI WELLS MI20074877

Wellid:	25000010541	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	PATRICK ROSA		
Well addr:	7138 PORTER ROAD		
Well depth:	260		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2152
Const date:	2002-12-27 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	200		
Screen frm:	0		
Screen to:	0		
Swl:	60		
Test depth:	70		
Test hours:	.5		
Test rate:	50	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.92575309		
Longitude:	-83.66185185		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	830	Elev dif:	830
Elev miv:	830	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	27
Pct aq d:	6	Pct aq r:	67
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	71
Pct cm d:	94	Pct cm r:	28
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	2
Pct na d:	0	Pct na r:	6
Pct flag:	Not Reported	Rock top:	170
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:	50	Pct maq 4:	0
Pct cm 4:	50	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:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
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:	20.00009		
Vert Conduct:	.00011		
T2:	3000.014		
D50plek:	739.63804		

**I29
South
1/2 - 1 Mile
Higher**

MI WELLS MI20074625

Wellid:	25000010188	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	16
Owner name:	DON ROGERS		
Well addr:	7324 EMBURRY ROAD		
Well depth:	200		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1634
Const date:	2002-10-05 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	171		
Screen frm:	0		
Screen to:	0		
Swl:	55		
Test depth:	0		
Test hours:	0		
Test rate:	20	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	10
Latitude:	42.92118823		
Longitude:	-83.6473409		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	853	Elev dif:	853
Elev miv:	853	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	5
Pct aq d:	7	Pct aq r:	0
Pct maq:	8	Pct maq d:	0
Pct maq r:	27	Pct cm:	88
Pct cm d:	93	Pct cm r:	73
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:	145
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:	25
Pct maq 3:	0	Pct cm 3:	75
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	25	Pct maq 4:	0
Pct cm 4:	75	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:	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

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:	4.00009		
Vert Conduct:	.00011		
T2:	500.0115		
D50plek:	112.91747		

**H30
SW
1/2 - 1 Mile
Higher**

MI WELLS MI20074073

Wellid:	25000009404	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	BRIAN MILLER		
Well addr:	7163 PORTER ROAD		
Well depth:	240		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1936
Const date:	2002-01-26 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	200		
Screen frm:	0		
Screen to:	0		
Swl:	50		
Test depth:	70		
Test hours:	.5		
Test rate:	40	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.92528522		
Longitude:	-83.66177911		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	833	Elev dif:	833
Elev miv:	833	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	18
Pct aq d:	0	Pct aq r:	79
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	25

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	33	Pct cm r:	0
Pct pcm:	52	Pct pcm d:	67
Pct pcm r:	0	Pct na:	5
Pct na d:	0	Pct na r:	21
Pct flag:	Not Reported	Rock top:	184
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:	50
Pct pcm 1:	50	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:	20	Pct pcm 4:	80
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:	4
Pct pcm 7:	96	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:	.00698		
Vert Conduct:	.00032		
T2:	1.145		
D50plek:	.5113		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

31
North
1/2 - 1 Mile
Lower

MI WELLS MI20066352

Wellid:	25000000023	Import id:	25067709001
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	9
Owner name:	MORGAN CONSTRUCTION COMPANY		
Well addr:	3024 HILL		
Well depth:	220		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	99
Const date:	1985-11-11 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	140		
Screen frm:	0		
Screen to:	0		
Swl:	65		
Test depth:	90		
Test hours:	2		
Test rate:	33	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9441378911		
Longitude:	-83.6514888444		
Methd coll:	Interpolation-Map		
Elevation:	824		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	820	Elev dif:	4
Elev miv:	824	Aq code:	Rock Well
Aq flag:	Not Reported		
Pct aq d:	0	Pct aq:	36
Pct maq:	0	Pct aq r:	89
Pct maq r:	0	Pct maq d:	0
Pct cm d:	0	Pct cm:	5
Pct pcm:	59	Pct cm r:	11
Pct pcm r:	0	Pct pcm d:	100
Pct na d:	0	Pct na:	0
Pct flag:	Not Reported	Pct na r:	0
D r type:	Not Reported	Rock top:	130
A thicknes:	0	Spc cpcity:	0
A pct maq:	0	A pct aq:	0
A pct cm:	0	A pct pcm:	0
A thickns2:	0	A pct na:	0
A pct maq2:	0	A pct aq2:	0
A pct cm2:	0	A pct pcm2:	0
A hit swl:	F	A pct na2:	0
A hit rock:	F	A hit top:	F
A sc lmod1:	Not Reported	A sc lith1:	Not Reported
A sc lpct1:	0	A sc lmaq1:	Not Reported
A sc lmod2:	Not Reported	A sc lith2:	Not Reported
A sc lpct2:	0	A sc lmaq2:	Not Reported
Pct maq 1:	0	Pct aq 1:	0
Pct pcm 1:	100	Pct cm 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:	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:	0	Pct pcm 4:	100
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	100	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	100
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:	.01		
Vert Conduct:	.01		
T2:	1.1		
D50plek:	.33057		

**I32
South
1/2 - 1 Mile
Higher**

MI WELLS MI20074776

Wellid:	25000010393	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	16
Owner name:	PAUL HENDRICKSON		
Well addr:	3137 MCGREGOR		
Well depth:	260		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2152
Const date:	2002-11-11 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	187		
Screen frm:	0		
Screen to:	0		
Swl:	50		
Test depth:	70		
Test hours:	.5		
Test rate:	50	Test methd:	Air
Grouted:	1	Pmp cpcity:	12
Latitude:	42.92116938		
Longitude:	-83.6464351		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	850	Elev dif:	850
Elev miv:	850	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	34
Pct aq d:	0	Pct aq r:	81
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	58
Pct cm d:	100	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	8
Pct na d:	0	Pct na r:	19
Pct flag:	Not Reported	Rock top:	152
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:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
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:	.0001		
Vert Conduct:	.0001		
T2:	.0132		
D50plek:	.00756		

I33
South
1/2 - 1 Mile
Higher

MI WELLS MI20072707

Wellid:	25000007655	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	16
Owner name:	Raymond Foust		
Well addr:	7338 Embury		
Well depth:	260		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2152
Const date:	2000-11-01 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	172		
Screen frm:	0		
Screen to:	0		
Swl:	55		
Test depth:	70		
Test hours:	.5		
Test rate:	40	Test methd:	Air
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9210017		
Longitude:	-83.64798265		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	850	Elev dif:	850
Elev miv:	850	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	35
Pct aq d:	0	Pct aq r:	95
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	63

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	100	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	2
Pct na d:	0	Pct na r:	5
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
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:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
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:	.0145		
D50plek:	.00901		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

34
NW
1/2 - 1 Mile
Lower

MI WELLS MI20067505

Wellid:	25000001251	Import id:	25067708002
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	BOYD, CHARLES		
Well addr:	6161 PORTER		
Well depth:	240		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	99
Const date:	1983-07-18 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	180		
Screen frm:	0		
Screen to:	0		
Swl:	60		
Test depth:	90		
Test hours:	2		
Test rate:	33	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.940042344		
Longitude:	-83.6619124292		
Methd coll:	Interpolation-Map		
Elevation:	815		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	810	Elev dif:	5
Elev miv:	815	Aq code:	Rock Well
Aq flag:	Not Reported		
Pct aq d:	17	Pct aq:	38
Pct maq:	0	Pct aq r:	100
Pct maq r:	0	Pct maq d:	0
Pct cm d:	83	Pct cm:	63
Pct pcm:	0	Pct cm r:	0
Pct pcm r:	0	Pct pcm d:	0
Pct na d:	0	Pct na:	0
Pct na r:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	180
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

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:	0	Pct cm 5:	100
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	80	Pct maq 6:	0
Pct cm 6:	20	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
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:	37.50009		
Vert Conduct:	.00011		
T2:	6000.014		
D50plek:	1524.67303		

**J35
NNW
1/2 - 1 Mile
Lower**

MI WELLS MI20067509

Wellid:	25000001255	Import id:	25067708301
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	GRAND BLANC TOWNSHIP		
Well addr:	GRAND BLANC TWP NTL ESTS #3		
Well depth:	267		
Well type:	Type I public		
Wssn:	2745		
Well num:	GRAND BLANC TWP NTL ESTS #3	Miller 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:	42.9431965725		
Longitude:	-83.6569935778		
Methd coll:	Interpolation-Map		
Elevation:	818		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	SWL > Well Depth		
Elev dem:	813	Elev dif:	5
Elev miv:	818	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:	100
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	100	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	100
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	100	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	100
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	100	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	100
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	100	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	100

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:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

**K36
SSE
1/2 - 1 Mile
Higher**

MI WELLS MI20067546

Wellid:	25000001292	Import id:	25067716003
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	16
Owner name:	BAERLIN, RICK		
Well addr:	3148 MCGREGOR		
Well depth:	262		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1590
Const date:	1987-10-21 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	186		
Screen frm:	0		
Screen to:	0		
Swl:	75		
Test depth:	262		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9208443206		
Longitude:	-83.6459698893		
Methd coll:	Interpolation-Map		
Elevation:	853		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	850	Elev dif:	3
Elev miv:	853	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	8
Pct aq d:	0	Pct aq r:	21
Pct maq:	28	Pct maq d:	0
Pct maq r:	79	Pct cm:	64

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	100	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:	168
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:	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:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
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:	.0148		
D50plek:	.00936		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

J37
NNW
1/2 - 1 Mile
Lower

MI WELLS MI20073485

Wellid:	25000008630	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	Wolverine Homes		
Well addr:	6050 Lincoln Blvd		
Well depth:	130		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1607
Const date:	2002-06-11 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	120		
Screen frm:	120		
Screen to:	130		
Swl:	20		
Test depth:	129		
Test hours:	1		
Test rate:	50	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.94318603		
Longitude:	-83.65741995		
Methd coll:	Address Matching-House Number		
Elevation:	814		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	813	Elev dif:	1
Elev miv:	814	Aq code:	Drift Well
Aq flag:	Not Reported	Pct aq:	31
Pct aq d:	31	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	69
Pct cm d:	69	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	30	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	110	A pct aq2:	36
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	64	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	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:	50	Pct maq 4:	0
Pct cm 4:	50	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:	100	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	110		
Horiz Conduct:	54.54552		
Vert Conduct:	.00016		
T2:	6000.007		
D50plek:	1048.21154		

**J38
NNW
1/2 - 1 Mile
Lower**

MI WELLS MI20073052

Wellid:	25000008070	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	RICHARD KELLER		
Well addr:	6088 LINCOLN BLVD		
Well depth:	201		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2141
Const date:	2000-12-13 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	148		
Screen frm:	0		
Screen to:	0		
Swl:	30		
Test depth:	100		
Test hours:	2		
Test rate:	25	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.94336351		
Longitude:	-83.65731259		
Methd coll:	Interpolation-Map		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	817	Elev dif:	817
Elev miv:	817	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	49
Pct aq d:	30	Pct aq r:	88
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	51
Pct cm d:	70	Pct cm r:	11
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:	135
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:	25
Pct maq 5:	0	Pct cm 5:	75
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	100	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:	34.78267		
Vert Conduct:	.00015		
T2:	4000.0075		
D50plek:	745.27586		

**H39
SW
1/2 - 1 Mile
Higher**

MI WELLS MI20067554

Wellid:	25000001300	Import id:	25067717006
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	PRATT HOMES		
Well addr:	7182 PORTER		
Well depth:	260		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	169
Const date:	1978-09-05 00:00:00.000	Case type:	Unknown
Case dia:	2		
Case depth:	200		
Screen frm:	0		
Screen to:	0		
Swl:	81		
Test depth:	100		
Test hours:	2		
Test rate:	10	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9247934459		
Longitude:	-83.6622608513		
Methd coll:	Interpolation-Map		
Elevation:	840		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	836	Elev dif:	4
Elev miv:	840	Aq code:	Drift 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:	60

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	60	Pct cm r:	0
A pct pcm:	17	Pct pcm d:	17
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	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:	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:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	10	Pct pcm 8:	90
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

40
North
1/2 - 1 Mile
Lower

MI WELLS MI20067470

Wellid:	25000001215	Import id:	25067704002
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	4
Owner name:	AUKER, ELDON		
Well addr:	4139 HILL		
Well depth:	220		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	99
Const date:	1971-03-03 00:00:00.000	Case type:	Unknown
Case dia:	2		
Case depth:	181		
Screen frm:	0		
Screen to:	0		
Swl:	55		
Test depth:	84		
Test hours:	1		
Test rate:	10	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9447485725		
Longitude:	-83.6476053047		
Methd coll:	Interpolation-Map		
Elevation:	815		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	804	Elev dif:	11
Elev miv:	815	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	30
Pct aq d:	17	Pct aq r:	63
Pct maq:	11	Pct maq d:	0
Pct maq r:	38	Pct cm:	59
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:	156
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:	35	Pct maq 2:	0
Pct cm 2:	65	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:	52	Pct maq 6:	0
Pct cm 6:	48	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	28
Pct maq 7:	0	Pct cm 7:	72
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:	19.85302		
Vert Conduct:	.00012		
T2:	2700.0109		
D50plek:	606.76352		

**J41
NNW
1/2 - 1 Mile
Lower**

MI WELLS MI20072436

Wellid:	25000007324	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	KATHY CARLEY		
Well addr:	6100 LINCOLN BLVD		
Well depth:	200		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2152
Const date:	2000-08-30 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	154		
Screen frm:	0		
Screen to:	0		
Swl:	40		
Test depth:	50		
Test hours:	.25		
Test rate:	50	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.94337539		
Longitude:	-83.65788648		
Methd coll:	Interpolation-Map		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	813	Elev dif:	813
Elev miv:	813	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	25
Pct aq d:	0	Pct aq r:	40
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	71
Pct cm d:	100	Pct cm r:	53
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	5
Pct na d:	0	Pct na r:	7
Pct flag:	Not Reported	Rock top:	75
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:	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:	Y	Loc match:	Y
Aq code 1:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	.0001		
Vert Conduct:	.0001		
T2:	.0055		
D50plek:	.00148		

**L42
NW
1/2 - 1 Mile
Lower**

MI WELLS MI20074773

Wellid:	25000010390	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	DAVID WALTON		
Well addr:	6088 GROVE		
Well depth:	220		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2152
Const date:	2002-11-05 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	160		
Screen frm:	0		
Screen to:	0		
Swl:	40		
Test depth:	60		
Test hours:	.5		
Test rate:	30	Test methd:	Air
Grouted:	1	Pmp cpcity:	12
Latitude:	42.94236958		
Longitude:	-83.65994594		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	810	Elev dif:	810
Elev miv:	810	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	25
Pct aq d:	7	Pct aq r:	53
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	48

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	63	Pct cm r:	24
Pct pcm:	18	Pct pcm d:	30
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	135
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:	50
Pct maq 3:	0	Pct cm 3:	25
Pct pcm 3:	25	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	100
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	25
Pct pcm 5:	75	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:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	8.69606		
Vert Conduct:	.00017		
T2:	1000.0465		
D50plek:	200.09587		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

K43
South
1/2 - 1 Mile
Higher

MI WELLS MI20072033

Wellid:	25000006789	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	16
Owner name:	GARDNER EXCAVATING		
Well addr:	3240 PERRY CT.		
Well depth:	220		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1886
Const date:	2000-09-06 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	168		
Screen frm:	0		
Screen to:	0		
Swl:	51		
Test depth:	200		
Test hours:	2		
Test rate:	40	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.92020722		
Longitude:	-83.64655391		
Methd coll:	Interpolation-Map		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	853	Elev dif:	853
Elev miv:	853	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	26
Pct aq d:	0	Pct aq r:	77
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	74
Pct cm d:	100	Pct cm r:	23
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:	145
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:	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:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	.0001		
Vert Conduct:	.0001		
T2:	.0125		
D50plek:	.00683		

44
SSW
1/2 - 1 Mile
Higher

MI WELLS MI20067558

Wellid:	25000001304	Import id:	25067717011
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	NOVAK, DON		
Well addr:	7366 GREEN VALLEY		
Well depth:	240		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	283
Const date:	1986-06-05 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	142		
Screen frm:	0		
Screen to:	0		
Swl:	70		
Test depth:	80		
Test hours:	1		
Test rate:	50	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9201812916		
Longitude:	-83.6534963208		
Methd coll:	Interpolation-Map		
Elevation:	833		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	830	Elev dif:	3
Elev miv:	833	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	42
Pct aq d:	0	Pct aq r:	96
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	50
Pct cm d:	85	Pct cm r:	4
Pct pcm:	8	Pct pcm d:	15
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	135
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:	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:	60	Pct pcm 6:	40
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:	.00182		
Vert Conduct:	.00012		
T2:	.2095		
D50plek:	.07643		

**L45
NW
1/2 - 1 Mile
Lower**

MI WELLS MI20075799

Wellid:	25000011923	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	8
Owner name:	SHEILA RHODES		
Well addr:	6058 GROVE		
Well depth:	220		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2152
Const date:	2003-09-20 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	160		
Screen frm:	0		
Screen to:	0		
Swl:	50		
Test depth:	60		
Test hours:	.5		
Test rate:	40	Test methd:	Air
Grouted:	1	Pmp cpcity:	12
Latitude:	42.94283181		
Longitude:	-83.65989543		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	810	Elev dif:	810
Elev miv:	810	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	34
Pct aq d:	8	Pct aq r:	72
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	66

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	92	Pct cm r:	28
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:	130
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:	50
Pct maq 3:	0	Pct cm 3:	50
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:	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:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	9.091		
Vert Conduct:	.00011		
T2:	1000.01		
D50plek:	191.38943		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

46
WSW
1/2 - 1 Mile
Higher

MI WELLS MI20071468

Wellid:	25000006032	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	RAYMOND WITHEY		
Well addr:	7121 RIEGLER STREET		
Well depth:	280		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2203
Const date:	2000-02-03 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	230		
Screen frm:	0		
Screen to:	0		
Swl:	65		
Test depth:	75		
Test hours:	.5		
Test rate:	70	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.9271936		
Longitude:	-83.66545858		
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:	833	Elev dif:	833
Elev miv:	833	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	9
Pct aq d:	0	Pct aq r:	15
Pct maq:	10	Pct maq d:	0
Pct maq r:	18	Pct cm:	81
Pct cm d:	100	Pct cm r:	67
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:	123
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:	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:	.0103		
D50plek:	.00476		

**47
NE
1/2 - 1 Mile
Lower**

MI WELLS MI20067511

Wellid:	25000001257	Import id:	25067709002
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	9
Owner name:	WRINKLE, LOYAL		
Well addr:	3464 ESSON		
Well depth:	200		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1876
Const date:	1987-04-11 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	120		
Screen frm:	0		
Screen to:	0		
Swl:	40		
Test depth:	50		
Test hours:	2		
Test rate:	30	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9402138214		
Longitude:	-83.6350512607		
Methd coll:	Interpolation-Map		
Elevation:	820		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	817	Elev dif:	3
Elev miv:	820	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	40
Pct aq d:	9	Pct aq r:	78
Pct maq:	5	Pct maq d:	0
Pct maq r:	11	Pct cm:	24
Pct cm d:	34	Pct cm r:	11
Pct pcm:	32	Pct pcm d:	57
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	110
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:	75
Pct pcm 1:	25	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:	50	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	50
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	100	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:	33.3948		
Vert Conduct:	.0004		
T2:	3005.5322		
D50plek:	444.55798		

**48
ENE
1/2 - 1 Mile
Lower**

MI WELLS MI20072192

Wellid:	25000007017	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	9
Owner name:	JEFF BARAT		
Well addr:	3504 KIRKEY STREET		
Well depth:	180		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	482
Const date:	2000-09-01 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	100		
Screen frm:	0		
Screen to:	0		
Swl:	30		
Test depth:	4		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	12
Latitude:	42.9393497		
Longitude:	-83.63420566		
Methd coll:	Interpolation-Map		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	810	Elev dif:	810
Elev miv:	810	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	34
Pct aq d:	0	Pct aq r:	58
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	52

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	100	Pct cm r:	19
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	14
Pct na d:	0	Pct na r:	24
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
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
Within sec:	Y	Loc match:	Y
Aq code 1:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	.0001		
Vert Conduct:	.0001		
T2:	.0054		
D50plek:	.00144		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

49
South
1/2 - 1 Mile
Higher

MI WELLS MI20067547

Wellid:	25000001293	Import id:	25067716004
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	16
Owner name:	PECK, TED		
Well addr:	7361 EMBURY		
Well depth:	300		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1710
Const date:	1987-12-29 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	183		
Screen frm:	0		
Screen to:	0		
Swl:	60		
Test depth:	100		
Test hours:	2		
Test rate:	30	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9194835098		
Longitude:	-83.646918345		
Methd coll:	Interpolation-Map		
Elevation:	854		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	853	Elev dif:	1
Elev miv:	854	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	16
Pct aq d:	0	Pct aq r:	39
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	79
Pct cm d:	92	Pct cm r:	61
Pct pcm:	5	Pct pcm d:	8
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	177
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:	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:	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:	40
Pct pcm 7:	60	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:	.00964		
Vert Conduct:	.00011		
T2:	1.5142		
D50plek:	.63255		

51
SSW
1/2 - 1 Mile
Lower

FRDS PWS MI0003663

PWS ID: MI0003663
 Date Initiated: 7308 Date Deactivated: Not Reported
 PWS Name: GRAND BLANC TWP
 G 5375 SOUTH SAGINAW ST
 FLINT, MI 48507

Addressee / Facility: System Owner/Responsible Party
 KNOLLWOOD APTS
 KNOLLWOOD
 FLINT, MI 48507

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility Latitude:	43 00 45	Facility Longitude:	083 41 15
Facility Latitude:	42 55 10	Facility Longitude:	083 39 20
City Served:	GRAND BLANC TWP		
Treatment Class:	Untreated	Population:	00000750

Violations information not reported.

**M52
SSE
1/2 - 1 Mile
Higher**

MI WELLS MI20073763

Wellid:	25000008987	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	16
Owner name:	VALETTA CALDER		
Well addr:	3238 GRAND BLANC RD		
Well depth:	280		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1893
Const date:	2001-08-29 00:00:00.000	Case type:	Steel-black
Case dia:	5		
Case depth:	205		
Screen frm:	0		
Screen to:	0		
Swl:	75		
Test depth:	280		
Test hours:	2		
Test rate:	100	Test methd:	Air
Grouted:	1	Pmp cpcity:	12
Latitude:	42.91950378		
Longitude:	-83.64323586		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	850	Elev dif:	850
Elev miv:	850	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	13
Pct aq d:	5	Pct aq r:	28
Pct maq:	30	Pct maq d:	11
Pct maq r:	72	Pct cm:	27
Pct cm d:	39	Pct cm r:	0
Pct pcm:	30	Pct pcm d:	45
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	190
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	50
Pct cm 4:	50	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	50	Pct cm 5:	0
Pct pcm 5:	50	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	100
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	100	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:	6.47067		
Vert Conduct:	.00012		
T2:	1100.014		
D50plek:	323.7182		

**M53
SSE
1/2 - 1 Mile
Higher**

MI WELLS MI20067545

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid:	25000001291	Import id:	25067716002
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	16
Owner name:	DURHAM, PAULINE		
Well addr:	3252 E. GRAND BLANC		
Well depth:	280		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	169
Const date:	1985-07-07 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	200		
Screen frm:	0		
Screen to:	0		
Swl:	60		
Test depth:	100		
Test hours:	2		
Test rate:	50	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9196881108		
Longitude:	-83.6421560267		
Methd coll:	Interpolation-Map		
Elevation:	849		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	846	Elev dif:	3
Elev miv:	849	Aq code:	Rock Well
Aq flag:	Not Reported		
Pct aq d:	21	Pct aq:	21
Pct maq:	0	Pct aq r:	23
Pct maq r:	0	Pct maq d:	0
Pct cm d:	69	Pct cm:	71
Pct pcm:	7	Pct cm r:	77
Pct pcm r:	0	Pct pcm d:	10
Pct na d:	0	Pct na:	0
Pct flag:	Not Reported	Pct na r:	0
D r type:	Not Reported	Rock top:	192
A thicknes:	0	Spc cpcity:	0
A pct maq:	0	A pct aq:	0
A pct cm:	0	A pct pcm:	0
A thickns2:	0	A pct na:	0
A pct maq2:	0	A pct aq2:	0
A pct cm2:	0	A pct pcm2:	0
A hit swl:	F	A pct na2:	0
A hit rock:	F	A hit top:	T
A sc lmod1:	Not Reported	A sc lith1:	Not Reported
A sc lpct1:	0	A sc lmaq1:	Not Reported
A sc lmod2:	Not Reported	A sc lith2:	Not Reported
A sc lpct2:	0	A sc lmaq2:	Not Reported
Pct maq 1:	0	Pct aq 1:	0
Pct pcm 1:	0	Pct cm 1:	100
Pct aq 2:	0	Pct na 1:	0
Pct cm 2:	100	Pct maq 2:	0
Pct na 2:	0	Pct pcm 2:	0
Pct maq 3:	0	Pct aq 3:	0
Pct pcm 3:	0	Pct cm 3:	100
Pct aq 4:	0	Pct na 3:	0
Pct cm 4:	100	Pct maq 4:	0
Pct na 4:	0	Pct pcm 4:	0
Pct maq 5:	0	Pct aq 5:	0
Pct pcm 5:	0	Pct cm 5:	100
		Pct na 5:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	28
Pct pcm 7:	72	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:	23.26751		
Vert Conduct:	.00015		
T2:	4002.0112		
D50plek:	1115.20411		

**M54
SSE
1/2 - 1 Mile
Higher**

MI WELLS MI20073829

Wellid:	25000009073	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	16
Owner name:	Not Reported		
Well addr:	3238 E GRAND BLANC RD		
Well depth:	204		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1893
Const date:	2001-08-23 00:00:00.000	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:	42.91937064		
Longitude:	-83.643241		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	SWL = 0		
Elev dem:	850	Elev dif:	850
Elev miv:	850	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	2
Pct aq d:	3	Pct aq r:	0
Pct maq:	17	Pct maq d:	11
Pct maq r:	100	Pct cm:	34
Pct cm d:	37	Pct cm r:	0
Pct pcm:	47	Pct pcm d:	50
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	190
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:	50
Pct cm 4:	50	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	50	Pct cm 5:	0
Pct pcm 5:	50	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	100
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	100	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:	3.53008		
Vert Conduct:	.00013		
T2:	600.1135		
D50plek:	182.46885		

55
WSW
1/2 - 1 Mile
Higher

MI WELLS MI20074876

Wellid:	25000010540	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	ROSA KELLER		
Well addr:	7194 RIEGLER		
Well depth:	280		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2152
Const date:	2003-02-03 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	220		
Screen frm:	0		
Screen to:	0		
Swl:	65		
Test depth:	75		
Test hours:	.5		
Test rate:	50	Test methd:	Air
Grouted:	1	Pmp cpcity:	0
Latitude:	42.92489783		
Longitude:	-83.66560156		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	840	Elev dif:	840
Elev miv:	840	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	36
Pct aq d:	19	Pct aq r:	92
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	63
Pct cm d:	81	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	2
Pct na d:	0	Pct na r:	8
Pct flag:	Not Reported	Rock top:	215
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	40
Pct maq 7:	0	Pct cm 7:	60
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	46	Pct maq 8:	0
Pct cm 8:	54	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:	20.5129		
Vert Conduct:	.00013		
T2:	4000.0155		
D50plek:	1263.73104		

56
 NNE
 1/2 - 1 Mile
 Lower

MI WELLS MI20074239

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid:	25000009651	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	9
Owner name:	GARY POTTER		
Well addr:	3454 E. HILL RD.		
Well depth:	190		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2152
Const date:	2002-04-26 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	120		
Screen frm:	0		
Screen to:	0		
Swl:	50		
Test depth:	60		
Test hours:	.5		
Test rate:	18	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.94481417		
Longitude:	-83.63971971		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	817	Elev dif:	817
Elev miv:	817	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	37
Pct aq d:	0	Pct aq r:	70
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	45
Pct cm d:	67	Pct cm r:	25
Pct pcm:	16	Pct pcm d:	33
Pct pcm r:	0	Pct na:	3
Pct na d:	0	Pct na r:	5
Pct flag:	Not Reported	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:	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:	0	Pct pcm 4:	100
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	.00434		
Vert Conduct:	.00017		
T2:	.304		
D50plek:	.06515		

57
North
1/2 - 1 Mile
Lower

MI WELLS MI20066347

Wellid:	25000000018	Import id:	25067705010
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	5
Owner name:	LOU DORTCH		
Well addr:	P.O. BOX 76		
Well depth:	240		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	283
Const date:	Not Reported	Case type:	Unknown
Case dia:	4		
Case depth:	140		
Screen frm:	0		
Screen to:	0		
Swl:	70		
Test depth:	70		
Test hours:	1		
Test rate:	50	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9467041366		
Longitude:	-83.6519433033		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Methd coll:	Interpolation-Map		
Elevation:	819		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	817	Elev dif:	2
Elev niv:	819	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	42
Pct aq d:	0	Pct aq r:	100
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	58
Pct cm d:	100	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:	140
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:	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

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:	.012		
D50plek:	.00633		

58
WSW
1/2 - 1 Mile
Lower

MI WELLS MI20073559

Wellid:	25000008733	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	TROY BRANCHEAU		
Well addr:	7041 ANNA		
Well depth:	280		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1710
Const date:	2001-10-18 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	230		
Screen frm:	0		
Screen to:	0		
Swl:	40		
Test depth:	100		
Test hours:	2		
Test rate:	25	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.92861344		
Longitude:	-83.66808876		
Methd coll:	A5		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	827	Elev dif:	827
Elev miv:	827	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	24
Pct aq d:	0	Pct aq r:	100
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	50
Pct cm d:	66	Pct cm r:	0
Pct pcm:	26	Pct pcm d:	34
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	213
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	60
Pct pcm 7:	40	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	100
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:	.00044		
Vert Conduct:	.00015		
T2:	.085		
D50plek:	.05704		

59
WSW
1/2 - 1 Mile
Higher

MI WELLS MI20074237

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid:	25000009648	Import id:	Not Reported
County:	Genesee	Township:	Grand Blanc
Town range:	06N 07E	Section:	17
Owner name:	MR. & MRS. WILSON		
Well addr:	2150 NEEPER		
Well depth:	260		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2152
Const date:	2002-04-26 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	227		
Screen frm:	0		
Screen to:	0		
Swl:	55		
Test depth:	75		
Test hours:	.5		
Test rate:	40	Test methd:	Air
Grouted:	1	Pmp cpcity:	10
Latitude:	42.92632573		
Longitude:	-83.66699754		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	833	Elev dif:	833
Elev miv:	833	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	22
Pct aq d:	5	Pct aq r:	67
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	38
Pct cm d:	53	Pct cm r:	0
Pct pcm:	31	Pct pcm d:	42
Pct pcm r:	0	Pct na:	9
Pct na d:	0	Pct na r:	33
Pct flag:	Not Reported	Rock top:	190
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:	50	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	50
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	100	Pct na 5:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	100
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	100	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:	5.88711		
Vert Conduct:	.00021		
T2:	1000.808		
D50plek:	296.00711		

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	48439	0	3/21/88	LT 0.5			
Random	48439	1	3/23/88	LT 0.5			
Random	48439		4/16/87	1.0	28.7%		
Random	48439	0	10/30/87	1.2	18.1%		
Random	48439	0	3/17/88	1.9	16.6%	1.6	16.4%
Random	48439	0	3/13/88	2.7	8.0%		
Geographic	48439	0	4/28/88	1.9	14.0%		
Geographic	48439	0	4/8/88	2.5	9.4%		

State Database: MI Radon

Radon Test Results

Zip	Less than sign	Pci/L
48439		1.70
48439		2.80
48439		1.20
48439		1.20
48439		0.70
48439	<	0.30
48439		4.60
48439		0.50
48439		0.70
48439		1.00
48439		12.50
48439		1.30
48439		4.10
48439		4.20
48439	<	0.30
48439		3.30
48439	<	0.30
48439		1.60
48439		3.70
48439		3.30
48439		2.50
48439		4.90
48439		1.10
48439		1.40
48439		2.00
48439		0.80
48439		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

48439		1.60
48439		3.50
48439		1.50
48439		0.50
48439		3.70
48439		2.00
48439		1.30
48439		3.30
48439		7.70
48439		11.40
48439	<	0.30
48439		1.80
48439		2.60
48439		3.40
48439		2.60
48439		3.00
48439		2.90
48439		1.00
48439		0.90
48439		0.50
48439		1.60
48439		4.70
48439		1.30
48439		1.90
48439		1.00
48439		1.60
48439		2.80
48439		0.80
48439	<	0.30
48439		1.80
48439		1.40
48439		0.70
48439		5.00
48439		1.90
48439		17.30
48439		2.00
48439		1.80
48439		0.90
48439		2.90
48439		1.70
48439		0.70
48439		0.70
48439		0.70
48439		0.80
48439		3.50
48439		6.00
48439		4.20
48439		1.90
48439		5.80
48439		3.40
48439		2.60
48439		3.70
48439		2.20
48439		7.50
48439	<	0.30
48439		2.40
48439		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

		1.90
48439		0.80
48439		2.30
48439		2.00
48439		1.30
48439		1.10
48439		2.30
48439		3.30
48439		2.40
48439		2.70
48439		6.80
48439		5.50
48439		0.90
48439		2.50
48439		1.70
48439		1.50
48439		1.10
48439		3.00
48439		2.60
48439		9.40
48439	<	0.30
48439		0.80
48439		0.60
48439	<	0.30
48439		1.50
48439		1.00
48439		0.60
48439		0.80
48439		15.10
48439		6.50
48439		1.00
48439	<	0.30
48439		2.60
48439		0.60
48439		3.40
48439		4.40
48439	<	0.30
48439		8.30
48439		14.80
48439		2.20
48439		5.00
48439		1.00
48439		1.20
48439		2.50
48439		1.50
48439		7.90
48439		6.60
48439		0.70
48439	<	0.30
48439		1.60
48439		1.60
48439		2.60
48439		2.20

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

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.

Federal Area Radon Information for Zip Code: 48439

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.420 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

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Personnel Resumes

Scott L. Cormier, PE

Vice President

TECHNICAL EXPERTISE

Process design

Hydraulics

Storm water management

Phase I site assessments and compliance audits

Hazardous programs (RCRA, CERCLA, state)

Asbestos abatement inspection and design

Aboveground and underground storage facilities testing, design and management

Demolition/deactivation

PROJECT ASSIGNMENT

YEARS OF EXPERIENCE

With O'Brien & Gere: 24

With Other Firms: 0

EDUCATION

BS/1986/Civil Engineering; Worcester Polytechnic Institute

PROFESSIONAL REGISTRATION

Professional Engineer: IL, IN, KY, MI, OH, OK

Certified Underground Storage Tank Professional

PROFESSIONAL AFFILIATION

American Society of Civil Engineers, Michigan Southeast Section

National Society of Professional Engineers

Mr. Cormier has more than 24 years of professional engineering and construction management experience. As Vice President with O'Brien & Gere, and a member of the Environmental Solutions Business Unit, he is responsible for the operation of the firm's Michigan office and for the strategic expansion of environmental services in the Midwest. Mr. Cormier is the practice leader for facility deactivation and demolition programs, and is a leader of the RCRA marketing task force, which was instrumental in selection for several industrial remediation projects.

REPRESENTATIVE PROJECTS

Asbestos Evaluation and Remediation

Asbestos Inspection, Farmington, MI, Project Engineer –

Performed an asbestos inspection and underground storage vault sampling prior to demolition of a cooling tower building. Project included bulk sampling of thermal insulation, vault sampling and analysis, and recommendations for removal and closure.

Harvard Medical School, Asbestos Program, Boston, MA, Project Engineer –

Developed drawings and specifications for asbestos abatement project within mechanical rooms and a tunnel system. The design included glove bagging removal, work zone removal and encapsulating techniques. Follow through with air monitoring and construction inspection are included throughout the project.

Asbestos Abatement, Canton/Wrentham, MA, Project Engineer –

Designed asbestos abatement projects at a hospital school (16 buildings) and a state school (16 buildings). Both projects included coordination of utility shut downs, work zone locations, HEPA filtering and disposal in accordance with all federal, state and local regulations.

Manufacturing Facility, Columbia, MD –

Coordinated an asbestos survey of process equipment in a 1,200,000 ft² as part of a closure plan. Provided design and bid assistance services prior to removal of asbestos. Performed construction inspection and provided contract administration, utilizing an outside air monitoring firm throughout asbestos removal.

Manufacturing Facility, Merrimack, NH –

Performed asbestos consulting services. Work included regulatory coordination, recommendations for asbestos remedial techniques, and regulation interpretation.

Essex Agricultural and Technical Institute, Danvers, MA – Prepared a specification and assisted in preparation of an AHERA management plan for twelve buildings on campus. Project included bulk sampling, asbestos materials damage assessment, removal and maintenance recommendations and awareness training for the school maintenance staff.

VA Medical Center, Northampton, MA – Performed bulk sampling of building materials associated with renovation of a gas distribution system.

Naval/Marine Corps Recruitment Center (NMCRC), New Haven, CT – Coordinated an asbestos inspection. Project included bulk sampling and analysis of suspect asbestos containing fire wall, pipe insulation and boiler insulation materials. Prepared an asbestos survey report.

Manufacturing Facility, Pawtucket, RI – Performed asbestos survey, design and construction inspection services for a 100,000 square foot facility. Project included bulk sampling, assessment of condition of all suspected asbestos-containing-material, preparing technical specifications and design drawings. Provided air monitoring and analysis and construction inspection during remediation.

Corporate Facility, Fall River, MA – Performed an asbestos inspection and design services. Project included securing bulk samples, producing drawings, setting up work zones, preparing technical specifications and recommendations for abatement. Air sampling during analysis was conducted for the projects involving asbestos removal and disposal.

Avon Public School System, Avon, MA – Performed asbestos inspection, in accordance with AHERA (40 CFR Part 763) for three schools. Project included bulk sampling, recommendations for abatement actions, cost estimating and developing an operations and maintenance program as part of the Management Plans for each school.

Millbury Public School System, Millbury, MA – Performed AHERA asbestos inspections for four schools. Project included preparation of four Management Plans incorporating bulk sampling, abatement recommendations, cost estimates and development of operations and maintenance plans.

Lynnfield Public School System, Lynnfield, MA – Performed asbestos inspections in accordance with AHERA. Project included preparation of a Management Plan for each school building, including

securing bulk samples of suspect material, recommending abatement action, cost estimating and developing operations and maintenance plans.

Steel Manufacturing Facility, Worcester, MA – Prepared design drawings and technical specifications for three buildings. Project included additional bulk and air sampling and contract administration design services.

Massachusetts Department of Environmental Management (DEM), Lynn, MA – Performed air monitoring and inspection services associated with an asbestos removal project. Environmental and clearance air samples were collected for the duration of construction.

Water/Storm Water Management

Eastman Gelatin Company, Water Treatment System, Peabody, MA, Lead Design Engineer – Completed design, construction inspection, and O&M Manual for a high purity water treatment system which included piping modifications to the existing system and a hydraulic analysis of a looped distribution piping network to obtain consistent demand flows. Process equipment included ion exchange units, acid and caustic regeneration units, multi-media and cartridge filters, degasifier, and ultraviolet sterilizers. Developed an operation and maintenance manual for the entire design system. Completed design of a new low iron water supply system using fiberglass, lined, and stainless steel piping. This included supplying more flow to the existing distribution system, providing maximum storage space between two storage tanks, designing an overflow weir transfer and discharge scheme, and developing a new looped distribution system with the ability to use the existing operating scheme. Produced an operation and maintenance manual for operating the existing system in conjunction with the new.

Metropolitan St. Louis Sewer District, Storm Water, St. Louis, MO – Assisted with design of a storm water collection and distribution system.

Storm Water Permitting Program, Cambridge, MA – Directed an individual storm water permitting program for a corporate office. Project includes inventory, mapping and sampling for facilities located in Cambridge, MA; Westminster, MA; Roseville, MI; Mountainside, NJ and Union, SC.

Major Chemical Manufacturer, Everett, MA – Managed an individual storm water permit program.

Project includes inventory site walkthroughs, mapping, surface runoff estimating and storm water/non-storm water sampling and analysis.

Industrial Facility, Raynham, MA – Performing a storm water permit applicability program. Project includes EPA/DEP coordination, site walkthroughs and regulatory interpretation.

Major Electronics Industry, Brighton, MA – Directed an individual storm water permit program.

Industrial Manufacturing Facilities, Warren, Titusville, Williamsport, PA – Directed the preparation of individual storm water permit applications. Projects included storm water sampling, permitting and regulatory coordination.

Manufacturing Facility, Humacao, Puerto Rico – Directed the preparation of an individual storm water permit application and exemption notification.

Electronics Manufacturing Facility, Gurabo, Puerto Rico – Directed the preparation of a general permit application. Project included preparation of a storm water pollution prevention plan.

Automobile Manufacturing Facility, Flint, MI – Assisted with an individual permit program. Project included an assessment of materials storage, inventory, utility mapping, sampling and analysis and permit application preparation.

Wastewater Management

Automotive Manufacturer, Storm Sewer Bar Screen System, Flint, MI, Lead Design Engineer – Designed an in-line underground vault/mechanical bar screen system for storm sewer, prior to waste oil removal. Installation was completed by UAW trades under the direction of the manufacturer.

South Essex Sewer District, Salem, MA, Design Engineer – Assisted in an evaluation of operation and maintenance of the South Essex Sewage treatment plant. Project included an assessment of influent and effluent pumping facilities, grease and grit chambers, sludge and scum handling, thickening and dewatering facilities, disinfection facilities, and odor control problems.

Deer Island Sewerage Treatment Plant, Boston, MA, Design Engineer – Assisted in evaluation of digester system operation. Work included calculating sludge and scum loads, assessing hydraulics of process equipment, process design and

recommending alternative operation and maintenance techniques.

Boston Water and Sewer Commission, Boston, MA –

Performed an assessment of alternatives for BWSC to comply with proposed NPDES permitting of combined sewer overflow outfall. Project included research of available technologies for flow measurement and sewerage water quality monitoring, coordination of compliance techniques for over 50 outfalls and preparation of alternative cost estimates.

Performed inspections of the facilities tidegate structures. Project included documenting existing conditions, evaluating design alternatives and assistance throughout design for replacing the tidegates.

Department of the Navy, Naval Facilities Engineering Command, Philadelphia, PA; NSGA, Winter Harbor, ME – Evaluated the RBC sewage treatment plant for compliance with the State of Maine NPDES effluent limits. The project included influent/effluent continuous sampling and analysis, flow monitoring, hydraulic sizing and future population increases to identify deficiencies and recommend process and operational changes.

Department of the Navy, Naval Facilities Engineering Command, Philadelphia, PA; NAS, South Weymouth, MA – Assisted with preliminary and final design of a sewage lift station. Project included asbestos removal, demolition of existing facilities, installation of a new comminutor, increased wet well capacity and two new submersible pumping systems.

Water Resources

Phase I dam inspections, Eastern Massachusetts – Inspections include: assessing the need for remedial action; identifying extent and nature of problems; assessing extent of repairs; and recommending actions to be implemented.

Private Homeowner, West Stockbridge, MA – Performed an emergency dam inspection. Some recommendations included immediate drawn down, inflow and outflow control capability and increased slope stability, etc.

Hazardous Waste Management

Automotive Manufacturer, Leachate Force Main and Hazardous Waste Storage Facility, Flint, MI,

Project Manager – Directed design, bidding, and construction management of a landfill leachate force main and hazardous waste storage facility, including piping reroutes, pumping automation, leak detection systems, storage building and tank, and continuous pH monitoring.

Solutia, Inc., Design of a RCRA Landfill Cap, Trenton, MI, Project Manager – Established a basis of design to complete construction of a synthetic cap for a 17-acre area at the manufacturing facility in accordance with the Resource, Conservation, and Recovery Act (RCRA) Corrective Action Program. The purpose of the cap was to minimize stormwater penetration, direct stormwater to two NPDES permitted discharge points and away from an on-site pond, and to support redirection of groundwater flow into the adjacent Detroit River. Completion of the cap was conducted as part of a RCRA Voluntary Corrective Action measure, under a Consent Order negotiated with the Michigan Department of Environmental Quality (MDEQ). Also provided limited construction inspection for Phase I, consisting of construction work related to the perimeter access road and a buffer zone of trees for leachate/drainage control. Coordinated contractor bidding including pre-bid meetings, addenda preparation, bid review, and recommendation for award. On-site design support was provided during the initial planning stages for piping relocation and site preparation activities.

BASF Corporation, RCRA Corrective Action Program, Detroit, MI, Project Manager – Directed a design-build closure project for an inactive RCRA hazardous waste storage pad as part of the facility's RCRA Corrective Action program. Activities included pre-assessment sampling and analysis, equipment decontamination, dismantling and disposal, pad decontamination, verification sampling/analysis and reporting, and negotiations with State regulators (Michigan Department of Environmental Quality).

Stanley Tools, Georgetown, OH – In preparation for plant shutdown due to consolidation, directed the overall site management activities for the environmental reporting, compliance evaluations, and deactivation issues. Services included Air emissions reporting, permitting, and SARA 312 filing, wastewater sampling and reporting for compliance with Ohio and local discharges, annual hazardous waste reporting, evaluating land disposal issues, and waste characterization.

Tier 1 Automotive Supplier, Archbold, OH – Directed soil and groundwater sampling following excavation for pit installations to evaluate the potential for impacts from former operations. The results of the sampling were incorporated into a site wide subsurface evaluation for compliance with Ohio standards. The Ohio EPA Voluntary Action Program (VAP) criteria were used as the basis for evaluating potential impacts, determining the need for additional investigations and recommendations for remedial options.

Tier 1 Automotive Supplier, New Lexington, OH – Directed a site wide subsurface investigation of the manufacturing facility as part of an overall corporate auditing program. The project included preparation of a sampling and analysis plan, implementation of soil and groundwater sampling, and evaluation of analytical results in accordance with the Ohio EPA Voluntary Action Program (VAP). The VAP evaluation incorporated discussion with Ohio EPA officials, recommendations regarding notifications and waste disposal, and determining areas of concern due to analytical results. Recommendations for additional investigation and evaluating interim remedial options were also included.

Tier 1 Automotive Supplier, Springfield, OH – Directed a hydrogeological investigation to assess groundwater quality in an area at the manufacturing facility suspected to be the source of impact. The project included installation of groundwater monitoring wells, analytical evaluation compared to the Ohio EPA Voluntary Action Program (VAP) and recommendations for future remedial efforts/monitoring.

Ford Motor Company, Landfill Closure, Canton, OH, Project Director – Directed design-build removal, disposal, site restoration, and closure reporting of approximately 100,000 cubic yards of industrial wastes formerly disposed in an offsite landfill. The project included construction management, contracting, waste characterization, coordination and negotiations with waste transporters and disposal facilities, air monitoring during construction, local and Ohio EPA negotiations for closure criteria in accordance with the Ohio EPA Voluntary Action Program (VAP). Closure sampling and reporting included a statistically representative random sampling program, as approved by the Ohio EPA, following removal of the wastes.

Ford Motor Company, Subsurface Investigation, Canton, OH, Project Director – Performed a subsurface investigation was completed following waste removal to evaluate the potential for offsite impacts, obtain local hydrogeologic characteristics to focus the investigative efforts, nested wells to evaluate two separate local aquifers and comparison to Ohio EPA VAP requirements to substantiate closure.

Automotive Dealership, Fairborn, OH – Directed an investigation at the property to evaluate potential sources of petroleum compounds in soil and groundwater. Soil and groundwater samples were collected and analyzed using an on-site mobile laboratory to determine the extent of impact. The results were compared to Ohio EPA cleanup criteria guidance and remedial options were evaluated/recommended. Based on the recommendations, the likely sources of impacts to the subsurface (lift hoists, waste oil USTs, and sumps) were either removed or upgraded. Impacted soils were also excavated and disposed to limit future source releases. A Closure Report, including the investigation results was submitted to Ohio EPA.

Commercial Retail Facility, UST Program, Toledo, OH, Project Director – Directed turnkey design-build services for abandoning two underground storage tanks and installing a new fuel oil aboveground storage and dispenser system. The UST abandonment phase was performed in accordance with Ohio EPA BUSTR requirements and the aboveground storage system was designed as approved by the local and state fire marshall ordinance, including high level alarms, seasonal insulation, heating availability and secondary containment.

Directed three RI/FS investigations for an industrial and municipal landfill in a residential neighborhood in Flint, Michigan and developed three Remedial Action Plans (RAP) in accordance with MDEQ guidelines and CERCLA requirements. The RI/FS phases and the RAPs incorporated delineation of fill materials, lead, arsenic, BTEX and PNAs in the surface soil and subsurface along with human health risk assessments for providing defensible data for litigation purposes. The programs also included remedial design and implementation of three Interim Remedial Measures (IRMs) associated with drum removal, installation of a soil cover over the site, and removal/covering of lead impacted surface and subsurface soil on residential properties. Excavation

activities incorporated on-site X-Ray Fluorescence (XRF) analysis for clean closure.

Automotive Manufacturer, RCRA Closure, Flint, MI, Manager – Managed a RCRA closure for several regulated lagoons and solid waste management units under a Michigan Consent Order associated with electroplating sludges. The program included sampling and analysis to support delisting of the material as a non-hazardous waste, remedial design, bidding assistance, oversight of construction activities during material removal and disposal of 65,000 tons of material, negotiations with the State for health based cleanup standards in lieu of background, statistical analysis to establish clean up levels, and final grading design for on-site closure.

Automotive Industry, Closure Program, Sterling Heights, MI, Project Manager – Managed a site-wide investigation associated with 30 acres of abandoned lagoons. Project included soil boring and monitoring well investigations, surface water sampling, evaluation of remedial options and closure to MDEQ industrial generic criteria associated with petroleum, metals, and solvent related compounds.

Automotive Parts Manufacturer, Leonard, Tawas, East Tawas and Oscoda, MI and New Lexington, OH – Directed five sitewide preliminary environmental site assessments and investigations. Programs included historical background reviews, database reviews and evaluation of potential areas of concern associated with on-site and off-site issues.

Confidential Client, Treatment Systems and Lagoon Closure, Elsie, MI, Project Director – Directed a design-build treatment system and lagoon closure associated with a quarter acre discharge lagoon and an industrial pretreatment system for a site in Elsie, Michigan. The program included a hydrogeological investigation, state approved closure work plan, construction contract documents for bidding and construction oversight and closure sampling during decommissioning and demolition of the treatment system and sludge removal in the lagoons.

Managed a site investigation for a landfill closure in Canton, Ohio associated with a five acre industrial landfill. The program included installation of double cased wells, free product measurement, evaluation of hydrogeologic characteristics, sampling and analysis to support landfill closure and preparation of the closure report for submittal to the OEPA.

Directed a site specific risk assessment associated with petroleum impacted surface and subsurface soil at an industrial site in Jackson, Michigan. The program included a site wide remedial investigation, bedrock production well sampling with vertical interval determination using packers and a site wide remedial action plan for on-site closure.

Directed a RCRA investigation in several operable units for a site under an Administrative Order for Region VII, USEPA in Des Moines, Iowa associated with pesticides, herbicides and dioxin contamination to surface and subsurface soil. The investigation supported on-site closure by an impermeable cover.

Automotive Manufacturer, PCB Program, Pontiac, MI, Project Director – Directed a design-build polychlorinated biphenyl (PCB) clean up in accordance with USEPA, Region V TSCA spill cleanup policy and Michigan DEQ generic industrial clean up criteria. The project included work plan submittal and approval by both agencies, construction oversight, sampling and analysis for closure, and submittal of a certified closure report.

Industrial Manufacturer, Toledo, OH – Directed a soil remediation program. Closure consisted of excavation and disposal of approximately 10,000 cubic yards of fuel oil impacted soil and closure sampling/regulatory reporting.

Soil Vapor Extraction Remediation Program, Rochester, Hills, MI – Directed a soil vapor extraction remediation program for a gasoline contamination project.

Automotive Manufacturer, Soil Remediation Project, Traverse City, MI, Project Director – Directed a design-build soil remediation project which consisted of excavation and disposal, building demolition and rebuild and soil vapor extraction remediation associated with waste oil and solvent contamination.

Automobile Dealership, Phase I and II Investigation Program, North Jackson, OH – Directed soil/groundwater sampling and delineation for subsequent underground storage tank removals and soil remediation.

Coatings Manufacturer, Hamtramack, MI – Directed a hydrogeological investigation and soil treatment remedial design and corrective action plan (CAP). Project included test pits, soil borings and monitoring wells associated with the release of

various solvents from underground storage tanks. Additionally, a site specific risk assessment was performed to establish thermal treatment performance objectives and site specific clean up criteria. Oversight during construction and on-site thermal treatment pilot testing and remedial activities was performed along with closure report submittal and negotiations with state officials.

Molding Company, Hydrogeological Investigation, Warren, MI – Directed a hydrogeological investigation, including excavation, borings and monitoring wells. Project included feasibility study and permitting for treatment of solvent contaminated soils by a Hammermill shredder.

Automobile Parts Manufacturer, Lagoon and Underground Storage Tank Closures, Sterling Heights, MI – Managed project that included sludge sampling and characterization, preparation of closure contract documents, on-site inspections, closure sampling and analysis, contract administration and regulatory report preparation.

Automobile Manufacturer, Underground Storage Tank Farm Removal/Replacement, Chelsea, MI – Directed a hydrogeological investigation associated with removal and replacement of an underground storage tank farm.

Chemical Manufacturer, Ferndale, MI – Directed a hydrogeological investigation and remediation program. Project includes pilot tests, bench scale treatability studies, design and permitting for multiple remediation techniques associated with soil and groundwater contamination and removal of dense non-aqueous phase liquids (DNAPL).

Directed a soil boring and sampling program and prepared a corrective action plan for soil remediation contaminated with lead in Hamtramack, Michigan.

Major Gasoline Distributor, Southeast Michigan – Directed hydrogeological investigations, corrective action plans, pilot tests, and remediation design, installation and operation for approximately twenty (20) stations. Projects involved soil and groundwater contaminated with gasoline, fuel oil and wash oil constituents.

Automotive Manufacturer, Groundwater Recovery System, Ypsilanti, MI, Manager – Directed a design-build groundwater recovery and storage system at the Dynamometer area within the Willow Run plant.

Construction services were coordinated with UAW trades.

Automobile Parts Supplier, Hydrogeological Investigation, Ypsilanti, MI – Installed soil borings and monitoring wells associated with gasoline contamination, groundwater pump tests, and remedial design of a recovery system. A feasibility study and design for vadose zone remediation along with operation and maintenance of the system was also included.

Automobile Dealership, Property Evaluation Report, Rochester, MI – Prepared a hydrogeological investigation report associated with a property evaluation. Project included coordination with legal counsel, installation of soil borings and monitoring wells and recommended remedial approaches.

Food Manufacturer, Naperville, IL – Directed a subsurface investigation program consisting of soil boring and monitoring well installations.

Major Steel Manufacturer, Zug Island, MI – Directed a soil investigation program associated with health and safety issues.

Managed an ongoing groundwater and drinking water investigation and monitoring program in South Kingston, Rhode Island.

Managed a Phase I and II subsurface investigation program for a solvent material release in Waterbury, Connecticut.

Naval Facility, Brunswick, ME – Prepared a Plan of Action and subsurface investigation associated with an aboveground and underground storage tank farm.

Performed subsurface investigations and DEP coordination for an underground fuel oil storage tank removal project located in Natick, Massachusetts.

Taunton, MA – Performed soil removal inspections and wetlands cleanup associated with a fuel oil spill in Taunton, Massachusetts. Project included coordination with adjacent property owners.

Phase II Subsurface Investigation Program, Wrentham, MA – Managed a Phase II subsurface investigation program for a gasoline contaminated site located in Wrentham, Massachusetts. Project includes a groundwater monitoring program, soil gas survey and coordination with nearby homeowners.

Major Electronics Company, Venago County, PA – Managed a Phase I and II subsurface investigation

project. Project included monitoring well installations (overburden and bedrock), soil gas survey, seismic refraction survey and coordination with adjacent property owners.

Phase I Investigation, Medford, MA – Evaluated a Phase I investigation and prepared detailed cost estimates for remedial options associated with soil and groundwater contamination with polynuclear aromatics.

Manufacturing Facility, Site Assessment, Pawtucket, RI – Performed subsurface investigations and analysis associated with EP toxic contaminated soil in underground cisterns and free phase fuel oil on the groundwater. A hydrogeological study was performed to assess the impact to groundwater.

Steel Processing Facility, Pawtucket, RI – Inspected removal of lead, arsenic, sulfuric acid and PCB contaminated soil from the basement of facility. Project included personal and environmental air monitoring to evaluate airborne contaminant concentrations.

Industrial Facility, Fall River, MA – Prepared Phase I, II and III reports associated with TCE contamination in the groundwater. Project included test pits, overburden and bedrock monitoring well installations, hydrogeological analyses, risk characterization report and a remedial option evaluation associated with the Massachusetts Contingency Plan.

Devised and coordinated a test pit and soil borings program for a 200+ acre initial site assessment for a proposed development in Rhode Island. The assessment included analytical coordination for soil and groundwater and report preparation with recommendations and discussion of hydrogeologic conditions.

Leominster, MA – Coordinated test pit excavations, monitoring well installations, sampling program, and analytical program for proposed land purchase in Leominster, Massachusetts. Recommendations for cleanup were included in the site assessment report.

Directed a final design of a groundwater pumping and recovery system, involving a pump test associated with removal of free product and dissolved constituents. Project includes treatment system installation, operation and maintenance for a two-

year duration and final design of a vadose zone remediation system.

Chevrolet Dealership, Dearborn, MI – Directing a consultant oversight program which includes a bioremediation treatment system for polynuclear aromatic compounds in groundwater and soil.

Automobile Manufacturer, Romulus, MI – Directed a Phase II hydrogeological investigation associated with a waste oil and lube oil release.

Belleville, MI – Directed a hydrogeological investigation and an evaluation of a surface pond for potential impact associated with a waste oil storage system release in Belleville, MI.

Argonaut Property, White Lake, MI – Directed an investigation and excavation program at an Argonaut owned property in White Lake, MI. Project is to include facility demolition and rebuild as part of the remediation system.

Automobile Dealership, Fairborn, OH – Directed a Phase I and Phase II investigation, along with remediation and closure of a hydraulic oil release inside an automobile dealership.

Automobile Dealership, Taylor, MI – Directed a Phase II subsurface investigation for a property transaction.

Automobile Dealership, Mt. Morris, MI – Directed a Phase II subsurface investigation and underground storage tank removal program.

Automobile Dealership, Dearborn, MI – Directed a subsurface investigation and asbestos survey associated with a property transaction.

Georgetown, MA – Assisted with a Phase I, II, III and IV investigation/remediation program for a foreclosed facility in Georgetown, Massachusetts associated with fuel oil and solvent impact to soil and groundwater.

Automobile Dealership, Harrisburg, PA – Assisted with a Phase I and II assessment associated with a solvent release.

Detroit, MI – Directed a remediation program including underground storage tank removals associated with a property transaction in Detroit, MI.

Fort Leavenworth, KS – Managed a soil sampling program phase associated with a remedial investigation at the Fort Leavenworth, Kansas facility.

Assisted with regulatory review associated with an underground storage tank removal program and an industrial facilities design project.

Environmental Site Assessments and Compliance Audits

Manufacturing and Distribution Facility, Silao, MX – Managed an environmental site assessment and an environmental compliance audit. A Phase I hydrogeologic investigation was also performed to evaluate potential source areas identified in the site assessment.

Breweries, Minnesota, Pennsylvania, North Carolina, Florida and Texas – Directed a corporate site divestiture environmental site assessment program. The site assessments included the ASTM guidelines for environmental assessments, compliance related issues and an evaluation of the regulatory status of disposal facilities historically used by the breweries. Potential cost estimates were also developed for each potential area of concern associated with the items identified in the assessments.

Automotive Manufacturer, Multiple Locations – Directed an environmental site assessment program involving 30 dealerships in thirteen states along the east coast of America. The assessments included compliance reviews and recommendations for investigatory and remedial activities.

Automotive Parts Supplier, Milwaukee, WI and Crystal Lake, IL – Performed environmental site assessments and deactivation assessments. The programs included costs estimates associated with potential areas of concern identified in the site assessments and estimated costs for site decommissioning.

Industrial Agricultural Manufacturing Facility, Blissfield, MI – Directed a Phase I environmental liability assessment.

Automobile Service/Maintenance Facility, Flint, MI – Directed a Phase I environmental audit.

Revere, MA – Performed an environmental audit including groundwater sampling and analysis associated with a prior landfill and a 1,200,000 square foot facility located in Revere, Massachusetts.

Chemical Manufacturing Facility, Wickliffe, OH – Performed an environmental audit. The audit report consisted of a summary of the plant processes and

personnel activities; descriptions of activities which may have been in contravention of statutory, regulatory or permit limits; identification of actions necessary for compliance; and cost estimates.

Automobile Manufacturing Facility, Belvedere, IL – Performed an environmental audit. Project included descriptions of process and personnel activities, potential activities in contravention of SARA Title III regulations and identification of actions required for compliance.

Automobile Dealership, Providence, RI – Performed an environmental audit. Project included regulatory coordination, site inspections and report preparation with recommendations associated with potential environmental liabilities.

Manufacturing Facility, Fall River, MA – Assisted in an environmental audit. Project included SARA Title III reporting requirements and compliance with the Massachusetts Contingency Plan (MCP).

Chemical Manufacturing Facility, Arab, AL – Performed an environmental liability assessment. Project included review of previous environmental work and recommendations for further compliance work.

Automobile Manufacturing Facilities, Huntsville, AL – Performed SARA Title III audits for four facilities. Projects included review of previous Form R submittals and development of updated forms to bring facilities into compliance.

Hotel Facility, Hyannis, MA – Performed an environmental liability assessment. Project included asbestos sampling and recommendations for environmental investigatory services.

Environmental Liability Assessment, Andover, MA – Performed an environmental liability assessment for a subdivision in Andover, MA. Project included interviews with various agencies, file reviews, site walk-through and report preparation.

Environmental Liability Assessments, Newburyport, MA – Performed separate environmental liability assessments for three facilities located in Newburyport, MA. Projects included reviews of properties and files for a prospective buyer.

Silver Manufacturing Facilities, Newburyport and North Dighton, MA – Performed environmental liability assessments. Projects included review of

processes and past environmental practices with recommendations for additional work.

Commercial Facility, Dearborn, MI – Performed an environmental site assessment. Project included review of environmental studies, visual inspection, asbestos survey and a Phase I drilling and sampling program.

Automobile Dealership, Traverse City, MI – Directed a Phase I assessment. Project included review of previous environmental investigations and additional subsurface investigation for site closure.

Electronics Manufacturer, Titusville, PA – Directed a Phase I liability assessment. Project included review of site records, regulatory files, etc. associated with facility closure.

Underground/Aboveground Tank Management, Testing and Design

Spill Prevention Control and Countermeasure (SPCC) Plan, Bedford, MA – Prepared a Spill Prevention Control and Countermeasure (SPCC) Plan, in accordance with 40 CFR Part 112 for a government contracting firm in Bedford, MA. The plan included identification of all petroleum storage tanks on the property, remedial recommendations for regulatory compliance, inventory report forms, and emergency response procedures.

Episode Plan Update, Waltham, MA – Assisted in an Episode Plan update for a facility in Waltham, Massachusetts. The update included SARA Title III and SPCC requirements and coordinating additional facilities built after the original plan.

Industrial Client, Fall River, MA – Prepared a technical specification for removal and disposal of a 10,000 gal underground storage tank and associated contaminated soil for an industrial client in Fall River, MA. Project includes field inspection during construction.

Conducted system tests (tank and pipelines) for a 1,500 gallon acetone tank and a 10,000 gallon solvent tank using the Petro-Tite method of tank testing. The test accounted for variables such as vapor pockets, thermal expansion of the product, product stratification, groundwater levels and tank end deflection. The testing system can detect if a tank is losing product at a rate of 0.01 gallon per hour NFPA Standard 329 considers a tank to be leaking if the leak is 0.05 gallon per hour or less.

Performed Petro-Tite testing on a 10,000 gallon Jet A aviation fuel tank. Tank was disconnected from all pipelines and the overburden soil was removed for accessibility to all tank fittings. Pneumatically tested the suction pipeline in accordance with NFPA Standard 30.

Department of the Navy at the NETC and NUSC facilities in Newport, RI – Prepared a Plan of Action for 56 underground storage tank systems. The plan identified actions necessary to comply with new federal and state regulations and also recommended additional work tasks to reduce costs and liabilities.

Performed Petro-Tite testing on two 15,000 gallon #4 fuel oil storage tanks simultaneously. Tank and pipelines were tested simultaneously with all appropriate connections exposed.

Naval Construction Battalion Center, Davisville, RI – Prepared an underground storage tank management plan for 71 storage tank systems located. The report identified actions necessary to comply with federal and state regulations.

Automobile Dealership, Newton, MA – Performed a survey of an underground storage tank system as part of a nationwide program. Survey included identifying and locating the underground tanks and identifying the material stored.

Naval Air Station, Brunswick, ME – Performed an evaluation of underground leak detection systems for four, 567,000 gallon, JP-5 jet fuel underground storage tanks. The report recommended subsurface investigations and a reliable, cost effective leak detection system to comply with federal and state regulations.

Industrial Client, Fort Worth, TX – Designed an underground hazardous waste storage system. Project included a sheeting system to alleviate potential settlement problems, dual-walled piping with leak detection capabilities and an inventory monitoring system meeting the requirements of 40 CFR Part 264, Subpart J.

Final design of a secondary storage tank containment facility for a 6,000 gallon fiberglass storage tank. The containment system is a liner system with leak detection, inventory monitoring, and double wall piping.

Aboveground Fuel Oil Storage and Distribution Facility, Salem, MA – Prepared design drawings and

contract specifications for an. Project includes a storage capacity of 20,000 gallon, double wall piping with leak detection, hydraulic analysis, secondary containment and construction inspection.

Demolition/Deactivation:

BASF Corporation, Design-Build Remediation Programs, Hamtramck, MI, Project Director –

Directed numerous design-bid-build programs, including construction management for remediation (on-site thermal treatment), deactivation, and demolition of the entire industrial complex (20 manufacturing buildings over approximately nine acres).

Tank Farm, Ferndale, MI – Prepared contract drawings and specifications for demolition of an aboveground storage tank farm. Project included bidding procedures for decommissioning and demolition and asbestos removal/disposal.

Decommissioning Program, Des Moines, IA –

Directed a decommissioning program in Des Moines, Iowa associated with dioxin contamination of a distribution facility and process materials. The project included negative air containment of the building, specific wash methods for structural components and materials, indoor and outdoor air sampling and analysis, wipe closure sampling, and negotiations with USEPA, Region VII and the ATSDR for using site specific developed risk based clean up criteria for air samples.

Automotive Manufacturer, Decommissioning and Demolition Project, Flint, MI, Project Director –

Directed a decommissioning and demolition project for a hazardous waste treatment plant in Flint, Michigan. The project included sampling and analysis of wastes (hazardous and non-hazardous), structures, tanks, vaults, and pipes to support preparation of contract documents for bidding purposes. Construction oversight and clean closure sampling and analysis was included.

Prepared contract drawings and specifications for demolition of a four acre parcel with manufacturing facilities. Project included asbestos removal/disposal, bidding procedures and recommendation for contract award.

Directed an environmental assessment of a 500,000-square foot foundry.

Manufacturing Facility, Columbia, MD – Assisted with deactivation. Project consisted of asbestos

removal and inspection/air monitoring, RCRA investigations and closures, decontamination of various plating operations and subsurface investigations/remediation associated with resale of the facilities and property.

Plating and Coating Facility, Fall River, MA – Prepared technical specifications and performed construction inspection associated with deactivation and decontamination. Project included equipment decontamination, laboratory lab packing, and controlled deactivation of a combustible powder coatings line.

Assembly Plant, Van Nuys, CA – Directed a deactivation assessment. Project included inventory of all environmental related issues, confirmatory sampling and preparation of decontamination specifications associated with either demolition or sale of the property.

Foundry Operation, Tonawanda, NY – Directed an assessment for decontamination and demolition. Project includes sampling and analysis of suspected contaminated equipment or facilities, asbestos sampling and survey and technical specifications for decontamination and remediation as necessary.

SPECIAL TRAINING

Cleanup Criteria Workshop, Michigan Department of Environmental Quality, June 2007

O'Brien & Gere Project Management Boot Camp, 2001

State of Michigan, Department of Public Health, Accredited Asbestos Inspector, #16474, Management Planner #16492, and Project Designer #16507

Certified Petro-TiteR tank tester

OSHA 40-Hour Hazardous Waste Site Operations Safety Training Course

OSHA Supervisors Training Course for Hazardous Waste Operations

Massachusetts certified asbestos inspector, management planner, designer and abatement project monitor.

Rhode Island certified asbestos abatement planning and hazard assessment

Vermont certified Type III asbestos consultant.

Connecticut certified asbestos inspector, management planner and project designer

PRESENTATIONS

Scott L. Cormier, P.E. and Scott J. Adamowski, P.E. "**Facility Deactivation and Demolition**," to be presented at the Federal Environmental Restoration III and Waste Minimization Conference in New Orleans, LA.

Scott L. Cormier, P.E., "**Facility Deactivation**", presented at the Borden Environmental Exposition, Buffalo, NY.

John M. Judge, CHMM and Scott L. Cormier, P.E., "**Project Transition to Risk Based Corrective Action**", presented at the Superfund XVII Conference, Washington, DC.

M. Ghani Baig and Scott L. Cormier, P.E. "**Soil Remediation Using Low Temperature Thermal Treatment**", for presentation at the Hazardous Materials Control Resources Institute.

Honorarium Speaker for courses in Asbestos Abatement for Inspectors and Management Planners, Institute of Environmental Education in Woburn, MA. Lecture topics included Evaluation and Selection of Response Actions and Development of an O&M Program.

Speaker for courses in Asbestos Abatement for Inspectors and Management Planners, O'Brien & Gere, Syracuse, NY. Lecture topics included: Review of Inspection Reports; Hazard Assessment; Selecting Response Actions; and Developing an Operations and Maintenance Program.

Storm Water Management - Individual Permit Requirements: presented at the Rhode Island Storm Water Seminar hosted by O'Brien & Gere and Pare Associates, Inc.

Individual Storm Water Permitting - "How To": presented at the semi-annual meeting of the Environmental Matters Committee of the New England Gas Association.

Alicia M. Casmer

Staff Scientist

TECHNICAL EXPERTISE

Environmental compliance
Database initiation and tracking
Health and safety analyst

PROJECT ASSIGNMENT

YEARS OF EXPERIENCE

With O'Brien & Gere: 2
With Other Firms: 2

EDUCATION

BS/2006/Physics; Ohio State University

SPECIAL TRAINING

40-hour Hazardous Waste Operations and
Emergency Response
8-hour Hazardous Waste Management course
Programming
Visual Basic
C++

Ms. Casmer, a Staff Scientist with O'Brien & Gere, is currently responsible for assignments requiring knowledge of scientific fundamentals and their project application. She executes a variety of scientific tasks including preparing, developing and writing component portions of reports; investigative studies, evaluations, audits, assessments, and permitting activities. Ms. Casmer performs field assignments that involve sampling/testing and the operation and maintenance of sampling/testing equipment.

REPRESENTATIVE PROJECTS

Confidential Client, Facility-Wide Water/Wastewater & Pressure Drop Study, Reed City, MI, Staff Scientist – Assisted in data collection for a facility-wide water/wastewater balance study. Performed on-site measurements using ultrasonic flowmeters. The project identified water savings opportunities, wastewater reduction opportunities, and potential causes of pressure problems for further investigation.

Industrial and Commercial Facilities, Environmental Site Assessments, Phase I, Various Locations, Staff Scientist – Conducted Phase I environmental site assessments (ESAs) in accordance with ASTM Standard Practice E1527-00 and E1527-05 for properties in the Midwest. Evaluated USTs, hazardous and universal waste management and disposal, and spills or releases of materials that may represent recognized environmental conditions.

Industrial Clients, Spill Prevention Control & Countermeasures (SPCC) Plan, Various Locations, Staff Scientist – Prepared SPCC plans in accordance with federal regulations for various industrial and manufacturing facilities.

RockTenn, Environmental Compliance Audits, Various Locations, Staff Scientist – Performed corporate environmental audits of facilities in the Midwest to evaluate compliance with federal, state, and company environmental requirements.

Eaton Inoac Company, Air Permit Renewal and Compliance Reporting, Fremont, OH, Staff Scientist – Assisted the facility in preparing a State of Ohio Title V Permit renewal application. Evaluated previous and existing emissions generated from facility operations to prepare annual emission reports for the facility to submit to the Ohio EPA as required by a condition of the Title V Operating Permit.

PRIOR TO O'BRIEN & GERE

Eaton Corporation, Cleveland, OH, Analyst for Environment, Health, and Safety Department:

Maintained IndustrySafe database of 1000+ users for Eaton's incident tracking, OSHA regulatory reporting, and U.S. Workers' Compensation claim initiation

Wrote test scripts and performed unit testing of IndustrySafe updates and MESH reporting through Cognos

Developed user guides and tutorials for IndustrySafe

Coordinated patch updates with internal IT support and the vendor

Updated a Microsoft Access database used by a plant for EPA regulatory reporting

Eaton Corporation, Cleveland, OH, Intern for Environment, Health, and Safety Department:

Administration of IndustrySafe database used for tracking and trending incidents and facility evaluations

Communicated with database vendor to resolve issues

Tested patches and changes made to IndustrySafe database before they are applied to a production server

Extensive use of Microsoft Excel to locate and analyze inconsistencies in data

360° Engineering and Project Delivery Solutions

All materials printed on recycled paper. 

