DRAFT FOR REVIEW
October 11, 2011
REVISION 0

DRAFT
CURRENT CONDITIONS REPORT

VAN BUREN TOWNSHIP LANDFILL SITE
VAN BUREN TOWNSHIP, MICHIGAN

OCTOBER 2011
REF. NO. 058516 (1)

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LIST OF ACRONYMS

AISL	Acute Inhalation Screening Level
ACM	Asbestos-containing materials
AMSL	Above mean sea level
AOIs	Areas of Interest
AST	Aboveground storage tank
ASTM	American Society for Testing and Materials
BBL	Blasland, Bouck, & Lee, Inc.
bgs	Below ground surface
CCR	Current Conditions Report
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CRA	Conestoga-Rovers & Associates
Csat	Soil Saturation Concentration Screening Level
DCC	Direct Contact Criteria
DWPC	Drinking Water Protection Criteria
DWC	Drinking Water Criteria
EEC	ENCORE Environmental Consortium, LLC
EM	Electromagnetic
ESA	Environmental Site Assessment
FESL	Flammability and Explosivity Screening Level
FOIA	Freedom of Information Act
GCC	Groundwater Contact Criteria
GMC	General Motors Corporation
GCC	Groundwater Contact Criteria
GCPC	Groundwater Contact Protection Criteria
GPS	Global positioning system
GSIC	Groundwater Surface Water Interface Criteria
GSIPC	Groundwater Surface Water Interface Protection Criteria
GVIIC	Groundwater Volatilization to Indoor Air Inhalation Criteria
LBP	Lead based paint
LUST	Leaking underground storage tank
MDEQ	Michigan Department of Environmental Quality
MDNR	Michigan Department of Natural Resources
MI	Michigan
MLC	Motors Liquidation Company
NPL	National Priority List
PAOR	Potential Area of Release
PCBs	polychlorinated biphenyls
PSIC	Particulate Soil Inhalation Criteria
RACER	Revitalizing Auto Communities Environmental Response
REC	Recognized Environmental Condition
Site	Former Van Buren Township Landfill property
SVIIC	Soil Volatilization to Indoor Air Inhalation Criteria

U.S. EPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground storage tank
VSIC	Infinite Source Volatile Soil Inhalation Criteria
WCDOE	Wayne County Department of Environment

1.0 INTRODUCTION

Conestoga-Rovers & Associates Inc. (CRA) has prepared this Current Conditions Report (CCR or Report) on behalf of the Revitalizing Auto Communities Environmental Response (RACER) Trust to present a description of the current and historical conditions for the former Van Buren Township Landfill Property (Site), located East of the Ecorse Road/Michigan Avenue intersection in Van Buren Township, Michigan (Site), for submittal to the United States Environmental Protection Agency (U.S. EPA) Region 5. The Site location is presented on Figure 1.1.

There currently is not an address associated with the Site, which is located in Van Buren Township, Wayne County, Michigan. Historical documentation referred to the Site being located at 50700 Ecorse Road, Belleville, Michigan 48111 (and 5070 Ecorse Road, Van Buren Township, Michigan in U.S. EPA Records). U.S. EPA records indicate that U.S. EPA ID MID 982 075 616 was historically associated with the Site.

1.1 BACKGROUND

According to a Phase I Environmental Site Assessment (ESA) conducted by Encore Environmental Consortium, LLC (EEC), the Site is approximately 67.88 acres of undeveloped land located in Van Buren Township, Wayne County, Michigan.

The Site was undeveloped and cultivated for agricultural purposes as early as 1940. The Site remained vacant and undeveloped until approximately 1966 when it was occupied by Van Buren Development Company from approximately 1966 to 1969. Van Buren Development Company used the Site to mine sand and subsequently operated the Site as a landfill. The Site has been vacant since the closure of the Van Buren Development Company landfill in 1969. The Site was purchased by General Motors Corporation (GMC) in late 1969.

In August 1987, through a search of governmental records to support a potential sale of a portion of the property, GMC became aware of the closed Van Buren Development Company landfill Site. In 2002, EEC completed a limited Phase I Environmental Site Assessment (ESA) of the Site and identified five recognized environmental conditions (RECs) associated with the Site. The 2002 Phase I ESA was not available for review as part of the CCR; however it was summarized in an updated Phase I ESA conducted in 2007 by EEC which is presented in Appendix A. Based on the presence of a historical landfill, Blasland, Bouck & Lee, Inc. (BBL) conducted a geophysical survey at the Site in July 2003 which identified numerous potential disposal trenches/areas at the Site. A

summary of the Geophysical Survey is presented in Appendix B. EEC updated the 2002 Phase I ESA in 2007 and identified one REC at the Site, related to the presence of the historical landfill.

GMC filed for bankruptcy under Chapter 11 of the United States Bankruptcy Code on June 1, 2009. On July 10, 2009, pursuant to a bankruptcy court order, Motors Liquidation Company (MLC) (formerly GMC) retained ownership of the Site, and on October 20, 2010, entered into a settlement agreement with federal and state governmental authorities regarding MLC's environmental obligations at its remaining properties. According to the terms of the settlement agreement, RACER Trust became effective March 31, 2011 and interests in the Site were transferred to RACER at that time.

The Site is currently owned by RACER Properties LLC, a wholly owned subsidiary of RACER Trust and is comprised of vacant land. With the exception of investigation activities, RACER is not currently conducting operations at the Site. A Site location map is presented on Figure 1.1.

A detailed Site history is provided in the 2007 Phase I ESA Report (EEC, 2007). A Current Site Plan with topographic contours is presented on Figure 1.2.

A legal survey of the Site is presented in Appendix D.

1.2 AREAS OF INTEREST

Seven areas of interest (AOIs) have been identified at the Site based on a review of historical investigations and environmental activities, and Site inspections. AOIs are defined as those areas of known treatment, storage, disposal, or release of non hazardous and/or hazardous constituents to the environment or potential release of non hazardous and/or hazardous constituents to the environment. The AOIs identified for the Site are summarized and further evaluated in Section 5.0.

1.3 SCOPE OF CCR

The purpose of the CCR is to describe the current and historical conditions at the Site resulting from the treatment, storage, disposal, or release of non-hazardous and/or hazardous constituents to the environment, and to identify if further action is warranted.

To prepare this CCR, CRA completed the following activities:

- Reviewed available documents concerning historical remediation, treatment, storage, releases, or disposal of hazardous waste and hazardous constituents
- Prepared a summary of previous environmental investigations and remedial activities completed at the Site
- Reviewed available information regarding local land use, climate, geology, hydrogeology, surface water hydrology, and ecology

The CCR was compiled based on a review of information contained in GMC, CRA, MLC, RACER, U.S. EPA, Wayne County Health Department, and Michigan Department of Environmental Quality (MDEQ) files. In addition, other resources, including United States Geological Survey (USGS) data, were utilized to obtain information regarding water supply, topography, geology, hydrogeology, hydrology, and ecology. Due to the large volume of information obtained and reviewed for the Site, not all material is appended to this document. Relevant information has been summarized within the content of this document and referenced and/or appended where appropriate.

2.0 SETTING

2.1 REGIONAL ENVIRONMENTAL SETTING

The Site is located in Van Buren Township, Wayne County, in southeast Michigan. Wayne County is within the Erie-Huron Lowland portion of the Great Lakes Basin. Regional topography is a nearly featureless lake plain, which slopes gently to the southeast towards the Detroit River and Lake Erie.

Bedrock of the Washtenaw and Wayne County area is covered with glacial deposits, deposited on the glacial lake bottoms leaving lacustrine plains as these lakes receded. The glacial drift in the area has a thickness of approximately 90 to 200 feet, and is composed mainly of silty sands underlain by a series of glacial clays and tills.

The clay layer underlying the glacial silty sand deposit is approximately 50 feet thick and is a laterally extensive unit that is present beneath the entire Site and throughout the area. Water Well Records indicate the clay extends from approximately 15 to 20 feet below ground surface (bgs) to at least 63 feet bgs and typically extends to greater than 80 feet bgs. The clay is underlain by interbedded gravels, sands, and clays to the top of the Antrim Shale bedrock, encountered between 90 and 200 feet bgs.

The Antrim Shale is comprised of hard, dark gray to black or brown, pyritiferous shale that contains abundant silt, making it a confining layer (aquitard). The shale is generally too impermeable to be an aquifer and the abundance of pyrite restricts its water quality for use as a potable water supply.

The groundwater within the upper sand and silty sand units is unconfined or semi-confined (units monitored at adjacent property and Willow Run Powertrain located southwest of the Site). Groundwater in this unit is generally discontinuous or intermittent in nature and does not yield a significant volume of water. Regionally extensive lacustrine clay separates the surficial water-bearing zones from the drinking water aquifer.

The majority of southeastern Michigan, including the area of the Site, consists of aquifers that are classified as "protected". Protected aquifers are those that are protected from surface contamination by a minimum of 15 feet of vertically continuous clay in the subsurface or 20 feet of vertically continuous clay from the ground surface above the aquifer (WMU, 1981). The lower confined aquifer in the vicinity of the Site, if present, is

protected from surficial contamination by the regionally extensive lacustrine clay aquitard that exists across the area.

The types of aquifer material and their formation in Wayne County are related to the potential for groundwater impact. According to the "Aquifer Vulnerability to Surface Contamination in Michigan" map (WMU, 1981), the majority of Southeastern Michigan contains low permeability soils over low sensitivity overburden. Shallow groundwater in glacial overburden is generally of limited extent and usability.

The Huron River is the prominent hydrologic feature in the vicinity of the Site. The Huron River and its local impoundments, Ford Lake and Belleville Lake, discharge into Lake Erie, which is located approximately 50 miles southeast of the Site.

The prominent hydrologic feature in the immediate vicinity of the Site is Willow Run Creek located approximately 1 mile south of the Site. Willow Run Creek discharges into Belleville Lake, approximately 2 miles south of the Site. Minor wetlands have been identified to the east of the adjacent GMC SPO Building.

As part of the environmental database search during the 2007 Phase I ESA, records were obtained from the Geocheck© Addendum to the EDR Radius Map Report and a previous investigation. One AQUIFLOW© point was reported between 0.5 and 1 mile west-northwest of the Site. However, the groundwater flow direction and the static water level were not provided for the AQUIFLOW© point. The 2007 Phase I ESA concluded that based on area topography, and the presence of nearby wetland areas, the estimated depth to groundwater in the vicinity of the Site is approximately less than 10 feet bgs. Groundwater was previously encountered at the Site at depths ranging from 4.5 to 5.5 feet bgs. Based on the area topography, and proximity of the Old Smith Drain and the Old Ayers Drain, the inferred localized groundwater flow is likely to the east.

Additional information regarding the regional environmental setting is presented in the 2007 Phase I ESA

2.2 FACILITY SETTING

The Site is located in an area of mixed industrial, commercial, agricultural, residential and airport properties. The Site is zoned for industrial use. The Site is bounded to the north by railroad tracks, to the east by GMC's Service Parts Operations (SPO) Warehouse, to the south by Ecorse Road, and to the west by Michigan Avenue. The Site is vacant and not in use.

The Site is located at approximately 720 feet above mean seal level (AMSL). Figure 1.1 shows the topography of the Site and surrounding area and Figure 1.2 shows the detailed topography of the Site. Based on the review of Site-specific stratigraphic and instrumentation logs from investigative activities conducted in 1968, the Site is underlain with a sand and gravel fill layer that is generally 10 to 13 feet in thickness. A regionally extensive blue clay layer is located below the sand and gravel layer to a depth of at least 15 feet at the Site, and at least 50 feet at sites in the vicinity. Additional details regarding the Site geology are presented in the 2007 Phase I ESA and reports related to the RACER General Motors Powertrain – Willow Run site.

The Site is heavily wooded; however, based on a review of Van Buren Township files during the 2007 Phase I ESA, no regulated woodlands were depicted on the Site. No surface water bodies are present at the Site; however, frozen standing water was present at the southern portion of the Site in 2007 when the Phase I ESA site inspection was conducted. Based on the review of the EDR report conducted during the 2007 Phase I ESA, National Wetlands Inventory electronic coverage was not available for the Site. The EDR report also indicated that state wetland electronic data coverage was available for the Site, and that the Site is not located in a state wetland area. State wetlands were depicted between 0.25 and 2 miles north, northeast, southeast, south, southwest, and west of the Site.

Based on soil borings installed in 1968, shallow perched groundwater appeared to be present at approximately 3 to 5 feet bgs. No site-related groundwater elevations or flow directions were available for review.

2.3 ADJACENT PROPERTIES

The surrounding areas are zoned as AP (Airport), M-1 (Light Industrial), M-2 (Industrial), and R-1C (Single Family Residential) north of the Conrail Railroad tracks. A current zoning map is provided on Figure 2.1. A future land use map is provided on Figure 2.2.

Additional information regarding the surrounding properties is available in the 2007 Phase I ESA.

3.0 DESCRIPTION OF FACILITY

The Site is located east of the Michigan Avenue and Ecorse Road intersection in Van Buren Township, Wayne County, Michigan. Historical addresses associated with the Site have included 50700 Ecorse Road and 5070 Ecorse Road (in U.S. EPA filing). The Site is comprised of heavily wooded areas and is surrounded by a security fence. RACER is not currently conducting operations at the Site, with the exception of investigation activities. A Site location map is presented on Figure 1.1 and a current Site plan is presented on Figure 1.2.

Under the Freedom of Information Act (FOIA), EEC contacted all divisions of the MDEQ and U.S. EPA regarding information on file during the 2007 Phase I ESA for the address of 50700 Ecorse Road. No information was available for review at the time of the 2007 Phase I ESA.

Information from the results of the environmental database searches, public records reviews, Sanborn Fire Insurance map reviews, aerial photograph reviews, city directory reviews, topographic map reviews, and Site file reviews are summarized in the 2007 Phase I ESA. Copies of the available environmental database search results, Sanborn Fire Insurance maps, aerial photographs, city directories, and topographic maps are included in the appendices of this report.

Information from the previous Site reconnaissances is presented in Section 2.0 of the 2007 Phase I ESA. This includes information regarding the following.

- Underground Storage Tanks (USTs)
- Aboveground Storage Tanks (ASTs)
- Hydraulic Equipment
- Site Drainage and Discharge
- Other Hazardous Substances and Petroleum Products
- Suspect Asbestos-Containing Materials (ACM)
- Lead-Based Paint (LBP)
- Polychlorinated Biphenyls (PCBs)
- Radon Gas
- Woodlands and Wetlands Identification
- Solid and Special Waste
- Hazardous Waste

- Air Emissions
- Spills/Releases
- CERCLA Liability Potential

4.0 SUMMARY OF PREVIOUS ENVIRONMENTAL INVESTIGATIONS AND REMEDIAL ACTIONS

Three previous reports were reviewed by CRA as part of the preparation of this CCR, the 2007 Phase I ESA conducted by EEC, the 2003 Geophysical Investigation conducted by BBL, and a 2003 Letter Report for Clearing and Fence Installation by BBL. Copies of these reports are presented in Appendices A, B and C, respectively.

Each of the reports is summarized below.

A. Phase I ESA , EEC, February 13, 2007

EEC conducted a Phase I ESA of the Site in 2007. The Phase I ESA was performed in general accordance with American Society for Testing and Materials (ASTM) E 1527-00 Standard and other client-specific requirements. The Phase I was intended to identify RECs as defined by the ASTM E 1527-00 Standard. The Phase I assessment identified the following RECs associated with the Site:

- The Environmental Data Resources, Inc. (EDR) report indicated that the Site is listed on the Inactive Solid Waste Facilities (HIST LF) and Comprehensive, Environmental Response, Compensation and Liability Act – No Further Remedial Action Planned (CERCLA-NFRAP) databases as an inactive Type II landfill with facility identification numbers 82000056 and 0505456, respectively. In response to a request from the U.S. EPA, GMC filed EPA Form 8900-1 "Notification of Hazardous Waste Site" to satisfy the notification requirements of Section 104(c) of CERCLA on February 3, 1988. Discovery of the Site was recorded on February 8, 1988, and a preliminary assessment was completed on March 21, 1989. Records indicate that the preliminary assessment consisted of search for information in U.S. EPA and Michigan Department of Natural Resources (MDNR) files, and a Site inspection was not conducted based on the premises that there was no evidence of a release of hazardous substances at the Site in these files. The Site was archived by the U.S. EPA and received a Non-National Priority List (NPL) status with respect to CERCLA on March 21, 1989. Review of historical records indicated that from approximately 1966 to 1969, the Site was occupied by the Van Buren Development Company and was utilized as a solid waste landfill. Documentation obtained from the Wayne County Department of Environment (WCDOE), Land Resource Management Division, Solid Waste Technical Section indicated that various wastes including incinerator ash from the City of Detroit, demolition waste and domestic refuse from the City of Dearborn, waste paper from Ford Motor Company, and liquid waste inside 55-gallon drums were landfilled at the Site. Other historical

information on record at WCDOE indicated that approximately 1,500 to 1,800 gallons of sludge generated from treatment of crankcase oils from Dearborn Refinery may have been disposed at the Site on a daily basis. Historical records indicated that this sludge had high levels of sulfuric acid and had potentially contained heavy metals, PCBs, and other organic chemicals. Records and historical references indicate that landfilling of waste ceased in approximately 1969, prior to General Motors Corporation's purchase of the Site in late 1969. Of note, WCDOE records were not searched or referenced in the MDNR or U.S. EPA file search which rendered the decision to archive the Site under CERCLA.

As part of the Phase I ESA, EEC also reviewed historical documents including the Limited Phase I ESA dated August 28, 2002 conducted by EEC. The 2002 limited Phase I ESA was not available for review by CRA; however the following RECs were identified, as summarized in the 2008 Phase I ESA.

- Evidence of aboveground waste discarded throughout the Site was observed. Types of wastes observed included general garbage, building construction materials, household appliances, furniture, piping, transportation equipment, electrical components, hazardous materials containers, scrap metals, batteries, and numerous unidentifiable items.
- Evidence of a spacious historical landfill was observed at the Site, which was documented in the federal and state regulatory database search. During the Site visit, a wide variety of wastes exposed from surface soils over a broad area across the western portion of the Site, particularly below uprooted trees and off-road vehicle tracks, were observed.
- Based on the types and age of waste observed both below ground and aboveground, the potential for the following related environmental concerns existed at the Site: USTs, hazardous substances and petroleum products, ACM, LBP, PCBs, radon gas, solid and special waste, hazardous waste, and spills/releases.
- A leaking underground storage tank (LUST) Site with an open remediation status was listed at the adjacent GMC SPO facility. Details regarding the specific location and extent of contamination from this release were not known at the time.
- Potential sources of fugitive emissions included solvents or biodegradation gases emanating from the historic below-ground landfill, solvents evaporation from containers discarded aboveground, CFCs releasing from refrigeration devices discarded aboveground, dust from off-road vehicle travel on dirt paths, and off-road vehicle exhaust.

A copy of this report is included in Appendix A.

B. Geophysical Investigation, BBL, July 11, 2003

As a result of the findings from the 2002 Phase I ESA, a geophysical investigation was conducted in April 2003 and summarized in a letter by BBL dated July 11, 2003. The investigation consisted of an electromagnetic (EM) survey to identify areas of elevated measurements (anomalies) and define the location of the anomalies using a global positioning system (GPS). The geophysical investigation revealed the use of four landfill trench cells in the northeastern portion of the Site, a landfill trench or fill area in the center of the Site, an additional potential landfill cell in the northwest corner of the Site, and several other smaller isolated potential landfill pocket areas across the western portion and center of the Site. Results of the geophysical investigation indicate that landfilled waste may exist across approximately 30 to 40 acres in the western, northern and central portions of the Site.

A copy of the Geophysical Investigation report is included in Appendix B.

C. Letter Report for Clearing and Fence Installation, BBL, December 16, 2003

As a result of the findings from the 2002 Phase I ESA and geophysical investigation, installation of a chain link perimeter fence was recommended to mitigate owner liability due to the following factors:

- Unauthorized entry and use of the Site for all-terrain vehicle (ATV) riding was expediting erosion of the landfill cap in several areas at the Site
- Unauthorized dumping of household and building material waste was occurring regularly at the Site
- Unauthorized hunting, including the discharge of firearms, occurred at the Site. According to GMC, bullets had penetrated the wall of the east-adjacent SPO warehouse building
- The presence of scattered debris and broken glass on the surface of the Site, coupled with periodic discharge of firearms, resulted in a dangerous setting for both unauthorized occupants and neighbors

A copy of the Letter Report for Clearing and Fence Installation is included in Appendix C.

5.0 AREAS OF INTEREST

No historical analytical results are available for the Site. For comparison purposes, future analytical data collected at the Site will be compared to the criteria set forth in Michigan Public Act 451, Part 201 (Part 201). To select the applicable criteria, it is assumed that the use of shallow groundwater for potable purposes at the Site will be restricted (through a groundwater not in an aquifer determination or deed restrictions) and the use of the property will be restricted to Nonresidential. Additionally, there are no surface water bodies present at the Site and the closest surface water body is Willow Run Creek located approximately 1 mile south of the Site. Willow Run Creek discharges into Belleville Lake, approximately 2 miles south of the Site. There are currently no utilities serving the Site, however, utility corridors are present along the Ecorse Road, Michigan Ave, and CSX Railroad right-of-ways. Based on the above information, the groundwater to surface water interface (GSI) pathway does not apply to the Site.

As described previously, the drinking water and GSI pathways do not apply to the Site groundwater; accordingly for soil, the Drinking Water Protection Criteria (DWPC), Drinking Water Criteria (DWC), GSI Protection Criteria (GSIPC) and GSI Criteria (GSIC) are not applicable for on-Site comparisons.

Based on the intended land use (Nonresidential), and Site specific characteristics described above, the following Nonresidential criteria are applicable for the Site:

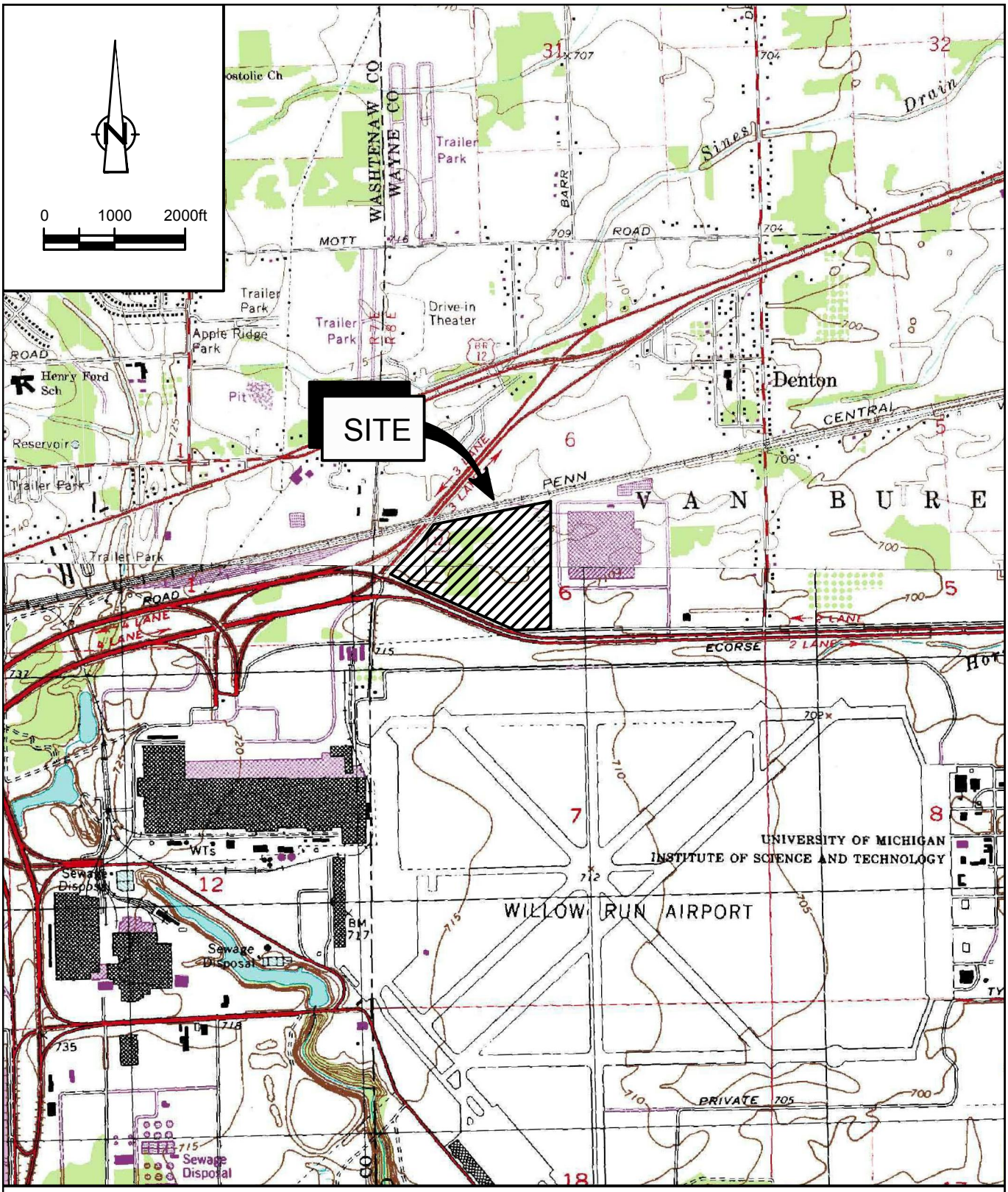
- Soil:
  - Groundwater Contact Protection Criteria (GCPC)
  - Soil Volatilization to Indoor Air Inhalation Criteria (SVIIC)
  - Infinite Source Volatile Soil Inhalation Criteria (VSIC)
  - Particulate Soil Inhalation Criteria (PSIC)
  - Direct Contact Criteria (DCC)
  - Soil Saturation Concentration Screening Level (Csat)
- Groundwater:
  - Groundwater Volatilization to Indoor Air Inhalation Criteria (GVIIC)
  - Groundwater Contact Criteria (GCC)
  - Flammability and Explosivity Screening Level (FESL)
  - Acute Inhalation Screening Level (AISL)

Seven AOIs were identified during this CCR related to historical landfilling operations. Table 5.1 presents a list of AOIs, a brief summary of the AOIs, and whether further investigation is recommended. Locations of the seven AOIs are presented on Figure 5.1.

6.0 REFERENCES

- BBL, Geophysical Investigation, Van Buren Township, July 2003
- BBL, Letter Report for Clearing and Fence Installation, Former Landfill, Van Buren Township, December 2003
- ENCORE Environmental Consortium, Phase I Environmental Site Assessment, Van Buren Township, Michigan, 2007
- Hydrogeologic Atlas of Michigan. Department of Geology, Western Michigan University, Kalamazoo, 1981.
- Quaternary Geology of South Michigan. Department of Geological Sciences: the University of Michigan, Ann Arbor, 1982.
- Westjohn, D.B., and Weaver, T.L. 1998. Hydrogeologic Framework of the Michigan Basin Regional Aquifer System. United States Geological Survey: Colorado

FIGURES



SOURCE: USGS QUADRANGLE MAP;
DENTON, MICHIGAN - DATE:1969; REVISED:1980
YPSILANTI EAST, MICHIGAN - DATE:1996

figure 1.1

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SITE LOCATION
VAN BUREN TOWNSHIP LANDFILL SITE
Van Buren Township, Michigan

0 125 250ft

CSX RAILROAD (100 FEET WIDE)

FIBER OPTIC CABLE

US-12 MICHIGAN AVENUE (VARIABLE WIDTH)

GATE

8' CHAIN-LINK FENCE

SPO WAREHOUSE PROPERTY

36"g

30"g

ECORSE ROAD (VARIABLE WIDTH)

ECORSE ROAD

LEGEND

- PROPERTY BOUNDARY
- RAILROAD
- APPROXIMATE FENCE LINE
- GAS LINE
- 720 GROUND SURFACE ELEVATION CONTOUR

DRAFT

SOURCE: ATWELL HICKS SURVEY, APRIL, 2003.

figure 1.2

CURRENT SITE PLAN
VAN BUREN TOWNSHIP LANDFILL SITE

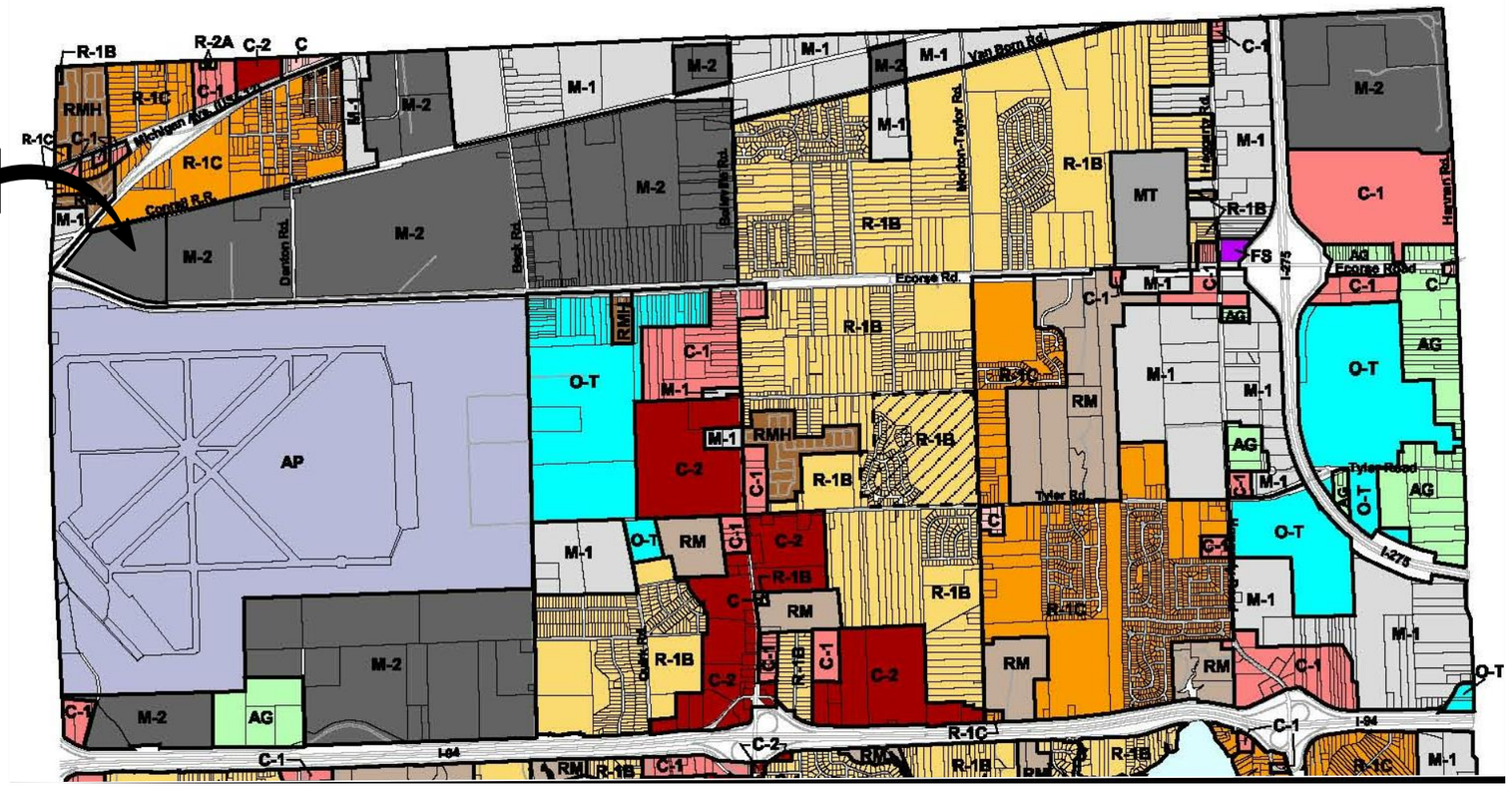
Van Buren Township, Michigan

CRA

058516-T01(001)GN-DE002 OCT 07/2011

0 1700 3400ft

SITE



Zoning Districts

AG-A	Agricultural and Estates - A	C-2	Extensive Highway Business
AG	Agricultural and Estates	FS	Freeway Service
R-1A	Single Family Residential	O-T	Office/Technology
R-2A	Single Family Residential	M-1	Light Industrial
R-1B	Single Family Residential	M-T	Industrial Transportation
R-1C	Single Family Residential	M-2	General Industrial
RM	Multiple Family Residential	AP	Airport
RMH	Mobile Home Park	★	(Zoning is pursuant to a consent judgement)
C	Local Business		(Land is subject to a Planned Residential Development (PRD) agreement)
C-1	General Business		(Land is subject to a Planned Unit Development (PUD) agreement)

REVISION DATES

July 1966	April 1979	March 1989	April 1994	May 1998	June 2003
August 1968	August 1980	April 1989	October 1994	June 1998	August 2003
January 1971	August 1982	October 1990	March 1996	July 1998	April 2004
August 1972	August 1984	January 1991	June 1997	July 1999	July 2004
December 1973	June 1986	February 1991	August 1997	September 1999	September 2004
March 1974	October 1986	April 1992	October 1997	June 2000	February 2005
August 1976	August 1987	July 1992	November 1997	June 2001	August 2005
March 1978	October 1987	November 1993	February 1998	January 2002	

figure 2.1

BASEMAP SOURCE: WADE-TRIM 11/97
DATA SOURCE: CHARTER TOWNSHIP OF VAN BUREN, WAYNE COUNTY

DRAFT

CURRENT ZONING MAP
VAN BUREN TOWNSHIP LANDFILL SITE
Van Buren Township, Michigan

CRA

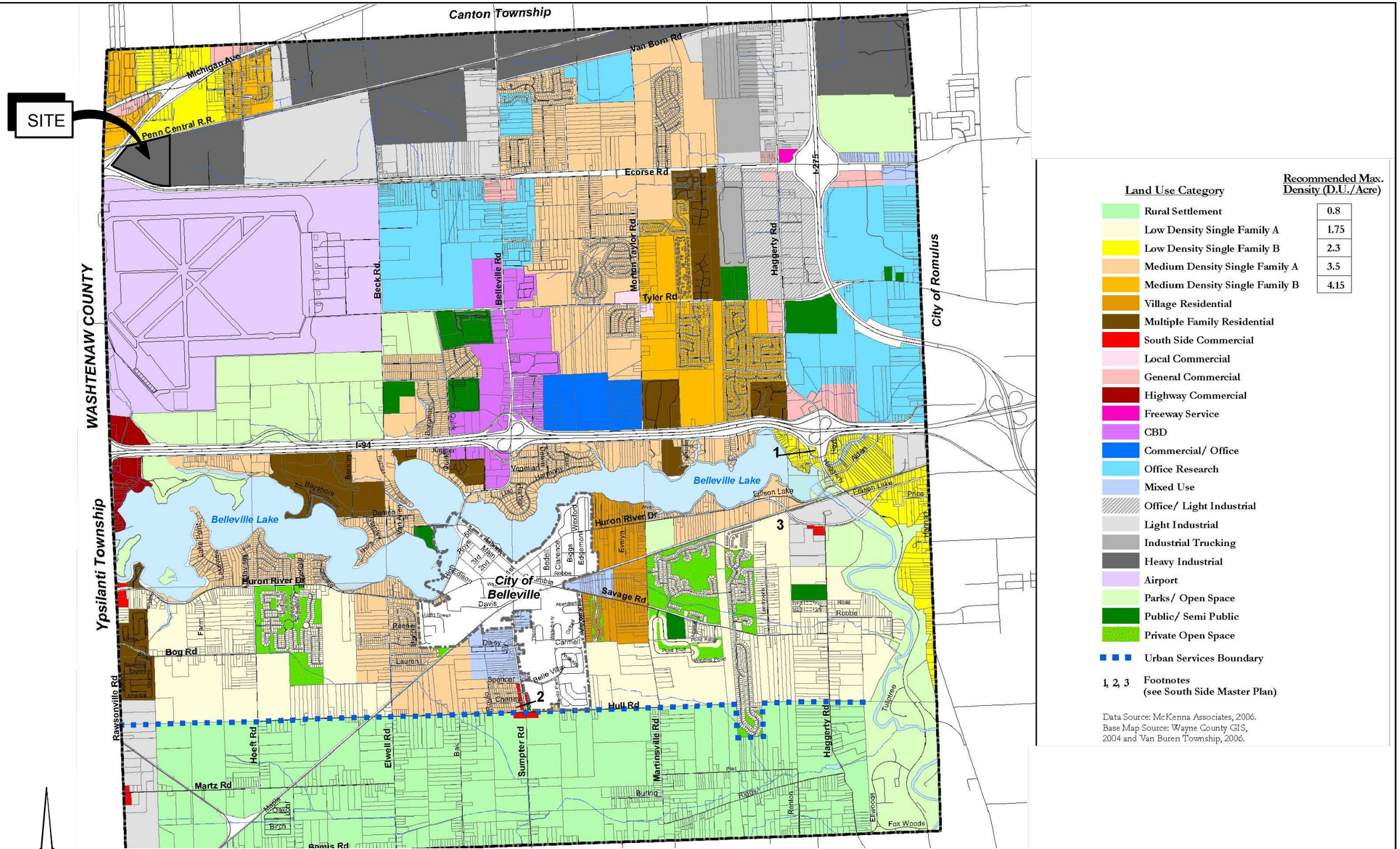
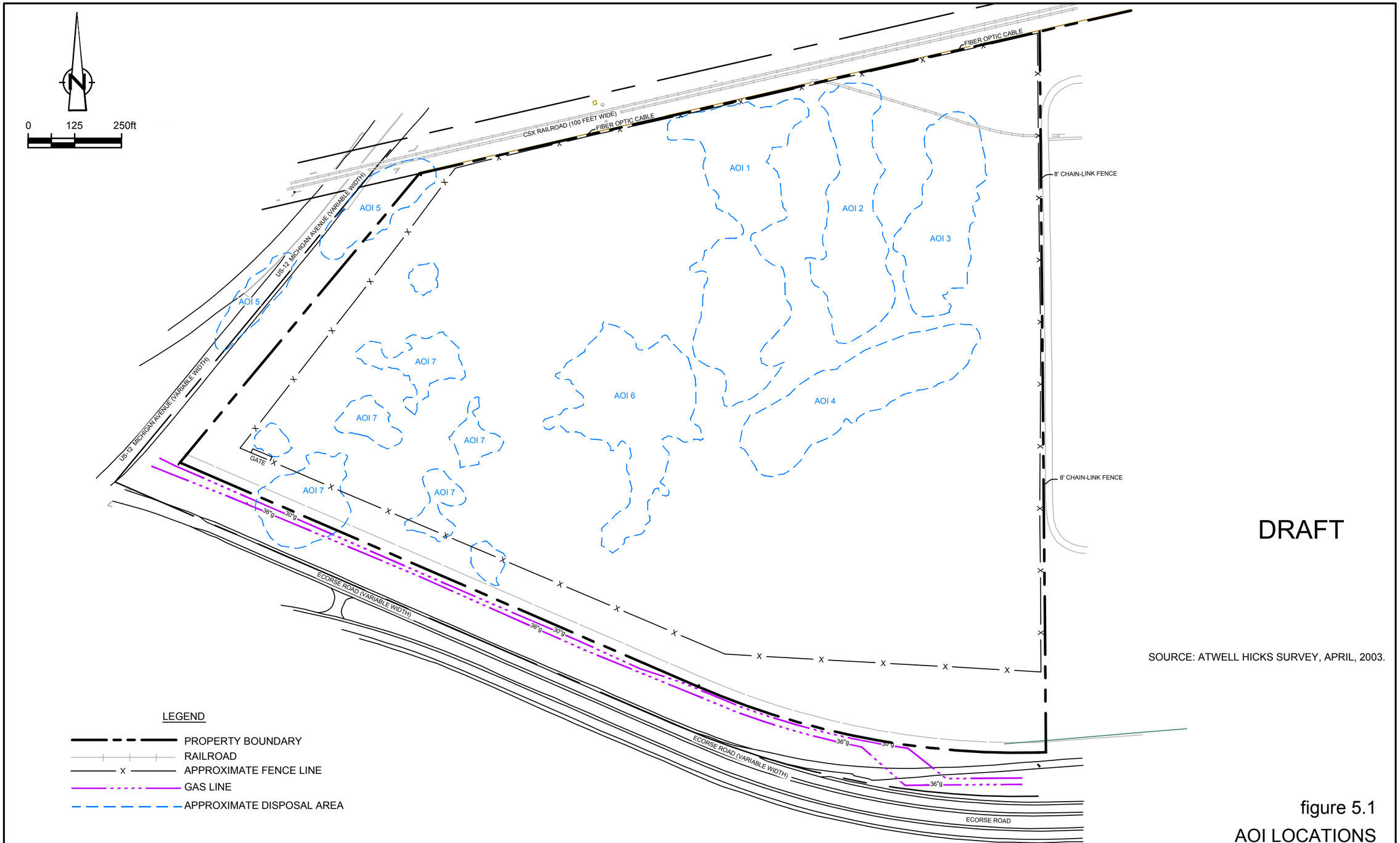


figure 2.2

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FUTURE ZONING AREAS
VAN BUREN TOWNSHIP LANDFILL SITE
Van Buren Township, Michigan

058516-T01(001)GN-DE005 SEP 16/2011



DRAFT

SOURCE: ATWELL HICKS SURVEY, APRIL, 2003.

figure 5.1

AOI LOCATIONS
VAN BUREN TOWNSHIP LANDFILL SITE

Van Buren Township, Michigan

058516-T01(001)GN-DE003 OCT 07/2011

TABLES

TABLE 5.1

AOI SUMMARY
FORMER VAN BUREN LANDFILL PROPERTY
CURRENT CONDITIONS REPORT
VAN BUREN TOWNSHIP, MICHIGAN

AOI Number	AOI [1]	AOI Summary [2]	Further Investigation Recommended?
1	Disposal Cell 1	Operated until approximately August 1968. Trench was filled with demolition wood and processed incinerator residue.	Yes
2	Disposal Cell 2	Operated until approximately September 1968. Trench was filled with demolition wood and processed incinerator residue.	Yes
3	Disposal Cell 3	Operated until approximately September 1968. Trench was filled with incinerator residue, demolition waste and typical municipal waste.	Yes
4	Disposal Cell 4	Cell was constructed perpendicular to disposal cells 1 -3 and east end of cell 4 intersected the south end of cell 3. Operated until approximately January 1969. Trench was filled with general refuse, incinerator residue and liquid waste from 55-gallon drums. In 1968, black water was observed leaking into west end of cell 4, assumed to be from water leaching through incinerator residue.	Yes
5	Disposal Cell 5	Cell was constructed in the northwest portion of the Site in 1969 and was filled with incinerator residue and general refuse. Water leaching through the incinerator residue was observed in this area.	Yes
6	Potential disposal area in center of Site	Area was identified during the 2003 EM survey and reportedly used for ferrous separation from incinerator residue activities. This area was not clay-lined prior to landfilling activities.	Yes
7	Potential disposal area in SW corner of Site	Anomalies in this area were identified during the 2003 EM survey. Evidence of aboveground waste discarded throughout the area was observed during the 2002 Phase I ESA Site reconaissance.	Yes

Notes:

[1] - An EM survey completed in 2003 identified anomalies representing former disposal areas in the northeastern, center and northwest portions of the Site. From 1966 to 1969 the Site operated as a landfill and accepted an unknown amount of waste including incinerator ash, demolition debris, general refuse and liquid waste which was buried in the clay lined trenches.

[2] - Operation timeframes and trench contents based on historical correspondence between the previous Site owner/operators and the Wayne County Health Department. Documents were reviewed during the 2007 Phase I ESA (EEC, February 2007)

APPENDIX A

PHASE I ESA, EEC, FEBRUARY 2007

PHASE I ENVIRONMENTAL SITE ASSESSMENT
67.88 ACRES VACANT LAND (PARCEL A)
NEC OF ECORSE ROAD AND MICHIGAN AVENUE
VAN BUREN TOWNSHIP, MICHIGAN 48111

PREPARED FOR:

GENERAL MOTORS WORLDWIDE REAL ESTATE

ENCORE ENVIRONMENTAL CONSORTIUM, LLC

DATE: FEBRUARY 13, 2007

PHASE I ENVIRONMENTAL SITE ASSESSMENT
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PREPARED FOR:

GENERAL MOTORS WORLDWIDE REAL ESTATE

ENCORE ENVIRONMENTAL CONSORTIUM, LLC

DATE: FEBRUARY 13, 2007



(Signature)

Brad Saunders

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Project Manager

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EEC
Encore Environmental Consortium, LLC

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the use of four landfill trench cells in the northeastern portion of the Site, a landfill trench or fill area in the center of the Site, an additional potential landfill cell in the northwest corner of the Site, and several other smaller isolated potential landfill pocket areas across the western portion and center of the Site. Results of the geophysical investigation indicate that landfilled waste may exist below across approximately 30 to 40 acres in the western, northern and central portions of the Site. During the Site reconnaissance and during prior Phase I ESA, geophysical and fence installation projects performed from 2002 and 2003, EEC did observe evidence of below-ground solid waste disposal. Such evidence included exposure of buried waste from the ground in areas which were eroded from all-terrain vehicle driving, and areas where uprooted trees were overturned. Based on the results of EEC's geophysical investigation and information contained in the WCDOE's files, historic use of a significant portion of the Site as a landfill represents a sitewide REC.

B. HISTORICAL RECs

This assessment has not revealed evidence of historical RECs in connection with the Site.

C. OTHER ENVIRONMENTAL ISSUES

In addition to the ASTM standard, this assessment evaluated other client-specified criteria for the Site. This assessment has revealed evidence of the following other environmental issues in connection with the Site:

- Review of historical photographs indicated that the Site was undeveloped and cultivated for agricultural purposes as early as 1940. Based on the historic use of the Site as cultivated farmland, agricultural chemicals such as pesticides, herbicides, and fertilizers would have historically been used on the Site. Information regarding historic use, storage, or applications rates was not available. If the chemicals were applied in accordance with manufacturer recommendations, residuals remaining in Site soils would be expected to be similar to other area properties. No information was available to determine whether residual concentrations exceed government use or exposure criteria. Application of agricultural chemicals for intended use is not considered a release and potential residuals remaining would not be considered a REC. However, the potential presence of agricultural chemicals may have resulted in impact to Site soil and groundwater and is therefore considered an other environmental issue.

- An asbestos survey was not conducted as part of this Phase I ESA. A significant quantity of discarded building construction materials from demolished structures was observed at the Site, both aboveground and exposed from below the ground surface. Materials observed included shingles, tile, insulation, and concrete. Although the age of the materials observed is unknown, evidence indicates that much of the material discarded at the Site is from structures built before 1980. The potential presence of suspect asbestos containing materials (ACM) discarded below the ground surface is possible given the significant evidence that an abundance of solid waste was historically disposed at the Site. The presence of discarded suspect ACM above the ground surface and the potential presence of discarded suspect ACM below the ground surface at the Site represent an other environmental issue.

- A lead-based paint survey was not completed as part of this Phase I ESA. A significant quantity of discarded building construction materials from demolished structures was observed at the Site, both aboveground and exposed from below the ground surface. Some of the materials (wood, siding) observed had painted surfaces and most of which were in poor condition. Although the age of the materials observed is unknown, evidence indicates that much of the material discarded

at the Site may be from older structures. The potential presence of materials containing lead-based paint represents an other environmental issue.

- Wayne County is located within Radon Zone 3, where average predicted indoor radon levels are less than 2 picoCuries per liter (pCi/L). This information was derived from the United States Environmental Protection Agency (EPA) Radon Map, which is based on indoor radon screening samples compiled by the EPA, geologic and soil analysis, and the foundation types typically found within each zone. The Michigan Radon Database for the 48111 zip code reported an average radon activity of less than 4 pCi/L in 19 sites tested. The Federal Area Radon Information for zip code 48111 reported average radon activities of 0.7 pCi/L in first floor living areas. Basement and second floor living areas were not reported. The EPA safety standard for radon gas in residences is 4 pCi/L and the United States Council on Radiation Protection and Measurement (NCRP) standard is 8 pCi/L. Typical Wayne County radon levels and area property radon data indicate that radon is generally not an issue in Wayne County. However, landfills are a common source of radon. Therefore, radon is considered a potential other environmental issue at the Site.

- EEC observed solid waste in piles aboveground sporadically throughout the Site. In addition, evidence of historic solid waste disposal was observed emerging from the ground over a broad area across the western portion of the Site. The types of waste included general garbage, building construction materials (e.g., concrete, wood, metal, shingles, tile, siding, carpet), household appliances (e.g., refrigerator, freezer, vacuum cleaners), furniture (e.g., chairs, couches), plastic and metal piping, hazardous material containers, scrap metal, and numerous unidentifiable items. The presence of large quantities of solid waste disposed aboveground at the Site represents an other environmental issue.

- The EDR report indicated that the Site is listed on the Facility Index System (FINDS) database. The FINDS database and the EPA Envirofacts website indicated that the Site is listed on the national emissions inventory (NEI) database which contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs). During the Site reconnaissance, EEC did not observe or detect such air emission sources. However, the potential for fugitive air emissions existed at the Site. Potential sources of fugitive emissions included solvents or biodegradation gases emanating from the historic landfill, solvents evaporating from containers discarded aboveground, and chlorofluorocarbons (CFCs) releasing from refrigeration devices discarded aboveground. EEC did not detect abnormal odors in the ambient air during the Site visit. No evidence was observed warranting classification of air emissions as a REC. However, air emissions at the Site are considered an other environmental issue.

- A natural gas pipeline easement for underground distribution exists along the southern portion of the Site, parallel to Ecorse Road. The presence of the buried natural gas pipeline represents an other environmental issue.

drainage systems, oil/water separators, central vehicle fluid (i.e., oil, grease, transmission fluid, etc.) dispensing systems, etc., including taking color photographs showing the location and condition of these observed areas.

- Observing and recording the presence or absence of chemical substances and/or debris onsite, including the number of drums/containers, size, estimated quantity, and a description/identification of the contents where possible.

Task 2 A Site history review was performed to evaluate previous ownership and land use including:

- Local geology/hydrogeology;
- Groundwater well inventory;
- Groundwater use;
- Interviews with local officials from the fire marshal's office, town or city engineer's and assessor's office, etc.;
- Review of information from town or city historical societies, libraries, etc.; and
- Review of historic aerial photographs, Sanborn® or other fire insurance maps, etc.

Task 3 An electronic database search report was generated for the Site by Environmental Data Resources, Inc. (EDR) to complete the environmental records review. The database search was used to identify properties that may be listed in the referenced Agency records, located within the ASTM-specified search radii plus an additional 0.25 mile indicated below. The databases reviewed included, but were not limited to:

Database	Search Radius
NPL sites:	1.25 mile
CERCLIS sites:	0.75 mile
CERCLIS NFRAP sites	0.5 mile
Federal ERNS:	0.25 mile
RCRA non-CORRACTS TSD facilities:	1.25 mile
RCRA CORRACTS TSD facilities:	0.75 mile
RCRA Generators:	0.5 mile
Registered Underground Storage Tanks:	0.75 mile
State Landfills:	0.75 mile
State Leaking Underground Storage Tanks:	0.75 mile

A summary of information is provided for each of the above-listed databases in Section 2.3 of this report. The complete environmental database report is provided in Appendix D.

The database search was supplemented with inquiries with appropriate regulatory agencies and municipalities regarding the Site, and to the extent practicable, adjoining properties. Inquiries were made with regulatory agencies with regard to basic regulatory compliance issues for the subject property, such as Site drainage, permits, etc.

Task 4 A preliminary asbestos, PCB, lead-based paint, and radon review was performed based on: observations of the Site reconnaissance and property location, the age(s) of the buildings, building materials, discussions with the owner/tenant/operator and the local utility company, and the results of the database search discussed in Task 3.

Task 5 The findings of the ESA have been documented in this report, which presents a professional opinion as to the environmental disposition of the Site with regard to the presence of RECs or other or other environmental issues. Recommendations have also been provided, if appropriate, relative to the following: 1) environmental non-compliance issues; 2) additional assessment; 3) environmental practices; and 4) site development/housekeeping issues.

1.2 EXCEPTIONS AND DEVIATIONS

1.2.1 Exceptions

The following exception to ASTM E1527-00 was taken during this Phase I ESA:

- Vegetation and other ground features at the Site could not be fully observed during the Site reconnaissance associated with this assessment due to snow cover. However, EEC made numerous observations of the Site during assessment, geophysical investigation, and fence installation activities performed from 2002 through 2003, until the time that the Site was secured.

1.2.2 Deviations

Deviations from the ASTM Standard 1527-00 included addition of several client-specified, non-ASTM considerations.

- Preliminary review of potential for radon gas presence and accumulation;
- Preliminary Asbestos-Containing Material (ACM) evaluation;
- Preliminary lead-based paint presence evaluation;
- Preliminary Wetlands Identification; and
- Preliminary observations regarding potential environmental regulatory compliance issues.

Evaluation of the Site for these criteria was performed for the purpose of providing a general indication of potential problems; this assessment does not serve as a substitute for radon/ACM/lead paint testing, wetlands delineation or a regulatory compliance audit.

2.0 ASSESSMENT FINDINGS

Information obtained from the sources and activities described in Section 1.0 are presented in the following section. Information supporting the observations in this report is provided in the Appendices. The Site Location Map, Site Map, and Surrounding Properties Map are provided in Appendix A. A list of contacts used to prepare this Phase I ESA report is provided in Appendix B. Appendix B also includes environmental correspondence records from telephone interviews and/or agency visits and resultant data collected. Photographic documentation is provided in Appendix C. The environmental database report is provided in Appendix D. Historical information is provided in Appendix E. Previous reports are referenced and/or included in Appendix F. Resumes of the EEC personnel who prepared this Phase I ESA are provided in Appendix G.

2.1 SITE RECONNAISSANCE

On January 31, 2007, EEC completed the Site reconnaissance. Two EEC representatives performed a one day Site visit and used a handheld Global Positioning System (GPS) device in order to monitor paths, mark landmarks, and mark areas relevant to this assessment. Refer to Figure 2B for a map depicting EEC's path and landmarks identified during the January 31, 2007 Site visit. Because snow cover limited observations and considering that the Site has been secure since 2003, EEC has also included Figure 2C for a map depicting EEC's path and landmarks identified during the August 15, 2002 Site visit.

2.1.1 Site Location and Description

The Site is an approximate 67.88 acre area of undeveloped land located in Van Buren Township, Wayne County, Michigan. The Site is zoned for general industrial use, located in an area surrounded by mixed commercial, agricultural, industrial, residential, and airport properties. The Site is bounded to the north by railroad tracks, to the east by GM's Service Parts Operations (SPO) Warehouse, to the south by Ecorse Road, and to the west by Michigan Avenue.

The Site is vacant and currently not in use. The Site is heavily wooded in many areas. The southern portion of the Site contains thick areas of brush and thatch, while the northern portion has several open areas with a mixture of tall grass and weeds. Review of historical photographs indicated that the Site was undeveloped and cultivated for agricultural purposes as early as 1940. The Site remained vacant and undeveloped until approximately 1966. Review of historical records and aerial photographs indicated that the Van Buren Development Company occupied the Site from approximately 1966 to 1969. During this timeframe, Van Buren Development Company operated a landfill at the Site. The Site has been vacant since the closure of the Van Buren Development Company landfill in approximately 1969. A sitewide REC associated with the historic use of the Site as a solid waste landfill is described in Section 2.1.13.

A chain link fence was observed around the perimeter of the Site. Information contained in a previous report indicated that the fence was installed in 2003 to prevent unauthorized entry and use of the Site for all-terrain vehicle riding, unauthorized disposal of household and building material waste, and unauthorized hunting which included discharge of firearms. During the Site reconnaissance, EEC did not observe evidence which indicated that unauthorized entry had occurred at the Site since the fence was installed.

The Site is accessed from its southwest corner via an entrance gate and path extending from Ecorse Road, and from the east via a gated entrance located west of the GM SPO Warehouse. Refer to Figures 1 through 3 in Appendix A for additional Site features and information. Photographs of the Site are included in Appendix C.

2.1.2 Adjacent Properties

An automobile tour of adjoining properties and a walkabout of the perimeter of the Site were conducted to identify any RECs that may adversely affect the Site. The tour was conducted from public rights-of-way and did not involve entry onto any of the adjoining properties. The adjoining properties are shown on the attached Figure 3 in Appendix A.

Penn Central Railroad exists immediately north of the Site, beyond which exists Harold Smith Bean Field, Michigan Avenue, and a residential trailer park area. The GM SPO Warehouse property exists immediately east of the Site, beyond which exists a vacant and undeveloped area and Denton Road. A hangar building (formerly Johnson Controls) exists southeast of the Site, beyond Ecorse Road and Airport Service Road. Old Ecorse Road exists immediately south of the Site, beyond which exist Ecorse Road (west bound), Ecorse Road (east bound), Old Rawsonville Road, Ypsilanti Pumping Station, Airport Service Road, and the Willow Run Airport. Michigan Avenue exists northwest of the Site, beyond which exist the Penn Central Railroad and G.P. Stiehl Enterprises, LLC.

GM Warehousing and Distribution (a.k.a. GM SPO Warehouse) located at 50000 Ecorse Road, is immediately east of the Site. The Environmental Data Resources, Inc. (EDR) report indicated a release from a leaking underground storage tank (LUST) (Release number C-1692-91) was reported at the facility on August 19, 1991. The contents and quantities of the release were not identified in the EDR report. The LUST case was identified as being open in the EDR report. EEC submitted a FOIA request to the Michigan Department of Environmental Quality (MDEQ) and requested information regarding the open LUST case (Release number C-1692-91) at the adjacent General Motors SPO Warehouse. Review of documentation provided by the MDEQ indicated that a release of an unknown quantity of gasoline was reported on August 19, 1991. Several subsurface investigations were performed to characterize and delineate soil and groundwater contamination in the vicinity of the UST release, which occurred north of the SPO Warehouse building and south of a retention pond associated with the SPO Warehouse property. Concentrations of contaminates were generally delineated within the SPO Warehouse property, and the groundwater flow at the adjacent SPO Warehouse was determined to be east, away from the Site. Therefore, the open LUST case (Release number C-1692-91) at the adjacent GM SPO Warehouse does not appear to present a REC or other environmental issue relative to the Site.

No RECs or other environmental issues were noted in association with adjacent properties.

2.1.3 Underground Storage Tanks

According to Site personnel and the EDR report, there are no underground storage tanks (USTs) currently present at the Site, and no USTs were known to have historically existed at the Site. No evidence of USTs was observed by EEC during the Site reconnaissance. However, the presence of USTs discarded below the ground surface is possible given the significant evidence that an abundance of solid waste was historically disposed at the Site. A sitewide REC associated with the historic use of the Site as a solid waste landfill is described in Section 2.1.13. No other environmental issues were noted in association with USTs.

2.1.4 Aboveground Storage Tanks

According to Site personnel, there are no aboveground storage tanks (ASTs) currently present at the Site, and no ASTs were known to have historically existed at the Site. No records of Site ASTs were listed on the EDR database report, and no ASTs were observed by EEC during the Site reconnaissance. However, the presence of ASTs discarded below the ground surface is possible given the significant evidence that an abundance of solid waste was historically disposed at the Site. A sitewide REC associated with the

historic use of the Site as a solid waste landfill is described in Section 2.1.13. No other environmental issues were noted in association with ASTs.

2.1.5 Hydraulic Equipment

According to Site personnel, there is no hydraulic equipment currently present at the Site, and no hydraulic equipment was known to have historically existed at the Site. No evidence of hydraulic equipment was observed by EEC during the Site reconnaissance. However, the presence of hydraulic equipment and fluids discarded below the ground surface is possible given the significant evidence that an abundance of solid waste was historically disposed at the Site, including waste from industrial manufacturing facilities based on documentation obtained from the Wayne County Department of Environment (WCDOE), Land Resource Management Division, Solid Waste Technical Section. A sitewide REC associated with the historic use of the Site as a solid waste landfill is described in Section 2.1.13. No other environmental issues were noted in association with hydraulic equipment.

2.1.6 Site Drainage and Discharge

Stormwater at the Site infiltrates into the ground. Historical references indicate that clay lining exists beneath the ground surface in areas where landfill trench cells were constructed, which likely impacts the pathway of stormwater to shallow the groundwater table at these locations. Stormwater sewer services are not provided to the Site.

No sanitary sewer line is currently connected to the Site. Sanitary sewer services are provided to surrounding properties by Van Buren Township. No evidence of oil/water separators was observed by EEC during the Site reconnaissance.

Review of historical references indicated that in October 1993, representatives of the Michigan Department of Natural Resources (MDNR) mobilized to the Site in order to investigate a portion of the landfill (along Michigan Avenue) which had been excavated for the Western Townships Utilities Authority (WTUA) sewer project. MDNR representatives walked along the shoulder of the Michigan Avenue Connector and observed the area disturbed during construction activities. The disturbed area sloped away from the shoulder of Michigan Avenue up to a flat area about twenty feet above the road elevation. Near the top of the excavation two to three foot seems of refuse was evident. The seams appeared to extend at least one hundred feet in length along the Michigan Avenue shoulder. A possible leachate seep was found in a pit that had been excavated for some concrete work. The water seeping into the excavation was rust colored and had no detectable odor from the road. The water had completely filled the excavation and was flowing down the slope and onto Michigan Avenue and then into a catch basin located in the road. The MDNR noted the following concerns:

- It was unknown if the waste material excavated during construction was disposed properly.
- Leachate may have been seeping into the storm sewers and eventually into the surface waters.
- Leachate may have contained hazardous components.
- Soil and groundwater samples at Ferrantino's Ash Landfill in Brownstown Township contained heavy metals above the Type B direct contact standards. This ash was also disposed at the Van Buren (Development Company) Landfill.
- Unknown quantities of liquid wastes were disposed into the landfill.
- Sludge from Dearborn refinery was disposed at the Site. The sludge had high levels of sulfuric acid and had potentially contained heavy metals, polychlorinated biphenyls (PCBs), and other organic chemicals.

- The disturbed area should have been restored properly to insure slope stability and prevent leachate seeps.

Based on documentation contained in the WCDOE and MDNR files, the potential exists for leachate generation from stormwater infiltration into the landfills cells and migration to surface waters. A sitewide REC associated with the historic use of the Site as a solid waste landfill is described in Section 2.1.13. No other environmental issues were noted in association with Site drainage.

2.1.7 Other Hazardous Substances and Petroleum Products

EEC observed evidence of hazardous substance and petroleum product containers discarded aboveground at several locations on the Site. Several of the containers observed appeared to be empty. EEC also observed evidence of product containers exposed from below the ground surface. Legible container labels reflected former contents of gasoline, petroleum oil, primer, thinner, lacquer/paint, and several household items. Other product containers were illegible. A sitewide REC associated with the historic use of the Site as a solid waste landfill and an other environmental issue associated with aboveground disposal of solid waste are described in Section 2.1.13.

Review of historical photographs indicated that the Site was undeveloped and cultivated for agricultural purposes as early as 1940. Based on the historic use of the Site as cultivated farmland, agricultural chemicals such as pesticides, herbicides, and fertilizers would have historically been used on the Site. Information regarding historic use, storage, or applications rates was not available. If the chemicals were applied in accordance with manufacturer recommendations, residuals remaining in Site soils would be expected to be similar to other area properties. No information was available to determine whether residual concentrations exceed government use or exposure criteria. Application of agricultural chemicals for intended use is not considered a release and potential residuals remaining would not be considered a REC. However, the potential presence of agricultural chemicals may have resulted in impact to Site soil and groundwater and is therefore considered an other environmental issue.

2.1.8 Suspect Asbestos-Containing Building Materials

An asbestos survey was not conducted as part of this Phase I ESA. No structures containing suspect asbestos containing materials (ACM) were observed by EEC during the Site reconnaissance. However, a significant quantity of discarded building construction materials from demolished structures was observed at the Site, both aboveground and exposed from below the ground surface. Materials observed included shingles, tile, insulation, and concrete. Although the age of the materials observed is unknown, evidence indicates that much of the material discarded at the Site is from structures built before 1980. The potential presence of suspect ACM discarded below the ground surface is possible given the significant evidence that an abundance of solid waste was historically disposed at the Site. The presence of discarded suspect ACM above the ground surface and the potential presence of discarded suspect ACM below the ground surface at the Site represent an other environmental issue.

2.1.9 Lead-Based Paint

A lead-based paint survey was not completed as part of this Phase I ESA. No painted building structures containing suspect lead-based paint were observed by EEC during the Site reconnaissance. A significant quantity of discarded building construction materials from demolished structures was observed at the Site, both aboveground and exposed from below the ground surface. Some of the materials (wood, siding) observed had painted surfaces and most of which were in poor condition. Although the age of the materials observed is unknown, evidence indicates that much of the material discarded at the Site may be

from older structures. The potential presence of materials containing lead-based paint represents an other environmental issue.

2.1.10 Polychlorinated Biphenyls

Site personnel did not have knowledge of PCB-containing materials formerly or currently present at the Site. During the Site reconnaissance, EEC did not observe electrical transformers on the Site. Electricity is provided to surrounding properties from pole-mounted transformers located south and west of the Site along Ecorse Road and Michigan Avenue, respectively.

Review of historical information indicated that sludge from Dearborn refinery was disposed at the Site. Historical information indicated that the sludge potentially contained PCBs. The presence of materials (i.e. sludge, fluorescent light bulbs, etc…) discarded below the ground surface is possible given the significant evidence that an abundance of solid waste was historically disposed at the Site. A sitewiede REC associated with the historic use of the Site as a solid waste landfill is described in Section 2.1.13. No other environmental issues were noted in association with potential PCB-containing materials at the Site.

2.1.11 Radon Gas

Information regarding radon concentrations in the Site vicinity was obtained by EDR. Details regarding this information are presented in the Geocheck® Addendum to the EDR Radius Map Report, which is attached as Appendix D.

Wayne County is located within Radon Zone 3, where average predicted indoor radon levels are less than 2 picoCuries per liter (pCi/L). This information was derived from the United States Environmental Protection Agency (EPA) Radon Map, which is based on indoor radon screening samples compiled by the EPA, geologic and soil analysis, and the foundation types typically found within each zone. The Michigan Radon Database for the 48111 zip code reported an average radon activity of less than 4 pCi/L in 19 sites tested. The Federal Area Radon Information for zip code 48111 reported average radon activities of 0.7 pCi/L in first floor living areas. Basement and second floor living areas were not reported. The EPA safety standard for radon gas in residences is 4 pCi/L and the United States Council on Radiation Protection and Measurement (NCRP) standard is 8 pCi/L.

Typical Wayne County radon levels and area property radon data indicate that radon is generally not an issue in Wayne County. However, landfills are a common source of radon. Therefore, radon is considered a potential environmental issue at the Site.

2.1.12 Woodlands and Wetlands Identification

Van Buren Township regulates woodland areas within its jurisdiction, and published woodland maps depicting the location of these areas. Although the Site is heavily vegetated, maps on file at the township do not depict the existence of regulated woodlands on the Site. A wetland survey or delineation was not conducted for this Phase I ESA. EEC contracted EDR to conduct a records search of the U.S. Fish and Wildlife Service 2002 National Wetlands Inventory (NWI) for the Site and surrounding area. The EDR report indicated that NWI electronic data coverage was not available for the Site. The EDR report also indicated that state wetland electronic data coverage was available for the Site, and that the Site is not located in a state wetland area. State wetland areas are depicted between 0.25 and 2 miles north, northeast, southeast, south, southwest, and west of the Site. Federal Emergency Management Agency (FEMA) flood plain panel data was available for the Site, which indicated that the Site is not located in a

100-year or 500-year flood zone. The nearest federal 100-year flood zone area is depicted approximately 0.75 mile northeast of the Site. Federal 500-year flood zone areas were not depicted within 2 miles of the Site. The nearest mapped surface water is depicted approximately 1 mile southwest of the Site.

During previous investigations and the Site reconnaissance associated with this assessment, EEC observed evidence of wetland-type vegetation (i.e., cattails and grasses) on the south central portion of the Site. However, no regulated wetland areas are depicted on the Site in the EDR report. Furthermore, the area where EEC observed wetland-type vegetation did not appear to be connected to regulated wetland areas. Therefore, based on the information obtained from EDR and the Site reconnaissance, the Site does not appear to contain regulated wetlands.

2.1.13 Solid and Special Waste

Environmental Data Resources, Inc. (EDR) report indicated that the Site is listed on the Inactive Solid Waste Facilities (HIST LF) and Comprehensive, Environmental Response, Compensation and Liability Act – No Further Remedial Action Planned (CERCLA-NFRAP) databases as an inactive Type II landfill with facility identification numbers 82000056 and 0505456, respectively. In response to a request from the Environmental Protection Agency (EPA), GM filed an EPA Form 8900-1 "Notification of Hazardous Waste Site" to satisfy the notification requirements of Section 104(c) of CERCLA on February 3, 1988. Discovery of the Site was recorded on February 8, 1988, and a preliminary assessment was completed on March 21, 1989. Records indicate that the preliminary assessment consisted of a search for information in EPA and Michigan Department of Natural Resources (MDNR) files, and a Site inspection was not conducted based on the premises that there was no evidence of a release of hazardous substances at the Site in these files. The Site was archived by the EPA and received a Non-National Priority List (NPL) status with respect to CERCLA on March 21, 1989. Review of historical records indicated that from approximately 1966 to 1969 the Site was occupied by the Van Buren Development Company and was utilized as a solid waste landfill. Documentation obtained from the Wayne County Department of Environment (WCDOE), Land Resource Management Division, Solid Waste Technical Section indicated that various wastes including incinerator ash from the City of Detroit, demolition waste and domestic refuse from the City of Dearborn, waste paper from Ford Motor Company, and liquid waste inside 55-gallon drums were landfilled at the Site. Other historical information on record at WCDOE indicated that approximately 1,500 to 1,800 gallons of sludge generated from treatment of crankcase oils from Dearborn Refinery may have been disposed at the Site on a daily basis. Historical records indicated that this sludge had high levels of sulfuric acid and had potentially contained heavy metals, polychlorinated biphenyls (PCBs), and other organic chemicals. Records and historical references indicate that landfilling of waste ceased in approximately 1969, prior to General Motors Corporation's purchase of the Site in late 1969. Of note, WCDOE records were not searched or referenced in the MDNR or EPA file search which rendered the decision to archive the Site under CERCLA.

Due to heavy vegetative cover throughout the property, there is currently little visual evidence of the landfill's existence. EEC performed a geophysical investigation in July 2003 which revealed the use of four landfill trench cells in the northeastern portion of the Site, a landfill trench or fill area in the center of the Site, an additional potential landfill cell in the northwest corner of the Site, and several other smaller isolated potential landfill pocket areas across the western portion and center of the Site. Results of the geophysical investigation indicate that landfilled waste may exist below across approximately 30 to 40 acres in the western, northern and central portions of the Site. During the Site reconnaissance and during prior Phase I ESA, geophysical and fence installation projects performed from 2002 and 2003, EEC did observe evidence of below-ground solid waste disposal. Such evidence included exposure of buried waste from the ground in areas which were eroded from all-terrain vehicle driving, and areas where uprooted trees were overturned. Based on the results of EEC's geophysical investigation and information

contained in the WCDOE's files, historic use of a significant portion of the Site as a landfill represents a sitewide REC.

EEC observed solid waste in piles aboveground sporadically throughout the Site. In addition, evidence of historic solid waste disposal was observed emerging from the ground over a broad area across the western portion of the Site. The types of waste included general garbage, building construction materials (e.g., concrete, wood, metal, shingles, tile, siding, carpet), household appliances (e.g., refrigerator, freezer, vacuum cleaners), furniture (e.g., chairs, couches), plastic and metal piping, hazardous material containers, scrap metal, and numerous unidentifiable items. The presence of large quantities of solid waste disposed aboveground at the Site represents an other environmental issue.

2.1.14 Hazardous Waste

The EDR database report does not contain hazardous waste listings for the Site. However, evidence of hazardous waste disposal was observed on the Site. Through observation of product containers, EEC observed evidence that gasoline, primer, thinner, lacquer/paint, and several hazardous household wastes may have been discarded on the Site.

Review of historical records indicated that hazardous wastes may have been disposed at the Site. On April 25, 1969, a representative of the Wayne County Health Department visited the Site and met with a truck driver from Dearborn Refinery in order to observe and take pictures of a liquid acidic waste being disposed at the landfill. The waste was described as slightly viscous and poured readily from a chute on the back of a pick-up truck. The waste material had an offensive, acidic odor. The Wayne County Health Department representative noted that the acidic material would be classified as a hazardous waste and recommended that another solution to get rid of the waste be implemented. Historical records indicated that this sludge had high levels of sulfuric acid and had potentially contained heavy metals, PCBs, and other organic chemicals. Other historical records indicated that several 55-gallon drums containing unidentified liquids were disposed at the landfill. A sitewide REC associated with the historic use of the Site as a solid waste landfill is described in Section 2.1.13. No other environmental issues were noted in association with hazardous waste generation, handling, or disposal.

2.1.15 Air Emissions

The EDR report indicated that the Site is listed on the FINDS database. The FINDS database and the EPA Envirofacts website indicated that the Site is on the national emissions inventory (NEI) database which contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs). During the Site reconnaissance, EEC did not observe or detect such air emission sources. However, the potential for fugitive air emissions existed at the Site. Potential sources of fugitive emissions included solvents or biodegradation gases emanating from the historic landfill, solvents evaporating from containers discarded aboveground, and chlorofluorocarbons (CFCs) releasing from refrigeration devices discarded aboveground.

EEC did not detect abnormal odors in the ambient air during the Site visit. No evidence was observed warranting classification of air emissions as a REC. However, air emissions are considered an other environmental issue. No RECs were noted in association with air emissions.

2.1.16 Spills/Releases

No Site releases were identified in the EDR database report. EEC did not observe evidence of spills or releases during the Site reconnaissance. However, EEC observed numerous empty or rusted product

containers with hazardous substance labels and identifiable containers on the Site, both aboveground and exposed from below the ground surface. In addition, review of historical records indicated that several 55-gallon drums containing unidentified liquids were disposed at the landfill. Furthermore, agency files contained documentation of potential leachate seeps from the Site. A sitewide REC associated with the historic use of the Site as a solid waste landfill is described in Section 2.1.13. No other environmental issues were noted in association with spills or releases.

2.1.17 CERCLA Liability Potential

The Site is not listed on the NPL or in the State Hazardous Waste Site Database. There is no documentation that the Site has received notification from any government agency or third party of liability as a potential responsible party for any hazardous waste treatment, storage, or disposal onsite. There is no documentation that the Site has defended any environmental-related claims or litigation asserted by any governmental agency or third party, and no potential claims or litigation presently exist.

However, the EDR report indicated that the Site is listed on the CERCLA-NFRAP database as an inactive Type II landfill with facility identification number 0505456. In response to a request from the EPA, GM filed EPA Form 8900-1 "Notification of Hazardous Waste Site" to satisfy the notification requirements of Section 104(c) of CERCLA on February 3, 1988. Discovery of the Site was recorded on February 8, 1988, and a preliminary assessment was completed on March 21, 1989. Records indicate that the preliminary assessment consisted of a search for information in EPA and MDNR files, and a Site inspection was not conducted based on the premises that there was no evidence of a release of hazardous substances at the Site in these files. The Site was archived by the EPA and received a Non-National Priority List (NPL) status with respect to CERCLA on March 21, 1989. Of note, WCDOE records were not searched or referenced in the MDNR or EPA file search which rendered the decision to archive the Site under CERCLA. A sitewide REC associated with the historic use of the Site as a solid waste landfill is described in Section 2.1.13.

2.2 SITE HISTORY REVIEW

2.2.1 Property Usage

City Directories

EEC contracted EDR to perform a City Directory search of adjacent street addresses. City Directory listings were available from EDR for the years 1973 through 2002. However, City Directory listings were not available for the Site. For adjacent and surrounding properties, General Motors Corporation was listed at 50000 Ecorse Road in 1982 and 1987. No other occupied addresses were listed.

The City Directory report with adjacent street address listings is included in Appendix E. No RECs or other environmental issues were noted in association with the city directory search.

Sanborn® Fire Insurance Maps

Sanborn® Fire Insurance Maps assist in the identification of historic land use and commonly indicate the existence and location of aboveground and underground storage tanks, structures, improvements and facility operations. No Sanborn® Fire Insurance Maps were reported to be available for the Site in the EDR Historic Map Collection. Documentation of No Sanborn® Map Coverage is included in Appendix E.

Aerial Photographs

Aerial photographs assist in the identification of Site features and outdoor activities of potential environmental concern. Aerial photographs obtained from EDR for the years 1940, 1957, 1964, 1972, 1985, 1994, the United States Geological Survey (USGS) for the years 1966 and 1970, Air-Land Surveys, Inc. for 2003, and Google Earth on the Internet for a recent unknown date. The aerial photographs were reviewed by EEC and are included in Appendix E. The following is a summary of EEC's interpretation of features observed on the aerial photographs:

1940: The 1940 aerial photograph depicts the Site and surrounding properties as being cultivated for agricultural use, with the exception of two isolated wooded areas. No structures are depicted on the Site. The Penn Central Railroad is depicted north of the Site, beyond which existed additional agricultural land. Agricultural land and residential homes are depicted east of the Site. A road is depicted south of the Site, beyond which existed agricultural land. A road is depicted west of the Site, beyond which existed agricultural land.

1957: The 1957 aerial photograph depicts the eastern portion of the Site as cultivated for agricultural use. The western portion of the Site is depicted as vegetated and wooded. A residential home is depicted on the southern portion of the Site, along Ecorse Road. The Penn Central Railroad is depicted immediately north of the Site, beyond which existed agricultural land and Michigan Avenue. Agricultural land and residential homes are depicted east of the Site. Ecorse Road is depicted immediately south of the Site, beyond which existed the Willow Run Airport. A large building is depicted southwest of the Site, beyond Ecorse Road. Michigan Avenue and Ecorse Road are depicted immediately west of the Site, forming the current northwest and southwest boundaries of the Site, respectively.

1964: The 1964 aerial photograph depicts a small trail on the western portion of the Site, off of Michigan Avenue. No other significant discernable changes were depicted on the Site and surrounding areas from the 1957 aerial photograph.

1966: The 1966 aerial photograph depicts a perimeter ditch associated with landfill use (also documented in previous WCDOE records) along the northern and northwestern boundary of the Site, along the Penn Central Railroad and Michigan Avenue. A small trail which connects Ecorse Road and the soil disturbances on the northern portion of the Site is depicted along the eastern boundary of the Site. The trail is also depicted between the structures associated with the residential home on the southern portion of the Site. Several commercial buildings, a river, and hangars are depicted southwest of the Site, beyond Ecorse Road, immediately west of the Willow Run Airport runways. No other significant discernable changes were depicted on the surrounding properties from the 1964 aerial photograph.

1970: The 1970 aerial photograph depicts significant soil disturbance activities on much of the Site. Areas of soil disturbances are depicted on the southeastern portion of the Site. Disturbed soil and construction activities are depicted immediately east of the Site, beyond which existed vacant and undeveloped land, agricultural land, residences, and Denton Road. No other significant discernable changes were depicted on the surrounding areas from the 1966 aerial photograph.

1972: The 1972 aerial photograph depicts much of the Site with disturbed soil. Vacant and undeveloped land, and trails were depicted in the southeastern portion of the Site. A railroad spur is depicted outside the northern boundary of the Site. The railroad spur leads directly to the newly constructed GM SPO facility, which is depicted immediately east of the Site. Much of the area surrounding the GM SPO building appears to be paved with concrete or

asphalt. Several small structures, two ASTs, and a retention pond are depicted between the GM SPO facility and the Penn Central Railroad. No other significant discernable changes were depicted on the surrounding properties from the 1970 aerial photograph.

1985: The 1985 photograph depicts much of the Site as vacant and undeveloped. Patchy wooded areas and small soil disturbances are depicted throughout the Site. No significant discernable changes were depicted on the surrounding properties from the 1972 aerial photograph.

1994: The 1994 photograph depicts much of the Site as wooded. Soil disturbances are depicted along the northwestern boundary of the Site, along Michigan Avenue. No significant discernable changes were depicted on the surrounding properties from the 1985 aerial photograph.

2003: The 2003 photograph depicts the Site as heavily wooded. Several off-road trails are depicted throughout the Site. Two access trails to the Site are depicted on the southern portion of the Site, off of Ecorse Road.

Recent: The recent photograph depicts the Site as heavily wooded. Significant evidence of off-road trails was not observed. No other significant discernable changes were depicted on the Site and surrounding properties from the 2003 aerial photograph.

A REC associated with former use of the Site as a landfill as depicted by the ditch in the 1966 aerial photograph and disturbed soil in the 1970 and 1972 aerial photographs is described in Section 2.1.13. Details regarding an other environmental issue associated with the Site's former agricultural use are described in Section 2.1.7.

2.2.2 Regional Geology

Information regarding the regional geology in the Site vicinity was obtained from the Geocheck® Addendum to the EDR Radius Map Report and a previous investigation at the nearby GM SPO Warehouse property. The Site is located approximately 716 feet above mean sea level. The topographic gradient in the area surrounding the Site slopes gradually to the north.

EDR regional data indicates that the surface soil texture in the area of the Site is sandy loam. The soil component name is WASEPI. Soils do not meet the requirements for a hydric soil. Soils are described as having moderate infiltration rates. EDR describes soil layers as: sandy loam from 0 to 13 inches below ground level (bgl), loamy sand from 13 to 17 inches bgl, sandy loam from 17 to 30 inches bgl, and sand from 30 to 60 inches bgl. Soils encountered during a previous investigation were described as: brown sand and gravel, coarse grey sand, stiff moist silty blue clay, sandy brown topsoil, oxidized medium brown sand, and brown topsoil down to approximately 25 feet bgl. Underlying the surface, shallow, and deeper soils are the bedrock deposits classified as Paleozoic Era, Devonian System, and Upper Devonian Series.

2.2.3 Regional Hydrogeology

Information regarding the regional hydrogeology of the Site vicinity was obtained from the Geocheck® Addendum to the EDR Radius Map Report and a previous investigation. One AQUIFLOW® point was reported between 0.5 and 1 mile west-northwest of the Site. However, the groundwater flow direction and the static water level were not provided for the AQUIFLOW® point. Based on the area topography and the presence of nearby wetland areas, the estimated depth to groundwater in the vicinity of the Site is approximately less than 10 feet bgl. Groundwater was previously encountered at the Site at depths

ranging from 4.5 to 5.5 feet bgl. Based on the area topography and proximity of the Old Smith Drain and the Old Ayers Drain, the inferred localized groundwater flow direction is likely to the east. In addition, during a subsurface investigation at the adjacent GM SPO Warehouse, the groundwater flow direction was determined to be towards the east. However, localized groundwater flow direction may vary based on several factors. A hydrogeologic investigation would be required to make a more definitive determination of the localized groundwater flow direction.

2.2.4 Previous Investigations

EEC reviewed the following previous reports, letters, and memorandums relevant to the Site. Below is a summary of material information presented in the documentation:

- Wayne County Health Department, Land Evaluation Survey Form for Proposed Sanitary Landfill Area, Van Buren Development Company Landfill, Ecorse Road, Van Buren Township, Wayne County, Michigan; January 16, 1967.

    - Information contained in the survey form indicated that the Site was used to mine sand with limited excavations of 15 feet bgl. Mr. Ferrantino (owner of the Van Buren Development Company) indicated that the water table at the Site could have been permanently lowered. If not, Van Buren Development Company would build clay dikes to exclude groundwater. Van Buren Development Company had a permit from Van Buren Township to dispose of incinerator ash at the Site. The Wayne County Health Department representative indicated that Van Buren Development Company could not fill on the Site to less than two feet above the high water table.

- Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Ecorse Road, Van Buren Township, Wayne County, Michigan; January 24, 1968.

    - On January 18, 1968, a representative of the Wayne County Health Department visited the southwest quarter of Section 6 of Van Buren Township. Van Buren Development Company proposed to use the Site as a sanitary landfill for disposal of municipal incinerator residue.

        - The filling permit from Van Buren Township restricted Van Buren Development Company to excavate to a depth no greater than 12 feet bgl. The permit indicated that because of the Site's higher topography in the northern portion, Van Buren Development Company would be able to excavate to depths of 15 to 16 feet bgl in the northern portion of the Site.

        - Subsequent to the Wayne County Health Department representative's Site visit, the representative indicated that the Van Buren Development Company should install soil borings at the Site in order to investigate soil and groundwater conditions.

        - Mr. Ferrantino indicated that he would have had no difficulty with the permanent groundwater table at the Site. He based his opinion on his knowledge of the general topography and water table conditions at the Wayne Sand and Gravel Pit located near the intersection of Hannan and Tyler Roads in Van Buren Township, and his knowledge of his own mining operations on Wick Road approximately one-quarter mile east of Wayne Road.

- Michigan Drilling Company, 14555 Wyoming Avenue, Detroit, Michigan, Soils Exploration Activities at Ecorse Road; February 2, 1968.

    - Michigan Drilling Company performed soils exploration activities at the Site which included the installation of three soil borings down to 25 feet bgl.

  - Groundwater was encountered in the borings at depths ranging from 4.5 to 5.6 feet bgl.
  - The following soil types were described in the boring logs included with the letter:
    - Brown sand and gravel;
    - Coarse grey sand;
    - Stiff moist silty blue clay;
    - Sandy brown topsoil;
    - Oxidized medium brown sand; and
    - Brown topsoil.

- Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Ecorse Road, Van Buren Township, Wayne County, Michigan; March 21, 1968.
  - On March 14, 1968, a representative of the Wayne County Health Department visited the Site to determine the operating conditions and the extent of Site preparation.
    - The access road had been completed. Huron Valley Steel Company had completed a magnetic separation unit and processing was active. Disposable residue from the separation unit was being stockpiled back in the tree line above the original grade. A drag line was being used for the first clay-lined cell.
    - The representative expressed concerns to Mr. Ferrantino about his ability to building water-tight cells under the existing groundwater conditions at the Site. Mr. Ferrantino remained confident that this could be accomplished with minimum time and difficulty. The representative indicated that if building water tight cells didn't appear to be feasible, another location would have to be utilized in order to dispose the incinerator ash.
    - The representative documented that a small house was moved onto the Site, adjacent to the access road. This house was utilized as a control point for vehicles and personnel entering the Site.

- Van Buren Township Sand Removal and Fill Permit; April 11, 1968.
  - The permit indicated that an application had been filed before the Van Buren Township Board of Appeals on March 23, 1966, by the Van Buren Development Company. Permission was granted to the aforesaid company for the excavation of sand and the refilling of the excavation with suitable materials.

- Letter to the Michigan Department of Public Health, Environmental Health Planning Unit, Division of Engineering, Lansing, Michigan; June 3, 1968.
  - The Wayne County Health Department representative discussed the closing of three landfills in the Detroit area and also indicated that the Van Buren Development Company landfill on Ecorse Road had opened since Michigan Act 87 was passed.

- Letter to the Michigan Department of Public Health, 3500 North Logan Street, Lansing, Michigan; July 30, 1968.

- The Wayne County Health Department recommended that a solid waste disposal area license be issued for the Site with the following stipulations:
    - Spread and compact incinerator residue or demolition wastes immediately upon arrival.
    - Install observation wells within 60 days.
    - Expedite work on the drainage ditch and clay barrier around the limits of the fill Site.

- Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Ecorse Road, Van Buren Township, Wayne County, Michigan; August 1, 1968.
    - On April 18, 1968, a representative of the Wayne County Health Department visited the Site to determine its operating condition.
        - The representative found that the perimeter ditch had been partially dug along the north property line. It was completed and approximately eight feet below grade over the mutual boundary with the railroad right-of-way. The electric pump was available at the northeast corner of the Site but was not usable because Detroit Edison Company had not installed its meter. A gasoline driven portable pump was available for use in dewatering the trench or cell if necessary.
        - The representative documented that Mr. Ferrantino had been preoccupied with activities at the Penn Landfill where he was attempting to complete that operation. Consequently, he had not given his full attention to the Van Buren Landfill, and this was evident because regular daily covering of the processed incinerator residue had not been implemented. The residue was being deposited west of cell number one, well above the water table. The representative advised Mr. Ferrantino that he should make arrangements so that either the Huron Valley Steel Corporation or his own crew would provide the required earth cover.
        - The representative documented that considerable amounts of demolition wood and other demolition materials and wood chips had been delivered and were stockpiled along the northern boundary of the Site. The material had accumulated so that an area of seven-hundred or eight-hundred feet was stockpiled from five to eight feet high, and another adjoining area had four-hundred feet by four-hundred feet of similar material.

- Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Ecorse Road, Van Buren Township, Wayne County, Michigan; August 1, 1968.
    - On May 23, 1968, a representative of the Wayne County Health Department visited the Site and met with Mr. Ferrantino.
        - At the time of the representative's Site visit, Mr. Ferrantino was filling cell number one with both demolition wood and processed incinerator residue. The sides of the cell were lined with clay.
        - No additional work had been undertaken on the major drainage ditch and clay barrier around the periphery of the Site. Some sand was being sold from the premises.
        - The representative and Mr. Ferrantino discussed observation wells which were on the plans for the landfill. Mr. Ferrantino indicated that he would secure the materials and install the wells.

  - A fire which occurred at the landfill in May 1968 consumed most of the stockpiled demolition wood. Mr. Ferrantino was in the process of moving the remainder of the wood into cell number one for burial. There had been several small fires and the representative asked Mr. Ferrantino what precautions he was taking to prevent all of the material from burning. Mr. Ferrantino indicated that he planned to dig some special trenches and bury the material.

- Letter to the Wayne County Health Department, Eloise, Michigan; August 5, 1968.

  - This letter from Mr. Ferrantino indicated that the orders from the Wayne County Health Department to prevent open burning at the Site were duly noted. Mr. Ferrantino further indicated that they had issued orders for closer examination of the loads of incinerator ashes being shipped by the City of Detroit. Mr. Ferrantino further indicated that any truck with evidence of a fire would be returned to the originating incinerator plant. The City of Detroit was also advised.

  - Mr. Ferrantino indicated that they would be able to cover the landfill area on a daily basis with the purchase of new equipment. Mr. Ferrantino further indicated that these actions would help prevent accidental fires at the Site.

- Letter to the Michigan Department of Public Health, 3500 North Logan Street, Lansing, Michigan, Van Buren Development Company, Van Buren Township, Wayne County, Michigan; August 13, 1968.

  - This letter indicated that the Wayne County Health Department sent the engineering plans for the Van Buren Development Corporation Landfill in Van Buren Township. The Wayne County Health Department recommended that a license be issued with the stipulations previously provided.

- Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Van Buren Township, Wayne County, Michigan; August 20, 1968.

  - On August 15, 1968, a representative of the Wayne County Health Department visited the Site in order to determine operating conditions.

    - The representative documented that that the operator was doing a satisfactory job of constructing the trenches.

    - The representative indicated that there were places where water was leaking through refuse. Two of theses areas were considered problem areas. At the north end of the property where incinerator residue was filled into the peripheral ditch there was an impoundment of water behind a clay dike. The water was black and obviously leaked from the incinerator residue. The Wayne County Health Department representative recommended that Mr. Ferrantino pump the leakage into trench number one and then complete the filling of the area behind the clay dike so that this would no longer be a problem. Another location where a problem was identified was just east of the entrance road and perhaps 400 feet north of the patrol building. The Huron Valley Steel Company had been extracting various metals from incinerator residue. In June 1968, the Huron Valley Steel Company stopped the operation and left a large accumulation of processed and unprocessed incinerator residue. To satisfy Van Buren Townships insistence that these materials be buried promptly, Mr. Ferrantino opened up a small trench and pushed the accumulated processed and unprocessed material into the trench which was not lined with clay. The representative documented that there would be leaking of

decomposable and corroded materials into the water but in view of the long distances this material would have to travel there would be no evident problem created by the situation.

- The third leaking area was at the far northwest corner of the Site where a portion of the peripheral trench had been banked off and incinerator residue and domestic refuse from the City of Dearborn and perhaps other location was deposited into the water. The representative documented that because this area was lined with clay there would be no problem with polluted water migrating off-site.

- Mr. Ferrantino accepted material other than incinerator residue. The City of Dearborn was bringing material to the Site from its transfer station and the Wayne County Health Department representative observed a considerable amount of unburned office waste from the Ford Motor Company.

- The Wayne County Health Department representative documented that the City of Dearborn transfer rig was delivering refuse and disposing it on the Site. The load was disposed approximately 200 feet south of the New York Central Railroad Bridge over the Michigan Avenue bypass.

- The Wayne County Health Department representative indicated that the department expected appropriate modifications of the conditions at the Site so that all statutory requirements were met by August 23, 1968. The representative further indicated that another Site visit would be completed within one week to determine progress and decide whether or not the department needed to take legal action to insure the absence of nuisances or health problems caused by the operation.

- Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Van Buren Township, Wayne County, Michigan; August 27, 1968.

  - On August 27, 1968, a representative of the Wayne County Health Department visited the Site at the request of Mr. Ferrantino.

    - Refuse was no longer being disposed into the water. Two or three small areas that had not been adequately covered. Mr. Ferrantino indicated that he would have these areas covered within the next few days.

    - All of cell number one was covered with earth. However, it was not yet of final grade and several more feet of refuse would be disposed primarily at the north end of the cell. Cell number two was essentially at finish grade but there was a very small portion at the north end that needed to be filled and covered. It appeared that there was an acceptable amount of cover being placed on the refuse in the cell.

    - The two cubic yard dragline excavated clay from cell number three. Mr. Ferrantino expected cell number three to be excavated and lined within one week. Then he would pump all of the water from the cell and be prepared for deposition of refuse at the location.

    - Provided the operation continued at the level observed during this Site visit, the representative indicated that the landfill would be able to be re-licensed. There was no evidence of open burning at the Site. Mr. Ferrantino clamed to have turned back a good number of smoldering or burning loads. Mr. Ferrantino further indidcated that he would soon install the observation wells which were on the engineering plans and which were required by the license.

  - The representative documented that good operating procedures were observed during the Site visit on August 29, 1968. The east half of cell number three was nearly completed and the crane operator expected to begin excavating clay on the west half shortly after Labor Day.

- Wayne County Health Department Memorandum, Ferrantino's Landfill File, Van Buren Township, Wayne County, Michigan; September 18, 1968.

  - On September 18, 1968, a representative of the Wayne County Health Department visited the Site and found that there was no burning present and that the landfill operation was fairly good. The only problem present was that the refuse was not completely covered each night. A crane was digging out a ditch parallel to the refuse that was being disposed near the rear of the landfill. A portable pump was being used to empty the water that accumulated in the ditch.

- Wayne County Health Department Memorandum, Van Buren Development Corporation Landfill File, Van Buren Township, Wayne County, Michigan; October 29, 1968.

  - An earth barrier approximately six feet high was placed along the property line just north of Ecorse Road to at least partially shield the operation from cars on Ecorse Road. Refuse being received included incinerator residue, demolition wastes, and typical municipal refuse from at least the City of Dearborn. This material was being deposited in the same location with no attempt at separation. Huron Valley Steel Corporation was not extracting ferrous metals from the incinerator residue at that time.

  - Refuse was being placed at the south end of cell number three. The drag line was completing sand removal from the trench number four. At the time of the Site visit, it appeared that the drag line operator was going to begin excavating clay to line with sides of the trench. Several problems were evident at the time of the Wayne County Heath Department representative's Site visit. The representative documented the following problems at the landfill:

    - Water leaching into the west end of trench number four from original filling operations were black in character and typical of water leaching through incinerator residue.

    - The east end of trench number four intersected on the south end of trench number three and there was no adequate earth barrier between the two trenches.

    - It was evident that daily earth cover was not being placed on the refuse. Also, the exposed surface of refuse at the south end of trench number three indicated plainly that cover had not been placed on top of the refuse for several days. Some refuse had blown or been pushed into the water found in trench number three. The water was partially from precipitation and partly from very minor seepage through the east clay wall.

- Wayne County Health Department Establishment File, Open burning complaint from Bruce Davis, Van Buren Township, Wayne County, Michigan; December 10, 1968.

  - On December 10, 1968, Van Buren Disposal contacted the Wayne County Health Department regarding black smoke to the west of the Site. The Wayne County Health Department representative investigated the complaint and the only smoke that was noticed was from the Michigan Consolidated Natural Gas Plant Operation at Michigan Avenue, west of Denton Road.

    - The Wayne County Health Department representative spoke with the foreman. The foreman indicated that they had a problem regarding some oil within some of their equipment and it had been diverted to their constantly lit pilot light and had initially given off a large amount

of black smoke. The foreman indicated that it was not a frequent occurrence. The Wayne County Health Department representative indicated that it did not appear to be a problem; however, it was advisable to periodically observe the situation for better evaluation.

- Wayne County Health Department, Memorandum, Van Buren Refuse File, Van Buren Township, Wayne County, Michigan; December 12, 1968.
  - On December 9, 1968, a representative of the Wayne County Health Department visited the landfill and made the following observations:
    - Refuse was not being covered every day and from the amount being compacted, it was estimated that it was several days since an earthfill was placed. An equipment operator indicated that the reason for this was because their tractor and dirt hauler were out of operation since December 5, 1968. The operator further indicated that the equipment was in working order and the exposed field would be brought up to grade and that two feet of earth cover would be compacted in place. The Wayne County Health Department representative found this statement to be questionable since the landfill operator was so close to grade it might have forgone the intermediate six inch cover in lieu of the two foot cover at the final grade.
    - The salvaging operation appeared to be very efficient, as there was little refuse being stored in the interim period after being dropped from the trucks and after the refuse was compacted. A problem which was noted was that the operators of the crane with the magnetic boom quit at 4:30 PM while the landfill closed at 6:30 PM. As such, when the operators returned to their positions in the morning, approximately ten loads of refuse would be waiting for them. The Wayne County Health Department representative recommended that the two crews quit each day at the same time, which would have alleviated the problem.
    - A new cell was excavated perpendicular and to the south of the other cells, and was divided at the easterly end by a temporary road. The westerly portion of the cell was clay lined, and no potential problems existed. The easterly portion was not clay lined, and therefore it was presumed that filling would not take place until this portion was brought up to standards.
    - It was noted that although the earth cover operation was not up to standards, it was generally free of nuisance and the Site was operated in a manner consistent with good environmental conditions.

- Letter to the Van Buren Development Company Landfill, Van Buren Township, Wayne County, Michigan; January 31, 1969.
  - A representative of the Wayne County Health department indicated that the landfill was visited on January 31, 1969 in order to determine the operating conditions.
    - Trench number four was being filled with general refuse and incinerator residue. The general refuse had been covered with incinerator residue. There appeared to be no problem at that time.
    - Two trucks were discarding liquids into the landfill from 55-gallon drums. The Wayne County Health Department advised the landfill operator that liquids were not allowed to be accepted at the Site. Mr. Ferrantino subsequently indicated that he would contact the companies that delivered the waste to the landfill and let them know that these wastes would no longer be accepted.

  - Trench number five, located in the far northwest corner of the Site, was approximately one third excavated. Mr. Ferrantino expected that this trench would be excavated completely and the sides aligned with clay at least two weeks before any placement into the trench.

  - Provided that discarding of liquids was terminated, the Wayne County Health Department concluded that the operation was conducted in a satisfactory manner.

- Letter to the Michigan Department of Public Health, Environmental Health Planning Unit, Division of Engineering, RE: Van Buren Development Company Landfill, Ecorse Road, Van Buren Township, Wayne County, Michigan; March 13, 1969.

  - This letter indicated the Wayne County Health Department forwarded the Michigan Department of Public Health the engineering plans and related licensing materials for the Site because the method of operation had changed from the concept of trenching the periphery of the Site to one of building individually clay lined refuse cells. The plans were modified and the peripheral trench was shown as an alternate method for Site development. Refuse was placed in individual lined cells. The Wayne County Health Department observed the excavation lining and the dewatering of each cell prior to placement of any refuse. This method of cell construction had worked satisfactorily, and the Wayne County Health Department recommended the issuance of a solid waste disposal area license with the following stipulations:

    - The Site was to spread and compact refuse as it was received. At the end of each day's operation, refuse was to be covered with at least six inches of earth.

    - The Site was to install monitoring wells no later than April 30, 1969.

    - The Site was to submit for a license with revised engineering plans which clearly showed that portion of the Site which was filled to final grade and elevations of the filled areas.

- Michigan Department of Public Health, Application License for the Van Landfill, Wayne County, Michigan; April 1, 1969.

  - This letter indicated that the Site was issued a license for a solid waste disposal facility with license number 4460. The Site was issued the license with the following stipulations:

    - The Site was to spread and compact refuse as it was received. At the end of each day's operation, refuse was to be covered with at least six inches of earth.

    - The Site was to install monitoring wells no later than April 30, 1969.

    - The Site was to submit for a license with revised engineering plans which clearly showed that portion of the Site which was filled to final grade and elevations of the filled areas.

- Michigan Department of Public Health, Letter to Mr. Ferrantino, Sludge residue from Dearborn Refinery Treatment of crankcase oils; April 28, 1969.

  - This letter indicated that the Michigan Department of Public Health received a request through the Wayne County Health Department for permission to dispose of the sludge residue from the Dearborn Refinery operation in the solid waste disposal facility located at 50700 Ecorse Road, Belleville, Michigan, in Wayne County.

    - A sample of the material was submitted to the Michigan Department of Public Health for examination. The tar-like material was examined, and apparently the acidity (sulfuric acid)

was of primary concern. The material had the potential to increase the iron and sulfite and could increase the hardness of any water by direct contact. It was suggested that the material be neutralized with lime before being disposed at the Site. This would also cut down on the fumes emanating from the material. It was further suggested that if Mr. Ferrantino wished to dispose of this material on the Site that a dry area with a clay base and clay sidewalls be utilized. The department recommended that an effort be made to mix the tar-like material with high concentration of paper and cardboard if the waste was to be mixed with other wastes.

- The Michigan Department of Public Health indicated that there was a need to instruct the operating personnel at the Site with some safety precautions in handling the material. The Michigan Department of Public Health indicated that the operating personnel at the Site should have covered the material immediately upon disposal. In addition, approximately one load per day of between 1,500 to 1,800 gallons of the tar-like material would be delivered to the Site.

- The Michigan Department of Public Health suggested that the Wayne County Health Department be consulted concerning suitable areas that could have been utilized for the disposal operation and also for assistance with setting up appropriate handling techniques. While the letter provided general approval for the Site to accept the particular waste, it in no way intended to indicate that it was an irrevocable position. The Michigan Department of Public Health suggested that the Wayne County Health Department monitor the process and if problems existed, the policy with reference to the Site accepting the waste for final disposal could have been changed.

- Memorandum, Ferrantiono Landfill File, Discarding liquid waste in the landfill; April 29, 1969.

  - On April 25, 1969, Michael Andrews visited the Site and met with a truck driver from Dearborn Refinery in order to observe and take pictures of a liquid acidic waste being disposed at the landfill. The waste was described as slightly viscous and poured readily from a chute on the back of a pick-up truck. The waste material had an offensive, acidic odor which rapidly disappeared by the air movement. The landfill was being operated according to standards since the only material that was not covered was the material that was hauled on April 25, 1969. Mr. Andrews noted that they were digging a new trench parallel to the one that was being filled at that time. Mr. Andrews also noted that the acidic material would be classified as a hazardous waste and he recommended that another solution to get rid of the waste be implemented.

- Letter to Edward Kubiska, Township Engineer, Ypsilanti Township, 1165 Ecorse Road, Ypsilanti, Michigan; July 9, 1969.

  - Mr. Ferrantino of the Wayne Disposal Company requested that a representative of the Wayne County Health Department write a letter to the Ypsilanti Township Engineer indicating the type and extent of landfilling proposals in Section 18 of Van Buren Township, Wayne County.

    - The letter indicated that Mr. Ferrantino submitted engineering plans for enclosure of Willow Creek and the sanitary landfilling of the Willow Creek ravine from the new right-of-way line for I-94 upstream to the vicinity of the county line.

    - The Health Department indicated that they were reviewing the sanitary landfilling aspects of the proposal. Once approval for the tiling of Willow Creek was received from the Michigan Water Resources Commission and it was satisfied with arrangements for ownership and

maintenance of design, it expected to be recommending issuance of a sold waste disposal area license for the Site.

- Letter to Michael Ferrantino, RE: Van Buren Development, Inc., Van Buren Township, Wayne County; August 5, 1969.

  - A representative of the Wayne County Heath Department wrote a letter to Michael Ferrantino indicating that the license to operate the solid waste disposal facility was going to expire on September 1, 1969.

- Letter from Michael Ferrantino to the Michigan Department of Environmental Health, Division of Engineering, Lansing, Michigan; August 30, 1969.

  - Mr. Ferrantino of the Wayne Disposal Company advised the Michigan Department of Environmental Health, Division of Engineering, that the Site was sold to General Motors Corporation with the agreed understanding that Wayne Disposal would vacate the Site no later than November 19, 1969.

- Memorandum, Wayne County Health Department, Van Buren Development Company, 5070 Ecorse Road, Van Buren Township, Michigan; August 2, 1984.

  - A representative of the Wayne County Heath Department visited the Site on July 3, 1984. The "leachate" spring indicated in Mr. Mckenna's report was found in a county road ditch. The spring was flowing at the time with clear and odorless water. However, there was an orange/brown scum floating on top of the water. The spring may be natural because it was flowing during an extended dry spell and clarity of the water. Also there was no visible recharge area on top of the fill near the spring. The orange-brown scum may have been due to an iron rich sand seam that the water passes through. The phenomenon of the orange/brown scum in natural seeps had been observed in other parts of the county. The Wayne County Health Department recommended that pH and conductivity tests be performed on the water. If the pH and conductivity results differ greatly from what one would expect for the perched water table, then further investigation was warranted.

- GM Argonaut Realty, Letter to Environmental Protection Agency, RCRA Activities, Site Notification, Region V; February 3, 1988.

  - The letter indicated that from 1969 through 1970, General Motors Corporation acquired and assembled a tract of approximately 1,000 acres in Van Buren Township, Michigan for possible GM use. In August 1987, GM authorized sale of a portion of the property to the Wayne County Airport Authority since it was no longer needed. While preparing for the sale or lease of a part of the property, GM Argonaut Realty personnel searched existing governmental records and became aware of the closed Van Buren Development Company landfill Site. GM was not planning to sell the Site. It was unknown at that time whether the Hazardous Waste Site Notification as required under Section 103(c) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) was filed with the Agency by the owner and/or operator of the facility at the time of disposal. In consideration of the extant circumstances, General Motors filed EPA Form 8900-1 "Notification of Hazardous Waste Site" to satisfy the notification requirements of Section 104(c) of CERCLA.

- Michigan Department of Natural Resources, Environmental Response Division, No Further Remedial Action for Inspection Letter; February 17, 1989.

- The letter indicated that there was no information in either EPA or Michigan Department of Natural Resources files which gave evidence that there was a release of hazardous substances at the Site. As such, the Site received a No Further Remedial Action for inspection.

- Letter to Tom McNulty, RE: Van Landfill excavation, Northeast Corner of Ecorse Road and Michigan Avenue, Van Buren Township, Michigan; October 8, 1993.

  - Representatives of the MDNR mobilized to the Site in order to investigate a portion of the landfill (along Michigan Avenue) which had been excavated for the WTUA sewer project. MDNR representatives walked along the shoulder of the Michigan Avenue Connector and observed the area disturbed during construction activities. The disturbed area sloped away from the shoulder of Michigan Avenue up to a flat area about twenty feet above the road elevation. Near the top of the excavation two to three foot seems of refuse was evident. The seam appeared to extend of at least a hundred feet. A possible leachate seep was found in a pit that had been excavated for some concrete work. The water seeping into the excavation was rust colored and had no detectable odor from the road. The water had completely filled the excavation and was flowing down the slope and onto Michigan Avenue and then into a catch basin located in the road. The MDNR noted the following concerns:

    - It was unknown if the waste material excavated during construction was disposed properly.
    - Leachate may have been seeping into the storm sewers and eventually into the surface waters.
    - Leachate may have contained hazardous components.
    - Soil and groundwater samples at Ferrantino's Ash Landfill in Brownstown Township contained heavy metals above the Type B direct contact standards. This ash was also disposed at the Van Landfill.
    - Unknown quantities of liquid wastes were discarded into the landfill.
    - Sludge from Dearborn refinery was discarded at the Site. This sludge had high levels of sulfuric acid and had potentially contained heavy metals, PCBs, and other organic chemicals.
    - The disturbed area should be restored properly to insure slope stability and prevent leachate seeps.

  - The Van Landfill Site was formerly used as a sand mine. Excavations at the sand mine were limited to about 15 feet. The landfill consisted of a series of clay lined cells. The cells were constructed by using a drag line to excavate down to the clay approximately four to five feet below the water table. After this was completed the remaining clay was placed around the edge of the cells. After the cell was completed the water was pumped from the cell and waste material was placed into the cell. This division expressed concern that the constructed cells may not have been as water tight as would have been desired.

  - The Van Landfill was owned by the Van Buren Development Corp. and operated by Michael Ferrantino. The Site operated from the summer of 1968 until the fall of 1969. The landfill was issued an Act 87 license (License #4460) on April 1, 1969. There was no evidence to suggest that they were ever installed. In August 1969 the Site was sold to the General Motors Corporation.

  - The file indicated that the Van Landfill accepted the following wastes:

    - Incinerator ash, demolition waste and domestic refuse from the City of Dearborn. Trucks from the City of Dearborn transfer station were observed at the Site. Waste paper from Ford Motor Company was also observed at the landfill. Incinerator ash from the City of Detroit, and liquid waste from 55-gallon drums were disposed at the Site, which was a violation of

Act 87. 1,500 to 1,800 gallons of sludge per day may have been disposed at the Site. The sludge was characterized as having high sulfuric acid content and very low pH.

- EEC, Phase I Environmental Site Assessment (ESA), Vacant Land, Northeast Corner of Ecorse Road & Michigan Avenue, Van Buren Township, Michigan; August 28, 2002.

  - EEC conducted a limited Phase I ESA of the Site in order to identify and document environmental conditions of the Site and the presence of substances which indicated an existing, past, or potential adverse environmental impact to the air, soil, groundwater, or surface waters as a result of operations on the Site and adjacent properties and which indicate that further investigation may have been necessary to evaluate potential environmental liabilities associated with the Site. RECs associated with the items listed below were identified in EEC's Phase I ESA.

    - EEC observed evidence of aboveground waste discarded throughout the Site. Types of wastes observed included general garbage, building construction materials, household appliances, furniture, piping, transportation equipment, electrical components, hazardous material containers, scrap metal, batteries, and numerous unidentifiable items.

    - Evidence of a spacious historic landfill was observed at the Site, which was documented in the federal and state regulatory database search. During EEC's Site visit, EEC observed a wide variety of wastes exposed from surface soils over a broad area across the western portion of the Site, particularly below uprooted trees and off-road vehicle tracks.

    - Based on the types and age of waste observed both below ground and aboveground, the potential for the following related environmental concerns existed at the Site: USTs, hazardous substances and petroleum products, ACM, lead-based paint, PCBs, radon gas, solid and special waste, hazardous waste, and spills/releases.

    - A LUST with an open remediation status was listed at the adjacent GM SPO facility. Details regarding the specific location and extent of contamination from this release were not known at the time.

    - Potential sources of fugitive emissions included solvents or biodegradation gases emanating from the historic below-ground landfill, solvents evaporating from containers discarded aboveground, CFCs releasing from refrigeration devices discarded aboveground, dust from off-road vehicle travel on dirt paths, and off-road vehicle exhaust.

  - Based on the findings of EEC's Phase I ESA, EEC provided the following recommendations:

    - Secure the Site.

    - Characterize, consolidate as practical, and properly dispose of aboveground waste located throughout the Site. This included laboratory characterization of materials suspected of containing PCBs, asbestos, lead-based paint, and/or other unknown or suspected hazardous characteristics.

    - Determine GM legal responsibility for presence and partially exposed status of the historic solid waste landfill, given that landfilling was performed by separate parties and closed in 1969 with the Michigan Department of Natural Resources before GM purchased the land. Also of consideration was that a Preliminary Site Assessment performed by the EPA in 1989 resulted in a No Further Action recommendation. Based on this determination, proceed with

an alternative study to evaluate feasible future courses of action. Courses of action may have included, but are not limited to, one or several of the following:

§ No immediate further action.

§ Perform Phase II Environmental Site Investigation activities to determine if migration of contaminants above Michigan Part 201 thresholds was occurring from (and to) the Site. This would consist of installing and analyzing samples from perimeter soil borings and temporary groundwater monitoring wells.

§ Perform Phase II Environment Site Investigation activities to define the vertical and horizontal boundaries of the former solid waste landfill, and characterize soil and groundwater in the vicinity of the landfill. Investigative activities would also include extensive Ground Penetrating Radar (GPR) and test pit excavating.

§ For isolation and/or future development purposes, perform a property boundary survey and parcel split of the existing parcel that includes this area of land, the GM SPO Warehouse facility, and the area of land bounded by the SPO Warehouse facility, Ecorse Road, Denton Road, and railroad tracks.

§ Properly re-cap and/or close the historic solid waste landfill.

§ Remediate the historic solid waste landfill area as necessary based on investigation findings.

§ Other courses of action as determined appropriate and feasible.

- To better determine the potential impact of the GM SPO facility LUST on groundwater at the Site, obtain information from the GM SPO facility regarding the specific location and known extent of contamination.

- Blasland, Bouck & Lee, Inc. (BBL), Geophysical Investigation, Northeast Corner of Ecorse Road and Michigan Avenue, Van Buren Township, Michigan; July 11, 2003.

  - BBL conducted a geophysical investigation at the Site in order to expand on the findings of EEC's previous Phase I ESA that identified evidence of the operation of a historic landfill, as well as ongoing surface disposal, by performing a non-invasive geophysical survey to investigate the extent of the former landfill or other potential below grade disposal areas.

    - The geophysical investigation consisted of an electromagnetic (EM) survey to identify areas of elevated measurements (anomalies) and define the location of the anomalies using a global positioning system (GPS) device.

    - BBL noted anomalies at the Site which included four trench cells in the northeastern portion of the Site, and a trench or fill area in the center of the Site. An additional possible fifth cell was identified to be in the northwest corner of the Site. In addition, several other smaller isolated potential landfill pocket areas were identified.

    - Historic disposal areas containing metal debris or metallic waste (as described in the FOIA information on the former landfill) were likely the same four cells identified by the apparent conductivity contours. The delineation of the trench cells was well defined and correlated very well with the apparent conductivity map. Small anomaly areas, which consisted of

scattered surface debris and more widespread buried debris, extended from the center of the Site towards the west. The areas of scattered surface debris, documented during the EEC's previous Phase I ESA, likely represented more recent disposal that occurred since the closure of the Van Buren Development Company Landfill. The southeastern portion of the Site had apparent conductivity and in-phase values that were at or close to the background values. This data indicated that historic landfill activities did not occur at the southwest quarter of the Site. The anomaly along the south side of the Site adjacent to Ecorse Road was due to the two gas lines that run along the south side of the Site. The geophysical survey was successful in delineating areas on the Site that were used as disposal areas during the operation of the Van Buren Development Company Landfill.

- Based on the previous Phase I ESA information and the findings of the geophysical investigation, BBL recommended the flowing additional phase II investigation activities at the Site:

  - § Perform surface water sampling along the north and west perimeter of the Site where seeps and drainage swales may be located, and at the one small pond/wetland area observed in the south central area of the Site.

  - § Install groundwater monitoring wells at select locations within the Site and around the perimeter of the Site. Determine the groundwater flow direction and sample the wells to evaluate potential impacts to groundwater quality from historic disposal activities at the Site.

- BBL Environmental Services, Inc. (BBLES), Letter Report for Clearing and Fence Installation, Northeast Corner of Ecorse Road and Michigan Avenue, Van Buren Township, Michigan; December 16, 2003.

  - BBLES installed a chain link perimeter fence to mitigate owner liability due to the following factors:

    - Unauthorized entry and use of the Site for all-terrain vehicle (ATV) riding was expediting erosion of the landfill cap in several areas of the Site.

    - Unauthorized disposal of household and building material waste was occurring regularly at the Site.

    - Unauthorized hunting, including the discharge of firearms, occurred at the Site. According to GM, bullets had penetrated the wall of the SPO warehouse building located immediately east of the Site.

    - The presence of scattered debris and broken glass on the surface of the Site, coupled with periodic discharge of firearms, results in a dangerous setting for both unauthorized occupants and neighbors.

EEC reviewed the following previous reports relevant to the adjacent SPO Warehouse property. Below is a summary of material information presented in the documentation:

- Corrective Action Plan (CAP), General Motors Service Parts Operations, 50000 Ecorse Road, Belleville, Michigan; March 11, 1994.

  - In response to the LUST case (Release number C-1692-91 reported August 19, 1991) at the General Motors Service Parts Operations facility located immediately west of the Site, GM

prepared a CAP which described investigation activities performed at the facility. The following information was included in the CAP:

- Gasoline contamination was discovered in the soil during the removal of a UST at the facility. Soil, groundwater, and soil vapor samples were collected in the vicinity of the UST. Benzene, toluene, ethylbenzene, and xylenes (BTEX) was detected at several locations within 40 feet of the UST.

- The groundwater flow direction at the facility was determined to be east.

- RE: CAP Addendum, General Motors Service Parts Operations, 50000 Ecorse Road, Belleville, Michigan; September 8, 1994.

  - General Motors prepared the document in order to summarize the work completed and anticipated at the GM SPO Warehouse property.

    - On June 9 and June 10, 1994, GM conducted Geoprobe sampling at the GM SPO Warehouse property. Samples of soil, groundwater, and soil vapor from 16 locations were collected in order to map the extent of the contamination. Subsequent to the sampling activities, GM installed 16 groundwater monitoring wells. 15 of the wells were multi-bundle piezometers screened at three depths in the saturated zone. The final well was a four-inch diameter well for the use of pumping tests. The geological profile was determined from the 16 soil cores. The subsurface consisted of primarily of medium and find sand with a clay layer encountered at 10 feet to 14 feet bgl. Groundwater was encountered at 6 feet to 7 feet bgl and was perched on top of the underlying clay layer.

    - The contamination was mapped by analyzing the continuous cores from each of the 16 locations at 1 foot intervals for BTEX. The highest concentrations were found in soil from the two rows of wells to the east of the UST. One soil sample had a much higher BTEX concentration of 2,900 parts per million (ppm). The average BTEX concentrations from the 222 soil sections (excluding the one high point) were 0.63 ppm, 0.87 ppm, 1 ppm, and 2.7 ppm, respectively.

    - BTEX was also measured in the groundwater samples from all monitoring wells. The average BTEX concentrations in the groundwater sampled from three depths in 16 wells were 0.71 ppm, 0.25 ppm, 0.15 ppm, and 0.68, respectively. A groundwater sample from well 3.7B was submitted for complete laboratory analysis. The results did not indicate any contaminant source other than gasoline.

    - In response to the BTEX contamination discovered at the facility, GM proposed an injection/recovery system and monitoring plan for remediation purposes.

- RE: CAP Addendum, MDNR, General Motors Service Parts Operations, 50000 Ecorse Road, Belleville, Michigan; September 27, 1994.

  - The CAP and addendum were audited by the UST Division, as a condition of the exemption for groundwater discharges pursuant to the Michigan Water Resources Commission Act 245, Public Acts of 1929, as amended, for the discharge of remediated groundwater within the contaminant plume.

    - Based on the information provided to the MDNR, capture of the treated injected groundwater appeared to be complete. Therefore, the MDNR UST Division approved the Cap and

recommended that the groundwater permit exemption be approved by the Groundwater Section, Waste Management Division.

Previous reports, letters and memorandums relevant to the Site are referenced in Section 6.0 and referenced and/or included in Appendix F.

2.3 FEDERAL, STATE, AND LOCAL AGENCY FILE REVIEW

2.3.1 Environmental Database Search

EEC contracted EDR to conduct a search of federal and state environmental databases. Based on the Site mailing address, the database searches were completed to assist in the identification of conditions at the Site. Databases were searched to within the approximate minimum ASTM search distance for each database. The complete EDR Radius Map Report is attached as Appendix D. The following is a list of databases reviewed and respective search distances from the target mailing address.

FEDERAL DATABASES

- National Priority List (NPL) – 1.25 mile
- Proposed NPL – 1.25 mile
- Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) – 0.75 mile
- CERCLIS – No Further Remedial Action Planned (CERCLIS-NFRAP) – 0.75 mile
- Corrective Action Reports (CORRACTS) – 1.25 mile
- Resource Conservation and Recovery Information System permitted treatment, storage, and disposal facilities (RCRA-TSD) – 0.75 mile
- RCRA small/large quantity generators of hazardous waste (RCRA-SQG/RCRA-LQG) – 0.5 mile
- Emergency Response Notification System (ERNS) – 0.25 mile
- Engineering Controls Site Listing (US ENG CONTROLS) – 0.75 mile
- Institutional Controls Site Listing (US INST CONTROL) – 0.75 mile
- Brownfields Sites (US BROWNFIELDS) – 0.75 mile
- Superfund (CERCLA) Consent Decrees (CONSENT) – 1.25 mile
- Records of Decision (ROD) – 1.25 mile
- Delisted NPL Sites – 1.25 mile
- Facility Index System (FINDS) – 0.25 mile
- Hazardous Materials Information Reporting System (HMIRS) – 0.25 mile
- Material Licensing Tracking System (MLTS) – 0.25 mile
- Mines Master Index File (MINES) – 0.5 mile
- NPL Liens – 0.25 mile
- PCB Activity Database System (PADS) – 0.25 mile
- Open Dump Inventory (ODI) – 0.75 mile
- Department of Defense Sites (DOD) – 1.25 mile
- Uranium Mill Tailings Sites (UMTRA) – 0.75 mile
- Formerly Used Defense Sites (FUDS) – 1.25 mile
- RCRA Administrative Action Tracking System (RAATS) – 0.25 mile
- Toxic Chemical Release Inventory System (TRIS) – 0.25 mile
- Toxic Substances Control Act (TSCA) – 0.25 mile
- FIFRA Section 7 Tracking Systems (STTS) – 0.25 mile
- FIFRA/TSCA Tracking System (FTTS) – 0.25 mile
- Land Use Control Information System (LUCIS) – 0.75 mile
- Radiation Information Database (RADINFO) – 0.25 mile

- Clandestine Drug Labs (CDL) – 0.25 mile

STATE/LOCAL DATABASES

- Michigan Department of Environmental Quality (MDEQ) State Hazardous Waste Sites Contaminated Sites List (SHWS)– 1.25 mile
- MDEQ Solid Waste Facilities Database (SWF/LF) – 0.75 mile
- MDEQ Leaking Underground Storage Tank Sites (LUST) – 0.75 mile
- MDEQ Underground Storage Tank Facility List (UST) – 0.5 mile
- MDEQ Baseline Environmental Assessment Database (BEA) – 0.75 mile
- MDEQ Inactive Solid Waste Facilities (HIST LF) – 0.75 mile
- MDEQ Registered Aboveground Storage Tanks (AST) – 0. 5 mile
- Delisted List of State Hazardous Waste Sites Contaminated Sites (DEL SHWS) – 1.25 mile
- Pollution Emergency Alerting System (PEAS) – 0.25 mile
- Brownfields Sites (BROWNFIELDS) – 0.75 mile
- Drycleaners (DRYCLEANERS) – 0.5 mile
- Engineering and Institutional Controls (AUL) – 0.75 mile
- National Pollution Discharge Elimination System Sites (NPDES) – 0.25 mile
- Permit and Emissions Inventory (AIRS) – 0.25 mile

TRIBAL RECORDS

- Indian Reservations (INDIAN RESERV) – 1.25 mile
- Indian Leaking Underground Storage Tank (INDIAN LUST) - 0.75 mile
- Indian Underground Storage Tank (INDIAN UST) – 0.5 mile

EDR PROPRIETARY HISTORICAL DATABASES

- Manufactured Gas Plants – 1.25 mile

OTHER DATABASES

- FEMA Flood Zone Data – 2 miles
- National Wetland Inventory Data (NWI) – 2 miles
- AQUIFLOW® – 1 mile

Based on a review of the EDR database report, the Site was identified on the following mapped listing:

- Van Landfill is listed at 50700 Ecorse Road in Belleville, Michigan 48111. The Site is listed on the HIST LF and FINDS databases. The Site is listed on the HIST LF database as an inactive Type II landfill with facility identification number 82000056. The FINDS database indicated that the facility is on the national emissions inventory (NEI) database which contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

In addition, the Site was identified on the following listing from the orphan summary:

- Van Buren Development Company Landfill is listed at 5070 Ecorse Road in Van Buren Township, Michigan 48111. The Site is listed on the CERC-NFRAP database with Site ID 0505456. The discovery assessment was completed on February 8, 1988, and the preliminary assessment was completed on March 21, 1989. The Site was archived and received a Non-NPL status on March 21, 1989. No other information was listed in the EDR report.

Inclusion on database listings does not necessarily indicate the presence of a REC. Details regarding a sitewide REC associated with the HIST LF and CERC-NFRAP listings are described in Section 2.1.13. Details regarding an other environmental issue associated with the FINDS and NEI listings are described in Section 2.1.15.

Based on review of the EDR database report, twenty mapped sites on fifteen database listings were identified within one-mile of the Site. The databases identified include: RCRA-SQG, RCRA-LQG, FINDS, UST, LUST, US BROWNFIELDS, BEA, BROWNFIELDS, PADS, TRIS, RCRA-TSDF, CORRACTS, CERC-NFRAP, FUDS, and NY MANIFEST. The following listings were identified within 1 mile of the Site:

- Advanced Custom Paints, LTD. is listed at 175 Rawsonville Road in Belleville, Michigan, between 0.125 and 0.25 mile west of the Site. The facility is listed on the RCRA-SQG, FINDS, and BEA databases. The facility is listed as a small quantity generator of hazardous waste with EPA identification number MIR000039529. No TSDF activities or violations were on record. The facility is listed on the BEA database with BEA number 1027. Advanced Custom Paints, LTD. submitted a category D BEA to the Environmental Response Division. The BEA was received on November 23, 1999.

- G.P. Stiehl Enterprises, LLC. is listed at 175 Rawsonville Road in Belleville, Michigan, between 0.125 and 0.25 mile west of the Site. The facility is listed on the BEA database with BEA number 1026. G.P. Stiehl Enterprises, LLC. submitted a category D BEA to the Environmental Response Division. The BEA was received on June 1, 1999.

- Ypsilanti Pumping Station is listed at 361 Rawsonville Road in Belleville, Michigan 48226, between 0.25 and 0.5 mile west-southwest of the Site. The facility is listed on the UST database with one 10,000-gallon diesel UST currently in use. The 10,000-gallon diesel UST was installed on May 10, 1990.

- Willow Station is listed at 120 Rawsonville Road in Belleville, Michigan 48111, between 0.25 and 0.5 mile west-northwest of the Site. The facility is listed on the AST database with two active 30,000-gallon ASTs containing flammable liquids. Four 30,000-gallon ASTs containing flammable liquids were closed at the facility on April 10, 1996.

- DTE Energy/Michigan is listed at 120 Rawsonville Road in Ypsilanti, Michigan 48197, between 0.25 and 0.5 mile west-northwest of the Site. The facility is listed on the RCRA-SQG and FINDS databases. The facility is listed as a small quantity generator of hazardous waste with EPA identification number MID980701585. No TSDF activities or violations were on record.

- EQIS Transfer & Processing is listed at 1010 Old Rawsonville Road in Ypsilanti, Michigan 48198, between 0.25 and 0.5 mile northwest of the Site. The facility is listed on the RCRA-SQG, FINDS, and NY MANIFEST databases. The facility is listed as a conditionally exempt small quantity generator of hazardous waste with EPA identification number MIR000033969. No TSDF activities were on record. One Transporter-General Requirements violation was issued to the facility on February 20, 2003. Compliance with the violation was achieved on July 7, 2003. One Compliance Schedule Violation was issued to the facility on May 26, 2004 and one Transporter-General Requirements violation was issued to the facility on September 24, 2004. Compliance with these violations has not been achieved. No manifest records were listed on the NY MANIFEST database.

- DTE Energy/Michcon is listed at 3150 East Michigan Avenue in Ypsilanti, Michigan 48197, between 0.25 and 0.5 mile northwest of the Site. The facility is listed on the RCRA-SQG and

FINDS databases. The facility is listed as a small quantity generator of hazardous waste with EPA identification number MI0000074898. No TSDF activities or violations were on record.

- GM Warehousing & Distribution is listed at 50000 Ecorse Road in Ypsilanti, Michigan 48210, between 0.5 and 1 mile east-southeast of the Site. The facility is listed on the UST and LUST databases with Facility ID Number 0001944 and Leak Number C-1692-91, respectively. One 1,000-gallon gasoline UST and 1,500-gallon used grease UST were installed on April 30, 1971 and removed on August 19, 1991 and October 1, 1986, respectively. One 500-gallon gasoline UST was installed on August 1, 1991 and removed on September 24, 2004. A release (Leak Number C-1692-91) of an unknown quantity of an unknown substance was reported on August 19, 1991. The release is currently listed as open.

- Michcon is listed at 3160 East Michigan in Ypsilanti, Michigan 48210, between 0.5 and 1 mile west-northwest of the Site. The facility is listed on the LUST and UST databases. The facility is listed on the LUST database with facility identification number 00013216. A release (Leak Number C-1466-94) of an unreported quantity of used oil was reported on November 21, 1994. The release was closed on July 11, 1996. The facility is listed on the UST database with one active 12,000-gallon diesel UST and one active 15,000-gallon gasoline UST. The USTs were installed on May 8, 1973 and May 8, 1977, respectively. One 500-gallon used oil UST was installed at the facility on May 8, 1973 and was removed from the ground on November 21, 1994.

- Thomas Andrew Leach is listed at 3105 East Michigan Avenue in Ypsilanti, Michigan 48198, between 0.5 and 1 mile west-northwest of the Site. The facility is listed on the LUST, UST, and BROWNFIELDS databases. The facility is listed on the LUST database with facility identification number 00002575. A release (Leak Number C-1182-97) of an unreported quantity of an unknown substance was reported on December 1, 1997. The release is currently open. One 4,000-gallon gasoline UST was installed at the facility on May 6, 1981, one 1,000-gallon kerosene UST was installed on May 6, 1976, one 6,000-gallon diesel UST was installed on May 6, 1974, and one 5,200-gallon gasoline UST was installed on May 6, 1984. The USTs were removed from the ground on October 21, 1997. The facility is listed on the BROWNFIELDS database with facility identification number 00002575. The status is listed as completed. Comments in the EDR report indicated that potential inhalation hazard and well contamination exists at the facility.

- 3105 East Michigan Avenue in Ypsilanti, Michigan 48210, is located between 0.5 and 1 mile west-northwest of the Site. The facility is listed on the BEA database with BEA number 110. Holmegan, LLC submitted a category N BEA to the Storage Tank Division. The BEA was received on November 21, 1997.

- 3105 East Michigan Avenue in Ypsilanti, Michigan, is located between 0.5 and 1 mile west-northwest of the Site. The facility is listed on the US BROWNFIELDS database. The recipient name and project name were listed as Washtenaw County. The assessment date was listed as December 31, 2004.

- Ahmed Beydoun Service, Inc. is listed at 3025 East Michigan in Ypsilanti, Michigan 48198, between 0.5 and 1 mile west-northwest of the Site. The facility is listed on the LUST and UST databases. The facility is listed on the LUST database with facility identification number 00019196. A release (Leak Number C-0441-85) of an unreported quantity of an unreported substance was reported on January 1, 1987. The release was closed on January 19, 1998. One 6,000-gallon stannous chloride UST and three 12,000-gallon gasoline USTs were installed at the facility on May 1, 1970 and were removed from the ground on July 1, 1996. One 6,000-gallon gasoline UST, one 8,000-gallon gasoline UST, and one 12,000-gallon gasoline UST were installed at the facility on August 1, 1996. These USTs are listed as currently in use.

- General Motors Corporation Powertrain Division is listed at Ecorse Road in Ypsilanti, Michigan 48198, between 0.5 and 1 mile southwest of the Site. The facility is listed on the PADS, RCRA-LQG, TRIS, RCRA-TSDF, CORRACTS, CERC-NFRAP, and NY MANIFEST databases. The facility is listed as a large quantity generator of hazardous waste with EPA identification number MID980587893. No TSDF activities were on record. Two TSD-Financial Responsibility Requirements violations were issued on June 7, 1988 and March 3, 1989. Compliance with these violations was achieved on May 10, 1989. One TSD-Land Ban Requirements violation was issued to the facility on March 30, 1989. Compliance with this violation was achieved on May 5, 1989. One Generator-Land Ban Requirements violation and one TSD-Other Requirements violation were issued to the facility on March 30, 1989. Compliance with these violations was achieved on May 5, 1989. One Generator-Manifest Requirements violation and one Generator container violation were issued to the facility on May 22, 1997. Compliance with these violations was achieved on December 8, 1999. One MILWG violation, one Michigan Used Oil Activities violation, and one Generator-General Requirements violation were issued to the facility on November 1, 2001. Compliance with these violations was achieved on February 13, 2002. The RCRA database indicated that the facility was assigned a low corrective action priority. The CORRACTS database indicated that the facility is North American Industry Classification System (NAICS) code 33635. A RCRA facility assessment (RFA) was completed at the facility on May 18, 1992. The facility is listed on the CERC-NFRAP database with Site ID 0506942. Discovery was completed on January 29, 1992, preliminary assessment was completed on October 19, 1992, and the facility was archived on December 18, 1995. The NY MANIFEST database indicated that non-listed ignitable wastes, petroleum oil, lead, non-listed reactive wastes, mercury, and other miscellaneous PCB wastes were generated at the facility and transported off-site to a TSDF from 1985 to 2003.

- Willow Run Airport is listed in Willow Run, Michigan, more than 1 mile south of the Site. The facility is listed on the FUDS database with Federal Facility ID MI9799F2318. FUDS history details listed in the EDR report indicated that during World War II (WWII) the Plancor 151 manufactured the B-24 Bomber aircraft at the airport. Building demolition and debris removal, containerized hazardous, toxic, and radioactive waste, and hazardous, toxic, and radioactive waste projects were recommended.

- Conrail Willow Run Car Shop is listed at 2575 Ecorse Road in Ypsilanti, Michigan 48197 more than one mile west-southwest of the Site. The facility is listed on the RCRA-SQG, FINDS, and SHWS databases. The facility is listed as a small quantity generator of hazardous waste with EPA identification number MID000718320. No TSDF activities or violations were on record. The facility is listed on the SHWS database with facility identification number 81000407. The pollutant is listed as diesel fuel and the facility status is listed as interim response in progress.

EEC reviewed information on these and remaining mapped properties based on information provided in the EDR report, respective distances from the Site, and hydrological relationships with respect to the Site. EEC submitted a FOIA request to the MDEQ and requested information regarding the open LUST case (Leak Number C-1692-91) at the adjacent General Motors SPO Warehouse. Review of documentation provided by the MDEQ indicated that a release of an unknown quantity of gasoline was reported on August 19, 1991. Several subsurface investigations were performed to characterize and delineate soil and groundwater contamination in the vicinity of the UST release, which occurred north of the SPO Warehouse building and south of a retention pond associated with the SPO Warehouse property. Concentrations of contaminates were generally delineated within the SPO Warehouse property, and the groundwater flow at the adjacent SPO Warehouse was determined to be east, away from the Site. Therefore, the open LUST case (Release number C-1692-91) at the adjacent GM SPO Warehouse does not appear to present any RECs or other environmental issues relative to the Site. No RECs or other environmental issues were noted in association with the remaining mapped facilities.

A total of thirty-three unmapped or "orphan" facilities were identified in the vicinity of the Site in the EDR report. One of the listed orphan facilities associated with the Site was described above. The remaining "orphan" facilities do not currently appear to present RECs or other environmental issues relative to the Site.

2.3.2 Regulatory Agency Contacts

Regulatory agencies were contacted for information regarding the Site. Regulatory correspondence is attached as Appendix B. The information obtained from the contacts is summarized in the following paragraphs.

- EEC visited the Van Buren Township offices and obtained the following documents:
    - Development Department
        - Van Buren Township Zoning Map; March 2002.
        - Zoning Ordinance, Section 4.45.E – Woodland and Tree Preservation; December 1999.
    - Water and Sewer Department
        - Van Buren Township Sanitary Sewer System Map
        - Van Buren Township Water Distribution Map
        - Van Buren Township Drainage Map; 1958.
    - Environmental Department
        - Regulated Woodlands Map
- GM provided EEC with the following surveys:
    - Composite Survey of Part of Sections 4, 5, 6, Township 3S, Range 8E; August 1970.
    - Act 132 Lot Split of a 220 ± Acre Parcel of Land in Section 6, Township 3S, Range 8E, Van Buren Township Michigan; February 2005.
- EEC submitted a FOIA request to the MDEQ to obtain available information regarding hazardous waste storage and use, hazardous waste inspections or violations, USTs, closure reports, spills, and any other environmental non-compliance issues at the Site. No records were on file with the Air Quality Division, Drinking Water and Radiological Protection Division, Land and Water Management Division, Storage Tank Division, Surface Water Quality Division, and Waste Management Division. Information received from the Environmental Response Division included a copy of the 1989 No Further Remedial Action for Inspection letter (summarized in Section 2.2.4).
- EEC submitted a FOIA request to the Michigan Department of Environmental Quality and requested information regarding the open LUST case (Leak Number C-1692-91) at the adjacent General Motors SPO Warehouse. Review of documentation provided by the MDEQ indicated that

a release of an unknown quantity of gasoline was reported on August 19, 1991. Several subsurface investigations were performed to characterize and delineate soil and groundwater contamination in the vicinity of the UST release, which occurred north of the SPO Warehouse building and south of a retention pond associated with the SPO Warehouse property. Concentrations of contaminates were generally delineated within the SPO Warehouse property, and the groundwater flow at the adjacent SPO Warehouse was determined to be east, away from the Site.

- EEC submitted a FOIA request to the U.S. Environmental Protection Agency (EPA) to obtain available information regarding hazardous waste storage and use, hazardous waste inspections or violations, USTs, closure reports, spills, and any other environmental non-compliance issues at the Site. Documentation provided by the EPA included information regarding the Notification of Hazardous Waste activities at the Site.

- EEC searched the MDEQ storage tank database on the internet for information on USTs at the Site. No information was listed for the Site.

- EEC submitted a FOIA request to WCDOE in order to obtain available information regarding the solid waste landfill at the Site. Documentation obtained from the WCDOE, Land Resource Management Division, Solid Waste Technical Section indicated that the Site operated as a landfill under the name Van Buren Development Company and operated from approximately 1966 to 1969. Information obtained from the Wayne County Health Department relevant to landfill operations is summarized in Section 2.2.4.

- EEC searched the EPA Envirofacts Internet site for available environmental information related to the Site. The following information regarding environmental regulatory programs was obtained:
  - Information was listed under Van Landfill located at 50700 Ecorse Road, in Belleville, Michigan. No other organization and alias names were listed in association with the Site.
  - The Site was listed on the Criteria and Hazardous Air Pollutant Inventory database with information system ID NEIMILF449. The Site was listed on the North American Industry Classification System (NAICS) with NAICS Code 562212. The Site was also listed on the Standard Industrial Classification (SIC) with SIC Code 4953. The Site was identified as a solid waste landfill and refuse systems on each database, respectively.

A sitewide REC associated with the information provided by regulatory agency contacts for the Site is described in Section 2.1.13.

2.3.3 Water Well Survey

No groundwater wells or monitoring wells were observed by EEC at the Site or stated to be present by Site personnel. According to historical information, the Wayne County Health Department indicated that the Site was to install monitoring wells no later than April 30, 1969. However, no information pertaining to groundwater monitoring wells was obtained.

EDR conducted a records search of the Federal USGS, Federal Reporting Data System (FRDS) Public Water Supply (PWS) System, and State databases of wells located within approximately one mile of the Site. No Federal USGS wells or federal FRDS PWS wells are located between within 1 mile of the Site. Twelve State wells are located within 1 mile northeast, southwest, south-southwest, west-northwest, and northwest of the Site. Two oil/gas wells are located between 0.25 and 0.5 mile west-northwest of the Site.

No other environmental issues were noted in association with the water well survey.

2.3.4 Utility Services

No utilities exist at the Site. Electricity is provided to surrounding properties by DTE Energy. Water, sanitary sewer, and storm water sewer services are supplied to surrounding properties by Van Buren Township. Natural is provided to surrounding properties by Michcon. A natural gas pipeline easement for underground distribution exists along the southern portion of the Site, parallel to Ecorse Road. The presence of the buried natural gas pipeline represents an other environmental issue.

3.0 CONCLUSIONS

Encore Environmental Consortium, LLC (EEC) has conducted a Phase I Environmental Site Assessment (ESA) of Parcel A (67.88 acres of land) located northeast of the Ecorse Road / Michigan Avenue intersection in Van Buren Township, Michigan (herein referred to as "the Site"). The Site is currently owned by General Motors Corporation (GM). The purpose of the Phase I ESA was to identify and document the current and historical environmental conditions of the Site and the presence of substances which indicate an existing, past, or potential adverse environmental impact to the air, soil, groundwater, or surface waters as a result of operations on the Site and adjoining and surrounding properties, and which indicate that further investigation may be necessary to evaluate potential environmental liabilities associated with the Site.

This Phase I ESA was performed in general accordance with the ASTM E 1527-00 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, and other client-specified requirements. The investigation was intended to identify Recognized Environmental Conditions (RECs) as defined by the ASTM E 1527-00 Standard.

A. RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed evidence of the following REC in connection with the Site:

- Environmental Data Resources, Inc. (EDR) report indicated that the Site is listed on the Inactive Solid Waste Facilities (HIST LF) and Comprehensive, Environmental Response, Compensation and Liability Act – No Further Remedial Action Planned (CERCLA-NFRAP) databases as an inactive Type II landfill with facility identification numbers 82000056 and 0505456, respectively. In response to a request from the Environmental Protection Agency (EPA), GM filed an EPA Form 8900-1 "Notification of Hazardous Waste Site" to satisfy the notification requirements of Section 104(c) of CERCLA on February 3, 1988. Discovery of the Site was recorded on February 8, 1988, and a preliminary assessment was completed on March 21, 1989. Records indicate that the preliminary assessment consisted of a search for information in EPA and Michigan Department of Natural Resources (MDNR) files, and a Site inspection was not conducted based on the premises that there was no evidence of a release of hazardous substances at the Site in these files. The Site was archived by the EPA and received a Non-National Priority List (NPL) status with respect to CERCLA on March 21, 1989. Review of historical records indicated that from approximately 1966 to 1969 the Site was occupied by the Van Buren Development Company and was utilized as a solid waste landfill. Documentation obtained from the Wayne County Department of Environment (WCDOE), Land Resource Management Division, Solid Waste Technical Section indicated that various wastes including incinerator ash from the City of Detroit, demolition waste and domestic refuse from the City of Dearborn, waste paper from Ford Motor Company, and liquid waste inside 55-gallon drums were landfilled at the Site. Other historical information on record at WCDOE indicated that approximately 1,500 to 1,800 gallons of sludge generated from treatment of crankcase oils from Dearborn Refinery may have been disposed at the Site on a daily basis. Historical records indicated that this sludge had high levels of sulfuric acid and had potentially contained heavy metals, polychlorinated biphenyls (PCBs), and other organic chemicals. Records and historical references indicate that landfilling of waste ceased in approximately 1969, prior to General Motors Corporation's purchase of the Site in late 1969. Of note, WCDOE records were not searched or referenced in the MDNR or EPA file search which rendered the decision to archive the Site under CERCLA.

  Due to heavy vegetative cover throughout the property, there is currently little visual evidence of the landfill's existence. EEC performed a geophysical investigation in July 2003 which revealed the use of four landfill trench cells in the northeastern portion of the Site, a landfill trench or fill

area in the center of the Site, an additional potential landfill cell in the northwest corner of the Site, and several other smaller isolated potential landfill pocket areas across the western portion and center of the Site. Results of the geophysical investigation indicate that landfilled waste may exist below across approximately 30 to 40 acres in the western, northern and central portions of the Site. During the Site reconnaissance and during prior Phase I ESA, geophysical and fence installation projects performed from 2002 and 2003, EEC did observe evidence of below-ground solid waste disposal. Such evidence included exposure of buried waste from the ground in areas which were eroded from all-terrain vehicle driving, and areas where uprooted trees were overturned. Based on the results of EEC's geophysical investigation and information contained in the WCDOE's files, historic use of a significant portion of the Site as a landfill represents a sitewide REC.

B. HISTORICAL RECs

This assessment has not revealed evidence of historical RECs in connection with the Site.

C. OTHER ENVIRONMENTAL ISSUES

In addition to the ASTM standard, this assessment evaluated other client-specified criteria for the Site. This assessment has revealed evidence of the following other environmental issues in connection with the Site:

- Review of historical photographs indicated that the Site was undeveloped and cultivated for agricultural purposes as early as 1940. Based on the historic use of the Site as cultivated farmland, agricultural chemicals such as pesticides, herbicides, and fertilizers would have historically been used on the Site. Information regarding historic use, storage, or applications rates was not available. If the chemicals were applied in accordance with manufacturer recommendations, residuals remaining in Site soils would be expected to be similar to other area properties. No information was available to determine whether residual concentrations exceed government use or exposure criteria. Application of agricultural chemicals for intended use is not considered a release and potential residuals remaining would not be considered a REC. However, the potential presence of agricultural chemicals may have resulted in impact to Site soil and groundwater and is therefore considered an other environmental issue.

- An asbestos survey was not conducted as part of this Phase I ESA. A significant quantity of discarded building construction materials from demolished structures was observed at the Site, both aboveground and exposed from below the ground surface. Materials observed included shingles, tile, insulation, and concrete. Although the age of the materials observed is unknown, evidence indicates that much of the material discarded at the Site is from structures built before 1980. The potential presence of suspect asbestos containing materials (ACM) discarded below the ground surface is possible given the significant evidence that an abundance of solid waste was historically disposed at the Site. The presence of discarded suspect ACM above the ground surface and the potential presence of discarded suspect ACM below the ground surface at the Site represent an other environmental issue.

- A lead-based paint survey was not completed as part of this Phase I ESA. A significant quantity of discarded building construction materials from demolished structures was observed at the Site, both aboveground and exposed from below the ground surface. Some of the materials (wood, siding) observed had painted surfaces and most of which were in poor condition. Although the age of the materials observed is unknown, evidence indicates that much of the material discarded at the Site may be from older structures. The potential presence of materials containing lead-based paint represents an other environmental issue.

- Wayne County is located within Radon Zone 3, where average predicted indoor radon levels are less than 2 picoCuries per liter (pCi/L). This information was derived from the United States Environmental Protection Agency (EPA) Radon Map, which is based on indoor radon screening samples compiled by the EPA, geologic and soil analysis, and the foundation types typically found within each zone. The Michigan Radon Database for the 48111 zip code reported an average radon activity of less than 4 pCi/L in 19 sites tested. The Federal Area Radon Information for zip code 48111 reported average radon activities of 0.7 pCi/L in first floor living areas. Basement and second floor living areas were not reported. The EPA safety standard for radon gas in residences is 4 pCi/L and the United States Council on Radiation Protection and Measurement (NCRP) standard is 8 pCi/L. Typical Wayne County radon levels and area property radon data indicate that radon is generally not an issue in Wayne County. However, landfills are a common source of radon. Therefore, radon is considered a potential other environmental issue at the Site.

- EEC observed solid waste in piles aboveground sporadically throughout the Site. In addition, evidence of historic solid waste disposal was observed emerging from the ground over a broad area across the western portion of the Site. The types of waste included general garbage, building construction materials (e.g., concrete, wood, metal, shingles, tile, siding, carpet), household appliances (e.g., refrigerator, freezer, vacuum cleaners), furniture (e.g., chairs, couches), plastic and metal piping, hazardous material containers, scrap metal, and numerous unidentifiable items. The presence of large quantities of solid waste disposed aboveground at the Site represents an other environmental issue.

- The EDR report indicated that the Site is listed on the Facility Index System (FINDS) database. The FINDS database and the EPA Envirofacts website indicated that the Site is listed on the national emissions inventory (NEI) database which contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs). During the Site reconnaissance, EEC did not observe or detect such air emission sources. However, the potential for fugitive air emissions existed at the Site. Potential sources of fugitive emissions included solvents or biodegradation gases emanating from the historic landfills, solvents evaporating from containers discarded aboveground, and chlorofluorocarbons (CFCs) releasing from refrigeration devices discarded aboveground. EEC did not detect abnormal odors in the ambient air during the Site visit. No evidence was observed warranting classification of air emissions as a REC. However, air emissions at the Site are considered an other environmental issue.

- A natural gas pipeline easement for underground distribution exists along the southern portion of the Site, parallel to Ecorse Road. The presence of the buried natural gas pipeline represents an other environmental issue.

4.0 RECOMMENDATIONS

The Phase I ESA has not revealed the presence of historical RECs. However, the Phase I ESA has identified a REC and other environmental issues at the Site. Accordingly, EEC makes the following recommendations:

Recommendation for Additional Assessment:

- EEC recommends conduction of a subsurface investigation around the perimeter of the Site to determine if offsite migration of landfill leachate or impacted groundwater may be occurring.

Recommendation Regarding Environmental Practices:

- EEC recommends that discarded solid wastes aboveground at the Site be removed and properly disposed.

Site Development Issues:

- Consideration should be given to the potential presence of agricultural chemicals in Site soil and/or groundwater when evaluating future uses of the Site.

- Bulk material sampling and analysis for asbestos should be performed on discarded materials at the Site before any construction/removal activities are conducted at the Site.

- X-Ray Fluorescence (XRF) spectrum analysis or bulk material sampling and analysis for lead should be performed on discarded materials with painted surfaces before any construction/removal activities are conducted at the Site.

- Although Wayne County's classification as Radon Zone 3 is not considered a potential Site development issue, landfills are a common source of radon. Therefore, radon exposure should be evaluated in the event of renovation or new construction/expansion activities that involves disturbance of soils at the Site.

- EEC has no further recommendation regarding air emissions at the Site. However potential fugitive emissions from solvents or biodegradation gases emanating from the historic landfill, solvents evaporating from containers discarded aboveground, and CFCs releasing from refrigeration devices discarded aboveground may present a Site development issue.

- EEC has no further recommendation regarding the natural gas pipeline extending along the southern portion of the Site. However, the presence of the pipeline may present a Site development issue.

5.0 QUALIFICATIONS AND LIMITATIONS

This Report was prepared pursuant to the agreement dated January 2, 2002 with Encore Environmental Consortium, LLC ("EEC"). All 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. EEC has not performed any additional observations, investigations, studies, or other testing not specified in the Agreement. EEC shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under the Agreement.

This Report is prepared for the exclusive use of General Motors Worldwide Real Estate. Use of this Report by any person or entity other than General Motors Worldwide Real Estate shall be at such other person's or entity's sole risk, and shall be without legal exposure or liability to EEC.

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

EEC shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld or not fully disclosed at the time the assessment was conducted.

6.0 REFERENCES

1. Wayne County Health Department, Land Evaluation Survey Form for Proposed Sanitary Landfill Area, Van Buren Development Company Landfill, Ecorse Road, Van Buren Township, Wayne County, Michigan; January 16, 1967.

2. Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Ecorse Road, Van Buren Township, Wayne County, Michigan; January 24, 1968.

3. Michigan Drilling Company, 14555 Wyoming Avenue, Detroit, Michigan, Soils exploration activities at Ecorse Road; February 2, 1968.

4. Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Ecorse Road, Van Buren Township, Wayne County, Michigan; March 21, 1968.

5. Van Buren Township Sand Removal and Fill Permit; April 11, 1968.

6. Letter to the Michigan Department of Public Health, Environmental Health Planning Unit, Division of Engineering, Lansing, Michigan; June 3, 1968.

7. Letter to the Michigan Department of Public Health, 3500 North Logan Street, Lansing, Michigan; July 30, 1968.

8. Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Ecorse Road, Van Buren Township, Wayne County, Michigan; August 1, 1968.

9. Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Ecorse Road, Van Buren Township, Wayne County, Michigan; August 1, 1968.

10. Letter to the Wayne County Health Department, Eloise, Michigan; August 5, 1968.

11. Letter to the Michigan Department of Public Health, 3500 North Logan Street, Lansing, Michigan, Van Buren Development Company, Van Buren Township, Wayne County, Michigan; August 13, 1968.

12. Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Van Buren Township, Wayne County, Michigan; August 20, 1968.

13. Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Van Buren Township, Wayne County, Michigan; August 27, 1968.

14. Wayne County Health Department Memorandum, Ferrantino's Landfill File, Van Buren Township, Wayne County, Michigan; September 18, 1968.

15. Wayne County Health Department Memorandum, Van Buren Development Corporation Landfill File, Van Buren Township, Wayne County, Michigan; October 29, 1968.

16. Wayne County Health Department Establishment File, Open burning complaint from Bruce Davis, Van Buren Township, Wayne County, Michigan; December 10, 1968.

17. Wayne County Health Department, Memorandum, Van Buren Refuse File, Van Buren Township, Wayne County, Michigan; December 12, 1968.

18. Letter to the Van Buren Development Company Landfill, Van Buren Township, Wayne County, Michigan; January 31, 1969.

19. Letter to the Michigan Department of Public Health, Environmental Health Planning Unit, Division of Engineering, RE: Van Buren Development Company Landfill, Ecorse Road, Van Buren Township, Wayne County, Michigan; March 13, 1969.

20. Michigan Department of Public Health, Application License for the Van Landfill, Wayne County, Michigan; April 1, 1969.

21. Michigan Department of Public Health, Letter to Mr. Ferrantino, Sludge residue from Dearborn Refinery Treatment of crankcase oils; April 28, 1969.

22. Memorandum, Ferrantino Landfill File, Disposal of liquid waste in the landfill; April 29, 1969.

23. Letter to Edward Kubiska, Township Engineer, Ypsilanti Township, 1165 Ecorse Road, Ypsilanti, Michigan; July 9, 1969.

24. Letter to Michael Ferrantino, RE: Van Buren Development, Inc., Van Buren Township, Wayne County; August 5, 1969.

25. Letter from Michael Ferrantino to the Michigan Department of Environmental Health, Division of Engineering, Lansing, Michigan; August 30, 1969.

26. Memorandum, Wayne County Health Department, Van Buren Development Company, 5070 Ecorse Road, Van Buren Township, Michigan; August 2, 1984.

27. GM Argonaut Realty, Letter to Environmental Protection Agency, RCRA Activities, Site Notification, Region V; February 3, 1988.

28. Michigan Department of Natural Resources, Environmental Response Division, No Further Remedial Action for Inspection Letter; February 17, 1989.

29. Letter to Tom McNulty, RE: Van Landfill excavation, Northeast Corner of Ecorse Road and Michigan Avenue, Van Buren Township, Michigan; October 8, 1993.

30. Corrective Action Plan (CAP), General Motors Service Parts Operations, 50000 Ecorse Road, Belleville, Michigan; March 11, 1994.

31. RE: CAP Addendum, General Motors Service Parts Operations, 50000 Ecorse Road, Belleville, Michigan; September 8, 1994.

32. RE: CAP Addendum, MDNR, General Motors Service Parts Operations, 50000 Ecorse Road, Belleville, Michigan; September 27, 1994.

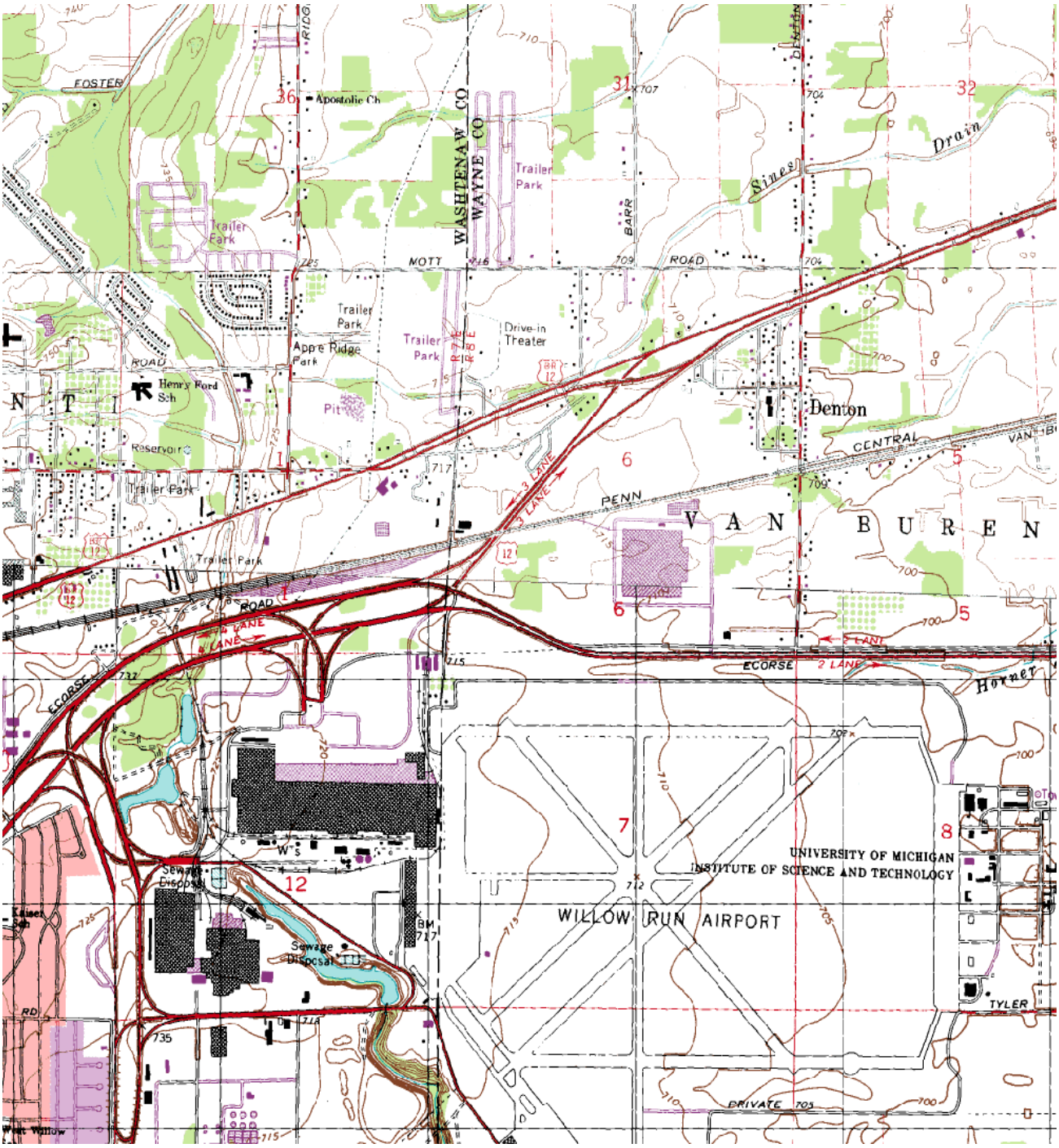
33. EEC, Phase I Environmental Site Assessment (ESA), Vacant Land, Northeast Corner of Ecorse Road & Michigan Avenue, Van Buren Township, Michigan; August 28, 2002.

34. Blasland, Bouck & Lee, Inc. (BBL), Geophysical Investigation, Northeast Corner of Ecorse Road and Michigan Avenue, Van Buren Township, Michigan; July 11, 2003.

35. BBL Environmental Services, Inc. (BBLES), Letter Report for Clearing and Fence Installation, Northeast Corner of Ecorse Road and Michigan Avenue, Van Buren Township, Michigan; December 16, 2003.

APPENDIX A

Figures





Locator Map

Approximate Scale:
1" = 2070'



Parcel A – 67.88 Acres
NEC Ecorse & Michigan Avenue
Van Buren Township, Michigan 48111

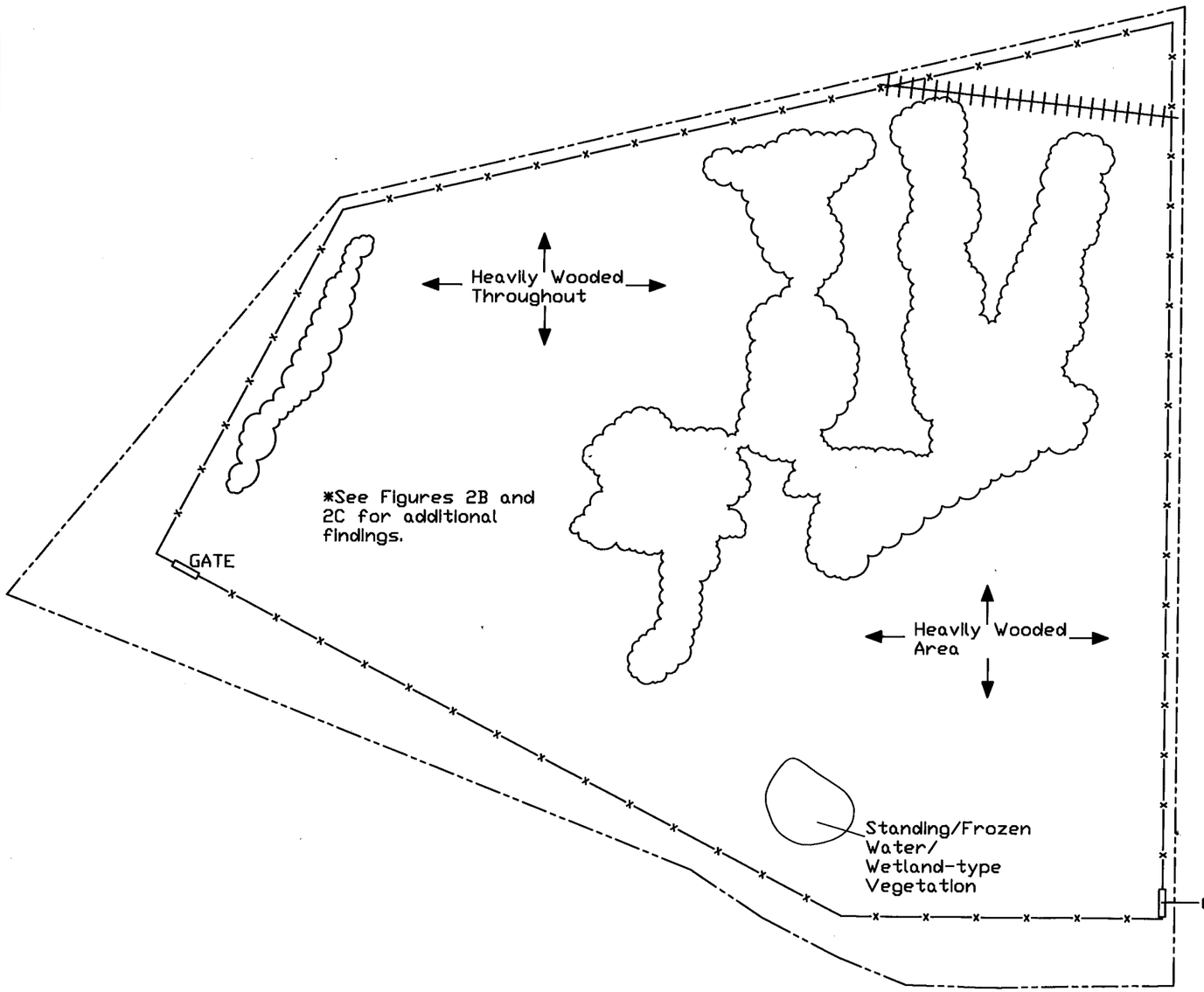
SITE LOCATION MAP

EEC
Encore Environmental Consortium, LLC

FIGURE

1

Privileged and Confidential, Prepared at the Request of Counsel



LEGEND

SITE BOUNDARY

CHAIN LINK FENCE

INACTIVE RAILROAD SPUR

POTENTIAL LANDFILL TRENCH CELLS IDENTIFIED IN EEC's APRIL 2003 GEOPHYSICAL INVESTIGATION



NOT TO SCALE

N W E S

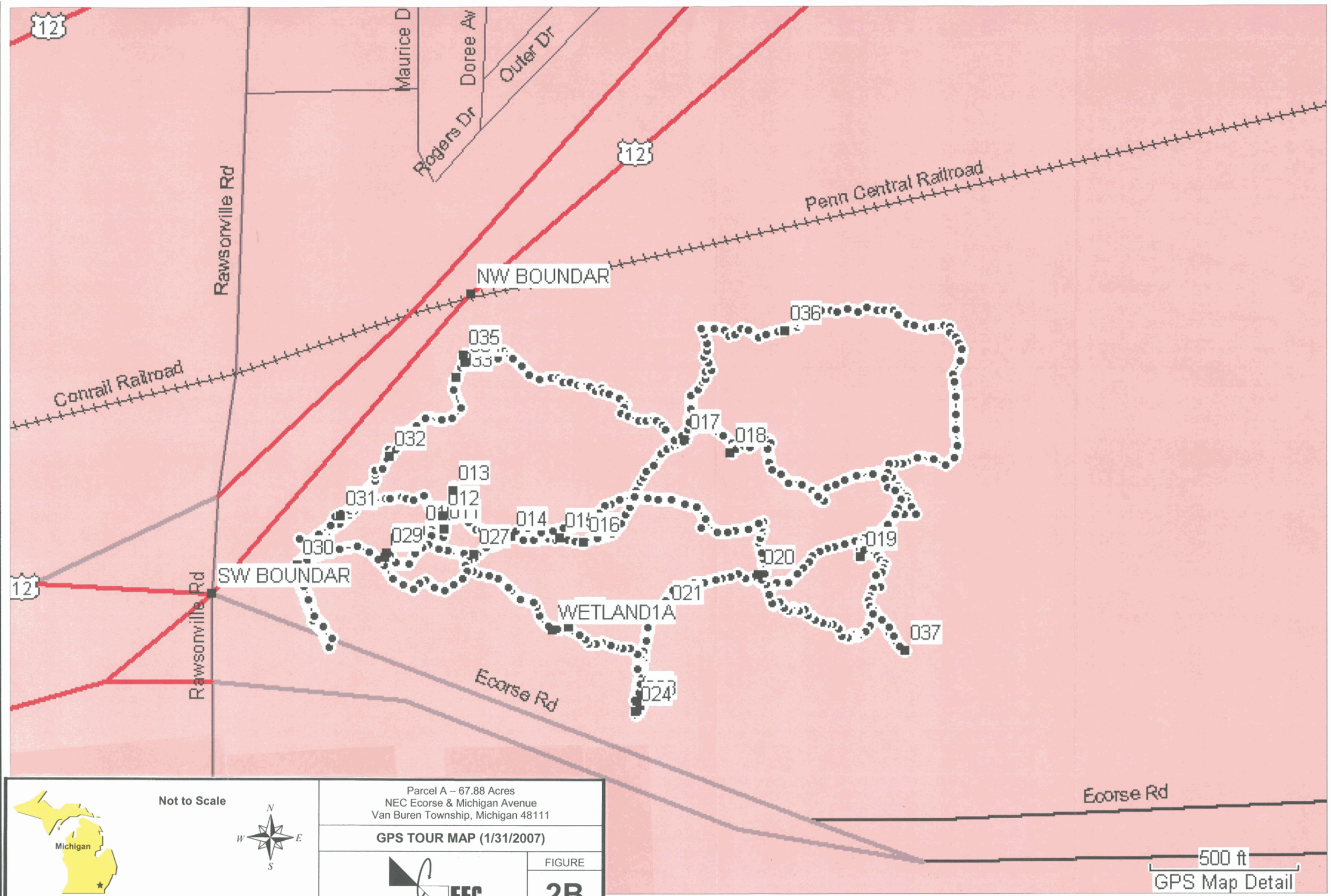
PARCEL A – 67.88 ACRES
NEC ECORSE ROAD & MICHIGAN AVENUE
VAN BUREN TOWNSHIP, MICHIGAN 48111

SITE MAP

FIGURE 2A

EEC Eastern Environmental Consortium, LLC

LEX-85-RER LAYER: ON=*, OFF=*REF* J:\Autocad\GM\Michigan\2007\64435.251\64436251G01.dwg SAVED: 2/12/2007 11:44 AM LAYOUT:Layout1 PAGESETUP:MICHIGAN PENTABLE:PLTFULL.CTB PRINTED: 2/12/2007 12:00 PM BY: RER



Not to Scale

Michigan

Locator Map

N W E S

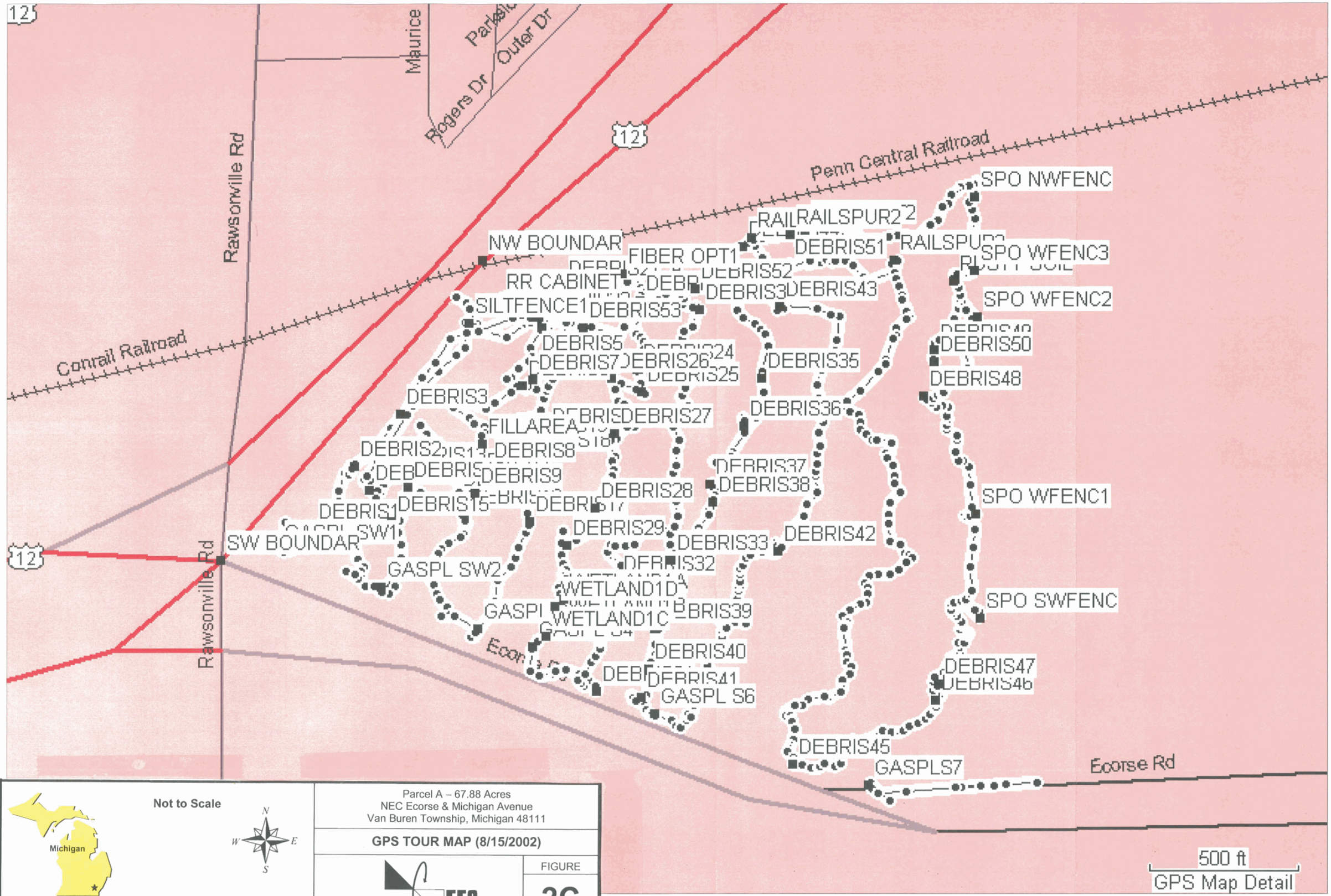
Parcel A – 67.88 Acres
NEC Ecorse & Michigan Avenue
Van Buren Township, Michigan 48111

GPS TOUR MAP (1/31/2007)

EEC

FIGURE

2B



Not to Scale

Michigan

Locator Map

N W E S

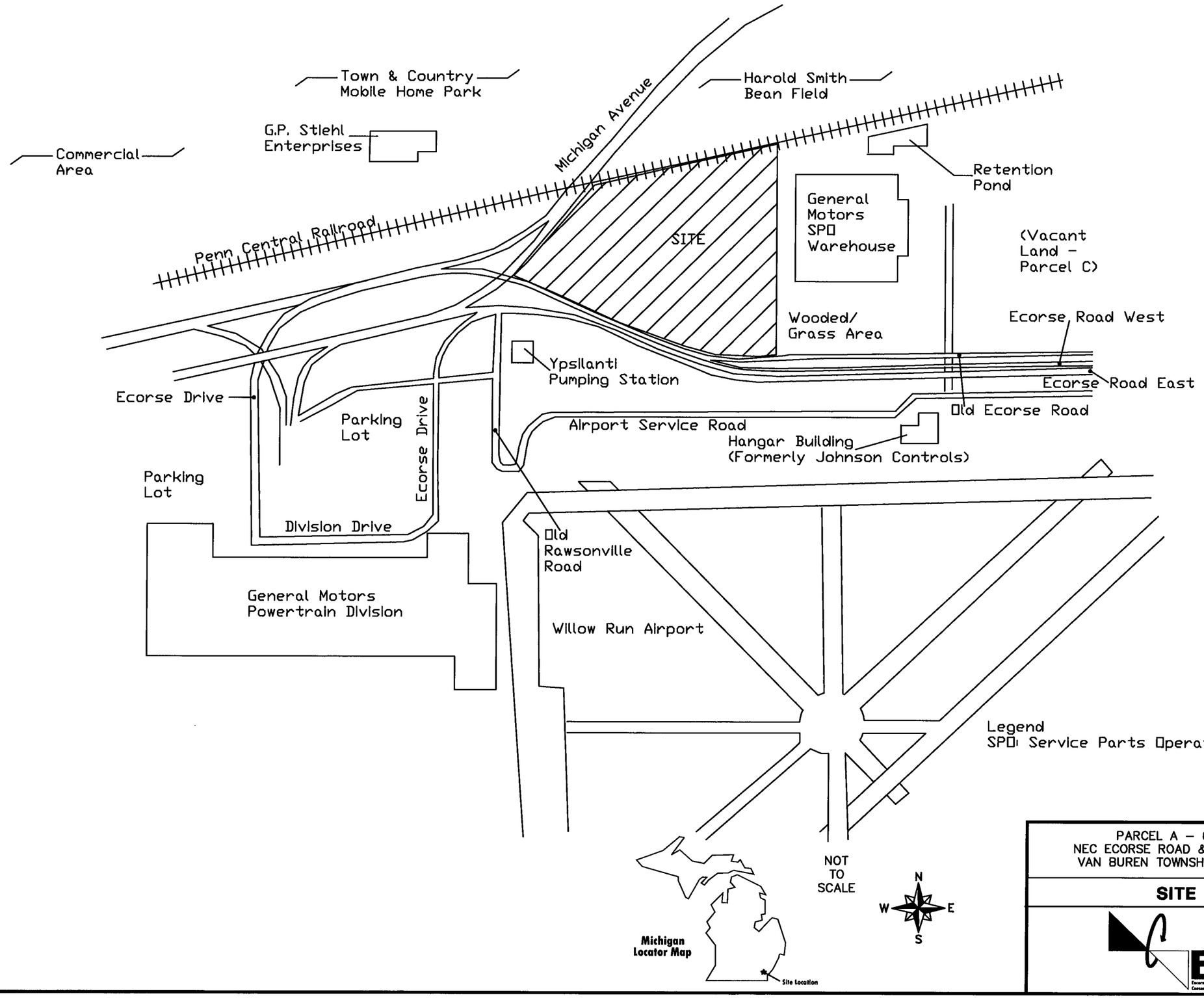
Parcel A – 67.88 Acres
NEC Ecorse & Michigan Avenue
Van Buren Township, Michigan 48111

GPS TOUR MAP (8/15/2002)

EEC

FIGURE

2C



PARCEL A – 67.88 ACRES
NEC ECORSE ROAD & MICHIGAN AVENUE
VAN BUREN TOWNSHIP, MICHIGAN 48111

SITE MAP

FIGURE
3

Environmental Consortium, LLC

LEX-85-RER LAYER: ON=*; OFF=*REF*
J:\Autocad\GM\Michigan\2007\64436.251\64436251G03.dwg SAVED:2/13/2007 11:25 AM LAYOUT:Layout1 PAGESETUP:MICHIGAN PENTABLE:PLTFULL.CTB PRINTED:2/13/2007 11:25 AM BY:RER

APPENDIX B

Contacts and Correspondence

Parcel A - 67.88 Acres of Land
Northeast corner of Ecorse Road and Michigan Avenue
Van Buren Township, Michigan

Contact List

2/7/07

NAME	FIRM / ADDRESS	TITLE	PHONE / WEBPAGE	E-MAIL
Fred Rindhage	General Motors Corporation 2000 Centerpoint Parkway Pontiac, MI	Site Contact	(248) 753-5790 (phone)	---
David Freed	MDEQ – Office of Business Services Constitution Hall P.O. Box 30473 Lansing, MI	FOIA Officer	(517) 241-7428 (fax)	---
Lori Jean Nochols	MDEQ Storage Tank Division Constitution Hall P.O. Box 30473 Lansing, MI	FOIA Officer	(517) 241-7428 (fax)	---
Barbara Fox	MDEQ Environmental Response Division Constitution Hall P.O. Box 30473 Lansing, MI	FOIA Officer	(517) 241-7428 (fax)	---
Lynda Jones	MDEQ Land and Water Management Division Constitution Hall P.O. Box 30473 Lansing, MI	FOIA Officer	(517) 241-7428 (fax)	---
Susan Vorce	MDEQ Surface Water Quality Division Constitution Hall P.O. Box 30473 Lansing, MI	FOIA Officer	(517) 241-7428 (fax)	---
Loretta Eavou	MDEQ Air Quality Division Constitution Hall P.O. Box 30473 Lansing, MI	FOIA Officer	(517) 241-7428 (fax)	---
Thomas J. Gettinger	MDEQ Drinking Water and Radiological Protection Division Constitution Hall P.O. Box 30473 Lansing, MI	FOIA Officer	(517) 241-7428 (fax)	---
Eric Anderson	Wayne County Department of Environmental Land Resource Management Division – Solid Waste	Geologist	(734) 326-4421 (fax)	eanderso@co.wayne.mi.us

	Technical Section 3600 Commerce Court – Building E Wayne, MI 48184			
Representative	Van Buren Township Office 46425 Tyler Road Van Buren Twp., MI 78111	Representative	(734) 699-8900 (phone)	
Internet	MDEQ Storage Tank Database	---	http://www.deq.state.mi.us/sid-web/UST_Search.aspx	---
Internet	EPA Envirofacts Data Warehouse	---	http://www.epa.gov/enviro/	---

EEC
Encore Environmental Consortium, LLC

Documentation of Communication

Date	August 14, 2002
Time	13:00 EDT
Type of Communication	Facsimile

EEC Representative	Joe Kotwicki
Source of Communication (Organization)	Michigan Department of Environmental Quality
Source / Organization Contact	FOIA Officer
Contact Telephone #	
Contact Fax #	Fax: 517-241-7428

Specific Subject Matter:

EEC contacted the Michigan Department of Environmental Quality to obtain available information regarding hazardous waste storage and use, hazardous waste inspections or violations, USTs, closure reports, spills, and any other environmental non-compliance issues at the Site. No records were on file with the Air Quality Division, Drinking Water and Radiological Protection Division, Environmental Response Division, Land and Water Management Division, Storage Tank Division, Surface Water Quality Division, and Waste Management Division.

NOTICE: The information contained in this communication is confidential and privileged proprietary information intended only for the individual or entity to whom it is addressed. Any unauthorized use, distribution, copying or disclosure of this communication is prohibited. If you have received this communication in error, please contact the sender immediately.

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

JOHN ENGLER
GOVERNOR

RUSSELL J. HARDING
DIRECTOR

August 20, 2002

Mr. Brad A. Saunders
EEC
455 East Eisenhower Parkway Suite 260
Ann Arbor, Michigan 48108

Dear Mr. Saunders:

SUBJECT: Request for Disclosure of Official Files for Job Number 01-12546

Your request dated August 14, 2002, to examine or receive copies of documents regarding the Van Landfill, 50700 Ecorse Road. Belleville, Michigan, was received in this office on August 14, 2002.

Your request has been forwarded to the Air Quality Division, Drinking Water and Radiological Protection Division, Environmental Response Division, Land and Water Management Division, Storage Tank Division, Surface Water Quality Division, and Waste Management Division. You will be receiving a letter from each of the divisions/office indicating whether records fitting your descriptions are present.

Due to the forwarding of your request, it is necessary to issue a 10-business day extension until September 5, 2002, as permitted under Section 5(2)(d) of Act 442, PA 1976, the Michigan Freedom of Information Act, as amended.

Sincerely,

David Freed/cw

David Freed
Department FOIA Officer
Financial and Business Services Division
517-241-7415

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

JOHN ENGLER
GOVERNOR

RUSSELL J. HARDING
DIRECTOR

August 22, 2002

Brad A. Saunders
EEC
455 E. Eisenhower Pkwy
Suite 260
Ann Arbor, MI 48108

Dear Mr. Saunders:

SUBJECT: Request for Disclosure of Official Files

Your request dated August 22, 2002, to examine or receive a copy of the following documents is denied.

Description of documents being denied: 50700 Ecorse Road, Belleville, MI.

Reason for denial: The public record does not exist under the name given by the requester, or by another name reasonably known to the public body

Authority for denial: Section 5(4)(b) of the Freedom of Information Act, 1976 PA 422, as amended.

Act 442, PA 1976, The Freedom of Information Act, gives you the right to appeal this decision. The section of the Act describing the appeal process is printed below for your information.

> "Sec. 10.(1) If a public body makes a final determination to deny all or a portion of a request, the requesting person may do 1 of the following at his or her option:
>
> (a) submit to the head of the public body a written appeal that specifically states the word "appeal" and identifies the reason or reasons for reversal of the denial.
>
> (b) commence an action in the circuit court to compel the public body's disclosure of the public records within 180 days after a public body's final determination to deny a request.
>
> (2) Within 10 days after receiving a written appeal pursuant to subsection (1)(a), the head of a public body shall do 1 of the following:
>
> (a) reverse the disclosure denial.
>
> (b) issue a written notice to the requesting person upholding the disclosure denial.
>
> (c) reverse the disclosure denial in part and issue a written notice to the requesting person upholding the disclosure denial in part.
>
> (d) under unusual circumstances, issue a notice extending for not more than 10 business days the period during which the head of the public body shall respond to the written appeal. The head of a public body shall not issue more than 1 notice of extension for a particular written appeal.
> (3) A board or commission that is the head of a public body is not considered to have received a written appeal under subsection (2) until the first regularly scheduled meeting of that board or commission following submission of the written appeal under subsection (1)(a). If the head of the public body fails to respond to a written appeal pursuant to subsection (2), or if the head of the public body upholds all or a portion of the disclosure denial that is the subject of the written

appeal, the requesting person may seek judicial review of the nondisclosure by commencing an action in circuit court under subsection (1)(b).

(4) In an action commenced under subsection(1)(b), a court that determines a public record is not exempt from disclosure shall order the public body to cease withholding or to produce all or a portion of a public record wrongfully withheld, regardless of the location of the public record. The circuit court for the county in which the complainant resides or has his principal place of business, or the circuit court for the county in which the public record or an office of the public body is located has venue over the action. The court shall determine the matter de novo and the burden is on the public body to sustain its denial. The court, on its own motion, may view the public record in controversy in private before reaching a decision. Failure to comply with an order of the court may be punished as contempt of court.

(5) In action commenced under this section and an appeal from an action commenced under this section shall be assigned for hearing and trial or for argument at the earliest practicable date and expedited in every way.

(6) If a person asserting the right to inspect, copy, or receive a copy of all or a portion of a public record prevails in an action commenced under this section, the court shall award reasonable attorneys' fees, costs and disbursements. If the person or public body prevails in part, the court may, in its discretion, award all or an appropriate portion of reasonable attorneys' fees, costs, and disbursement. The award shall be assessed against the public body liable for damages under subsection (7).

(7) If the circuit court determines in an action commenced under this section that the public body has arbitrarily and capriciously violated this act by refusal or delay in disclosing or providing copies of a public record, the court shall award, in addition to any action or compensatory damages, punitive damages in the amount of $500.00 to the person seeking the right to inspect or receive a copy of a public record. The damages shall not be assessed against an individual, but shall be assessed against the next succeeding public body that is not an individual and that kept or maintained the public record as part of its public function."

Sincerely,

Lori Jean Nichols
FOIA Coordinator
Storage Tank Division
Department of Environmental Quality
517-335-7279

FOIA number 1596

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

JOHN ENGLER
GOVERNOR

RUSSELL J. HARDING
DIRECTOR

RECEIVED
SEP 16 2002
BLASLAND BOUCK & LEE, INC.
ANN ARBOR, MI

September 9, 2002

Attention: Mr. Brad A. Saunders
EEC
455 E. Eisenhower Pkwy., Ste. 260
Ann Arbor, MI 48108

Dear Mr. Saunders:

SUBJECT: Request for disclosure of official files

Your request dated August 14, 2002, to examine or receive a copy of the following documents is denied.

Description of documents being denied: **Van Landfill, 50700 Ecorse Rd., Belleville (Wayne County)**

Reason for denial: The public record does not exist under the name given by the requester, or by another name reasonably known to the public body. The Environmental Response Division does not have any information or material regarding this site.

Authority for denial: Public Act No. 442 of 1976, as amended, Section 5(4)(b).

Act 442, PA 1976, The Freedom of Information Act, gives you the right to appeal this decision. The section of the Act describing the appeal process is printed below for your information.

> "Sec. 10.(1) If a public body makes a final determination to deny all or a portion of a request, the requesting person may do 1 of the following at his or her option:
>
> (a) submit to the head of the public body a written appeal that specifically states the word "appeal" and identifies the reason or reasons for reversal of the denial.
>
> (b) commence an action in the circuit court to compel the public body's disclosure of the public records within 180 days after a public body's final determination to deny a request.
>
> (2) Within 10 days after receiving a written appeal pursuant to subsection (1)(a), the head of a public body shall do 1 of the following:
>
> (a) reverse the disclosure denial.
>
> (b) issue a written notice to the requesting person upholding the disclosure denial.
>
> (c) reverse the disclosure denial in part and issue a written notice to the requesting person upholding the disclosure denial in part.

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

JOHN ENGLER
GOVERNOR

RUSSELL J. HARDING
DIRECTOR

August 26, 2002

RECEIVED
SEP 11 2002
BLASLAND BOUCK & LEE, INC.
ANN ARBOR, MI

Mr. Brad A. Saunders
EEC
455 East Eisenhower Parkway, Suite 260
Ann Arbor, Michigan 48108

Dear Mr. Saunders:

SUBJECT: Request for Disclosure of Official Files

Your request dated August 14, 2002, to examine or receive a copy of the following documents is denied.

Description of documents being denied: Van Landfill, 50700 Ecorse Road, Belleville, Michigan 48111 (Facility ID #82000056).

Reason for denial: The public record does not exist under the name given by the requester, or by another name reasonably known to the public body for the Land and Water Management Division.

Authority for denial: Public Act No. 442 of 1976, as amended, Section 5(4)(b).

Act 442, PA 1976, The Freedom of Information Act, gives you the right to appeal this decision. The section of the Act describing the appeal process is printed below for your information.

"Sec. 10.(1) If a public body makes a final determination to deny all or a portion of a request, the requesting person may do one of the following at his or her option:

(a) submit to the head of the public body a written appeal that specifically states the word "appeal" and identifies the reason or reasons for reversal of the denial.

(b) commence an action in the circuit court to compel the public body's disclosure of the public records within 180 days after a public body's final determination to deny a request.

(2) Within 10 days after receiving a written appeal pursuant to subsection (1)(a), the head of a public body shall do one of the following:

(a) reverse the disclosure denial.

(b) issue a written notice to the requesting person upholding the disclosure denial.

(c) reverse the disclosure denial in part and issue a written notice to the requesting person upholding the disclosure denial in part.

(d) under unusual circumstances, issue a notice extending for not more than 10 business days the period during which the head of the public body shall respond to the written appeal. The head of a public body shall not issue more than one notice of extension for a particular written appeal.

(3) A board or commission that is the head of a public body is not considered to have received a written appeal under subsection (2) until the first regularly scheduled meeting of that board or commission following submission of the written appeal under subsection (1)(a). If the head of the public body fails to respond to a written appeal pursuant to subsection (2), or if the head of the public body upholds all or a portion of the disclosure denial that is the subject of the written appeal, the requesting person may seek judicial review of the nondisclosure by commencing an action in circuit court under subsection (1)(b).

(4) In an action commenced under subsection (1)(b), a court that determines a public record is not exempt from disclosure shall order the public body to cease withholding or to produce all or a portion of a public record wrongfully withheld, regardless of the location of the public record. The circuit court for the county in which the complainant resides or has his principal place of business, or the circuit court for the county in which the public record or an office of the public body is located has venue over the action. The court shall determine the matter de novo and the burden is on the public body to sustain its denial. The court, on its own motion, may view the public record in controversy in private before reaching a decision. Failure to comply with an order of the court may be punished as contempt of court.

(5) In action commenced under this section and an appeal from an action commenced under this section shall be assigned for hearing and trial or for argument at the earliest practicable date and expedited in every way.

(6) If a person asserting the right to inspect, copy, or receive a copy of all or a portion of a public record prevails in an action commenced under this section, the court shall award reasonable attorneys' fees, costs and disbursements. If the person or public body prevails in part, the court may, in its discretion, award all or an appropriate portion of reasonable attorneys' fees, costs, and disbursement. The award shall be assessed against the public body liable for damages under subsection (7).

(7) If the circuit court determines in an action commenced under this section that the public body has arbitrarily and capriciously violated this act by refusal or delay in disclosing or providing copies of a public record, the court shall award, in addition to any action or compensatory damages, punitive damages in the amount of $500 to the person seeking the right to inspect or receive a copy of a public record. The damages shall not be assessed against an individual, but shall be assessed against the next succeeding public body that is not an individual and that kept or maintained the public record as part of its public function."

Sincerely,

Lynda Jones

Lynda Jones
FOIA Coordinator
Land and Water Management Division
517-241-9061

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

JOHN ENGLER
GOVERNOR

RUSSELL J. HARDING
DIRECTOR

September 4, 2002

RECEIVED
SEP 11 2002
LEE, INC.
R, MI

Mr. Brad A. Saunders
Encore Environmental Consortium LLC
455 East Eisenhower Parkway, Suite 260
Ann Arbor, MI 48108

Dear Mr. Saunders:

SUBJECT: Request for Disclosure of Official Files

Your August 24, 2002 Freedom of Information Act requests to examine or receive a copy of the following documents is denied.

Description of documents being denied: Van Landfill, Bellevue, Michigan.

Reason for denial: The public record does not exist under the name given by the requester, or by another name reasonably known to the public body.

Authority for denial: Public Act No. 442 of 1976, as amended, Section 5(4)(b).

Act 442, PA 1976, The Freedom of Information Act, gives you the right to appeal this decision. The section of the Act describing the appeal process is printed below for your information.

> "Sec. 10.(1) If a public body makes a final determination to deny all or a portion of a request, the requesting person may do 1 of the following at his or her option:
>
> (a) submit to the head of the public body a written appeal that specifically states the word "appeal" and identifies the reason or reasons for reversal of the denial.
> (b) commence an action in the circuit court to compel the public body's disclosure of the public records within 180 days after a public body's final determination to deny a request.
>
> (2) Within 10 days after receiving a written appeal pursuant to subsection (1)(a), the head of a public body shall do 1 of the following:
>
> (a) reverse the disclosure denial.
> (b) issue a written notice to the requesting person upholding the disclosure denial.
> (c) reverse the disclosure denial in part and issue a written notice to the requesting person upholding the disclosure denial in part.
> (d) under unusual circumstances, issue a notice extending for not more than 10 business days the period during which the head of the public body shall respond to the written appeal. The head of a public body shall not issue more than 1 notice of extension for a particular written appeal.

(3) A board or commission that is the head of a public body is not considered to have received a written appeal under subsection (2) until the first regularly scheduled meeting of that board or commission following submission of the written appeal under subsection (1)(a). If the head of the public body fails to respond to a written appeal pursuant to subsection (2), or if the head of the public body upholds all or a portion of the disclosure denial that is the subject of the written appeal, the requesting person may seek judicial review of the nondisclosure by commencing an action in circuit court under subsection (1)(b).

(4) In an action commenced under subsection(1)(b), a court that determines a public record is not exempt from disclosure shall order the public body to cease withholding or to produce all or a portion of a public record wrongfully withheld, regardless of the location of the public record. The circuit court for the county in which the complainant resides or has his principal place of business, or the circuit court for the county in which the public record or an office of the public body is located has venue over the action. The court shall determine the matter de novo and the burden is on the public body to sustain its denial. The court, on its own motion, may view the public record in controversy in private before reaching a decision. Failure to comply with an order of the court may be punished as contempt of court.

(5) In action commenced under this section and an appeal from an action commenced under this section shall be assigned for hearing and trial or for argument at the earliest practicable date and expedited in every way.

(6) If a person asserting the right to inspect, copy, or receive a copy of all or a portion of a public record prevails in an action commenced under this section, the court shall award reasonable attorneys' fees, costs and disbursements. If the person or public body prevails in part, the court may, in its discretion, award all or an appropriate portion of reasonable attorneys' fees, costs, and disbursement. The award shall be assessed against the public body liable for damages under subsection (7).

(7) If the circuit court determines in an action commenced under this section that the public body has arbitrarily and capriciously violated this act by refusal or delay in disclosing or providing copies of a public record, the court shall award, in addition to any action or compensatory damages, punitive damages in the amount of $500.00 to the person seeking the right to inspect or receive a copy of a public record. The damages shall not be assessed against an individual, but shall be assessed against the next succeeding public body that is not an individual and that kept or maintained the public record as part of its public function."

Sincerely,

S. Vorce

Susan Vorce, FOIA Coordinator
Surface Water Quality Division
517-335-4176

cc: SWQD FOIA 02-344

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

JOHN ENGLER
GOVERNOR

RUSSELL J. HARDING
DIRECTOR

RECEIVED
SEP 11 2002
BLASLAND BOUCK & LEE, INC.
ANN ARBOR, MI

August 27, 2002

Mr. Brad A. Saunders
EEC
455 Eisenhower Parkway
Suite 260
Ann Arbor, Michigan 48108

Subject: Request for Information

Dear Mr. Saunders:

Your request to examine and/or receive copies of public information from the Michigan Department of Environmental Quality (DEQ), Air Quality Division (AQD), has been received. You specifically requested information on the following:

- Van Landfill, 50700 Ecorse Road, Belleville, Michigan.

We found no permits with this company name or location.

Requests focusing on investigations, compliance, enforcement, and complaints are routinely handled on a district level. Your request has been faxed to the Detroit District Office of the DEQ. If they have any information in their files, they will contact you directly.

If you have any questions, or if we can be of assistance to you in the future, please contact our office at 517-335-4950.

Sincerely,

Loretta Eavou

Loretta Eavou
FOIA Coordinator
Air Quality Division

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
DETROIT

JOHN ENGLER
GOVERNOR

RUSSELL J. HARDING
DIRECTOR

September 3, 2002

RECEIVED
SEP 11 2002
CLASSIC BOUCK & LEE, INC.
ANN ARBOR, MI

Mr. Brad A. Saunders
Encore Environmental Consortium, LLC
455 E. Eisenhower Parkway, Suite 260
Ann Arbor, MI 48108

Dear Mr. Saunders:

SUBJECT: Request for Disclosure of Official Files

Your request dated August 14, 2002 to examine or receive a copy of the following documents is denied.

Description of documents being denied:

Van Landfill, 50700 Ecorse Road, Belleville, Wayne County, Michigan

Reason for denial: The public record does not exist under the name given by the requester, or by another name reasonably known to the public body. *After checking our records, I cannot find any information in the Southeast Michigan District Air Quality Division records pertaining to this request.*

Authority for denial: Public Act No. 442 of 1976, as amended, Section 5(4)(b).

Act 442, PA 1976, The Freedom of Information Act, gives you the right to appeal this decision. The section of the Act describing the appeal process is printed below for your information.

> "Sec. 10.(1) If a public body makes a final determination to deny all or a portion of a request, the requesting person may do 1 of the following at his or her option:
>
> (a) submit to the head of the public body a written appeal that specifically states the word "appeal" and identifies the reason or reasons for reversal of the denial.
> (b) commence an action in the circuit court to compel the public body's disclosure of the public records within 180 days after a public body's final determination to deny a request.
>
> (2) Within 10 days after receiving a written appeal pursuant to subsection (1)(a), the head of a public body shall do 1 of the following:
>
> (a) reverse the disclosure denial.
> (b) issue a written notice to the requesting person upholding the disclosure denial.
> (c) reverse the disclosure denial in part and issue a written notice to the requesting person upholding the disclosure denial in part.
> (d) under unusual circumstances, issue a notice extending for not more than 10 business days the period during which the head of the public body shall respond to the written appeal. The head of a public body shall not issue more than 1 notice of extension for a particular written appeal.

(3) A board or commission that is the head of a public body is not considered to have received a written appeal under subsection (2) until the first regularly scheduled meeting of that board or commission following submission of the written appeal under subsection (1)(a). If the head of the public body fails to respond to a written appeal pursuant to subsection (2), or if the head of the public body upholds all or a portion of the disclosure denial that is the subject of the written appeal, the requesting person may seek judicial review of the nondisclosure by commencing an action in circuit court under subsection (1)(b).

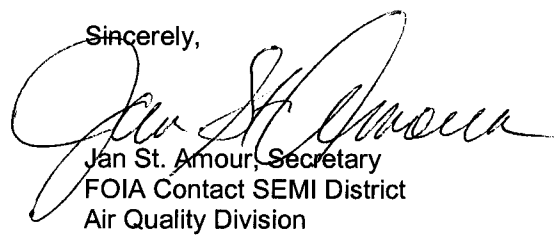
(4) In an action commenced under subsection(1)(b), a court that determines a public record is not exempt from disclosure shall order the public body to cease withholding or to produce all or a portion of a public record wrongfully withheld, regardless of the location of the public record. The circuit court for the county in which the complainant resides or has his principal place of business, or the circuit court for the county in which the public record or an office of the public body is located has venue over the action. The court shall determine the matter de novo and the burden is on the public body to sustain its denial. The court, on its own motion, may view the public record in controversy in private before reaching a decision. Failure to comply with an order of the court may be punished as contempt of court.

(5) In action commenced under this section and an appeal from an action commenced under this section shall be assigned for hearing and trial or for argument at the earliest practicable date and expedited in every way.

(6) If a person asserting the right to inspect, copy, or receive a copy of all or a portion of a public record prevails in an action commenced under this section, the court shall award reasonable attorneys' fees, costs and disbursements. If the person or public body prevails in part, the court may, in its discretion, award all or an appropriate portion of reasonable attorneys' fees, costs, and disbursement. The award shall be assessed against the public body liable for damages under subsection (7).

(7) If the circuit court determines in an action commenced under this section that the public body has arbitrarily and capriciously violated this act by refusal or delay in disclosing or providing copies of a public record, the court shall award, in addition to any action or compensatory damages, punitive damages in the amount of $500.00 to the person seeking the right to inspect or receive a copy of a public record. The damages shall not be assessed against an individual, but shall be assessed against the next succeeding public body that is not an individual and that kept or maintained the public record as part of its public function."

Sincerely,



Jan St. Amour, Secretary
FOIA Contact SEMI District
Air Quality Division
734-432-1287 (Livonia)
313-456-4691 (Detroit)

JMS

cc: FOIA Book

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

JOHN ENGLER
GOVERNOR

RUSSELL J. HARDING
DIRECTOR

August 28, 2002

RECEIVED
SEP 11 2002
CLARK LUND COUCK & LEE, INC.
ANN ARBOR, MI

Mr. Brad Saunders
EEC
455 East Eisenhower Parkway, Suite 260
Ann Arbor, Michigan 48108

Dear Mr. Saunders:

SUBJECT: Request for Disclosure of Official Files

Your request received on August 22, 2002, to examine or receive a copy of the following documents is denied.

Description of documents being denied: Van Landfill, 50700 Ecorse Rd., Belleville, Michigan 48111

Reason for denial: The public record does not exist under the name given by the requester, or by another name reasonably known to the public body.

Authority for denial: Public Act No. 442 of 1976, as amended, Section 5(4)(b).

Act 442, PA 1976, The Freedom of Information Act, gives you the right to appeal this decision. The section of the Act describing the appeal process is printed below for your information.

"Sec. 10.(1) If a public body makes a final determination to deny all or a portion of a request, the requesting person may do 1 of the following at his or her option:

(a) submit to the head of the public body a written appeal that specifically states the word "appeal" and identifies the reason or reasons for reversal of the denial.

(b) commence an action in the circuit court to compel the public body's disclosure of the public records within 180 days after a public body's final determination to deny a request.

(2) Within 10 days after receiving a written appeal pursuant to subsection (1)(a), the head of a public body shall do 1 of the following:

(a) reverse the disclosure denial.

(b) issue a written notice to the requesting person upholding the disclosure denial.

(c) reverse the disclosure denial in part and issue a written notice to the requesting person upholding the disclosure denial in part.

(d) under unusual circumstances, issue a notice extending for not more than 10 business days the period during which the head of the public body shall respond to the written appeal. The head of a public body shall not issue more than 1 notice of extension for a particular written appeal.

(3) A board or commission that is the head of a public body is not considered to have received a written appeal under subsection (2) until the first regularly scheduled meeting of that board or commission following submission of the written appeal under subsection (1)(a). If the head of the public body fails to respond to a written appeal pursuant to subsection (2), or if the head of the public body upholds all or a portion of the disclosure denial that is the subject of the written appeal, the requesting person may seek judicial review of the nondisclosure by commencing an action in circuit court under subsection (1)(b).

(4) In an action commenced under subsection(1)(b), a court that determines a public record is not exempt from disclosure shall order the public body to cease withholding or to produce all or a portion of a public record wrongfully withheld, regardless of the location of the public record. The circuit court for the county in which the complainant resides or has his principal place of business, or the circuit court for the county in which the public record or an office of the public body is located has venue over the action. The court shall determine the matter de novo and the burden is on the public body to sustain its denial. The court, on its own motion, may view the public record in controversy in private before reaching a decision. Failure to comply with an order of the court may be punished as contempt of court.

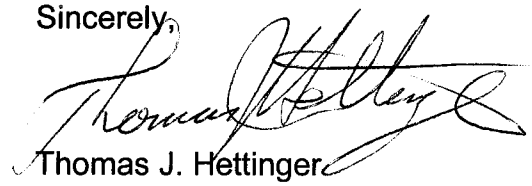
(5) In action commenced under this section and an appeal from an action commenced under this section shall be assigned for hearing and trial or for argument at the earliest practicable date and expedited in every way.

(6) If a person asserting the right to inspect, copy, or receive a copy of all or a portion of a public record prevails in an action commenced under this section, the court shall award reasonable attorneys' fees, costs and disbursements. If the person or public body prevails in part, the court may, in its discretion, award all or an appropriate portion of reasonable attorneys' fees, costs, and disbursement. The award shall be assessed against the public body liable for damages under subsection (7).

(7) If the circuit court determines in an action commenced under this section that the public body has arbitrarily and capriciously violated this act by refusal or

delay in disclosing or providing copies of a public record, the court shall award, in addition to any action or compensatory damages, punitive damages in the amount of $500.00 to the person seeking the right to inspect or receive a copy of a public record. The damages shall not be assessed against an individual, but shall be assessed against the next succeeding public body that is not an individual and that kept or maintained the public record as part of its public function."

Sincerely,



Thomas J. Hettinger
FOIA Coordinator
Drinking Water and Radiological
Protection Division
517-241-1330

EQP1048e (1/2002)

EEC
Encore Environmental Consortium, LLC

Documentation of Communication

Date	February 7, 2007
Time	14:00 EDT
Type of Communication	Internet

EEC Representative	Joe Kotwicki
Source of Communication (Organization)	MDEQ Storage Tank Database
Source / Organization Contact	---
Contact Phone #	
Internet Address	http://www.deq.state.mi.us/sid-web/UST_Search.aspx

Specific Subject Matter:

EEC searched the MDEQ storage tank database on the internet for information on LUST case at the adjacent GM SPO Warehouse. Information contained on the database indicated that one 1,000-gallon gasoline UST and on 1,500-gallon used grease UST were installed at the facility on April 20, 1971. In addition, one 500-gallon gasoline UST was installed at the facility on August 1, 1991. The USTs were removed from the ground on an unreported date. A release (Leak Number C-1692-91) of an unknown quantity of an unknown substance was reported on August 19, 1991. The release is currently listed as open.

NOTICE: The information contained in this communication is confidential and privileged proprietary information intended only for the individual or entity to whom it is addressed. Any unauthorized use, distribution, copying or disclosure of this communication is prohibited. If you have received this communication in error, please contact the sender immediately.

Storage Tank Information Database

Storage Tank Facilities List

SID-DEQ

Facility and Tank Details

Facility Information:
Facility ID:00019444
GM Warehousing & Distribution
50000 Ecorse Rd, Belleville, MI 48111
Phone# : (734) 481-3550

Owner Information:
GM Warehousing & Distribution
5000 Ecorse Rd, Belleville, MI 48111
Phone# : (810) 635-6349

Tank ID	Tank Status	Capacity (in gallons)	Installation Date	Substance Stored	Tank Release Detection	Piping Release Detection	Piping Material	Piping Type	Cons Ma
1	Removed from Ground	1000	4/30/1971 12:00:00 AM	Gasoline			Bare Steel		Asph Coat Bare
2	Removed from Ground	1500	4/30/1971 12:00:00 AM	USED GREASE			Fiberglass reinforced plastic		Unkr
3	Removed from Ground	500	8/1/1991 12:00:00 AM	Gasoline	Interstitial Monitoring Double Walled Tank, Inter Monitoring/Second Containment	Interstitial Monitoring Double Walled Piping, Interstitial Monitoring/Second Containment	Fiberglass Reinforced Plastic, Double Walled	Suction: No Valve At Tank	Cath Prote Stee Doul Wall

Release Information

Leak ID	LUST Site Name	Discovery Date	Substance Released	Release Status	Closed Date	Evaluation	Land Use Restrictions
C-1692-91	GM Service Parts Operation	08/19/1991	Unknown	Open			

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EEC
Encore Environmental Consortium, LLC

Documentation of Communication

Date	February 7, 2007
Time	14:00 EDT
Type of Communication	Internet

EEC Representative	Joe Kotwicki
Source of Communication (Organization)	MDEQ Storage Tank Database
Source / Organization Contact	---
Contact Phone #	
Internet Address	http://www.deq.state.mi.us/sid-web/UST_Search.aspx

Specific Subject Matter:

EEC searched the MDEQ storage tank database on the internet for information on USTs at the Site. No information was listed for the Site.

NOTICE: The information contained in this communication is confidential and privileged proprietary information intended only for the individual or entity to whom it is addressed. Any unauthorized use, distribution, copying or disclosure of this communication is prohibited. If you have received this communication in error, please contact the sender immediately.

Storage Tank Information Database

Underground StorageTank

SID-DEQ

Search Results

No matching record found for for Facility Name: van landfill; Facility Status: Active;

Facility ID	Facility Name	Facility Address	Owner Name	Owner Address	Active Tanks

Page 0 of 0

[First Page] [Previous Page] [Next Page] [Last Page]

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Documentation of Communication

Date	February 6, 2007
Time	8:45 AM EDT
Type of Communication	Internet

EEC Representative	Joe Kotwicki
Source of Communication (Organization)	EPA Envirofacts
Source / Organization Contact	http://www.epa.gov/enviro/
Contact #	NA
Email	

Specific Subject Matter:

EEC searched the EPA Envirofacts Internet site for available environmental information related to the Site. The following information regarding environmental regulatory programs was obtained:

- Information was listed under Van Landfill located at 50700 Ecorse Road, in Belleville, Michigan. No other organization and alias names were listed in association with the Site.
- The Site was listed on the Criteria and Hazardous Air Pollutant Inventory database with information system ID NEIMILF449. The Site was listed on the North American Industry Classification System (NAICS) with NAICS Code 562212. The Site was also listed on the Standard Industrial Classification (SIC) with SIC Code 4953. The Site was identified as a solid waste landfill and refuse systems on each database, respectively.

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U.S. Environmental Protection Agency

Facility Registry System (FRS)



FRS

Facility Detail Report

Report an Error

Facility Name:	VAN LANDFILL
Location Address:	50700 ECORSE RD
Supplemental Address:	
City Name:	BELLEVILLE
State	MI
County Name:	WAYNE
ZIP/Postal Code:	48111
EPA Region:	05
Congressional District Number:	
Legislative District Number:	
HUC Code:	
Federal Facility:	
Tribal Land :	
Latitude:	42.247547
Longitude:	-83.536652
Method:	ADDRESS MATCHING-BLOCK FACE
Reference Point Description:	OTHER
Duns Number:	
Registry ID:	110014002649

Map this facility

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
NEI	NEIMILF449	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	NEI		

Facility Mailing Addresses

No Facility Mailing Addresses returned.

NAICS Codes

Data Source	NAICS Code	Description	Primary
NEI	562212	SOLID WASTE LANDFILL.	

SIC Codes

Data Source	SIC Code	Description	Primary
NEI	4953	REFUSE SYSTEMS	

Contacts

No Contacts returned.

Organizations

No Organizations returned.

Alternative Names

No Alternative Names returned.

Query executed on: FEB-06-2007

APPENDIX C

Photographs



Photograph 1. View of the southwestern portion of the Site, facing northwest.



Photograph 2. View of the southern Site boundary, along Ecorse Road, facing east-northeast.



Photograph 3. View of mounded debris piles located along the northwestern boundary of the Site, facing north.



Photograph 4. View of an open area located in the western portion of the Site.



Photograph 5. View of wetland vegetation located in the south-central portion of the Site, facing southwest.



Photograph 6. View of the Penn Central Railroad spur located in the northeastern portion of the Site, facing northeast.



Photograph 7. View of a debris pile located in the western portion of the Site.



Photograph 8. View of construction debris and empty 5-gallon paint thinner canisters located in the western portion of the Site.



Photograph 9. View of debris and tires located in the western portion of the Site.

APPENDIX D

Environmental Database Report

The EDR Radius Map
with GeoCheck®

Parcel A - 67.88 Acres
NEC Ecorse & Michigan Avenue
Van Buren Township, MI 48111

Inquiry Number: 1839753.1s

January 19, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-

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EPA Waste Codes	EPA-1
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
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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

NEC ECORSE & MICHIGAN AVENUE
VAN BUREN TOWNSHIP, MI 48111

COORDINATES

Latitude (North):	42.250300 - 42° 15' 1.1''
Longitude (West):	83.539500 - 83° 32' 22.2''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	290498.4
UTM Y (Meters):	4680476.0
Elevation:	716 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	42083-C5 DENTON, MI
Most Recent Revision:	1980
South Map:	42083-B5 YPSILANTI EAST, MI
Most Recent Revision:	1980

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

FEDERAL RECORDS

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
Delisted NPL ---------- National Priority List Deletions
NPL RECOVERY ---------- Federal Superfund Liens
CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

EXECUTIVE SUMMARY

RCRA-TSDF Resource Conservation and Recovery Act Information
RCRA-LQG Resource Conservation and Recovery Act Information
ERNS Emergency Response Notification System
HMIRS Hazardous Materials Information Reporting System
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls
DOD Department of Defense Sites
CONSENT Superfund (CERCLA) Consent Decrees
ROD Records Of Decision
UMTRA Uranium Mill Tailings Sites
ODI Open Dump Inventory
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)
SSTS Section 7 Tracking Systems
ICIS Integrated Compliance Information System
RADINFO Radiation Information Database
CDL Clandestine Drug Labs
LUCIS Land Use Control Information System
PADS PCB Activity Database System
MLTS Material Licensing Tracking System
MINES Mines Master Index File
RAATS RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

DEL SHWS Delisted List of Contaminated Sites
SWF/LF Solid Waste Facilities Database
PEAS Pollution Emergency Alerting System
AUL Engineering and Institutional Controls
DRYCLEANERS Drycleaning Establishments
NPDES List of Active NPDES Permits
AIRS Permit and Emissions Inventory Data

TRIBAL RECORDS

INDIAN RESERV Indian Reservations
INDIAN LUST Leaking Underground Storage Tanks on Indian Land
INDIAN UST Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants EDR Proprietary Manufactured Gas Plants

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.

EXECUTIVE SUMMARY

FEDERAL RECORDS

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

A review of the CORRACTS list, as provided by EDR, and dated 09/27/2006 has revealed that there is 1 CORRACTS site within approximately 1.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
GENERAL MOTORS CORP POWERTRAIN	*ECOURSE ROAD*	*1/2 - 1 SW*	*18*	*22*

RCRAInfo: 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. 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 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 4 RCRA-SQG sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
DTE ENERGY/MICHCON	*120 RAWSONVILLE ROAD*	*1/4 - 1/2 WNW*	*C8*	*11*
EQIS TRANSFER & PROCESSING	*1010 OLD RAWSONVILLE RD*	*1/4 - 1/2 NW*	*C9*	*12*

Lower Elevation	Address	Dist / Dir	Map ID	Page
ADVANCED CUSTOM PAINT LTD	*175 RAWSONVILLE ROAD*	*1/8 - 1/4 W*	*B4*	*8*
DTE ENERGY/MICHCON	*3150 E MICHIGAN AVE*	*1/4 - 1/2 NW*	*10*	*13*

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 FUDS site within approximately 1.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
WILLOW RUN AIRPORT		1 - 2 S	19	40

EXECUTIVE SUMMARY

US BROWNFIELDS: The EPA's listing of Brownfields properites addressed by Cooperative Agreement Recipients and Brownfields properties addressed by Targeted Brownfields Assessments

A review of the US BROWNFIELDS list, as provided by EDR, and dated 10/17/2006 has revealed that there is 1 US BROWNFIELDS site within approximately 0.75 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
3105 E MICHIGAN AVE	3105 EAST MICHIGAN AVE.	1/2 - 1 WNW	D16	19

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

A review of the FINDS list, as provided by EDR, and dated 10/11/2006 has revealed that there are 2 FINDS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
VAN LANDFILL	50700 ECORSE RD	1/8 - 1/4 SSE	A2	7
ADVANCED CUSTOM PAINT LTD	***175 RAWSONVILLE ROAD***	***1/8 - 1/4 W***	***B4***	***8***

STATE AND LOCAL RECORDS

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

A review of the SHWS list, as provided by EDR, and dated 11/20/2006 has revealed that there is 1 SHWS site within approximately 1.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CONRAIL WILLOW RUN CAR SHOP	***2575 ECORSE RD***	***1 - 2 WSW***	***20***	***41***
Facility Status: Interim Response in progress				

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 0.75 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
VAN LANDFILL	50700 ECORSE RD	1/8 - 1/4 SSE	A1	6

EXECUTIVE SUMMARY

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 12/13/2006 has revealed that there are 4 LUST sites within approximately 0.75 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MICHCON Facility Status: Closed	***3160 E MICHIGAN***	***1/2 - 1 WNW***	***12***	***14***
THOMAS ANDREW LEACH Facility Status: Open	***3105 E MICHIGAN AVE***	***1/2 - 1 WNW***	***D13***	***16***
AHMED BEYDOUN SERVICE INC Facility Status: Closed	***3025 E MICHIGAN AVE***	***1/2 - 1 WNW***	***D17***	***19***

Lower Elevation	Address	Dist / Dir	Map ID	Page
GM WAREHOUSING & DISTRIBUTIO Facility Status: Open	50000 ECORSE RD	1/2 - 1 ESE	11	14

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 12/13/2006 has revealed that there is 1 UST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
YPSILANTI PUMPING STATION	361 RAWSONVILLE RD	1/4 - 1/2 WSW	6	9

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

A review of the AST list, as provided by EDR, and dated 12/13/2006 has revealed that there is 1 AST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WILLOW STATION	120 RAWSONVILLE RD	1/4 - 1/2 WNW	C7	9

BROWNFIELDS: Brownfields and USTfield Site Database.

A review of the BROWNFIELDS list, as provided by EDR, and dated 11/01/2006 has revealed that there is 1 BROWNFIELDS site within approximately 0.75 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
THOMAS ANDREW LEACH	3105 E. MICHIGAN AVE.	1/2 - 1 WNW	D14	18

EXECUTIVE SUMMARY

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 12/14/2006 has revealed that there are 3 BEA sites within approximately 0.75 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported	3105 EAST MICHIGAN AVEN	1/2 - 1 WNW	D15	18

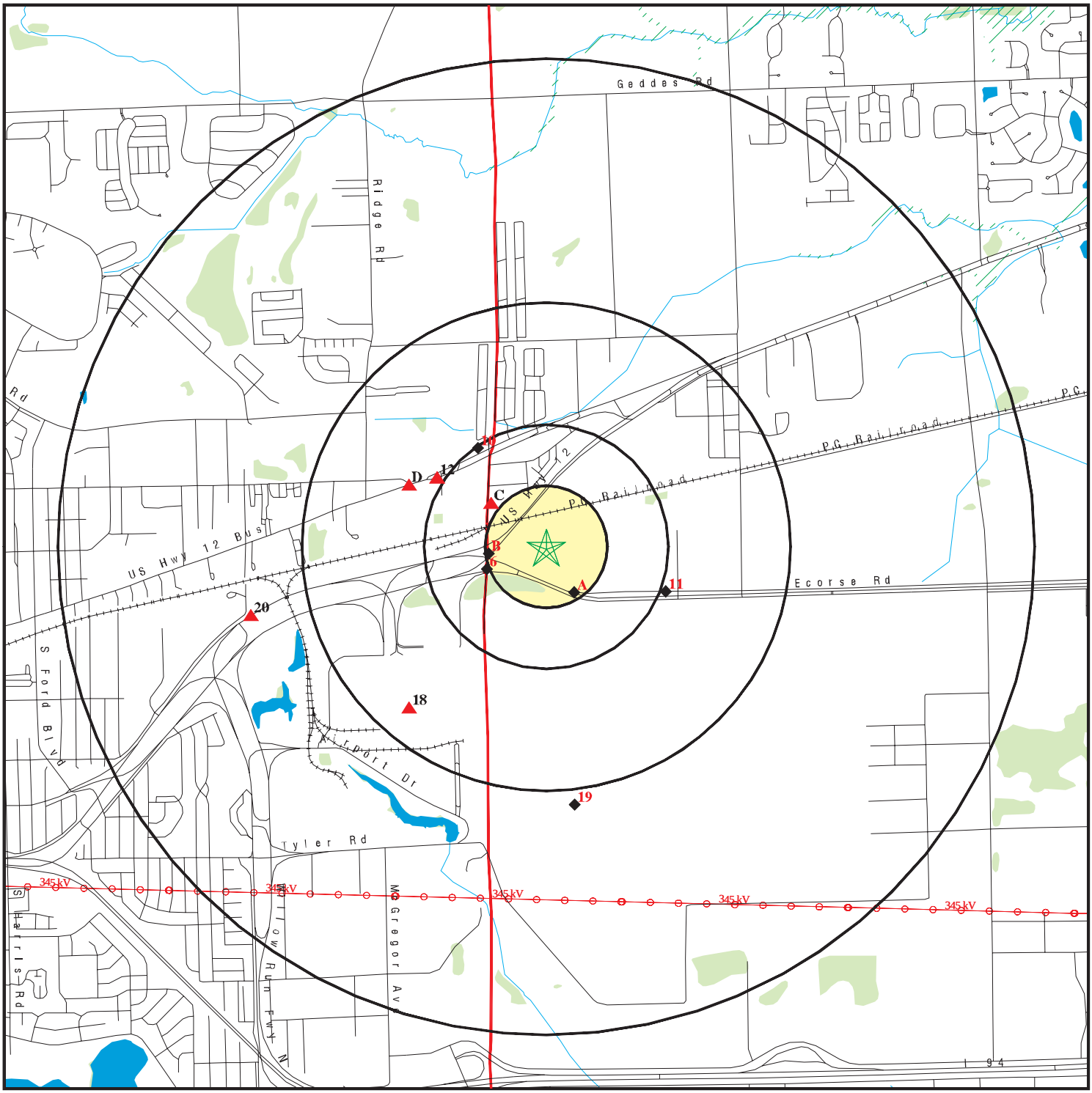
Lower Elevation	Address	Dist / Dir	Map ID	Page
ADVANCE CUSTOM PAINTS, LTD.	175 RAWSONVILLE ROAD	1/8 - 1/4 W	B3	7
G. P. STIEHL ENTERPRISES, LLC	175 RAWSONVILLE ROAD	1/8 - 1/4 W	B5	8

EXECUTIVE SUMMARY

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

Site Name	Database(s)
5TH AVENUE CLEANERS	DRYCLEANERS
MONTIE PROPERTY BEMIS ROAD	SHWS
CARELTON WEST RD BARREL DUMP	SHWS, DEL SHWS
PETERSON PROPERTY LANDFILL	SHWS
DETROIT EDISON SUPERIOR SUBSTN	SHWS
WILLOW RUN AIRPORT	SHWS, PEAS
VAN BUREN TOWNSHIP DRUMS	CERCLIS, FINDS
VAN BUREN DEVELOPMENT COMPANY LANDFILL	CERC-NFRAP
MOBIL	LUST, UST
WILLOW RUN WAYNE COUNTY	LUST, UST
ZANTOP INTERNATIONAL AIRLINES	LUST, UST
GMPTG	LUST, UST
AMERICAN INT'L AIRWAYS INC	LUST, UST
OTTAWA LAKE - QXK RMLK	UST
WILLOW RUN AIRPORT FUEL FARM	AST
GMPT WILLIOW RUN	AST
DETROIT EDISON - SUPERIOR STATION	AST
WAYNE COUNTY ROADS	RCRA-SQG
NORFOLK SOUTHERN CORP PARCEL 279A	RCRA-SQG, FINDS
AMERICAN INTERNATIONAL AIRWAYS INC	RCRA-SQG, FINDS
AMERICAN INTERNATIONAL AIRWAYS INC	RCRA-SQG, FINDS
ZANTOP INTERNATIONAL AIRLINES	RCRA-SQG
ROUSH INDUSTRIES INC	RCRA-SQG
EXPRESS NET AIRLINES	RCRA-SQG
FIRST ENERGY CORPORATION - SUMPTER PLANT	FINDS
CANTON ANALYTICAL LABS	US BROWNFIELDS
PLASBER INC. - RIM #26	US BROWNFIELDS
8.69 ACRE PARCEL	BEA
200 - 214 E MICHIGAN	BEA
WATER ST REDEVELOPMENT	BEA
PARCEL III	BEA
THOMPSON-MCCULLY CO	AIRS
CADILLAC ASPHALT-BELLEVILLE	NPDES

OVERVIEW MAP - 1839753.1s

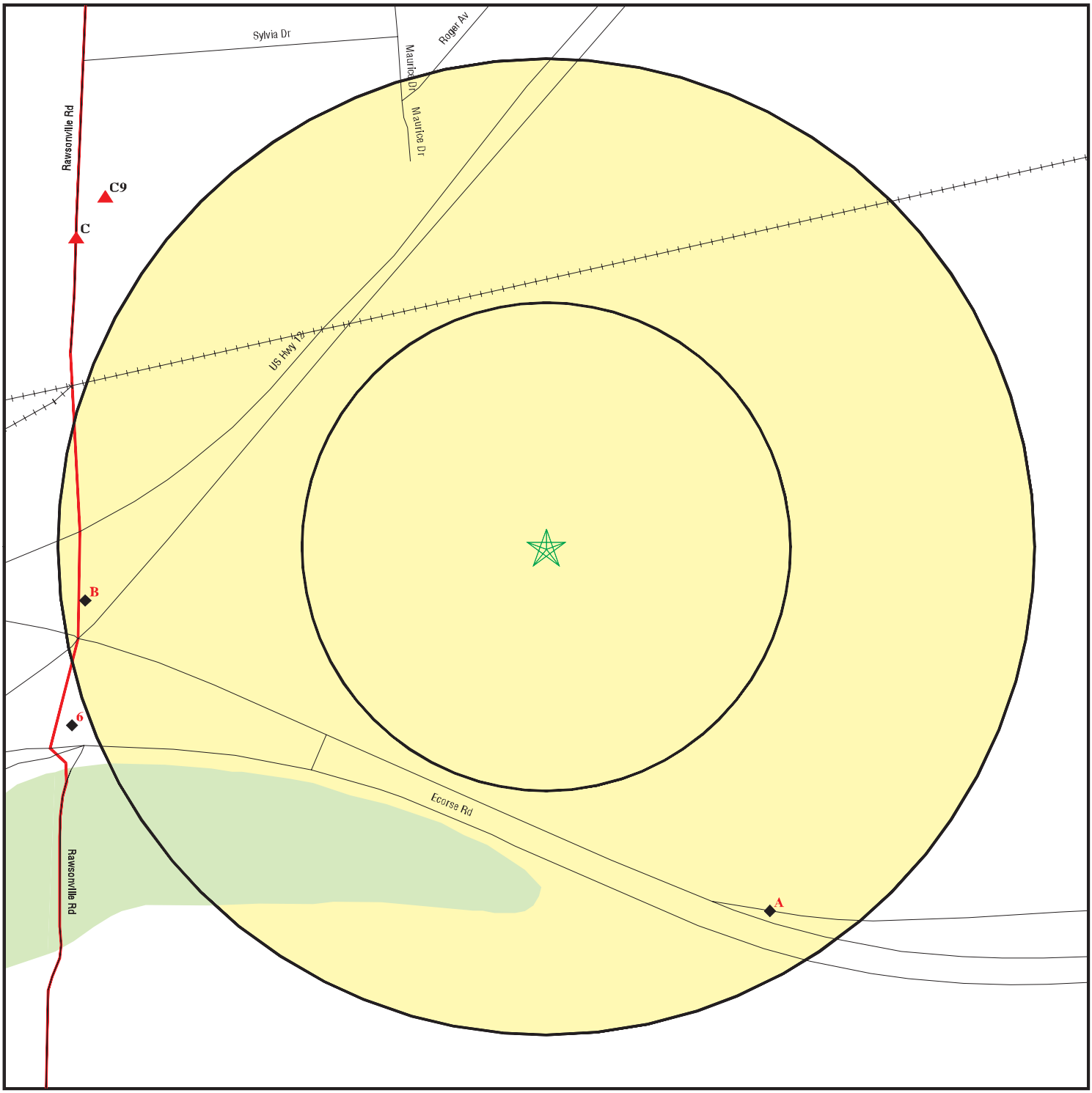


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines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

SITE NAME:	Parcel A - 67.88 Acres	CLIENT:	Encore Environmental Consortiu
ADDRESS:	NEC Ecorse & Michigan Avenue Van Buren Township MI 48111	CONTACT:	Lauren Alkidas
LAT/LONG:	42.2503 / 83.5395	INQUIRY #:	1839753.1s
		DATE:	January 19, 2007 6:21 pm

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DETAIL MAP - 1839753.1s



- 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
- Landfill Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

N

SITE NAME:	Parcel A - 67.88 Acres	CLIENT:	Encore Environmental Consortiu
ADDRESS:	NEC Ecorse & Michigan Avenue Van Buren Township MI 48111	CONTACT:	Lauren Alkidas
		INQUIRY #:	1839753.1s
LAT/LONG:	42.2503 / 83.5395	DATE:	January 19, 2007 6:21 pm

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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
FEDERAL RECORDS								
NPL		1.250	0	0	0	0	0	0
Proposed NPL		1.250	0	0	0	0	0	0
Delisted NPL		1.250	0	0	0	0	0	0
NPL RECOVERY		0.250	0	0	NR	NR	NR	0
CERCLIS		0.750	0	0	0	0	NR	0
CERC-NFRAP		0.750	0	0	0	0	NR	0
CORRACTS		1.250	0	0	0	1	0	1
RCRA TSD		0.750	0	0	0	0	NR	0
RCRA Lg. Quan. Gen.		0.500	0	0	0	NR	NR	0
RCRA Sm. Quan. Gen.		0.500	0	1	3	NR	NR	4
ERNS		0.250	0	0	NR	NR	NR	0
HMIRS		0.250	0	0	NR	NR	NR	0
US ENG CONTROLS		0.750	0	0	0	0	NR	0
US INST CONTROL		0.750	0	0	0	0	NR	0
DOD		1.250	0	0	0	0	0	0
FUDS		1.250	0	0	0	0	1	1
US BROWNFIELDS		0.750	0	0	0	1	NR	1
CONSENT		1.250	0	0	0	0	0	0
ROD		1.250	0	0	0	0	0	0
UMTRA		0.750	0	0	0	0	NR	0
ODI		0.750	0	0	0	0	NR	0
TRIS		0.250	0	0	NR	NR	NR	0
TSCA		0.250	0	0	NR	NR	NR	0
FTTS		0.250	0	0	NR	NR	NR	0
SSTS		0.250	0	0	NR	NR	NR	0
ICIS		0.250	0	0	NR	NR	NR	0
RADINFO		0.250	0	0	NR	NR	NR	0
CDL		0.250	0	0	NR	NR	NR	0
LUCIS		0.750	0	0	0	0	NR	0
PADS		0.250	0	0	NR	NR	NR	0
MLTS		0.250	0	0	NR	NR	NR	0
MINES		0.500	0	0	0	NR	NR	0
FINDS		0.250	0	2	NR	NR	NR	2
RAATS		0.250	0	0	NR	NR	NR	0
STATE AND LOCAL RECORDS								
State Haz. Waste		1.250	0	0	0	0	1	1
DEL SHWS		1.250	0	0	0	0	0	0
State Landfill		0.750	0	0	0	0	NR	0
HIST LF		0.750	0	1	0	0	NR	1
LUST		0.750	0	0	0	4	NR	4
UST		0.500	0	0	1	NR	NR	1
AST		0.500	0	0	1	NR	NR	1
PEAS		0.250	0	0	NR	NR	NR	0
AUL		0.750	0	0	0	0	NR	0
DRYCLEANERS		0.500	0	0	0	NR	NR	0
BROWNFIELDS		0.750	0	0	0	1	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
NPDES		0.250	0	0	NR	NR	NR	0
AIRS		0.250	0	0	NR	NR	NR	0
BEA		0.750	0	2	0	1	NR	3
TRIBAL RECORDS								
INDIAN RESERV		1.250	0	0	0	0	0	0
INDIAN LUST		0.750	0	0	0	0	NR	0
INDIAN UST		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.250	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
SSE
1/8-1/4
1156 ft.

Relative:
Lower

Actual:
714 ft.

VAN LANDFILL
50700 ECORSE RD
BELLEVILLE, MI 48111

Site 1 of 2 in cluster A

HIST LF **S100070337**
N/A

Historical LF:

Facility ID:	82000056
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:	82
Facility Number:	000056
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:	VAN BUREN DEVELOPMENT
Owner Contact:	Not reported
Attention:	Not reported
Owner Address:	50700 ECORSE
Owner City,St,Zip:	BELLEVILLE, MI 48111
Owner Telephone:	Not reported
Owner Fax:	Not reported
Owner Email:	Not reported
District:	S.E. Michigan
Section:	06
Permit Applicant:	Not reported
Permit Applicant Contact:	MICHAEL FERRANTINO
Permit Applicant Address:	147 KINGSBURY
Permit Applicant City,St,Zip:	DEARBORN, MI 48128
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
Township Section:	Not reported
District:	Not reported
Business Type:	Not reported
County Description:	Not reported

VAN LANDFILL (Continued) **S100070337**

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

A2 **VAN LANDFILL** **FINDS** **1006839252**
SSE **50700 ECORSE RD** **110014002649**
1/8-1/4 **BELLEVILLE, MI 48111**
1156 ft.

Site 2 of 2 in cluster A

Relative: Lower

Actual: 714 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

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).

B3 **ADVANCE CUSTOM PAINTS, LTD.** **BEA** **S104912398**
West **175 RAWSONVILLE ROAD** **N/A**
1/8-1/4 **BELLEVILLE, MI**
1253 ft.

Site 1 of 3 in cluster B

Relative: Lower

Actual: 712 ft.

BEA:

Secondary Address:	Not reported
BEA Number:	1027
District:	Southeast MI
Date Received:	1999-11-23 00:00:00
Submitter Name:	ADVANCE CUSTOM PAINTS, LTD.

ADVANCE CUSTOM PAINTS, LTD. (Continued) **S104912398**

Petition Determination: No Request
Petition Disclosure: 0
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: temppm
Division Assigned: Environmental Response Division

B4
West
1/8-1/4
1253 ft.

Relative:
Lower

Actual:
712 ft.

ADVANCED CUSTOM PAINT LTD **RCRA-SQG** **1001488155**
175 RAWSONVILLE ROAD **FINDS** **MIR000039529**
BELLEVILLE, MI 48111

Site 2 of 3 in cluster B

RCRAInfo:
Owner: GARY A STIEHL
EPA ID: MIR000039529

Contact: GARY A STIEHL
(734) 483-6690

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at 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.

B5
West
1/8-1/4
1253 ft.

Relative:
Lower

Actual:
712 ft.

G. P. STIEHL ENTERPRISES, LLC **BEA** **S104912397**
175 RAWSONVILLE ROAD **N/A**
BELLEVILLE, MI

Site 3 of 3 in cluster B

BEA:
Secondary Address: Not reported
BEA Number: 1026
District: Southeast MI
Date Received: 1999-06-01 00:00:00
Submitter Name: G. P. STIEHL ENTERPRISES, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: temppm
Division Assigned: Environmental Response Division

6
WSW
1/4-1/2
1369 ft.

YPSILANTI PUMPING STATION — **UST** — **U003325496**
361 RAWSONVILLE RD — **N/A**
BELLEVILLE, MI 48226

Relative:
Lower

Actual:
711 ft.

UST:

Owner Name:	Detroit Water & Sewerage Dept
Owner Address:	735 Randolph
Owner City,St,Zip:	Detroit, MI 48226
Owner Country:	USA
Owner Contact:	Gopal Roy
Owner Phone:	(313) 965-9770
Facility ID:	00034953
Contact:	GILBERT LEE
Contact Phone:	(313) 267-7583
Tank ID:	1
Tank Status:	**Currently In Use**
Capacity:	10000
Install Date:	May 10 1990
Product:	Diesel
Remove Date:	Not reported
Tank Release Detection:	Automatic Tank Gauging,Inter Monitoring Double Walled Tank
Pipe Realease Detection:	Not reported
Piping Material:	Cathodically Protected,Double Walled,Secondary Containment
Piping Type:	Suction: No Valve At Tank
Constr Material:	Cathodically Protected Steel,Double Walled,Epoxy Coated Steel
Impressed Device:	No

C7
WNW
1/4-1/2
1520 ft.

WILLOW STATION — **AST** — **A100171809**
120 RAWSONVILLE RD — **N/A**
BELLEVILLE, MI 48111

Site 1 of 3 in cluster C

Relative:
Higher

Actual:
720 ft.

AST:

Type:	ACTIVE
Owner Name:	Michigan Consolidated Gas
Owner Address:	3900 Greenfield Rd
Owner City,St,Zip:	Melvindale, MI 48122-1149
Owner County:	USA
Owner Contact:	Not reported
Owner Telephone:	(313) 389-7380
Facility ID:	91081022
District:	Jackson District Office
Contact:	Jon Massie
Facility Phone:	(313) 389-7380
Tank ID:	1
Tank Status:	Currently In Use
Capacity:	30000
Install Date:	Not reported
Content:	Flammable Liquid
Close Date:	Not reported

Type:	ACTIVE
Owner Name:	Michigan Consolidated Gas
Owner Address:	3900 Greenfield Rd
Owner City,St,Zip:	Melvindale, MI 48122-1149
Owner County:	USA
Owner Contact:	Not reported
Owner Telephone:	(313) 389-7380

WILLOW STATION (Continued) **A100171809**

Facility ID: 91081022
District: Jackson District Office
Contact: Jon Massie
Facility Phone: (313) 389-7380
Tank ID: 2
Tank Status: Currently In Use
Capacity: 30000
Install Date: Not reported
Content: Flammable Liquid
Close Date: Not reported

Type: ACTIVE
Owner Name: Michigan Consolidated Gas
Owner Address: 3900 Greenfield Rd
Owner City,St,Zip: Melvindale, MI 48122-1149
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (313) 389-7380
Facility ID: 91081022
District: Jackson District Office
Contact: Jon Massie
Facility Phone: (313) 389-7380
Tank ID: 3
Tank Status: Removed from Premises
Capacity: 30000
Install Date: Not reported
Content: Flammable Liquid
Close Date: Apr 10 1996

Type: ACTIVE
Owner Name: Michigan Consolidated Gas
Owner Address: 3900 Greenfield Rd
Owner City,St,Zip: Melvindale, MI 48122-1149
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (313) 389-7380
Facility ID: 91081022
District: Jackson District Office
Contact: Jon Massie
Facility Phone: (313) 389-7380
Tank ID: 4
Tank Status: Removed from Premises
Capacity: 30000
Install Date: Not reported
Content: Flammable Liquid
Close Date: Apr 10 1996

Type: ACTIVE
Owner Name: Michigan Consolidated Gas
Owner Address: 3900 Greenfield Rd
Owner City,St,Zip: Melvindale, MI 48122-1149
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (313) 389-7380
Facility ID: 91081022
District: Jackson District Office
Contact: Jon Massie

WILLOW STATION (Continued) **A100171809**

Facility Phone: (313) 389-7380
Tank ID: 5
Tank Status: Removed from Premises
Capacity: 30000
Install Date: Not reported
Content: Flammable Liquid
Close Date: Apr 10 1996

Type: ACTIVE
Owner Name: Michigan Consolidated Gas
Owner Address: 3900 Greenfield Rd
Owner City,St,Zip: Melvindale, MI 48122-1149
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (313) 389-7380
Facility ID: 91081022
District: Jackson District Office
Contact: Jon Massie
Facility Phone: (313) 389-7380
Tank ID: 6
Tank Status: Removed from Premises
Capacity: 30000
Install Date: Not reported
Content: Flammable Liquid
Close Date: Apr 10 1996

Type: ACTIVE
Owner Name: Michigan Consolidated Gas
Owner Address: 3900 Greenfield Rd
Owner City,St,Zip: Melvindale, MI 48122-1149
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (313) 389-7380
Facility ID: 91081022
District: Jackson District Office
Contact: Jon Massie
Facility Phone: (313) 389-7380
Tank ID: 7
Tank Status: Currently In Use
Capacity: 6000
Install Date: Jun 12 1995
Content: FL-ODORANT
Close Date: Not reported

C8 **DTE ENERGY/MICHCON** **RCRA-SQG** **1000237856**
WNW **120 RAWSONVILLE ROAD** **FINDS** **MID980701585**
1/4-1/2 **YPSILANTI, MI 48197**
1521 ft.

Site 2 of 3 in cluster C

Relative:
Higher

Actual:
720 ft.

DTE ENERGY/MICHCON (Continued) **1000237856**

RCRAInfo:
Owner: MICHIGAN CONSOLIDATED GAS CO
EPA ID: MID980701585

Contact: BETTY WHITE-CLARK
(313) 235-7382

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at 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.

C9 **EQIS TRANSFER & PROCESSING** **RCRA-SQG 1001228721**
NW **1010 OLD RAWSONVILLE RD** **FINDS MIR000033969**
1/4-1/2 **YPSILANTI, MI 48198** **NY MANIFEST**
1523 ft.

Site 3 of 3 in cluster C

Relative: Higher

Actual: 718 ft.

RCRAInfo:
Owner: EQ INDUSTRIAL SERVICES INC
EPA ID: MIR000033969

Contact: DEBORAH DUDZINSKI
(734) 677-8822

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: TRANSPORTER-GENERAL REQUIREMENTS
Date Violation Determined: 09/24/2004
Actual Date Achieved Compliance: Not reported

Regulation Violated: Not reported
Area of Violation: COMPLIANCE SCHEDULE VIOLATION
Date Violation Determined: 05/26/2004
Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/26/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TRANSPORTER-GENERAL REQUIREMENTS
Date Violation Determined: 02/20/2003
Actual Date Achieved Compliance: 07/07/2003

Enforcement Action: WRITTEN INFORMAL

EQIS TRANSFER & PROCESSING (Continued) **1001228721**

Enforcement Action Date: 03/20/2003
Penalty Type: Final Monetary Penalty

Enforcement Action: NOV/INITIAL STATE ADMIN CONSENT COMPLIANCE ORDER
Enforcement Action Date: 06/06/2003
Penalty Type: Final Monetary Penalty

Enforcement Action: STATE COMPLIANCE ORDER 3008(A)
Enforcement Action Date: 07/07/2003
Penalty Type: Final Monetary Penalty

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	7/7/2003	70730	STATE

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
A Significant Non-Complier (SNC)	COMPLIANCE SCHEDULE VIOLATION	
	TRANSPORTER-GENERAL REQUIREMENTS	
Compliance Schedule Evaluation	TRANSPORTER-GENERAL REQUIREMENTS	
Compliance Schedule Evaluation	COMPLIANCE SCHEDULE VIOLATION	
Not a Significant Non-Complier (SNC)	TRANSPORTER-GENERAL REQUIREMENTS	20030707
A Significant Non-Complier (SNC)	TRANSPORTER-GENERAL REQUIREMENTS	20030707
Compliance Evaluation Inspection	TRANSPORTER-GENERAL REQUIREMENTS	20030707

FINDS:
Other Pertinent Environmental Activity Identified at 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.

NY MANIFEST:
No Manifest Records Available

10
NW
1/4-1/2
2599 ft.

Relative:
Lower

Actual:
715 ft.

DTE ENERGY/MICHCON **RCRA-SQG** **1000865555**
3150 E MICHIGAN AVE **FINDS** **MI0000074898**
YPSILANTI, MI 48197

DTE ENERGY/MICHCON (Continued) **1000865555**

RCRAInfo:
Owner: MICHIGAN CONSOLIDATED GAS CO
EPA ID: MI0000074898

Contact: BETTY WHITE-CLARK
(313) 235-7382

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at 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.

11
ESE
1/2-1
2758 ft.

Relative:
Lower

Actual:
709 ft.

GM WAREHOUSING & DISTRIBUTION **LUST** **S105213653**
50000 ECORSE RD **N/A**
BELLEVILLE, MI 48111

LUST:
Facility Status: **Open**
Facility ID: 00019444
Owner Name: GM Warehousing & Distribution
Owner Address: 5000 Ecorse Rd
Owner City,St,Zip: Belleville, MI 48111
Country: USA
Owner Contact: D Grammer
Owner Phone: (810) 635-6349
District: SE Michigan District Office
Leak Number: C-1692-91
Release Date: Aug 19 1991
Site Name: GM Service Parts Operation
Substance Released: Unknown
Closed Date: Not reported

12
WNW
1/2-1
2797 ft.

Relative:
Higher

Actual:
718 ft.

MICHCON **LUST** **U002303305**
3160 E MICHIGAN **UST** **N/A**
YPSILANTI, MI 48210

LUST:
Facility Status: **Closed**
Facility ID: 00013216
Owner Name: MichCon
Owner Address: 7940 Livernois H-136 WSC
Owner City,St,Zip: Detroit, MI 48210
Country: USA
Owner Contact: Jim Rachwal

MICHCON (Continued) **U002303305**

Owner Phone: (313) 897-0716
District: Jackson District Office
Leak Number: C-1466-94
Release Date: Nov 21 1994
Site Name: Michcon Gas Company-michigan Ave
Substance Released: Used Oil
Closed Date: Jul 11 1996

UST:
Owner Name: MichCon
Owner Address: 7940 Livernois H-136 WSC
Owner City,St,Zip: Detroit, MI 48210
Owner Country: USA
Owner Contact: Jim Rachwal
Owner Phone: (313) 897-0716
Facility ID: 00013216
Contact: James Rachwal
Contact Phone: (313) 897-0716
Tank ID: 2
Tank Status: **Currently In Use**
Capacity: 12000
Install Date: May 8 1973
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Interstitial Monitoring Double Walled Piping,Interstitial Monitoring/Second Containment
Piping Material: ENVIRON,Secondary Containment
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Owner Name: MichCon
Owner Address: 7940 Livernois H-136 WSC
Owner City,St,Zip: Detroit, MI 48210
Owner Country: USA
Owner Contact: Jim Rachwal
Owner Phone: (313) 897-0716
Facility ID: 00013216
Contact: James Rachwal
Contact Phone: (313) 897-0716
Tank ID: 3
Tank Status: **Currently In Use**
Capacity: 15000
Install Date: May 8 1977
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Interstitial Monitoring Double Walled Piping,Interstitial Monitoring/Second Containment
Piping Material: ENVIRON,Secondary Containment
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel,Lined Interier
Impressed Device: No

Owner Name: MichCon
Owner Address: 7940 Livernois H-136 WSC
Owner City,St,Zip: Detroit, MI 48210

MICHCON (Continued) **U002303305**

Owner Country:	USA
Owner Contact:	Jim Rachwal
Owner Phone:	(313) 897-0716
Facility ID:	00013216
Contact:	James Rachwal
Contact Phone:	(313) 897-0716
Tank ID:	1
Tank Status:	**Removed from Ground**
Capacity:	500
Install Date:	May 8 1973
Product:	Used Oil
Remove Date:	Nov 21 1994
Tank Release Detection:	Not reported
Pipe Realease Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Gravity Fed?
Constr Material:	Asphalt Coated or Bare Steel
Impressed Device:	No

D13 **THOMAS ANDREW LEACH** **LUST U000266331**
WNW **3105 E MICHIGAN AVE** **UST N/A**
1/2-1 **YPSILANTI, MI 48198**
3254 ft.

Site 1 of 5 in cluster D

Relative: Higher

Actual: 720 ft.

LUST:

Facility Status:	**Open**
Facility ID:	00002575
Owner Name:	Thomas Andrew Leach
Owner Address:	3105 E Michigan Ave
Owner City,St,Zip:	Ypsilanti, MI 48198-9445
Country:	USA
Owner Contact:	Not reported
Owner Phone:	( ) -
District:	Jackson District Office
Leak Number:	C-1182-97
Release Date:	Dec 1 1997
Site Name:	Thomas Andrew Leach Aka Frankie And Gerry's
Substance Released:	Unknown
Closed Date:	Not reported

UST:

Owner Name:	Thomas Andrew Leach
Owner Address:	3105 E Michigan Ave
Owner City,St,Zip:	Ypsilanti, MI 48198-9445
Owner Country:	USA
Owner Contact:	Not reported
Owner Phone:	( ) -
Facility ID:	00002575
Contact:	Not reported
Contact Phone:	( ) -
Tank ID:	2
Tank Status:	**Removed from Ground**
Capacity:	4000
Install Date:	May 6 1981
Product:	Gasoline
Remove Date:	Oct 21 1997
Tank Release Detection:	Not reported

THOMAS ANDREW LEACH (Continued) **U000266331**

Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Cathodically Protected Steel
Impressed Device: No

Owner Name: Thomas Andrew Leach
Owner Address: 3105 E Michigan Ave
Owner City,St,Zip: Ypsilanti, MI 48198-9445
Owner Country: USA
Owner Contact: Not reported
Owner Phone: ( ) -
Facility ID: 00002575
Contact: Not reported
Contact Phone: ( ) -
Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 1000
Install Date: May 6 1976
Product: Kerosene
Remove Date: Oct 21 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Cathodically Protected Steel
Impressed Device: No

Owner Name: Thomas Andrew Leach
Owner Address: 3105 E Michigan Ave
Owner City,St,Zip: Ypsilanti, MI 48198-9445
Owner Country: USA
Owner Contact: Not reported
Owner Phone: ( ) -
Facility ID: 00002575
Contact: Not reported
Contact Phone: ( ) -
Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: May 6 1974
Product: Diesel
Remove Date: Oct 21 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Cathodically Protected Steel
Impressed Device: No

Owner Name: Thomas Andrew Leach
Owner Address: 3105 E Michigan Ave
Owner City,St,Zip: Ypsilanti, MI 48198-9445
Owner Country: USA
Owner Contact: Not reported
Owner Phone: ( ) -
Facility ID: 00002575

THOMAS ANDREW LEACH (Continued) **U000266331**

Contact:	Not reported
Contact Phone:	( ) -
Tank ID:	1
Tank Status:	**Removed from Ground**
Capacity:	5200
Install Date:	May 6 1984
Product:	Gasoline
Remove Date:	Oct 21 1997
Tank Release Detection:	Not reported
Pipe Realease Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Not reported
Constr Material:	Cathodically Protected Steel
Impressed Device:	No

D14
WNW
1/2-1
3254 ft.

Relative:
Higher

Actual:
720 ft.

THOMAS ANDREW LEACH **BROWNFIELDS** **S107135672**
3105 E. MICHIGAN AVE. **N/A**
YPSILANTI, MI

Site 2 of 5 in cluster D

BROWNFIELD:

Facility ID:	00002575
Status:	Completed (LP)
Properry Use:	Not reported
BEA:	Not reported
Summary:	Not reported
Market:	Not reported
Comments:	Potential inhalation hazard and well contamination.

D15
WNW
1/2-1
3254 ft.

Relative:
Higher

Actual:
720 ft.

BEA **S105768127**
N/A

3105 EAST MICHIGAN AVENUE
YPSILANTI TOWNSHIP, MI

Site 3 of 5 in cluster D

BEA:

Secondary Address:	Not reported
BEA Number:	110
District:	Jackson
Date Received:	1997-11-21 00:00:00
Submitter Name:	Holmegan, LLC
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	No Hazardous Substance(s)
Determination 20107A:	Pending
Reviewer:	temppm
Division Assigned:	Storage Tank Division

D16
WNW
1/2-1
3254 ft.

Relative:
Higher

Actual:
720 ft.

3105 E MICHIGAN AVE
3105 EAST MICHIGAN AVE.
YPSILANTI, MI

US BROWNFIELDS **1008376593**
N/A

Site 4 of 5 in cluster D

US BROWNFIELDS:

Recipient Name:	Washtenaw County
Project Name:	Washtenaw County, MI
EPA ID:	Not reported
Region Number:	5
Latitude:	Not reported
Longitude:	Not reported
Assessment Date:	12/31/2004
Clean up Date:	Not reported
Entity Type:	Not reported

D17
WNW
1/2-1
3380 ft.

Relative:
Higher

Actual:
720 ft.

AHMED BEYDOUN SERVICE INC
3025 E MICHIGAN AVE
YPSILANTI, MI 48198

LUST **U003426085**
UST **N/A**

Site 5 of 5 in cluster D

LUST:

Facility Status:	**Closed**
Facility ID:	00019196
Owner Name:	A & A Management
Owner Address:	26300 Telegraph
Owner City,St,Zip:	Southfield, MI 48034
Country:	USA
Owner Contact:	Not reported
Owner Phone:	Not reported
District:	Jackson District Office
Leak Number:	C-0441-85
Release Date:	Jan 1 1987
Site Name:	Ahmed Beydoun Service Inc
Substance Released:	Not reported
Closed Date:	Jun 19 1998

UST:

Owner Name:	A & A Management
Owner Address:	26300 Telegraph
Owner City,St,Zip:	Southfield, MI 48034
Owner Country:	USA
Owner Contact:	Not reported
Owner Phone:	Not reported
Facility ID:	00019196
Contact:	Ahmed A Beydoun
Contact Phone:	(734) 482-9256
Tank ID:	1
Tank Status:	**Removed from Ground**
Capacity:	6000
Install Date:	May 1 1970
Product:	STANNOUS CHL
Remove Date:	Jul 1 1996
Tank Release Detection:	Not reported
Pipe Realease Detection:	Not reported
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Constr Material:	Asphalt Coated or Bare Steel

AHMED BEYDOUN SERVICE INC (Continued) **U003426085**

Impressed Device: No

Owner Name: A & A Management
Owner Address: 26300 Telegraph
Owner City,St,Zip: Southfield, MI 48034
Owner Country: USA
Owner Contact: Not reported
Owner Phone: Not reported
Facility ID: 00019196
Contact: Ahmed A Beydoun
Contact Phone: (734) 482-9256
Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 12000
Install Date: May 1 1970
Product: Gasoline
Remove Date: Jul 1 1996
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Owner Name: A & A Management
Owner Address: 26300 Telegraph
Owner City,St,Zip: Southfield, MI 48034
Owner Country: USA
Owner Contact: Not reported
Owner Phone: Not reported
Facility ID: 00019196
Contact: Ahmed A Beydoun
Contact Phone: (734) 482-9256
Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 12000
Install Date: May 1 1970
Product: Gasoline
Remove Date: Jul 1 1996
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Owner Name: A & A Management
Owner Address: 26300 Telegraph
Owner City,St,Zip: Southfield, MI 48034
Owner Country: USA
Owner Contact: Not reported
Owner Phone: Not reported
Facility ID: 00019196
Contact: Ahmed A Beydoun
Contact Phone: (734) 482-9256
Tank ID: 4
Tank Status: **Removed from Ground**

AHMED BEYDOUN SERVICE INC (Continued) **U003426085**

Capacity: 12000
Install Date: May 1 1970
Product: Gasoline
Remove Date: Jul 1 1996
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Owner Name: A & A Management
Owner Address: 26300 Telegraph
Owner City,St,Zip: Southfield, MI 48034
Owner Country: USA
Owner Contact: Not reported
Owner Phone: Not reported
Facility ID: 00019196
Contact: Ahmed A Beydoun
Contact Phone: (734) 482-9256
Tank ID: 5
Tank Status: **Currently In Use**
Capacity: 6000
Install Date: Aug 1 1996
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping
Piping Material: Fiberglass reinforced plastic
Piping Type: Suction: Valve at Tank
Constr Material: Composite(Steel w/Fiberglass),Double Walled
Impressed Device: No

Owner Name: A & A Management
Owner Address: 26300 Telegraph
Owner City,St,Zip: Southfield, MI 48034
Owner Country: USA
Owner Contact: Not reported
Owner Phone: Not reported
Facility ID: 00019196
Contact: Ahmed A Beydoun
Contact Phone: (734) 482-9256
Tank ID: 6
Tank Status: **Currently In Use**
Capacity: 8000
Install Date: Aug 1 1996
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping
Piping Material: Double Walled,Fiberglass reinforced plastic,GEOFLEX
Piping Type: Suction: Valve at Tank
Constr Material: Composite(Steel w/Fiberglass),Double Walled
Impressed Device: No

Owner Name: A & A Management
Owner Address: 26300 Telegraph

AHMED BEYDOUN SERVICE INC (Continued) **U003426085**

Owner City,St,Zip:	Southfield, MI 48034
Owner Country:	USA
Owner Contact:	Not reported
Owner Phone:	Not reported
Facility ID:	00019196
Contact:	Ahmed A Beydoun
Contact Phone:	(734) 482-9256
Tank ID:	7
Tank Status:	**Currently In Use**
Capacity:	12000
Install Date:	Aug 1 1996
Product:	Gasoline
Remove Date:	Not reported
Tank Release Detection:	Automatic Tank Gauging,Inter Monitoring Double Walled Tank
Pipe Realease Detection:	Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping
Piping Material:	Double Walled,Fiberglass reinforced plastic,GEOFLEX
Piping Type:	Suction: Valve at Tank
Constr Material:	Composite(Steel w/Fiberglass),Double Walled
Impressed Device:	No

18
SW
1/2-1
4564 ft.

Relative:
Higher

Actual:
719 ft.

GENERAL MOTORS CORP POWERTRAIN DIVISION
ECOURSE ROAD
YPSILANTI, MI 48198

PADS **1000118369**
RCRA-LQG **48198GNRLMWI**
TRIS
RCRA-TSDF
CORRACTS
CERC-NFRAP
NY MANIFEST

RCRAInfo Corrective Action Summary:

Event:	CA Prioritization, Facility or area was assigned a low corrective action priority.
Event Date:	06/05/1992
Event:	RFA Completed
Event Date:	05/18/1992

RCRAInfo:

Owner:	GM POWERTRAIN
EPA ID:	MID980587893
Contact:	MATEUSZ NOWAK (734) 481-7228
Classification:	Large Quantity Generator, TSDF
TSDF Activities:	Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	4933.07	D002	75.00
D008	210000.00	D018	917.43
F003	2752.29	F005	917.43

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: MILWG
Date Violation Determined: 11/01/2001
Actual Date Achieved Compliance: 02/13/2002

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/01/2001
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: Michigan Used Oil Activities
Date Violation Determined: 11/01/2001
Actual Date Achieved Compliance: 02/13/2002

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/01/2001
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 11/01/2001
Actual Date Achieved Compliance: 02/13/2002

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/01/2001
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-CONTAINER
Date Violation Determined: 05/22/1997
Actual Date Achieved Compliance: 12/08/1999

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/22/1997
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined: 05/22/1997
Actual Date Achieved Compliance: 12/08/1999

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/22/1997
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/30/1989
Actual Date Achieved Compliance: 05/05/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/18/1989
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 03/30/1989
Actual Date Achieved Compliance: 05/05/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/18/1989
Penalty Type: Not reported

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Regulation Violated: Not reported
Area of Violation: TSD-LAND BAN REQUIREMENTS
Date Violation Determined: 03/30/1989
Actual Date Achieved Compliance: 05/05/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/18/1989
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 03/03/1989
Actual Date Achieved Compliance: 05/10/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/05/1989
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 06/07/1988
Actual Date Achieved Compliance: 05/10/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/14/1988
Penalty Type: Not reported

There are 10 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	MILWG	20020213
	Michigan Used Oil Activities	20020213
	GENERATOR-GENERAL REQUIREMENTS	20020213
Not a Significant Non-Complier (SNC)	GENERATOR-CONTAINER	19991208
	GENERATOR-MANIFEST REQUIREMENTS	19991208
A Significant Non-Complier (SNC)	GENERATOR-CONTAINER	19991208
	GENERATOR-MANIFEST REQUIREMENTS	19991208
Compliance Evaluation Inspection	GENERATOR-CONTAINER	19991208
	GENERATOR-MANIFEST REQUIREMENTS	19991208
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19890505
	GENERATOR-LAND BAN REQUIREMENTS	19890505
	TSD-LAND BAN REQUIREMENTS	19890505
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19890510
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19890510

CORRACTS:

EPA ID: MID980587893
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 05/18/1992
Action: CA050 - RFA Completed
NAICS Code(s): 33635
33635 - Motor Vehicle Transmission and Power Train Parts Manufacturing

EPA ID: MID980587893
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 06/05/1992

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 33635
33635 - Motor Vehicle Transmission and Power Train Parts Manufacturing

CERC-NFRAP:
Site ID: 0506942
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

Site Description: Not reported

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 01/29/1992
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 10/19/1992
Priority Level: Deferred to RCRA (Subtitle C)

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

NY MANIFEST:
Document ID: NYA2719152
Manifest Status: C
Trans1 State ID: MI/BB6695
Trans2 State ID: NYR60505
Generator Ship Date: 850620
Trans1 Recv Date: 850620
Trans2 Recv Date: 850621
TSD Site Recv Date: 850621
Part A Recv Date: 850711
Part B Recv Date: 850711
Generator EPA ID: MID980587893
Trans1 EPA ID: NYD043815703
Trans2 EPA ID: NYD043815703
TSDF ID: NYD043815703
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00006
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 85
Facility Type: Generator
EPA ID: MID980587893
Facility Name: GENERAL MOTORS CORPORATION
Facility Address: 2930 ECORSE ROAD
Facility City: YPSILANTI

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350
Document ID:	NYB4717242
Manifest Status:	K
Trans1 State ID:	11341PNY
Trans2 State ID:	Not reported
Generator Ship Date:	960610
Trans1 Recv Date:	960610
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960614
Part A Recv Date:	960628
Part B Recv Date:	960710
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	02200
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	011
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350
Document ID:	NYB9523557
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Generator Ship Date:	08/31/2001
Trans1 Recv Date:	08/31/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/04/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUH88269H
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	25560
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	01
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350

Document ID:	NYB9569178
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	10/30/2001
Trans1 Recv Date:	10/30/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/31/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUH8698OH
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	19160
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Year:	01
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350
Document ID:	NYA3521586
Manifest Status:	C
Trans1 State ID:	MI/A29015
Trans2 State ID:	Not reported
Generator Ship Date:	860314
Trans1 Recv Date:	860314
Trans2 Recv Date:	860314
TSD Site Recv Date:	860318
Part A Recv Date:	860320
Part B Recv Date:	860324
Generator EPA ID:	MID980587893
Trans1 EPA ID:	MID000820365
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Quantity:	00012
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	86
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Mailing Phone:	734-481-5350
Document ID:	NYB1174347
Manifest Status:	C
Trans1 State ID:	NY99757C
Trans2 State ID:	Not reported
Generator Ship Date:	931221
Trans1 Recv Date:	931221
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940103
Part A Recv Date:	940112
Part B Recv Date:	940113
Generator EPA ID:	MID980587893
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00015
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350
Document ID:	NYB9569151

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	11/12/2002
Trans1 Recv Date:	11/12/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/15/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUH8378OH
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	16280
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	02
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350

Document ID:	NYG3075786
Manifest Status:	Not reported
Trans1 State ID:	OHD068983409
Trans2 State ID:	Not reported
Generator Ship Date:	02/03/2003
Trans1 Recv Date:	02/03/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/04/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUL8994OH
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	20440
Units:	P - Pounds
Number of Containers:	001

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	03
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350

Document ID:	NYG3075795
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	06/09/2003
Trans1 Recv Date:	06/09/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/10/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	TML8564OH
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	23500
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	03
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350
Document ID:	NYG3075813
Manifest Status:	Not reported
Trans1 State ID:	OHD058983400
Trans2 State ID:	Not reported
Generator Ship Date:	09/12/2003
Trans1 Recv Date:	09/12/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/15/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	TML8564OH
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	22180
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	03
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350
Document ID:	NYG3075948
Manifest Status:	Not reported
Trans1 State ID:	OHD058983409
Trans2 State ID:	Not reported
Generator Ship Date:	11/12/2003
Trans1 Recv Date:	11/12/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/17/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Trans2 EPA ID:	Not reported
TSDF ID:	OHTML8502
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	19680
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	03
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350

Document ID:	NYG3075957
Manifest Status:	Not reported
Trans1 State ID:	OHD058983409
Trans2 State ID:	Not reported
Generator Ship Date:	03/28/2003
Trans1 Recv Date:	03/28/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/31/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUR4188OH
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	16560
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	03
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350
Document ID:	NYB7735716
Manifest Status:	C
Trans1 State ID:	11337PNY
Trans2 State ID:	Not reported
Generator Ship Date:	970204
Trans1 Recv Date:	970204
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970207
Part A Recv Date:	971126
Part B Recv Date:	970226
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD986969947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	02800
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	014
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350
Document ID:	NYG3075966
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	09/19/2002
Trans1 Recv Date:	09/19/2002

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/20/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUU6362OH
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	18080
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	02
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350

Document ID:	NYG3075975
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	06/24/2002
Trans1 Recv Date:	06/24/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/25/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUR8994OH
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	17000
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	02
Facility Type:	Generator

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350

Document ID:	NYG3075984
Manifest Status:	Not reported
Trans1 State ID:	ALD067138891
Trans2 State ID:	Not reported
Generator Ship Date:	04/18/2002
Trans1 Recv Date:	04/18/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/19/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	ITM1048AL
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Quantity:	06680
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	02
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Document ID:	NYG3075993
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	01/24/2002
Trans1 Recv Date:	01/24/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/25/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	OJ7422AY
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	02
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350

Document ID:	NYG3087522
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	02/01/2002
Trans1 Recv Date:	02/01/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/04/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUR8994OH
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	16580
Units:	P - Pounds

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	02
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350

Document ID:	NYB9561879
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	11/21/2003
Trans1 Recv Date:	11/21/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/24/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	ME0629746
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	02279
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	027
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	03
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI

GENERAL MOTORS CORP POWERTRAIN DIVISION (Continued) **1000118369**

Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350

Document ID:	NYB9561969
Manifest Status:	Not reported
Trans1 State ID:	MID056988892
Trans2 State ID:	Not reported
Generator Ship Date:	09/09/2003
Trans1 Recv Date:	09/09/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/10/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MID980587893
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	016040MI
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	22145
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	03
Facility Type:	Generator
EPA ID:	MID980587893
Facility Name:	GENERAL MOTORS CORPORATION
Facility Address:	2930 ECORSE ROAD
Facility City:	YPSILANTI
Facility Zip 4:	Not reported
Country:	Not reported
County:	Not reported
Mailing Name:	GENERAL MOTORS CORPORATION
Mailing Contact:	MATT NOVAK
Mailing Address:	2930 ECORSE ROAD
Mailing City:	YPSILANTI
Mailing State:	MI
Mailing Zip:	48197
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	734-481-5350

Click this hyperlink while viewing on your computer to access
14 additional NY_MANIFEST: record(s) in the EDR Site Report.

19
South
> 1
5611 ft.

WILLOW RUN AIRPORT
WILLOW RUN, MI

FUDS

1007211403
N/A

Relative:
Lower

Actual:
713 ft.

FUDS:

Federal Facility ID:	MI9799F2318
Facility Name:	WILLOW RUN AIRPORT
City:	WILLOW RUN
State:	MI
EPA Region:	5
County:	WAYNE
Congressional District:	11
US Army District:	Louisville District (LRL
Fiscal Year:	2005
Telephone:	502-315-6766
NPL Status:	Not Listed
Description:	The site consisted of 836.95 acres in total. In 1943, 794.1
RAB:	Not reported
History:	During World War II, the Plancor 151 facility manufactured B
Current Owner:	COUNTY; PRIVATE; STATE
CTC:	1385.62
Current Prog:	Not reported
Future Prog:	Not reported
Lattitude:	42.2350000
Longitude:	-83.5372222

FUDS Description Details:

The site consisted of 836.95 acres in total. In 1943, 794.12 fee acres were acquired . An additional 37.01 acres were acquired in 1951. The easements were all acquired in 1943. The Site was adjacent to Defense Plant Corporation (PLANCOR) Site No.
151-Ford Motor Company (1,577 acres) which produced B-24 Bombers during WWII. The PLANCOR-151 is located on the western side of the current Willow Run Airport. This portion was determined to be ineligible for DERP-FUDS due to it being a Defense Pl
ant Corporation Site. The original acreage utilized in conjunction with the larger PLANCOR-151 from 1943 to 1946 and was concurrently used as an Army Air Corps? facility until 1946. The 836.95 acres making up the Air Force Station P-23 were used t
o house Air Force personnel who oversaw work at the bomber plant and were involved in aircraft flight testing. Also, a radar/mapping station is believed to have operated on the site. During 1947, approximately 682 acres were sold to the University
of Michigan. The entire Air Force Station P-23 tract totaling approximately 134 acres was conveyed to Health, Education, and Welfare (HEW) which conveyed the property to the University in 1961. Finally, approximately 15 acres were sold to the Unive
rsity of Michigan in 1949 and the easement acres were transferred to the University (4.85 acres) in 1947 and to Kaiser Frazer (0.97 acres) in 1949. The majority of the property, except the 134 acres, was eventually sold by the University of Michiga
n to Wayne County, the current owner, in 1977. The entire property is presently being utilized by Wayne County as the Willow Run Airport and by the University of Michigan.

FUDS History Details:

During World War II, the Plancor 151 facility manufactured B-24 bomber aircraft

WILLOW RUN AIRPORT (Continued) **1007211403**

at the airport. Air Force personnel of the 30th Air Division worked at the plant and tested aircraft, and a radar/mapping station was on site. Air Force Plant 31: No fur
ther action. Willow Run Airport: Building demolition and debris removal, containerized hazardous, toxic, and radioactive waste, and hazardous, toxic, and radioactive waste projects are recommended. Defense Plant Corporation (Plancor) 151: Categorica
l exclusion.

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20 **CONRAIL WILLOW RUN CAR SHOP** **RCRA-SQG** **1000353198**
WSW **2575 ECORSE RD** **SHWS** **MID000718320**
> 1 **YPSILANTI, MI 48197** **FINDS**
6552 ft.

Relative: Higher

Actual: 735 ft.

RCRAInfo:
Owner: CONSOLIDATED RAIL CORP
EPA ID: MID000718320

Contact: ROBERT PETERS
(215) 209-1689

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

SHWS:
Facility ID: 81000407
Source: Switching & Terminal Service
SAM Score: 25 out of 48
SAM Score Date: 06/23/2004
Township: 03S
Range: 07E
Section: 01
Quarter: SE
Quarter/Quarter: null
Facility Status: Interim Response in progress
Pollutant(s): Diesel fuel

FINDS:
Other Pertinent Environmental Activity Identified at 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.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BELLEVILLE	S103594587	MONTIE PROPERTY BEMIS ROAD	14151 BEMIS ROAD	48111	SHWS
BELLEVILLE	S105144780	CARELTON WEST RD BARREL DUMP	23285 CARLETON W RD	48111	SHWS, DEL SHWS
BELLEVILLE	1007096499	WAYNE COUNTY ROADS	KARR RD BETWEEN WILLOW & ARKON	48111	RCRA-SQG
BELLEVILLE	1001220058	NORFOLK SOUTHERN CORP PARCEL 279A	MARTINSVILLE AND SAVAAGE RD NE	48111	RCRA-SQG, FINDS
BELLEVILLE	S106439438	5TH AVENUE CLEANERS	2083 RAWSONVILLE	48111	DRYCLEANERS
BELLEVILLE	S107697707	THOMPSON-MCCULLY CO	1785 RAWSONVILLE RD	48111	AIRS
BELLEVILLE	S107791219	CADILLAC ASPHALT-BELLEVILLE	1785 RAWSONVILLE ROAD	48111	NPDES
BELLEVILLE	U003102973	MOBIL	2120 RAWSONVILLE RD	48111	LUST, UST
BELLEVILLE	A100205028	WILLOW RUN AIRPORT FUEL FARM	801 WILLOW RUN AIRPORT	48198	AST
NULL	S105144838	PETERSON PROPERTY LANDFILL	ECORSE RD.	48111	SHWS
OTTAWA LAKE	U003102250	OTTAWA LAKE - QXK RMLK	8020 BECK CONSEAR RD	48111	UST
SUMPTER TWP	1007467603	FIRST ENERGY CORPORATION - SUMPTER PLANT	RAWSONVILLE ROAD AT NORFOLK & WESTERN RR	48111	FINDS
VAN BUREN TOWNSHIP	1001230577	VAN BUREN TOWNSHIP DRUMS	4500 BLOCK OF HURON RIVER DRIVE	48111	CERCLIS, FINDS
VAN BUREN TOWNSHIP	1003872652	VAN BUREN DEVELOPMENT COMPANY LANDFILL	5070 ECORSE ROAD	48111	CERC-NFRAP
VAN BUREN TOWNSHIP	S107031707	8.69 ACRE PARCEL	W OF BELLEVILLE		BEA
YPSALANTI	1006882562	CANTON ANALYTICAL LABS	23 WATER STREET AND 20 EAST MICHIGAN AVENUE	48198	US BROWNFIELDS
YPSILANTI	1007442468	PLASBER INC. - RIM #26	101 AND 103 SOUTH RIVER STREET	48198	US BROWNFIELDS
YPSILANTI	A100205016	GMPT WILLIOW RUN	ECORSE & WIARD RD	48198	AST
YPSILANTI	A100266924	DETROIT EDISON - SUPERIOR STATION	6000 FIRST ST	48198	AST
YPSILANTI	S105144766	DETROIT EDISON SUPERIOR SUBSTN	6000 FIRST STREET	48198	SHWS
YPSILANTI	1000865457	AMERICAN INTERNATIONAL AIRWAYS INC	841 WILLOW RUN AIRPORT	48198	RCRA-SQG, FINDS
YPSILANTI	1001026037	AMERICAN INTERNATIONAL AIRWAYS INC	843 WILLOW RUN AIRPORT SITE A	48198	RCRA-SQG, FINDS
YPSILANTI	1001088799	ZANTOP INTERNATIONAL AIRLINES	840 WILLOW RUN AIRPORT	48198	RCRA-SQG
YPSILANTI	1007100979	ROUSH INDUSTRIES INC	832 WILLOW RUN AIRPORT	48198	RCRA-SQG
YPSILANTI	1007101568	EXPRESS NET AIRLINES	847 WILLOW RUN AIRPORT	48198	RCRA-SQG
YPSILANTI	S103411770		WILLOW RUN AIRPORT	48198	SHWS, PEAS
YPSILANTI	U000266522	WILLOW RUN WAYNE COUNTY	801 WILLOW RUN AIRPORT	48198	LUST, UST
YPSILANTI	U002303337	ZANTOP INTERNATIONAL AIRLINES	840 WILLOW RUN AIRPORT HNGR #2	48198	LUST, UST
YPSILANTI	U002303348	GMPTG	WILLOW RUN M/C 130	48198	LUST, UST
YPSILANTI	U003425996	AMERICAN INT'L AIRWAYS INC	839 WILLOW RUN AIRPORT	48198	LUST, UST
YPSILANTI CITY	S106425775		200 - 214 E MICHIGAN	48198	BEA
YPSILANTI CITY	S106425779	WATER ST REDEVELOPMENT	32 - 38 E MICHIGAN	48198	BEA
YPSILANTI CITY	S105094994	PARCEL III	N OF 39 E MICHIGAN AVE	48198	BEA

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D008	LEAD
D018	BENZENE
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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.

FEDERAL RECORDS

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: 09/27/2006
Date Data Arrived at EDR: 11/01/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 11/01/2006
Next Scheduled EDR Contact: 01/29/2007
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 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 09/27/2006
Date Data Arrived at EDR: 11/01/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 11/01/2006
Next Scheduled EDR Contact: 01/29/2007
Data Release Frequency: Quarterly

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: 09/27/2006
Date Data Arrived at EDR: 11/01/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 11/01/2006
Next Scheduled EDR Contact: 01/29/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL RECOVERY: 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
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: No Update Planned

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: 08/09/2006
Date Data Arrived at EDR: 09/21/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 62

Source: EPA
Telephone: 703-603-8960
Last EDR Contact: 12/19/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Quarterly

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: 10/10/2006
Date Data Arrived at EDR: 10/25/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 28

Source: EPA
Telephone: 703-603-8960
Last EDR Contact: 12/18/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/27/2006
Date Data Arrived at EDR: 10/11/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 63

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/04/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

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. 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 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 06/13/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 56

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/10/2007
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

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: 12/31/2005
Date Data Arrived at EDR: 01/12/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 40

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 10/24/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 10/18/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 35

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/17/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/18/2006
Date Data Arrived at EDR: 12/14/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/18/2006
Date Data Arrived at EDR: 12/14/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/10/2006
Next Scheduled EDR Contact: 02/05/2007
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: 12/31/2005
Date Data Arrived at EDR: 09/20/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 63

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Varies

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: 10/17/2006
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Semi-Annually

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: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 01/22/2007
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: 10/07/2006
Date Data Arrived at EDR: 10/13/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 61

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
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: 11/04/2005
Date Data Arrived at EDR: 11/28/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/18/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 12/31/2004
Date Data Arrived at EDR: 06/22/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 62

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 12/19/2006
Next Scheduled EDR Contact: 03/19/2007
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: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
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: 10/19/2006
Date Data Arrived at EDR: 10/27/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 26

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 12/18/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 10/27/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 26

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 12/18/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Quarterly

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: 12/31/2004
Date Data Arrived at EDR: 05/11/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
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: 02/13/2006
Date Data Arrived at EDR: 04/21/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Quarterly

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: 11/03/2006
Date Data Arrived at EDR: 11/03/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/24/2006
Next Scheduled EDR Contact: 01/29/2007
Data Release Frequency: Quarterly

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: 12/01/2006
Date Data Arrived at EDR: 01/08/2007
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 3

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 03/26/2007
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 12/11/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Varies

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: 10/17/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 43

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 11/29/2006
Next Scheduled EDR Contact: 02/05/2007
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: 10/19/2006
Date Data Arrived at EDR: 10/31/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/09/2006
Date Data Arrived at EDR: 09/27/2006
Date Made Active in Reports: 11/27/2006
Number of Days to Update: 61

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/28/2006
Next Scheduled EDR Contact: 03/26/2007
Data Release Frequency: Semi-Annually

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: 10/11/2006
Date Data Arrived at EDR: 10/18/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 56

Source: EPA
Telephone: N/A
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 12/04/2006
Next Scheduled EDR Contact: 03/05/2007
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: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 01/19/2007
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

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: 11/20/2006
Date Data Arrived at EDR: 11/22/2006
Date Made Active in Reports: 01/08/2007
Number of Days to Update: 47

Source: Department of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 11/22/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Semi-Annually

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: 11/28/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/08/2007
Number of Days to Update: 40

Source: Department of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 11/20/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

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: 11/01/2006
Date Data Arrived at EDR: 11/22/2006
Date Made Active in Reports: 01/08/2007
Number of Days to Update: 47

Source: Department of Environmental Quality
Telephone: 517-335-4035
Last EDR Contact: 11/06/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Semi-Annually

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Department of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 12/13/2006
Date Data Arrived at EDR: 12/13/2006
Date Made Active in Reports: 01/17/2007
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 517-373-9837
Last EDR Contact: 12/13/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/13/2006
Date Data Arrived at EDR: 12/13/2006
Date Made Active in Reports: 01/17/2007
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 12/13/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 12/13/2006
Date Data Arrived at EDR: 12/15/2006
Date Made Active in Reports: 01/17/2007
Number of Days to Update: 33

Source: Department of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 12/11/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: No Update Planned

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: 10/25/2006
Date Data Arrived at EDR: 10/27/2006
Date Made Active in Reports: 12/12/2006
Number of Days to Update: 46

Source: Department of Environmental Quality
Telephone: 517-373-8427
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Quarterly

AUL: Engineering and Institutional Controls

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

Date of Government Version: 06/30/2006
Date Data Arrived at EDR: 06/30/2006
Date Made Active in Reports: 08/09/2006
Number of Days to Update: 40

Source: Department of Environmental Quality
Telephone: 517-373-4828
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 03/26/2007
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 11/16/2006
Date Data Arrived at EDR: 12/15/2006
Date Made Active in Reports: 01/17/2007
Number of Days to Update: 33

Source: Department of Environmental Quality
Telephone: 517-335-4586
Last EDR Contact: 11/13/2006
Next Scheduled EDR Contact: 02/12/2007
Data Release Frequency: Varies

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: 11/01/2006
Date Data Arrived at EDR: 11/22/2006
Date Made Active in Reports: 01/08/2007
Number of Days to Update: 47

Source: Department of Environmental Quality
Telephone: 517-373-4805
Last EDR Contact: 11/20/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 10/12/2006
Date Data Arrived at EDR: 11/01/2006
Date Made Active in Reports: 12/12/2006
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 517-241-1300
Last EDR Contact: 11/01/2006
Next Scheduled EDR Contact: 01/29/2007
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data
Permit and emissions inventory data.

Date of Government Version: 11/08/2006
Date Data Arrived at EDR: 11/16/2006
Date Made Active in Reports: 12/12/2006
Number of Days to Update: 26

Source: Department of Environmental Quality
Telephone: 517-373-7074
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

Date of Government Version: 12/14/2006
Date Data Arrived at EDR: 12/15/2006
Date Made Active in Reports: 01/17/2007
Number of Days to Update: 33

Source: DEPT. OF ENVIRONMENTAL QUALITY
Telephone: 517-373-9541
Last EDR Contact: 12/11/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Semi-Annually

TRIBAL RECORDS

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: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 11/10/2006
Next Scheduled EDR Contact: 02/05/2007
Data Release Frequency: Semi-Annually

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: 09/07/2006
Date Data Arrived at EDR: 09/08/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 61

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

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

Date of Government Version: 08/24/2006
Date Data Arrived at EDR: 09/11/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 58

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005
Date Data Arrived at EDR: 01/21/2005
Date Made Active in Reports: 02/28/2005
Number of Days to Update: 38

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

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: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

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

Date of Government Version: 09/11/2006
Date Data Arrived at EDR: 09/11/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 58

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

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: 08/30/2006
Date Data Arrived at EDR: 09/06/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 08/24/2006
Date Data Arrived at EDR: 09/11/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 58

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 08/28/2006
Date Data Arrived at EDR: 08/29/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 71

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004
Date Data Arrived at EDR: 12/29/2004
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 37

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 08/30/2006
Date Data Arrived at EDR: 09/06/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 09/11/2006
Date Data Arrived at EDR: 09/11/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 58

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 09/07/2006
Date Data Arrived at EDR: 09/08/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 61

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDERAL RECORDS

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 11/10/2006
Next Scheduled EDR Contact: 02/05/2007
Data Release Frequency: N/A

WETLANDS: National Wetlands Inventory

For regulatory purposes under the Clean Water Act, the term wetlands means "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs and similar areas." This data is available for select counties across the country.

Date of Government Version: 01/01/2004
Date Data Arrived at EDR: 07/20/2004
Date Made Active in Reports: 03/17/2006
Number of Days to Update: 605

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 12/11/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 11/01/2006
Date Data Arrived at EDR: 11/13/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/04/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 10/26/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/05/2007
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/29/2006
Next Scheduled EDR Contact: 02/26/2007
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 12/11/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 04/11/2006
Date Data Arrived at EDR: 10/31/2006
Date Made Active in Reports: 12/18/2006
Number of Days to Update: 48

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 12/18/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes
Source: Bureau of REgulatory Services
Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 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

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PARCEL A - 67.88 ACRES
NEC ECORSE & MICHIGAN AVENUE
VAN BUREN TOWNSHIP, MI 48111

TARGET PROPERTY COORDINATES

Latitude (North):	42.25030 - 42° 15' 1.1''
Longitude (West):	83.5395 - 83° 32' 22.2''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	290498.4
UTM Y (Meters):	4680476.0
Elevation:	716 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42083-C5 DENTON, MI
Most Recent Revision:	1980
South Map:	42083-B5 YPSILANTI EAST, MI
Most Recent Revision:	1980

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).

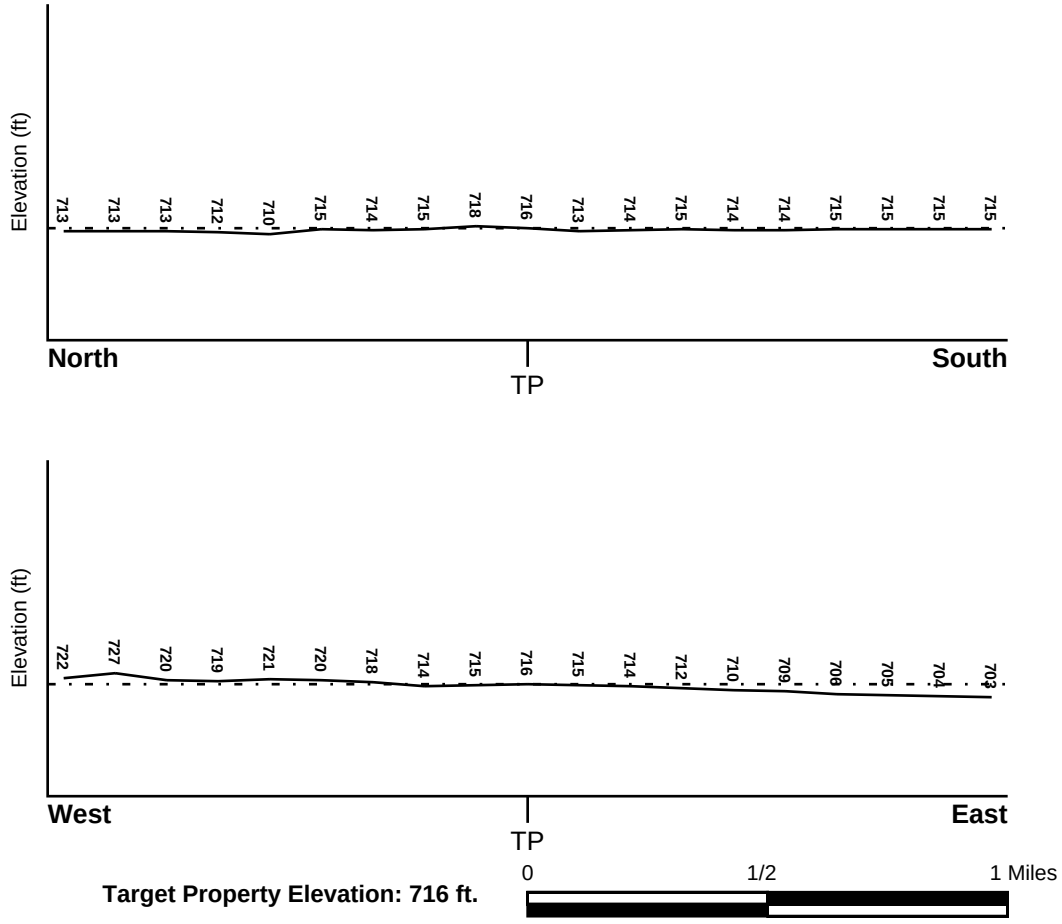
TOPOGRAPHIC INFORMATION

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 North

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

Flood Plain Panel at Target Property: 00000000000

Additional Panels in search area: 2602190010B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
DENTON	Not Available

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
B5	1/2 - 1 Mile WNW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Devonian
Series:	Upper Devonian
Code:	D3 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	WASEPI
Soil Surface Texture:	sandy loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	13 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.30 Min: 5.60
2	13 inches	17 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.60
3	17 inches	30 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.80 Min: 5.60
4	30 inches	60 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 20.00	Max: 7.80 Min: 7.40

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loamy sand
loam

Surficial Soil Types: loamy sand
loam

Shallow Soil Types: sandy loam
silty clay loam
sand

Deeper Soil Types: gravelly - sand
clay loam
silty clay loam
very fine sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

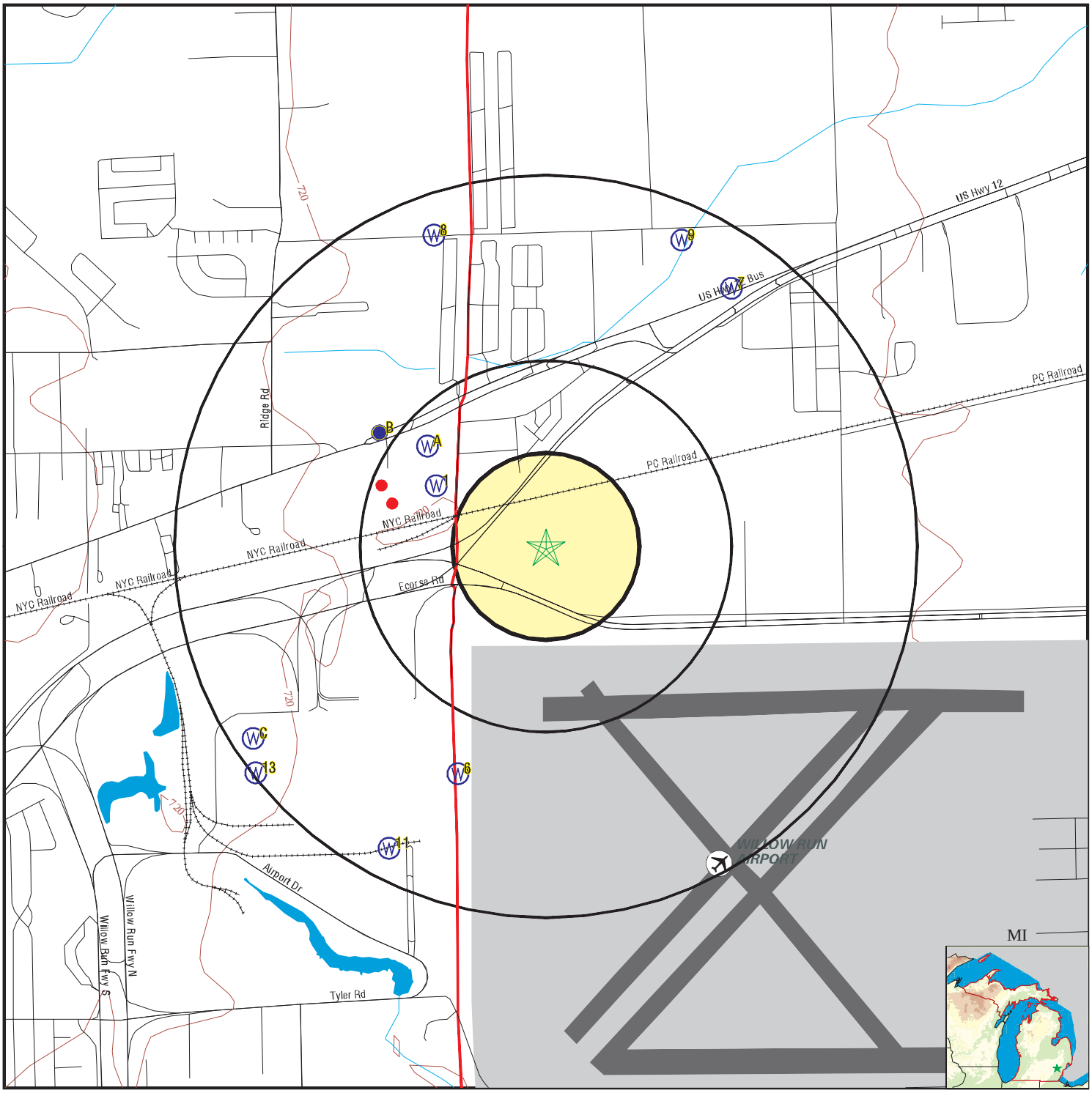
MAP ID	WELL ID	LOCATION FROM TP
1	MI20317930	1/4 - 1/2 Mile WNW
A2	MI20317931	1/4 - 1/2 Mile NW
A3	MI20317932	1/4 - 1/2 Mile NW
B4	MI20322606	1/2 - 1 Mile NW
6	MI20324462	1/2 - 1 Mile SSW
7	MI20324410	1/2 - 1 Mile NE
8	MI20322076	1/2 - 1 Mile NNW
9	MI20324189	1/2 - 1 Mile NNE
C10	MI20317958	1/2 - 1 Mile WSW
11	MI20317960	1/2 - 1 Mile SSW
C12	MI20317957	1/2 - 1 Mile SW
13	MI20317959	1/2 - 1 Mile SW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

DISTANCE FROM TP (Miles)	DISTANCE FROM TP (Miles)
1/4 - 1/2 Mile WNW	1/4 - 1/2 Mile WNW

PHYSICAL SETTING SOURCE MAP - 1839753.1s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Parcel A - 67.88 Acres	CLIENT:	Encore Environmental Consortiu
ADDRESS:	NEC Ecorse & Michigan Avenue Van Buren Township MI 48111	CONTACT:	Lauren Alkidas
		INQUIRY #:	1839753.1s
LAT/LONG:	42.2503 / 83.5395	DATE:	January 19, 2007 6:21 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database: **MI WELLS** | EDR ID Number: **MI20317930**

1
WNW
1/4 - 1/2 Mile
Higher

Wellid:	81000007365	Import id:	81737701005
County:	Washtenaw	Township:	Ypsilanti
Town range:	03S 07E	Section:	1
Owner name:	MICHIGAN CONSOLIDATED GAS	Well addr:	Not Reported
Well depth:	20		
Well type:	*U		
Wssn:	0		
Well num:	Not Reported	Driller id:	1315
Const date:	1981-07-22 00:00:00.000	Case type:	*U
Case dia:	24		
Case depth:	0		
Screen frm:	14		
Screen to:	20		
Swl:	999.99		
Test depth:	0		
Test hours:	24		
Test rate:	0	Test methd:	*U
Grout:	1	Pmp cpcity:	0
Latitude:	42.2526689085		
Longitude:	-83.5452478118		
Methd coll:	I1		
Elevation:	723		
Elev methd:	T1	Depth flag:	2
Elev flag:	Not Reported	Swl flag:	2
Elev dem:	718	Elev dif:	5
Elev miv:	723	Aq code:	D
Aq flag:	Not Reported	Pct aq:	0
Pct aq d:	0	Pct aq r:	0
Pct maq:	25	Pct maq d:	25
Pct maq r:	0	Pct cm:	45
Pct cm d:	45	Pct cm r:	0
Pct pcm:	30	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:	-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:	Clay
A sc lmod1:	Not Reported	A sc lmaq1:	CM
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:	25	Pct cm 1:	45
Pct pcm 1:	30	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		
Hcond2:	0		
Vcond2:	0		
T2:	0		
D50plek:	0		

A2
NW
1/4 - 1/2 Mile
Higher

MI WELLS **MI20317931**

Wellid:	81000007366	Import id:	81737701006
County:	Washtenaw	Township:	Ypsilanti
Town range:	03S 07E	Section:	1
Owner name:	MICHIGAN CONSOLIDATED GAS	Well addr:	Not Reported
Well depth:	18		
Well type:	INDUS		
Wssn:	0		
Well num:	Not Reported	Driller id:	1315
Const date:	1980-06-01 00:00:00.000	Case type:	*U
Case dia:	26		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	17		
Screen frm:	12		
Screen to:	20		
Swl:	4		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	*U
Grout:	1	Pmp cpcity:	0
Latitude:	42.2539269121		
Longitude:	-83.5453067583		
Methd coll:	I1		
Elevation:	723		
Elev methd:	T1	Depth flag:	2
Elev flag:	Not Reported	Swl flag:	Not Reported
Elev dem:	715	Elev dif:	8
Elev miv:	723	Aq code:	D
Aq flag:	Not Reported	Pct aq:	56
Pct aq d:	56	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	44
Pct cm d:	44	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:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	14	A pct aq2:	43
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	57	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Clay
A sc lmod1:	Not Reported	A sc lmaq1:	CM
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:	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		
Hcond2:	0		
Vcond2:	0		
T2:	0		
D50plek:	0		

A3
NW
1/4 - 1/2 Mile
Higher

MI WELLS **MI20317932**

Wellid:	81000007367	Import id:	81737701007
County:	Washtenaw	Township:	Ypsilanti
Town range:	03S 07E	Section:	1
Owner name:	MICHIGAN CONSOLIDATED GAS CO	Well addr:	Not Reported
Well depth:	80		
Well type:	*U		
Wssn:	0		
Well num:	Not Reported	Driller id:	25
Const date:	1975-10-07 00:00:00.000	Case type:	*U
Case dia:	6		
Case depth:	75		
Screen frm:	75		
Screen to:	80		
Swl:	12		
Test depth:	18		
Test hours:	1.5		
Test rate:	60	Test methd:	*U
Grout:	0	Pmp cpcity:	0
Latitude:	42.2545018395		
Longitude:	-83.5461001256		
Methd coll:	I1		
Elevation:	723		
Elev methd:	T1	Depth flag:	Not Reported
Elev flag:	Not Reported	Swl flag:	Not Reported
Elev dem:	712	Elev dif:	11
Elev miv:	723	Aq code:	D
Aq flag:	Not Reported	Pct aq:	33
Pct aq d:	33	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:	68	Pct pcm d:	68
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	8	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	68	A pct aq2:	26
A pct maq2:	0	A pct pcm2:	74
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Gravel
A sc lmod1:	Medium To Coarse	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:	80
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	20	Pct na 1:	0
Pct aq 2:	10	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	90
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	100	Pct na 3:	0
Pct aq 4:	40	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	60
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	68		
Hcond2:	19.11838		
Vcond2:	.00136		
T2:	1300.05		
D50plek:	151.6902		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database: **MI WELLS** | EDR ID Number: **MI20322606**

B4
NW
1/2 - 1 Mile
Higher

Wellid:	81000013931	Import id:	Not Reported
County:	Washtenaw	Township:	Ypsilanti
Town range:	03S 07E	Section:	18
Owner name:	DAVID ATTAUHIDI/DAVID TAUHIDI	Well addr:	3165 W. MICHIGAN
Well depth:	66		
Well type:	HOSHLD		
Wssn:	0		
Well num:	Not Reported	Driller id:	2197
Const date:	2003-10-06 00:00:00.000	Case type:	PVCPLA
Case dia:	5		
Case depth:	62		
Screen frm:	62		
Screen to:	66		
Swl:	15		
Test depth:	40		
Test hours:	2		
Test rate:	35	Test methd:	AIR
Grout:	1	Pmp cpcity:	12
Latitude:	42.25491105		
Longitude:	-83.54806119		
Methd coll:	A1		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	3	Swl flag:	Not Reported
Elev dem:	715	Elev dif:	715
Elev miv:	715	Aq code:	D
Aq flag:	Not Reported	Pct aq:	86
Pct aq d:	86	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	14
Pct cm d:	14	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:	51	A pct aq:	92
A pct maq:	0	A pct pcm:	0
A pct cm:	8	A pct na:	0
A thickns2:	51	A pct aq2:	92
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	8	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand & Gravel
A sc lmod1:	Fine	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:	75
Pct maq 1:	0	Pct cm 1:	25
Pct pcm 1:	0	Pct na 1:	0

Pct aq 2:	80	Pct maq 2:	0
Pct cm 2:	20	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Hcond2:	0		
Vcond2:	0		
T2:	0		
D50plek:	0		

B5
WNW
1/2 - 1 Mile
Higher

AQUIFLOW **45859**

Site ID:	810457
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	Not Reported
Deepest Water Table Depth:	Not Reported
Average Water Table Depth:	8
Date:	01/18/1995

6
SSW
1/2 - 1 Mile
Higher

MI WELLS **MI20324462**

Wellid:	82000001820	Import id:	Not Reported
County:	Wayne	Township:	Van Buren
Town range:	03S 08E	Section:	7
Owner name:	WAYNE CTY AIRPORT DIV.	Well addr:	Not Reported
Well depth:	10.7		
Well type:	*U		
Wssn:	0		
Well num:	Not Reported	Driller id:	666
Const date:	1986-09-18 00:00:00.000	Case type:	*U
Case dia:	2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	7.5		
Screen frm:	7.9		
Screen to:	10.7		
Swl:	6.95		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	*U
Grout:	1	Pmp cpcity:	0
Latitude:	42.24143041		
Longitude:	-83.54410837		
Methd coll:	I1		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	2
Elev flag:	3	Swl flag:	Not Reported
Elev dem:	715	Elev dif:	715
Elev miv:	715	Aq code:	D
Aq flag:	Not Reported	Pct aq:	51
Pct aq d:	51	Pct aq r:	0
Pct maq:	28	Pct maq d:	28
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	Pct cm r:	0
Pct pcm:	11	Pct pcm d:	11
Pct pcm r:	0	Pct na:	9
Pct na d:	9	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	4	A pct aq:	41
A pct maq:	27	A pct pcm:	32
A pct cm:	0	A pct na:	0
A thickns2:	4	A pct aq2:	41
A pct maq2:	27	A pct pcm2:	32
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Fine	A sc lmaq1:	AQ
A sc lpct1:	54	A sc lith2:	Sand & Clay
A sc lmod2:	Clayey	A sc lmaq2:	PCM
A sc lpct2:	43	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:	D		
Hit swl:	T		
Athk2:	4		
Hcond2:	12.53		
Vcond2:	.32595		
T2:	50.12		
D50plek:	.41504		

7
NE
1/2 - 1 Mile
Lower

MI WELLS **MI20324410**

Wellid:	82000001742	Import id:	Not Reported
County:	Wayne	Township:	Van Buren
Town range:	03S 08E	Section:	6
Owner name:	ANNETTE SWEENEY	Well addr:	49890 MICHIGAN AVENUE
Well depth:	98		
Well type:	HOSHLD		
Wssn:	0		
Well num:	Not Reported	Driller id:	2197
Const date:	2000-11-08 00:00:00.000	Case type:	PVCPLA
Case dia:	5		
Case depth:	93		
Screen frm:	0		
Screen to:	0		
Swl:	8		
Test depth:	60		
Test hours:	2		
Test rate:	10	Test methd:	AIR
Grout:	1	Pmp cpcity:	7
Latitude:	42.26036868		
Longitude:	-83.52975309		
Methd coll:	A1		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	3	Swl flag:	Not Reported
Elev dem:	705	Elev dif:	705
Elev miv:	705	Aq code:	R
Aq flag:	Not Reported	Pct aq:	10
Pct aq d:	11	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	77

Pct cm d:	75	Pct cm r:	100
Pct pcm:	11	Pct pcm d:	12
Pct pcm r:	0	Pct na:	2
Pct na d:	2	Pct na r:	0
Pct flag:	Not Reported	Rock top:	91
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:	40
Pct pcm 1:	0	Pct na 1:	10
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:	90
Pct pcm 3:	10	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	80	Pct pcm 4:	20
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		
Hcond2:	.00024		
Vcond2:	.00012		
T2:	.017		
D50plek:	.00507		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database: **MI WELLS** | EDR ID Number: **MI20322076**

8
NNW
1/2 - 1 Mile
Higher

Wellid:	81000012991	Import id:	Not Reported
County:	Washtenaw	Township:	Ypsilanti
Town range:	03S 07E	Section:	1
Owner name:	BERNARD M CARNAHAN	Well addr:	3080 MOTT
Well depth:	76		
Well type:	HOSHLD		
Wssn:	0		
Well num:	Not Reported	Driller id:	2197
Const date:	2003-02-07 00:00:00.000	Case type:	PVCPLA
Case dia:	5		
Case depth:	72		
Screen frm:	72		
Screen to:	76		
Swl:	12		
Test depth:	20		
Test hours:	2		
Test rate:	35	Test methd:	AIR
Grout:	1	Pmp cpcity:	12
Latitude:	42.26244325		
Longitude:	-83.54536949		
Methd coll:	A1		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	3	Swl flag:	Not Reported
Elev dem:	715	Elev dif:	715
Elev miv:	715	Aq code:	D
Aq flag:	Not Reported	Pct aq:	33
Pct aq d:	33	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	67
Pct cm d:	67	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:	13	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	64	A pct aq2:	20
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	80	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand & Gravel
A sc lmod1:	Medium	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:	60
Pct maq 1:	0	Pct cm 1:	40
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:	D		
Hit swl:	F		
Athk2:	64		
Hcond2:	10.15633		
Vcond2:	.00013		
T2:	650.0051		
D50plek:	74.08099		

9
NNE
1/2 - 1 Mile
Lower

MI WELLS **MI20324189**

Wellid:	82000001336	Import id:	82737806001
County:	Wayne	Township:	Van Buren
Town range:	03S 08E	Section:	6
Owner name:	DON ADDINGTON	Well addr:	50323 MOTT RD.
Well depth:	92		
Well type:	HOSHLD		
Wssn:	0		
Well num:	Not Reported	Driller id:	1586
Const date:	1983-08-31 00:00:00.000	Case type:	PVCPLA
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	92		
Screen frm:	86		
Screen to:	90		
Swl:	30		
Test depth:	50		
Test hours:	2		
Test rate:	9	Test methd:	*U
Grout:	1	Pmp cpcity:	0
Latitude:	42.2622493284		
Longitude:	-83.5323625215		
Methd coll:	I1		
Elevation:	706		
Elev methd:	T1	Depth flag:	Not Reported
Elev flag:	Not Reported	Swl flag:	Not Reported
Elev dem:	705	Elev dif:	1
Elev miv:	706	Aq code:	D
Aq flag:	Not Reported	Pct aq:	17
Pct aq d:	17	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	80
Pct cm d:	80	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	2
Pct na d:	2	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	5	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	60	A pct aq2:	8
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	92	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:	55
Pct maq 1:	0	Pct cm 1:	35
Pct pcm 1:	0	Pct na 1:	10
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	100	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

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:	60		
Hcond2:	4.16676		
Vcond2:	.00011		
T2:	250.0055		
D50plek:	28.18138		

C10
WSW
1/2 - 1 Mile
Higher

MI WELLS **MI20317958**

Wellid:	81000007406	Import id:	81737712009
County:	Washtenaw	Township:	Ypsilanti
Town range:	03S 07E	Section:	12
Owner name:	HYDRA MATIC DIV. GM	Well addr:	WILLOW RUN
Well depth:	15		
Well type:	HOSHLD		
Wssn:	0		
Well num:	Not Reported	Driller id:	1758
Const date:	1984-10-30 00:00:00.000	Case type:	PVCPLA
Case dia:	2		
Case depth:	5		
Screen frm:	5		
Screen to:	15		
Swl:	8		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	*U
Grout:	1	Pmp cpcity:	0
Latitude:	42.2432633872		
Longitude:	-83.5546229047		
Methd coll:	I1		
Elevation:	722		
Elev methd:	T1	Depth flag:	2
Elev flag:	Not Reported	Swl flag:	Not Reported
Elev dem:	718	Elev dif:	4
Elev miv:	722	Aq code:	D
Aq flag:	Not Reported	Pct aq:	33
Pct aq d:	33	Pct aq r:	0
Pct maq:	53	Pct maq d:	53
Pct maq r:	0	Pct cm:	13

Pct cm d:	13	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:	7	A pct aq:	0
A pct maq:	100	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	7	A pct aq2:	0
A pct maq2:	100	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 & Silt
A sc lmod1:	Fine	A sc lmaq1:	MAQ
A sc lpct1:	60	A sc lith2:	Silt
A sc lmod2:	Not Reported	A sc lmaq2:	MAQ
A sc lpct2:	20	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:	D		
Hit swl:	T		
Athk2:	7		
Hcond2:	.64286		
Vcond2:	.58333		
T2:	4.5		
D50plek:	.07698		

Map ID
Direction
Distance
Elevation

Database: **MI WELLS** EDR ID Number: **MI20317960**

11
SSW
1/2 - 1 Mile
Higher

Wellid:	81000007416	Import id:	81737712019
County:	Washtenaw	Township:	Ypsilanti
Town range:	03S 07E	Section:	12
Owner name:	WAYNE COUNTY AIRPORT DIVISION	Well addr:	WEST FUEL FARM WILLOW RUN AIR.
Well depth:	11		
Well type:	HOSHLD		
Wssn:	0		
Well num:	Not Reported	Driller id:	666
Const date:	1986-09-13 00:00:00.000	Case type:	*U
Case dia:	2		
Case depth:	5		
Screen frm:	5.5		
Screen to:	11		
Swl:	7.9		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	*U
Grout:	1	Pmp cpcity:	0
Latitude:	42.2385215651		
Longitude:	-83.5477303034		
Methd coll:	I1		
Elevation:	717		
Elev methd:	T1	Depth flag:	2
Elev flag:	Not Reported	Swl flag:	Not Reported
Elev dem:	715	Elev dif:	2
Elev miv:	717	Aq code:	D
Aq flag:	Not Reported	Pct aq:	18
Pct aq d:	18	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	36
Pct cm d:	36	Pct cm r:	0
Pct pcm:	45	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:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	3	A pct aq:	0
A pct maq:	0	A pct pcm:	35
A pct cm:	65	A pct na:	0
A thickns2:	3	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	35
A pct cm2:	65	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Clay
A sc lmod1:	Silty	A sc lmaq1:	CM
A sc lpct1:	36	A sc lith2:	Clay & Sand
A sc lmod2:	Not Reported	A sc lmaq2:	PCM
A sc lpct2:	36	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:	D		
Hit swl:	T		
Athk2:	3		
Hcond2:	.01673		
Vcond2:	.00015		
T2:	.0502		
D50plek:	.00055		

C12
SW
1/2 - 1 Mile
Higher

MI WELLS **MI20317957**

Wellid:	81000007404	Import id:	81737712007
County:	Washtenaw	Township:	Ypsilanti
Town range:	03S 07E	Section:	12
Owner name:	HYRDA MATIC DIV. GM	Well addr:	WILLOW RUN
Well depth:	15		
Well type:	HOSHLD		
Wssn:	0		
Well num:	Not Reported	Driller id:	1758
Const date:	1985-10-30 00:00:00.000	Case type:	PVCPLA
Case dia:	2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	5		
Screen frm:	5		
Screen to:	15		
Swl:	7.5		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	*U
Grout:	1	Pmp cpcity:	0
Latitude:	42.2423564587		
Longitude:	-83.5550884308		
Methd coll:	I1		
Elevation:	722		
Elev methd:	T1	Depth flag:	2
Elev flag:	Not Reported	Swl flag:	Not Reported
Elev dem:	722	Elev dif:	0
Elev miv:	722	Aq code:	D
Aq flag:	Not Reported	Pct aq:	73
Pct aq d:	73	Pct aq r:	0
Pct maq:	13	Pct maq d:	13
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:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	8	A pct aq:	73
A pct maq:	27	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	8	A pct aq2:	73
A pct maq2:	27	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
A sc lmod1:	Fine	A sc lmaq1:	AQ
A sc lpct1:	40	A sc lith2:	Silt
A sc lmod2:	Not Reported	A sc lmaq2:	MAQ
A sc lpct2:	20	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:	D		
Hit swl:	T		
Athk2:	8		
Hcond2:	19		
Vcond2:	3.57143		
T2:	152		
D50plek:	2.35188		

13
SW
1/2 - 1 Mile
Higher

MI WELLS **MI20317959**

Wellid:	81000007410	Import id:	81737712013
County:	Washtenaw	Township:	Ypsilanti
Town range:	03S 07E	Section:	12
Owner name:	HYDRA MATIC DIV GM	Well addr:	WILLOW RUN
Well depth:	15		
Well type:	HOSHLD		
Wssn:	0		
Well num:	Not Reported	Driller id:	1758
Const date:	1985-02-08 00:00:00.000	Case type:	PVCPLA
Case dia:	2		
Case depth:	5		
Screen frm:	5		
Screen to:	15		
Swl:	7		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	*U
Grout:	1	Pmp cpcity:	0
Latitude:	42.2414656653		
Longitude:	-83.5547191401		
Methd coll:	I1		
Elevation:	722		
Elev methd:	T1	Depth flag:	2
Elev flag:	Not Reported	Swl flag:	Not Reported
Elev dem:	718	Elev dif:	4
Elev miv:	722	Aq code:	D
Aq flag:	Not Reported	Pct aq:	53
Pct aq d:	53	Pct aq r:	0
Pct maq:	33	Pct maq d:	33
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:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	8	A pct aq:	63
A pct maq:	38	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	8	A pct aq2:	63
A pct maq2:	38	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
A sc lmod1:	Fine	A sc lmaq1:	AQ
A sc lpct1:	50	A sc lith2:	Sand & Silt
A sc lmod2:	Medium	A sc lmaq2:	MAQ
A sc lpct2:	50	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:	D		
Hit swl:	T		
Athk2:	8		
Hcond2:	16		
Vcond2:	2.5		
T2:	128		
D50plek:	2.00091		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
1/4 - 1/2 Mile | **OIL_GAS** | **0000027824**

API Well No:	21161266030000		
Permit No:	26603		
Permit Date:	09/22/1966		
Slant:	V	County:	WASHTENAW
BH County:	WASHTENAW	Township:	YPSILANTI
Tier:	3	N/S Direction:	S
Range:	7	E/W Direction:	E
Section:	1	10-acre Fraction:	W2
40-acre Fraction:	NE	160-acre Fraction:	SE
Lease Name:	CAVERN, WILLOW	Well No:	1
Permitted Owner:	MICHIGAN CONSOLIDATED GAS CO		
Surface Owner:	Not Reported		
Elevation:	723	Depth:	2137
Formation:	SAL BS	State Land:	NO
Federal Land:	NO	Well type:	Dry Hole
Well Status:	Plugging Approved	Surface X Coord:	2212571.130
Surface Y Coord:	275409.650	Bottom X Coord:	2212571.130
Bottom Y Coord:	275409.650	MGR Surface X Coord:	702131.590
MGR Surface Y Coord:	192137.202	MGR Bottom X Coord:	702131.590
MGR Bottom Y Coord:	192137.202		
Description:	Dry Hole		

WNW
1/4 - 1/2 Mile | **OIL_GAS** | **0000000247**

API Well No:	21161001428000		
Permit No:	142		
Permit Date:	11/15/1966		
Slant:	V	County:	WASHTENAW
BH County:	WASHTENAW	Township:	YPSILANTI
Tier:	3	N/S Direction:	S
Range:	7	E/W Direction:	E
Section:	1	10-acre Fraction:	SW
40-acre Fraction:	NE	160-acre Fraction:	SE
Lease Name:	WILLOW BRINE DISPOSAL	Well No:	1
Permitted Owner:	MICHIGAN CONSOLIDATED GAS CO		
Surface Owner:	Not Reported		
Elevation:	Not Reported	Depth:	Not Reported
Formation:	Not Reported	State Land:	NO
Federal Land:	NO	Well type:	Brine Disposal Well
Well Status:	Plugging Approved	Surface X Coord:	2212759.540
Surface Y Coord:	275183.220	Bottom X Coord:	2212759.540
Bottom Y Coord:	275183.220	MGR Surface X Coord:	702180.178
MGR Surface Y Coord:	192060.158	MGR Bottom X Coord:	702180.178
MGR Bottom Y Coord:	192060.158		
Description:	Brine Disposal Well		

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	48111	1	12/23/87	0.7	52.1%		
Random	48111	1	5/13/87	0.7	26.6%		
Random	48111	0	4/16/87	2.8	9.7%		
Geographic	48111	0	3/27/88	1.7	17.2%		
Geographic	48111	0	3/23/88	2.8	7.5%		

State Database: MI Radon

Radon Test Results

Zip	Less than sign	Pci/L
48111	<	0.30
48111		1.60
48111		0.60
48111	<	0.30
48111		1.10
48111		7.10
48111		2.00
48111		7.50
48111		2.50
48111		0.50
48111		0.60
48111		3.10
48111		0.40
48111		2.70

Federal EPA Radon Zone for WAYNE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 48111

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.700 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 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 IRAA 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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EDR Site Report™

VAN BUREN DEVELOPMENT COMPANY LA
5070 ECORSE ROAD
VAN BUREN TOWNSHIP, MI 48111

Inquiry Number:

February 7, 2007

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary . . . . . Page 3

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports . . . . . Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information. . . . . Page 6

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

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

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 **VAN BUREN DEVELOPMENT COMPANY LANDFILL** 5070 ECORSE ROAD VAN BUREN TOWNSHIP, MI 48111 EDR ID #1003872652 EPA #MID982075616
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	**YES - p4 (NFRAP)**
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE DISPOSAL

DATABASE: No Further Remedial Action Planned (CERCLIS/NFRAP)

VAN BUREN DEVELOPMENT COMPANY LANDFILL
5070 ECORSE ROAD
VAN BUREN TOWNSHIP, MI 48111
EDR ID #1003872652

CERC-NFRAP:

Site ID:	0505456
EPA ID:	MID982075616
Facility County:	WAYNE
Short Name:	VAN BUREN DEVELOPMENT COM
Congressional District:	Not reported
IFMS ID:	Not reported
SMSA Number:	2160
USGC Hydro Unit:	04090005
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00
Site Orphan Flag:	N
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	Not reported
NFRAP Flag:	NFA
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	05
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Not on the NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	NFRAP
Non NPL Status Date:	19890321
Site Fips Code:	26163
CC Concurrence Date:	Not reported
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS-NFRAP Site Alias Name(s):

Alias ID:	101
Alias Name:	VAN BUREN DEVELOPMENT CO LDFL
Alias Address:	5070 ECORSE ROAD VAN BUREN TOWNSHIP, MI 48111
Alias Comments:	Not reported

Site Description: Not reported

CERCLIS-NFRAP Assessment History:

Action Code:	001
Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	02/08/1988
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	001
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	03/21/1989
Priority Level:	NFRAP (No Futher Remedial Action Planned
Operable Unit:	SITEWIDE
Primary Responsibility:	State, Fund Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	001
Action:	ARCHIVE SITE
Date Started:	Not reported
Date Completed:	03/21/1989
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA In-House
Planning Status:	Not reported

Urgency Indicator:	Not reported
Action Anomaly:	Not reported

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

WASTE MANAGEMENT

RCRA: Resource Conservation and Recovery Act Information
Source: EPA
Telephone: 800-424-9346
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. 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 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 06/13/2006 — Date of Last EDR Contact: 01/10/2007
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 02/19/2007

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
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: 12/31/2003 — Date of Last EDR Contact: 01/19/2007
Database Release Frequency: Biennially — Date of Next Scheduled Update: 03/12/2007

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 — Date of Last EDR Contact: 12/04/2006
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 03/05/2007

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/27/2006 — Date of Last EDR Contact: 12/04/2006
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 03/05/2007

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-566-0500
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: 10/17/2006 — Date of Last EDR Contact: 11/29/2006
Database Release Frequency: Annually — Date of Next Scheduled Update: 02/05/2007

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
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: 10/19/2006
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/02/2007
Date of Next Scheduled Update: 04/02/2007

MI AST: Aboveground Tanks
Source: Department of Environmental Quality
Telephone: 517-373-8168
Registered Aboveground Storage Tanks.

Date of Government Version: 12/13/2006
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 12/11/2006
Date of Next Scheduled Update: 03/12/2007

MI UST: Underground Storage Tank Facility List
Source: Department of Environmental Quality
Telephone: 517-335-4035
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: 12/13/2006
Database Release Frequency: Annually
Date of Last EDR Contact: 12/13/2006
Date of Next Scheduled Update: 03/12/2007

MI LUST: Leaking Underground Storage Tank Sites
Source: Department of Environmental Quality
Telephone: 517-373-9837
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: 12/13/2006
Database Release Frequency: Annually
Date of Last EDR Contact: 12/13/2006
Date of Next Scheduled Update: 03/12/2007

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005
Database Release Frequency: Annually
Date of Last EDR Contact: 01/24/2007
Date of Next Scheduled Update: 04/23/2007

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 08/01/2006
Database Release Frequency: Annually
Date of Last EDR Contact: 01/17/2007
Date of Next Scheduled Update: 04/16/2007

WASTE DISPOSAL

NPL: National Priority List
Source: EPA
Telephone: Not reported
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: 09/27/2006
Date Made Active at EDR: 11/22/2006
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 11/01/2006
Elapsed ASTM Days: 21
Date of Last EDR Contact: 01/31/2007

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: Not reported

Date of Government Version: 09/27/2006
Date Made Active at EDR: 11/22/2006
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 11/01/2006
Elapsed ASTM Days: 21
Date of Last EDR Contact: 11/01/2006

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: Not reported
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: 09/27/2006
Date Made Active at EDR: 11/22/2006
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 11/01/2006
Elapsed ASTM Days: 21
Date of Last EDR Contact: 01/31/2007

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-603-8960
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: 11/28/2006
Date Made Active at EDR: 01/29/2007
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 12/19/2006
Elapsed ASTM Days: 41
Date of Last EDR Contact: 12/19/2006

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-603-8960
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: 10/10/2006
Database Release Frequency: Quarterly
Date of Last EDR Contact: 12/18/2006
Date of Next Scheduled Update: 03/19/2007

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
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: 10/07/2006
Database Release Frequency: Annually
Date of Last EDR Contact: 01/22/2007
Date of Next Scheduled Update: 04/02/2007

NPL RECOVERY: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
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
Date Made Active at EDR: 03/30/1994
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 02/02/1994
Elapsed ASTM Days: 56
Date of Last EDR Contact: 11/17/2006

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

MI SHWS: Contaminated Sites
Source: Department of Environmental Quality
Telephone: 517-373-9541
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: 11/20/2006
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 11/22/2006
Date of Next Scheduled Update: 02/19/2007

MI SWF/LF: Solid Waste Facilities Database
Source: Department of Environmental Quality
Telephone: 517-335-4035
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: 11/01/2006
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 01/22/2007
Date of Next Scheduled Update: 04/23/2007

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
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: 12/31/2004
Database Release Frequency: Annually
Date of Last EDR Contact: 12/19/2006
Date of Next Scheduled Update: 03/19/2007

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-4203
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: 12/31/2004
Database Release Frequency: Annually
Date of Last EDR Contact: 01/29/2007
Date of Next Scheduled Update: 04/16/2007

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
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
Database Release Frequency: N/A
Date of Last EDR Contact: 01/15/2007
Date of Next Scheduled Update: 04/16/2007

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
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: 10/19/2006
Database Release Frequency: Quarterly
Date of Last EDR Contact: 12/18/2006
Date of Next Scheduled Update: 03/19/2007

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-566-1667

Date of Government Version: 10/19/2006
Database Release Frequency: Quarterly
Date of Last EDR Contact: 12/18/2006
Date of Next Scheduled Update: 03/19/2007

FINDS: Facility Index System/Facility Registry System
Source: EPA
Telephone: Not reported
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: 10/11/2006
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/02/2007
Date of Next Scheduled Update: 04/02/2007

RMP: Risk Management Plans
Source: Environmental Protection Agency
Telephone: 202-564-8600
When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 09/01/2006
Database Release Frequency: Varies
Date of Last EDR Contact: 11/17/2006
Date of Next Scheduled Update: 02/19/2007

STORMWATER: Storm Water General Permits
Source: Environmental Protection Agency
Telephone: 202-564-0746
A listing of all facilities with Storm Water General Permits.

Date of Government Version: 06/02/2005
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/02/2007
Date of Next Scheduled Update: 04/02/2007

US ENG CONTROLS: Engineering Controls Sites List
Source: Environmental Protection Agency
Telephone: 703-603-8905
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/18/2006
Database Release Frequency: Varies
Date of Last EDR Contact: 01/02/2007
Date of Next Scheduled Update: 04/02/2007

US INST CONTROL: Sites with Institutional Controls
Source: Environmental Protection Agency
Telephone: 703-603-8905
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/18/2006
Database Release Frequency: Varies
Date of Last EDR Contact: 01/02/2007
Date of Next Scheduled Update: 04/02/2007

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
Source: EPA Region 1
Telephone: 617-918-1313
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006
Database Release Frequency: Varies
Date of Last EDR Contact: 11/17/2006
Date of Next Scheduled Update: 02/19/2007

RADINFO: Radiation Information Database
Source: Environmental Protection Agency
Telephone: 202-343-9775
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: 11/03/2006
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/31/2007
Date of Next Scheduled Update: 04/30/2007

LUCIS: Land Use Control Information System
Source: Department of the Navy
Telephone: 843-820-7326
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
Database Release Frequency: Varies
Date of Last EDR Contact: 12/11/2006
Date of Next Scheduled Update: 03/12/2007

CDL: Clandestine Drug Labs
Source: Drug Enforcement Administration
Telephone: 202-307-1000
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: 12/01/2006
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/08/2007
Date of Next Scheduled Update: 03/26/2007

MI DEL SHWS: Delisted List of Contaminated Sites
Source: Department of Environmental Quality
Telephone: 517-373-9541
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: 11/28/2006
Database Release Frequency: Varies
Date of Last EDR Contact: 11/20/2006
Date of Next Scheduled Update: 02/19/2007

MI HIST LF: Inactive Solid Waste Facilities
Source: Department of Environmental Quality
Telephone: 517-335-4034
The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 02/28/2003
Date of Next Scheduled Update: Not reported

MI PEAS: Pollution Emergency Alerting System
Source: Department of Environmental Quality
Telephone: 517-373-8427
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: 12/31/2006
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/02/2007
Date of Next Scheduled Update: 04/02/2007

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

MI AUL: Engineering and Institutional Controls
Source: Department of Environmental Quality
Telephone: 517-373-4828
A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 06/30/2006
Database Release Frequency: Varies
Date of Last EDR Contact: 01/08/2007
Date of Next Scheduled Update: 03/26/2007

MI DRYCLEANERS: Drycleaning Establishments
Source: Department of Environmental Quality
Telephone: 517-335-4586
A listing of drycleaning facilities in Michigan.

Date of Government Version: 11/16/2006
Database Release Frequency: Varies
Date of Last EDR Contact: 11/13/2006
Date of Next Scheduled Update: 02/12/2007

MI BROWNFIELDS: Brownfields and USTfield Site Database
Source: Department of Environmental Quality
Telephone: 517-373-4805
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: 11/01/2006
Database Release Frequency: Varies
Date of Last EDR Contact: 11/20/2006
Date of Next Scheduled Update: 02/19/2007

MI NPDES: List of Active NPDES Permits
Source: Department of Environmental Quality
Telephone: 517-241-1300
General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 10/12/2006
Database Release Frequency: Varies
Date of Last EDR Contact: 01/30/2007
Date of Next Scheduled Update: 04/30/2007

MI AIRS: Permit and Emissions Inventory Data
Source: Department of Environmental Quality
Telephone: 517-373-7074
Permit and emissions inventory data.

Date of Government Version: 11/08/2006
Database Release Frequency: Varies
Date of Last EDR Contact: 01/15/2007
Date of Next Scheduled Update: 04/16/2007

MI BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE
Source: DEPT. OF ENVIRONMENTAL QUALITY
Telephone: 517-373-9541

Date of Government Version: 12/14/2006
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 12/11/2006
Date of Next Scheduled Update: 03/12/2007

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties
Source: EPA
Telephone: 202-564-6064
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/07/2006
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/02/2007
Date of Next Scheduled Update: 04/02/2007

APPENDIX E

Historical Information

The EDR-City Directory
Abstract

Van Buren Twp 65 acres
Undeveloped Land
Belleville, MI 48111

August 16, 2002

Inquiry Number: 830321-9

Environmental Data Resources, Inc.

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

Environmental Data Resources, Inc.
City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist professionals in evaluating potential liability on a target property resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources. Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.4, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.4, page 12.)

EDR's City Directory Abstract includes a search and abstract of available city directory data.

City Directories
City directories have been published for cities and towns across the U.S. since the 1700s. Originally a list of residents, the city directory developed into a sophisticated tool for locating individuals and businesses in a particular urban or suburban area. Twentieth century directories are generally divided into three sections: a business index, a list of resident names and addresses, and a street index. With each address, the directory lists the name of the resident or, if a business is operated from this address, the name and type of business (if unclear from the name). While city directory coverage is comprehensive for major cities, it may be spotty for rural areas and small towns. ASTM E 1527-00 specifies that a *"review of city directories (standard historical sources) at less than approximately five year intervals is not required by this practice." (ASTM E 1527-00, Section 7.3.4, page 12.)*

Please call EDR Nationwide Customer Service at
1-800-352-0050 (8am-8pm EST)
with questions or comments about your report.
Thank you for your business!

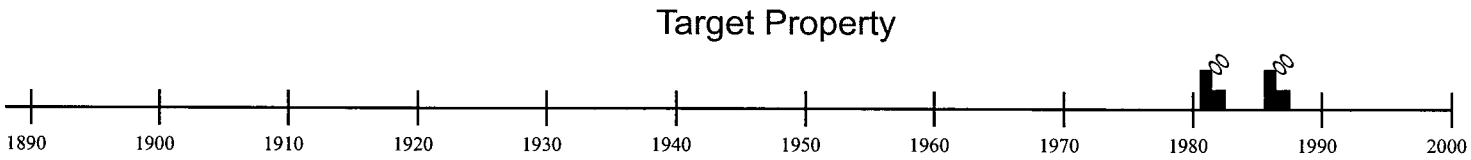
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Prior Use Report® Timeline



Legend:

= Historical Topographic Map (**HT**)

= National Wetland Inventory Map (**WT**) *

= Flood Prone/FEMA Maps (**FP/FR**) *

= Aerial Photos Included (**P**) *

= Aerial Photos Available *

= Residential (**R**)

= Commercial or Industrial (**C**)

Superscript number corresponds to graph ID in text

**Displayed on timeline when aerial photos, flood prone, FEMA, wetland maps, or Aerial Research Summary are purchased.*

Target Property:	Van Buren Twp 65 acres	**Customer:**	Blasland, Bouck and Lee, Inc
Address:	Undeveloped Land	**Contact:**	Brad Saunders
City/State/Zip:	Belleville, MI 48111	**Inquiry #:**	830321-9
		Date:	8/16/2002

4. SUMMARY

- *City Directories:*

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1973 through 2002. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources:
City Directories Aug 16, 2002

Target Property:
Undeveloped Land
Belleville, MI 48111

PUR ID Year	*Uses*	*Portion-Findings (FIM Information Only)*	*Source*
-- 1973	No Return (50000)		Bresser''s Cross Directory
	Address Not Listed in Research Source (50700)		
	Address Not Listed in Research Source (51108)		
-- 1977	No Return (50000)		Bresser''s Cross Directory
	Address Not Listed in Research Source (50700)		
	Address Not Listed in Research Source (51108)		
-- 1982	General Motors Corporation (50000)		Bresser''s Cross Directory
	Address Not Listed in Research Source (50700)		
	Address Not Listed in Research Source (51108)		
-- 1987	General Motors Corporation (50000)		Bresser''s Cross Directory
	Address Not Listed in Research Source (50700)		
	Address Not Listed in Research Source (51108)		
-- 1992	Address not Listed in Research Source		Bresser''s Cross Directory
-- 1997	Address not Listed in Research Source		Bresser''s Cross Directory
-- 2002	Address not Listed in Research Source		Bresser''s Cross Directory

Glossary of Terms

A.A.A.

Aerial photograph flyer: Agriculture Adjustment Administration (Federal).

A.S.C.S

Aerial photograph flyer: Agricultural Stabilization and Conservation Service (Federal)

Address in Research Source

Indicates that a property is listed at a different address than the one provided by the user. Generally occurs when a property is located on a corner or, when the physical address of a property is different than its mailing address.

Address Not Listed in Research Source

Occurs when a specific site address is not listed in city directories and/or fire insurance maps.

Adjoining

Any property that is contiguous, or a property that would be contiguous if not for a public thoroughfare, to the target property. *To differentiate from each adjoining property, stand at the target property's "front door" facing the street.*

Adjoining Back

Property directly to the rear of the target property. (Applies only to fire insurance map data.)

Adjoining Front

Property directly in front of the target property. (Applies only to fire insurance map data.)

Adjoining Left

Property directly to the left of the target property. (Applies only to fire insurance map data.)

Adjoining Right

Property directly to the right of the target property. (Applies only to fire insurance map data.)

Adjoining Surrounding Area

Property that may adjoin the target property but due to lack of specific map information cannot be located precisely. This situation typically occurs when city directory information, but not fire insurance map information, is available.

C.A.S

Aerial photograph flyer: Chicago Aerial Survey (private).

C.S.S.

Aerial photograph flyer: Commodity Stabilization Service (Federal).

Cartwright

Aerial photograph flyer: Cartwright (private)

CD

City Directory

Commercial

Any property including, but not limited to, property used for industrial, retail, office, agricultural, other commercial, medical, or educational purposes; property used for residential purposes that has more than four residential dwelling units.

Commercial or Industrial

Property that has either a commercial *or* an industrial use. Examples include retail stores, manufacturing facilities, factories, and apartment buildings.

D.N.R.

Aerial photograph flyer: Department of National Resources (state).

D.O.T.

Aerial photograph flyer: Department of Transportation (state).

Fairchild

Aerial photograph flyer: Fairchild (private).

FIM

Fire Insurance Map

Flood Insurance Rate Maps

Flood Insurance Rate Maps are produced by the Federal Emergency Management Agency (FEMA). These maps indicate special flood hazard areas, base flood elevations and flood insurance risk zones.

Flood Prone Area Maps

Flood Prone Area maps are produced by the United States Geological Survey (USGS). Areas identified as flood prone have been determined by available information gathered from past floods.

F.S.

Aerial photograph flyer: Forest Service (Federal).

Geonex

Aerial photograph flyer: Geonex (private).

M.C.

Aerial photograph flyer: Metropolitan Council of the Twin Cities Area (state).

Mark Hurd

Aerial photograph flyer: Mark Hurd (private)

N.A.P.P.

Aerial photograph flyer: National Aerial Photography Program (Federal).

National Wetland Inventory Maps

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a division of the U.S. Department of the Interior. Wetland and deepwater habitat information is identified on a 7.5 minute U.S.G.S. topographic map. The classification system used categorizes these habitats into five systems: marine, estuarine, riverine, lacustrine and palustrine.

No Return

Indicates that site owner was unavailable at time of surveyor's contact. *(Applies only to city directories.)*

No Structure Identified on Parcel

Used when site boundaries and/or site address is indicated on a fire insurance map; no structure details exist.

Other

Occurs when the site's classification is different that EDR's standard categories. Examples may include undeveloped land and buildings with no specified function.

P.M.A.

Aerial photograph flyer: Production and Marketing Administration (Federal).

Pacific Aerial

Aerial photograph flyer: Pacific Aerial (private)

Portion

Refers to the fire insurance map information identified on the four quadrants of a target or adjoining property. The portions are referred to as *Frontright*, *Frontleft*, *Backright*, and *Backleft* and are determined as if one were standing at the front door, facing the street.

Property Not Defined

Used when property is not clearly demarcated on a fire insurance map.

Residential

Any property having fewer than five dwelling units used exclusively for residential purposes.

Residential with Commercial Uses (a.k.a. Multiple Purpose Address)

A business (firm) and residence at the same address. Examples include a doctor, attorney, etc. working out of his/her home.

Sidwell

Aerial photograph flyer: Sidwell (private).

Site Not Mapped

Occurs when an adjoining property has not been mapped by fire insurance map surveyors. (Applies only to fire insurance map data.)

Teledyne

Aerial photograph flyer: Teledyne (private)

Topographic Maps

Topographic maps are produced by the United States Geological Survey (USGS). These maps are color coded line and symbol representations of natural and selected artificial features plotted to scale.

Turnbow

Aerial photograph flyer: Michael Turnbow (private)

U.S.D.A.
Aerial photograph flyer: United States Department of Agriculture (Federal).

U.S.D.I.
Aerial photograph flyer: United States Department of the Interior (Federal).

U.S.G.S.
Aerial photograph flyer: United States Geological Survey (Federal).

Vacant
May refer to an unoccupied structure or land. *Used only when fire insurance map or city directory specifies 'vacant.'*

W.P.A.
Aerial photograph flyer: Works Progress Administration (Federal).

WALLACE
Aerial photograph flyer: Wallace (private).

Environmental Data Resources, Inc.

"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Brad Saunders
Blasland, Bouck & Lee, Inc
455 E Eisenhower Pkwy
Ann Arbor, MI 48108

1152387DEL 734-668-1133

Order Date: 8/13/2002 **Completion Date:** 08/14/2002
Inquiry #: 830321.6S
P.O. #: 64436.006
Site Name: Van Buren Twp 65 acres
Address: Undeveloped Land
City/State: Belleville, MI 48111
Cross Streets:

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client-supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

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The EDR-Aerial Photography Print Service

Van Buren Twp 65 acres
Undeveloped Land
Belleville, MI 48111

August 16, 2002

Inquiry Number: 830321-7



The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

Environmental Data Resources, Inc.
Aerial Photography Print Service

Environmental Data Resources, Inc.'s (EDR) Aerial Photography Print Service is a screening tool designed to assist professionals in evaluating potential liability on a target property resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources. Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.4, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful. "*(ASTM E 1527-00, Section 7.3.4, page 12.

Aerial Photographs
Aerial photographs are a valuable historical resource for documenting past land use and can be particularly helpful when other historical sources (such as city directories or fire insurance maps) are not reasonably ascertainable. The EDR Aerial Photograph Print Service includes a search of aerial photograph collections flown by public and private agencies for the state of Michigan. EDR's professional field-based researchers provide digitally reproduced historical aerial photographs at approximately ten year intervals.

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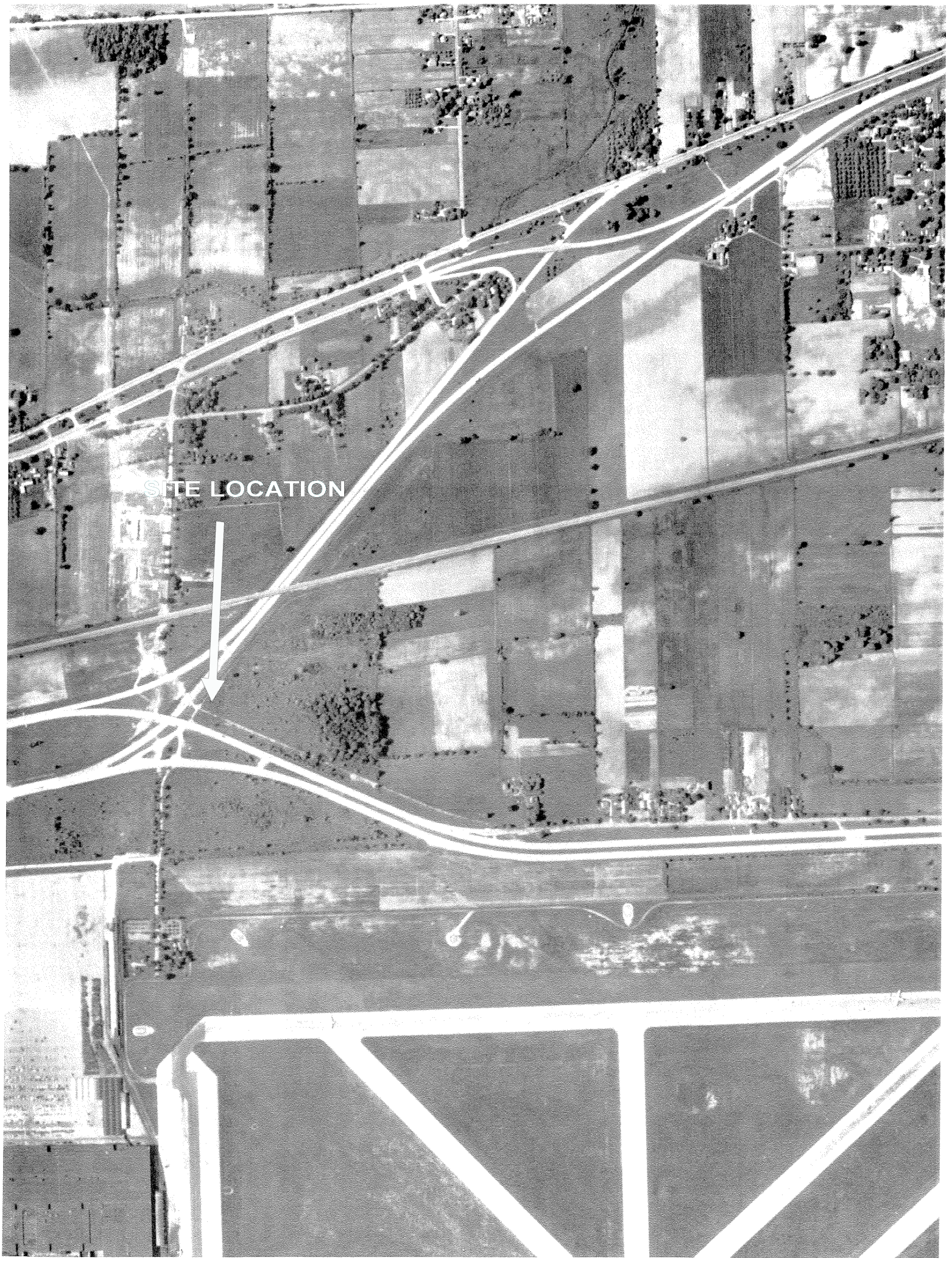
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SITE LOCATION

INQUIRY # 830321.7
YEAR: 1940
FLYER: AAA
SCALE: 1" = 770'

N




SITE LOCATION

INQUIRY # 830321-7
YEAR: 1957
FLYER: C55
SCALE: 1" = 770'



SITE LOCATION

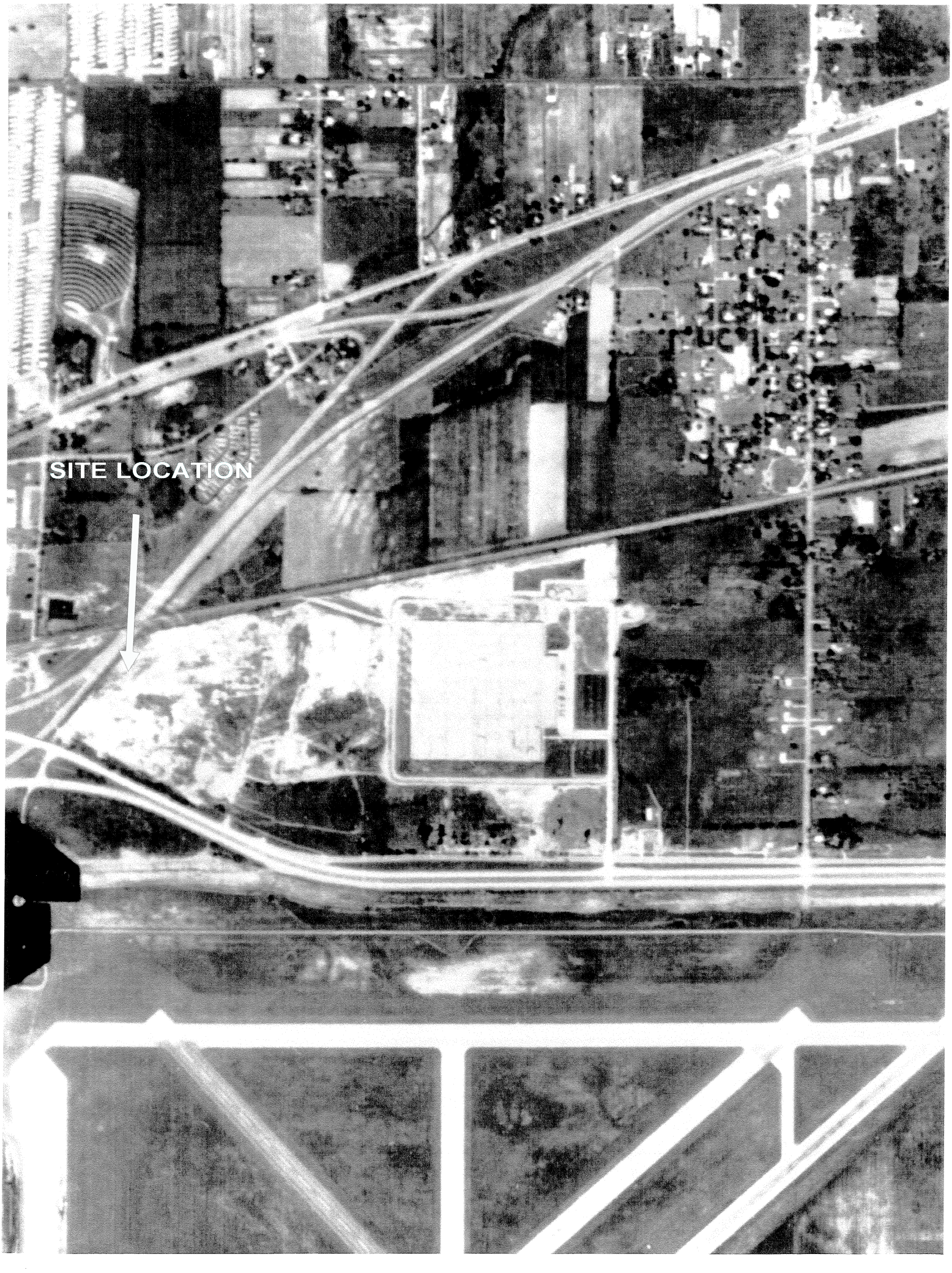
INQUIRY # 830321 · 7
YEAR: 1964
FLYER: ASCS
SCALE: 1" = 770'

N




11-21-66
2-143
GS-VBOW


APR. 26 -70
151.91 A
M.D.S.H CZL- 10
SITE LOCATION


SITE LOCATION

INQUIRY # 830321·7
YEAR: 1972
FLYER: ASCS
SCALE: 1"=770'



SITE LOCATION

INQUIRY # 830321 · 7
YEAR: 1985
FLYER: Semcog
SCALE: 1" = 770'

N

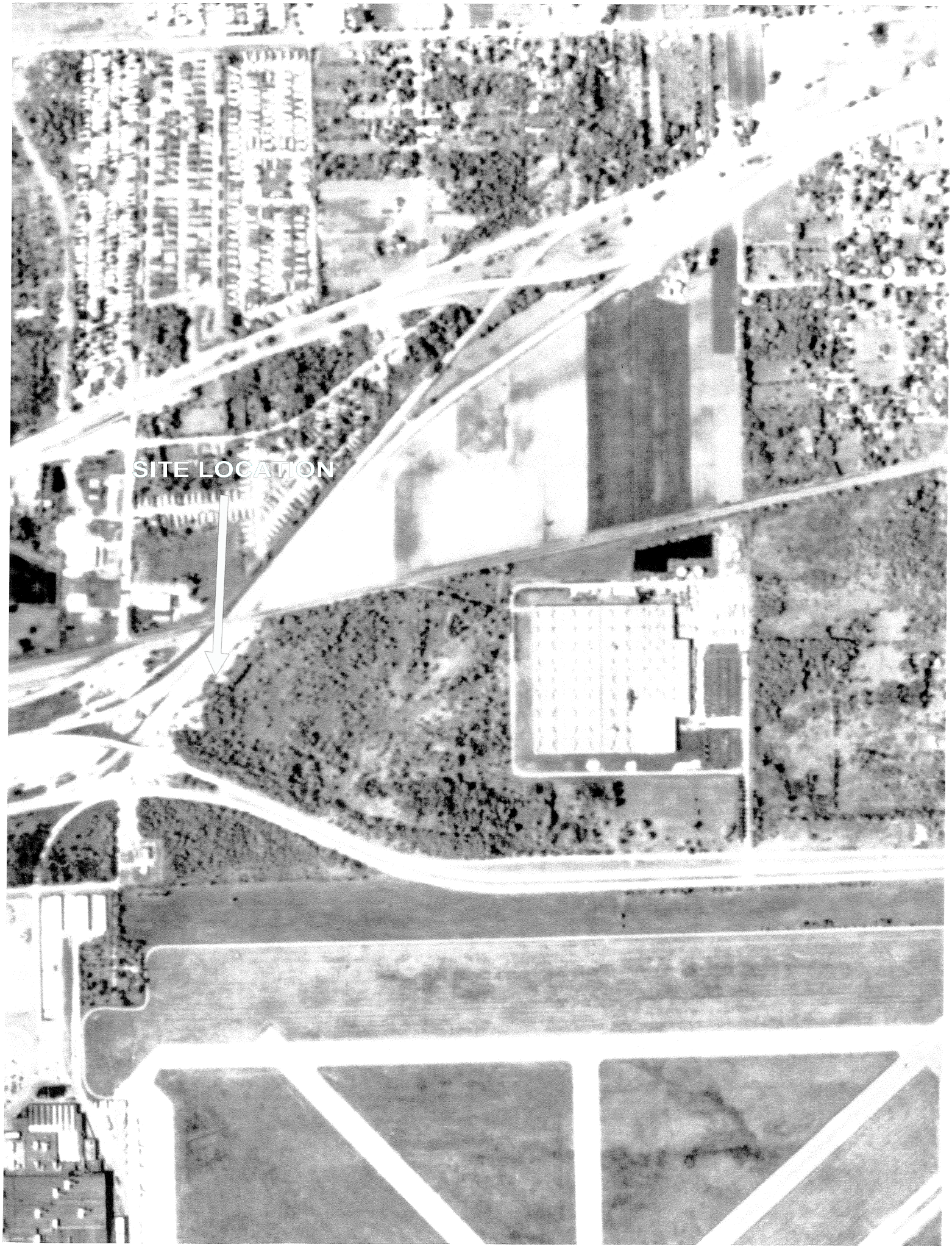


SITE LOCATION

INQUIRY # ~~8 3 0 3 2 1 . 7~~
YEAR: 1985
FLYER: Semco
SCALE: 1"=770'

N




SITE LOCATION

INQUIRY # 830321 · 7
YEAR: 1994
FLYER: NAPP
SCALE: 1" = 7701

N

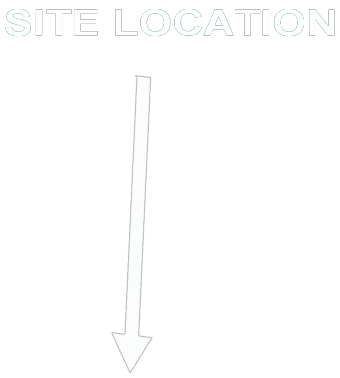



WILD 15/4 UAGA-F
Nr 13116 153,06
01/17/2003 03001
1"=350'
1-2
SITE LOCATION


WILD 15/4 UAGA-F
Nr 13116 153,06
01/17/2003
1-350
I-1


WILD 15/4 UAGA-F
Nr 13116 153,06
01/17/2003
03001
1"=350'
I-3
SITE LOCATION

Recent Unknown Date Aerial (Google Earth Image) N Ç



APPENDIX F

Previous Reports

PREVIOUS REPORTS

The following environmental reports and letters relevant to the Site and adjacent property were reviewed, summarized, and referenced and/or included in the report by EEC:

1. Wayne County Health Department, Land Evaluation Survey Form for Proposed Sanitary Landfill Area, Van Buren Development Company Landfill, Ecorse Road, Van Buren Township, Wayne County, Michigan; January 16, 1967.

2. Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Ecorse Road, Van Buren Township, Wayne County, Michigan; January 24, 1968.

3. Michigan Drilling Company, 14555 Wyoming Avenue, Detroit, Michigan, Soils exploration activities at Ecorse Road; February 2, 1968.

4. Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Ecorse Road, Van Buren Township, Wayne County, Michigan; March 21, 1968.

5. Van Buren Township Sand Removal and Fill Permit; April 11, 1968.

6. Letter to the Michigan Department of Public Health, Environmental Health Planning Unit, Division of Engineering, Lansing, Michigan; June 3, 1968.

7. Letter to the Michigan Department of Public Health, 3500 North Logan Street, Lansing, Michigan; July 30, 1968.

8. Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Ecorse Road, Van Buren Township, Wayne County, Michigan; August 1, 1968.

9. Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Ecorse Road, Van Buren Township, Wayne County, Michigan; August 1, 1968.

10. Letter to the Wayne County Health Department, Eloise, Michigan; August 5, 1968.

11. Letter to the Michigan Department of Public Health, 3500 North Logan Street, Lansing, Michigan, Van Buren Development Company, Van Buren Township, Wayne County, Michigan; August 13, 1968.

12. Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Van Buren Township, Wayne County, Michigan; August 20, 1968.

13. Wayne County Health Department Memorandum, Van Buren Development Company Landfill File, Van Buren Township, Wayne County, Michigan; August 27, 1968.

14. Wayne County Health Department Memorandum, Ferrantino's Landfill File, Van Buren Township, Wayne County, Michigan; September 18, 1968.

15. Wayne County Health Department Memorandum, Van Buren Development Corporation Landfill File, Van Buren Township, Wayne County, Michigan; October 29, 1968.

16. Wayne County Health Department Establishment File, Open burning complaint from Bruce Davis, Van Buren Township, Wayne County, Michigan; December 10, 1968.

17. Wayne County Health Department, Memorandum, Van Buren Refuse File, Van Buren Township, Wayne County, Michigan; December 12, 1968.

18. Letter to the Van Buren Development Company Landfill, Van Buren Township, Wayne County, Michigan; January 31, 1969.

19. Letter to the Michigan Department of Public Health, Environmental Health Planning Unit, Division of Engineering, RE: Van Buren Development Company Landfill, Ecorse Road, Van Buren Township, Wayne County, Michigan; March 13, 1969.

20. Michigan Department of Public Health, Application License for the Van Landfill, Wayne County, Michigan; April 1, 1969.

21. Michigan Department of Public Health, Letter to Mr. Ferrantino, Sludge residue from Dearborn Refinery Treatment of crankcase oils; April 28, 1969.

22. Memorandum, Ferrantino Landfill File, Disposal of liquid waste in the landfill; April 29, 1969.

23. Letter to Edward Kubiska, Township Engineer, Ypsilanti Township, 1165 Ecorse Road, Ypsilanti, Michigan; July 9, 1969.

24. Letter to Michael Ferrantino, RE: Van Buren Development, Inc., Van Buren Township, Wayne County; August 5, 1969.

25. Letter from Michael Ferrantino to the Michigan Department of Environmental Health, Division of Engineering, Lansing, Michigan; August 30, 1969.

26. Memorandum, Wayne County Health Department, Van Buren Development Company, 5070 Ecorse Road, Van Buren Township, Michigan; August 2, 1984.

27. GM Argonaut Realty, Letter to Environmental Protection Agency, RCRA Activities, Site Notification, Region V; February 3, 1988.

28. Michigan Department of Natural Resources, Environmental Response Division, No Further Remedial Action for Inspection Letter; February 17, 1989.

29. Letter to Tom McNulty, RE: Van Landfill excavation, Northeast Corner of Ecorse Road and Michigan Avenue, Van Buren Township, Michigan; October 8, 1993.

30. Corrective Action Plan (CAP), General Motors Service Parts Operations, 50000 Ecorse Road, Belleville, Michigan; March 11, 1994.

31. RE: CAP Addendum, General Motors Service Parts Operations, 50000 Ecorse Road, Belleville, Michigan; September 8, 1994.

32. RE: CAP Addendum, MDNR, General Motors Service Parts Operations, 50000 Ecorse Road, Belleville, Michigan; September 27, 1994.

33. EEC, Phase I Environmental Site Assessment (ESA), Vacant Land, Northeast Corner of Ecorse Road & Michigan Avenue, Van Buren Township, Michigan; August 28, 2002.

34. Blasland, Bouck & Lee, Inc. (BBL), Geophysical Investigation, Northeast Corner of Ecorse Road and Michigan Avenue, Van Buren Township, Michigan; July 11, 2003.

35. BBL Environmental Services, Inc. (BBLES), Letter Report for Clearing and Fence Installation, Northeast Corner of Ecorse Road and Michigan Avenue, Van Buren Township, Michigan; December 16, 2003.

(Use 65.3 for Operating Facility Inst tion)

Date 1-16-67

LAND EVALUATION SURVEY FORM
FOR
PROPOSED SANITARY LANDFILL AREA

County WAYNE Township VAN BUREN Section# 6

Site Location Property bounded by Ecorse Rd on south, Michigan Ave Bypass on west, and N.Y.C. RR. on north.

Name & Address of Developer Michael Ferrantino

Name & Address of Owner Michael Ferrantino

Areas to be Serviced Municipal Incinerator Residue Population —

Size of Property 80± Acres. Type of Terrain —
(rolling, flat, lowland, etc.)

Distance To: Residential Property — Public Gathering Place —

Public Highway Adjacent Nearest Well — (depth) —

Population Center —

Type of Soil: Sandy ✓ Gravel — Clay ✓ Other —

Water Conditions: Depth to water table See below Surface Water on Premises No.

Will proposed operation affect surface water runoff? No

Cover Material: Type Sand Sufficient on Property If not hauled away.

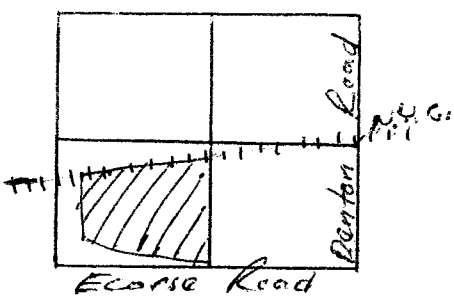
To be hauled in —

General: Will final elevation do damage to adjoining property? No

Access roads to property Adequate Proper zoning of Area —

Future Site Use Unknown Estimated Life of Property —

Section Location:



Section # 6

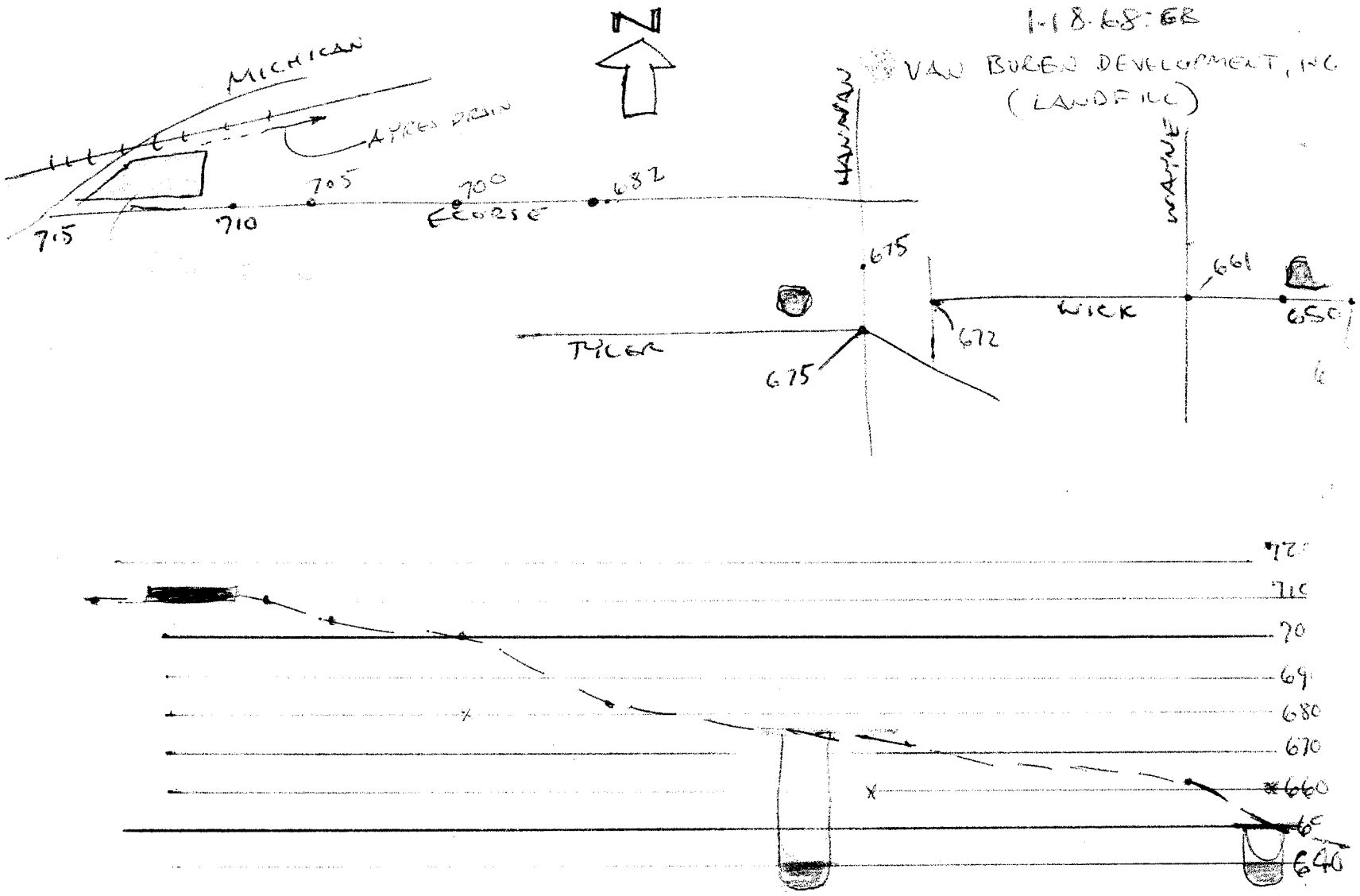
Notes and Recommendations on use of property Site presently used to mine for sand; limited excavation to about 15' below grade. Two or three feet of water in pits. Highway underpass adjacent to property free of water at approx 15' below grade. Mr. Ferrantino thinks (cover

Inspected By: Glenn Brown Representing: Wayne Co. Health Dept

Title: Public Health Engineer Address: Elaise, Michigan

D 65.6
8/66

water is local situation that can be permanently lowered. If not he may decid to build clay dikes to exclude ground water. He says that he now has Van Buren township permit to dispose incinerator ash at this site. I informed Mr. Ferrantino that he could not fi on this site to less than 2' above high water table. Mr. Ferrantino does not plan to fill at this site for at least several years unless closer sites are not useable for this purpose.


1-18-68: GB
VAN BUREN DEVELOPMENT, INC
(LANDFILL)
MICHIGAN
AIRCRAFT PARK
HAWAII
WAYNE
WICK
TYLER
EDGE
715
710
705
700
682
675
672
661
650
675
720
715
70
690
680
670
660
640

P

5560815

(313)

ARGONAT 554-7462

MARVIN DeDYNE

✓ ED PETERSON

554-5488

ROUTE: ES

MEMORANDUM

TO: New Landfill File - Van Buren Twp. January 24, 1968
(Temporarily to be called Ferrantino Landfill)
Section 6, Van Buren Township

FROM: Glenn Brown GB

On January 18, 1968 I visited the site in the southwest quarter of Section 6 of Van Buren Township which Mr. Ferrantino proposes to use as a sanitary landfill for disposal of municipal incinerator residue. I had previously visited this site with Mr. Ferrantino on January 16, 1967. Since Mr. Ferrantino's other operation in Brownstown Township will be terminated in the next several weeks he is most anxious to submit an application and secure a license to operate a landfill at this Van Buren property. At each visit I express to Mr. Ferrantino my concern about the elevation of the ground water table; and the need for him to secure reliable information on this elevation. We also discussed in some detail the specific information that will be required on the engineering plan and program of operation that he must submit with his application for license.

Mr. Ferrantino's filling permit from Van Buren Township restricts him to excavate to a depth no greater than 12 feet below elevation 101.0. That arbitrary elevation is established at the southern portion of Mr. Ferrantino's property at road grade. Because the topography generally rises toward the north Mr. Ferrantino may be excavating 15 or 16 feet at the northern end of the property. The northern portion of the property abuts the New York Central Railroad and the final grade will slope from the railroad elevation approximately three or four feet to the road grade at Ecorse on the southern portion of the property. In addition there will be some slope toward the east and then north toward the Ayres Drain.

In a telephone conversation subsequent to our visit to the site I indicated to Mr. Ferrantino that he should secure soil borings by a well driller or by a soils exploration firm at at least four locations on the 80 acre parcel. We discussed the desirability of placing three of these equidistant along the southern boundary of the property and one at the northeastern corner of the property. Mr. Ferrantino said that he would obtain such soils information to a depth of 25 feet at each location and would have his contractor submit a log of the soils and water conditions encountered at these locations.

Mr. Ferrantino's opinion is that he will have no difficulty with the permanent ground water table at this location. He bases this opinion on his knowledge of the general topography and water table conditions at the Wayne Sand and gravel pit near the intersection of Hannan and Tyler Roads in Van Buren Township and on his knowledge of his own sand mining operations on Wick Road approximately one-quarter mile east of Wayne Road. See the attached sketch indicating the two sand mining pits and the location for Mr. Ferrantino's proposed landfill.

MICHIGAN DRILLING CO.

Registered Professional Engineers
14555 WYOMING AVENUE
DETROIT 38, MICHIGAN
AREA CODE 313
933-9366 933-9367 933-9368

February 2, 1968

Mr. Mike Ferantino
147 Kingsbury
Dearborn, Michigan

Job No. 68-56

Subject: Soils Exploration
Ecorse Road
Ecorse, Michigan

Dear Mr. Ferantino:

In accordance with your instructions, we have performed a Soils Exploration on the site of the above referenced project.

Three (3) soil borings have been made in the locations directed on the plan provided, a photostatic copy of which is appended. The soil borings were drilled to depths of twenty-five feet (25') each, below the existing ground surface.

Heavy concentrations of ground water were encountered in the borings during the Soils Exploration at depths ranging from four feet, six inches (4'6") to five feet, six inches (5'6") below the present grade.

Detailed soil descriptions and other pertinent data are to be found on the accompanying soil boring logs.

If you have any further questions, please do not hesitate to call.

Very truly yours,

MICHIGAN DRILLING COMPANY

K. R. Hindo, P.E.

mc

JOB NO. 68-56 LOG OF SOIL BORING NO. 1

PROJECT Soils Exploration

LOCATION Ecorse Road
Ecorse, Michigan

DATE 1/24/68 SURFACE ELEV.

MICHIGAN DRILLING CO.

Registered Professional Engineers
14555 WYOMING AVENUE
DETROIT 38, MICHIGAN

Sample Type	Depth	Legend	SOIL DESCRIPTION	Blows For 6"	Moisture %	Natural Wt. P.C.F.	Unc. Comp. Strength PSF.	Transvers Shear P.S.
	2		Medium compact moist brown sand and gravel					
	4							
	6		4'6" Compact wet medium brown sand and gravel					
	8							
	10		8'0" Compact wet coarse gray sand					
	12							
	14		13'0" Stiff moist silty blue clay					
	16							
	18							
	20							
	22							
	24							
	26		25'0"					
	28							
	30							
	32							
	34							
	36							
	38							
	40							

TYPE OF SAMPLE
— DISTURBED
—UNDIST. LINER
—SHELBY TUBE
—SPLIT SPOON
—ROCK CORE
OTHER —

REMARKS:

Standard Penetration Test—Driving 2" OD Sampler 1' With 140 # Hammer Falling 30"; Count Made At 6" Intervals

GROUND WATER OBSERVATIONS

G.W. ENCOUNTERED AT	4	FT.	6	INS.
G.W. ENCOUNTERED AT		FT.		INS.
G.W. AFTER COMPLETION	3	FT.	0	INS.
G.W. AFTER	HRS.	FT.		INS.
G.W. VOLUMES	Heavy			

– 101 (REV.)

JOB NO. 68-56 LOG OF SOIL BORING NO. 2

PROJECT Soils Exploration

LOCATION Ecorse Road
Ecorse, Michigan

DATE 1/24/68 SURFACE ELEV.

MICHIGAN DRILLING CO.
Registered Professional Engineers
14555 WYOMING AVENUE
DETROIT 38, MICHIGAN

Sample Type	Depth	Legend	SOIL DESCRIPTION	Blows For 6"	Moisture %	Natural Wt. P.C.F.	Unc. Comp. Strength PSF.	Transvers Shear P.S.
	2		0'4" Medium compact moist sandy brown topsoil					
	4		Medium compact moist oxidized medium brown sand					
	6		5'6"					
	8		Compact wet medium brown sand and gravel					
	10		8'0" Compact wet coarse gray sand					
	12		11'6"					
	14		Stiff moist silty blue clay, occasional layers of gray sand					
	16							
	18							
	20							
	22							
	24							
	26		25'0"					
	28							
	30							
	32							
	34							
	36							
	38							
	40							

E OF SAMPLE
- DISTURBED
- UNDIST. LINER
- SHELBY TUBE
- SPLIT SPOON
- ROCK CORE
- ER —

REMARKS:

Standard Penetration Test—Driving 2" OD Sampler 1' With 140 # Hammer Falling 30"; Count Made At 6" Intervals

GROUND WATER OBSERVATIONS

G.W. ENCOUNTERED AT	5	FT.	6	INS.
G.W. ENCOUNTERED AT		FT.		INS.
G.W. AFTER COMPLETION	3	FT.	0	INS.
G.W. AFTER	HRS.	FT.		INS.
G.W. VOLUMES	Heavy			

101 (REV.)

JOB NO. 68-56 LOG OF SOIL BORING NO. 3

PROJECT Soils Exploration

LOCATION Ecorse Road
Ecorse, Michigan

DATE 1/24/68 SURFACE ELEV.

MICHIGAN DRILLING CO.

Registered Professional Engineers
14555 WYOMING AVENUE
DETROIT 38, MICHIGAN

Sample No. & Type	Depth	Legend	SOIL DESCRIPTION	Blows For 6"	Moisture %	Natural Wt. P.C.F.	Unc. Comp. Strength PSF.	Transvers Shear P.S.
	2		1'3" Compact moist medium brown topsoil					
	4		Compact moist oxidized medium brown sand					
	6		5'6"					
	8		Compact wet medium brown sand and gravel					
	10							
	12							
	14		13'6"					
	16		Stiff moist silty blue clay, occasional layers of wet sand					
	18							
	20							
	22							
	24							
	26		25'0"					
	28							
	30							
	32							
	34							
	36							
	38							
	40							

OF SAMPLE
DISTURBED
UNDIST. LINER
SHELBY TUBE
SPLIT SPOON
ROCK CORE
ER —

REMARKS:

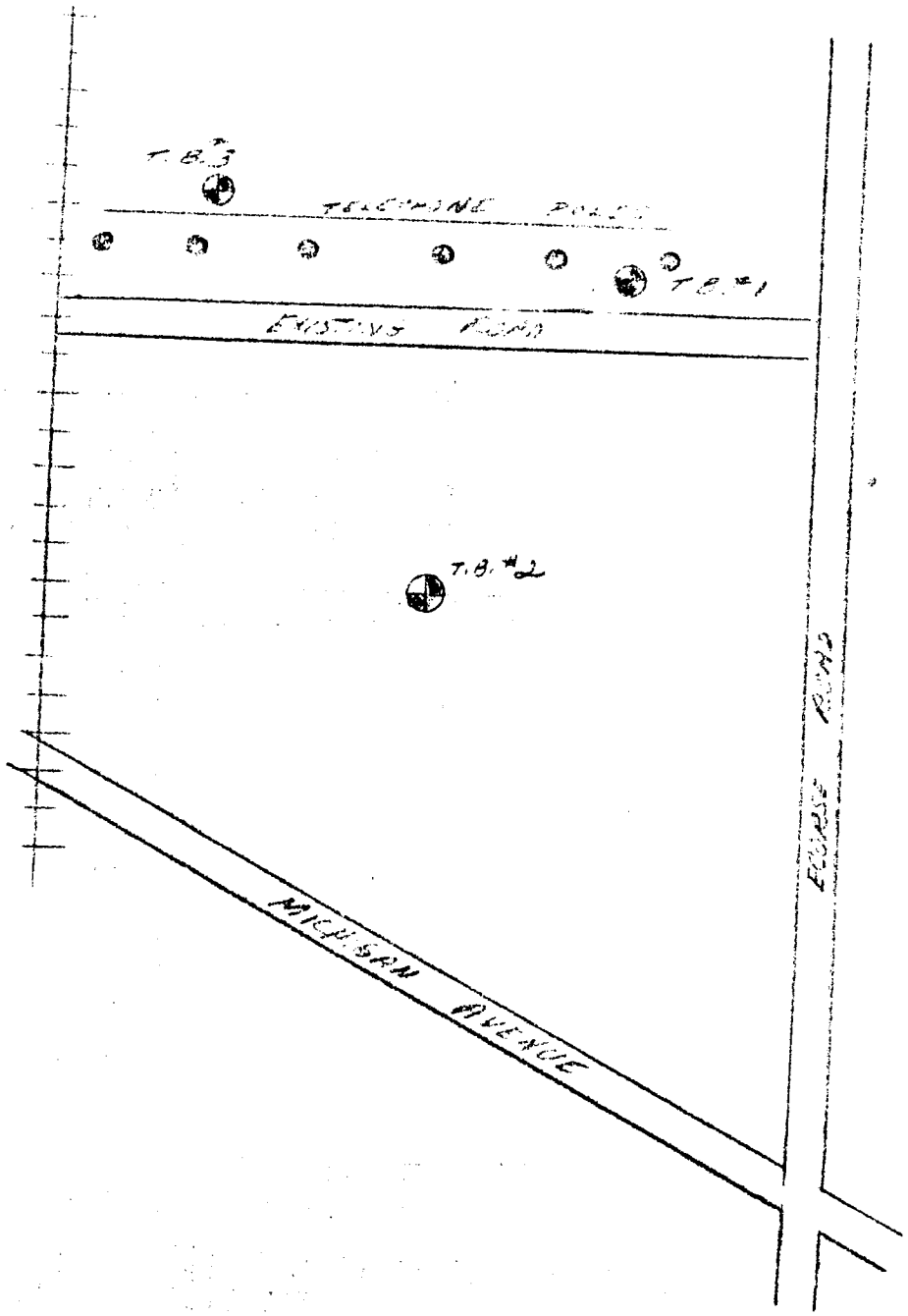
Standard Penetration Test—Driving 2" OD Sampler 1" With 140 # Hammer Falling 30"; Count Made At 6" Intervals

GROUND WATER OBSERVATIONS

G.W. ENCOUNTERED AT	5	FT.	6	INS.
G.W. ENCOUNTERED AT		FT.		INS.
G.W. AFTER COMPLETION	4	FT.	3	INS.
G.W. AFTER HRS.		FT.		INS.
G.W. VOLUMES	Heavy			

Michigan Drilling Company
14555 Wyoming Avenue
Detroit 38, Michigan
Job No. 68-56

Mr. Mike Ferantino
Soils Exploration
Ecorse, Michigan
February 2, 1968



VAN BUREN TOWNSHIP

SAND REMOVAL AND FILL PERMIT

Pursuant to an application filed before the Van Buren Township Board of Appeals on March 23rd, 1960, by the Van Buren Development Co., of 24605 Raven Street, East Detroit, Michigan, permission is hereby granted to the aforesaid company for the excavation of sand and the refilling of the excavation with suitable materials as hereinafter set forth.

1. The property covered by this permit is approximately eighty (80) acres more or less in section 6 in Van Buren Township, County of Wayne, State of Michigan, and carried on the tax rolls as Items 06Q1A, 06Q2A, and 06R2.

2. A Topographical Survey has been presented by the applicants and is made a part of this permit. Said Survey was made from a median mark of Wayne County Road Commission, Bench Mark#4-130-100.0. "Shots" were taken at 200 feet intervals along Ecorse Road, the nearest road adjacent to or abutting said property. There shall be no excavation at any point where the present elevation as indicated on the said Topographical Survey is below 101.00. However, at any point on the aforesaid property which is above 101.00 excavation of sand is hereby granted by this permit to proceed to a depth of 12 feet below the grade of 101.00, the excavation therefore for which this permit is granted shall not be below a point which is 12 feet below the present grade of 101.00 and the finished grade after complete excavation shall not therefore be below a grade of 101.00 minus 12 feet.

3. Permission is hereby granted to the Van Buren Development Co., to refill the aforesaid land to its present elevation as indicated on the Topographical Map which is part hereof, and that such fill shall consist of incinerator ash, clay, concrete, brick, plaster and all durable hard materials excluding wood, paper, or other burnables and that said land shall be left in a suitable condition for the growing of turf or for other uses permitted for this district under the Van Buren Zoning Ordinance.

4. That operations shall be limited only to those points on the Topographical Survey and made part of this permit which are shown to be in excess of 101.00 feet and to no other points.

5. That a $10,000.00 surety bond conditioned on compliance with this permit shall be filed with the Township Clerk, and that this permit shall not become effective until said bond is approved in writing by the Board of Appeals which approval shall be communicated to Van Buren Development Co.

6. This permit shall not be assignable, transferable or sold without further express consent in writing by the Van Buren Township Zoning Board of Appeals.

7. There shall be no excavation or removal of top soil, earth or sand within thirty feet of any adjoining private property line leaving a graduated slope of 45°.

8. That no water, ice or unsatisfactory matter shall be permitted to stand or accumulate in any excavation during the life of this permit, or upon completion of operation; and said land shall be graded, so as to provide proper drainage in such manner as to prevent the standing of water.

9. That the owner or contractor grants the Township, through its duly authorized agents, to enter upon the afore-described land for the purpose of bringing the land into compliance with the terms of this permit in the event the owner and/or contractor shall fail to do so.

10. That inspections are to be made at least once each month, the cost of said inspections which he shall pay to the Township Building Inspector within five (5) days after receipt of billing. Said costs to be Fifteen ($15.00) Dollars for each monthly inspection.

11. That safety precautions shall be maintained as agreed from time to time between the Building Inspector and Van Buren Development Company. Any dispute in relation to the same is to be referred to the

Board of Appeals in writing, who shall have the right to order operations to cease until dispute is resolved.

12. That trucks shall not be loaded to the extent that material will scatter upon the roads, streets and highways.

13. That all operations on the site shall cease between the hours of 6:00 P.M. ~~Saturday to 12:01 A.M. Monday~~. TO 8AM - NO SUNDAY OPERATION R.L. WW a.b. P.S.

14. That no nuisance be created on the premises.

15. That Van Buren Development Company will abide by all the terms and conditions of this permit.

16. That the Van Buren Township Board of Appeals shall be the governing body over the operation under this permit, and shall have the right at its discretion to insist on a new complete Topographical Survey or a spot Topographical Survey at any time it feels the Van Buren Development Company is in violation of the terms and conditions of this permit; and that the Van Buren Development Company will supply such Topographical Survey within two weeks of said request, being mailed in writing, registered mail, return receipt requested; and that the cost of said survey shall be borne by the Van Buren Development Company.

17. That this permit shall be for a period of one year and shall be renewable upon the payment of an additional one hundred ($100.00) dollars to the Township of Van Buren and shall be so renewable until the expiration of ~~the operation~~. A FIVE YEAR PERIOD R.L. WW a.b. P.S.

18. It is further agreed that any use of the land in violation of the terms of this agreement is hereby declared to be a nuisance per se, and the Board of Appeals upon a receipt of a report of any such violation to the Van Buren Development Company and its surety, either personally or by registered mail, to proceed forthwith to abate such nuisance and to charge

the cost of same to Van Buren Development Company or its surety.

19. This permit shall not become effective until endorsed thereon by Van Buren Development Company, that it accepts the findings of this Board and that it will be bound thereby and with all of the conditions of this permit.

20. It is understood that should the Van Buren Development Co. fail to provide a Topographical Survey when so requested by the Board of Appeals, the Board of Appeals shall have one made and the Van Buren Development Company shall pay all costs and expense incurred in the promulgation of said survey. Failure of Van Buren Development Company to pay for same within two weeks of billing shall result in the immediate cancellation of this permit and the forfeiture of its bond.

21. The foregoing permit is binding upon all the parties hereto, their successors in office, their heirs, executors, administrators and assigns.

We, the Board of Appeals of Van Buren Township do hereby grant permit, subject to the terms and conditions stated.

Board of Appeals, Van Buren Township

By _____

_____

_____

We the undersigned, respectively, president and secretary of the Van Buren Development Company, have read the foregoing permit and conditions and accept the same, and will be bound thereby and comply with all the conditions and requirements of this permit.

Van Buren Development Company

By _____ Pres.

_____ Sec.

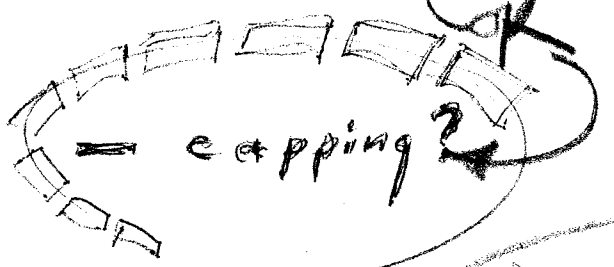
Subscribed and sworn to before me this 11 day of April, A.D., 1966.

_____ My Comm. expires: 8-28-67

Notary Public, Wayne County Michigan

(1) Observation wells not to be steel pipe

use plastic — drive auger to remove soil, then insert perf. plastic casing



(2) Conc. pad ? — Rest of Huron Valley Steel

(3) Size bucket on dragline — 2 yd

(4) ~~Copy of V.B. Twp. permit~~ — To Be Delivered

(5) ~~House next door~~ — Eight weeks (5 2 26

(6) Chas on-site daily resp. for operations

Ed Padula — works for Mike

collecting tickets; field bookkeeping, etc

2-20-68

GENERAL

(1) Put Title Block on Sheet #1
- a) Name of Disposal Site
- b) Owner " "
- c) Licensee Name

W.C.H.D. 2-5-68

(2) Renumber Detail Sheet "2" of 2

(3) At top right of sheet "1" add an area map showing: Michigan Ave, Denton Rd, Fearse Rd, RR, Willow Run Airport, County line, Disposal Site

(4) Ditch around perimeter of fill area is to drain to NE corner at pump site. Show elevations of bottom of ditch each 500 feet along ditch centerline. Show detail of sump near pump site. Show cross-section through perimeter ditch (typical). Show invert elevation at access road over perimeter ditch. How will ditch be dewatered during construction of clay dikes?

see sketch

(5) Excavation for ditch and clay dikes will need to be wide enough to provide minimum width of clay dike of five (5) feet at top of ground water. Clay dike to be keyed into existing clay at least one foot.

see sketch

(6) Section X-X and Typical Cell Construction Detail show impervious soil used for daily and final cover. This is not necessary. Granular soils are acceptable.

(7) Actual ground water table elevations at the test borings should be shown on boring logs

(8) Provide four observation wells - 4" ϕ or 6" ϕ casings driven through the sand and into clay. Casings to be perforated or slotted throughout sand strata below water table. Caps with locks to be provided on top of casings - with top of casing to be at least two feet above finish grade. Locations:

a) East R; 300' north of S. R
b) " " ; 1000' " " " "
c) South R; 600' west of E. R
d) Southwest R; approximately 300' NW of Access

(9) Change note on plot plan: "until water pumped to lowest level obtainable." - NOT ACCEPTABLE. most elevated each cell prior to filling.

(10) Change note on Dumping Rod & Bulk Unloading.

NOTES

A. ✓ LEGAL DESCRIPTION OF PROPERTY

B. DETAILED DESCRIPTION OF OPERATIONAL PROCEDURE
- ✓ Who is responsible for what
- ✓ Who does what
- Whose equipment to be used

C. ✓ FUTURE USE OF SITE

D. TYPE & PURPOSE & SIZE OF STRUCTURES TO BE BUILT

E. ✓ LOCATION & EXTENT OF STOCKPILES OF TOPSOIL

F. ✓ CLAY DIKE CONSTRUCTION METHOD: MSHD ONE-FOOT LAYER METHOD FOR EXTERIOR DIK

G. ✓ CLAY DIKES AROUND CELLS #1, 2, 3 TO BE COMPLETED BEFORE ANY FILLING

H. ✓ ESTIMATED AMOUNT OF INCINERATOR RESIDUE TO BE RECEIVED

I. ✓ LISTING OF EQUIPMENT TO BE USED ON SITE - INCLUDING SEPERATOR & TRUCKS

J. ✓ ELECTRIC PUMP CAPACITY (gpm) ~~EXACT SPECIFICATIONS~~

K. ✓ How LONG WILL UNPROCESSED RESIDUE BE ON SITE?

L. ✓ FREQUENCY OF FERROUS METAL REMOVAL FROM SITE

M. ✓ FILLING PROCEDURE IN THE CELLS (detail this note)
- start filling at south end
- bottom of cell to slope north - with portable pump to remove all rain water prior to filling
- etc

N. ✓ ACREAGE OF CELLS #1, 2, 3 (EACH) APPROXIMATE

~~O. SKID MOUNTED LIGHTS FOR AFTER DARK DUMPING/SPREADING~~

2-5-68

MEMO

TO: VAN BUREN DEVELOPMENTING LANDFILL
FROM: GLENN BROWN

1. PLANS FOR PROPOSED LANDFILL IN SECTION 6, VAN BUREN TWP. WERE REVIEWED
2. COMMENTS DISCUSSED TODAY WITH MR. M. PERRANTINO; AND HE WAS GIVEN COPIES (2) OF NOTES ATTACHED TO THIS MEMO.
3. FROM HIS DATA IT APPEARS (SEE LAST SHEET ATTACHED) THAT INITIAL THREE CELLS WILL TAKE APPROXIMATELY SEVEN MONTHS TO FILL. IF FILLING STARTS SHORTLY THESE CELLS WILL BE COMPLETED WHEN NEXT LICENSE DUE AUGUST 31, 1968.

2-5-68-GD

INCINERATOR RESIDUE FROM CITY OF DETROIT MUNICIPAL INCINERATORS

FROM JAN 28 THROUGH ~~FEB~~ 21, 1968

TOTAL 24 CALENDAR DAYS
LESS 4 SUNDAYS

ASSUME: 20 DAYS PLANT OPERATING

TOTAL YARDAGE FOR PERIOD: (M. FERRANTINO FROM CITY OF DETROIT)

30,722 CUBIC YARDS

$\therefore \frac{30,722 \text{ CU. YDS.}}{20 \text{ DAYS}} = 1,536 \text{ CU. YDS./DAY}$ RESIDUE GENERATED

ON THIS BASIS:

PROPOSED CELLS #1, #2, & #3 AT VAN BUREN DEVELOPMENT CO LANDFILL WILL EACH TAKE

$\frac{300' \times 100' \times 16' \text{ DEEP}}{27 \text{ CU. FT/CU YD.} \times 1550 \text{ CU. YD/DAY}} = 30.6$ WORKING DAYS

BUT, OF RESIDUE RECEIVED SOME 40% METALS EXTRACTED, AND REMAINDER IS COMPACTED IN FILL.

$\therefore$ 30 days $\div 50\%$ (IN-PLACE RESIDUE VOLUME) $\times \frac{7}{6}$ CALENDAR DAYS / WORKING DAYS =

$\frac{30}{.5} \times \frac{7}{6} = 70$ CALENDAR DAYS OR $2\frac{1}{3}$ CALENDAR MONTHS

① Attach copy of VanBuren permit to fill

② ? ? WEST CORNER TO BE FILLED (FRONT 200') WITH UP TO 7 FEET OF WHAT? EARTH? ASH? (@ 109.0 107.0 etc)

SEE NOTE: GRADE SLOPE TO EXISTING GROUND at R.O.W. LINE

MEMORANDUM

TO: File March 21, 1968

FROM: Glenn Brown

SUBJECT: Van Buren Development Company Landfill

On March 14, 1968, I visited the site of this landfill to determine the operating conditions and the extent of site preparation. I found that the access road has been essentially completed. Some additional brick bats will be placed on top of this to develop a better driving surface and a mud free condition. Huron Valley Steel Company has completed erection of its magnetic separation unit and this processing unit is now in use. Disposable residue from the separation unit is being dumped back in the tree line above the original grade. A drag line was in use excavating for the first clay-lined cell. Excavations over half the width of the cell had proceeded down to about four or five feet below the water level. The drag line will need to make another pass on the other side to open up the second half of the cell then will begin to develop the clay banks around the edge of the cell.

After returning to the office I talked to Mike Ferrantino by phone about the site preparation activities. It is his opinion that the first cell will be completed and lined with clay within a week to 10 days. At that point he will de-water the cell and begin depositing all separator residue into this cell. Mr. Ferrantino now has one pump on the site and he will be securing another one to de-water this cell and subsequent cells during the site preparation stage. I expressed my concern to Mr. Ferrantino about his ability to actually build water-tight cells under the existing ground water conditions on the site. He remains as confident as earlier that this can be accomplished with a minimum of time and difficulty. I also told him that if this does not prove feasible that he will need to find another site to dispose of the incinerator ash now being delivered at this location.

Mr. Ferrantino has moved a small house onto the site adjacent to the access road. This will be used as a control point for vehicles and personnel entering the site. At present Mr. Ed Padala is Mr. Ferrantino's representative on the site. Mr. Floyd Lee represents the Huron Valley Steel Company on the site. As yet there is no telephone or electric power into the building.

gl

VAN BUREN TOWNSHIP

SAND REMOVAL AND FILL PERMIT

Pursuant to an application filed before the Van Buren Township Board of Appeals on March 23rd, 1966, by the Van Buren Development Co., of 24605 Raven Street, East Detroit, Michigan, permission is hereby granted to the aforesaid company for the excavation of sand and the refilling of the excavation with suitable materials as hereinafter set forth.

1. The property covered by this permit is approximately eighty (80) acres more or less in section 6 in Van Buren Township, County of Wayne, State of Michigan, and carried on the tax rolls as Items O6Q1A, O6Q2A, and O6R2.

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4. That operations shall be limited only to those points on the Topographical Survey and made part of this permit which are shown to be in excess of 101.00 feet and to no other points.

5. That a $10,000.00 surety bond conditioned on compliance with this permit shall be filed with the Township Clerk, and that this permit shall not become effective until said bond is approved in writing by the Board of Appeals which approval shall be communicated to Van Buren Development Co.

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7. There shall be no excavation or removal of top soil, earth or sand within thirty feet of any adjoining private property line leaving a graduated slope of 45°.

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9. That the owner or contractor grants the Township, through its duly authorized agents, to enter upon the afore-described land for the purpose of bringing the land into compliance with the terms of this permit in the event the owner and/or contractor shall fail to do so.

10. That inspections are to be made at least once each month, the cost of said inspections which he shall pay to the Township Building Inspector within five (5) days after receipt of billing. Said costs to be Fifteen ($15.00) Dollars for each monthly inspection.

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Board of Appeals in writing, who shall have the right to order operations to cease until dispute is resolved.

12. That trucks shall not be loaded to the extent that material will scatter upon the roads, streets and highways.

13. That all operations on the site shall cease between the hours of 6:00 P.M. ~~Saturday to 12.01 A.M. Monday~~. TO 6AM - NO SUNDAY OPERATION R.W. W.D.V. A.B. P.S.

14. That no nuisance be created on the premises.

15. That Van Buren Development Company will abide by all the terms and conditions of this permit.

16. That the Van Buren Township Board of Appeals shall be the governing body over the operation under this permit, and shall have the right at its discretion to insist on a new complete Topographical Survey or a spot Topographical Survey at any time it feels the Van Buren Development Company is in violation of the terms and conditions of this permit; and that the Van Buren Development Company will supply such Topographical Survey within two weeks of said request, being mailed in writing, registered mail, return receipt requested; and that the cost of said survey shall be borne by the Van Buren Development Company.

17. That this permit shall be for a period of one year and shall be renewable upon the payment of an additional one hundred ($100.00) dollars to the Township of Van Buren and shall be so renewable until the expiration of ~~the operation~~. AT FIVE YEAR PERIOD R.W. W.D.V. A.B. P.S.

18. It is further agreed that any use of the land in violatinn of the terms of this agreement is hereby declared to be a nuisance per se. and the Board of Appeals upon a receipt of a report of any such violation to the Van Buren Development Company and its surety, either personally or by registered mail, to proceed forthwith to abate such nuisance and to charge

the cost of same to Van Buren Development Company or its surety.

19. This permit shall not become effective until endorsed thereon by Van Buren Development Company, that it accepts the findings of this Board and that it will be bound thereby and with all of the conditions of this permit.

20. It is understood that should the Van Buren Development Co. fail to provide a Topographical Survey when so requested by the Board of Appeals, the Board of Appeals shall have one made and the Van Buren Development Company shall pay all costs and expense incurred in the promulgation of said survey. Failure of Van Buren Development Company to pay for same within two weeks of billing shall result in the immediate cancellation of this permit and the forfeiture of its bond.

21. The foregoing permit is binding upon all the parties hereto, their successors in office, their heirs, executors, administrators and assigns.

We, the Board of Appeals of Van Buren Township do hereby grant permit, subject to the terms and conditions stated.

Board of Appeals, Van Buren Township

By: R. E. Wallgren

K. Womack

Mrs. Van De Car

We the undersigned, respectively, president and secretary of the Van Buren Development Company, have read the foregoing permit and conditions and accept the same, and will be bound thereby and comply with all the conditions and requirements of this permit.

Van Buren Development Company

By Anthony J. Bonici Pres.

Philip Stamigler Sec

Subscribed and sworn to before me this 11 day of April, A. D., 1966.

Notary Public, Wayne County Michigan

My Comm. expires: 8-28-67

Rou

Landfills - General

June 3, 1968

Mr. Richard L. Hadfield, Sanitarian
Environmental Health Planning Unit
Division of Engineering
Michigan Department of Public Health
Lansing, Michigan 48914

Dear Mr. Hadfield:

Re: Closing of Certain Solid Waste Disposal Sites

Attached to this letter is a copy of the "Information Sheet Regarding Closed Solid Waste Disposal Sites." For your information I will very briefly discuss each of the sites which have been closed recently.

The three sites closed by legal action are the Munn Contractors Landfill on Racho Road in Taylor Township, the Mendrek Commercial Dump on Ecorse Road in Romulus Township, and the Satterlee Construction Company Landfill on Ecorse Road in Romulus Township. The closing of the Munn Landfill and the Satterlee Landfill were based on a large part on local ordinance requirements. The Mendrek Dump closed on the basis of a Wayne County Circuit Court Order.

The two sites closed voluntarily by the operators were the Burroughs Corporation Dump on Haggerty Road in Plymouth Township and the Erving Brown Landfill on East Huron River Drive in the City of Flat Rock. The Burroughs dump has been completely terminated, graded, and covered with earth. This Department has written Mr. Erving Brown ordering him to cease operations at his site.

The two sites closed because space was used up are the Wayne Disposal Landfill on Pennsylvania Road in Brownstown Township and the Melvindale City Dump along the Rouge River in the City of Melvindale. The Pennsylvania Road landfill accepted only incinerator residue, and is now essentially completed and for the most part covered with earth. The Melvindale Dump is not closed as of this date, but will be during the month of June because the Rouge River will be re-routed through the site by the U. S. Army Corps of Engineers.

The four new sites open since Act 87 was passed are the M.C. Landfill on Lilley Road in Canton Township, the Central Wayne County Sanitation Authority Landfill in Huron Township, the Hardfill Dump on Judd Road in Sumpter Township, and the Van Buren Development Company Landfill on Ecorse Road in Van Buren Township. Plans and applications for license for the latter

landfill are now being processed at this office. In addition to these, the Detloff Disposal Company has received a license for a landfill in Brownstown Township, but this has not actually materialized as of this date. We have also received an application, but no engineering plans as yet, for a disposal license for a landfill at the National Airport property on Ford Road in the City of Westland.

Very truly yours,

Glenn Brown, Assistant Director
Division of Environmental Health

GB:gl

Enclosure

July 30, 1968

Mr. Fred Kellow
Michigan Department of Public Health
3500 North Logan Street
Lansing, Michigan 48914

Dear Mr. Kellow:

Enclosed with this letter are an application for Solid Waste Disposal Area License, a surety bond with attached power of attorney, engineering plans for the proposed landfill, and machine copy of Van Buren Township Sand Removal and Fill Permit.

It is this Department's recommendation that a Solid Waste Disposal Area License be issued for this operation with the following stipulations:

1. Spread and compact incinerator residue or demolition wastes as they are received. At the end of each days operation cover with a minimum of six inches of earth.

2. Install observation wells within the next 60 days.

3. Expedite work on drainage ditch and clay barrier around the limits of the fill site.

Please return one copy of the approved plans to Mr. Ferrantino and one copy to this Department for our use in file.

Very truly yours,

Glenn Brown, Assistant Director
Division of Environmental Health

GB:bb

Enc.

File: Chron.

Van Buren Development, Inc.

MEMORANDUM

DATE: August 1, 1968

TO: File - Van Buren Development Company Landfill, Van Buren Township

FROM: Glenn Brown

On May 23, 1968 I met Mr. Ferentino at this landfill. He is presently filling cell No. 1 with both demolition wood and processed incinerator residue. The sides of the cell are lined with clay. His dragline is now beginning to excavate cell No. 2. He expects to be able to complete excavation and lining of cell No. 2 before cell No. 1 is completely filled and covered.

No additional work has been undertaken on the major drainage ditch and clay barrier around the periphery of the site. Some sand is being sold from the premises; and I told Mr. Ferentino that he will be required to maintain the daily and final cover with earth whether it is from the site or if it needs to be trucked in at some future date. He is convinced that there is surplus sand and he will have no difficulty with cover material. It is true that he can excavate deeper into the clay and use this for cover material if necessary. In fact, he intends to mix the clay and sand on the site and use this as his cover material.

We again discussed the poor observation wells which are on the plans for this landfill. He will shortly secure materials and install these wells.

The fire which started over the last weekend consumed most of the stock piled demolition wood. Mr. Ferentino is now in the process of moving the remainder of the stock pile demolition wood into cell No. 1 for burial. All currently received demolition wood is being buried immediately; and future major fire potential should be minimized by this process.

I indicated to Mr. Ferentino that I would be sending the plans application for license and our recommendation to the State Health Department for licensing in the near future.

GB:slw

therefore the material is still accumulating on the site. There have been several small fires; and therefore I asked Mr. Ferentino what precautions he was taking to prevent all of this material from burning. He said that he planned to dig some special trenches and bury his material in the near future.

GB:fl/ale

File: Chron.

Van Buren Development, Inc.

MEMORANDUM

DATE: August 1, 1966

TO: Van Buren Development Corporation Landfill File
Rearse Road, Van Buren Township

FROM: Glenn Brown

On Thursday, April 14, 1967 I visited this landfill to determine its operating condition. I found that the dragline is being used to complete sand removal from cell No. 1. Mr. Ferantino expects this sand removal to be completed in the next two or three days; and then the dragline will be used to remove clay from the bottom of the cell and throw this clay up on the banks to create a barrier wall around the cell. After this clay wall is completed the water will be pumped out and incinerator residue will be deposited in a typical sanitary landfilling manner within the cell. During filling of cell No. 1 the dragline will be used to excavate future cells.

I walked around a good portion of the site and found that the perimeter ditch has been partially dug along the north property line. It is now completed approximately eight feet below grade over this mutual boundary with the railroad right-of-way. The electric pump is available at the northeast corner of the site but is not useable because Detroit Edison Company has not installed its meter. A gasoline driven portable pump is available for use in dewatering the trench or cell if necessary.

Mr. Ferantino has been preoccupied the last week or so with activities at the Penn Landfill where he is attempting to completely finish off that operation. Consequently he has not given his full attention to the Van Buren Landfill; and this is evident because regular daily covering of the processed incinerator residue has not been put in place. The residue is now being deposited west of cell No. 1, well above the water table. I told Mr. Ferantino that he must promptly make arrangements so that either the Huron Valley Steel Corporation or his own crews will provide the required earth cover.

A considerable amount of demolition wood and other demolition materials and wood chips have been delivered and are stock piled along the northern boundary of the site. This material has accumulated so that an area of seven or eight-hundred feet by two-hundred feet is stock piled from five to eight feet high and another adjoining area perhaps four-hundred feet by four-hundred feet has a similar accumulation of this material. Mr. Ferantino's original intention was to use this to help burn off scrub trees which he is knocking down on the site. After discussion with Cliff Andrus he found he could not do this and

file: VAN BUREN DEVELOP CORP
LANDFILL

XXXXXXXXXX
STATEMENT

MICHAEL FERRANTINO, PRES.

XXX-8621X
XXXXX-8215XX
482-4311

Wayne Disposal, Inc.

147 KINGSBURY
DEARBORN, MICHIGAN

August 5, 1968.

Wayne County Department of Health
Health Center
Eloise, Mich. 48132.

Dear Sirs:

Reference is made to the Notice of Violations number 140, dated July 18, 1968 issued by your office and pertaining to the open burning at the land-fill operation located on Ecorse Road in Van Buren Township.

Your orders for corrections have been duly noted and every effort will be made to prevent burning at this site.

Effective immediately, we have issued orders for closer examination of the loads of incinerator ashes being shipped by the City of Detroit. Any truck showing evidence of a fire will be returned to the originating incinerator plant. The City of Detroit has been so advised.

Further, with the recent purchase and delivery of new equipment, we will be able to cover the land-fill area on a daily basis.

This action, we are sure, will help prevent future accidental fires.

Yours truly,

Michael Ferrantino

Michael Ferrantino

File: C[illegible]onol

Establishments

August 13, 1968

Mr. Fred Kellow
Michigan Department of Public Health
3500 North Logan Street
Lansing, Michigan 48914

Dear Mr. Kellow:

Attached engineering plans for the Van Buren Development Corporation Landfill in Van Buren Township, Wayne County were not mailed as intended with our letter of July 30, 1968.

We again recommend that a license be issued with the stipulations in that letter.

Very truly yours,

Glenn Brown, Assistant Director
Division of Environmental Health

GB:la

Enclosure

ROUTE: BD
MA
ES

File Chronol

Van Buren Development Company Landfill

MEMORANDUM

August 20, 1968

TO: File - Van Buren Development Company Landfill
Ecorse Road - Van Buren Township

FROM: Glenn Brown

1. On August 15, 1968 I visited this landfill to determine its operating conditions. It appeared that the operator is doing a satisfactory job of constructing the trenches. His dragline is excavating off the sand over the clay and then going down approximately 12" into the clay and using the removed clay as lining material for the top of the trenches around the sand rim. Trench number 1 has been completely filled except for a few feet at the north end. Mr. Farentino plans to fill this in shortly and then complete covering of this trench. Trench number 2 is filled to roughly two thirds capacity; and the dragline is now beginning to excavate clay and line the banks of trench number 3.

2. There are three places where water is leaking through refuse; and two of these can be considered problem areas. At the north end of the property where incinerator residue has been filled into the peripheral ditch there is an impoundment of water behind a clay dike. The water is black and obviously has been leased from the incinerator residue. There is a very small trickle of material through the clay dike. I suggested to Mr. Farentino that he pump the leakage into trench number 1 and then complete filling of the area behind the clay dike so that this will no longer be a problem. Another location where this is a problem is just east of the entrance road and perhaps 400 feet north of the patrole building. The Huron Valley Steel Company had been extracting various metals from incinerator residue. About two months ago the Huron Valley Steel Company stopped this operation and left a large accumulation of processed and unprocessed incinerator residue. To satisfy Van Buren Townships insistance that these materials be buried promptly Mr. Farentino opened up a new small trench and pushed the accumulated processed and unprocessed material into this trench which was not lined with clay. There definitely will be leaking of decomposable and corroded materials into the water but in view of the long distances this material would have to travel there should be no evident problem created by this situation. The third leaking area is at the far northwest corner of the site where a portion of the peripheral trench has been banked off and incinerator residue and domestic refuse from the City of Dearborn and perhaps other locations is deposited into the water. Because this area is lined with clay there should be no problem with polluted water leaving the site.

3. As indicated above, Mr. Farentino has accepted material other than incinerator residue. The City of Dearborn is bringing material to this location from its transfer station and I observed a considerable amount of unburned office waste from the Ford Motor Company. I discussed these problems with Mr. Farentino by phone on August 15, 1968 and in our office the morning of August 16, 1968.

4. At the time of my visit the City of Dearborn Transfer Rig was delivering refuse and dumping on the site. This was tractor number 379 with state license plate number X63567 and trailer number 718 with state license plates number X63718. Its load was dumped approximately 200 feet south of the New York Central Railroad Bridge over the Michigan Avenue bypass.

5. I indicated to Mr. Farentino that this department expects appropriate modifications of the present conditions at this landfill so that all statutory requirements are met by August 23, 1968. I also indicated that I would visit the site in the middle of the week, probably Wednesday or Thursday to determine progress and decide whether or not this department needs to take any legal action to insure the absence of nuisances or health problems caused by this landfilling operation.

GB:alw

MEMORANDUM

To: File

From: Glenn Brown

Subject: Van Buren Development Company Landfill
Van Buren Township

On August 27, 1968 I visited this landfill at the request of Mr. Michael Farentino, operator. Refuse is no longer being dumped into water. There are two or three small areas that had not been adequately covered. Mr. Farentino said that he would have these areas covered within the next few days.

All of cell #1 has been covered with earth. However, it is not yet of final grade and several more feet of refuse will be dumped primarily at the north end of the cell. Cell #2 is essentially at finish grade but there is a very small portion at the north end that needs to be filled and covered. It appears that there is an acceptable amount of cover being placed on the refuse in this cell.

The 2 cu. yd. dragline is excavating clay from cell #3; and lining the banks above the clay layer. Mr. Farentino expects cell #3 excavation and lining to be completed within the next week. He will then pump all of the water from this cell and be prepared for deposition of refuse at this location.

Provided the operation continues at the level of the present time, I see no reason why the landfill cannot be relicensed. There is no evidence of recent open burning on the site. Mr. Farentino claims to have turned back a good number of smoldering or burning loads. He said that he would shortly install the observation wells which are on engineering plans and which are required by his current license.

Another visit August 29, 1968 showed continued good operating procedures. The east half of cell #3 was nearly completed, and the crane operator expected to begin excavating clay on the west half shortly after Labor Day. A series of 35 mm Kodachrome slides was taken of this trench construction.

ROUTE: GB
ES

File: Chron.
Landfill

MEMORANDUM

TO: File - Ferrantino's Landfill

FROM: Mike Andrews

On September 18, 1968 I visited the landfill and found that there is no burning present and that the landfill operation was fairly good. The only problem present was that the refuse was not completely covered each night. While I was there a crane was digging out a ditch parallel to the refuse that was now being dumped near the rear of the landfill. A portable pump was being used to empty the water that accumulated in this ditch into a ditch perpendicular to it at the rear of the landfill.

MEA:alw
9/23/68

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENGINEERING

TO:
Michigan Department of Public Health
Division of Engineering
3500 North Logan Street
Lansing, Michigan 48914

DO NOT WRITE IN THIS SPACE
Bonding Co. The American Insurance Company
Agent Steinhoff, Maas & Whitelaw
Address Detroit Branch Office
License No. 4460
Bond Value $5,000.00
Loc. Code

APPLICATION FOR SOLID WASTE DISPOSAL AREA LICENSE

(See back of last copy for instructions)
(Fill out in triplicate)

☒ new ☐ renewal ☐ addition

Application is hereby made to the Director, Michigan Department of Public Health, for a license to operate a solid waste disposa area under the provisions of Act 87, P.A. 1965.

Date October 3, 1968.

NAME OF DISPOSAL AREA Van landfill Size 10 acres (acres)

LOCATION Wayne (county) Van Buren (city, village or township) (section)

50700 Ecorse Road Belleville, Mich. 48111
(address or additional location description)

NAME OF PROPERTY OWNER Van Buren DeVolopment Address 50700 Ecorse Road Belleville, Mi 48111
(individual, firm, township, city, etc.) (include zip code)

NAME OF OPERATOR Michael Ferrantino Address 147 Kingsbury - Dearborn, Mich.
(include zip code)

RESPONSIBLE PERSON TO CONTACT (if other than operator)

Address (include zip code)

TYPE OF DISPOSAL OPERATION: (If more than one area involved file separate application for each)

☒ Sanitary Landfill ☐ Hog Feeding
☐ Incineration ☐ Other (specify)

TYPE OF MATERIAL HANDLED: (check one or more)

☒ General Refuse ☐ Garbage ☐ Industrial Waste ☐ Liquid Waste ☐ Rubbish ☐ Other (specify)

FEE: The required annual license fee of $25.00 ☐ is ☐ is not attached.
(governments and agencies thereof exempt.)

BOND: The power of attorney and bond in the amount of _____ is attached.
(bond of $500.00/acre, minimum bond $2500.00)

I hereby certify that the foregoing information is accurate and complete

Michael Ferrantino President
(signature and title of applicant)

Any disposal operation possibly involving the use of the waters of the State also requires the submission of a new or increased us statement to the Water Resources Commission as provided by Act 245, P.A. 1929 as amended

Acknowledgment of receipt of annual $25.00 license fee received by me on

_____ 19__

Signature _____

Title _____

WAYNE COUNTY HEALTH DEPARTMENT OCT 1968 CASHIER

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
Leave This Space Blank
EXAMINED
Complies with P.A. 1965
MAR 31 1969

D65.2 – 2M – 1/66

MEMORANDUM

TO: Van Buren Development Corporation Landfill File, Van Buren Twp.

FROM: Glenn Brown

DATE: October 29, 1968

An earth barrier approximately six feet high has been placed along the property line just north of Ecorse Road to at least partially shield the operation from cars on Ecorse Road.

Refuse being received includes incinerator residue, demolition wastes and typical municipal refuse from at least the City of Dearborn. This material is all being deposited in the same location with no attempt at separation. Huron Valley Steel Corporation is not extracting ferrous metals from the incinerator residue at this time.

Refuse is presently being placed at the south end of Cell No. 3. See attached sketch. The drag line is completing sand removal from trench No. 4. At the time of my visit, it appears that the drag line operator would shortly begin excavating clay to line the sides of this trench.

Several problems were evident at the time of my visit. Trench No. 4 has been cut farther north than it should have been as evidenced by the following two problems:

a. Water leaching into the west end of trench No. 4 from the very original dumping operations is black in character and typical of what would be expected of water leaching through incinerator residue.

b. The east end of trench No. 4 intersects on the south end of trench No. 3 and there is no adequate earth barrier between these two trenches.

It was quite evident that daily earth cover is not being placed on the refuse. Also, the exposed surface of refuse at the south end of trench No. 3 indicated plainly that cover had not been placed on top of this refuse for several days. Some refuse had blown or been pushed into the water found in trench No. 3. This water would be partly from precipation and partly from very minor seepage through the east clay wall. A 20 exposure roll of 35mm slide film was taken of these conditions.

GB:bb

TO: ~~Ed's Disposal~~, Canton Twp.
Establishment File

ROUTE

FROM: Bruce Davis

SUBJECT: Open Burning Complaint from Bruce Davis

On December 10, 1968, ~~Ed's~~ Disposal contacted me regarding some black smoke to the west of his operation. His call was at approximately 1:30 and I visited the area reaching there at approximately 2:00. The only smoke I noted was from the Michigan Consolidated Natural Gas Plant Operation at Michigan Avenue just west of Denton Road. In talking to the foreman, Harold, he indicated they had had a problem regarding some oil within some of their equipment and it had been diverted to their constantly lit pilot light and had initially given off large amount of black smoke.

He indicated that this was not a frequent occurrence. He said that the open flame is an off shoot of their natural gas products and is utilized for the elimination of some occasional hydrocarbons that they get from their operation as well as some settlement material in their water baths from the gas that is passed through the water.

At the time of my visit there was a slight amount of dark grayish smoke. The foreman indicated that some of the oil was still in the pit where the pilot light was and they were attempting not only to thaw out the pit, but eliminate the remainder of this oil. It did not appear to be a problem at this time. It might be advisable to periodically observe this situation for better evaluation.

M E M O R A N D U M

TO: Van Buren Refuse File DATE: December 12, 1968

FROM: Mike Andrews

SUBJECT: Ferrantino Landfill

On December 9, 1968 I visited the landfill and found the following conditions:

1. Refuse was not being covered every day and from the amount being compacted, it is estimated that it has been several days since an earthfill has been placed. When I appraised one of the equipment operators of the situation, I was told that the reason for this was that their D8 Caterpillar Tractor and their International Dirt Hauler had been out of operation since Thursday, December 5, 1968. He, also, told me that they are now in working order and that by the end of the day the exposed field would be brought up to grade and that a 2' earth cover would be compacted in place. It might be worthy to note that the validity of this statement is somewhat questionable. Since they were so close to grade they might have forgone the intermediate 6" cover in lieu of the 2' cover at final grade.

2. The salvaging operation seemed very efficient, as there was little refuse being stored in the interim period after the trucks dumped and the refuse was compacted. The only problem foreseeable is the operators of the crane with the magnetic boom quit at 4:30 p.m. while the landfill closes at 6:30 p.m. When the operators return to their positions in the morning, approximately 10 loads of refuse is waiting for them. This should cause some concern, and perhaps could be alleviated if both crews quit at approximately the same time.

3. A new cell has been excavated perpendicular and to the south of the other cells and is divided at the easterly end by a temporary road. The westerly portion of the cell is clay lined, and no potential problem exists. The esterly portion is not clay lined and therefore it is presumed that filling will not take place until this portion is brought up to standards.

It should be noted, that although the earth cover operation was not up to standards, it was generally free of nuisance and the site was operated in a manner consistent with good environmental conditions. Pictures were also taken of the new cell and the prevailing conditions.

MEA:sag

File: Chronol

Van Buren Development
Company Landfill

TO: Van Buren Development Company Landfill

FROM: Glenn Brown

DATE: January 31, 1969

On January 31, 1969 Mike Andrews and I visited this landfill to determine the operating conditions. Trench No. 4 is being filled with general refuse and incinerator residue. All of the general refuse had been covered with incinerator residue. This appeared to be no problem at the present time.

While we were there, two trucks were dumping liquids from 55 gallon drums. I brought to the attention of Mr. Ed Padela, the landfill operator, the fact that liquids could not be accepted at this landfill; and subsequently in a telephone conversation Mr. Mike Farrantino, owner of the property, promised to contact the companies delivering these materials and tell them that they could no longer be accepted.

Trench No. 5 located in the far northwest corner of the site, is approximately 1/3 excavated. Mr. Farrantino expects that this trench will be excavated completely and the sides aligned with clay at least two weeks before he needs to begin dumping any refuse into the trench.

Provided the dumping of liquids is terminated, I would conclude that the operation is being conducted in a satisfactory manner.

File: Chron.

Van Buren Development Co. Landfill

March 13, 1969

Mr. Fred B. Kellow, Chief
Environmental Health Planning Unit
Division of Engineering
Michigan Department of Public Health
3500 North Logan Street
Lansing, Michigan 48914

Dear Mr. Kellow:

Re: Van Buren Development Company Landfill
Ecorse Road
Van Buren Township - Wayne County

On July 30, 1968 we forwarded to you engineering plans and related licensing materials for this landfill because the method of operation had changed from the concept of trenching the periphery of the site to one of building individually clay-lined refuse cells. You suggested that the plans should be modified to incorporate such changes prior to issuance of a license. The plans have been modified and the peripheral trench is now shown as an alternate method for a site development.

To date refuse has been placed in individual lined cells. This department has observed the excavation lining and the de watering of each cell prior to placement of any refuse. This method of cell construction has worked satisfactorily and we, therefore, recommend the issuance of a solid waste disposal area license with the following stipulations;

(1) Spread and compact refuse as it is received. At the end of each day's operation cover with a minimum of 6" of earth.

(2) Install monitoring wells no later than April 30,1969.

(3) Submit with your next application for license revised engineering plans which clearly show that portion of the site which has been filled to final grade and the elevations of the filled areas.

Please return one copy of the approved revised plans to this department for our use and file.

Very truly yours,

Glenn Brown, Assistant Director
Division of Environmental Health

GB:dc/alw

Telephone:
274-2800
721-0200

WAYNE COUNTY DEPARTMENT OF HEALTH

Division of Engineering and Sanitation
ELOISE, MICHIGAN

1 of 2 WCH-87

DATE 3-5-69

NAME Van Buren Development Co (LANDFILL)
NAME OF OWNER OR PERSON IN CHARGE Mr. Lemontree

ADDRESS County Line & Cogan Rd
MAILING ADDRESS

POST OFFICE 30700 Cogan Rd Belleville
POST OFFICE

TWP. Van Buren TEL.
PROGRAM NO. OR TEL.

Mr Hansen reported meeting the complainant at 7:30 AM in regard to a call from Mr. Lemontree reporting a fire at the landfill. Upon my arrival I found that apparently the fire had been started accidentally by a contractor, Mr Lemontree and a bulldozer operator. Mr Lemontree and bulldozer operator were trying to put out the fire when I arrived. Mr Lemontree explained that the fire started when a bulldozer operator was trying to push some burning debris into a hole. Mr Lemontree explained that the fire was out and that he was trying to cover the hole with dirt. I told Mr Lemontree that he should continue to cover the hole with dirt and that he should also cover the burned area with dirt. Mr Lemontree agreed to do so. I left the landfill at 8:00 AM. cont.

REPORT RECEIVED BY
REPRESENTATIVE

SANITARIAN NUMBER	District	Area Code	PROGRAM	ACTIVITY	Action	Sample or Service	Maintenance	Building	Safety	Screening	Heating	Ventilation	Lighting	Water	Plumbing	Hand Washing	Toilets	Sewage	Refuse	Refrigeration	Storing	Dish Washing	Utensils	Other Equip.	Proc. & Serving	Personnel	Vermin Control
53	2	41	100	15																							

Telephone:
274-2800
721-0200

WAYNE COUNTY DEPARTMENT OF HEALTH

Division of Engineering and Sanitation
ELOISE, MICHIGAN

2 of 2 WCH-87

DATE 3-5-69

NAME Van Buren Development
NAME OF OWNER OR PERSON IN CHARGE Mr. Lemontree

ADDRESS County Line & Cogan Rd
MAILING ADDRESS

POST OFFICE 30700 Cogan Rd Belleville
POST OFFICE

TWP. Van Buren TEL.
PROGRAM NO. OR TEL.

Mr. Michael Hansen received a citation, Mr. Lemontree for operating a landfill without a valid license. I met with Mr. Lemontree and Mr. Hansen at the landfill at 10:00 AM. Mr. Hansen explained that the violation was corrected. I explained to Mr. Lemontree that he would have to apply for a license and that he would have to meet the requirements of Act 87 of the Public Acts of 1965 as amended. Mr. Lemontree agreed to do so. I left the landfill at 10:30 AM.

REPORT RECEIVED BY Mr. Lemontree
REPRESENTATIVE

SANITARIAN NUMBER	District	Area Code	PROGRAM	ACTIVITY	Action	Sample or Service	Maintenance	Building	Safety	Screening	Heating	Ventilation	Lighting	Water	Plumbing	Hand Washing	Toilets	Sewage	Refuse	Refrigeration	Storing	Dish Washing	Utensils	Other Equip.	Proc. & Serving	Personnel	Vermin Control
53	2	41	100	15																							

Michigan Department of Public Health
Engineering Division

SOLID WASTE DISPOSAL
EVALUATION REPORT
Inspection Date 1-31-69

Name of Disposal Facility VAN LANDFILL

Location 50700 E CORSE ROAD (street address) — (city) VAN BUREN (township) WAYNE (county)

Name of Operator MICHAEL FERRANTINO Address 147 KINGSBURY, DEARBORN

Property Owner VAN BUREN DEVELOPMENT CO. Address 50700 E CORSE RD, BELLEVILLE

Municipalities from which refuse received DETROIT INCINERATOR REFUSE, DEARBORN

Type of Facility: ☐ Incinerator ☑ Sanitary Landfill ☐ Hog Feeding ☐ Other _____ (specify)

(:) indicates compliance (x) noncompliance (–) does not apply

GENERAL REQUIREMENTS

Origin of Waste:
generated on premises _____ delivered to site ✓

Type of Waste:
general _____ residential ✓
commercial ✓ solid ✓ liquid _____

Plans and Specifications:
plan on file ✓ (1) layout operation conforms to plan ✓

SANITARY LANDFILLS
protection of ground and surface water (2)
equipment ✓ emergency equipment ✓
nuisance control ✓ responsible director (4)
fire control ✓ on-site roads ✓
restricted access ✓ attendant ✓
dust control ✓ paper confined ✓
spreading of refuse ✓ compaction ✓
cell volumes ✓ period of cover ✓
final cover ✓ cover maintenance ✓
equipment maintenance ✓ burning ✓
salvaging ✓ (3) vermin control ✓
surface water drainage ✓ completion of area ✓
handling and control of hazardous materials (5)

REFUSE BURNERS
employee safety _____ design _____
air pollution _____ operation _____
disposal of ash _____ fly ash _____
general sanitation of plant and surroundings _____

OTHER FACILITY
specify type _____
isolation (nearest residence) _____ miles
vermin control _____ operation _____
maintenance _____ air pollution _____
fire control _____ impervious feeding area _____
disposal of days material _____ nuisance control _____
employee safety _____ written approval when required _____
concurred by Michigan Department of Public Health when required _____

Remarks

(1) PLANS SUBMITTED WITH THIS REPORT.

(2) REFUSE TRENCHES EXCAVATED BELOW WATER TABLE ARE LINED WITH CLAY AND DEWATERED PRIOR TO DUMPING OF REFUSE.

(3) HURON VALLEY STEEL CORP. REMOVES FERROUS METAL FROM INCINERATOR RESIDUE BY USE OF CRANE & MAGNET.

(4) GATEMAN ON SITE WHENEVER REFUSE ACCEPTED. MR. FERRANTINO AT SITE FREQUENTLY.

(5) OPERATOR HAS BEEN INSTRUCTED TO EXCLUDE ALL LIQUIDS, SLUDGES, ETC.

Approved Not Approved

Person interviewed ED PADELA Inspected by GLENN BROWN

Title GATEMAN Representing WAYNE CO. H.D.

D - 65.3 6M 6/66

William G. Milliken Governor

R. GERALD RICE, M.D.
Director

STATE OF MICHIGAN
DEPARTMENT OF PUBLIC HEALTH
3500 N. LOGAN, LANSING, MICHIGAN 48914

RECEIVED
APR 8 1969
ENGINEERING DIVISION

April 1, 1969

Mr. Michael Ferrantino
147 Kingsbury
Dearborn, Michigan

Subject: Van Landfill - Wayne County

Dear Sir:

Your application for a license of the above solid waste disposal facility has been approved by this department.

Enclosed is your current license No. 4460 . This license is issued with the following stipulations:

1. Spread and compact refuse as it is received. At the end of each day's operation, cover with a minimum of six inches of earth.

2. Install monitoring wells no later than April 30, 1969.

3. Submit with your next application for license revised engineering plans which clearly show that portion of the site which has been filled to final grade and the elevations of the filled areas.

We solicit your cooperation in operating your facility in a sanitary manner in compliance with Act 87, Public Acts of 1965.

Very truly yours,

LaRue L. Miller, Chief
Section of Environmental Health
Division of Engineering

By: R. L. Hadfield, Sanitarian
Environmental Health Planning Unit

Enc.
cc: Michigan Water Resources Commission
Wayne County Health Department

folder: Van Buren, Dearb. Co. Landfill

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

LANSING, MICHIGAN 48914

William G. Milliken

April 28, 1969

Mr. Michael Ferrantino
147 Kingsbury
Dearborn, Michigan

Dear Mr. Ferrantino:

Sludge Residue from Dearborn Refinery Treatment of Crankcase Oils

COPY

We have received a request through the Wayne County Health Department for permission to dispose of the sludge residue from the Dearborn Refinery operation in your solid waste disposal facility located at 30700 Ecorse Road, Belleville, Michigan, in Wayne County.

A sample of the material was submitted to us for examination. The tar-like material has been examined and apparently the acidity (sulfuric acid) is of primary concern. The material has potential of increasing the FE and SO^4 and could increase the hardness of any water by direct contect. It is suggested that this material be neutralized with lime before being disposed of in the site. This should also cut down on the fumes emanating from the material and make it easier to handle. It is further suggested that if you wish to dispose of this material on your property that a dry area with a clay base and clay sidewalls be utilized and preferably, if this is mixed with other waste, that an effort be made to mix it with high concentrations of paper and cardboard. It would appear there may be need to instruct the operating personnel at the landfill site with some safety precautions in handling this material. Such safety precautions should include a requirement for immediate cover. It is my understanding that approximately one load per day of between 1,500 to 1,800 gallons of this tar-like material will be delivered to the site.

I would suggest that the Wayne County Health Department be consulted concerning suitable areas that could be utilized for this disposal operation and also for some assistance in setting up appropriate handling techniques.

While this letter provides a general approval for you to accept this particular waste, it in no way should be construed to indicate that this is an irrevocable position. I am suggesting that the Wayne County Health Department keep this process under surveillance and should problems exist in the future, the policy with reference to your accepting this waste for final disposal in its present form could be changed.

Should you have any questions concerning this matter, please do not hesitate to communicate with the Wayne County Health Department or this office.

Very truly yours,

Fred B. Kellow, Chief
Environmental Health Planning Unit
Section of Environmental Health
Division of Engineering

FBK/JS

cc: Wayne County Health Department, Attention: Glenn Brown
Dearborn Refinery Company

The Bacon Development

M E M O R A N D U M

TO: Ferrantino Landfill File April 29, 1969

FROM: Michael E. Andrews MA

SUBJECT: Dumping Liquid Waste In The Landfill

On April 25, 1969 I visited Ferrantino's Landfill and met with the truck driver from Dearborn Refinery to watch and take pictures of a liquid acidic waste being dumped into the landfill.

The waste is only slightly viscous and it pours readily from a chute on the back of a pick-up truck. This waste material has an offensive, acidic odor which rapidly disappears by the air movement.

The landfill was being operated according to standards since the only material that was not covered was the material that was hauled today.

I noticed that they are digging a new trench parallel to the one that is bieng filled now.

It should also be noted that the acidic material should be classified as hazardous and that another solution to get rid of the waste should be developed in the near future.

MEA:sag

FILE: Chron

Proposed Landfilling - Section 13
Ypsilanti Twp.

July 9, 1969

Mr. Edward Kubiske
Township Engineer
Ypsilanti Township
1165 Ecorse Road
Ypsilanti, Michigan

Dear Mr. Kubiske:

Re: Proposed Landfilling - Section 13, Ypsilanti Township

Mr. Mike Ferrantino, of the Wayne Disposal Company, has requested that I write you this letter indicating the type and extent of landfilling proposals in Section 18 of Van Buren Township, Wayne County.

Mr. Ferrantino has submitted engineering plans for enclosure of Willow Creek and the sanitary landfilling of the Willow Creek ravine from the new right-of-way line for I-94 upstream to the vicinity of the county line. We have discussed the proposed enclosure of Willow Creek with representatives of the Michigan Department of Public Health and the Michigan Water Resources Commission.

We are now reviewing the sanitary landfilling aspects of this proposal. Once approval for the tiling of Willow Creek is received from the Michigan Water Resources Commission and we are satisfied with arrangements for ownership and maintenance of the enclosure and are satisfied with the sanitary landfilling design we expect to be recommending issuance of a solid waste disposal area license for this site.

Very truly yours,

Glenn Brown, Assistant Director
Division of Environmental Health

GB:dc

cc: Fred Kallow
Ed Stoelton
Joe Price

FILE: Chron

Solid Waste Disposal

August 5, 1969

Mr. Michael Ferrantino
147 Kingsbury
Dearborn, Michigan

Dear Mr. Ferrantino:

Re: Van Buren Development, Inc. - Van Buren Township, Wayne County

Your license to operate a solid waste disposal facility expires September 1, 1969; therefore, we are enclosing application blanks and bond forms for a renewal. The following instructions should be reviewed very thoroughly:

1. Complete the application blanks in triplicate and either mail or bring the white and yellow blanks to the Wayne County Health Department on Merriman Road, north of Michigan Avenue, Eloise. The pink copy may be retained for your records.

2. A continuation certificate of your current surety bond, or if you have changed bonding companies, a new bond with an attached power of attorney should be made in favor of the State Health Director and brought to the Wayne County Department of Health with your other materials. Your bond is to be in an amount of $500.00 per acre of disposal area, but not less than $2,500.00.

3. Act 87 of the Public Acts of 1965 (Solid Waste Disposal Act) permits license renewal ". . . upon payment of annual fee of $25.00 if the licensee has complied with the act and rules and regulations adopted hereunder." If a check or money order is used for payment, it should be made payable to the Wayne County Department of Health.

When these licensing renewal materials are received, this department will inspect the facility as required by Act 87. Should you have any questions about the licensing procedure, please call me at 274-2800, Extension 6951.

Very truly yours,

Glenn Brown, Assistant Director
Division of Environmental Health

GB:dc

Enclosures

Wayne Disposal, Inc.
147 KINGSBURY
DEARBORN, MICHIGAN 48128
PA. 2-4430

August 30, 1969.

Michigan Department of Public Health
Division of Engineering
3500 North Logan Street
Lansing, Michigan 48914.

Dear Sirs:

Further reference is made to the enclosed application for a waste disposal license.

Please be advised that the 80 acres covered in this application has been sold to General Motors Corporation with the agreed understanding that we will vacate these premises no later than November 19, 1969. Therefore, this application is submitted to cover the period ending with that date.

Yours truly,

Michael J. Ferrantino.

☐ Fireman's Fund Insurance Company
☒ The American Insurance Company

☐ National Surety Corporation
☐ Associated Indemnity Corporation
☐ American Automobile Insurance Company

CONTINUATION CERTIFICATE

PRODUCTION CODE	PREFIX	BOND NUMBER	CONTINUED FROM	TO
21 125 620 76 803 10	SLR	323034	6-21-69	8-31-70

ON BEHALF OF

Wayne Disposal, Inc.

IN FAVOR OF

Dept. of Public Health, St. of Michigan (Re: Solid Waste Disposal License)

TYPE OF BOND	DATED	AMT. OF BOND	PREMIUM
☐ PUBLIC AND FEDERAL OFFICIAL ☐ FIDELITY ☐ BLANKET ☐ INDIV. OR SCHD. ☒ SURETY	2-12-65	$ 5,000.00	$ 50.00

EXECUTED AT (CITY - STATE)	DATE
Detroit, Michigan	6-20-69

In consideration of an agreed premium payable in advance the Bond described above is hereby continued in force for the period indicated. Continuation is subject to the condition that the maximum aggregate liability of the Surety under the Bond and any and all continuations thereof shall in no event exceed the amount of liability shown herein. This certificate shall be valid only when executed by an attorney-in-fact of the Surety.

Wayne Disposal, Inc. Principal

Detroit
BRANCH OFFICE

The American Insurance Company
SURETY

Steinhaff, Maas & Whitelaw
PRODUCER OR AGENT

BY Karen Burce
Karen Burce ATTORNEY-IN-FACT

360156—3-66

OBLIGEE OR INSURED

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENGINEERING

TO:
Michigan Department of Public Health
Division of Engineering
3500 North Logan Street
Lansing, Michigan 48914

DO NOT WRITE IN THIS SPACE
Bonding Co. _____
Agent _____
Address _____
License No. _____
Bond Value _____
Loc. Code _____

APPLICATION FOR SOLID WASTE DISPOSAL AREA LICENSE

(See back of last copy for instructions)
(Fill out in triplicate)

☐ new ☒ renewal ☐ addition

Application is hereby made to the Director, Michigan Department of Public Health, for a license to operate a solid waste disposa area under the provisions of Act 87, P.A. 1965.

Date August 30, 1969.

NAME OF DISPOSAL AREA Wayne Disposal, Inc. Size 80 acres (acres)

LOCATION Wayne (county) Van Buren Township (city, village or township) 6 (section)

(address or additional location description)

NAME OF PROPERTY OWNER VanBuren Dev. Co. (individual, firm, township, city, etc.) Address 3333 Cadillac Tower - Detroit,482 (include zip code)

NAME OF OPERATOR Michael J. Ferrantino Address 147 Kingsbury - Dearborn, Mich.481 (include zip code)

RESPONSIBLE PERSON TO CONTACT _____ (if other than operator)

Address _____ (include zip code)

TYPE OF DISPOSAL OPERATION: (If more than one area involved file separate application for each)

☒ Sanitary Landfill ☐ Hog Feeding
☐ Incineration ☐ Other _____ (specify)

TYPE OF MATERIAL HANDLED: (check one or more)

☒ General Refuse ☐ Garbage ☐ Industrial Waste ☐ Liquid Waste ☐ Rubbish ☐ Other _____ (specify)

FEE: The required annual license fee of $25.00 ☒ is ☐ is not attached.
(governments and agencies thereof exempt.)

BOND: The power of attorney and bond in the amount of $5,000.00 is attached.
(bond of $500.00/acre, minimum bond $2500.00)

I hereby certify that the foregoing information is accurate and complete

Michael J. Ferrantino
(signature and title of applicant)

Any disposal operation possibly involving the use of the waters of the State also requires the submission of a new or increased us statement to the Water Resources Commission as provided by Act 245, P.A. 1929 as amended

Acknowledgment of receipt of annual $25.00 license fee received by me on September 22, 1969

Signature H. Weiland

Title Cashier-Wayne Co. Health Dept.

Leave This Space Blank

D65.2 – 2M – 1/66

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENGINEERING

TO:
Michigan Department of Public Health
Division of Engineering
3500 North Logan Street
Lansing, Michigan 48914

DO NOT WRITE IN THIS SPACE
Bonding Co. _____
Agent _____
Address _____
License No. _____
Bond Value _____
Loc. Code _____

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Acknowledgment of receipt of annual $25.00 license fee received by me on

_____ 19__

Signature _____

Title _____

Leave This Space Blank

D65.2 – 2M – 1/66

MEMORANDUM

WAYNE COUNTY HEALTH DEPARTMENT

TO: Robert N. Ratz

DATE: August 2, 1984

FROM: Dean C. Tuomari

SUBJECT: Van Buren Development Co., 5070 Ecorse Road, Van Buren Twp.

I visited the site on July 3, 1984 accompanied by a GM security guard. The "leachate" spring indicated in Mr. McKenna's report was found in a County road ditch. It is located on the south side of east bound Michigan Avenue approximately 100 yards east of the red on white pipeline markers.

The spring was flowing at this time with clear and odorless water. However, there was an orange/brown scum floating on top of the water. The spring may be natural because it is flowing during an extended dry spell and the clarity of the water. Also there was no visible recharge area on top of the fill near the spring. The orange-brown scum may be due to an iron rich sand seam that the water passes through. The phenomenon of the orange/brown scum in natural seeps has been observed in other parts of the County.

It is recommended that pH and conductivity tests be done on the water. If the pH and conductivity results differ greatly from what one would expect for the perched water table, then further investigation is warranted. If the values do not differ greatly the spring should still be monitored; at least visually, to determine any change in it (e.g., odors, color change, increase in size, etc.).

NOTE: Heavy vegetation made it impossible to observe the topography of the site.

DCT:ls

SIGNATURE _____

WCH-4

Van Buren Twp

COMPLETED LANDFILL SITE EVALUATION

Name & Location of Site Van Buren Development Company, 5070 Ecorse Rd

Attach a copy of USGS quad showing location. west of Denton Rd. south of Conrail Railroad, west of GM parts division plant, nort of Michigan Ave.

Source of residential drinking water

Private Wells _____ Municipal Water Supply X

Soils Information

Type WaA Gf SpB ThA 715' Surface Elv

Depth _____ _____ _____ 600' Bedrock Elv

115' Elv.

Antrim Shale Bedrock Substratum

File Search Information (if available)

Waste Types Municipal Inert Solid Waste

Active landfilling period (unknown)

Site Owner General Motors

Site Operator _____

Distance from site to nearest residence on

North side 1000' South side Ecorse Rd. Willow Run Airport

East side GM Parts Division Plant West side Washtenaw County

Location and distance to any lakes, streams, rivers, and ditches _____

Drainage ditches

Condition of Cover: Good _____ Fair X Poor _____

Erosion: Severe _____ Moderate _____ Slight X None _____

Vegetation: Thick _____ Adequate X Sparse _____

Thickness: >2' _____ <2' >.5' X <5' _____

Type of Cover: Clay & ~~Silt~~ X Sand X Loam X

Is there evidence of ponding water on site? Yes

If yes, indicate size of area and location Refer to map drawing

Is there evidence of leachate springs? Yes

If yes, are they seeping? X or flowing? N/A

Location of springs Along Michigan Ave S.W. Bound towards I-94 between Conrail R.R and Ecorse Rd. Trace also

Is leachate flowing in drain course? No

Is gas generation evident? No.

If yes, identify evidence:

N/A a. blow holes

N/A b. surface fissures

N/A c. patches of dead/dying vegetation with discolored soil

N/A d. detectable odor, type N/A strength N/A

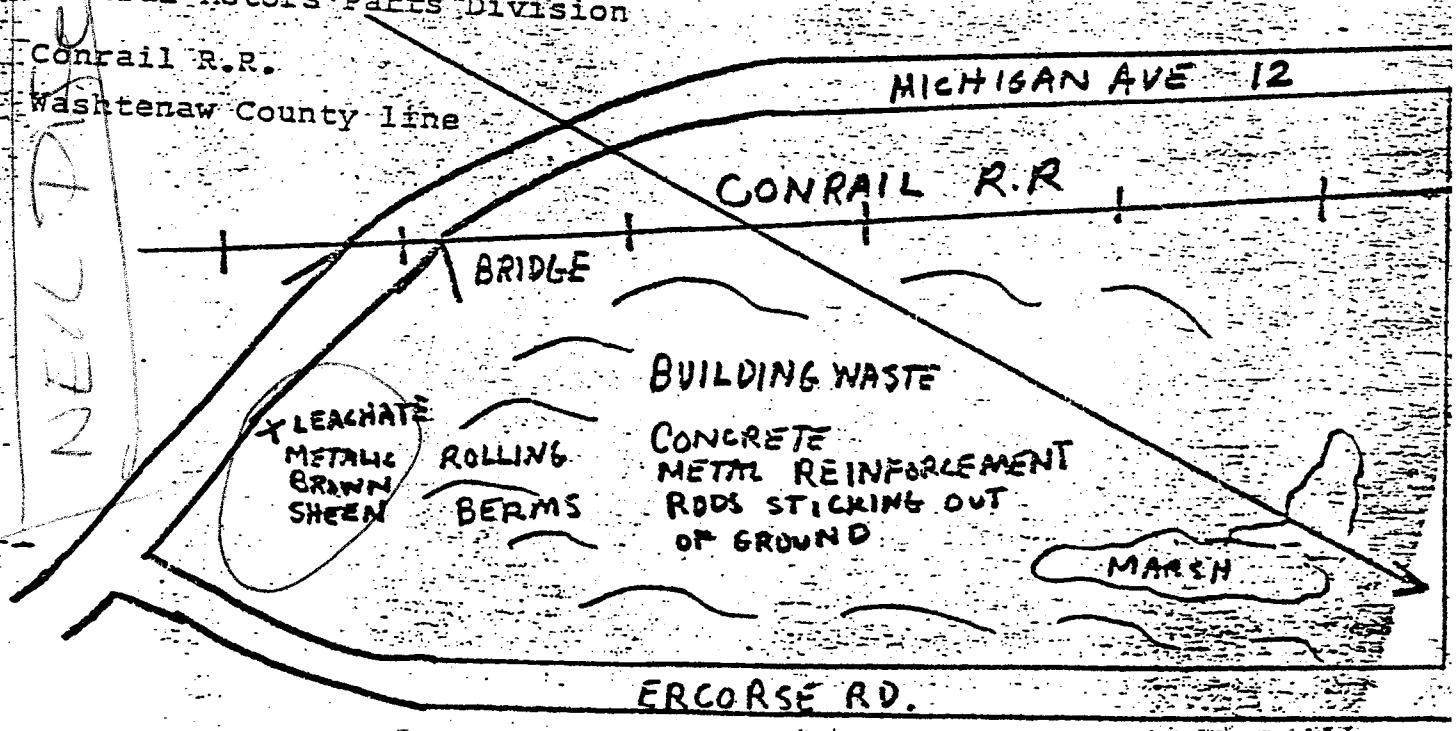
Is the site access restricted? No signs posted GM no trespassing

If yes, by what means? N/A

General Motors Parts Division

Conrail R.R.

Washtenaw County line



Van Buren Development Company (VBDC Landfill)

Michael ferrantino
50700 Ecorse Rd
Van Buren TWP

The site was originally used to mine sand. ~~M ferrantino submitted~~ A Land Evaluation Service Form for Proposed Sanitary Landfill Area was complete on Jan 16, 1967. The survey noted a water table at approx 12'-13'. M. ferrantino does not plan to use this site for several years.

Jan 1968 Memo to file The elevation of the natural water table is still a concern. ferrantino is asked to submitt a soil Test report to confirm these elevations. Ground water was found at a depth of 4'6" - 5'6".

feb 68 A Vanburen TWP Sand Removal & fill Permit.

March 68 ferrantino is dewatering the cells. Wayne County questions the ability to build a water tight cell below the water table. ~~ferrantino~~

July 68 · Solid Waste license, a surety bond
↓ plans were submitted to Lansing.

Aug 68 cells are not ready but incinerator ash is being stockpiled below the ground water level & not covered.

Aug 68 Reply to the July 68 N.O.V. letter, pertaining to open burning.

Aug 68 letter to the State recommending approval for license w/ stipulations

Sept. 68 No more evidence of burning but poor cover

Oct 68 Application for Solid Waste Disposal Area License

& $500 Bond Value

Dec 68 Cover problems

Jan 69 Dumping liquids into the cell is not permitted but was ~~noted~~ taking

place, while Wayne County acts on site

Jan 69 first Evaluation Report

March 69 Fire

April 69 License was issued to ferrantino.

April 69 An acidic liquid was being dumped in the landfill

Aug 69 License application on file
$5000 bond on file

Aug 69 General Motors bought 41 Acres from ferrantino.

? Complete Landfill site evaluation. natural spring was noted

Aug 84 The spring was flowing. Clear odorless water. PH + conductivity test are recommended.

GM Argonaut Realty

Current Engineering and
Manufacturing Services Staff
General Motors Corporation

February 3, 1988

Ms. Sharon J. Kiddon
Environmental Protection Specialist
RCRA Activities, Site Notification, Region V
P. O. Box A 3587
Chicago, Illinois 60690

Dear Ms. Kiddon:

From 1969 through 1970, General Motors Corporation acquired and assembled a tract of approximately 1,000 acres in Van Buren Township, Michigan for possible GM use. In August 1987, GM authorized disposal of a portion of the property since is was no longer needed.

While preparing for the sale or lease of a part of the property, GM Argonaut Realty personnel searched existing governmental records and became aware of the closed Van Buren Development Company landfill site which is located on approximately 80 acres on the eastern edge of the undeveloped portion of the tract. We are not planning to sell this 80 acres.

It is unknown at this time whether the Hazardous Waste Site notification as required under Section 103(c) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) was filed with the Agency by the owner and/or operator of the facility at the time of disposal of the wastes. In consideration of the extant circumstances, General Motors is filing the attached EPA Form 8900-1 "Notification of Hazardous Waste Site" to satisfy the notification requirements of Section 104(c) of CERCLA.

If you have any questions in regard to this notification, please contact me at (313) 556-1957.

Sincerely,

Roch X. McClain

am

Enclosure

RECEIVED
FEB 08 1988
U.S. EPA, REGION V

485 West Milwaukee Avenue P.O. Box No. 9024 Detroit, Michigan 48202 (313) 556-5000

EPA Notification of Hazardous Waste Site

United States Environmental Protection Agency Washington DC 20460

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

MI #317 MIS-000-001-333

A Person Required to Notify:

Enter the name and address of the person or organization required to notify.

Director of Real Estate
Name General Motors Corporation
Street 485 W. Milwaukee Avenue
City Detroit State MI Zip Code 48202

B Site Location:

Enter the common name (if known) and actual location of the site.

MID 982075616

Previous Name of Site Van Buren Development Company Landfill
Street 5070 Ecorse Road
City Van Buren Twp. County Wayne State MI Zip Code

C Person to Contact:

Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.

Name (Last, First and Title) McClain, Roch X., Real Estate Representative
Phone (313) 556-1957

D Dates of Waste Handling:

Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.

Approximately
From (Year) 1966 To (Year) 1970

E Waste Type: Choose the option you prefer to complete

Option 1: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item I—Description of Site.

General Type of Waste:
Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

1. ☐ Organics
2. ☐ Inorganics
3. ☐ Solvents
4. ☐ Pesticides
5. ☐ Heavy metals
6. ☐ Acids
7. ☐ Bases
8. ☐ PCBs
9. ☐ Mixed Municipal Waste
10. ☒ Unknown
11. ☐ Other (Specify)

Source of Waste:
Place an X in the appropriate boxes.

1. ☐ Mining
2. ☐ Construction
3. ☐ Textiles
4. ☐ Fertilizer
5. ☐ Paper/Printing
6. ☐ Leather Tanning
7. ☐ Iron/Steel Foundry
8. ☐ Chemical, General
9. ☐ Plating/Polishing
10. ☐ Military/Ammunition
11. ☐ Electrical Conductors
12. ☐ Transformers
13. ☐ Utility Companies
14. ☐ Sanitary/Refuse
15. ☐ Photofinish
16. ☐ Lab/Hospital
17. ☒ Unknown
18. ☐ Other (Specify)

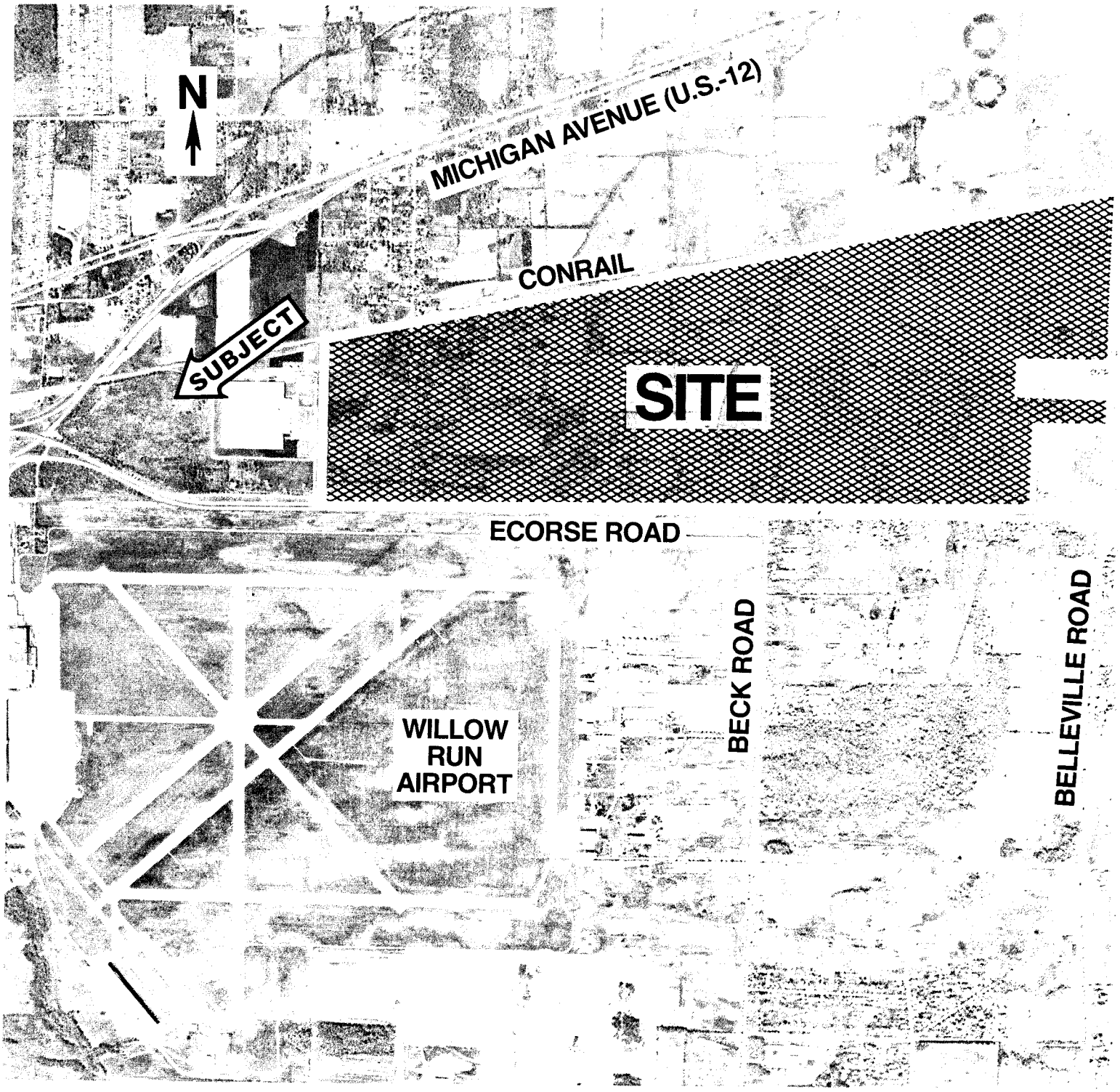
Option 2: This option is available to persons familiar with th Resource Conservation and Recovery Act (RCRA) Section 30(regulations (40 CFR Part 261).

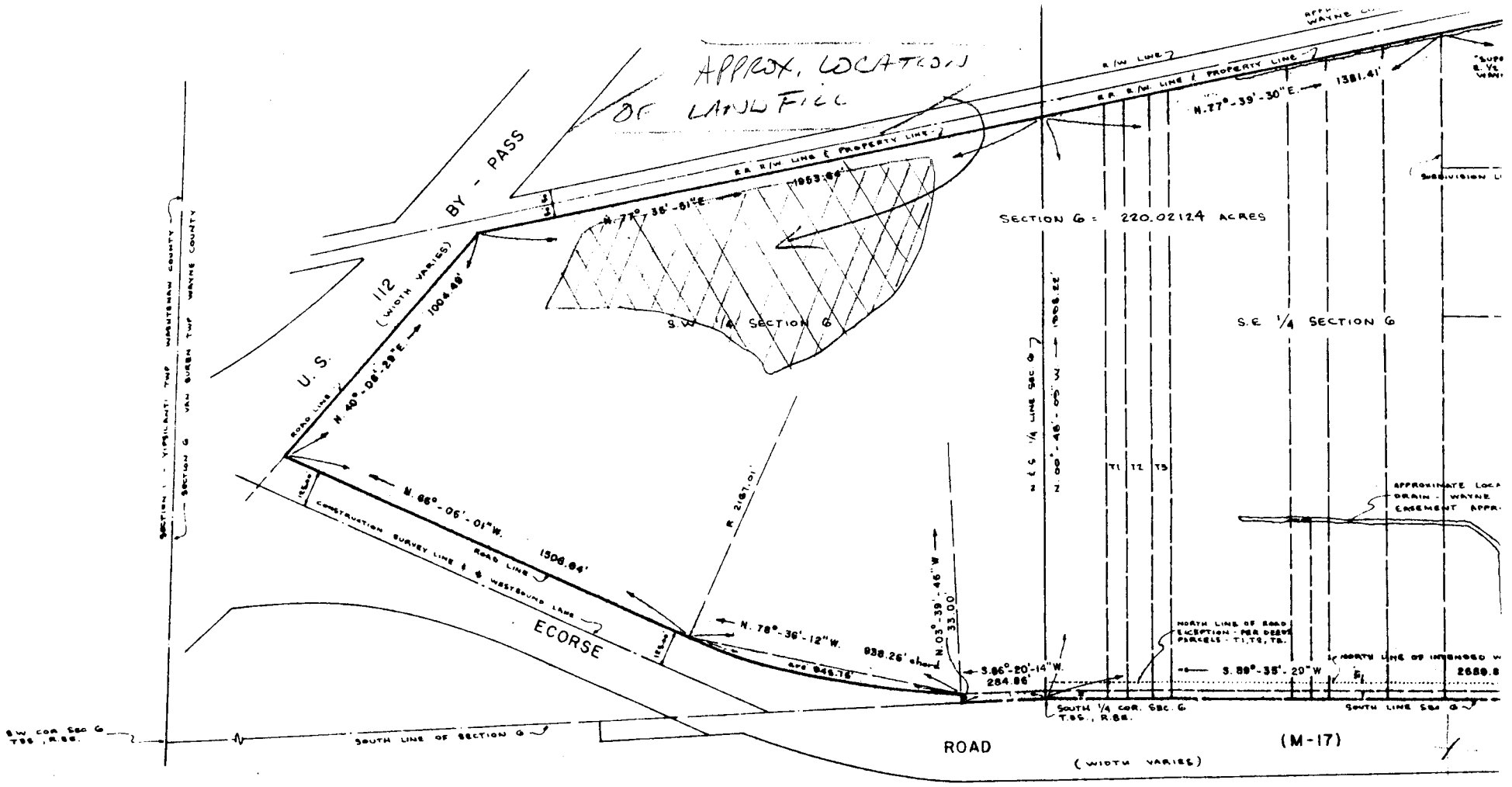
Specific Type of Waste:
EPA has assigned a four-digit number to each hazardous was listed in the regulations under Section 3001 of RCRA. Enter t appropriate four-digit number in the boxes provided. A copy o the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site located.

Form Approved
OMB No. 2000-0138
EPA Form 8900-1

FEB 08 RECD 88

880 ACRE INDUSTRIAL SITE
DETROIT METROPOLITAN AREA





NOTE: SEE SURVEY NO. 15774-A FOR DETAIL OF SECTION 6

Site Name and Locati

Vanburen Development Co.
Address Unreported
City Unreported
000 County Unreported

NFA 350401
A003 3-21-89

County: Vanburen
Michigan Code Number : Unreported
DNR District : Plainwell
EPA ID Number: MID982075616

There is no information in either EPA or Michigan Department of Natural Resources files which give evidence for there having been a release of Hazardous substances at this facility.

This site receives a no further remedial action for inspection.

RECEIVED
MAR 21 1989
Pre-Remedial

Pre-HRS Score: N/A
Projected HRS Score: N/A
SI Priority: NFRA

Hours Spent: _____ + _____ + _____ + _____ = _____
Initial & Date: _____ _____

Current Date : 2/17/89
Author: Farsad Fotouhi

Act 307 Section
Environmental Response Division
Michigan Dept. of Natural Resources

Memorandum
(DRAFT)

TO: Tom McNulty

FROM: Eric C. Anderson

DATE: Oct. 8, 1993

RE: Van Landfill Excavation

On this date, Mike Droze, Nancy Gergor and myself visited the Van Landfill located at Ecorse Rd. and the Michigan Avenue Connector in Van Buren Twp. It was reported by a by John Jones, of this office, that in the process of excavation for the WTUA sewer project a portion of the landfill had been exposed. The three of us walked along the shoulder of the Michigan Avenue Connector observing the area disturbed during construction. The disturbed area slopes up away from the shoulder of Michigan Ave up to a flat area about twenty feet above the Road elevation. Near the top of the excavation a two to three foot seem of refuse was evident. The seam appeared to extended for at least a hundred feet. A possible leachate seep was found in a pit that had been excavated for some concrete work. The water seeping in to the excavation was rust colored and had no detectable odor from the road. The water had completely filled the excavation and was flowing down the slope and on to Michigan Avenue and then into a catch basin located in the road.

Concerns:

1. It is unknown if the waste material excavated during construction was disposed of properly.

2. Leachate may be seeping into the storm sewers and eventually into the surface waters.

3. Leachate may contain hazardous Components.

4. Soil and groundwater samples at the Ferrantino's Ash Landfill in Brownstown Twp. contain Heavy metals above the Type B direct contact standards. This ash was also disposed of at the Van Landfill.

5. Unknown quantities of liquid wastes were dumped in to the landfill

6. Sludge from Dearborn Refinery was dumped at the site. This sludge had a high content of sulfuric acid and may potentially contain heavy metals, PCBs and other organic chemicals.

7. The disturbed area must be restored properly to insure slope stability and to prevent future leachate seeps.

Van Buren Development Co.
Van Landfill

Location:

The Van Landfill is located at Ecorse Rd. and the Michigan Ave. Bypass in Vanburen Twp. The Property is bounded by Ecorse Rd. on the South, the Michigan Ave Bypass on the West and the N.Y.C. railroad tracks on the north. The site is approximately 80 acres in size.

Landfill Construction:

The Van landfill site was formerly used as a sand mine. Excavations at the sand mine were limited to about 15 feet. The landfill consisted of a series of clay lined cells. The cells were constructed by using a drag line to excavate down to the clay approximately four to five feet below the water table. After this was completed the remaining clay was placed around the edge of the cells. After the cell was completed the water was pumped from the cell and waste material was placed into the cell. This division expressed concern that the constructed cells may not be as water tight as would desired.

Operational History:

The landfill was owned by the Vanburen Development Corp. and operated by Michael Ferrantino. The site operated from the summer of 1968 until the fall of 1969. The landfill was issued an Act 87 license (License #4460) April 1, 1969. There is evidence in the file to suggest that the site was licensed prior to this but the permit is not in the file. As a condition of this permit three monitoring wells were to be installed at the site. There is no evidence to suggest that they were ever installed. In August 1969 the site was sold to the General Motors Corp.

Waste Materials:

The file indicates that the Van Landfill accepted the following wastes:

Incinerator ash, demolition waste and domestic refuse from the City of Dearborn. Trucks from the City of Dearborn Transfer station were observed at the site. Also noted was office waste paper from the Ford Motor Corp.

Incinerator ash from City of Detroit

Liquid industrial waste: Liquid waste was observed being dumped from 55 gallon drums into the landfill. The amount of waste and the frequency of disposal is unknown. Note this was a violation of act 87.

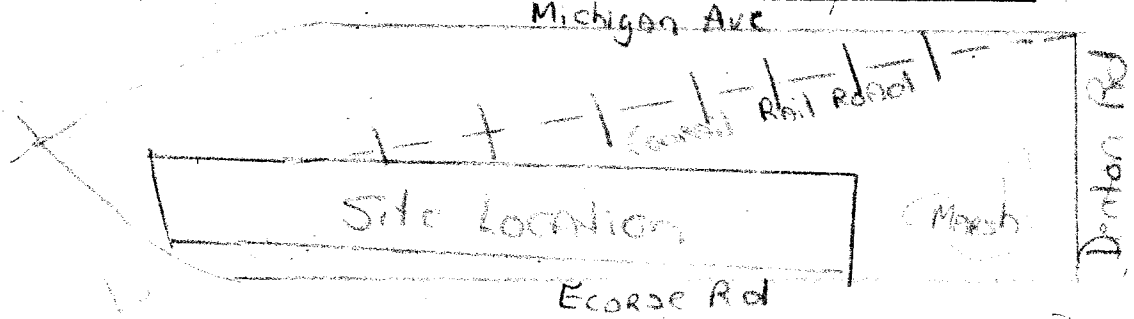
Sludge Residue from Dearborn Refinery. The sludges came from the treatment of crankcase oil. As much as 1,500 to 1800 gal of sludge may have been dumped per day. The sludge was characterized as having a high sulfuric acid content and thus very low PH.

1993 CLOSED LANDFILL SURVEY

Facility Name Van Landfill

Name of Owner General Motors Corporation

Location (Address) 5070 M Ecorse Road, Van Buren



Date of Operation From: Apr 1 1967 To: 1969?

* Type of Waste Industrial / Municipal Solid Waste

Licensed ACT 641 ____ ACT 87 ✓ PRE ACT 87 ____

Closure ACT 641 ____ ACT 87 ? PRE ACT 87 ____

Monitoring Wells Yes ____ No X

Are the wells samples on a regular basis?

Yes ____ No X

Does the facility have a gas recovery system?

Yes ____ No X

Does the facility have a leachate collection system?

Yes ____ No X

If yes, is it being dumped regularly?

Yes ____ No ____

Where is the leachate disposed?

____ pump and haul

____ sanitary sewer

* Facility was initially only to take incinerator ash.

INSPECTION

Date: 5/13/93 Time: 4:00

Personnel Mike Dacz & Kimberly A Brannon

Weather Sunny and Clear

Yes	No		
☐	☑	1.	Are there odors detectable off site?
☑	☐	2.	Is vegetation well established on the cover?
☐	☑	3.	Is the cover well graded? There are areas which Require Proper grading. Mounds of waste were apparent on the site
☐	☑	4.	Is there evidence of problems with erosion?
☐	☑	5.	Are there areas of expose waste?
☐	☑	6.	Does it appear that there are areas of inadequate cover?
☐	☑	7.	Is there evidence of leachate seeps?

☐ ☑ 8. Is there evidence of gas leakage?

☑ ☐ 9. Is there ponding water on the cover?
There is a large area (marsh) in the southwest corner of the area, near Ecorse Rd.

☐ ☑ 10. Do the sites perimeter drainage ditches need to be cleaned?

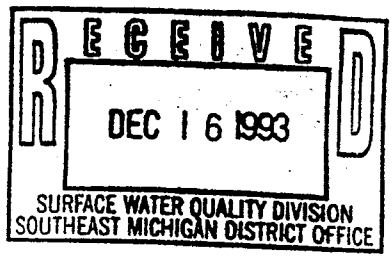
☑ ☐ 11. Are there trees or other deep rooted vegetation growing on the cover?

☑ ☐ 12. Has there been illegal dumping at the site after its closure?
Scrap Roofing materials

☑ ☐ 13. Are animals burrowing into the cover?

☐ ☑ 14. Is access to the site restricted by a fence or other barriers?

MICHIGAN DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL LABORATORY



REPORT Surface Water Quality Div.
TO District #14
39890 Seven Mile Road
Livonia, MI 48152
ATTEN E. FRIESE

LABORATORY WORK ORDER # 93-10-078
WORK ID VAN LANDFILL/CANTON TWP.
P.O. # 80052 COST $ 741.35
RECEIVED 10/13/93 CLIENT SWQ SE
REPORTED _____ NUMBER OF SAMPLES 1
LAB CONTACT OR IN MATRIX WATER

TEST / UNITS	POOL
Silver by Furnace ug/l	K 0.5
Aluminium in Water ug/l	400
Arsenic by Furnace ug/l	5.7
Barium in Water ug/l	325
Beryllium in Water ug/l	K 1
Calcium in Water mg/l	173
Cadmium by Furnace ug/l	K 0.2
Cobalt (Low Level) ug/l	K 15
Chromium by Furnace ug/l	K 1.0
Copper by Furnace ug/l	1.1
Silver by Furnace - Diss. ug/l (Diss)	K 0.5
Aluminium - Dissolved ug/l (Diss)	K 50
Arsenic by Furnace - Diss. ug/l (Diss)	1.5
Barium - Dissolved ug/l (Diss)	306
Beryllium - Dissolved ug/l (Diss)	K 1
Calcium - Dissolved mg/l (Diss)	173
Cadmium by Furnace - Diss. ug/l (Diss)	K 0.2
Cobalt - Dissolved ug/l (Diss)	K 15
Chromiun by Furnace - Diss ug/l (Diss)	K 1.0

TEST UNITS	POOL
Copper by Furnace - Diss. ug/l (Diss)	K 1.0
Dissolved Iron in Water ug/l (Diss)	30
Mercury - Dissolved ug/l (Diss)	K 0.2
Potassium - Dissolved mg/l (Diss)	29.5
Lithium - Dissolved ug/l (Diss)	9
Magnesium - Dissolved mg/l (Diss)	47
Manganese - Dissolved ug/l (Diss)	390
Molybdenum - Dissolved ug/l (Diss)	K 25
Sodium - Dissolved mg/l (Diss)	565
Nickel by Furnace - Diss. ug/l (Diss)	3.6
Lead by Furnace - Diss. ug/l (Diss)	K 1.0
Antimony - Dissolved ug/l (Diss)	K 1.0
Selenium - Dissolved ug/l (Diss)	K 1.0
Titanium - Dissolved ug/l (Diss)	K 15
Vanadium - Dissolved ug/l (Diss)	K 10
Diss Zn in Water Low Level ug/l (Diss)	27
Iron (Low Level) ug/l	2280
Mercury in Water ug/l	K 0.2
Potassium in Water mg/l	30.1
Lithium (Low Level) ug/l	10
Magnesium in Water mg/l	53
Manganese (Low Level) ug/l	399
Molybdenum in Water ug/l	K 25

TEST UNITS	POOL
Sodium in Water mg/l	562
Nickel by Furnace ug/l	4.7
Lead by Furnace ug/l	K 1.0
Antimony in Water ug/l	K 1.0
Selenium in Water ug/l	K 1.0
Titanium in Water ug/l	K 15
Vanadium in Water ug/l	K 10
Zinc (Low Level) ug/l	12

Report prepared By: D Hartig 12-14-93

SAMPLE ID POOL FRACTION 01A TEST CODE SC 1 NAME Scan 1 Water
Date & Time Collected 10/13/93 Category

ANALYST WILFORD
ANALYZED 10/14/93
DILUTION 1

UNITS ug/L ppb

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
75-01-4	Vinyl chloride	ND		5.0
74-83-9	Bromomethane	ND		5.0
75-00-3	Chloroethane	ND		5.0
75-69-4	Trichlorofluoromethane	ND		5.0
75-35-4	1,1-Dichloroethene	ND		1.0
75-09-2	Methylene chloride	ND		5.0
156-60-5	trans-1,2-Dichloroethene	ND		1.0
75-34-3	1,1-Dichloroethane	ND		1.0
156-59-2	cis-1,2-Dichloroethene	ND		1.0
67-66-3	Chloroform	ND		1.0
71-55-6	1,1,1-Trichloroethane	ND		1.0
56-23-5	Carbon tetrachloride	ND		1.0
107-06-2	1,2-Dichloroethane	ND		1.0
79-01-6	Trichloroethene	ND		1.0
78-87-5	1,2-Dichloropropane	ND		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis-1,3-Dichloropropene	ND		1.0
10061-02-6	trans-1,3-Dichloropropene	ND		1.0
79-00-5	1,1,2-Trichloroethane	ND		1.0
127-18-4	Tetrachloroethene	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
75-25-2	Bromoform	ND		1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0

COMMENTS

ND = not detected at the specified detection limit.

SAMPLE ID POOL FRACTION 01B TEST CODE SC 2 NAME Scan 2 Water
Date & Time Collected 10/13/93 Category

ANALYST WILFORD
ANALYZED 10/14/93
DILUTION 1

UNITS ug/L ppb

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
71-43-2	Benzene	ND		1.0
108-88-3	Toluene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	Xylene isomers	ND		1.0

COMMENTS

ND = not detected at the specified detection limit.

APPENDIX G

Personnel Resumes

production within time and budget constraints. Also coordinates subcontractors and prepares subcontractor agreements for subsurface investigations. Performs technical reviews of Phase I and Phase II environmental site assessment reports. Prepares cost estimates for Phase II subsurface investigations and delineation investigations.

Property Acquisition Due Diligence
Confidential Client, United States
2004, Project Cost: $362,598
Performed due diligence for 600+ sites throughout the United States to assist client in evaluating liability associated with potential acquisition of properties. Worked with group to conduct record searches and obtain site-specific environmental information pertaining to properties. Provided client with summary of environmental concerns associated with the properties which were the basis for the client's purchase offer.

Site Assessment and Phase II ESA
Confidential Client, Coudersport, Pennsylvania
2006, Project Cost: $125,500
Prepared cost estimates for Phase I environmental site assessment and Phase II subsurface investigation. Conducted and coordinated Phase I environmental site assessment and subsurface investigation of sixteen properties to assist client in evaluating liability associated with the acquisition of these properties. Coordinated available resources to perform site visits and subsurface investigation, conduct record searches, and report production. Also coordinated subcontractors and prepared subcontract agreements for subsurface investigation. Analyzed and evaluated soil, groundwater, and indoor air analytical results associated with subsurface investigation. Prepared Phase II environmental assessment report. Performed technical review of Phase I environmental site assessment report.

Site Assessment and Phase II ESA
Confidential Client, New York
Ongoing, Project Cost: $390,635
Prepares cost estimates for Phase I environmental site assessments and Phase II subsurface investigations. Conducts and coordinates Phase I environmental site assessments and subsurface investigation projects to assist client in evaluating liability associated with potential purchasing and leasing involved with property transactions. Coordinates available resources to perform site visits, conduct record searches, and report production. Also coordinates subcontractors and prepares subcontract agreements for subsurface investigations. Analyzed and evaluated soil, groundwater, asbestos, lead paint, radon and indoor air analytical results associated with subsurface investigations. Performs technical reviews of Phase I and Phase II environmental site assessment reports.

APPENDIX B

GEOPHYSICAL SURVEY, BBL, JULY 2003

Transmitted Via Federal Express

July 11, 2003

Mr. Fred Rindhage, P.E.
General Motors Corporation
M/C 483-619-356
1996 Technology Drive
Troy, MI 48083

Re: Geophysical Investigation
NEC Ecorse Road and Michigan Avenue
Van Buren Township, Michigan
BBL Project #: 86805.004

Dear Mr. Rindhage:

This letter provides the findings of a geophysical investigation performed for General Motors Corporation (GM) by Blasland, Bouck, & Lee, Inc. (BBL) on vacant land (herein referred to as the Site) bounded to the south by Ecorse Road, to the west by Michigan Avenue, to the north by railroad tracks, and to the east by the GM Service Parts Organization (SPO) Warehouse building. The purpose of this investigation was to expand on the findings of a Phase I environmental site assessment (ESA) that identified evidence of the operation of a historic dump/landfill, as well as ongoing surface dumping, by performing a non-invasive geophysical survey to investigate the extent of the former landfill or other potential below grade disposal areas.

The geophysical investigation was performed by two BBL personnel during the week of April 14, 2003. The investigation consisted of an electromagnetic (EM) survey to identify areas of elevated measurements (anomalies) and define the location of the anomalies using a global positioning system (GPS). A discussion of the EM survey methodology is provided below, followed by a summary of the results.

EM Survey Methodology

Survey set up and equipment

The EM survey equipment consisted of a Trimble AG-114 GPS system, a Geonics digital EM-31 terrain conductivity meter, and a PRO 4000 data logger. Accessory equipment included a hand-held GPS unit (Garmin), a hand-held compass, and survey flagging. After the initial site review and orientation, the EM survey equipment was set up and operational functions were checked following the manufacturers' procedures. Once the equipment was determined to be operating properly, background measurements were taken in an offsite area to determine a mean apparent conductivity and in-phase values. These background measurements would be later used to compare to onsite measurements to identify areas significantly above or below background values (anomalies).

Background area

A bean field to the north of the site was selected as the background area. Two lines of background data, consisting of about 500 measurements per line, were collected and saved in the data logger. This data was later downloaded and evaluated to calculate mean values for comparison to the site data. The calculated mean apparent conductivity and in-phase values for the background area were determined to be 44.34 millisiemens/meter (ms/m), and -1.54 parts per thousand (ppt), respectively.

Data collection procedures and GPS tracking

Data collection procedures for the EM survey consisted of time linking the EM-31 and the Trimble GPS unit so that the EM data and the GPS positioning data were synchronized. The EM data was collected around the entire perimeter of the Site, and along interior survey lines that were oriented using a separate hand-held GPS unit to provide real-time tracking of survey line positions, and maintain a line spacing of approximately 50 to 100 feet. Due to heavy vegetation and the occasional loss of satellite reception, EM survey line spacing sometimes exceeded 100 feet and in a few cases intersected other EM lines due to the difficulty in orienteering without GPS tracking. This only affected the EM survey line positioning and not the EM data collection positioning since the Trimble GPS unit is a differential receiver and uses both satellite and radio frequency location to provide accurate positioning.

Data management

The EM survey of the site generated a significant amount of EM and GPS data to be managed and evaluated. Over 10,000 EM data measurements and corresponding GPS positioning measurements were collected and stored. Data were downloaded daily and reviewed to assess data consistency and position accuracy. Upon completion of the field survey, the data from each day were merged into a single file for preparation of contour maps.

Contour maps of the apparent conductivity and in-phase measurements were prepared to evaluate site conditions and delineate subsurface anomalies (i.e., historic disposal areas). These results are summarized in the following section.

EM Survey Results Summary

The EM Survey results are provided by the attached two maps, which consist of the Apparent Conductivity Contour Map (Figure 1) and the In-phase Contour Map (Figure 2). The apparent conductivity represents an averaged ground conductivity measured by the instrument over a depth of about 18 feet. The background conductivity as measured in the bean field north of the site had a mean value of 44.34 milliseimens/meter (ms/m). Based on this, the background interval 0 to 50 ms/m has been shaded light greenish blue. Areas of high positive apparent conductivity are shown in gradations increasing from dark gray to white. Areas of negative apparent conductivity are shown as black.

Probable fill areas and/or conductive soils and possible conductive groundwater are apparent as dark gray to light gray shaded areas. The main features (anomalies) to note are the four trench cells located in the northeast quadrant of the site. Three of the cells extend north-south and the fourth trends east-west along the southern edges of the north-south cells. Another area in the center of the site, just west of these four cells may also be another trench or fill area. A fifth possible cell that was described in the FOIA information and provided in the Phase I ESA appears to be located in the northwest corner, along the bank and south of the railroad crossing on Michigan Ave.

The In-phase contour map represents the instruments response to metal, or the secondary magnetic field generated by metallic objects from electromagnetic induction. The background mean in-phase value is -1.54 ppt. Based on this value the interval from 0 to -2 is shaded light greenish blue and represents background, with the light green and dark green shading representing slightly elevated areas. Areas shown as light gray to white have elevated positive in-phase values, while dark gray to black have elevated negative in-phase values.

Historic disposal areas containing metal debris or metallic waste (i.e., incinerator ash with metal, as described in the FOIA information on the former landfill) are likely the same four cells identified by the apparent conductivity contours. The delineation of these trench cells is well defined and correlates very well with the apparent conductivity map. Smaller anomaly areas, consisting of both scattered surface debris and more widespread buried debris, extend from the center of the site west to Michigan Avenue. The areas of scattered surface debris, documented during the Phase I ESA, likely represent more recent dumping that has occurred since the closure of the Van Buren Development Company Landfill.

Another anomaly, noted on Figure 2, is the possible fifth landfill cell located in the northwest corner of the site (south of the railroad tracks across Michigan Ave.). In this area, elevated in-phase readings extend southwest along the length of the slope along the east side of Michigan Avenue. These elevated readings could be associated with the historic disposal areas, or another possibility is that a metal mesh was used for slope stability and could be contributing to these elevated readings. Also, the anomaly along the south side of the site next to Ecorse Road is due to the two gas lines (30-inch and 36-inch) that run along the south side of the Site.

The southeastern quarter of the Site has apparent conductivity and in-phase values that are at or close to background values. This data indicates that historic landfill activities did not occur at the southwest quarter of the Site.

Recommendations

The geophysical survey has been successful in delineating areas on the Site that were used as disposal areas during the operation of the Van Buren Development Company Landfill. The location of the five trench cells that were constructed and used for disposal operations are shown on the attached contour maps. Other historic disposal areas appear to be located in the central and western portions of the Site.

Based on the Phase I ESA information and the findings of the geophysical investigation, BBL presents the following preliminary recommendations for additional Phase II investigation activities for the Site:

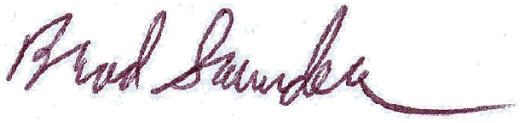
1. Perform surface water sampling along the north and west perimeter of the Site where seeps and drainage swales may be located, and at the one small pond/wetland area observed in the south central area of the Site.

2. Install groundwater monitoring wells at select locations within the Site and around the perimeter of the Site. Survey the wells to provide a preliminary evaluation of the direction of groundwater flow, and sample the wells to evaluate potential impact to groundwater quality from historic disposal activities at the Site. The positioning of the wells will be based on the results of the topographic and geophysical surveys, our understanding of subsurface conditions identified in information obtained through FOIA file search, and the regional hydrogeology.

Additional recommendations will be made based on the results of surface water and groundwater quality analysis. Please contact us if you have any questions.

Sincerely,

BLASLAND, BOUCK & LEE, INC.

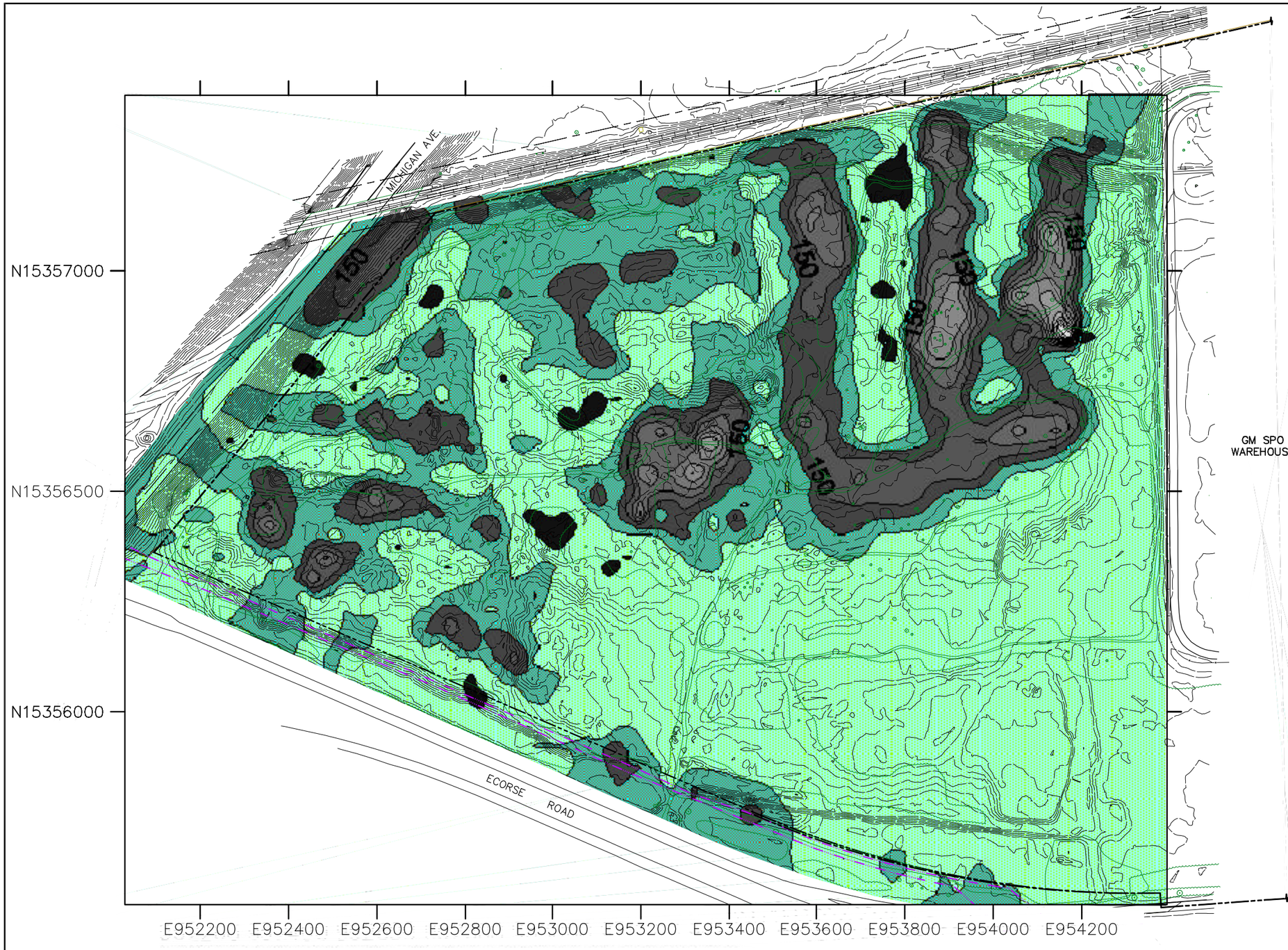


Bradley A. Saunders, P.E.
Project Manager

RAW/bas

Enclosures: Figure 1: Apparent Conductivity Map
Figure 2 In-Phase Contour Map

cc: Amy Hoeksema, BBL, Inc.
Jim Kralik, BBL, Inc.
Lowell McBurney, BBL, Inc.



LEGEND:

- PROPERTY LINE
- FENCE LINE
- GAS LINE
- VEGETATION

KEY:

APPARENT CONDUCTIVITY INTERVAL (us/m)

650 / 600 / 550 / 500 / 450 / 400 / 350 / 300 / 250 / 200 / 150 / 100 / 50 / 0 / -50 / -100

BACKGROUND APPARENT CONDUCTIVITY MEAN **44.34 ms/m**

NOTES:

DRAWING PREPARED FROM ELECTRONIC SURVEY FILE PROVIDED BY ATWELL HICKS SURVEY, APRIL, 2003, UTM COORDINATES, ZONE 17N.

Privileged and Confidential, Prepared at the Request of Counsel

0 120' 240'
GRAPHIC SCALE

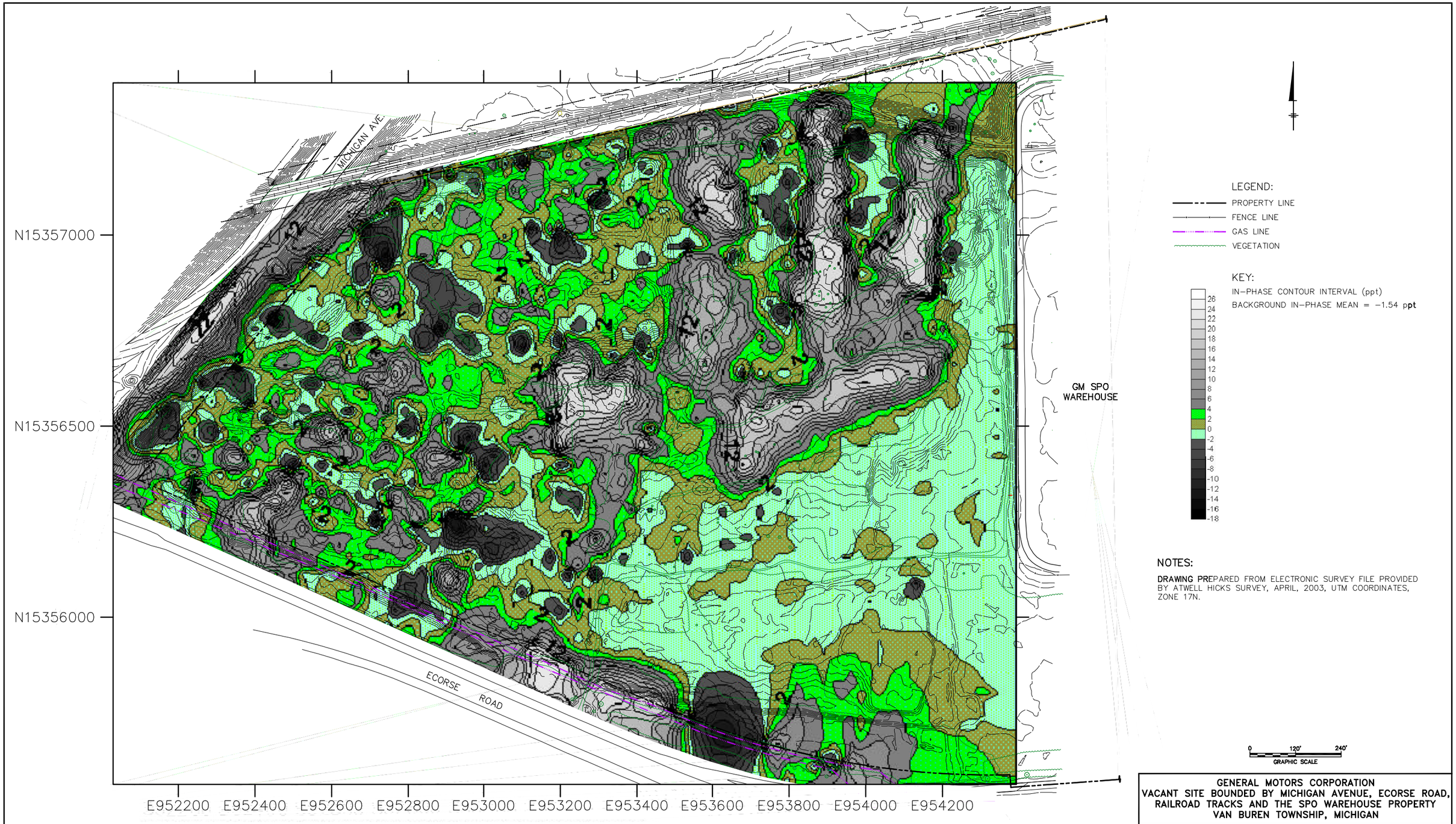
GENERAL MOTORS CORPORATION
VACANT SITE BOUNDED BY MICHIGAN AVENUE, ECORSE ROAD, RAILROAD TRACKS AND THE SPO WAREHOUSE PROPERTY
VAN BUREN TOWNSHIP, MICHIGAN

EM-31 APPARENT CONDUCTIVITY CONTOUR MAP, JULY 2003

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 1

X: 86805X01.DWG, 86805X02.TIFF
L: ON= * OFF= REF*
P: PAGESET/PLT-DL2B, 8500 PLOTTER
7/10/03 SYR-85-RCA ANN-ALY
86805004/86805B06.DWG



LEGEND:

- PROPERTY LINE
- FENCE LINE
- GAS LINE
- VEGETATION

KEY:

IN-PHASE CONTOUR INTERVAL (ppt)

BACKGROUND IN-PHASE MEAN = -1.54 ppt

26, 24, 22, 20, 18, 16, 14, 12, 10, 8, 6, 4, 2, 0, -2, -4, -6, -8, -10, -12, -14, -16, -18

NOTES:

DRAWING PREPARED FROM ELECTRONIC SURVEY FILE PROVIDED BY ATWELL HICKS SURVEY, APRIL, 2003, UTM COORDINATES, ZONE 17N.

0 120' 240'
GRAPHIC SCALE

GENERAL MOTORS CORPORATION
VACANT SITE BOUNDED BY MICHIGAN AVENUE, ECORSE ROAD, RAILROAD TRACKS AND THE SPO WAREHOUSE PROPERTY
VAN BUREN TOWNSHIP, MICHIGAN

EM-31 IN-PHASE CONTOUR MAP
JULY 2003

BBL® BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 2

X: 86805X01.DWG, 86805X03.TIFF
L: ON= * OFF= REF*
P: PAGESET/PLT-DL2B, 8500 PLOTTER
7/10/03 SYR-85-RCA ANN-ALY
86805004/86805B07.DWG

APPENDIX C

LAND CLEARING AND FENCE INSTALLATION, BBL, DECEMBER 2003

Transmitted Via Federal Express

December 16, 2003

Mr. Fred Rindhage, P.E.
General Motors Corporation
Remediation Team m/c 483-520-190
Pontiac Centerpointe Campus
2000 Centerpointe Parkway
Pontiac, MI 48341-3147

Re: Letter Report for Clearing and Fence Installation
Former Landfill
NEC Ecorse Road and Michigan Avenue
Van Buren Township, MI
SF – MI – Van Buren Twp Site – SF
C/M Number: 449168

Dear Mr. Rindhage:

BBL Environmental Services, Inc. (BBLES) is pleased to present this report summarizing completion of a clearing and fence installation project at an approximate 80-acre area of undeveloped, wooded land located in Van Buren Township, Wayne County, Michigan (herein referred to as the Site). The Site is further defined as the area of land bounded to the south by Ecorse Road, to the west by Michigan Avenue, to the north by railroad tracks, and to the east by the General Motors (GM) Service Parts Organization (SPO) Warehouse building. Figure 1 shows the general Site location.

Background

Information obtained from a Phase I Environmental Site Assessment (ESA) and geophysical investigation verified that a closed landfill exists under a large portion of the Site. Installation of a chain link perimeter fence was recommended to mitigate owner liability due to the following factors:

- Unauthorized entry and use of the Site for all-terrain vehicle (ATV) riding was expediting erosion of the landfill cap in several areas at the Site.

- Unauthorized dumping of household and building material waste was occurring regularly at the Site.

- Unauthorized hunting, including the discharge of firearms, occurred at the Site. According to GM, bullets had penetrated the wall of the east-adjacent Service Parts Organization (SPO) warehouse building.

455 East Eisenhower Parkway, Suite 260, Ann Arbor, MI 48108-3324
Tel (734) 668-1133 • Fax (734) 668-1538 • License No.: CB C012018 • www.bbl-inc.com • offices nationwide

- The presence of scattered debris and broken glass on the surface of the Site, coupled with periodic discharge of firearms, resulted in a dangerous setting for both unauthorized occupants and neighbors.

Planning and Approvals

BBLES commenced the planning process by contacting Van Buren Township representatives regarding general plans to clear and secure the Site, and developing a draft fence layout and specifications. The plans encompassed clearing a 10-foot wide path along a 5900 linear foot path for installation of a 7-foot high chain link fence. The fence would exist along the perimeter of the Site and join with the western portion of the existing GM SPO Warehouse fence.

Van Buren Township contracted a representative from McKenna & Associates to walkthrough the Site with BBLES on April 28, 2003. McKenna & Associates reviewed the plans with regards to the township woodlands/tree ordinance and the presence of wetlands along the proposed fence line. Based on the Site walkthrough, McKenna & Associates submitted a letter to Van Buren Township (included in Attachment 1). Based on the letter and potential applicable ordinance requirements, Van Buren Township initially requested that BBLES stake the proposed fence line, and mark and count all trees greater than 5 inches in diameter along a proposed 10-foot wide clearing path. The plans were verbally approved at that time, with potential requirements for mitigation of trees pending. BBLES proceeded by contracting Atwell-Hicks to survey and stake the proposed fence line. BBLES measured trees along the path, and marked those trees with a diameter greater than 5 inches with aluminum tags. The number of trees marked along the path with greater than a 5-inch diameter was 115, with an average trunk diameter of 10.3 inches.

In July 2003, BBLES retained Preferred Fence and Construction (Preferred Fence) to install the fence. Preferred Fence was also required to perform or subcontract services for clearing trees and brush along the fence line, installing gates in the fence, and grading an access roadway from Ecorse Road to a doublewide gate at the southwest corner of the Site. Figure 2 shows the layout of the fence line at the Site and specifies general installation guidelines. Figure 3 gives details of the fence and associated signs posted at the Site.

On August 18, 2003, BBLES sent Van Buren Township a letter requesting formal written approval for the proposed clearing and fence installation. On August 19, 2003, Van Buren Township sent BBLES a letter citing that the proposed clearing and fence installation project was exempt from potentially applicable Van Buren Township ordinance requirements. The project was exempt from tree removal permitting because the Site was classified as an existing developed site given its former use as a landfill. In addition, the perimeter fence installation qualified for an exemption in the interest of public safety and emergencies due to unauthorized off-road vehicle riding destroying the landfill cap and exposing garbage. The BBLES letter and Van Buren Township exemption letter are also included in Attachment 1.

In preparation of Site activities, BBLES prepared a Health and Safety Plan (HASP) for tasks to be performed. For specialty services, reference was made to a subcontractor's health and safety plan.

Mobilization, Clearing and Grading

BBLES and Preferred Fence mobilized to the Site on August 26, 2003. Attachment 2 contains photographs from Site activities taken in sequence. BBLES and Preferred Fence initially mobilized with support vehicles only. Preferred Fence subcontracted Tarr's Tree Service (Tarr's) to perform clearing of the trees. Tarr's mobilized a Hydro-Ax tree cutter and a Roto-Ax brush cutter to the Site on August 26. Tarr's cleared brush and trees along the proposed path from August 27-28. On August 29, Tarr's mobilized a track-mounted backhoe, log skidder and stump grinder to the Site. Tarr's commenced stump grinding on August 29 and early the week of September 1. In addition to the stumps, Tarr's also many of the cleared trees. Cleared vegetation was cut to less than 10 feet in length and pushed to the inside of the property. Clearing was completed on September 2, 2003.

Tarr's mobilized a bulldozer to the Site on September 3, 2003. From September 3 through September 5, the bulldozer was used to grade and level the proposed fence path, as well as the area between Ecorse Road and the future location of the double-wide gate.

Fence Installation

Fence materials were purchased upon receiving approval from Van Buren Township, before clearing activities commenced. Preferred Fence received materials during the first week in September, and disbursed fencing and posts around the perimeter of the Site where the fence would be installed.

Preferred Fence mobilized to commence fence installation activities on September 8, 2003. Preferred Fence initially mobilized a skid-steer with a post hole auger attachment. Posts were set in sequence with augering the holes, commencing along the northeast Site boundary and moving counterclockwise around the perimeter of the Site. After augering holes for the first part of each day, concrete was delivered by Milan Concrete and posts were set in place. All posts were installed and set before hanging and securing the fence, including line posts, corner posts, gate posts, and end posts. Preferred Fence augered holes and set posts from September 8 through September 18.

From September 18 through September 24, Preferred Fence secured top rails and bottom wire to the fence posts. In addition, the two access gates were installed. This included a double-wide vehicle access gate at the southwest corner of the Site and an 8-foot wide single gate at the southeast portion of the Site. From September 25 through September 30, Preferred Fence installed approximately 5,900 linear feet of 7-foot high chain link fence around the perimeter of the Site. The fence ended at posts installed next to the two easternmost portions of the existing GM SPO Warehouse fence. Fence wire was tied between posts at each of the two locations to secure the gaps (approximately 1 foot at each location). Heavy-duty, rust-resistant, hardened steel chains and high strength locks were provided for each gate. Keys for the gates were provided to BBLES, GM Worldwide Facilities Group, and GM SPO Willow Run personnel.

Entrance Roadway, Seeding, Posting and Demobilization

During last week of September when Preferred Fence was installing the chain link fence, gravel was delivered to cover the pathway from Ecorse Road to the double-wide access gate at the southwest corner of the Site. In addition, grass seed was applied to an approximate 10-foot wide area along the entire length of the new fence.

On October 1, 2003, aluminum signs labeled "POSTED – NO TRESPASSING" were nailed to trees at approximate 100-foot intervals within the fence line. Signs were posted and equipment was demobilized from October 1 through October 3.

Closing

Thank you for selecting BBLES to complete this project. Please contact me if you have any questions.

Sincerely,

BBL ENVIRONMENTAL SERVICES, INC.

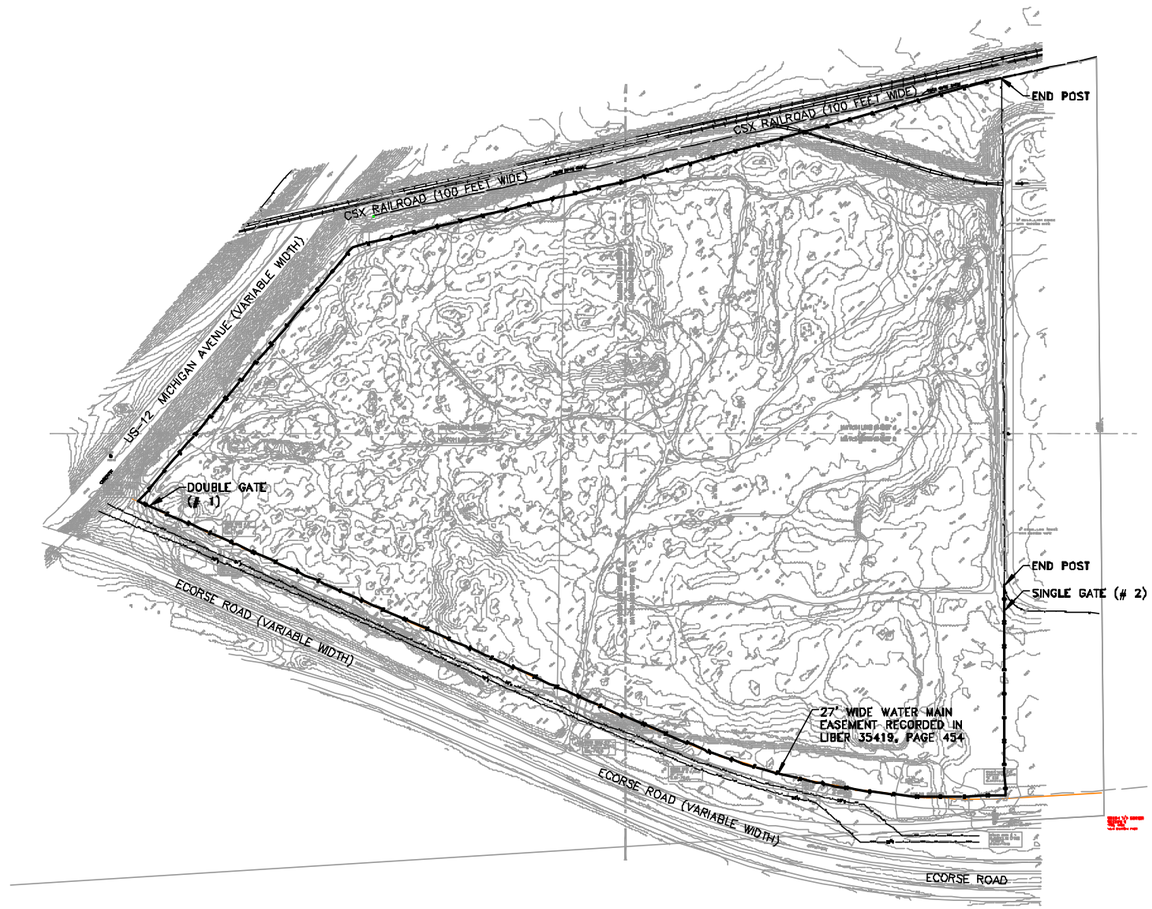


Brad Saunders, P.E.
Project Manager

bas/

Attachments: Figure 1 – Site Location
Figure 2 – Fence Layout and Installation Guidelines
Figure 3 – Fence and Sign Detail
Attachment 1 – Van Buren Township Correspondence and Exemption Letter
Attachment 2 – Project Photographs

cc: Jim Kralik – BBLES
Lowell McBurney, P.E. – BBLES



LEGEND:

- EXISITNG CSX RAILROAD
- EXISITNG FIBEROPTIC LINE
- EXISTING GAS LINE
- EXISTING FENCE
- SURVEYED AND STAKED FENCE LINE (ATWELL-HICKS; MAY 2003)

NOTE:

1. BASE MAP PREPARED FROM A MAP BY ATWELL-HICKS, INC. FEBRUARY 24, 2003.

2. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS IN THE FIELD. THE PROPOSED FENCE LINE HAS BEEN SURVEYED AND MARKED APPROXIMATELY EVERY 50 FEET WITH WOOD LATHS AND PINK RIBBONS.

3. LOCATION OF UNDERGROUND UTILITIES OBTAINED FROM MAP BY ATWELL-HICKS, INC. FEBRUARY 24, 2003. OTHER UNDERGROUND UTILITIES MAY EXIST. THE LOCATION OF WHICH AT THIS TIME ARE UNKNOWN. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UTILITIES IN THE FIELD PRIOR TO INDICATING WORK UNDER THIS CONTRACT.

4. ALL WORK SHALL CONFORM TO ALL APPLICABLE RULES, REGULATIONS, AND CODES INCLUDING, BUT NOT LIMITED TO, THE STATE OF MICHIGAN DEPARTMENT OF TRANSPORTATION CODES AND THE TOWNSHIP OF VAN BUREN ORDINANCES.

5. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE INITIATING WORK UNDER THIS CONTRACT.

6. CONTRACTOR SHALL CONTACT MISS DIG (1-800-482-7171) AT LEAST THREE DAYS BEFORE COMMENCING WORK.

7. CONTRACTOR SHALL RESTORE ALL SURFACES DAMAGED OR DESTROYED AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT TO THEIR PRE-CONSTRUCTION CONDITION IN A TIMELY MANNER.

8. CONTRACTOR SHALL CLEAR AN AREA OF APPROXIMATELY 5' ON EACH SIDE OF FENCE. CLEARED BRUSH AND TREES WILL BE CUT TO LENGTHS NO GREATER THAN 10 FEET AND LEFT WITHIN THE FENCE BOUNDARY.

9. CONTRACTOR SHALL INSTALL A 7-FOOT GALVANIZED CHAIN LINK FENCE AS SHOWN ON DRAWING 2. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER REQUIREMENTS. FENCE SHALL MEET ASTM STANDARDS. SEE TYPICAL CHAIN LINK FENCE DETAIL.

10. DISTURBED AREAS APPROXIMATELY 5' ON EACH SIDE OF FENCE SHALL BE SEEDED AND MULCHED.

11. CONTRACTOR SHALL PROVIDE AND POST PAINTED ALUMINUM SIGNS. SEE SIGN DETAIL ON DRAWING 3.

12. CONTRACTOR SHALL PROVIDE HEAVY DUTY, RUST RESISTANT, HARDENED STEEL CHAINS AND HIGH STRENGTH LOCKS (5 KEYS EACH) FOR THE LOCKING DOUBLE GATE AND SINGLE GATE.

13. CONTRACTOR SHALL NOTIFY THE GENERAL MOTORS REPRESENTATIVE IMMEDIATELY WHEN CONFLICTS BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED.

14. CONTRACTOR SHOULD NOT LEAVE MATERIALS ONSITE UNSECURED.

Privileged and Confidential, Prepared at the Request of Counsel

X: 86805X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/PLT-CDL
12/15/03 ANN-85-PFS
85808003/86808E01.DWG

Graphic Scale
200' 0 200' 400'
1"=200'

THIS DRAWING WAS PREPARED AT THE SCALE INDICATED IN THE TITLE BLOCK. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE TITLE BLOCK TO DETERMINE THE ACTUAL SCALE OF THIS DRAWING.

No.	Date	Revisions	Init

NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

Project Mgr. _____
Designed by _____
Drawn by _____
Checked by _____
Prof. Eng. _____
PE License _____

BBL ENVIRONMENTAL SERVICES, INC. Remedial Management & Construction

GENERAL MOTORS CORPORATION • VAN BUREN TWP
FENCE INSTALLATION

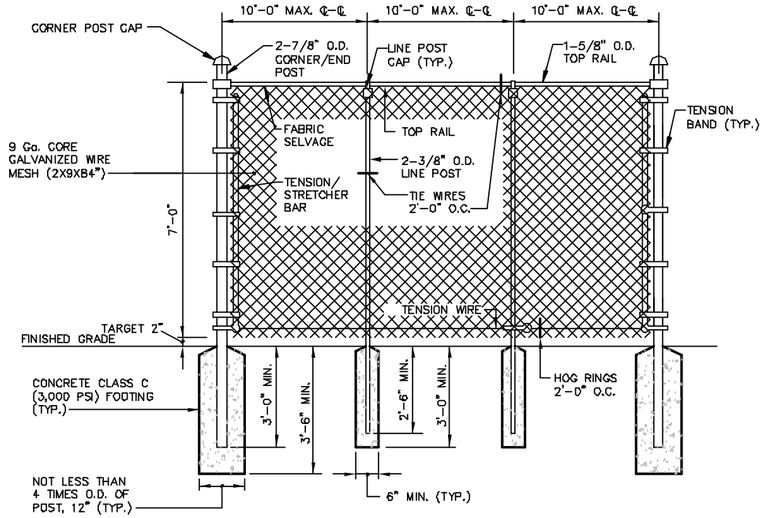
FENCE LAYOUT & INSTALLATION GUIDELINES

GENERAL

File Number 86808
Date SEPTEMBER 2003

BBLES, Inc.
Corporate Headquarters
6723 Towpath Road
Syracuse, NY 13214
315-446-9120

2



NOTES:

1. POSTS, RAILS, BANDS, TENSION MATERIALS AND ANY OTHER ANCILLARY METAL FITTINGS SHALL BE GALVANIZED STEEL CONSTRUCTION (SCHEDULE 40 FOR PIPE MATERIAL).
2. CONCRETE SHALL BE TAMPED & RODDED IN PLACE.
3. FENCE SHALL MEET ASTM STANDARDS.
4. THE DOUBLE WIDE GATE (# 1) SHALL BE 12' WIDE AND POSTED ON EACH END.
5. GATE POSTS (# 1 AND # 2) SHALL BE 4" O.D.

TYPICAL WALL CHAIN LINK FENCE DETAIL

NOT TO SCALE



NOTE:

PROVIDE AND INSTALL APPROXIMATELY 65 RUST RESISTANT, ALUMINUM, 12" HIGH BY 18" WIDE SIGNS ON BOTH GATES AND ON TREES APPROXIMATELY 5' INSIDE FENCE. LINE FENCE AT INTERVALS OF NO GREATER THAN 100'.

SIGN DETAIL

NOT TO SCALE

X:
L: ON=*, OFF=*REF*
P: PAGESET/PLT-GDL
12/15/03 ANN-85-PFS
86808003/86808G01.DWG

Graphic Scale

THIS DRAWING WAS PREPARED AT THE SCALE INDICATED IN THE TITLE BLOCK. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE TITLE BLOCK TO DETERMINE THE ACTUAL SCALE OF THIS DRAWING.

No.	Date	Revisions	Init

NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

Project Mgr. _____
Designed by _____
Drawn by _____
Checked by _____
Prof. Eng. _____
PE License _____

BBL ENVIRONMENTAL SERVICES, INC. Remedial Management & Construction

GENERAL MOTORS CORPORATION • VAN BUREN TWP
FENCE INSTALLATION

FENCE & SIGN DETAIL

GENERAL

File Number 86808

Date SEPTEMBER 2003

BBLES, Inc.
Corporate Headquarters
6723 Towpath Road
Syracuse, NY 13214
315-446-9120

3

Charter Township of Van Buren

BOARD OF TRUSTEES

SUPERVISOR Cindy C. King
CLERK Joannie D. Payne
TREASURER Sharry A. Budd
TRUSTEE Phillip C. Hart
TRUSTEE John A. Herman
TRUSTEE Jeffrey L. Jahr
TRUSTEE Walter S. Rochowiak

August 19, 2003

Brad Sanders
Blasland, Bouck & Lee, INC.
Engineers & Scientists
455 E Eisenhower Pkwy Suite 260
Ann Arbor MI 48108

Subject: Tree Permit Exemption

Dear Brad:

In addition the erection of a fence at this address will not require a tree removal permit because the property is classified as an existing developed site per Section 4.45 E-5 of the Van Buren Township Zoning Ordinance.

Perimeter fencing around the existing 1960's landfill property qualifies the site for an exemption under Section 4.45 E-3 (e) and (h) for Public Safety and emergencies due to the off road vehicles destroying the landfill cap and exposing garbage creating a public health issue.

If you have any questions regarding this decision, please contact me at (734)699-8913.

Very truly yours,

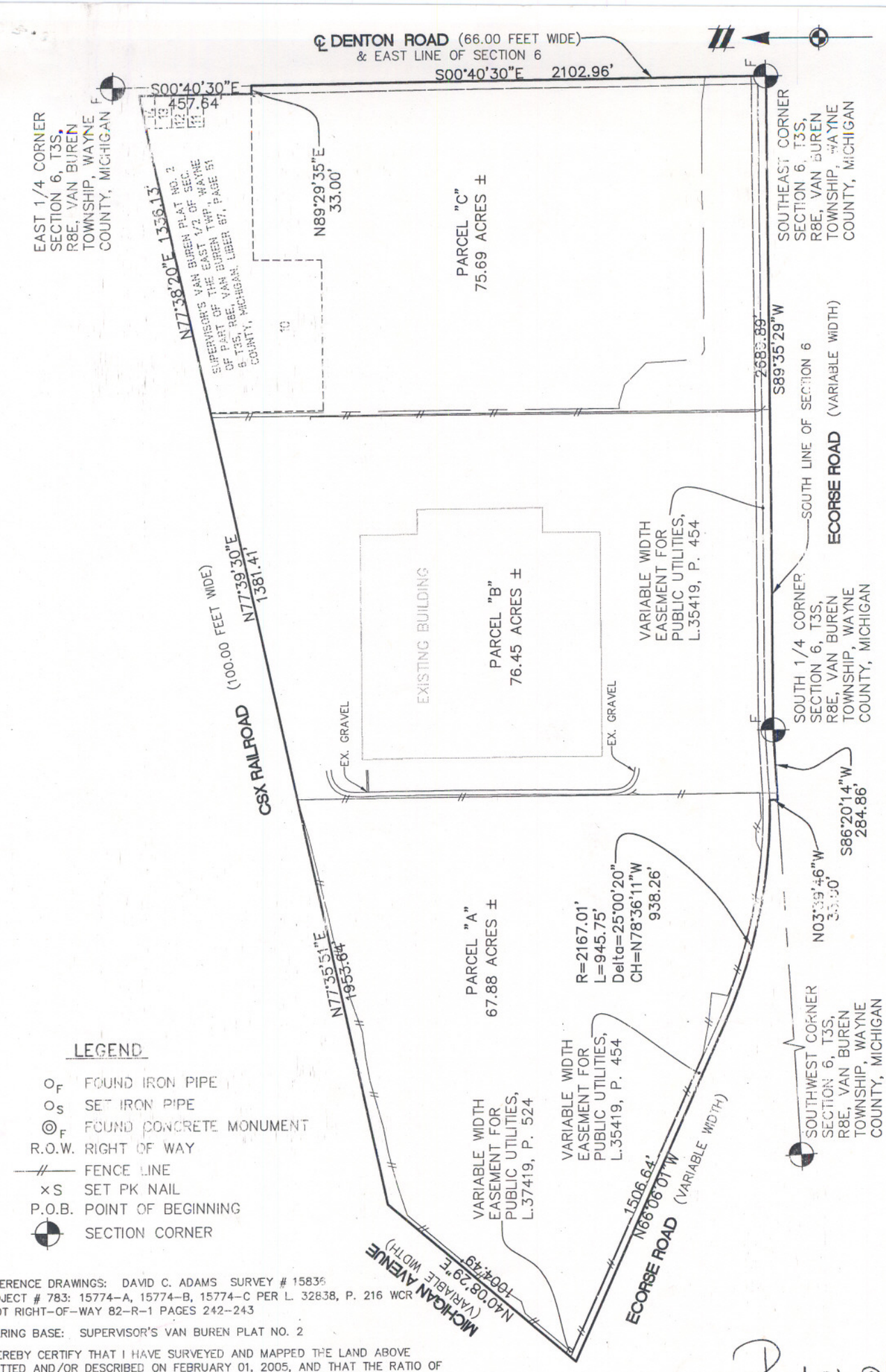
Steve Pugsley, AICP, PCP
Zoning & Planning Administrator

Cc: Brenda Hawley

46425 Tyler Road, Van Buren Twp., MI 48111-5217 Website: *vanburen-mi.org*
Telephone 734.699.8900 Fax 734.699.5213

APPENDIX D

PROPERTY SURVEY, ATWELL-HICKS, FEBRUARY 2005



LEGEND

- O_F FOUND IRON PIPE
- O_S SET IRON PIPE
- $\odot_F$ FOUND CONCRETE MONUMENT
- R.O.W. RIGHT OF WAY
- —//— FENCE LINE
- ×S SET PK NAIL
- P.O.B. POINT OF BEGINNING
- SECTION CORNER

REFERENCE DRAWINGS: DAVID C. ADAMS SURVEY # 15836
PROJECT # 783: 15774-A, 15774-B, 15774-C PER L. 32838, P. 216 WCR
MDOT RIGHT-OF-WAY 82-R-1 PAGES 242--243

BEARING BASE: SUPERVISOR'S VAN BUREN PLAT NO. 2

I HEREBY CERTIFY THAT I HAVE SURVEYED AND MAPPED THE LAND ABOVE PLATTED AND/OR DESCRIBED ON FEBRUARY 01, 2005, AND THAT THE RATIO OF CLOSURE ON THE UNADJUSTED FIELD OBSERVATIONS OF SUCH SURVEY WAS 1/5000, AND THAT ALL OF THE REQUIREMENTS OF P.A. 132 1970, AS AMENDED HAVE BEEN COMPLIED WITH.

PROFESSIONAL SURVEYOR
NUMBER 49301

STATE OF MICHIGAN
BRAD E. G. OLIVER
PROFESSIONAL SURVEYOR
NO. 49301
LICENSED PROFESSIONAL SURVEYOR

CLIENT
LAND AMERICA

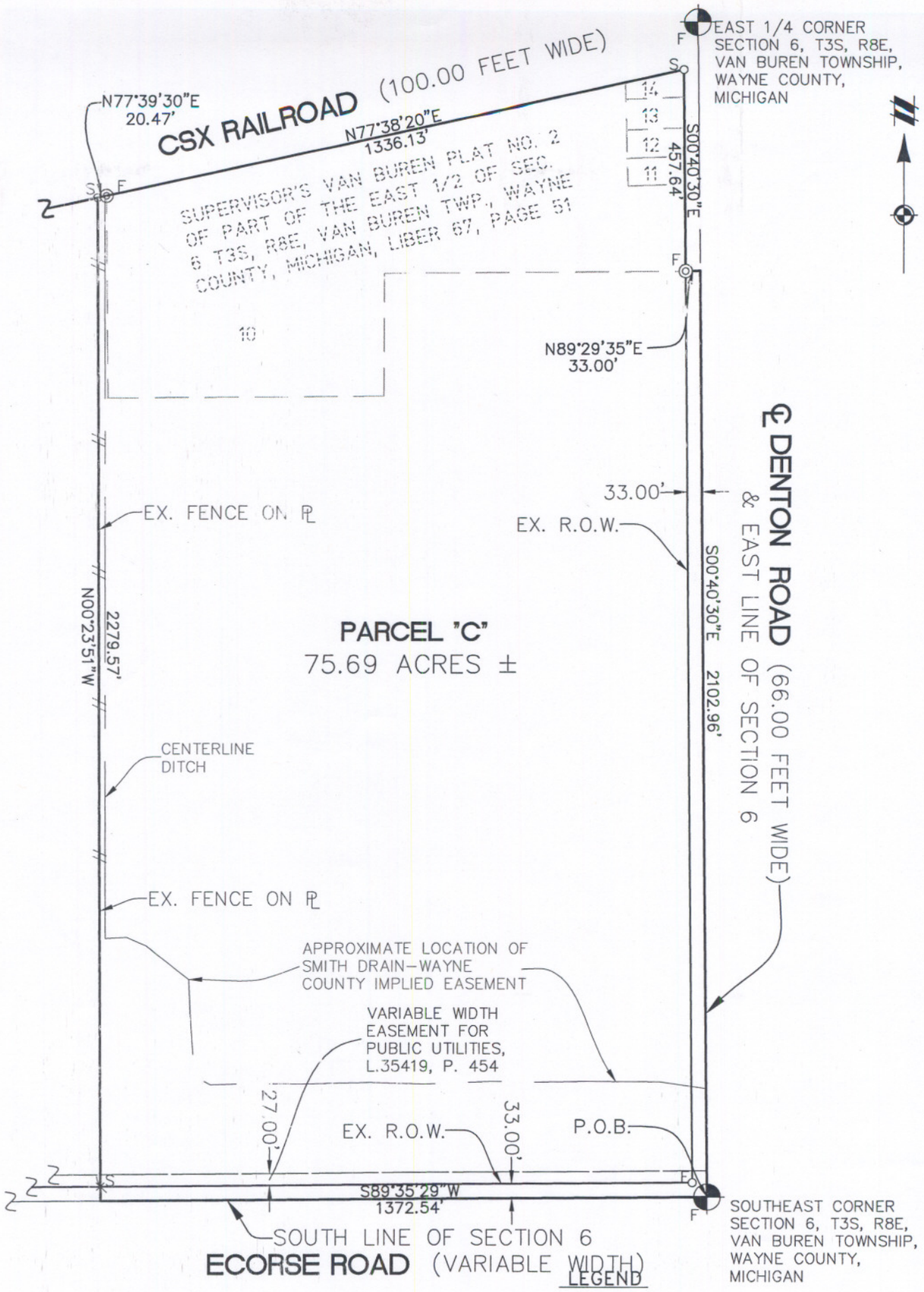
ACT 132 LOT SPLIT
OF A 220 ± ACRE
PARCEL OF LAND
IN

SECTION 6 TOWN 3 SOUTH, RANGE 8 EAST
VAN BUREN TOWNSHIP
WAYNE COUNTY

SCALE:
1 INCH = 500 FEET
0 250 500

ATWELL-HICKS
Engineering • Surveying • Planning
Environmental • Water/Wastewater
866 850 4200
www.atwell-hicks.com
MICHIGAN ILLINOIS OHIO

JOB: 05000049.10	CAD 5000049SU-01
DR. DLN	CH. BEGO
BOOK 309	PG. 13-20
SHEET 1 OF 5	DATE: 02-01-05
FILE NO. 5227-244	



REFERENCE DRAWINGS: DAVID C. ADAMS SURVEY # 15836
PROJECT # 783: 15774-A, 15774-B, 15774-C PER L. 32838, P. 216 WCR
MDOT RIGHT-OF-WAY 82-R-1 PAGES 242-243

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LEGEND

O_F	FOUND IRON PIPE
O_S	SET IRON PIPE
$\odot_F$	FOUND CONCRETE MONUMENT
R.O.W.	RIGHT OF WAY
//	FENCE LINE
×S	SET PK NAIL
P.O.B.	POINT OF BEGINNING
⊕	SECTION CORNER

PROFESSIONAL SURVEYOR
NUMBER 49301

STATE OF MICHIGAN
BRAD E. G. OLIVER
PROFESSIONAL SURVEYOR
NO. 49301
LICENSED PROFESSIONAL SURVEYOR

CLIENT
LAND AMERICA

SURVEY OF PARCEL "C"
A 75.69 ACRE PARCEL
OF LAND
IN

SECTION 6 TOWN 3 SOUTH, RANGE 8 EAST
VAN BUREN TOWNSHIP
WAYNE COUNTY

SCALE:
1 INCH = 300 FEET
0 150 300

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JOB: 05000049.10	CAD 5000049SU-01
DR. DLN	CH. BEGO
BOOK 309	PG. 13-20
SHEET 4 OF 5	DATE: 02-01-05
FILE NO. 5227-244C	