

COVER SOIL SUMMARY

United States Postal Services (USPS) Processing and Distribution Center Pontiac, MI

The purpose of this document is to provide a summary of cover soil sampling and analysis during the construction of the United States Postal Service (USPS) Processing and Distribution Center (P&DC) in Pontiac, Michigan. To mitigate potential direct contact with surface soil at the site, and to reduce the potential of runoff that flows to the on-site storm water detention ponds from making contact with the existing impacted soils, the installation of a soil barrier above the uncovered areas of the site was proposed. Therefore, the sole purpose of this document is to provide a summary of cover soil sampling and analysis. This document does not address design considerations, feasibility of the site cover remedy, or other site conditions. This document is meant only to address the suitability of soil imported to the site.

SITE BACKGROUND

Upon consideration of several sources, only two areas at one location were ultimately chosen as a suitable borrow sources (Area #1 and Area #2). This location, known as M-59 & Adams, provided a sufficient volume of acceptable soil to be used at the site.

To provide an initial assessment of the M-59 & Adams site, MSG contacted Environmental Data Resources (EDR) to procure available documentation on the potential borrow source. These documents are associated with background/due diligence information on the M-59 & Adams site:

Attachment A - EDR Radius Map Report for the M-59 & Adams site

Attachment B - Historical aerial photographs of the M-59 & Adams site.

Attachment C - No Sanborn Map Coverage certificate of the M-59 & Adams site.

Attachment D - Historical Chain of Title Report for the M-59 & Adams site

Based on a review of the available information obtained from EDR, the M-59 & Adams borrow source property and adjacent sites are not of environmental concern in regard to the use of the imported soil.

SOIL SAMPLING

Three sampling events were conducted in order to characterize the cover soil obtained from the M-59 & Adams site. The first sampling event (Area #1) occurred on 8/16/06, and was conducted to obtain an initial characterization of the cover soil. This event included the sampling and analysis of 16 soil samples. However, because the initial sampling had not fully characterized the soils in Area #1, soil from Area #1 was sampled (the second sampling event) as it was brought to the site at a frequency of one sample per 1,000 in-place cubic yards (1,500 truck yards). The selection of the samples was made by randomly selecting truck loads, so that the frequency stated above was satisfied. Loads that were chosen for sample collection were sampled after the trucks had dumped the load onto the site. As soils were being placed on site, care was taken so that previously placed soils were not driven over or managed with equipment that had not already been approved for use. As soils were being placed, field personnel recorded the truck number, time of unloading, soil volume, soil source, and any other notable conditions. Field personnel utilized existing quadrant maps prepared for the site to document the placement of all loads. In all, 38 onsite soil samples were collected and analyzed from the imported material.

The third sampling event was conducted at Area #2, and a full characterization was made so that additional onsite sampling would be unnecessary. At Area #2, soil sampling was also conducted at a frequency of one sample per 1,000 in-place cubic yards. The proposed borrow source at Area #2 was measured to determine the amount of fill soil available at the source, and the anticipated volume expected to be removed from the source. Potential soil sample locations were identified by placing a grid across Area#2, and the selection of sample locations were made at randomly selected grid locations. Sufficient grid locations were identified to satisfy the above-mentioned frequency of one sample per 1,000 in-place cubic yards. Grid adjustments for depth and areal extent of the soil at Area #2 were made to satisfy the stated sampling frequency. In all, 23 soil samples were collected and analyzed from the material at Area #2. The following two figures show the locations of soil sampling during the three sampling events:

Attachment E - Site plan of the M-59 & Adams borrow source, showing the locations of soil sample collection in Area #1 and Area #2 (includes field notes on specific sample locations).

Attachment F - Site plan of the USPS Pontiac site, showing the locations of onsite soil samples.

All sampling and analyses were conducted in accordance with the previously submitted "Off-Site Borrow Source Sampling and Analysis Plan, United States Postal Services (USPS) Processing and Distribution Center, Pontiac, MI" (**Attachment G**) and in accordance with Michigan Department of Environmental Quality (MDEQ) Remediation and Redevelopment Division (RRD) Operational Memorandum No. 2 "Sampling and Analysis Target Detection Limits and Designated Analytical Methods". All soil samples were analyzed for the Michigan 10 metals and manganese, volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).

SOIL SAMPLING RESULTS

Upon receipt of the soil sample analytical data, the results were entered into spreadsheets and subjected to statistical analyses to calculate a 95% upper confidence limit (UCL). Attachments H through J detail the results of the laboratory testing and contain the outcome of the 95% UCL calculations. Specifically, the data are included herein as follows.

Attachment H - This table contains the soil characterization analytical data from the original M-59 & Adams source sampling (Area#1) that was conducted on 8/16/06 (16 soil samples).

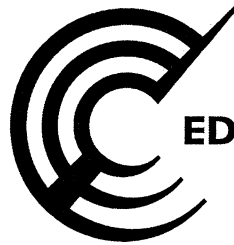
Attachment I - This table contains the soil characterization analytical data from the 38 onsite soil samples that were collected between 9/19/06 and 11/6/06, and combines the data from the original M-59 & Adams source sampling (16 soil samples) to calculate a 95% UCL.

Attachment J - This table contains the soil characterization analytical data from the second borrow source at the M-59 & Adams site (Area #2) and calculates a 95% UCL. This sampling was conducted on 10/11/06.

The 95% UCL for each parameter were compared to State of Michigan Part 201 Residential and Commercial I generic cleanup criteria and screening levels. As shown in Attachments H through J, the 95% UCL of reported concentrations of the soil obtained from the aforementioned borrow sources are below Part 201 Residential and Commercial I generic cleanup criteria and screening levels.

ATTACHMENT A

EDR RADIUS MAP REPORT
THE MANNIK & SMITH GROUP, INC.



EDR® Environmental
Data Resources Inc

The EDR Radius Map™ Report

**2437 S Adams Road
2437 S Adams Road
Rochester, MI 48309**

Inquiry Number: 1751628.3s

September 08, 2006

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**

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GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

2437 S ADAMS ROAD
ROCHESTER, MI 48309

COORDINATES

Latitude (North): 42.644500 - 42° 38' 40.2"
Longitude (West): 83.203600 - 83° 12' 13.0"
Universal Tranverse Mercator: Zone 17
UTM X (Meters): 319347.4
UTM Y (Meters): 4723478.0
Elevation: 862 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-F2 ROCHESTER, MI
Most Recent Revision: 1997

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
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information

EXECUTIVE SUMMARY

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
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields 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
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SWF/LF	Solid Waste Facilities Database
HIST LF	Inactive Solid Waste Facilities
UST	Underground Storage Tank Facility List
AST	Aboveground Tanks
PEAS	Pollution Emergency Alerting System
AUL	Engineering and Institutional Controls
DRYCLEANERS	Drycleaning Establishments
BROWNFIELDS	Brownfields and USTfield Site Database
NPDES	List of Active NPDES Permits
AIRS	Permit and Emissions Inventory Data
BEA	BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

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.

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

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FANUC ROBOTICS AMERICA INC	3900 W HAMLIN ROAD	1/8 - 1/4NW	1	6

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 05/18/2006 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FORMER GP PLASTICS (IN-MOLD MF Facility Status: Interim Response in progress	3900 INDUSTRIAL DRIVE	1/4 - 1/2SW	A3	7

DEL SHWS: Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does support it's listing or the site no longer meets criteria specified in rules.

A review of the DEL SHWS list, as provided by EDR, and dated 05/30/2006 has revealed that there is 1 DEL SHWS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
JBD ROCHESTER LLC	3992 AUBURN RD	1/2 - 1 SSW	5	8

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 06/13/2006 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ARROW RACING ENGINES, INC Facility Status: Closed	3811 INDUSTRIAL DR	1/4 - 1/2SW	2	6
PAGE CABINET CORP Facility Status: Open	3909 INDUSTRIAL DR	1/4 - 1/2SW	A4	7

EXECUTIVE SUMMARY

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

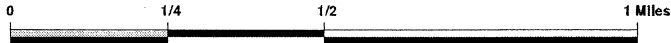
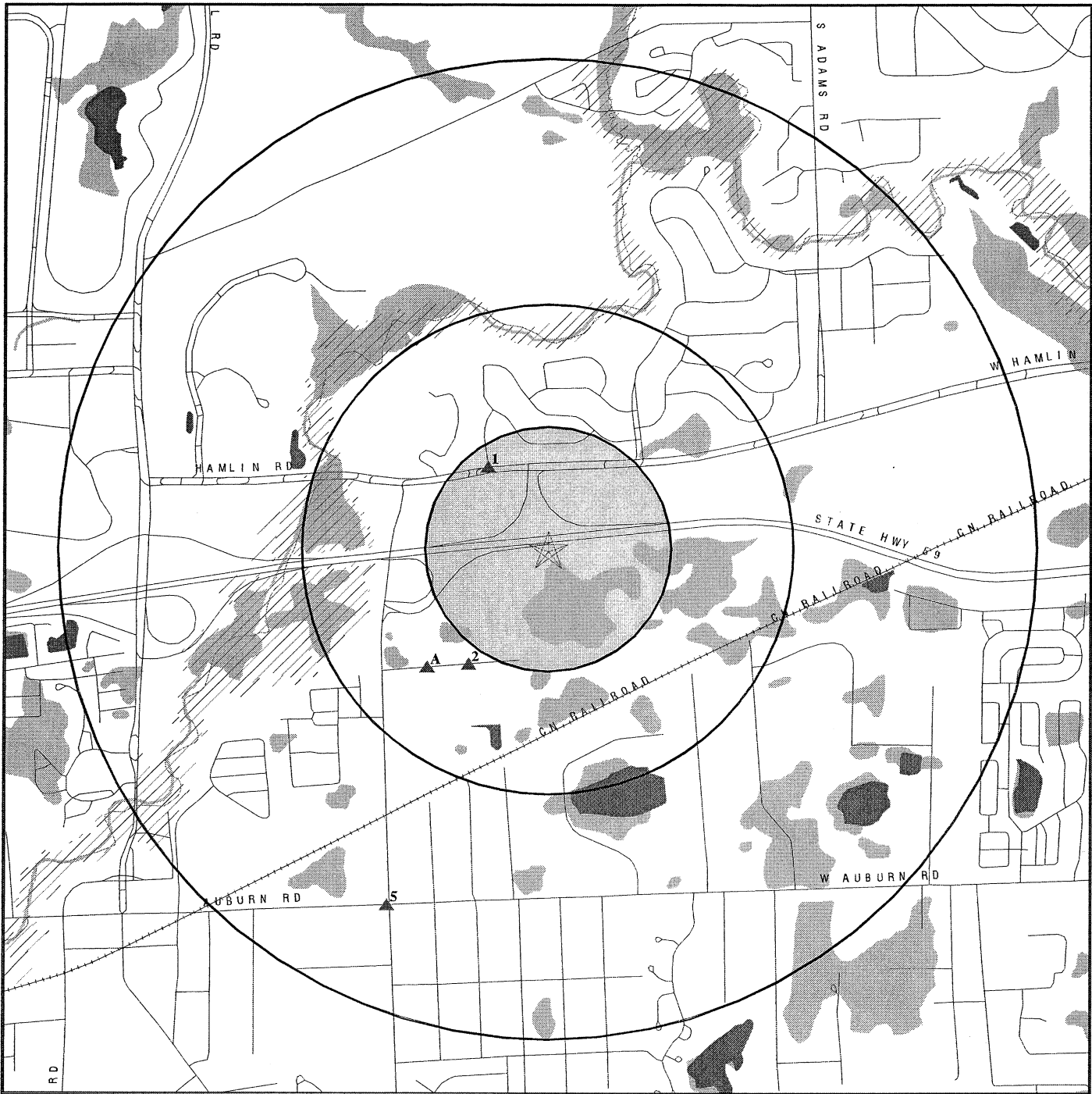
Site Name

JOSLYN ROAD OIL SPILL
WALTON & ADAMS LLC
MI DEPT/TRANSPORTATION ROAD
MI DEPT/TRANSPORTATION BRIDGE S04-63043
E D S LAZER TECH
CONSUMERS ENERGY
MI DEPT/TRANSPORTATION ROAD

Database(s)

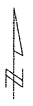
SHWS, BEA
LUST, UST, AUL
RCRA-SQG
RCRA-SQG
RCRA-SQG, FINDS
RCRA-LQG
FINDS

OVERVIEW MAP - 1751628.3s



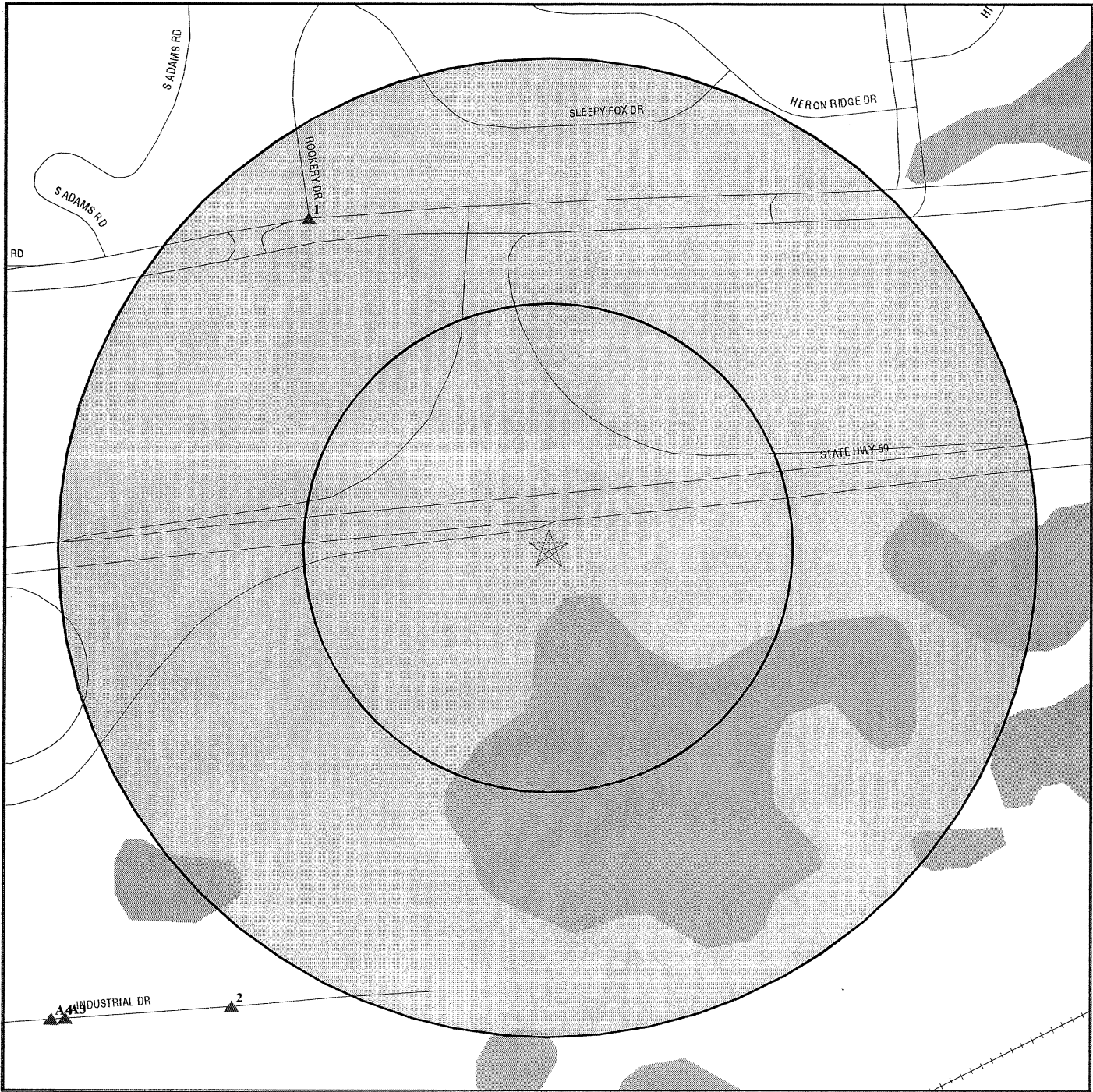
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

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



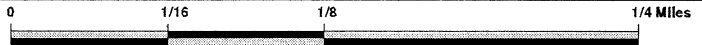
<p>SITE NAME: 2437 S Adams Road ADDRESS: 2437 S Adams Road Rochester MI 48309 LAT/LONG: 42.6445 / 83.2036</p>	<p>CLIENT: The Mannik & Smith Group CONTACT: Tom Peters INQUIRY #: 1751628.3s DATE: September 08, 2006 5:44 pm</p>
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DETAIL MAP - 1751628.3s



- ★ 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

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



SITE NAME: 2437 S Adams Road
ADDRESS: 2437 S Adams Road
 Rochester MI 48309
LAT/LONG: 42.6445 / 83.2036

CLIENT: The Mannik & Smith Group
CONTACT: Tom Peters
INQUIRY #: 1751628.3s
DATE: September 08, 2006 5:44 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	1	NR	NR	NR	1
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
State Haz. Waste		1.000	0	0	1	0	NR	1
DEL SHWS		1.000	0	0	0	1	NR	1
State Landfill		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	2	NR	NR	2
UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
PEAS	TP		NR	NR	NR	NR	NR	0
AUL		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
BEA		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>TRIBAL RECORDS</u>								
		1.000	0	0	0	0	NR	0
		0.500	0	0	0	NR	NR	0
		0.250	0	0	NR	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)
 EDR ID Number
 EPA ID Number

1
NW
1/8-1/4
1099 ft.

FANUC ROBOTICS AMERICA INC
3900 W HAMLIN ROAD
ROCHESTER HILLS, MI 48309

RCRA-SQG **1000130147**
FINDS **MID053293007**

Relative:
Higher

RCRAInfo:
 Owner: FANUC ROBOTICS AMERICA INC
 EPA ID: MID053293007
 Contact: GWEN SPICKLER
 (248) 377-7000

Actual:
881 ft.

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	01/19/1995
Actual Date Achieved Compliance:	02/10/1995
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	01/19/1995
Penalty Type:	Not reported

There are 1 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-OTHER REQUIREMENTS	19950210

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.

2
SW
1/4-1/2
1502 ft.

ARROW RACING ENGINES, INC
3811 INDUSTRIAL DR
ROCHESTER HILLS, MI 48309

LUST **S105213679**
N/A

Relative:
Higher

LUST:
Facility Status: **Closed**
 Facility ID: 00021665
 Owner Name: Arrow Racing Engines, Inc
 Owner Address: 3811 Industrial Dr
 Owner City,St,Zip: Rochester Hills, MI 48309-3116
 Country: USA
 Owner Contact: Not reported
 Owner Phone: (313) 852-5151
 District: SE Michigan District Office
 Leak Number: C-1012-92
 Release Date: Jun 18 1992
 Site Name: Arrow Racing
 Substance Released: Gasoline
 Closed Date: Aug 23 1995

Actual:
890 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s) EDR ID Number
 EPA ID Number

A3 **FORMER GP PLASTICS (IN-MOLD MFG)**
SW **3900 INDUSTRIAL DRIVE**
1/4-1/2 **ROCHESTER HILLS, MI 48309**
1814 ft.

SHWS **S106984589**
 N/A

Site 1 of 2 in cluster A

Relative:
Higher

Actual:
889 ft.

SHWS:
 Facility ID: 63005143
 Source: Plastics Products
 SAM Score: 32 out of 48
 SAM Score Date: 03/08/2004
 Township: 3N
 Range: 11E
 Section: 30
 Quarter: null
 Quarter/Quarter: null
Facility Status: **Interim Response in progress**
 Pollutant(s): null

A4 **PAGE CABINET CORP**
SW **3909 INDUSTRIAL DR**
1/4-1/2 **ROCHESTER HILLS, MI 48309**
1844 ft.

LUST **U000262636**
UST **N/A**

Site 2 of 2 in cluster A

Relative:
Higher

Actual:
887 ft.

LUST:
Facility Status: **Open**
 Facility ID: 00002024
 Owner Name: Page Cabinet Corp
 Owner Address: 3909 Industrial Dr
 Owner City,St,Zip: Rochester Hills, MI 48309-3118
 Country: USA
 Owner Contact: Not reported
 Owner Phone: (313) 852-0700
 District: SE Michigan District Office
 Leak Number: C-0603-94
 Release Date: Jun 8 1994
 Site Name: Page Cabinet
 Substance Released: Gasoline
 Closed Date: Not reported

UST:

Facility Status: **CLOSED**
 Owner Name: Page Cabinet Corp
 Owner Address: 3909 Industrial Dr
 Owner City,St,Zip: Rochester Hills, MI 48309-3118
 Owner Country: USA
 Owner Contact: Not reported
 Owner Phone: (313) 852-0700
 Facility ID: 00002024
 Contact: BERNARD GRZENA
 Contact Phone: (313) 852-0700
 Tank ID: 1
Tank Status: **Closed in Ground**
 Capacity: 1000
 Install Date: Apr 20 1972
 Product: Not reported
 Remove Date: Jul 3 1990
 Tank Release Detection: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PAGE CABINET CORP (Continued)

U000262636

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

5
SSW
1/2-1
4196 ft.

JBD ROCHESTER LLC
3992 AUBURN RD
AUBURN HILLS, MI 48326

RCRA-SQG 1000529410
FINDS MID985618495
DEL SHWS

Relative:
Higher

RCRAInfo:
 Owner: JBD ROCHESTER LLC
 EPA ID: MID985618495

Actual:
879 ft.

Contact: BRIAN CHMIELEWSKI
 (517) 485-3333

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

Violation Status: Violations exist

Regulation Violated: Not reported
 Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Date Violation Determined: 03/16/1998
 Actual Date Achieved Compliance: 04/02/1998
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 03/16/1998
 Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19980402

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.

DELETED HWS:

Facility ID: 63000875
 Status: Delisted - no longer meets criteria specified in rules

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
AUBURN HILLS	1009217249	CONSUMERS ENERGY	2544 ADAMS RD	48326	RCRA-LQG
AUBURN HILLS	S105144544	JOSLYN ROAD OIL SPILL	3681 JOSLYN ROAD	48326	SHWS, BEA
ROCHESTER	1008900047	MI DEPT/TRANSPORTATION ROAD	SEC 29,30 T3NS R11E	48309	FINDS
ROCHESTER	1008403686	MI DEPT/TRANSPORTATION ROAD	SEC 29,30 T3NS R11E	48309	RCRA-SQG
ROCHESTER	1007098263	MI DEPT/TRANSPORTATION BRIDGE S04-63043	M-59 UNDER ADAMS ROAD	48309	RCRA-SQG
ROCHESTER HILLS	1000909272	E D S LAZER TECH	2359 AVON IND DR	48309	RCRA-SQG, FINDS
ROCHESTER HILLS	U003323675	WALTON & ADAMS LLC	2995 WALTON & ADAMS	48309	LUST, UST, AUL

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: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/30/2006
	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: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/30/2006
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/21/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	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: 06/19/2006	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 703-413-0223
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/18/2006
	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: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 08/22/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	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	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/25/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/23/2006
	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: 07/03/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/19/2006	Telephone: 202-366-4555
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/19/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/16/2006
	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: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	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: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	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: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 08/11/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 11/06/2006
	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: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	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: 07/10/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/13/2006	Telephone: 202-566-2777
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 55	Next Scheduled EDR Contact: 09/11/2006
	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	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 07/24/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/23/2006
	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: 07/10/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 703-416-0223
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 202-564-6064
Date Made Active in Reports: 08/22/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

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	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/18/2006
	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	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/16/2006
	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: 07/14/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 07/14/2006	Source: EPA
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/18/2006
	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	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/16/2006
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/07/2006	Source: EPA
Date Data Arrived at EDR: 08/09/2006	Telephone: 202-566-0500
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/09/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/06/2006
	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: 07/10/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/20/2006	Telephone: 301-415-7169
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/02/2006
	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: 05/16/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/28/2006	Telephone: 303-231-5959
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/21/2006	Source: EPA
Date Data Arrived at EDR: 07/25/2006	Telephone: N/A
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 43	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 09/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/04/2006
	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	Source: EPA/NTIS
Date Data Arrived at EDR: 06/17/2005	Telephone: 800-424-9346
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 07/21/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 09/11/2006
	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: 05/18/2006	Source: Department of Environmental Quality
Date Data Arrived at EDR: 05/24/2006	Telephone: 517-373-9541
Date Made Active in Reports: 06/08/2006	Last EDR Contact: 08/23/2006
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/20/2006
	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 its listing or the site no longer meets criteria specified in rules.

Date of Government Version: 05/30/2006	Source: Department of Environmental Quality
Date Data Arrived at EDR: 05/30/2006	Telephone: 517-373-9541
Date Made Active in Reports: 06/08/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/01/2006	Source: Department of Environmental Quality
Date Data Arrived at EDR: 05/15/2006	Telephone: 517-335-4035
Date Made Active in Reports: 06/08/2006	Last EDR Contact: 08/07/2006
Number of Days to Update: 24	Next Scheduled EDR Contact: 10/23/2006
	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/28/2003	Telephone: 517-335-4034
Date Made Active in Reports: 03/06/2003	Last EDR Contact: 02/28/2003
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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: 06/13/2006	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/14/2006	Telephone: 517-373-9837
Date Made Active in Reports: 07/17/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Annually

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: 06/13/2006	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/14/2006	Telephone: 517-373-8168
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 43	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 06/21/2006	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/22/2006	Telephone: 517-373-8168
Date Made Active in Reports: 08/03/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/11/2006
	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: 07/03/2006	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/07/2006	Telephone: 517-373-8427
Date Made Active in Reports: 08/09/2006	Last EDR Contact: 07/07/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AUL: Engineering and Institutional Controls

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

Date of Government Version: 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: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 02/16/2006
Date Data Arrived at EDR: 03/30/2006
Date Made Active in Reports: 04/18/2006
Number of Days to Update: 19

Source: Department of Environmental Quality
Telephone: 517-335-4586
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 11/13/2006
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: 07/12/2006
Date Data Arrived at EDR: 07/13/2006
Date Made Active in Reports: 08/09/2006
Number of Days to Update: 27

Source: Department of Environmental Quality
Telephone: 517-373-4805
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 01/24/2006
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/17/2006
Number of Days to Update: 45

Source: Department of Environmental Quality
Telephone: 517-241-1300
Last EDR Contact: 08/02/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 05/01/2006
Date Data Arrived at EDR: 05/02/2006
Date Made Active in Reports: 06/08/2006
Number of Days to Update: 37

Source: Department of Environmental Quality
Telephone: 517-373-7074
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

Date of Government Version: 06/16/2006
Date Data Arrived at EDR: 06/16/2006
Date Made Active in Reports: 07/17/2006
Number of Days to Update: 31

Source: DEPT. OF ENVIRONMENTAL QUALITY
Telephone: 517-373-9541
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2004 Source: USGS
Date Data Arrived at EDR: 02/08/2005 Telephone: 202-208-3710
Date Made Active in Reports: 08/04/2005 Last EDR Contact: 08/11/2006
Number of Days to Update: 177 Next Scheduled EDR Contact: 11/06/2006
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: 06/08/2006 Source: EPA Region 1
Date Data Arrived at EDR: 06/09/2006 Telephone: 617-918-1313
Date Made Active in Reports: 06/28/2006 Last EDR Contact: 08/21/2006
Number of Days to Update: 19 Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

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

Date of Government Version: 06/08/2006 Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006 Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006 Last EDR Contact: 08/21/2006
Number of Days to Update: 49 Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

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

Date of Government Version: 06/01/2006 Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/23/2006 Telephone: 415-972-3372
Date Made Active in Reports: 08/02/2006 Last EDR Contact: 08/21/2006
Number of Days to Update: 40 Next Scheduled EDR Contact: 11/20/2006
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: 06/06/2006 Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006 Telephone: 303-312-6271
Date Made Active in Reports: 07/28/2006 Last EDR Contact: 08/21/2006
Number of Days to Update: 49 Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005 Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005 Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005 Last EDR Contact: 08/21/2006
Number of Days to Update: 38 Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2006 Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006 Telephone: 303-312-6137
Date Made Active in Reports: 07/28/2006 Last EDR Contact: 08/21/2006
Number of Days to Update: 49 Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 06/08/2006	Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006	Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	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: 06/08/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 06/09/2006	Telephone: 617-918-1313
Date Made Active in Reports: 06/30/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 06/30/2006	Source: EPA Region 6
Date Data Arrived at EDR: 07/03/2006	Telephone: 214-665-7591
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006	Source: EPA Region 9
Date Data Arrived at EDR: 06/23/2006	Telephone: 415-972-3368
Date Made Active in Reports: 08/02/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 860-424-3375
Date Made Active in Reports: 04/07/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/01/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/06/2006	Telephone: N/A
Date Made Active in Reports: 08/01/2006	Last EDR Contact: 07/05/2006
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/02/2006
	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: 05/02/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/31/2006	Telephone: 518-402-8651
Date Made Active in Reports: 06/27/2006	Last EDR Contact: 08/30/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/27/2006
	Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/04/2006	Telephone: N/A
Date Made Active in Reports: 06/06/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005	Source: Department of Environmental Management
Date Data Arrived at EDR: 05/09/2006	Telephone: 401-222-2797
Date Made Active in Reports: 05/24/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 15	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/17/2006	Telephone: N/A
Date Made Active in Reports: 05/02/2006	Last EDR Contact: 07/25/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/09/2006
	Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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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ATTACHMENT B

HISTORICAL AERIAL PHOTOGRAPHS
THE MANNIK & SMITH GROUP, INC.



EDR® Environmental
Data Resources Inc

The EDR Aerial Photo Decade Package

**2437 S Adams Rd
2437 S Adams Rd
Rochester, MI 48309**

Inquiry Number: 1761827.5

September 27, 2006

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

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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

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Date EDR Searched Historical Sources:

Aerial Photography September 27, 2006

Target Property:

2437 S Adams Rd

Rochester, MI 48309

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	AAA
1949	Aerial Photograph. Scale: 1"=500'	Flight Year: 1949	Detroit Edison
1955	Aerial Photograph. Scale: 1"=500'	Flight Year: 1955	CSS
1964	Aerial Photograph. Scale: 1"=500'	Flight Year: 1964	ASCS
1972	Aerial Photograph. Scale: 1"=600'	Flight Year: 1972	ASCS
1980	Aerial Photograph. Scale: 1"=500'	Flight Year: 1980	Semcog
1993	Aerial Photograph. Scale: 1"=600'	Flight Year: 1993	NAPP
2000	Aerial Photograph. Scale: 1"=500'	Flight Year: 2000	Semcog



INQUIRY #: 1761827.5

YEAR: 1940

| = 500'





INQUIRY #: 1761827.5

YEAR: 1949

| = 500'





INQUIRY #: 1761827.5

YEAR: 1955

| = 500'





INQUIRY #: 1761827.5
YEAR: 1964

| = 500'



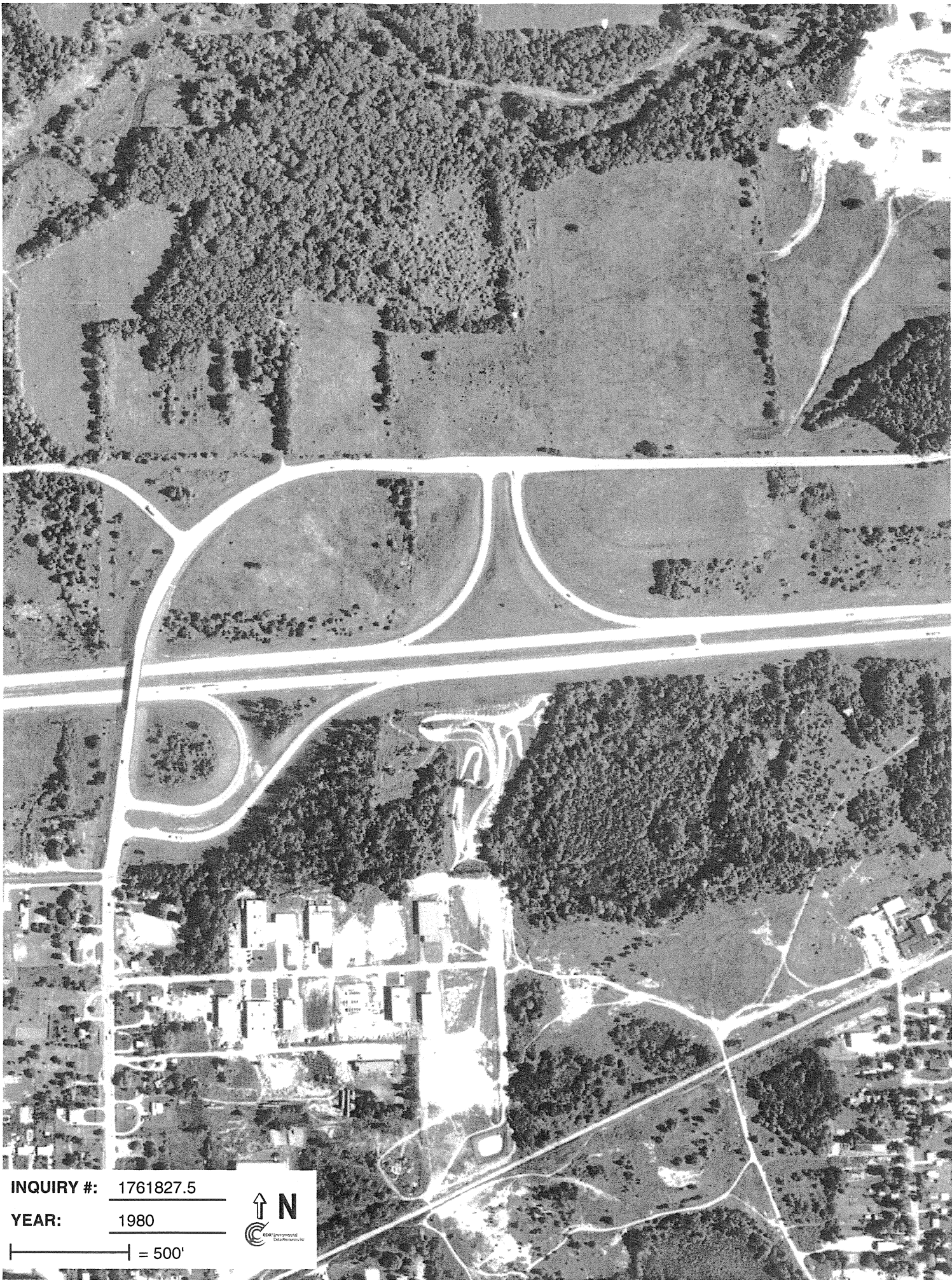


INQUIRY #: 1761827.5

YEAR: 1972

| = 600'





INQUIRY #: 1761827.5

YEAR: 1980

| = 500'





INQUIRY #: 1761827.5

YEAR: 1993

| = 600'





INQUIRY #: 1761827.5

YEAR: 2000

— = 500'



ATTACHMENT C

NO SANBORN MAP COVERAGE CERTIFICATE
THE MANNIK & SMITH GROUP, INC.



EDR® Environmental
Data Resources Inc

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Tom Peters
The Mannik & Smith
2365 Haggerty Road
Canton, MI 48188

Order Date: 9/25/2006 **Completion Date:** 9/25/2006

Inquiry #: 1761827.4

P.O. #: NA

Site Name: 2437 S Adams Rd

Address: 2437 S Adams Rd

City/State: Rochester, MI 48309

Customer Project: NA

1024093MEN 313-271-2223

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

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

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ATTACHMENT D

HISTORICAL CHAIN OF TITLE REPORT
THE MANNIK & SMITH GROUP, INC.



2055 East Rio Salado Parkway, Suite 201
Tempe, Arizona 85281
Phone: (480) 967-6752
Fax Number: (480) 966-9422
Web Site: www.netronline.com

HISTORICAL CHAIN OF TITLE REPORT

2437 SOUTH ADAMS ROAD
ROCHESTER, MICHIGAN

Submitted to:

ENVIRONMENTAL DATA RESOURCES, INC.

C/O

THE MANNIK AND SMITH GROUP

2365 Haggerty Road South
Canton, Michigan 48188
(313) 271-2223

Attention: Tom Peters

Project No. N06-6457

Thursday, November 09, 2006

NETR- Real Estate Research & Information hereby submits the following ASTM historical chain-of-title to the land described below, subject to the leases/miscellaneous shown in Section 2. Title to the estate or interest covered by this report appears to be vested in:

ROCHESTER HILLS CORPORATE CENTER FORMERLY KNOWN AS GRAND/SAKWA
M-59

The following is the current property legal description:

All those certain pieces or parcels of land containing 43.11 acres being in the Northeast, Southeast and Northwest $\frac{1}{4}$ of Section 30, Township 3 North, Range 11 East, lying and situate in the City of Rochester, County of Oakland, State of Michigan.

Assessor's Parcel Number: 17-15-30-176-001

1. HISTORICAL CHAIN OF TITLE

1. WARRANTY DEED:

RECORDED: 08-05-1940
GRANTOR: C. Fisher
GRANTEE: F. Vanlennep
INSTRUMENT: Bk 1245, Pg 107

2. WARRANTY DEED:

RECORDED: 11-06-1964
GRANTOR: F. Vanlennep
GRANTEE: Meadowbrook Park Development Company
INSTRUMENT: Bk 4650, Pg 49

3. WARRANTY DEED:

RECORDED: 06-03-1980
GRANTOR: Meadowbrook Park Development Company
GRANTEE: Angelo Iafrate
INSTRUMENT: Bk 7746, Pg 92

4. WARRANTY DEED:

RECORDED: 11-10-1999
GRANTOR: Angelo Iafrate Construction Company, also known as
Angelo Iafrate Company
GRANTEE: Grand/Sakwa M-59, LLC
INSTRUMENT: Bk 20783, Pg 25

5. DEED:

RECORDED: 01-27-2005
GRANTOR: Angelo Iafrate Construction Company, also known as
Angelo Iafrate Company
GRANTEE: Rochester Hills Corporate Center formerly known as
Grand/Sakwa M-59, LLC
INSTRUMENT: Bk 34857, Pg 175

2. LEASES AND MISCELLANEOUS

1. No environmental liens were found of record.

2. SHORT FORM LEASE:

RECORDED: 07-21-2005

LEASOR: Wal-Mart Real Estate Business Trust, a Delaware
statutory trust

LEASEE: Grand/Sakwa Adams Parcel 1, LLC, a Michigan limited
liability company

INSTRUMENT: Bk 35893, Pg 32

3. LIMITATION

This report was prepared for the use of Environmental Data Resources, Inc., and The Mannik and Smith Group, exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. NETR- Real Estate Research & Information does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

ATTACHMENT E

SITE PLAN OF M-59 & ADAMS BORROW SOURCE
THE MANNIK & SMITH GROUP, INC.

N.E. CORNER
SEC. 25
T.3N., R.10E.

N.W. CORNER SEC. 30
T.3N., R.11E.
(FIB)
L.C.R.C. LI. 10244,
PA. 009, O.C.R.

N. 1/4 CORNER
SEC. 30
(FIP 3/4" DIA.)
L.C.R.C. LI. 13523,
PA. 850, O.C.R.

N.E. CORNER
SEC. 30
(FIP IN WELL)
L.C.R.C. LI. 9127,
PA. 496, O.C.R.

E. 1/4 CORNER
SEC. 25
T.3N., R.10E.
W. 1/4 CORNER
SEC. 30 T.3N., R.11E.
CITY OF ROCHESTER
HILLS (FIB IN WELL)
L.C.R.C. LI. 12273,
PA. 478, O.C.R.

E. 1/4 CORNER
SEC. 30
(FD CONC. MON. IN SWAMP)
L.C.R.C. LI. 7732,
PA. 469, O.C.R.

S. 1/4 CORNER SEC. 30
(FBI IN WELL #25860)
L.C.R.C. LI. 11762,
PA. 148, O.C.R.

S.W. CORNER SEC. 30
(FIB IN WELL)
L.C.R.C. LI. 11762,
PA. 148, O.C.R.

LEGEND

- BOUNDARY LINE
- PARCEL LINE
- SECTION LINE
- EASEMENTS
- FENCE LINE
- SECTION CORNER
- F.M., F.C.I., F.I.B., F.P., F.P.K.
- FCI FOUND MONUMENT
- FCI FOUND CAPPED IRON
- FIB FOUND IRON BAR
- FIP FOUND IRON PIPE
- FPK FOUND "P.K." NAIL
- M MEASURED
- R RECORDED
- C CENTERLINE
- R.O.W. RIGHT OF WAY

NOTES:

- CONSUMERS POWER COMPANY RIGHT-OF-WAY RECORDED IN LIBER 589 PAGE 22 OAKLAND COUNTY RECORDS DOES NOT APPEAR TO BE OVER SUBJECT PARCEL.
- DETROIT EDISON COMPANY RIGHT-OF-WAY RECORDED IN LIBER 5 PAGE 18 OAKLAND COUNTY RECORDS DOES NOT APPEAR TO BE OVER SUBJECT PARCEL.

CERTIFICATION

TO GRAND-SAKWA PROPERTIES, METROPOLITAN TITLE INSURANCE COMPANY, TICOOR TITLE INSURANCE COMPANY AND GRAND SAKWA ADAMS L.L.C.:

THIS IS TO CERTIFY TO METROPOLITAN TITLE CO. AND TICOOR TITLE INSURANCE CO. THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA, ACSM AND NSPS IN 1999, PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA, NSPS, AND ACSM AND IN EFFECT ON THE DATE OF THIS CERTIFICATION. UNDERSIGNED FURTHER CERTIFIES THAT PROPER FIELD PROCEDURES, INSTRUMENTATION, AND ADEQUATE SURVEY PERSONNEL WERE EMPLOYED IN ORDER TO ACHIEVE RESULTS COMPARABLE TO THOSE OUTLINED IN THE "MINIMUM ANGLE, DISTANCE, AND CLOSURE REQUIREMENTS FOR SURVEY MEASUREMENTS WHICH CONTROL LAND BOUNDARIES FOR ALTA/ACSM LAND TITLE SURVEYS."

DATE: _____

RICHARD A. HOFFESS
PROFESSIONAL SURVEYOR NO. 47955
ZEMET/WOZNAK & ASSOCIATES
28450 FRANKLIN ROAD, SOUTHFIELD, MI. 48034
PH: (248) 352-0950 FAX: (248) 352-1346

NOT FOR CONSTRUCTION
CITY FILE NO. 05-030.3

**LEGAL DESCRIPTION
DETROIT EDISON EXCESS AREA
"PER TITLE COMMITMENT"**

PART OF THE SOUTH 1/2 OF SECTION 30, T.3N., R. 11E., AVON TOWNSHIP, OAKLAND COUNTY, MICHIGAN, DESCRIBED AS: BEGINNING AT A POINT ON THE NORTHERLY LINE OF THE GRAND TRUNK WESTERN RAILROAD RIGHT-OF-WAY (100 FEET WIDE) DISTANT N. 1007.25 FEET ALONG THE WEST LINE OF SAID SECTION 30 (ACCORDING TO SUPERVISOR'S PLAT NO. 16, LIBER 28, PAGE 46, OAKLAND COUNTY RECORDS) AND N. 65°11'20" E. 2096.42 FEET ALONG THE NORTHERLY LINE OF SAID RAILROAD RIGHT-OF-WAY; THENCE N. 65°11'20" E. 1179.23 FEET ALONG THE NORTHERLY LINE OF SAID RAILROAD RIGHT-OF-WAY; THENCE N. 03°55'25" W. 825.90 FEET ALONG THE WESTERLY LINE OF LOT 37 OF "AUBURN HIGHLANDS SUBDIVISION" LIBER 40, PAGE 19, OAKLAND COUNTY RECORDS; THENCE S. 88°06'40" W. 1420.07 FEET, ALONG THE EAST AND WEST 1/4 LINE OF SAID SECTION 30 (AS OCCUPIED IN THE FIELD), TO A POINT HEREAFTER KNOWN AS POINT "A"; THENCE SOUTH 01°11'50" E. 382.70 FEET; THENCE S. 88°48'10" W. 120.00 FEET; THENCE S. 01°11'50" E. 300.13 FEET; THENCE N. 88°48'10" E. 259.25 FEET; THENCE S. 01°11'50" E. 198.14 FEET; THENCE N. 88°48'10" E. 230.00 FEET; THENCE S. 01°11'50" E. 199.45 FEET TO THE POINT OF BEGINNING. CONTAINING 28.679 ACRES OF LAND.

**LEGAL DESCRIPTION
DETROIT EDISON EXCESS AREA**

A PARCEL OF LAND LOCATED IN PART OF THE SOUTH 1/2 OF SECTION 30, T. 3 N., R. 11 E., CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN MORE PARTICULARLY DESCRIBED AS:

COMMENCING AT THE S.W. CORNER OF SECTION 30 AND PROCEEDING ALONG THE WEST LINE OF SECTION 30, (AS MONUMENTED), AND ADAMS ROAD CENTERLINE (66 FEET WIDE) N. 02°03'12" W. 1007.09 FEET MEASURED (1007.25 FEET RECORD); THENCE ALONG THE NORTH LINE OF ABANDONED GRAND TRUNK RAILROAD (100 FEET WIDE) N. 63°10'09" E. 2096.62 FEET TO THE POINT OF BEGINNING; THENCE N. 03°08'53" W. 199.45 FEET; THENCE S. 86°49'15" W. 229.94 FEET; THENCE N. 03°09'28" W. 198.14 FEET; THENCE S. 88°49'32" W. 259.25 FEET; THENCE N. 03°14'14" W. 299.77 FEET; THENCE N. 86°44'58" E. 120.00 FEET; THENCE N. 03°15'02" W. 380.30 FEET MEASURED (382.70 FEET RECORD); THENCE ALONG THE EAST AND WEST 1/4 LINE OF SECTION 30 N. 85°49'02" E. 512.09 FEET TO THE CENTER OF SECTION 30; THENCE CONTINUING ALONG THE EAST AND WEST 1/4 LINE N. 85°45'03" E. 512.09 FEET; THENCE ALONG THE WEST LINE OF "AUBURN HIGHLANDS" RECORDED IN LIBER 40 PAGE 19 OAKLAND COUNTY RECORDS S. 05°55'34" E. 630.94 FEET; THENCE ALONG SAID ABANDONED NORTH LINE OF THE GRAND TRUNK RAILROAD S. 63°10'09" W. 1179.23 FEET TO THE POINT OF BEGINNING CONTAINING 28.709 ACRES MORE OR LESS.

NOTE: IT IS THIS SURVEYOR'S OPINION THAT THE LEGAL DESCRIPTION SUPPLIED WITH THE TITLE COMMITMENT AND THE LEGAL DESCRIPTION CERTIFIED IN THIS SURVEY DESCRIBE THE SAME PARCEL OF PROPERTY.

**LEGAL DESCRIPTION
PARCELS 1, 2 & 3**

LEGAL DESCRIPTION PER TITLE COMMITMENT METROPOLITAN TITLE CO. COMM. NO. 0-541359

LAND IN THE CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN, DESCRIBED AS FOLLOWS:

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PART OF SOUTHWEST 1/4 SECTION 30, TOWN 3 NORTH, RANGE 11 EAST, POINT DISTANT SOUTH 849.33 FEET FROM WEST 1/4 CORNER, THENCE NORTH 87 DEGREES 46 MINUTES 00 SECONDS EAST 400 FEET, THENCE SOUTH 100 FEET, THENCE SOUTH 87 DEGREES 46 MINUTES 00 SECONDS WEST 400 FEET, THENCE NORTH 100 FEET TO BEGINNING.

PARCEL 2
PART OF WEST 1/2 OF SOUTHWEST 1/4 SECTION 30, TOWN 3 NORTH, RANGE 11 EAST, BEGINNING AT POINT DISTANT SOUTH 750.36 FEET FROM WEST 1/4 CORNER, THENCE NORTH 87 DEGREES 46 MINUTES 00 SECONDS EAST 1010 FEET, THENCE 98.97 FEET, THENCE SOUTH 87 DEGREES 46 MINUTES 00 SECONDS WEST 30.00 FEET, THENCE SOUTH 188.60 FEET, THENCE SOUTH 87 DEGREES 46 MINUTES 00 SECONDS WEST 30.00 FEET, THENCE SOUTH 188.60 FEET, THENCE SOUTH 87 DEGREES 46 MINUTES 00 SECONDS WEST 980 FEET, THENCE NORTH 88.60 FEET, THENCE NORTH 87 DEGREES 46 MINUTES 00 SECONDS EAST 400 FEET, THENCE NORTH 100 FEET, THENCE SOUTH 87 DEGREES 46 MINUTES 00 SECONDS EAST 400 FEET, THENCE NORTH 98.97 FEET ALONG WEST SECTION LINE TO BEGINNING.

PARCEL 3
PART OF SOUTHWEST 1/4 SECTION 30, TOWN 3 NORTH, RANGE 11 EAST, BEGINNING AT POINT DISTANT SOUTH 683.51 FEET FROM WEST 1/4 CORNER, THENCE SOUTH 70.05 FEET, THENCE NORTH 87 DEGREES 46 MINUTES 00 SECONDS EAST 1010 FEET, THENCE SOUTH 98.97 FEET, THENCE NORTH 87 DEGREES 46 MINUTES 00 SECONDS WEST 30 FEET, THENCE SOUTH 188.60 FEET, THENCE SOUTH 87 DEGREES 46 MINUTES 00 SECONDS WEST 314.39 FEET, THENCE NORTH 01 DEGREES 04 MINUTES 25 SECONDS WEST 337.43 FEET, THENCE SOUTH 87 DEGREES 46 MINUTES 00 SECONDS WEST 1288.01 FEET TO BEGINNING EXCEPT BEGINNING AT POINT DISTANT NORTH 2149.93 FEET FROM SOUTHWEST CORNER, THENCE NORTH 87 DEGREES 46 MINUTES 00 SECONDS EAST 1287.99 FEET, THENCE NORTH 01 DEGREES 11 MINUTES 50 SECONDS WEST 70 FEET, THENCE SOUTH 87 DEGREES 46 MINUTES 00 SECONDS WEST 1288.53 FEET, THENCE SOUTH 70.05 FEET TO BEGINNING.

(AS SURVEYED)
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UPDATE E&W 1/4 SEC. LINE	06/24/04	AJ
UPDATE E&W 1/4 SEC. LINE	04/15/04	AJ
RANGE 11 CHANGE	04/12/04	AJ
UPDATE SURVEY	11/25/03	AJ
UPDATE SURVEY	11/12/03	PTG

REVISIONS			ALTA-ACSM SURVEY	
ITEM	DATE	BY	ROCHESTER HILLS, MICHIGAN	MICHIGAN
ADDED EASEMENTS				
FROM TITLE COMM.	10/15/02	PTG		
ADDED EXCESS AREA				
DESC. PER TITLE COMM.	1/17/03	AJ		
ADD METRO TITLE DESC.	10/16/03	AJ		
FOR PARCELS 1, 2, 3				
ADD TO CERTIFICATION	10/22/03	AJ		
ADD TO CERTIFICATION	10/22/03	DCB		
DRAWN BY:	CHECKED BY:	DATE:		
AJ	TRP	09-09-02		

CLIENT: GRAND/SAKWA PROPERTIES, INC.
28470 THIRTEEN MILE RD. SUITE 220
FARMINGTON HILLS, MICHIGAN 48334

ZEMET Wozniak
Civil Engineers & Land Surveyors
3003 GRAND RIVER AVE. SUITE 100
N.W. MICHIGAN 8537
P: (248) 442-1101 F: (248) 442-1341 www.zemetwozniak.com

SCALE: 1" = 200'
VER. 1" = 40'
FIELD BOOK NO. 1254
JOB NO. 97144
SHEET NO. 8

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DETROIT EDISON EXCESS AREA
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PARCELS 1, 2 & 3**

LEGAL DESCRIPTION PER TITLE COMMITMENT METROPOLITAN TITLE CO. COMM. NO. 0-541359

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REVISIONS			ALTA-ACSM SURVEY	
ITEM	DATE	BY	ROCHESTER HILLS, MICHIGAN	MICHIGAN
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FROM TITLE COMM.	10/15/02	PTG		
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DESC. PER TITLE COMM.	1/17/03	AJ		
ADD METRO TITLE DESC.	10/16/03	AJ		
FOR PARCELS 1, 2, 3				
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DRAWN BY:	CHECKED BY:	DATE:		
AJ	TRP	09-09-02		

CLIENT: GRAND/SAKWA PROPERTIES, INC.
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FARMINGTON HILLS, MICHIGAN 48334

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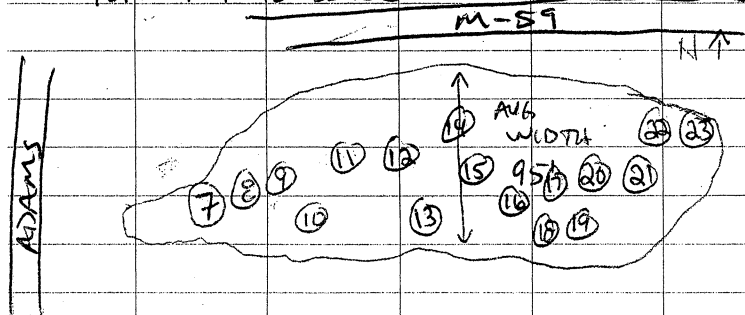
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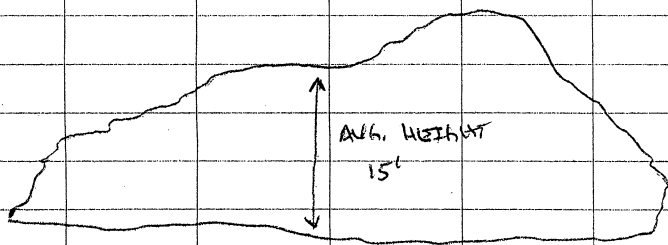
</

0945 MOVE TO 2ND PILE. LARGEST PILE
ON SITE. AVERAGE HEIGHT 15'. WIDTH
95'

TOP: NOT TO SCALE



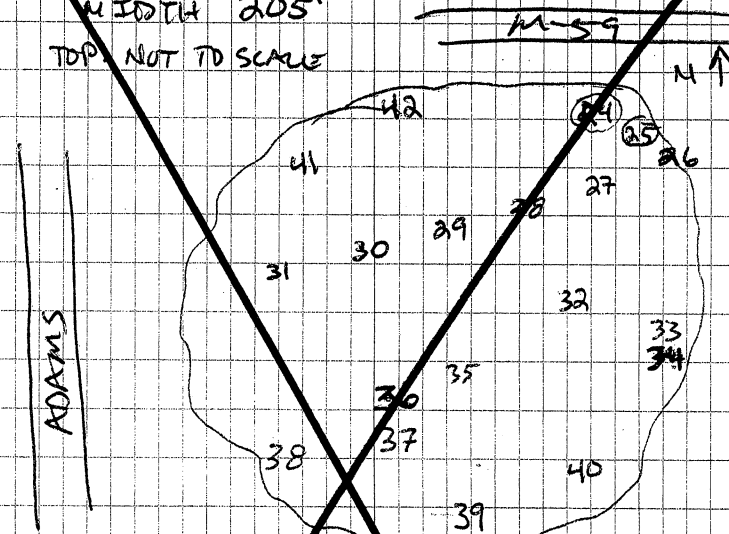
SIDE: NOT TO SCALE



SAMPLES WILL BE COLLECTED EVERY 19'
AT VARYING DEPTHS.

1315 MOVE TO 3RD PILE. CAP
MATERIAL. AVERAGE HEIGHT 9'
WIDTH 205'

TOP: NOT TO SCALE



SAMPLES COLLECTED EVERY 19'

- | SAMPLE NUMBER | SAMPLE DEPTH | SAMPLE TIME | |
|---------------|-----------------------|-------------|---|
| 1) | SAMPLE DEPTH 3', 0843 | | BROWN/BLACK
MEDIUM-FINE SAND WITH
ORGANIC SAND MATTER MOIST |
| 2) | SAMPLE DEPTH 3', 0853 | | BROWN/BLACK
SAA
SAND |
| 3) | SAMPLE DEPTH 3', 0903 | | BROWN/BLACK
SAA
SAND |

4 SAMPLE DEPTH 3', 0912 , BLACK
SAND

5 SAMPLE DEPTH 3' 0920 , BROWN/BLACK
SAND

6 SAMPLE DEPTH 3', 0930 , BROWN/BLACK
SAND

7 SAMPLE DEPTH 6', TIME 1000, TIRUF AND
OTHER DEBRIS - BLACK
SILTY SAND

8 SAMPLE DEPTH 3', 1010 , BRICKS,

9 SAMPLE DEPTH 6', 1020 , BLACK

10 SAMPLE DEPTH 10', 1031

11 16', 1043 , BLACK TO Yellow

12 SAMPLE DEPTH 1', 1050 , BLACK/TAN
SILTY CLAY

13 SAMPLE DEPTH 12' 1057 , BLACK/GRAY
SILTY CLAY

14 SAMPLE DEPTH 14' 1105 , BLACK/GRAY

15 SAMPLE DEPTH 15', 1112 , BLACK/GRAY
CLAYEY SILT

16 3' 1120 , BROWN/GRAY

SILTY SAND

17 18' 1130 , BROWN/tan

SILTY SAND 1140

18 5' , BROWN/tan

SILTY SAND

19 13' 1150 , GRAY

SANDY CLAY

20) SAMPLE DEPTH 1', 1200, BROWN/TAN

SILTY SAND

21) SAMPLE DEPTH 3', 1212

22) SAMPLE DEPTH 20', 1217, BROWN

SAND MOIST

23) SAMPLE DEPTH 12', 1225, BROWN

SILTY SAND MOIST

24) 3', 1315, BROWN/YELLOW

SILTY SAND MOIST

25) SAMPLE DEPTH 4', 1320, BROWN/YELLOW

SILT SAND MOIST

26) 1', 1330, GRAY/YELLOW

SANDY CLAY MOIST

27) 3', 1340, GRAY/BLACK

SANDY CLAY MOIST

28) 5', 1350, GRAY/BLACK

SILTY GRAY MOIST. WATER ENTERING

HIT FOR SANDY GRAVEL LOCATED ABOVE
CLAY LAYER

29) 7', 1355, GRAY/BLACK

SILTY CLAY MOIST

30) 4', 1402, GRAY/YELLOW

SILTY SAND

31) 7', 1410, BROWN

SILTY SAND WITH PEBBLES
MOIST

32) 2', 1420, YELLOW/TAN

CLAY MOIST

33) 8', 1430, GRAY/YELLOW

CLAY

34) 5', 1440, BROWN/TAN

SILTY SAND WITH PEBBLES

35) 2', BROWN/GRAY

SANDY SILT MOIST

36) 1'

36)

4' , GRAY

SILTY CLAY MOIST

37)

2' , BROWN/TAN

SILTY SAND MOIST

38)

7' 1520 , BROWN/TAN

SILTY SAND WITH GRAVEL MOIST

39)

3' , GRAY/YELLOW

CLAYEY SILT

40)

5' ,

41)

4' , GRAY/BLACK

CLAYEY SILT WITH GRAVEL MOIST

42)

43)

1600 OFF SITE

1800 GANTON ON SITE

1800 FILL OUT CHAIN OF CUSTODY AND

PLACE 43 SAMPLES AND 1 TRIP

BLANK IN MSG REFRIDGERATOR

1830 OFF-SITE

ATTACHMENT F

LOCATIONS OF ONSITE SOIL SAMPLES
THE MANNIK & SMITH GROUP, INC.

1 LANDSCAPE PLAN
SCALE: 1" = 30'-0"



QTY	KEY	BOTANICAL NAME / COMMON NAME	SIZE	ROOT	REMARKS
9	TREES				
14	TIL	TILIA AMERICANA / AMERICAN LINDEN	2.5" - 3" CAL	B & B	LARGE DECIDUOUS
11	CAS	CASTANEA SATIVA / SPANISH CHESTNUT	2.5" - 3" CAL	B & B	LARGE DECIDUOUS
11	OW	QUERCUS MACROCARPA / BUR OAK	2.5" - 3" CAL	B & B	LARGE DECIDUOUS
24	AR	ACER RUBRA / RED MAPLE	2" - 2.5" CAL	B & B	LARGE DECIDUOUS
21	OTI	OLETISIA TRICANTHOS VAR. INTERMIS / THORNLESS HONEYLOCUST	2" - 2.5" CAL	B & B	LARGE DECIDUOUS
43	CC	CERIS CANADENSIS / EASTERN REDBUD	7-8" HT.	B & B	MED. DECIDUOUS
32	MAG	MAGNOLIA 'ELIZABETH' / ELIZABETH MAGNOLIA	7-8" HT.	B & B	MED. DECIDUOUS
19	SR	SYRINGA RETICULATA / JAPANESE TREE LILAC	7-8" HT.	B & B	MED. DECIDUOUS
30	PN	PINUS STROBUS / EASTERN WHITE PINE	7-8" HT.	B & B	EVERGREEN
34	PPC	PIZZA FUNGUS 'GLAUKA' / COLORADO BLUE SPRUCE	7-8" HT.	B & B	EVERGREEN
25	SHRUBS				
36	CLE	CLETHRA ALNIFOLIA 'RUBY SPICE' / PINK SUMMERSWEET CLETHRA	24-36" HT.	B & B	MED. DECIDUOUS
36	SJ	SPYRAEA JAPONICA / JAPANESE SPIRAEA	24-36" HT.	B & B	SMALL DECIDUOUS
57	EA	EUCONYMIUS ALATUS / BURNING BUSH	36-48" HT.	B & B	LARGE DECIDUOUS
50	VD	VIERNUM DENTATUM / ARROWWOOD VIERNUM	36-48" HT.	B & B	LARGE DECIDUOUS
9	CS	CORNUS SERICEA / REDTIG DOGWOOD	36-48" HT.	B & B	LARIF DECIDUOUS
4725	GROUND COVERS	PACHYSANDRA TERMINALIS 'GREEN SHEEN' / GREEN SHEEN JAPANESE PACHYSANDRA	#2 CONT.		
	SEED				
		MIX #1 MICHIGAN NATIVE GRASS MIX 10LBS/ACRE			
		MIX #2 MICHIGAN NATIVE SEPTIC FIELD MIX (70% SHORT GRASS, 30% WILDFLOWER) 10LBS/ACRE			

B & B = BALL & BURLAP ROOT
HT. = HEIGHT
CAL. = CALIPER OF TRUNK

MICHIGAN NATIVE HYDROSEED MIXES BY THE MICHIGAN ASSOCIATION OF CONSERVATION DISTRICTS

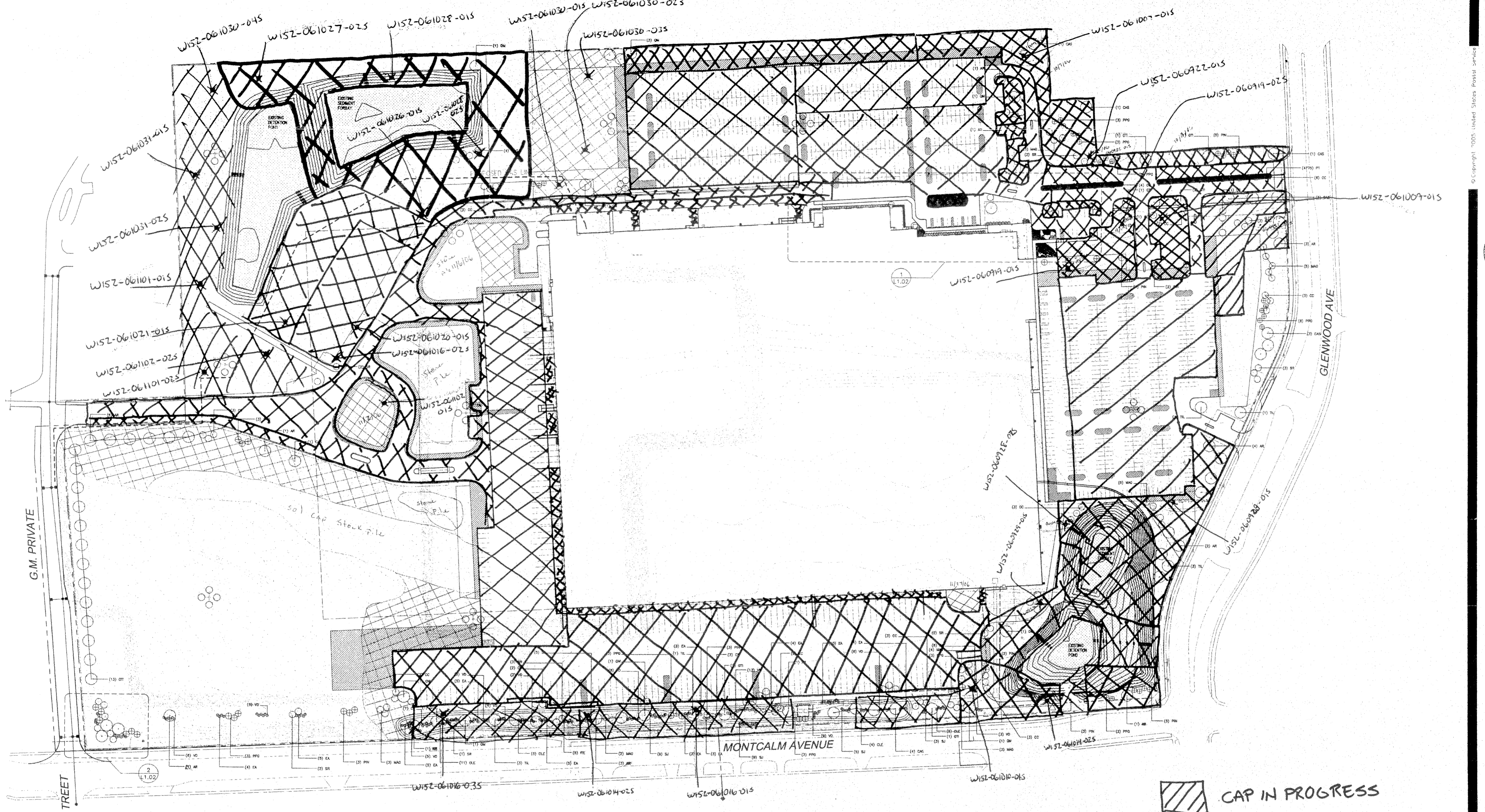
MIX #1 - MICHIGAN NATIVE GRASS MIX
ANDROPOGON SCOPARIUS, LITTLE BLUESTEM
ANDROPOGON GERARDII, BIG BLUESTEM
PANICUM VIRGATUM, SWITCH GRASS
SORGHASTRUM NUTANS, INDIAN GRASS

MIX #2 - MICHIGAN NATIVE SEPTIC FIELD MIX
ANDROPOGON GERARDII, BIG BLUESTEM (GRASS)
ELYMIUS CANADENSIS, CANADIAN WILE RYE (GRASS)
GLYCERIA STRIATA, FOWL MANNA GRASS (GRASS)
PANICUM VIRGATUM, SWITCHGRASS (GRASS)
SCIRPUS ATROVIRENS, DARK GREEN BULRUSH (GRASS)

MIX #2 - MICHIGAN NATIVE SEPTIC FIELD MIX (CONT.)
ANGELICA ARCHANGELICA, ARCHANGEL
ASCLEPIAS RUBRA, RED MILKWEED
SYMPHYOTRICHUM NOVAE-ANGLIAE, NEW ENGLAND ASTER
ARNOCLOSSUM ATRIPLICIFOLIUM, PALE INDIAN PLANTAIN
SENNA HEBECARPA, WILD SENNA
DESMODIUM CANADENSE, CANADA TICK TREFOL
EUPATORIUM FISTULOSUM, JOE PYE WEED
HELIOPSIS HELIANTHOIDES, OX EYE SUNFLOWER
LIATRIS PYNOSTACHYA, PRAIRIE BLAZINGSTAR
LIATRIS SPICATA, DENSE BLAZINGSTAR
LOBELIA SIPHILITICA, GREAT BLUE LOBELIA
MONARDA DIDYMA, BERGAMOT
ECHINACEA PARADOXA, YELLOW CONEFLOWER
FOENICACFA PURPUREA, PURPLE CONIFLOWER
RUBEBCKIA HIRTA, BLACK EYED SUSAN
RUBEBCKIA SUBTENTOSA, SWEET BLACK EYED SUSAN
RUBEBCKIA TRILOBA, BROWN EYED SUSAN
SILPHIUM LACINIATUM, ROSINWEED
SILPHIUM TEREBINTHACEUM, PRAIRIE DOCK
SILPHIUM PERFOLIATUM, CUPPLANT
SOLIDAGO OHIENSIS 'RIDDELL', RIDDELL'S GOLDENROD
SOLIDAGO RIGIDA, STIFF GOLDENROD
VERONIA ALTISSIMA, IRONWEED
VERONICASTRUM VIRGINICUM, CULVER'S ROOT
VERBANA HESTATA, BLUE VERBAIN
ZIZA AUREA, GOLDEN ALEXANDERS

CAP IN PROGRESS
 FINAL CAP

LEGEND
 NATIVE HYDROSEED MIX #1
 NATIVE SEPTIC FIELD MIX #2
 PERENNIALS/ANNUALS/GROUNDCOVER
 SNOW STORAGE
 SHRUBS
 EVERGREEN TREE
 ORNAMENTAL TREE
 LARGE DECIDUOUS TREE



ATTACHMENT G

OFF-SITE BORROW SOURCE SAMPLING AND ANALYSIS PLAN
THE MANNIK & SMITH GROUP, INC.

**OFF-SITE BORROW SOURCE
SAMPLING and ANALYSIS PLAN**

**United States Postal Services (USPS) Processing and Distribution Center
Pontiac, MI**

1.0 INTRODUCTION

This sampling and analysis plan has been prepared by the Mannik & Smith Group, Inc. (MSG) to determine the acceptability of fill soil and topsoil to be used as site cover for the United States Postal Services (USPS) Processing and Distribution Center building site in Pontiac, Michigan. Sampling of the fill soil at the proposed borrow source, the evaluation of laboratory results, placement and mapping of placed soils, and reporting will be discussed below. To serve as a "living document" this plan will be updated as necessary to address any identified data gaps or changes in policy or procedures.

Prior to the initiation of fill soil sampling, analysis, and importation activities, a kick-off meeting will be held with the environmental team and personnel involved with the borrow soil importation to review this sampling and analysis plan, the borrow source characterization data, and fill soil installation procedures. During the initiation of the sampling and placement activities, field personnel will be made available as necessary to participate in daily meetings, if necessary, to discuss events of the previous day, and to discuss the anticipated activities for the current day.

In addition, the proposed borrow source locations will be subjected to a background inquiry to identify potential environmental conditions that may be associated with the historical use of the property, which could suggest the need for additional investigation or rejection of the proposed borrow source. Standard environmental database reports, historical aerial photographs, fire insurance maps, topographic maps, street directories, and local building department records of the area will be reviewed for environmentally significant information. When possible, interviews with local officials, people familiar with the site and users of the site will be utilized to establish site environmental history. This background inquiry will be in general accordance with the requirements outlined in with the scope and limitations of ASTM Standard E1527-05, "Standard Practice For Environmental Site Assessments: Phase I Environmental Site Assessment Process".

A walk-through inspection of each proposed borrow source will be conducted to determine the presence of land contours, streams or other surface waters, stressed vegetation, wells, solid waste, septic systems, evidence of stored chemicals or petroleum products, chemical use or disposal, underground storage tanks, hazardous waste pits, potential PCB-containing transformers and capacitors, asbestos-containing building materials, pungent or noxious odors, pools of liquid, and stains or corrosion in buildings, soils, or pavement, etc., all of which could represent contaminant sources of concern. During the initial walk-through inspection, a minimum number of soil samples (4) will be collected to screen the proposed borrow source and determine the advisability of conducting a comprehensive site characterization. If unacceptable levels of regulated constituents are found at the proposed borrow source, the USPS environmental team may choose to reject the source.

Please note that contaminants may be hidden in subsurface material, covered by pavement, vegetation, or other substances. Additionally, contamination may be present in unpredictable locations. The most that MSG can do is prepare a logical assessment program to reduce the client's risk due to unknown contamination. This risk may be reduced by more extensive exploration on the site. Even with additional exploration, it is not possible to completely eliminate the risk of overlooking contamination on site. It can not be assumed that samples collected and conditions observed are representative of an area that has not been sampled and/or tested.

Some environmental assessments are undertaken to satisfy "due diligence", "all appropriate inquiry," or other regulatory requirements provided in federal, state, or local law. The level of investigation necessary to demonstrate "due diligence" or "all appropriate inquiry" has not been legislatively defined. Although MSG strives to investigate a site in accordance with the scope of work, it cannot warrant that the work undertaken for these reports will satisfy "due diligence", "all appropriate inquiry," or any other similar standard under any federal, state, or local law.

2.0 PROPOSED BORROW SOURCE CHARACTERIZATION

At each proposed borrow source location, soil sampling will be conducted at a frequency of one sample per 1,000 in-place cubic yards. Each proposed borrow source will be measured to determine the amount of fill soil available at the source, and the anticipated volume expected to be removed from the source. Potential soil sample locations will be identified by placing a grid across the proposed source, and the selection of sample locations will be made randomly selecting grid locations. Sufficient grid locations will be identified to satisfy the above-mentioned frequency of one sample per 1,000 in-place cubic yards. Grid adjustments for depth and areal extent of the fill soil will be made to satisfy the stated sampling frequency, as the configuration of the proposed borrow source(s) is not known at this time. Nevertheless, the proposed sampling locations, along with background information regarding the environmental status for each site, will be submitted to the USPS environmental team for review.

Depending on the configuration of the borrow source material, soil samples selected for subsequent analysis will be collected with a single-use disposable polyethylene scoop, a hand auger, or a drilling rig using hollow-stem augers, sonic, or direct-push technology. Where disposable equipment is employed, decontamination will not be required. To avoid cross-contamination when using non-disposable equipment to collect soil samples, all pertinent equipment and tools will be cleaned with an Alconox® or equivalent soap solution and the equipment will be rinsed with distilled water to remove all soap residue.

MSG has developed a series of standard operating procedures (SOPs) associated with sample collection and site characterization. Some of the SOPs which are germane to the sampling and analysis procedures in this plan include, but are not limited to the following:

- 1101 - Field Records
- 1102 - CQA Field Reports
- 1150 - Sample Numbering
- 1150a - Sample Identification System
- 1151 - Chain-Of-Custody Procedures
- 1401 - Decontamination At Hazardous Sites
- 1402 - Equipment Cleaning
- 1500 - Soils Descriptions And Classifications
- 1500-1 - Soils Descriptions In Accordance With The Unified Soil Classification System (USCS)
- 1501 - Soil Sampling With A Spade And A Scoop
- 1502 - Subsurface Solid Sampling With Auger And Thin-Wall Tube Sampler
- 1504 - Subsurface Soil Sampling With A Split Spoon
- 1505 - Subsurface Soil Sampling Using Direct Push Technology & Macro-Core Sampling Tubes
- 1506 - Obtaining Subsurface Soil Using Direct Push Technology
- 1605 - Sampling Bottom Sludges, Sediments, Or Soil With A Hand-Held Auger
- 2305 - Procedure For Photoionization Detector (PID) Use
- 2306 - Procedures For Soil Gas Probing/Soil Sampling
- 2319 - Procedure For Flame Ionization Detector (FID) Use
- 2320 - Soil Sampling Using USEPA Method 5035
- 2401 - Environmental Site Assessment (ESA) Checklist
- 2401a - Environmental Site Assessment Checklist (Confidential)
- 2404 - MSG Facility Assessment Questionnaire

Regardless of the method of sample collection, the samples will be transferred to the appropriate sample container with a single-use disposable polyethylene scoop by sampling personnel wearing a clean pair nitrile gloves. When transferring the sample to the sample container for VOC analysis, a clean syringe supplied by the laboratory will be used. Sample preservation will be dependent upon the laboratory methods being utilized for analysis and all soil sampling and analysis will be conducted in accordance with the Michigan Department of Environmental Quality (MDEQ) - Remediation and Redevelopment Division Operational Memorandum No. 2 titled *Sampling & Analysis Target Detection Limits and Designated Analytical Methods*. Operational Memorandum No. 2 can be found at:

(http://www.deq.state.mi.us/documents/deq-rrd-OpMemo_2.pdf).

Sample containers will be labeled with the appropriate sample tag, the chain-of-custody documents will be completed, and the sample information will be recorded in a field log book. Information recorded on the Chain-of-Custody form will include:

- unique Chain-of-Custody number;
- sample identification number and location of sample;
- number of samples for each sample ID number;
- sampler's signature;
- sampling date and time;
- laboratory receipt date; and
- signature of laboratory clerk

After sample collection, the sample containers will be immediately placed into an ice-filled cooler pending receipt of samples by the analytical laboratory. Samples will be analyzed for Michigan 10 metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc) plus manganese using USEPA Methods 6020/7471, volatile organic compounds (VOCs) using USEPA Method 5035/8260, and semi-volatile organic compounds (SVOCs) using USEPA Method 8270.

For quality control during soil sampling, a trip blank for VOCs will be submitted for analysis along with each set of soil samples. The trip blank will consist of a 40-ml vial containing deionized water prepared by the laboratory. The trip blank will be analyzed for VOCs. Additionally, a blank containing only methanol from the same batch as the methanol contained in the soil sampling containers will be submitted for analysis of VOCs to ensure the integrity of the preservative.

Analytical laboratory quality control will include the furnishing of quality assurance/quality control (QA/QC) data with all chemical analysis reports. The data supplied by the analytical laboratory will include information on blanks, laboratory duplicates, spike recoveries, and parameter control limits. The laboratory QA/QC data will be evaluated to determine the acceptability of results. The laboratory results are considered acceptable if the following conditions hold:

- a) Reported method blank results are not higher than reported detection limits;
- b) Laboratory duplicates have a relative percent difference of 20% or less; and
- c) Results of recovery analyses have a percent recovery of between 80% and 120%

3.0 STATISTICAL EVALUATION OF THE SOIL SAMPLING DATA

As in all statistical evaluations, the underlying distribution of the data is an important consideration. In order to use parametric statistics, the underlying population must be normally distributed. In other cases,

the lack of an underlying normal distribution for the data may force the use of non-parametric statistical techniques, which do not assume an underlying distribution.

For each borrow source, a determination will be made to ascertain whether the soil data is drawn from a normally distributed population. This determination will be conducted by a two-step procedure. First, the coefficient of variation will be computed and then a normal probability plot will be constructed. If the coefficient of variation and normal probability plot regression analysis strongly suggests that the data set is not normally distributed, the data will be transformed to determine if the data is log-normally distributed. If the data is not normally or log-normally distributed, non-parametric statistical analysis will be proposed to the USPS environmental team for evaluation of the data.

Subsequent to the determination of sample distribution, the 95% upper confidence interval for the mean (95% UCL) will be calculated. As recommended in the guidance document *Sampling Strategies and Statistics Training Materials for Part 201 Cleanup Criteria*, from the MDEQ, Remediation and Redevelopment Division, the 95% UCL will be calculated using the Student's-t Method if the data is normally distributed, and using Land's Method if the data is shown to be log-normally distributed.

4.0 DATA EVALUATION AND REPORTING

Upon receipt of the laboratory reports and the statistical evaluation of the data, the data will be compared to *Residential and Commercial I Part 201 Generic Cleanup Criteria and Screening Levels; Part 213 Tier I Risk-Based Screening Levels* as established by *Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended* (Part 201) and a report of findings will be submitted to the USPS environmental team for review.

Upon completion of the soil data evaluation, a report of findings will be submitted to the USPS environmental team, and will include the following information.

- The results of the background inquiry regarding potential environmental conditions;
- A brief narrative of the sampling procedures;
- The results of the statistical evaluation of the data
- Copies of field sampling forms
- A copy of the analytical laboratory data report that should include the following
 - Sample identification
 - Detection limits
 - Date samples were received, analyzed, and reported
 - Methods used for laboratory analysis for each parameter
 - QA/QC report
- Tabular data summaries
- A descriptive summary of the overall quality of the analytical data and QA/QC results, including:
 - Holding time requirements
 - Matrix interference occurrences
 - Detection limit issues
 - Surrogate recovery quality
 - Matrix spike/matrix spike duplicate (MS/MSD) data
 - Any other significant problems

5.0 PLACEMENT RECOMMENDATIONS AND PLACEMENT MAPPING

Upon completion of the borrow source site characterization and approval from the USPS environmental team that the proposed borrow source soils are acceptable, soils will be transported and placed at the USPS site.

As soils are being placed on site, care should be taken so that previously placed soils are not driven over, which could potentially track impacted soils onto the clean fill soil. Trucks should also maintain their course on approved roadways to reduce the possibility of generating airborne dusts that could impact the clean fill soil. Furthermore, soils placement should be conducted so that high areas are covered first to reduce the possibility of runoff impacting the clean soils. As soils are being placed, field personnel will record the truck number, time of unloading, soil volume, soil source, and any other notable conditions. Field personnel will utilize the existing quadrant map prepared for the site to document the placement of all loads, and collect copies of all manifests/bills of lading.

6.0 HEALTH AND SAFETY CONSIDERATIONS

All soil sampling and subsequent placement activities will be in accordance with the previously prepared Health and Safety Plan and Environmental Site Control Plan prepared for the site.

ATTACHMENT H

SOIL CHARACTERIZATION ANALYTICAL PLAN – AREA #1
THE MANNIK & SMITH GROUP, INC.

**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS (ug/kg)
(M59/Adams Site)**

Soil Part 201 Generic Residential/Commercial I Cleanup Criteria Revised January 23, 2006 Units: ug/kg	MDEQ SOIL TARGET DETECTION LIMITS	Groundwater Protection				Direct Contact	Sample ID							
		Statewide Default Background Levels	Drinking Water Protection Criteria & RBSLs (Residential/Comm-Ind)	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Direct Contact Criteria & RBSLs (Residential/Comm II & Ind)	Fill #1 M59	Fill #2 M59	Fill #3 M59	Fill #4 M59	Fill #5 M59	Fill #6 M59	Fill #7 M59	Fill #8 M59
							8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006
VOLATILE ORGANIC COMPOUNDS														
Acetone	1,000	NA	15,000/42,000	34,000	1.1E+08	2.3E+7/7.3E+7	220	150	650	BDL	860	200	890	850
Dichloromethane	100	NA	100/100	19,000 (X)	2.3E+06	1.3E+6/2.3E+6(C)	120	100	160	140	120	120	140	88
p-Isopropyltoluene	100	NA	NA	NA	NA	NA/NA	BDL	BDL	37	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	1,000	NA	1,900/5,400	220,000	3.2E+07	2.9E+6/9.5E+6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SEMI-VOLATILE ORGANIC COMPOUNDS														
Anthracene	330	NA	41,000/41,000	ID	41,000	2.3E+8/7.3E+8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benz(a)anthracene	330	NA	NLL	NLL	NLL	20,000/80,000	BDL	BDL	BDL	BDL	BDL	BDL	65	52
Benzo(a)pyrene	330	NA	NLL	NLL	NLL	2,000/8,000	38	BDL	BDL	BDL	BDL	BDL	74	43
Benzo(g,h,i)perylene	330	NA	NLL	NLL	NLL	2.5E+6/7.0E+6	49	BDL	BDL	BDL	BDL	BDL	61	51
Benzo(b)fluoranthene	330	NA	NLL	NLL	NLL	20,000/80,000	BDL	BDL	BDL	BDL	BDL	BDL	71	49
Benzo(k)fluoranthene	330	NA	NLL	NLL	NLL	2.0E+5/8.0E+5	BDL	BDL	BDL	BDL	BDL	BDL	63	49
Bis(2-ethylhexyl) phthalate	330	NA	NLL	NLL	NLL	2.8E+6/1.0E+7(C)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Butyl benzyl phthalate	330	NA	3.1E+5/3.1E+5 (C)	26,000	3.1E+5	3.1E+5(C)/3.1E+5(C)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbazole	330	NA	9,400/39,000	1,100	8.2E+5	5.3E+5/2.4E+6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	330	NA	NLL	NLL	NLL	2.0E+6/8.0E+6	BDL	BDL	BDL	BDL	BDL	BDL	76	52
Dibenz(a,h)anthracene	330	NA	NLL	NLL	NLL	2,000/8,000	46	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-butyl phthalate	330	NA	7.6E+5/7.6E+5 (C)	11,000	7.6E+5	7.6E+5(C)/7.6E+5(C)	78	130	BDL	110	92	BDL	BDL	BDL
Indeno(1,2,3-cd)pyrene	330	NA	NLL	NLL	NLL	20,000/80,000	47	BDL	BDL	BDL	BDL	BDL	52	40
2,4-Dimethylphenol	330	NA	7,400/20,000	NA	3.6E+5	1.1E+7/3.6E+7	BDL	BDL	140	BDL	BDL	BDL	BDL	BDL
3/4 Methylphenol	330	NA	7,400/20,000	1,400	1.6E+7	1.1E+7/3.6E+7	BDL	BDL	1,100	BDL	BDL	BDL	BDL	BDL
Fluoranthene	330	NA	7.3E+5	5,500	7.3E+5	4.6E+7/1.3E+8	BDL	BDL	BDL	52	BDL	BDL	110	110
Fluorene	330	NA	3.9E+5	5,300	8.9E+5	2.7E+7/8.7E+7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenanthrene	330	NA	56,000/1.6E+5	5,300	1.1E+6	1.6E+6/5.2E+6	BDL	BDL	BDL	67	BDL	BDL	47	77
Phenol	330	NA	88,000/2.6E+5	4,200	1.2E+7(C)	1.2E+7(C,DD)	BDL	BDL	190	BDL	BDL	BDL	BDL	BDL
Pyrene	330	NA	4.8E+5/4.8E+5	ID	4.8E+5	2.9E+7/8.4E+7	BDL	BDL	BDL	BDL	BDL	BDL	92	90
METALS														
Arsenic	100	5,800	4,600/4,600	70,000 (X)	2.0E+6	7,600/37,000	5,600	5,200	4,900	3,300	5,400	3,400	5,100	4,900
Barium	1,000	75,000	1.3E+6/1.3E+6	(G,X)	1.0E+9 (D)	3.7E+7/1.3E+8	22,000	26,000	20,000	30,000	34,000	29,000	32,000	24,000
Cadmium	200	1,200	6,000/6,000	(G,X)	2.3E+8	5.5E+5/2.1E+6	340	250	390	400	650	910	490	340
Chromium	2,000	18,000	1.0E+9/1.0E+9 (D)	(G,X)	1.0E+9 (D)	7.9E+8/1.0E+9(D)	9,300	8,200	9,700	9,500	14,000	11,000	11,000	12,000
Copper	1,000	32,000	5.8E+6/5.8E+6	(G)	1.0E+9 (D)	2.0E+7/7.3E+7	15,000	14,000	14,000	9,700	15,000	8,900	14,000	19,000
Lead	1,000	21,000	7.0E+5/7.0E+5	(G,X)	ID	4.0E+5/9.0E+5(DD)	8,200	8,500	9,100	7,400	7,000	7,700	11,000	8,300
Manganese	1,000	440,000	1,000/1,000	(G,X)	1.8E+8	2.5E+7/9.0E+7	370,000	180,000	230,000	300,000	440,000	240,000	230,000	240,000
Mercury	50	130	1,700/1,700	50 (M);1.2	47,000	1.6E+5/5.8E+5	21	24	25	23	24	21	21	24
Selenium	200	410	4,000/4,000	400	7.8E+7	2.6E+6/9.6E+6	250	210	360	<190	130	770	360	<200
Silver	100	1,000	4,500/13,000	100(M);27	2.0E+8	2.5E+6/9.0E+6	120	84	120	130	180	580	250	450
Zinc	1,000	47,000	2.4E+6/5.0E+6	(G)	1.0E+9 (D)	1.7E+8/6.3E+8	36,000	37,000	32,000	27,000	34,000	25,000	38,000	34,000

BDL = Below Detection Limit
Criteria utilize MDEQ footnotes from Op Memo #2, dated 1/23/06

**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS (ug/kg)
(M59/Adams Site)**

Soil Part 201 Generic Residential/Commercial I Cleanup Criteria Revised January 23, 2006 Units: ug/kg	MDEQ SOIL TARGET DETECTION LIMITS	Groundwater Protection				Fill #9 M59	Fill #10 M59	Fill #11 M59	Fill #12 M59	Topsoil 1 #1	Topsoil 1 #2	Topsoil 2 #1	Topsoil 2 #2	TRIP BLANK (ug/l)									
		Statewide Default Background Levels	Drinking Water Protection Criteria & RBSLs (Residential/Comm-Ind)	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs										8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006
															8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006	8/16/2006	
VOLATILE ORGANIC COMPOUNDS																							
Acetone	1,000	NA	15,000/42,000	34,000	1.1E+08	1,400	430	1,000	450	BDL	1,100	490	660	BDL									
Dichloromethane	100	NA	100/100	19,000 (X)	2.3E+06	880	770	110	970	120	99	660	65	0.95									
p-Isopropyltoluene	100	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL									
Tetrahydrofuran	1,000	NA	1,900/5,400	220,000	3.2E+07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.2									
SEMI-VOLATILE ORGANIC COMPOUNDS																							
Anthracene	330	NA	41,000/41,000	ID	41,000	BDL	BDL	BDL	BDL	BDL	BDL	67	BDL										
Benzo(a)anthracene	330	NA	NLL	NLL	NLL	95	BDL	BDL	BDL	44	130	210	BDL										
Benzo(a)pyrene	330	NA	NLL	NLL	NLL	100	BDL	BDL	BDL	57	86	220	BDL										
Benzo(g,h,i)perylene	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL	53	66	190	BDL										
Benzo(b)fluoranthene	330	NA	NLL	NLL	NLL	100	BDL	BDL	BDL	80	92	250	BDL										
Benzo(k)fluoranthene	330	NA	NLL	NLL	NLL	87	BDL	BDL	BDL	BDL	67	180	BDL										
Bis(2-ethylhexyl) phthalate	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL										
Butyl benzyl phthalate	330	NA	3.1E+5/3.1E+5 (C)	26,000	3.1E+5	BDL	BDL	BDL	BDL	BDL	43	BDL	BDL										
Carbazole	330	NA	9,400/39,000	1,100	8.2E+5	BDL	BDL	BDL	BDL	BDL	44	81	BDL										
Chrysene	330	NA	NLL	NLL	NLL	100	BDL	BDL	BDL	58	130	270	BDL										
Dibenz(a,h)anthracene	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL	BDL	BDL	50	BDL										
Di-n-butyl phthalate	330	NA	7.6E+5/7.6E+5 (C)	11,000	7.6E+5	BDL	BDL	BDL	130	67	55	62	BDL										
Indeno(1,2,3-cd)pyrene	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL	40	49	150	BDL										
2,4-Dimethylphenol	330	NA	7,400/20,000	NA	3.6E+5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL										
3/4 Methylphenol	330	NA	7,400/20,000	1,400	1.6E+7	BDL	BDL	BDL	BDL	BDL	BDL	100	BDL										
Fluoranthene	330	NA	7.3E+5	5,500	7.3E+5	170	210	BDL	BDL	74	340	500	BDL										
Fluorene	330	NA	3.9E+5	5,300	8.9E+5	BDL	BDL	BDL	BDL	BDL	BDL	36	BDL										
Phenanthrene	330	NA	56,000/1.6E+5	5,300	1.1E+6	85	BDL	BDL	BDL	BDL	120	320	BDL										
Phenol	330	NA	88,000/2.6E+5	4,200	1.2E+7(C)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL										
Pyrene	330	NA	4.8E+5/4.8E+5	ID	4.8E+5	140	BDL	BDL	BDL	67	270	380	BDL										
METALS																							
Arsenic	100	5,800	4,600/4,600	70,000 (X)	2.0E+6	4,400	4,900	3,800	4,400	4,200	4,000	4,600	4,400										
Barium	1,000	75,000	1.3E+6/1.3E+6	(G,X)	1.0E+9 (D)	31,000	24,000	26,000	14,000	35,000	23,000	36,000	25,000										
Cadmium	200	1,200	6,000/6,000	(G,X)	2.3E+8	390	350	270	260	430	320	400	340										
Chromium	2,000	16,000	1.0E+9/1.0E+9 (D)	(G,X)	1.0E+9 (D)	10,000	11,000	12,000	6,400	11,000	8,200	9,700	9,900										
Copper	1,000	32,000	5.8E+6/5.8E+6	(G)	1.0E+9 (D)	14,000	14,000	11,000	10,000	20,000	13,000	14,000	13,000										
Lead	1,000	21,000	7.0E+5/7.0E+5	(G,X)	ID	9,500	8,000	8,200	4,700	9,000	10,000	10,000	8,500										
Manganese	1,000	440,000	1,000/1,000	(G,X)	1.8E+8	230,000	240,000	220,000	200,000	200,000	230,000	260,000	240,000										
Mercury	50	130	1,700/1,700	50 (M);1.2	47,000	25	25	19	13	25	20	28	24										
Selenium	200	410	4,000/4,000	400	7.8E+7	<210	<210	99	<160	270	170	<210	120										
Silver	100	1,000	4,500/13,000	100(M);27	2.0E+8	90	73	72	54	83	78	82	43										
Zinc	1,000	47,000	2.4E+6/5.0E+6	(G)	1.0E+9 (D)	36,000	33,000	28,000	27,000	37,000	33,000	35,000	31,000										

BDL = Below Detection Limit
Criteria utilize MDEQ footnotes from Op Memo #2, dated 1/23/06

ATTACHMENT I

SOIL CHARACTERIZATION ANALYTICAL PLAN – ONSITE
THE MANNIK & SMITH GROUP, INC.

**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS (ug/kg)
(M59/Adams Site)**

Soil Part 201 Generic Residential/Commercial Cleanup Criteria Revised January 23, 2006 Units: ug/kg	MDEQ SOIL TARGET DETECTION LIMITS	Groundwater Protection					Direct Contact	Sample ID															
		Maximum Default Background Levels	Drinking Water Protection Criteria & RSLs (Residential/Commercial)	Drinking Water Protection Criteria & RSLs	Groundwater Protection Criteria & RSLs	Groundwater Protection Criteria & RSLs		Sample ID															
								W152-060919-015	W152-060919-025	W152-060921-015	W152-060922-015	W152-060923-015	W152-060923-025	W152-060923-015	W152-061007-015	W152-061009-015	W152-061014-015	W152-061014-025	W152-061014-015	W152-061016-015	W152-061016-025	W152-061016-035	
9/19/2006	9/19/2006	9/21/2006	9/22/2006	9/23/2006	9/23/2006	9/23/2006	9/29/2006	10/7/2006	10/9/2006	10/10/2006	10/14/2006	10/14/2006	10/16/2006	10/16/2006	10/16/2006								
VOLATILE ORGANIC COMPOUNDS																							
Axetone	1,000	NA	15,000/1,000	34,000	1.1E+08	2.3E+7/7.3E+7	870	850	820	830	730	690	850	960	940	1000	940	900	850	890	880		
Dichloromethane	100	NA	100/100	18,000 (K)	2.3E+06	1.3E+02/3E+02	53	47	69	63	84	76	100	110	100	110	100	110	85	70	81	75	70
Ethylbenzene	100	NA	1,500/1,500	360	1.4E+5(C)	1.4E+5(C)/1.4E+5(C)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	100	NA	NA	NA	NA	NA/NA	BDL	53	99	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	1,000	NA	16,000/16,000	2,800	2.5E+05	2.5E+5/2.5E+5(C)	BDL	24	340	24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	100	NA	2,100/2,100	570	1.1E+5(C)	1.1E+5(C)/1.1E+5(C)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
m-p-Xylenes	100	NA	6,600/6,600	700	1.5E+5(C)	1.5E+5(C)/1.5E+5(C)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SEMI-VOLATILE ORGANIC COMPOUNDS																							
Anthracene	330	NA	41,000/41,000	ID	41,000	2.3E+8/7.3E+8	BDL	BDL	BDL	31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benz(a)anthracene	330	NA	NLL	NLL	NLL	20,000/80,000	BDL	BDL	BDL	58	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benz(b)fluoranthene	330	NA	NLL	NLL	NLL	20,000/80,000	BDL	BDL	BDL	39	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	330	NA	NLL	NLL	NLL	2,0E+6/6.0E+6	BDL	BDL	BDL	47	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-butyl phthalate	330	NA	7.6E+5/7.6E+5 (C)	11,000	7.6E+5	7.6E+5(C)/7.6E+5(C)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Fluoranthene	330	NA	7.3E+5	5,500	7.3E+5	4.6E+7/1.3E+8	BDL	BDL	BDL	110	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dimethylphenol	330	NA	7,400/210,000	1,400	1.6E+7	1.1E+7/3.6E+7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	330	NA	35,000/1.0E+5	870	0	1.6E+7/5.2E+7	BDL	BDL	BDL	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenanthrene	330	NA	56,000/1.6E+5	5,300	1.1E+6	1.6E+6/5.2E+6	BDL	BDL	BDL	110	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	330	NA	88,000/2.6E+5	4,200	1.2E+7(CD)	1.2E+7(CD)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Pyrene	330	NA	4.8E+5/4.8E+5	ID	4.8E+5	2.9E+7/8.4E+7	BDL	BDL	BDL	95	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
METALS																							
Arsenic	100	5,800	4,600/4,600	70,000 (K)	2.0E+6	7,600/37,000	4,700	4,000	3,800	4,000	4,100	3,800	4,200	3,200	3,700	1,800	3,200	3,500	3,300	3,400	3,100	3,400	3,100
Barium	1,000	75,000	1.3E+6/1.3E+6	(G,X)*	1.0E+9 (D)	3.7E+7/1.3E+8	25,000	30,000	26,000	30,000	31,000	34,000	29,000	28,000	25,000	13,000	26,000	27,000	26,000	28,000	27,000	27,000	
Cadmium	200	1,200	6,000/6,000	(G,X)*	2.3E+8	5.5E+5/2.1E+6	430	340	320	350	280	350	320	300	290	82	240	280	280	280	320	280	
Chromium	2,000	16,000	1.6E+9/1.6E+9 (C)	(G,X)*	1.0E+9 (D)	7.9E+9/1.0E+10	11,000	10,000	7,800	8,900	10,000	10,000	8,600	6,800	7,600	4,700	7,600	8,100	8,100	8,100	8,700	8,200	
Copper	1,000	32,000	5.8E+6/5.8E+6	(G,X)*	1.0E+9 (D)	2.0E+7/7.2E+7	14,000	14,000	13,000	13,000	14,000	14,000	13,000	8,900	11,000	2,700	7,100	9,500	8,300	8,300	8,700	8,800	
Lead	1,000	21,000	7.0E+5/7.0E+5	(G,X)*	ID	4.0E+5/9.0E+5(CD)	7,700	10,000	7,800	10,000	9,300	11,000	12,000	11,000	8,300	4,200	8,400	11,000	8,300	8,500	8,500	8,800	
Manganese	1,000	440,000	1,000/1,000	(G,X)*	1.8E+8	2.5E+7/9.0E+7	250,000	220,000	300,000	250,000	280,000	320,000	270,000	310,000	230,000	87,000	280,000	190,000	290,000	290,000	300,000	200,000	
Mercury	50	130	1,700/1,700	50 (M), 1.2	47,000	1.6E+5/5.8E+5	21	22	23	130	25	24	21	21	18	15	16	16	16	16	18	15	
Selenium	200	410	4,000/4,000	400	7.8E+7	2.6E+8/9.0E+8	280	350	360	310	380	450	280	370	<180	310	380	200	310	310	180	310	
Silver	100	1,000	4,500/13,000	100(M), 27	2.0E+8	2.5E+8/9.0E+8	120	210	97	77	360	350	280	110	<92	50	53	50	51	48	51	48	
Zinc	1,000	47,000	2.4E+6/5.0E+6	(G,X)*	1.0E+9 (D)	1.7E+8/6.3E+8	40,000	34,000	31,000	32,000	33,000	37,000	54,000	39,000	34,000	14,000	30,000	36,000	28,000	31,000	28,000		

*Calculation of Generic Facility-Specific Part 201 Groundwater Surface Water Interface (GSI) Criteria for (G) Footnoted Hazardous Substances

CONSTITUENT	Soil GSI/PC (ug/kg)
Barium	1.2E+06
Cadmium	3,500
Chromium (III)	3.5E+09
Copper	4.5E+06
Lead	2.5E+06
Manganese	72,000
Zinc	4.5E+06

Criteria utilize MDEQ footnotes from Cp Memo #2, dated 1/23/06
BDL = Below Detection Limit

UCL for 12 + 4 source area plus 38 onsite samples
x sd t
253 132.26 1.67
UCL= 283.57
CV= 0.52

As sample results (ug/kg) from initial 12 fill samples and 4 topsoil samples (BDL use 1/2 RL)
5,600, 5,200, 4,900, 3,300, 5,400, 5,100, 4,800, 4,400, 4,900, 3,800, 4,400, 4,200, 4,000, 4,600, 4,400

Onsite sample results (ug/kg)
4,700, 4,000, 3,900, 4,000, 4,100, 3,800, 4,200, 3,200, 3,700, 1,800, 3,200, 3,500, 3,300, 3,400, 3,100, 3,700, 4,400, 4,300, 3,900, 5,300, 3,900, 4,200, 3,600, 3,400, 4,100, 4,000, 3,800, 3,200, 5,300, 4,500, 4,200, 5,100, 7,300, 4,500, 5,300, 3,900, 5,200, 6,500

UCL for 12 + 4 source area plus 38 onsite samples
x sd t
4,261 904.79 1.67
UCL= 4,467.24
CV= 0.21

**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS (ug/kg)
(M59/Adams Site)**

Soil Part 201 Generic Residential/Commercial I Cleanup Criteria Revised January 23, 2006 Units: ug/kg	MDEQ SOIL TARGET DETECTION LIMITS	Groundwater Protection																						
		Standard Default Background Levels	Drinking Water Protection Criteria (MCLs) (Residential/Commercial)	Groundwater Surface Water Surface Protection Criteria 1 PMLs	Groundwater Surface Water Surface Protection Criteria 2 PMLs	W152-061020-	W152-061021-	W152-061026-	W152-061026-	W152-061027-	W152-061027-	W152-061027-	W152-061030-	W152-061030-	W152-061030-	W152-061030-	W152-061031-	W152-061031-	W152-061101-	W152-061102-	W152-061102-	W152-061103-	W152-061103-	W152-061104-
						015	015	015	025	015	025	015	025	015	025	015	025	015	025	015	025	015	025	015
VOLATILE ORGANIC COMPOUNDS																								
Acetone	1,000	NA	15,000/42,000	34,000	1.1E+08	580	560	430	410	430	470	430	430	450	430	440	410	560	750	150	650	530	780	700
Dichloromethane	100	NA	1,000/100	19,000 (X)	2.3E+06	74	70	42	57	51	50	49	56	47	45	54	49	61	79	200	47	70	140	110
Ethylbenzene	100	NA	1,500/1,500	360	1.4E+5(C)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	100	NA	NA	NA	NA	BDL	34	56	45	66	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	1,000	NA	18,000/6,000	2,800	2.5E+05	710	25	28	36	34	BDL	49	25	38	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	100	NA	2,100/2,100	570	1.1E+5(C)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
m,p-Xylenes	100	NA	5,600/5,600	700	1.5E+5(C)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SEMI-VOLATILE ORGANIC COMPOUNDS																								
Anthracene	330	NA	41,000/41,000	ID	41,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(a)anthracene	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(a)pyrene	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(b)fluoranthene	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-butyl phthalate	330	NA	7.6E+5/7.6E+5 (C)	11,000	7.6E+5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Fluoranthene	330	NA	7.3E+5	5,500	7.3E+5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3/4 Methylphenol	330	NA	7,400/20,000	1,400	1.6E+7	140	110	160	130	140	110	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	330	NA	35,000/1.0E+5	870	0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenanthrene	330	NA	56,000/1.0E+5	5,300	1.1E+6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	330	NA	88,000/2.6E+5	4,200	1.2E+7(C)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Pyrene	330	NA	4.8E+5/4.8E+5	ID	4.8E+5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
METALS																								
Arsenic	100	5,800	4,500/4,500	70,000 (X)	2.0E+6	3,700	4,400	4,300	3,900	5,300	3,900	4,200	3,800	3,400	4,100	4,000	3,800	3,200	5,300	4,500	4,200	5,100	7,400	4,500
Barium	1,000	75,000	1.3E+6/1.3E+6	(G,X)*	1.0E+9 (D)	36,000	24,000	20,000	19,000	33,000	28,000	24,000	28,000	31,000	28,000	28,000	28,000	29,000	25,000	44,000	34,000	35,000	54,000	38,000
Cadmium	200	1,200	6,000/6,000	(G,X)*	2.3E+8	370	340	310	320	350	300	350	350	320	300	380	340	250	480	400	340	340	630	340
Chromium	2,000	18,000	1.0E+9/1.0E+9 (D)	(G,X)*	1.0E+9 (D)	12,000	9,700	8,300	7,500	11,000	8,500	9,300	9,600	9,600	10,000	8,100	9,900	8,100	12,000	11,000	9,600	11,000	17,000	12,000
Copper	1,000	32,000	5.8E+6/5.8E+6	(G)*	1.0E+9 (D)	8,600	13,000	10,000	9,500	11,000	8,500	15,000	19,000	17,000	14,000	17,000	16,000	14,000	22,000	16,000	16,000	11,000	15,000	11,000
Lead	1,000	21,000	7.0E+5/7.0E+5	(G,X)*	ID	13,000	8,300	8,800	9,800	8,600	8,400	9,700	10,000	8,800	9,100	9,300	9,100	9,400	9,500	9,400	9,500	11,000	15,000	11,000
Manganese	1,000	440,000	1,000/1,000	(G,X)*	1.8E+8	250,000	230,000	200,000	200,000	310,000	220,000	230,000	240,000	210,000	240,000	210,000	240,000	190,000	350,000	370,000	290,000	340,000	450,000	280,000
Mercury	50	130	1,700/1,700	50 (M),1,2	47,000	23	19	23	14	21	18	20	29	22	19	24	35	66	30	29	36	36	24	
Selenium	200	410	4,500/4,500	400	7.8E+7	400	320	480	490	340	220	390	330	220	180	320	170	190	330	97	<220	210	240	140
Silver	100	1,000	4,500/13,000	100(M) 27	2.0E+8	65	170	72	63	90	91	250	170	40	45	50	44	46	52	50	46	73	110	56
Zinc	1,000	47,000	2.4E+6/2.9E+6	(G)*	1.0E+9 (D)	39,000	30,000	30,000	32,000	37,000	32,000	43,000	38,000	40,000	44,000	48,000	42,000	40,000	55,000	36,000	36,000	39,000	54,000	34,000

*Calculation of Generic Facility-Specific Part 201 Groundwater Surface Water Interface (GSI) Criteria for (G) Footnoted Hazardous Substances

Criteria utilize MDEQ footnotes from Op Memo #2, dated 1/2/2006

BDL = Below Detection Limit

CONSTITUENT	Soil (GSI) PC (ug/kg)
Barium	1.2E+06
Cadmium	3,600
Chromium (III)	3.5E+09
Copper	4.6E+06
Lead	2.5E+06
Manganese	72,000
Zinc	4.5E+06

Mn sample results (ug/kg) from initial 12 fill samples and 4 topsoil samples
370,000, 180,000, 230,000, 300,000, 440,000, 240,000, 230,000, 240,000, 230,000, 200,000, 200,000, 230,000, 260,000, 240,000

Onsite sample results (ug/kg)
250,000, 220,000, 300,000, 250,000, 260,000, 320,000, 270,000, 310,000, 230,000, 87,000, 290,000, 190,000, 290,000, 300,000, 200,000, 250,000, 230,000

UCL for 12 = 4 source area plus 38 onsite samples
1.5E+06
259,204 63,956.76 1.67
UCL = 273,774.23
CV = 0.25

**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS (ug/kg)
(M59/Adams Site)**

Soil Part 201 Generic Residential/Commercial I Cleanup Criteria Revised January 23, 2006 Units: ug/kg	MDEQ SOIL TARGET DETECTION LIMITS	Groundwater Protection				W152-061106- 025 11/4/2006	W152-061104- 035 11/4/2006	W152-061106- 015 11/6/2006	W152-061106- 025 11/6/2006
		Remedial Action Designated Levels	Drinking Water Protection Criteria & RSLs (Residential/Commercial)	Groundwater Surface Water Interface Protection Criteria & RSLs	Groundwater Concentration Protection Criteria & RSLs				
VOLATILE ORGANIC COMPOUNDS									
Acetone	1,000	NA	15,000/42,000	34,000	1.1E+08	BDL	550	BDL	1,100
Dichloromethane	100	NA	1,000/500	19,000 (D)	2.0E+06	53	56	160	100
Ethylbenzene	100	NA	1,500/1,500	360	1.4E+5(C)	BDL	BDL	BDL	BDL
p-Isopropyltoluene	100	NA	NA	NA	NA	BDL	BDL	BDL	46
Toluene	1,000	NA	16,000/16,000	2,800	2.9E+05	BDL	32	24	32
1,2,4-Trimethylbenzene	100	NA	2,100/2,100	570	1.5E+5(C)	BDL	BDL	BDL	BDL
m,p-Xylenes	100	NA	5,000/5,000	700	1.5E+5(C)	BDL	BDL	BDL	BDL
SEMI-VOLATILE ORGANIC COMPOUNDS									
Anthracene	330	NA	41,000/41,000	ID	41,000	BDL	BDL	BDL	BDL
Benz(a)anthracene	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL
Benzo(b)fluoranthene	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL
Benzo(k)fluoranthene	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL
Chrysene	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL
Dibenz(a,h)anthracene	330	NA	7.6E+5/7.6E+5 (C)	11,000	7.6E+5	BDL	BDL	BDL	BDL
Fluorene	330	NA	7.3E+5	5,500	7.3E+5	BDL	110	BDL	BDL
1,4-Methylnaphthalene	330	NA	7,400/20,000	1,400	1.6E+7	BDL	BDL	BDL	BDL
Naphthalene	330	NA	35,000/1.0E+5	670	0	BDL	BDL	BDL	BDL
Phenanthrene	330	NA	56,000/1.6E+5	5,300	1.1E+6	76	BDL	BDL	BDL
Phenol	330	NA	88,000/2.6E+5	4,200	1.2E+7(C)	BDL	BDL	BDL	BDL
Pyrene	330	NA	4.9E+5/4.9E+5	ID	4.9E+5	110	130	BDL	BDL
METALS									
Arsenic	100	5,800	4,600/4,600	70,000 (X)	2.0E+8	5,300	3,900	5,200	6,500
Barium	1,000	75,000	1.3E+6/1.3E+6	(G,X) ¹	1.0E+9 (D)	46,000	32,000	38,000	55,000
Cadmium	200	1,200	6,000/6,000	(G,X) ¹	2.3E+8	390	300	390	560
Chromium	2,000	16,000	1.0E+6/1.0E+6 (D)	(G,X) ¹	1.0E+8 (D)	11,000	8,600	12,000	16,000
Copper	1,000	32,000	5.8E+6/5.8E+6	(G) ¹	1.0E+9 (D)	12,000	9,300	12,000	17,000
Lead	1,000	21,000	7.0E+5/7.0E+5	(G,X) ¹	ID	11,000	9,600	12,000	16,000
Manganese	1,000	440,000	1,000/1,000	(G,X) ¹	1.8E+8	280,000	250,000	300,000	400,000
Mercury	50	130	1,700/1,700	50 (M),1,2	47,000	26	26	28	34
Selenium	200	410	4,000/4,000	400	7.8E+7	160	170	150	230
Silver	100	1,200	4,500/13,000	100(M),27	2.0E+8	56	41	55	13
Zinc	1,000	47,000	2.4E+6/5.0E+6	(G) ¹	1.0E+9 (D)	38,000	30,000	39,000	54,000

¹Calculation of Generic Facility-Specific Part 201 Groundwater Surface Water Interface (GSI) Criteria for (G) Footnoted Hazardous Substances

CONSTITUENT	Soil GSI PC (ug/kg)
Barium	1.2E+06
Cadmium	3,600
Chromium (III)	3.5E+09
Copper	4.6E+06
Lead	2.5E+06
Manganese	72,000
Zinc	4.5E+06

Criteria utilize MDEQ footnotes from Op Memo #2, dated 1/21/02
BDL = Below Detection Limit

ATTACHMENT J

SOIL CHARACTERIZATION ANALYTICAL PLAN – AREA #2
THE MANNIK & SMITH GROUP, INC.

**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS (ug/kg)
(M59/Adams Site)
(Topsoil)**

Soil Part 201 Generic Residential/Commercial I Cleanup Criteria Revised January 23, 2006 Units: ug/kg	MDEQ SOIL TARGET DETECTION LIMITS	Groundwater Protection				Direct Contact	Sample ID									
		Statewide Default Background Levels	Drinking Water Protection Criteria & RBSLs (Residential/Comm-Ind)	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Direct Contact Criteria & RBSLs (Residential/Comm II & Ind)	Topsoil #1	Topsoil #2	Topsoil #3	Topsoil #4	Topsoil #5	Topsoil #6	Topsoil #7	Topsoil #8	Topsoil #9	Topsoil #10
							10/11/2006	10/11/2006	10/11/2006	10/11/2006	10/11/2006	10/11/2006	10/11/2006	10/11/2006	10/11/2006	10/11/2006
VOLATILE ORGANIC COMPOUNDS																
Acetone	1,000	NA	15,000/42,000	34,000	1.1E+08	2.3E+7/7.3E+7	470	530	600	550	BDL	480	550	510	400	400
Dichloromethane	100	NA	100/100	19,000 (X)	2.3E+06	1.3E+6/2.3E+6(C)	75	61	62	53	78	83	74	83	76	69
Methyl ethyl ketone	100	NA	2.6E+5/7.6E+5	44,000	2.7E+7(C)	2.7E+7(C,DD)/2.7E+7(C,DD)	BDL	1,200	570	BDL	290	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	100	NA	NA	NA	NA	NA/NA	BDL	BDL	BDL	BDL	30	BDL	BDL	BDL	BDL	BDL
Toluene	1000	NA	16,000/16,000	2,800	2.5E+05	2.5E+5/2.5E+5(C)	BDL	BDL	BDL	33	BDL	160	BDL	BDL	BDL	BDL
SEMI-VOLATILE ORGANIC COMPOUNDS																
Benzo(a)pyrene	330	NA	NLL	NLL	NLL	2,000/8,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(b)fluoranthene	330	NA	NLL	NLL	NLL	20,000/80,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(k)fluoranthene	330	NA	NLL	NLL	NLL	2.0E+5/8.0E+5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzyl alcohol	330	NA	2.0E+5/5.8E+5	NA	5.8E+6(C)	5.8E+6(C)/5.8E+6(C)					33					
Bis(2-ethylhexyl) phthalate	330	NA	NLL	NLL	NLL	2.8E+6/1.0E+7(C)	BDL	BDL	BDL	BDL	810	BDL	BDL	BDL	BDL	BDL
Chrysene	330	NA	NLL	NLL	NLL	2.0E+6/8.0E+6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-octyl phthalate	330	NA	1.0E+8/1.4E+8 (C)	ID	1.4E+8 (C)	6.9E+6/2.0E+7					810	190				
3/4 Methylphenol	330	NA	7,400/20,000	1,400	1.6E+7	1.1E+7/3.6E+7	BDL	430	BDL	210	BDL	170	BDL	BDL	BDL	BDL
Fluoranthene	330	NA	7.3E+5	5,500	7.3E+5	4.6E+7/1.3E+8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenanthrene	330	NA	56,000/1.6E+5	5,300	1.1E+6	1.6E+6/5.2E+6	BDL	53	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	330	NA	88,000/2.6E+5	4,200	1.2E+7(C)	1.2E+7(C,DD)	200	180	BDL	42	BDL	55	BDL	BDL	BDL	BDL
Pyrene	330	NA	4.8E+5/4.8E+5	ID	4.8E+5	2.9E+7/8.4E+7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
METALS																
Arsenic	100	5,800	4,600/4,600	70,000 (X)	2.0E+6	7,600/37,000	3,200	3,800	4,100	3,400	5,600	3,100	1,800	3,400	3,300	4,000
Barium	1,000	75,000	1.3E+6/1.3E+6	(G,X)*	1.0E+9 (D)	3.7E+7/1.3E+8	14,000	19,000	17,000	25,000	22,000	17,000	14,000	30,000	30,000	33,000
Cadmium	200	1,200	6,000/6,000	(G,X)*	2.3E+8	5.5E+5/2.1E+6	190	240	210	210	320	210	94	210	200	250
Chromium	2,000	18,000	1.0E+9/1.0E+9 (D)	(G,X)*	1.0E+9 (D)	7.9E+8/1.0E+9(D)	6,100	7,500	7,200	7,100	9,900	5,900	3,000	7,800	8,500	8,100
Copper	1,000	32,000	5.8E+6/5.8E+6	(G)*	1.0E+9 (D)	2.0E+7/7.3E+7	6,900	8,400	9,400	8,600	11,000	6,200	3,500	7,800	7,400	8,800
Lead	1,000	21,000	7.0E+5/7.0E+5	(G,X)*	ID	4.0E+5/9.0E+5(DD)	6,100	8,700	10,000	8,400	7,100	7,800	4,200	7,900	8,200	8,700
Manganese	1,000	440,000	1,000/1,000	(G,X)*	1.8E+8	2.5E+7/9.0E+7	180,000	220,000	200,000	250,000	290,000	160,000	110,000	260,000	260,000	250,000
Mercury	50	130	1,700/1,700	50 (M);1.2	47,000	1.6E+5/5.8E+5	15	18	16	28	13	15	22	20	24	24
Selenium	200	410	4,000/4,000	400	7.8E+7	2.8E+6/9.6E+6	<200	<200	<200	<200	<200	<200	<200	<200	<200	110
Silver	100	1,000	4,500/13,000	100(M);27	2.0E+8	2.5E+6/9.0E+6	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Zinc	1,000	47,000	2.4E+6/5.0E+6	(G)*	1.0E+9 (D)	1.7E+8/6.3E+8	21,000	26,000	28,000	23,000	36,000	23,000	15,000	26,000	25,000	27,000

BDL = Below Detection Limit
Criteria utilize MDEQ footnotes from Op Memo #2, dated 1/23/06

*Calculation of Generic Facility-Specific Part 201
Groundwater Surface Water Interface (GSI) Criteria for (G) Footnoted Hazardous
Substances

CONSTITUENT	Soil GSI PC (ug/kg)	95% UCL for Mn	
Barium	1.2E+06	x	t
Cadmium	3,600	237,826	85,650
Chromium (III)	3.5E+09		1,717,144,335
Copper	4.6E+06		UCL= 268,493
Lead	2.5E+06		CV= 0.36
Manganese	72,000		
Zinc	4.5E+06		

**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS (ug/kg)
(M59/Adams Site)
(Topsoil)**

Soil Part 201 Generic Residential/Commercial I Cleanup Criteria Revised January 23, 2006 Units: ug/kg	MDEQ SOIL TARGET DETECTION LIMITS	Groundwater Protection					Topsoil #11	Topsoil #12	Topsoil #13	Topsoil #14	Topsoil #15	Topsoil #16	Topsoil #17	Topsoil #18	Topsoil #19	Topsoil #20	Topsoil #21	Topsoil #22				
		Statewide Default Background Levels	Drinking Water Protection Criteria & RBSLs (Residential/Comm-Ind)	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs																	
						10/11/2006													10/11/2006	10/11/2006	10/11/2006	10/11/2006
VOLATILE ORGANIC COMPOUNDS																						
Acetone	1,000	NA	15,000/42,000	34,000	1.1E+08	490	1,200	BDL	500	620	BDL	400	430	440	460	430	490					
Dichloromethane	100	NA	100/100	19,000 (X)	2.3E+06	130	66	87	68	140	140	64	57	79	84	85	75					
Methyl ethyl ketone	100	NA	2.6E+5/7.6E+5	44,000	2.7E+7(C)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
p-Isopropyltoluene	100	NA	NA	NA	NA	BDL	92	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Toluene	1000	NA	16,000/16,000	2,800	2.5E+05	BDL	BDL	BDL	BDL	46	BDL	BDL	BDL	BDL	BDL	BDL						
SEMI-VOLATILE ORGANIC COMPOUNDS																						
Benzo(a)pyrene	330	NA	NLL	NLL	NLL	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Benzo(b)fluoranthene	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Benzo(k)fluoranthene	330	NA	NLL	NLL	NLL	120	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Benzyl alcohol	330	NA	2.0E+5/5.8E+5	NA	5.8E+6(C)																	
Bis(2-ethylhexyl) phthalate	330	NA	NLL	NLL	NLL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Chrysene	330	NA	NLL	NLL	NLL	140	BDL	BDL	BDL	BDL	BDL	BDL	82	BDL	BDL	BDL						
Di-n-octyl phthalate	330	NA	1.0E+8/1.4E+8 (C)	ID	1.4E+8 (C)																	
3/4 Methylphenol	330	NA	7,400/20,000	1,400	1.6E+7	BDL	770	BDL	BDL	71	BDL	BDL	BDL	BDL	BDL	BDL						
Fluoranthene	330	NA	7.3E+5	5,500	7.3E+5	270	BDL	BDL	BDL	BDL	BDL	140	BDL	BDL	BDL							
Phenanthrene	330	NA	56,000/1.6E+5	5,300	1.1E+6	200	BDL	BDL	BDL	BDL	BDL	71	BDL	BDL	BDL							
Phenol	330	NA	88,000/2.6E+5	4,200	1.2E+7(C)	BDL	320	BDL	BDL	39	BDL	BDL	BDL	BDL	BDL							
Pyrene	330	NA	4.8E+5/4.8E+5	ID	4.8E+5	230	BDL	BDL	BDL	BDL	BDL	BDL	120	BDL	BDL							
METALS																						
Arsenic	100	5,800	4,600/4,600	70,000 (X)	2.0E+6	3,300	4,500	2,300	2,700	3,200	2,900	2,900	2,700	3,100	3,700	2,300	4,300					
Barium	1,000	75,000	1.3E+6/1.3E+6	(G,X)*	1.0E+9 (D)	19,000	35,000	32,000	27,000	29,000	35,000	24,000	25,000	42,000	16,000	35,000						
Cadmium	200	1,200	6,000/6,000	(G,X)*	2.3E+8	250	440	230	240	250	280	210	250	300	230	330						
Chromium	2,000	18,000	1.0E+9/1.0E+9 (D)	(G,X)*	1.0E+9 (D)	6,300	9,200	6,900	6,900	7,800	7,600	8,400	7,900	12,000	5,500	9,600						
Copper	1,000	32,000	5.8E+6/5.8E+6	(G,X)*	1.0E+9 (D)	7,800	9,900	6,600	7,700	8,400	8,500	9,100	7,900	9,000	11,000	8,800						
Lead	1,000	21,000	7.0E+5/7.0E+5	(G,X)*	ID	6,600	9,600	8,200	8,300	7,800	8,600	11,000	9,000	8,000	12,000	5,200						
Manganese	1,000	440,000	1,000/1,000	(G,X)*	1.8E+8	170,000	440,000	170,000	200,000	210,000	220,000	260,000	200,000	190,000	470,000	150,000						
Mercury	50	130	1,700/1,700	50 (M);1.2	47,000	17	24	30	24	25	21	35	24	21	39	9.9						
Selenium	200	410	4,000/4,000	400	7.8E+7	150	340	200	120	190	170	150	180	180	<230	270						
Silver	100	1,000	4,500/13,000	100(M);27	2.0E+8	43	160	33	34	<110	37	42	28	38	37	<91						
Zinc	1,000	47,000	2.4E+6/5.6E+6	(G,X)*	1.0E+9 (D)	26,000	30,000	21,000	24,000	25,000	26,000	31,000	23,000	25,000	35,000	20,000						

BDL = Below Detection Limit

Criteria utilize MDEQ footnotes from Op Memo #2, dated 1/23/06

*Calculation of Generic Facility-Specific Part 201

Groundwater Surface Water Interface (GSI) Criteria for (G) Footnoted Hazardous Substances

95% UCL for Mn

CONSTITUENT	Soil GSI PC (ug/kg)	x	sd	t
Barium	1.2E+06	237,826	85,650	1.717144335
Cadmium	3,600			
Chromium (III)	3.5E+09			UCL= 268,493
Copper	4.6E+06			
Lead	2.5E+06			CV= 0.36
Manganese	72,000			
Zinc	4.5E+06			

**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS (ug/kg)
(M59/Adams Site)
(Topsoil)**

Soil Part 201 Generic Residential/Commercial I Cleanup Criteria Revised January 23, 2006 Units: ug/kg	MDEQ SOIL TARGET DETECTION LIMITS	Groundwater Protection				Topsoil #23 10/11/2006	TRIP BLANK (ug/l) 10/11/2006	METHANOL BLANK (ug/l) 10/11/2006
		Statewide Default Background Levels	Drinking Water Protection Criteria & RBSLs (Residential/Comm-Ind)	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs			
VOLATILE ORGANIC COMPOUNDS								
Acetone	1,000	NA	15,000/42,000	34,000	1.1E+08	410	BDL	990
Dichloromethane	100	NA	100/100	19,000 (X)	2.3E+06	81	0.74	120
Methyl ethyl ketone	100	NA	2.6E+5/7.6E+5	44,000	2.7E+7(C)	BDL	BDL	BDL
p-Isopropyltoluene	100	NA	NA	NA	NA	28	BDL	BDL
Toluene	1000	NA	16,000/16,000	2,800	2.5E+05	45	BDL	BDL
SEMI-VOLATILE ORGANIC COMPOUNDS								
Benzo(a)pyrene	330	NA	NLL	NLL	NLL	BDL		
Benzo(b)fluoranthene	330	NA	NLL	NLL	NLL	BDL		
Benzo(k)fluoranthene	330	NA	NLL	NLL	NLL	BDL		
Benzyl alcohol	330	NA	2.0E+5/5.8E+5	NA	5.8E+6(C)			
Bis(2-ethylhexyl) phthalate	330	NA	NLL	NLL	NLL	BDL		
Chrysene	330	NA	NLL	NLL	NLL	BDL		
Di-n-octyl phthalate	330	NA	1.0E+8/1.4E+8 (C)	ID	1.4E+8 (C)			
3/4 Methylphenol	330	NA	7,400/20,000	1,400	1.6E+7	790		
Fluoranthene	330	NA	7.3E+5	5,500	7.3E+5	BDL		
Phenanthrene	330	NA	56,000/1.6E+5	5,300	1.1E+6	BDL		
Phenol	330	NA	88,000/2.6E+5	4,200	1.2E+7(C)	150		
Pyrene	330	NA	4.8E+5/4.8E+5	ID	4.8E+5	BDL		
METALS								
Arsenic	100	5,800	4,600/4,600	70,000 (X)	2.0E+6	3,100		
Barium	1,000	75,000	1.3E+6/1.3E+6	(G,X)*	1.0E+9 (D)	38,000		
Cadmium	200	1,200	6,000/6,000	(G,X)*	2.3E+8	330		
Chromium	2,000	18,000	1.0E+9/1.0E+9 (D)	(G,X)*	1.0E+9 (D)	10,000		
Copper	1,000	32,000	5.8E+6/5.8E+6	(G)*	1.0E+9 (D)	9,000		
Lead	1,000	21,000	7.0E+5/7.0E+5	(G,X)*	ID	10,000		
Manganese	1,000	440,000	1,000/1,000	(G,X)*	1.8E+8	340,000		
Mercury	50	130	1,700/1,700	50 (M);1.2	47,000	29		
Selenium	200	410	4,000/4,000	400	7.8E+7	150		
Silver	100	1,000	4,500/13,000	100(M);27	2.0E+8	42		
Zinc	1,000	47,000	2.4E+6/5.0E+6	(G)*	1.0E+9 (D)	31,000		

BDL = Below Detection Limit
Criteria utilize MDEQ footnotes from Op Memo #2, dated 1/23/06

*Calculation of Generic Facility-Specific Part 201 Groundwater Surface Water Interface (GSI) Criteria for (G) Footnoted Hazardous Substances		95% UCL for Mn		
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