



**Worldwide Facilities Group
Remediation Team**

March 9, 2009

Mr. Nate Nemani
Project Coordinator for MID 041 793 340
RCRA Enforcement Branch (DE-9J)
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

RE: GMC Powertrain Saginaw Metal Casting Operations, MID-041-793-340
RCRA Facility Investigation
Monthly Progress Report for the Month of February 2009

Dear Mr. Nemani:

Enclosed please find two copies of the Monthly Progress Report for the month of February 2009 for the RCRA Facility Investigation (RFI) at the GMC Powertrain Saginaw Metal Casting Operations (SMCO) Facility, MID-041-793-340, in Saginaw, Michigan.

Please call me at 313-510-4328 if you have any questions regarding this report.

Sincerely,

A handwritten signature in black ink that reads 'Cheryl R. Hiatt'.

Cheryl R. Hiatt
Project Coordinator for General Motors

cc: Mr. Peter Ramanauskas, U. S. EPA
Mr. George Bruchmann, MDEQ-WMD Lansing
Mr. Terry Walkington, MDEQ-WMD Bay City
Ms. Rhonda Klann, MDEQ-RRD Bay City
Dr. Lisa Williams, U.S. DOI, Fish and Wildlife
Ms. Jean Caufield, GM
Mr. James Walle, GM
Mr. Moh Kumar/ Mr. Ray Ilkka, GM
Mr. Mike Tomka, CRA


Mr. Nate Nemani

March 9, 2009

Page 2

"I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature:



Name:

Cheryl R. Hiatt

Title:

Project Coordinator

Date:

March 9, 2009

GENERAL MOTORS CORPORATION

***SAGINAW METAL CASTING OPERATIONS
WASHINGTON AVENUE AND VETERANS MEMORIAL PARKWAY
SAGINAW, MICHIGAN
EPA ID #MID041793340***

RCRA FACILITY INVESTIGATION

MONTHLY PROGRESS REPORT

March 9, 2009

***CONESTOGA-ROVERS & ASSOCIATES
8615 WEST BRYN MAWR AVENUE
CHICAGO, ILLINOIS 60631
PHONE: (773) 380-9933
FAX NO.: (773) 380-6421***

CERTIFICATION STATEMENT

"I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

SEE ATTACHED CERTIFICATION LETTER

Cheryl R. Hiatt
GM Remediation Project Coordinator

Date

General Motors Corporation
Worldwide Facilities Group
Remediation Team

DISTRIBUTION LIST

U.S. EPA RCRA Enforcement Branch, Project Coordinator	Nate Nemani
MDEQ Waste Management Division, Chief	George Bruchmann
MDEQ Waste Management Division, District Supervisor	Terry Walkington
MDEQ Remediation and Redevelopment	Rhonda Klann
USDOJ, East Lansing Field Office	Dr. Lisa Williams
GM Remediation Project Coordinator	Cheryl R. Hiatt
GM SMC Environmental Dept.	Ray Ilkka
GM Legal Counsel	James Walle, Esq.
CRA Project Manager	William K. Steinmann, CPG
CRA Document Coordinator	Rosanne Cadetto
Exponent	Pieter Booth
ENVIRON International Corporation, Inc.	Stephen Song, Ph.D.

LIST OF ATTACHMENTS

- Attachment A – City of Saginaw Consent Order – January 2009 Monthly Report, GM Saginaw Metal Casting Operations, Saginaw, Michigan**
- Attachment B – 2nd Semiannual 2008 Environmental Monitoring Report, GMPT Saginaw Metal Casting Operations Landfill, URS, January 2009**
- Attachment C – Tier Two Emergency and Hazardous Chemical Inventory Submission – General Motors - Saginaw Metal Casting Operations, February 20, 2009**

1.0 INTRODUCTION

This Monthly Progress Report is submitted in accordance with the RCRA Section 3008(h) Unilateral Administrative Order (U.S. EPA Docket No. V-W-003-95) issued to General Motors Corporation, July 9, 1995 (effective August 9, 1995).

The next monthly progress report will be submitted on or before April 10, 2009.

2.0 DESCRIPTION AND ESTIMATE OF THE PERCENTAGE OF THE RFI COMPLETED

Each of the submissions identified in the Order has been submitted on or before its due date. The following is a list of those submissions and the date submitted.

- Designation of GM's Project Manager and Project Consultant - July 7, 1995.
- Description of Current Conditions (DOCC) Report (Task I) - August 22, 1995.
- Notification of Laboratories to be used for the RFI - September 6, 1995.
- Supplemental data submission package - October 6, 1995.
- Pre-Investigation Evaluation of Corrective Measure Technologies (Task II) - October 6, 1995.
- RFI Workplan (Task III) for Phase 1 - November 3, 1995.
- Addendum to the DOCC - October 10, 1997. Technical Memorandum: Saginaw River Sediment Chemistry in the Vicinity of the Saginaw Metals Casting Operations - March 13, 1998, Revised: December 17, 1998.
- RFI Workplan (Task III) for Phase IA - Revision 2, June 9, 1998 (Approved June 30, 1998).
- Addendum to the June 1998 (Revision 2) Phase 1A RCRA Facility Investigation Workplan, Saginaw Metal Casting Operations, Saginaw, Michigan, December 9, 1998.
- Addendum to the Description of Current Conditions Report, Area West of 6th Street, January 14, 1999.
- Phase 1A RCRA Facility Investigation (RFI) Report and Phase 1B RFI Workplan, June 7, 1999 and April 19, 2000.
- Amendment to the June 1999 Phase 1A RCRA Facility Investigation (RFI) Report and Phase 1B RFI Workplan, June 4, 2001.
- RFI Phase 1B Amendment No. 2 to the April 19, 2000 Phase 1A RFI Report and Phase 1B RFI Work Plan, August 21, 2002.
- Environmental Indicators Report, September 17, 2003.
- RFI Phase 1C Investigation Work Plan, December 9, 2004.

- Interim Measures Work Plan for PCB-Impacted Areas, December 9, 2004.
- Interim Measures Work Plan for LNAPL-Impacted Soil in IU B, December 9, 2004.
- Amendment to the Interim Measures Work Plan for PCB-Impacted Areas, January 21, 2006.
- Amendment to Interim Measures Work Plan for LNAPL-Impacted Soil in IU B, January 21, 2006.
- Interim Measures Completion Report for PCB-Impacted Soil, August 9, 2006.
- RCRA Facility Investigation – Phase 1C Report, January 5, 2007.
- RCRA Facility Investigation – Phase 1C Report – Revised, March 9, 2007.
- Interim Measures Work Plan for pH-Impacted Soil, February 27, 2009.

GM currently estimates that all of the RFI field work has been completed.

3.0 SUMMARIES OF ALL FINDINGS

GM has continued sewer investigation activities as part of a Consent Order with the City of Saginaw. The Consent Order currently requires the submittal of monthly reports detailing the sampling of Outfall 008 and any cleaning activities that took place during the previous month. The Monthly Report (January 1 – January 31, 2009) is presented in Attachment A.

No LNAPL excavation as described in the original IM work plan will be completed at this time as the monitoring of MW-00305, MW-00304, MW-00303, MW-00304A, MW-00304B and MW-00305A reported no measurable LNAPL on February 25, 2009. GM believes that agreement has been reached with U.S. EPA and MDEQ to no longer require the excavation in the LNAPL area and is anticipating written confirmation that this issue has been resolved and monthly monitoring is no longer required.

U.S. EPA and GM participated in a monthly project status call on February 23, 2009.

On January 29, 2009, GM submitted the 2nd Semiannual Environmental Monitoring Report for 2008 for the General Motors Powertrain – Saginaw Metal Casting Operations (GMPT – SMCO) Landfill to Michigan Department of Environmental Quality (MDEQ). The submittal is a requirement of Solid Waste Disposal Operating License No. 9126. A copy of the semiannual report is presented in Attachment B.

On February 20, 2009, GM submitted a copy of the Tier Two Emergency and Hazardous Chemical Inventory reporting for GMPT – SMCO to MDEQ. The submittal is a requirement under Section 312, Title III of the Superfund Amendments and Reauthorization Act of 1986. A copy of the submission notification letter for the inventory is presented in Attachment C.

4.0 SUMMARIES OF ALL CHANGES MADE IN THE RFI DURING THE REPORTING PERIOD

No changes occurred during the reporting period.

5.0 SUMMARIES OF ALL CONTACTS WITH REPRESENTATIVES OF LOCAL COMMUNITY, PUBLIC INTEREST GROUPS OR STATE GOVERNMENT DURING THE REPORTING PERIOD

GM has continued monthly sampling of sewer outfall 008 as part of the Consent Order with the City of Saginaw regarding compliance of the wastewater discharge at Outfall 008. GM submitted the monthly report (January 1 – January 31, 2009) (Attachment A) to the City in accordance with the Consent Order.

On January 29, 2009, GM submitted the 2nd Semiannual Environmental Monitoring Report for 2008 for the GMPT Landfill to MDEQ. A copy of the semiannual report is presented in Attachment B.

On February 20, 2009, GM submitted a copy of the Tier Two Emergency and Hazardous Chemical Inventory reporting for GMPT to MDEQ. A copy of the submission notification letter for the inventory is presented in Attachment C.

On February 27, 2009, GM submitted the Interim Measures Work Plan for pH-Impacted Soil to U.S. EPA.

6.0 SUMMARIES OF ALL PROBLEMS OR POTENTIAL PROBLEMS ENCOUNTERED DURING THE REPORTING PERIOD

Excavation of soil in the area of LNAPL has not been completed and GM has requested that the original IM work plan be withdrawn. Based on discussions with U.S. EPA on November 24, 2008, January 22 and February 23, 2009, GM believes all questions have been answered and that U.S. EPA will be issuing a letter accepting GM's withdrawal request.

7.0 ACTIONS BEING TAKEN TO RECTIFY PROBLEMS

GM submitted a request to withdraw the LNAPL IM Work Plan and U.S. EPA is reviewing the request. Based on discussions with U.S. EPA on November 24, 2008, January 22 and February 23,

2009, GM believes that all questions have been answered and that U.S. EPA will be issuing a letter accepting GM's withdrawal request. The last questions by MDEQ concerning the residual risk of the soils in the former LNAPL Area were answered by Environ on the February 23, 2009 monthly status call.

8.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD

No changes in personnel occurred during the reporting period.

9.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD

The next monthly progress report will be completed by April 10, 2009.

A monthly telephone update between U.S. EPA and GM is scheduled for March 23, 2009.

GM will submit the EI monitoring results.

**10.0 COPIES OF DAILY REPORTS, INSPECTION REPORTS,
LABORATORY/MONITORING DATA**

Attachment A – City of Saginaw Consent Order – January 2009 Monthly Report, GM Saginaw Metal Casting Operations, Saginaw, Michigan

Attachment B – 2nd Semiannual 2008 Environmental Monitoring Report, GMPT Saginaw Metal Casting Operations Landfill, URS, January 2009

Attachment C – Tier Two Emergency and Hazardous Chemical Inventory Submission – General Motors - Saginaw Metal Casting Operations, February 20, 2009

ATTACHMENT A

MONTHLY REPORT

TO: Jason Casteel, City of Saginaw REF. NO.: GM008 -1-2009

FROM: Renee Mietz, GMPT SMCO DATE: February 12, 2009

C.C.: Jeanette Best, City of Saginaw
Moh Kumar, GM Cheryl Hiatt, GM
Jim Walle, GM Ray Ilkka, GM
Dave Kwasny, GM Mike Tomka, CRA

RE: **March 24, 2006 Consent Order revised by Addendum dated December 10, 2007:
Monthly Report - Sewer Investigation - January 1 to January 31, 2008
GM Saginaw Metal Casting Operations, Saginaw, Michigan**

This Monthly Report presents a summary of work completed from January 1 to January 31, 2008.

1. **Summary of Activities Completed During January 1 to January 31, 2008 Under Significant Industrial User Permit #2004-11**
 - No additional activities were completed during this reporting period.
2. **Summary of Activities Completed During January 1 to January 31, 2008 (per March 24, 2006 Consent Order, Section 8.a)**
 - Sampling of Outfall on January 13, 2009
3. **Summary of Activities Completed During January 1 to January 31, 2008 (per March 24, 2006 Consent Order, Section 8.b)**
 - Cleaned out sediment in Sump prior to Outfall 008 on January 9th, & 29th, 2008
4. **Summary of Activities Scheduled for the next Month (January, 2009)**
 - Monthly sampling at Outfall 008 for PCBs
 - Sediment removal at Outfall 008.
5. **Other Information**
 - Flow Probe is on back order. An incorrect model Probe was shipped and without the appropriate amount of connecting cable. Probe returned and reordered. After probe is received, it will be reinstalled.

TABLE 1

ANALYTICAL DATA SUMMARY
PCB 24-HOUR COMPOSITE WATER SAMPLING
AT OUTFALL 008
JANUARY 2009

GMPT - SAGINAW METAL CASTING OPERATIONS

SAGINAW, MICHIGAN

<i>Sample Date:</i>	<i>Daily Outfall 008 Flow Gal</i>	<i>Aroclor-1016 (PCB-1016) µg/L</i>	<i>Aroclor-1016 (PCB-1028) µg/L</i>	<i>Aroclor-1232 (PCB-1232) µg/L</i>	<i>Aroclor-1242 (PCB-1242) µg/L</i>	<i>Aroclor-1248 (PCB-1248) µg/L</i>	<i>Aroclor-1254 (PCB-1254) µg/L</i>	<i>Aroclor-1260 (PCB-1260) µg/L</i>	<i>Total PCBs µg/L</i>
1/13/2008	*	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)

*No Flow Recorded due to malfunctioning flow meter
Flow probe is on order

TABLE 2

ANALYTICAL DATA SUMMARY
PCB Grab Split Sample
Sediment Evacuation Water from OUTFALL 008
JANUARY 2009
GMPT - SAGINAW METAL CASTING OPERATIONS
SAGINAW, MICHIGAN

<i>Sample Date:</i>	<i>Sample Container Number</i>	<i>Aroclor-1016 (PCB-1016) µg/L</i>	<i>Aroclor-1016 (PCB-1028) µg/L</i>	<i>Aroclor-1232 (PCB-1232) µg/L</i>	<i>Aroclor-1242 (PCB-1242) µg/L</i>	<i>Aroclor-1248 (PCB-1248) µg/L</i>	<i>Aroclor-1254 (PCB-1254) µg/L</i>	<i>Aroclor-1260 (PCB-1260) µg/L</i>	<i>Total PCBs µg/L</i>

ATTACHMENT B



January 29, 2009

CERTIFIED MAIL
7007 2680 0001 3709 4268

Mr. Terry Walkington
Waste and Hazardous Materials Division
Michigan Department of Environmental Quality
503 N. Euclid Avenue
Bay City, MI 48706-2956

Subject: **GM Powertrain – Saginaw Metal Casting Operations Landfill
2nd Semiannual 2008 Environmental Monitoring Report**

Dear Mr. Walkington:

Per the requirement of Solid Waste Disposal Operating License No. 9126, enclosed is the 2nd Semiannual Environmental Monitoring Report for 2008 for the General Motors Powertrain – Saginaw Metal Casting Operations (GMPT-SMCO) Landfill. Per the Monitoring Program, only hydraulic monitoring was conducted on the monitoring wells in the study area.

For the 3rd and 4th Quarters 2008, the groundwater elevations of the Bedrock Aquifer were compared to the potentiometric surface of the Glacial Clay monitoring wells. Additionally, shallow and deep monitoring wells within the Glacial Clay were compared to each other. The monitoring indicated that a significant upward vertical gradient continues to exist between the Bedrock Aquifer and the potentiometric surface of the Glacial Clay wells. An upward vertical gradient was also noted within the Glacial Clay. These observations, coupled with the level of liquids in the leachate collection system indicate the landfill is operating such that an inward gradient exists.

If you have any questions regarding the enclosed report, or require any additional information, please contact Mr. Ray Ilkka at (989) 757-1473, or myself at (989) 638-4703.

Sincerely,

URS Corporation

Lori Hoevemeyer
Project Manager

Enclosure

cc: S. Alworden, Saginaw County Health Department
B. Kocsis, MDEQ-WHMD, Lansing



**2nd SEMIANNUAL 2008
ENVIRONMENTAL MONITORING
REPORT**

**GENERAL MOTORS POWERTRAIN
SAGINAW METAL CASTING
OPERATIONS LANDFILL**

URS 41567634.10000

**2nd SEMIANNUAL 2008
ENVIRONMENTAL MONITORING
REPORT**

**GENERAL MOTORS POWERTRAIN
SAGINAW METAL CASTING
OPERATIONS LANDFILL**

URS 41567634.10000

**2nd SEMIANNUAL 2008
ENVIRONMENTAL MONITORING REPORT**

**GENERAL MOTORS POWERTRAIN
SAGINAW METAL CASTING OPERATIONS
LANDFILL**

Prepared for:

General Motors Powertrain
Saginaw Metal Casting Operations
1629 N. Washington Avenue
Saginaw, Michigan 48605

Prepared by:

URS Corporation
Midland, Michigan

January 2009

Table of Contents

1.0	Introduction	1
2.0	Field Methods	2
2.1	Static Groundwater Level Measurements	2
2.2	Water Level Measurement in the Leachate Sump	2
2.3	Monitoring Well Purging	2
2.4	Routine Well Inspection and Maintenance	2
2.5	Sample Collection.....	3
2.5.1	Leachate Sump Sample Collection and Flow	3
2.5.2	Annual Stormwater Sampling.....	3
3.0	Monitoring Results	4
3.1	Potentiometric Surface Gradients and Velocities	4
3.1.1	Glacial Clay	4
3.1.2	Bedrock Aquifer	5
3.2	Water Level Measurements in the Leachate Sump.....	5
3.3	Well Purging	6
3.4	Leachate Analysis and Flow Volumes	6
3.5	Annual Stormwater Sampling.....	6
4.0	Summary and Recommendations	7
5.0	References	8

List of Tables

- 1 Groundwater and Leachate Elevations, Third Quarter 2008
 - 2 Groundwater and Leachate Elevations, Fourth Quarter 2008
 - 3 Leachate Chemical Monitoring Results
 - 4 Leachate Volumes Removed, 2004 - 2008
-

List of Figures

- 1 Site Location GM-SMCO Landfill Buena Vista Twp., MI
- 2 Glacial Clay Potentiometric Surface Gradient Map, Third Quarter 2008
- 3 Glacial Clay Potentiometric Surface Gradient Map, Fourth Quarter 2008
- 4 Bedrock Aquifer Potentiometric Surface Gradient Map, Third Quarter 2008
- 5 Bedrock Aquifer Potentiometric Surface Gradient Map, Fourth Quarter 2008
- 6 GM-SMCO Landfill Clay Monitoring Well Hydrograph
- 7 GM-SMCO Landfill Bedrock Monitoring Well Hydrograph
- 8 GM-SMCO Landfill Comparison Monitoring Well Hydrograph
- 9 GM-SMCO Landfill Monthly Leachate Volumes
- 10 MW-16 vs. Leachate Sump Hydrograph

List of Appendices

Appendix A: Field Forms

Appendix B: Leachate Analysis

Appendix C: Summary Charts of Leachate Analyses

1.0 Introduction

General Motors Powertrain – Saginaw Metal Casting Operations Landfill (GMPT-SMCO Landfill, or the Landfill), Saginaw, Michigan, requested a waiver from chemical monitoring under R 299.4318(2)(a)⁵ and Solid Waste Disposal Area Operating License No. 8963 Special Condition 20(c)⁶. The waiver (for interim monitoring) was granted on February 7, 2005⁴ by the Michigan Department of Environmental Quality. The information contained in this report constitutes the second semi-annual environmental monitoring report for the third and fourth quarters of 2008. The monitoring program for the landfill has been modified following the waiver approval to conduct quarterly static water level measurements of the glacial clay and bedrock aquifer monitoring wells, and reporting the data semiannually. On September 10, 2008 and on November 11, 2008, URS Corporation (URS) measured the static water levels in the selected four bedrock and nine glacial till monitoring wells. The annual maintenance of the glacial wells was performed by purging each well of standing groundwater after the static water levels were collected on November 11th. URS also collected samples from the leachate sump for analysis on November 11, 2008.

Groundwater monitoring at the Landfill was conducted as a requirement of Part 115 of the Michigan Natural Resources and Environmental Protection Act, 1994 PA 451 (Act 451), as amended, and the Solid Waste Disposal Area Operating License No. 9126 (issued October 28, 2005). On June 3, 1999, the Michigan Department of Environmental Quality (MDEQ) approved the *Hydrogeologic Monitoring Plan Amendment*^{1,3}, which was submitted to update the October 1995 *Hydrogeologic Monitoring Plan*². On October 24, 2005, GMPT-SMCO submitted a *Summary of the Hydrogeologic Monitoring Plan for Sampling and Analysis*⁷. The MDEQ approved the new Monitoring Plan by issuance of the Landfill Operating License, No. 9126.

This report presents the field methods, monitoring results, and any summaries or recommendations derived from the data generated during the third and fourth quarters of 2008.

2.0 Field Methods

The following sections present the field methods conducted during the sampling events at the Landfill. Static groundwater levels were measured in all of the monitoring wells, and the leachate sump, per the approved monitoring program.

2.1 Static Groundwater Level Measurements

On September 10th and on November 11th, 2008, URS measured static groundwater levels in the nine glacial clay groundwater monitoring wells, and four bedrock aquifer monitoring wells. Copies of the field forms containing data obtained during the groundwater monitoring events are included in Appendix A, Table 1, and Table 2.

All static groundwater measurements were taken to the nearest 0.01 foot, using a Solinst electronic water level meter, and were recorded on field forms. The water level meter was thoroughly rinsed with distilled water prior to and following each use to minimize the potential for cross-contamination of the monitoring wells.

2.2 Water Level Measurements in the Leachate Sump

On September 10th, and November 11th, 2008, URS measured the water level in the leachate sump. Copies of the field forms are included in Appendix A; the results are contained in Table 1 and Table 2.

The static water measurement was taken to the nearest 0.01 foot, using a Solinst electronic water level meter, and recorded on field forms. The water level meter was thoroughly rinsed with distilled water prior to use to minimize the potential for cross-contamination.

2.3 Monitoring Well Purging

On November 11th, 2008, URS purged the landfill monitoring well network using the dedicated stainless steel bailers as described in the Sampling and Analysis Plan. A copy of the field form containing this data is included in Appendix A.

2.4 Routine Well Inspection and Maintenance

The 2008 third and fourth quarter inspections by the Saginaw County Department of Public Health were conducted on September 19th, 2008 and on December 10th, 2008.

No maintenance was needed on the monitoring wells during the third or fourth quarter 2008 event. During the third quarter event it was noted that well tags were missing on a few of the wells. It is anticipated that the tags will be replaced when the static water levels are collected for first quarter 2009.

2.5 Sample Collection

No samples were collected from either the monitoring wells, stormwater outfalls, or the leachate system sump during the third quarter 2008. Samples were collected from the leachate system sump during the fourth quarter 2008. A copy of the field form is included in Appendix A; analytical results of the fourth quarter 2008 sampling event are contained in Appendix B.

2.5.1 Leachate Sump Sample Collection and Flow Volumes

On November 11th 2008, URS collected samples of the leachate sump water as described in the Sampling and Analysis Plan. The results are in Table 3. Leachate volumes from the landfill for 2008 were estimated, and are presented in Table 4 and Figure 9. The leachate pump hour meter readings were not consistently collected in 2008. The monthly leachate volumes are an average estimate of the total yearly leachate pumped. The volume of leachate pumped in 2008 is estimated at 37.6 million gallons versus the estimated volume pumped in 2007 of 28.2 million gallons.

2.5.2 Annual Stormwater Sampling

A stormwater sample was obtained by URS from Outfall 010 on June 23rd, 2008 (second quarter). The sample was analyzed by Merit Laboratories, Inc. of East Lansing, Michigan for the constituents listed in Table 1 of the *Hydrogeologic Monitoring Plan Summary – Sampling and Analysis* (October 2005) and the Short Term Storm Water Characterization Study (February 2007).

3.0 Monitoring Results

The following sections contain the results from the 2nd semiannual 2008 monitoring period. Figures 2 through 5 were created to show the potentiometric gradient at the Landfill.

3.1 Potentiometric Surface Gradients and Velocities

3.1.1 Glacial Clay

A potentiometric surface gradient contour map (generated from the static groundwater level measurements) and the general direction of the potentiometric surface gradient (represented by the arrow) for the third and fourth quarter 2008 monitoring events are presented in Figure 2 and Figure 3, respectively. It should be noted that a potentiometric surface is a pressure surface that applies to confined aquifers under artesian pressure. Static head measurements are a representative measurement of the equilibrium head in the confining clay, not a true potentiometric surface. Calculation of groundwater flow based on static head elevations in the confining clay do not necessarily comply with standard assumptions of the velocity calculation and may over estimate actual groundwater velocity. The direction of the gradient for this monitoring event (based on static groundwater elevations from all of the Landfill monitoring wells) was generally toward the northwest (Figures 2, and 3). The gradient from monitoring well MW-13 toward MW-16 was calculated to be 3.3×10^{-3} feet/foot for the third quarter monitoring event. The gradient from monitoring well MW-13 toward MW-16 was calculated to be 3.0×10^{-3} feet/foot for the fourth quarter monitoring event.

The flow velocity was calculated to be 1.18×10^{-4} feet/year for the third quarter and 1.05×10^{-4} feet/year for the fourth quarter based on an actual effective porosity of 22% and an actual hydraulic conductivity of 7.56×10^{-9} centimeters/second¹. Gradient and flow velocity are extremely slow across the site and there is very little groundwater movement in general throughout the clays.

Two vertical pairs of monitoring wells are available in the north and northwest perimeter of the Landfill to evaluate vertical gradients within the clay. The Bedrock Aquifer well, MW-96080 located within the Landfill, can be compared to other clay wells nearby to evaluate the vertical gradient with respect to the Bedrock. A hydrograph comparing the groundwater elevations of seven of the glacial clay monitoring wells to MW-96080 is shown in Figure 8.

Static head measurements from MW-9 (shallow) and MW-8 (deeper) during the third and fourth quarters 2008 monitoring events indicate an upward vertical gradient within the clay. Static head measurements from MW-11B (shallow) and MW-11C (deeper) during the third and fourth Quarters 2008 monitoring events indicate slight upward vertical gradients. Small differences are typically observed in vertical gradient at MW-11B and MW-11C because the depth of these wells are very similar. Groundwater elevations measured in the bedrock wells during the third and fourth quarters were observed to be higher than all of the glacial clay wells indicating an overall upward vertical gradient from the bedrock aquifer to the overlying clay, consistent with previous observations.

Overall, measured water levels in all of the Landfill clay monitoring wells are consistent with previous observations. No apparent trends were identified.

3.1.2 Bedrock Aquifer

A bedrock aquifer potentiometric surface gradient contour map (generated from the static groundwater level measurements) and the general direction of the potentiometric surface gradient (represented by the arrows) for the third and fourth quarter monitoring events are presented in Figure 4 and Figure 5. The direction of the gradient for this monitoring event (based on static groundwater elevations from the four bedrock aquifer monitoring wells) was generally toward the north, following the contour of the Saginaw River. The gradient from monitoring well MW-97948 toward MW-96080 for the third quarter was calculated to be 1.35×10^{-4} feet/foot and 1.8×10^{-4} feet/foot for the fourth quarter.

The flow velocity was calculated to be 1.44 feet/year for the third quarter and 1.92 feet/year for the fourth quarter based on an effective porosity of 30% and an average hydraulic conductivity of 3.1×10^{-3} centimeters/second⁸. Measured water levels in the bedrock aquifer monitoring wells are consistent with previous observations. No apparent trends were identified.

3.2 Water Level Measurements in the Leachate Sump

Liquid levels measured in the Landfill sump are significantly lower than perimeter groundwater head (38 to 40 feet), indicating a pervasive “inward” hydraulic potential along the entire Landfill perimeter. (See Tables 1 and 2, and Figure 10).

3.3 Well Purgling

Approximately 1.0 to 4.0 gallons of groundwater were removed as described in the Sampling and Analysis Plan. No excessive turbidity or visual evidence of well malfunction was identified (Appendix A).

3.4 Leachate Analysis and Flow Volumes

The monthly volumes of pumped leachate, as measured at the Landfill sump are presented in Figure 9. Metals concentrations in the sample obtained from the Landfill sump are consistent with past data. No apparent concentration trends or new detections can be identified for metals detected since 2003 in Landfill leachate. Time series plots for detected constituents are presented in Appendix C.

3.5 Annual Stormwater Sampling

Results of stormwater sampling are summarized in the *1st Semiannual 2008 Environmental Monitoring Report*, dated July 2008. Results were consistent with previous findings.

4.0 Summary and Recommendations

Hydraulic monitoring for the 2nd semiannual 2008 monitoring event of the GMPT-SMCO Landfill was performed on September 10th and November 11th, 2008. Static water levels were collected from the nine glacial clay monitoring wells and four bedrock aquifer monitoring wells. The monitoring indicated that the water elevation in the bedrock aquifer continues to be at a higher elevation than the potentiometric surface of the glacial clay wells. The leachate collection system has continued to operate during the third and fourth quarters producing an inward gradient relative to the leachate system, the glacial clay, and bedrock aquifers. This indicates that the Landfill continues to operate with an effective inward gradient.

Due to the favorable hydraulic conditions, continued hydraulic monitoring is recommended at the GMPT-SMCO Landfill. The quarterly groundwater hydraulic monitoring program and annual leachate chemical monitoring proposed in the Waiver Request Report⁵ and the Hydrogeologic Monitoring Plan³, Summary for Sampling and Analysis⁷ is proving adequate to insure that there is no potential for migration of hazardous constituents from the unit to the uppermost aquifer during the active life of the unit and post-closure care period.

5.0 References

1. *General Motors Powertrain, Hydrogeologic Monitoring Plan Amendment, Saginaw Metal Casting Operations Landfill*, prepared by Radian International, March 1999.
2. *General Motors Powertrain, Hydrogeologic Monitoring Plan, Saginaw Metal Casting Operations Landfill*, prepared by Radian International LLC, October 1995, revised October 1996 and January 1997.
3. "Hydrogeologic Monitoring Plan Amendment" (written correspondence), prepared by Mr. Robert Wolfe, Michigan Department of Environmental Quality, May 3, 1999.
4. "Groundwater Sampling and Monitoring Program Proposal for Interim Monitoring", letter prepared by Mr. Joseph S. Toth, GM Powertrain, January 27, 2005.
5. "Waiver Request Report", prepared by URS Corporation, March 2005.
6. "Groundwater Sampling and Monitoring Program Proposal for Interim Monitoring", letter prepared by Terry Walkington, MDEQ-WHMD, February 7, 2005.
7. *GMPT-SMCO Landfill Hydrogeologic Monitoring Plan Summary, Sampling and Analysis*, prepared by URS Corporation, October 24, 2005.
8. *Phase 1A RCRA Facility Investigation (RFI) Report and Phase 1B RFI Workplan*, prepared by EMCON, April 19, 2000.

Table 1

**Groundwater and Leachate Elevations
Third Quarter 2008**

Table 1
General Motors Powertrain
Saginaw Metal Casting Operations Landfill
2nd Semiannual Report 2008 Groundwater and Leachate Elevations

September 10th, 2008

Landfill Monitoring Well	Top of Casing¹ (U.S.G.S. Datum)	Static Groundwater Level from Top of Casing (feet)	Groundwater Elevation (U.S.G.S. Datum)
MW-05	584.09	7.66	576.43
MW-08	586.03	4.83	581.20
MW-09	586.03	9.99	576.04
MW-11B	590.84	16.32	574.52
MW-11C	590.83	16.21	574.62
MW-12	596.94	19.29	577.65
MW-13	586.46	4.20	582.26
MW-14	588.48	7.83	580.65
MW-16	587.34	9.58	577.76

Leachate Sump	Top of Casing (U.S.G.S. Datum)	Static Sump Water Level from Top of Sump (feet)	Sump Water Elevation (U.S.G.S. Datum)
	564.00+/-	26.95	537.05

Bedrock Aquifer Monitoring Well	Top of Casing (U.S.G.S. Datum)	Static Groundwater Level from Top of Casing (feet)	Groundwater Elevation (U.S.G.S. Datum)
MW-93205	589.98	3.87	586.11
MW-96939	592.04	7.12	584.92
MW-96080	586.38	2.25	584.13
MW-97948	589.74	5.10	584.64

Note:

1. Top of Casing surveyed in June 2004 by McDowell & Associates.

Table 2
Groundwater and Leachate Elevations
Fourth Quarter 2008

Table 2
General Motors Powertrain
Saginaw Metal Casting Operations Landfill
2nd Semiannual Report 2008 Groundwater and Leachate Elevations

November 11th, 2008

Landfill Monitoring Well	Top of Casing¹ (U.S.G.S. Datum)	Static Groundwater Level from Top of Casing (feet)	Groundwater Elevation (U.S.G.S. Datum)
MW-05	584.09	7.94	576.15
MW-08	586.03	4.84	581.19
MW-09	586.03	9.93	576.10
MW-11B	590.84	16.62	574.22
MW-11C	590.83	16.50	574.33
MW-12	596.94	18.75	578.19
MW-13	586.46	4.60	581.86
MW-14	588.48	7.54	580.94
MW-16	587.34	9.50	577.84

Leachate Sump	Top of Casing (U.S.G.S. Datum)	Static Sump Water Level from Top of Sump (feet)	Sump Water Elevation (U.S.G.S. Datum)
	564.00+/-	27.18	536.82

Bedrock Aquifer Monitoring Well	Top of Casing (U.S.G.S. Datum)	Static Groundwater Level from Top of Casing (feet)	Groundwater Elevation (U.S.G.S. Datum)
MW-93205	589.98	3.75	586.23
MW-96939	592.04	7.03	585.01
MW-96080	586.38	2.20	584.18
MW-97948	589.74	4.88	584.86

Note:

1. Top of Casing surveyed in June 2004 by McDowell & Associates.

Table 3

**Leachate Chemical Monitoring Results
2008**

**Table 3
Leachate Chemical Monitoring Results
General Motors Powertrain
Saginaw Metal Casting Operations Landfill**

Rule 452 Heavy Metals	Laboratory Method	Reportable Detection Limit**	Analytical Results
Aluminum*	200.8	0.005 mg/L	0.028 mg/L
Arsenic	200.8	0.001 mg/L	0.021 mg/L
Barium	200.8	0.005 mg/L	0.066 mg/L
Beryllium	200.8	0.001 mg/L	Not Detected
Cadmium	200.8	0.02 mg/L	Not Detected
Chromium	200.8	0.001 mg/L	Not Detected
Cobalt	200.8	0.005 mg/L	Not Detected
Copper	200.8	0.001 mg/L	0.030 mg/L
Lead	200.8	0.001 mg/L	0.002 mg/L
Magnesium*	200.8	0.05 mg/L	22.6 mg/L
Manganese*	200.8	0.005 mg/L	0.296 mg/L
Nickel	200.8	0.005 mg/L	Not Detected
Selenium	200.8	0.001 mg/L	0.002 mg/L
Silver	200.8	0.0005 mg/L	0.0031 mg/L
Thallium	200.8	0.001 mg/L	Not Detected
Vanadium	200.8	0.005 mg/L	Not Detected
Zinc	200.8	0.005 mg/L	0.070 mg/L

*Note: Additional metal not listed in Rule 452; selected from Rule 451 and based on waste characterization.

** Reportable Detection Limit from MDEQ Operational Memo Gen-8, Revision 6, August 7, 2002

Table 4

Leachate Volumes Removed, 2004 - 2008

Table 4
General Motors Powertrain
Saginaw Metal Casting Operations Landfill
Leachate Volumes Removed, 2004 – 2008
(gallons)

Month	2004	2005	2006	2007	2008
January	1,944,000	2,727,000	4,935,000	3,190,000	3,800,000
February	1,320,000	3,201,000	3,228,000	1,370,000	3,800,000
March	6,273,000	5,466,000	6,411,000	3,770,000	3,800,000
April	1,752,000	2,034,000	3,162,000	3,700,000	3,800,000
May	3,996,000	2,391,000	5,028,000	2,550,000	2,800,000
June	2,046,000	2,493,000	2,256,000	2,220,000	2,800,000
July	1,407,000	1,611,000	896,000	2,300,000	2,800,000
August	933,000	1,335,000	5,169,000	1,410,000	2,800,000
September	777,000	813,000	1,899,000	3,420,000	2,800,000
October	930,000	1,041,000	7,479,200	1,230,000	2,800,000
November	1,785,000	1,461,000	2,613,000	1,090,000	2,800,000
December	2,001,000	2,691,000	3,150,000	1,971,000	2,800,000

***Note:** Leachate pump hour meter readings were not consistently collected in 2008. The monthly leachate volumes are an average estimate from data in January, May and December 2008.

Figure 1

**Site Location GM-SMCO Landfill
Buena Vista Twp., MI**



General Motors Powertrain
Saginaw Metal Casting Operations Landfill

I-75

WWTP

GM-SMCO
LANDFILL

DESIGN BY:
VRM

DATE:
07/09/08

SCALE:
1"=500'

TITLE:
FIGURE 1. SITE LOCATION
GM-SMCO LANDFILL
BUENA VISTA TWP., MI

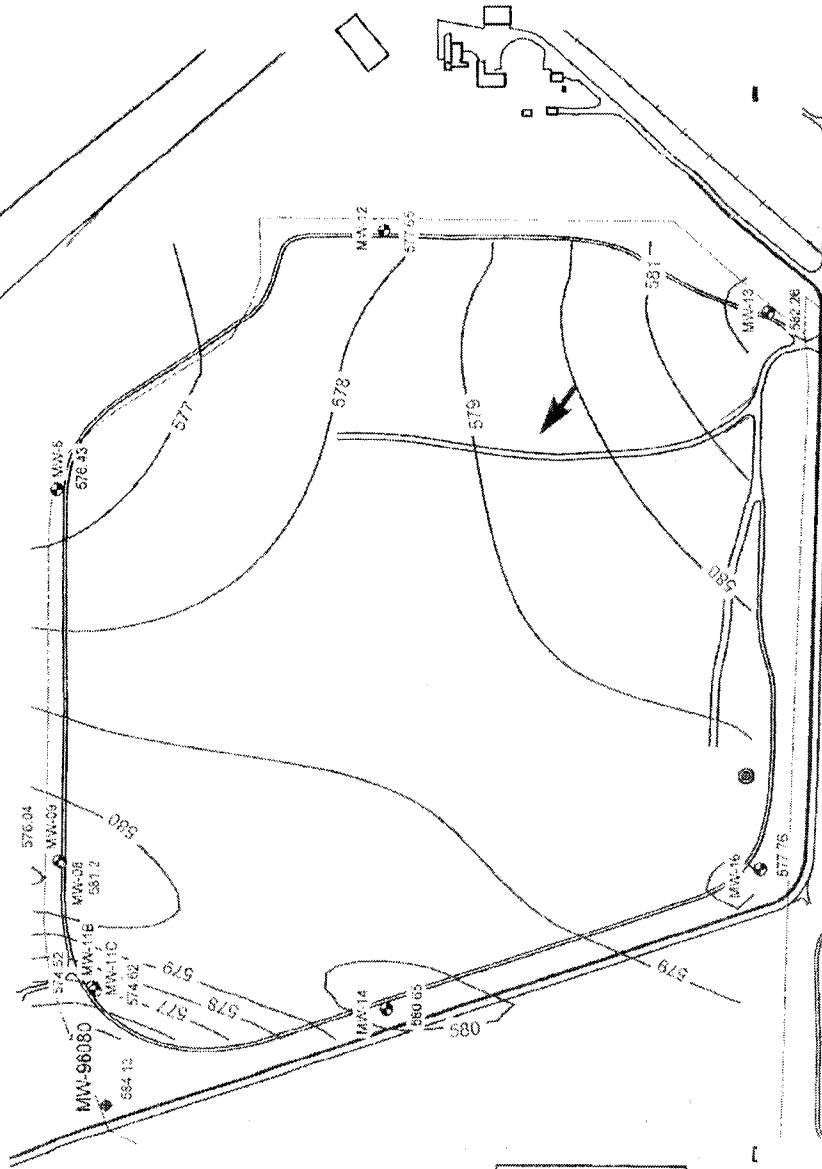
FILE:
Site Map.mxd

Figure 2

**Glacial Clay Potentiometric Surface Gradient Map
Third Quarter 2008**



General Motors Powertrain
Saginaw Metal Casting Operations Landfill



Legend

Data Collected 08/19/08

- Sump
- Clay Wells
- Bedrock Wells
- General Potentiometric Surface Gradient

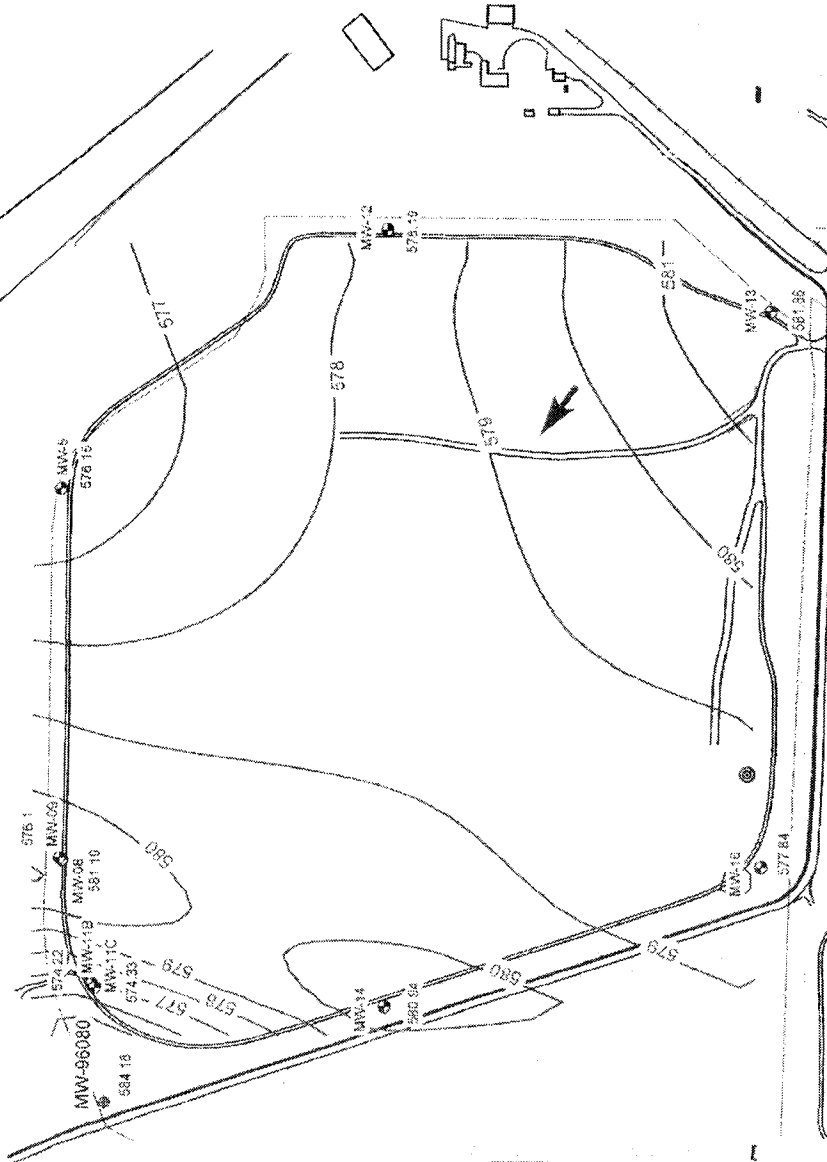
PROJECT	FIGURE 2. GLACIAL CLAY POTENTIOMETRIC SURFACE GRADIENT MAP, 3rd QUARTER 2008		
DATE	VRM	1/16/09	
SCALE	1"=400'		
FILE NAME	Clay_Monitoring-3Q08.mxd		

Figure 3

**Glacial Clay Potentiometric Surface Gradient Map
Fourth Quarter 2008**



General Motors Powertrain
Saginaw Metal Casting Operations Landfill



Legend

Data Collected 1/13/08

- Sump
- Clay Wells
- Bedrock Wells
- General Potentiometric Surface Gradient

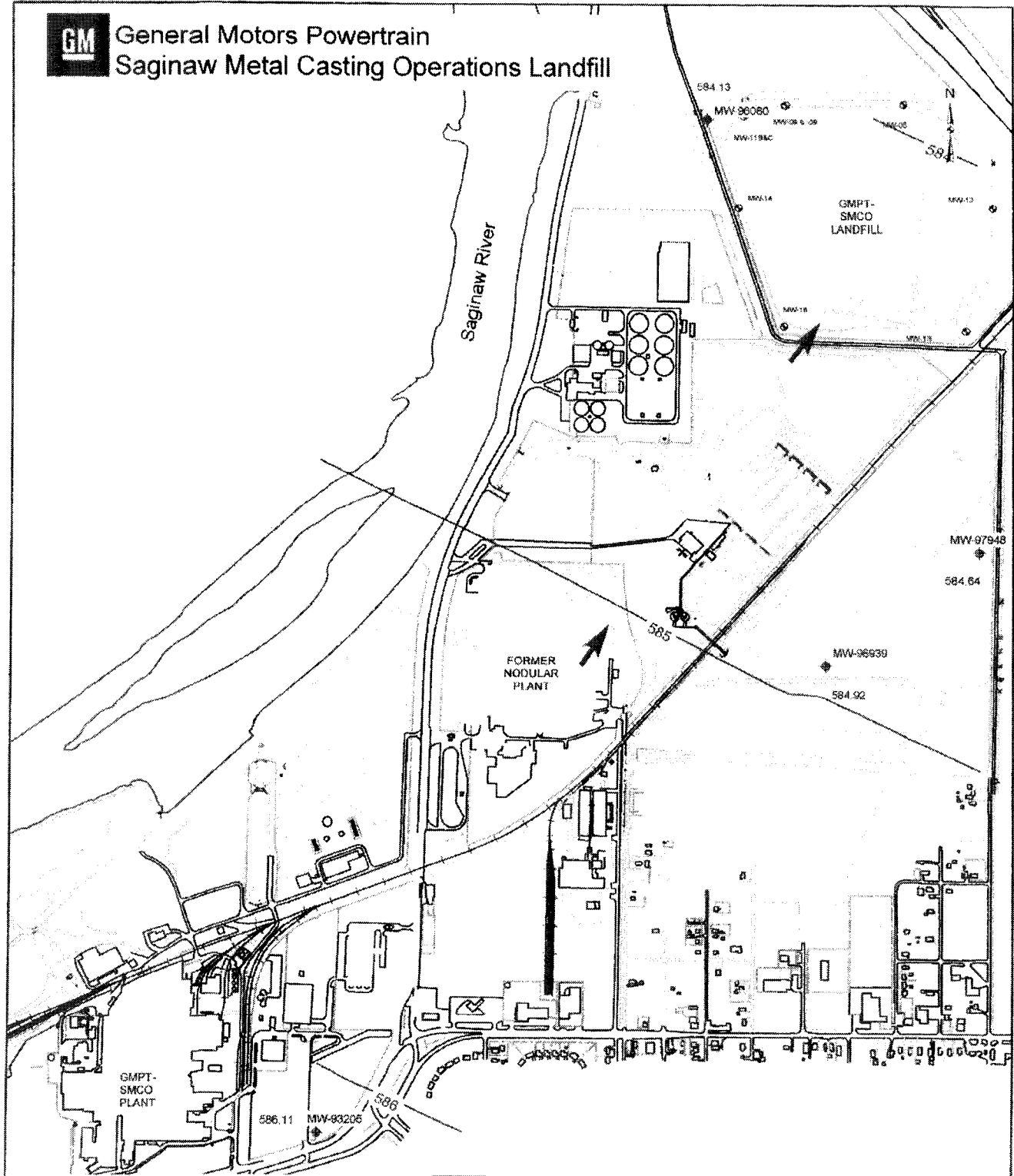
FIGURE 3. GLACIAL CLAY POTENTIOMETRIC SURFACE GRADIENT MAP, 4th QUARTER 2008
Clay Monitoring-4Q08.mxd

Figure 4

**Bedrock Aquifer Potentiometric Surface Gradient Map
Third Quarter 2008**



General Motors Powertrain
Saginaw Metal Casting Operations Landfill



Legend

Data Collected 09/10/08

- Clay Wells
- Bedrock Well
- General Potentiometric Surface Gradient

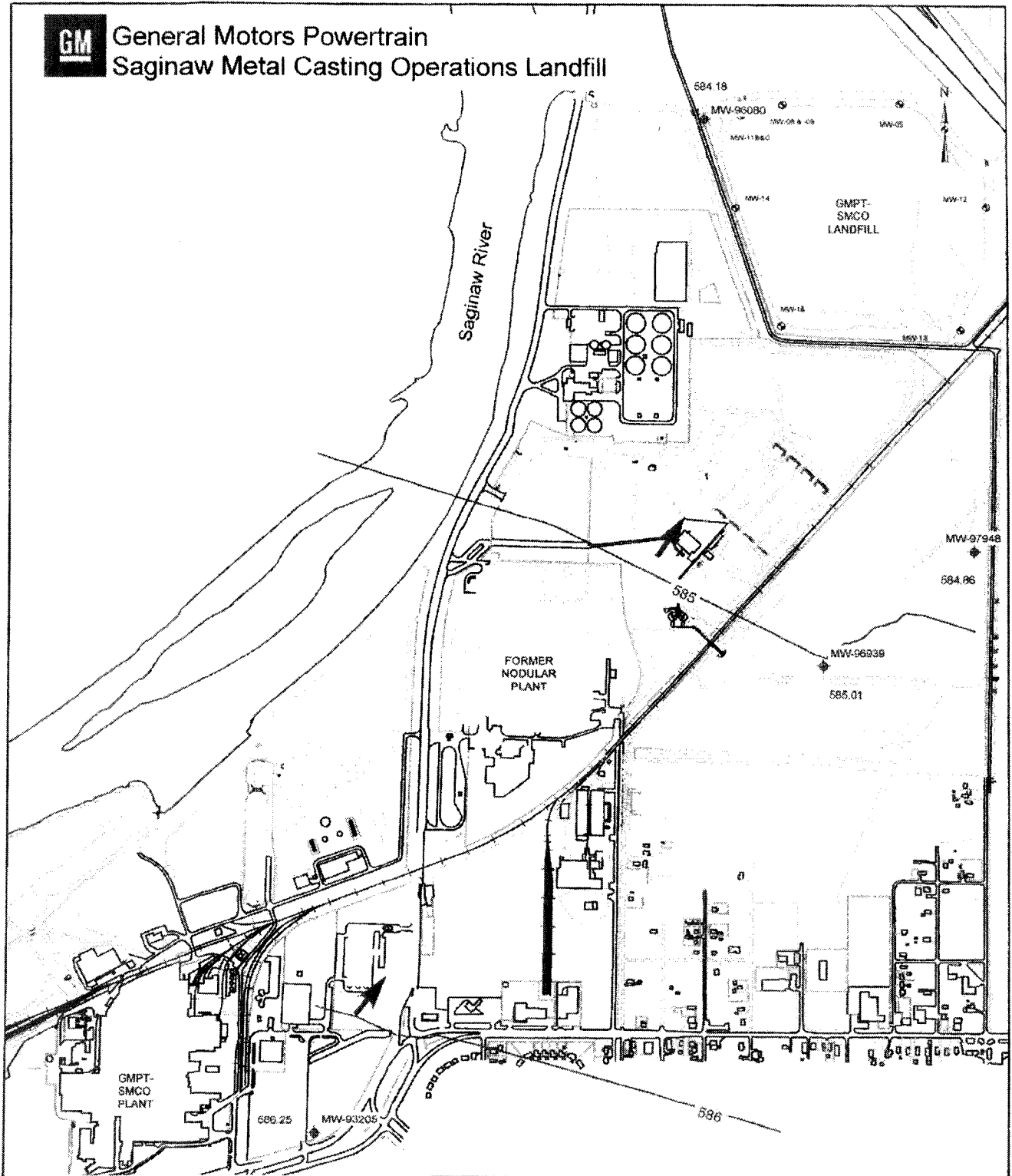
Drawn By:	VRM	Title:	<p align="center">FIGURE 4. BEDROCK AQUIFER POTENTIOMETRIC SURFACE GRADIENT MAP , 3rd QUARTER 2008</p>
Date:	1/15/08		
Scale:	1"=1,000'	File:	

Figure 5

**Bedrock Aquifer Potentiometric Surface Gradient Map
Fourth Quarter 2008**



**General Motors Powertrain
Saginaw Metal Casting Operations Landfill**



Legend

Data Collected 11/11/08

- ◉ Clay Wells
- ◆ Bedrock Well
- ➔ General Potentiometric Surface Gradient

Drawn By: VRM	Title: FIGURE 5. BEDROCK AQUIFER POTENTIOMETRIC SURFACE GRADIENT MAP , 4th QUARTER 2008
Date: 1/15/08	
Scale: 1"=1,000'	File: Bedrock-4Q08.mxd

Figure 6
GM-SMCO Landfill
Clay Monitoring Well Hydrograph



Figure 6 GM-SMCO Landfill
Clay Monitoring Well Hydrograph

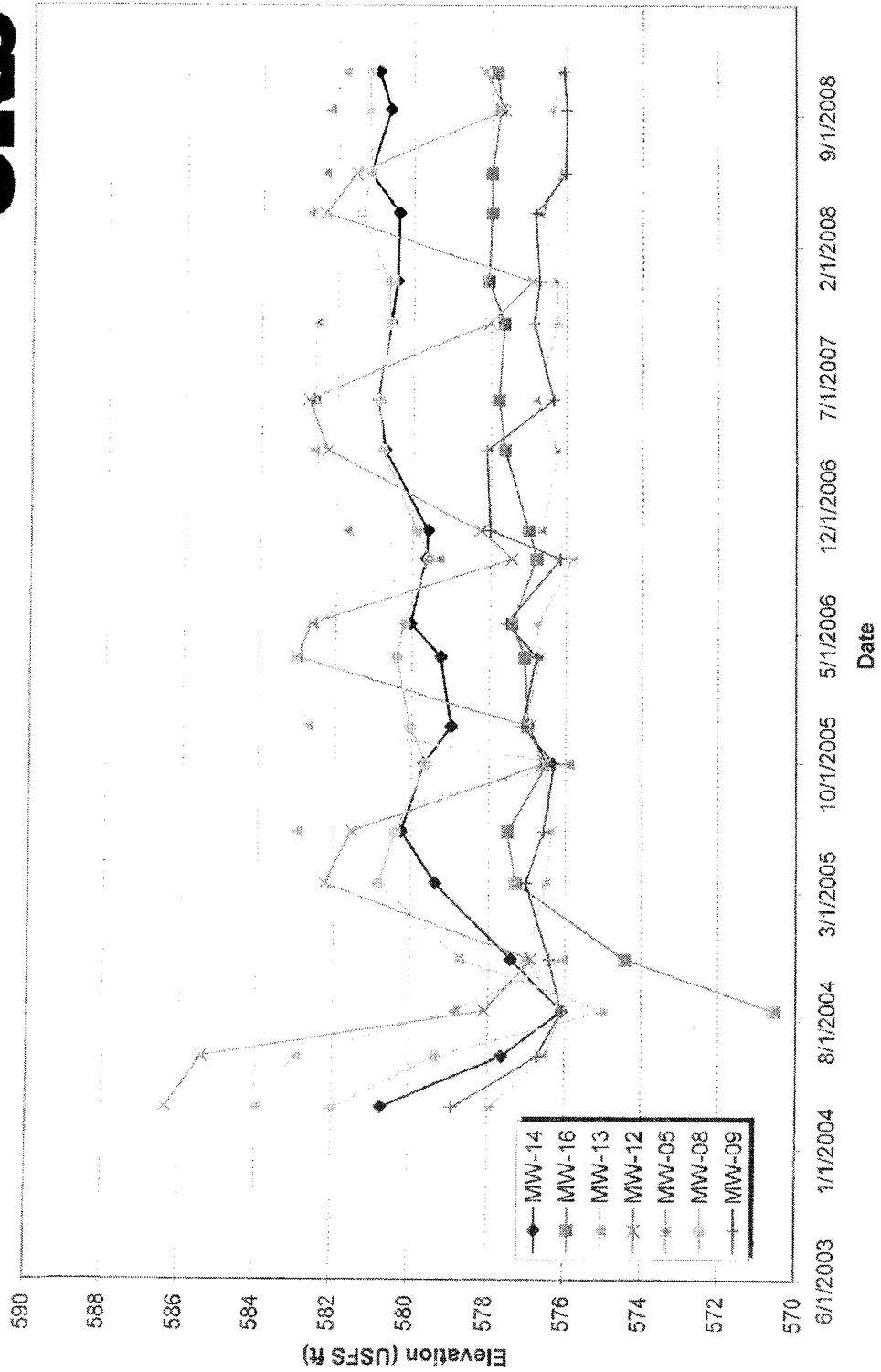


Figure 7
GM-SMCO Landfill
Bedrock Monitoring Well Hydrograph



Figure 7 GM-SMCO Landfill
Bedrock Monitoring Well Hydrograph

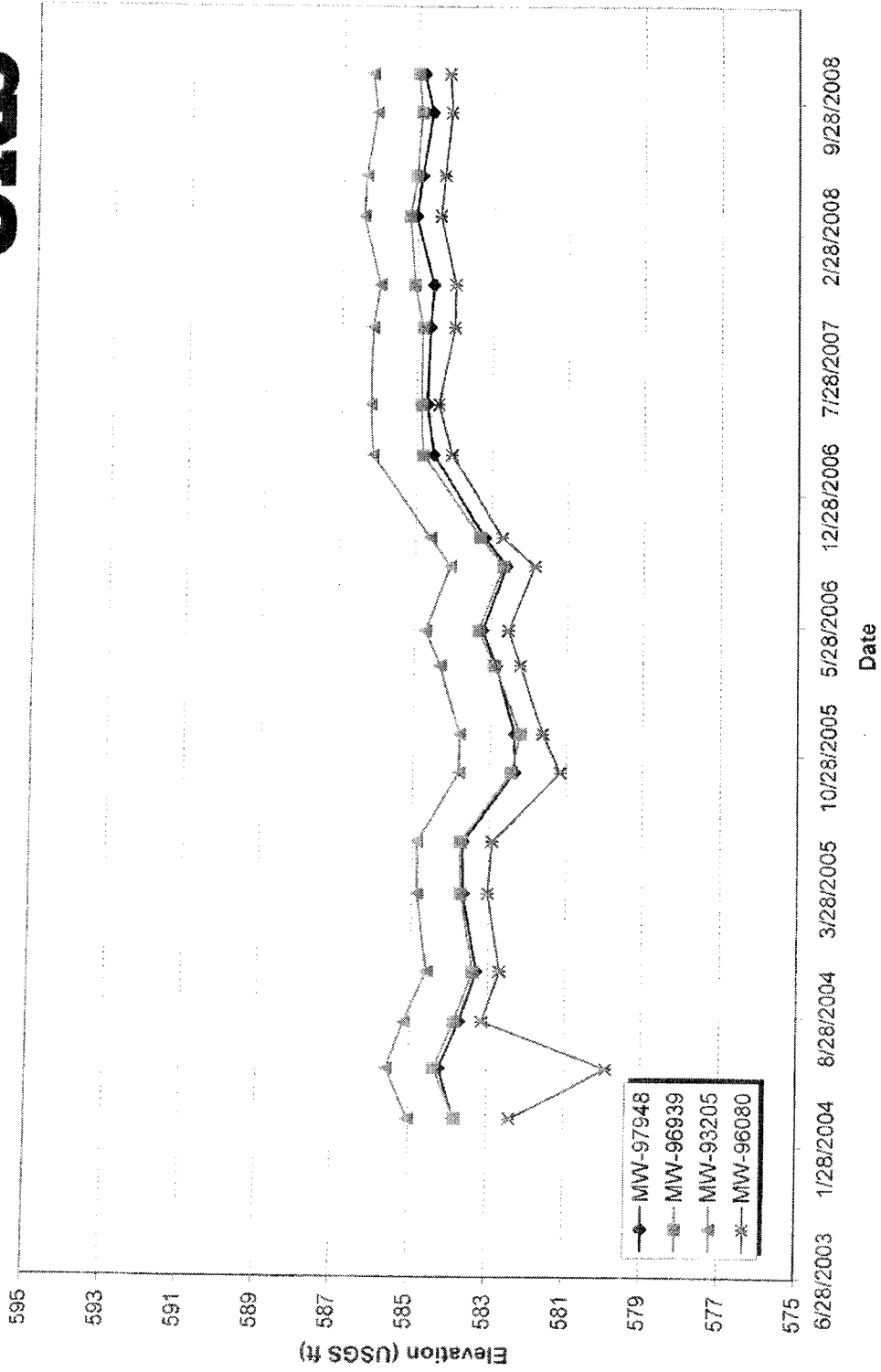


Figure 8

GM-SMCO Landfill
Comparison Monitoring Well Hydrograph



Figure 8 GM-SMCO Landfill
Comparison Monitoring Well Hydrograph

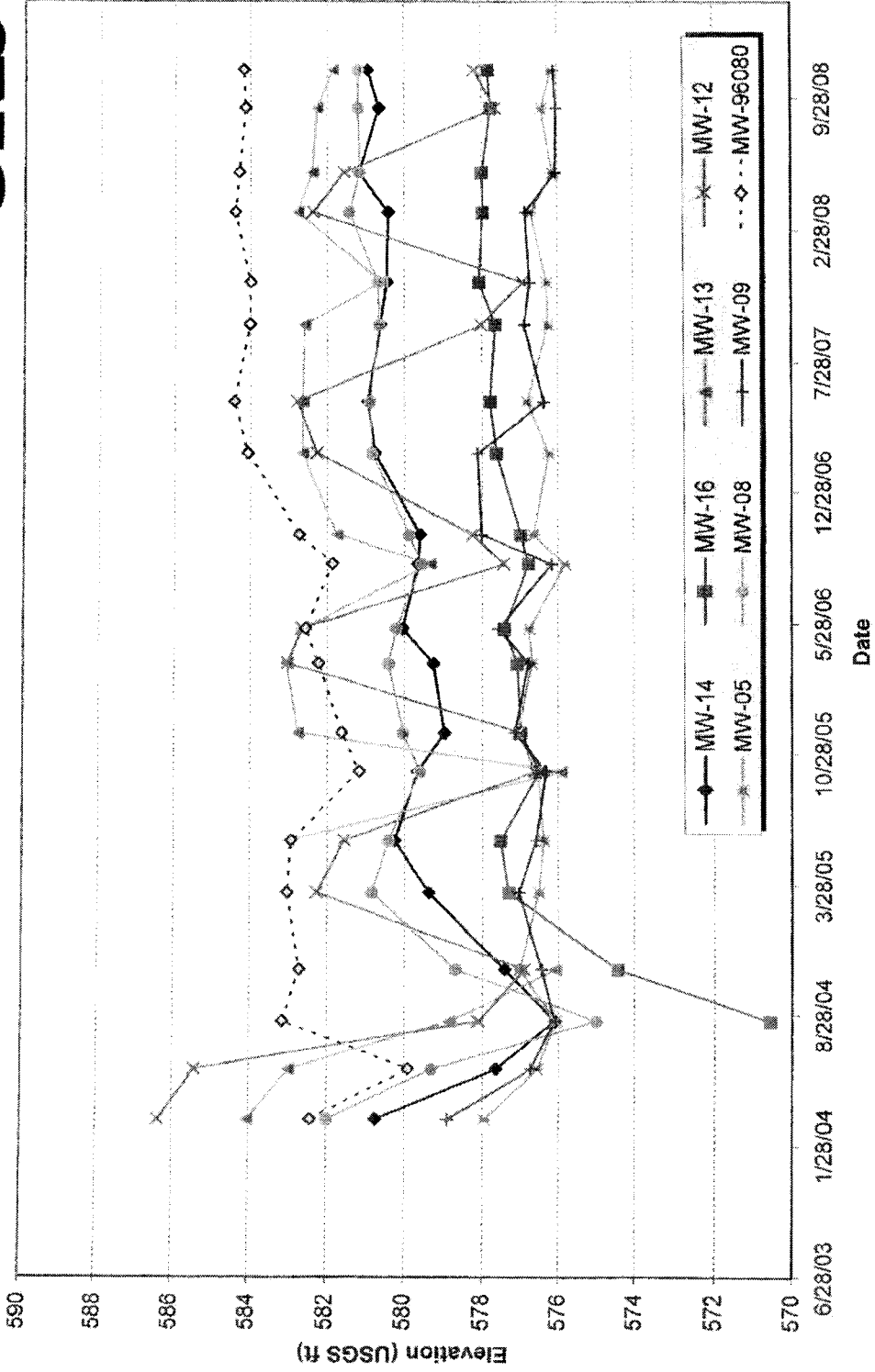
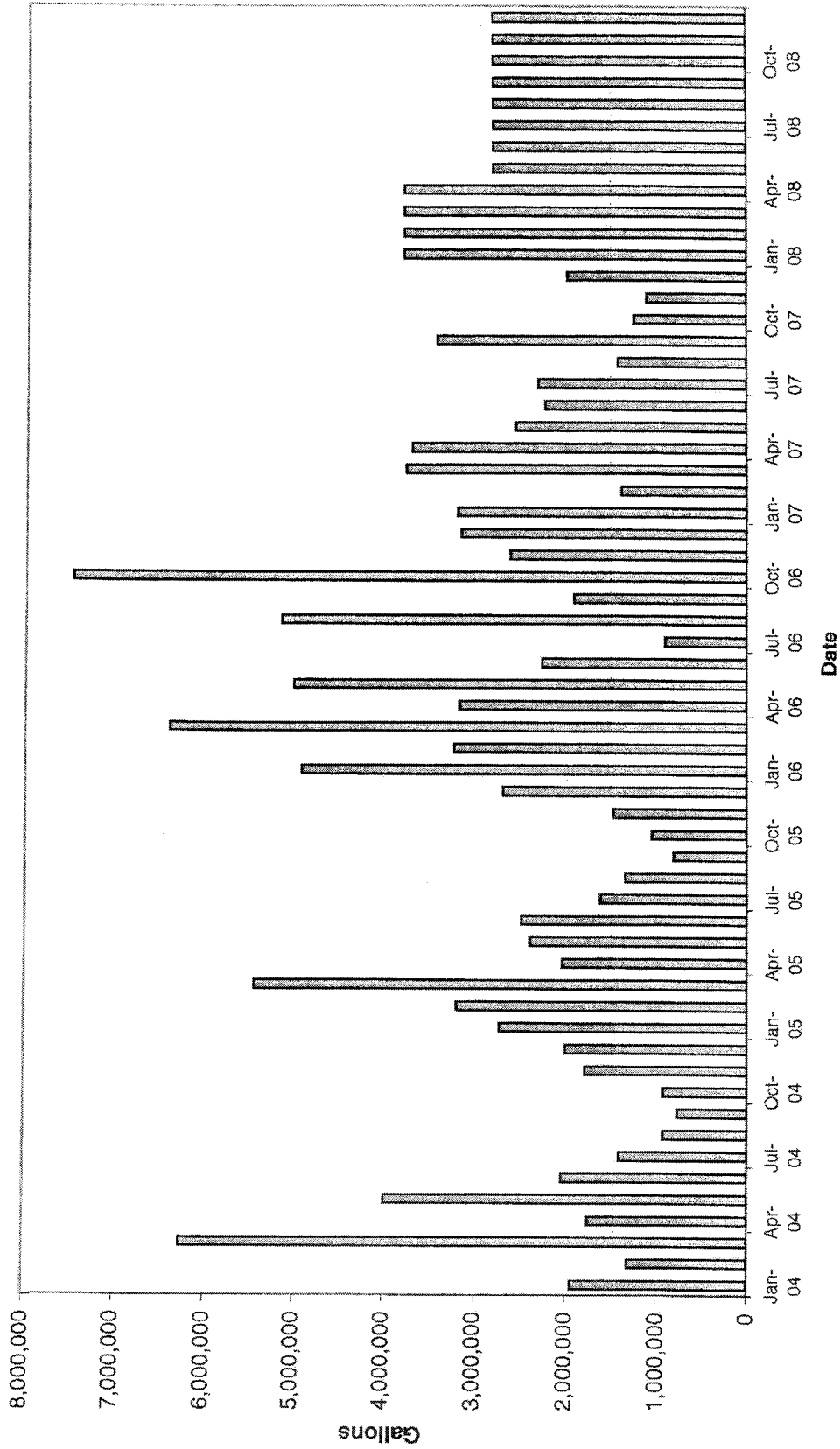


Figure 9
GM-SMCO Landfill
Monthly Leachate Volumes



GM Figure 9. GM-SMCO Landfill Monthly Leachate Volumes

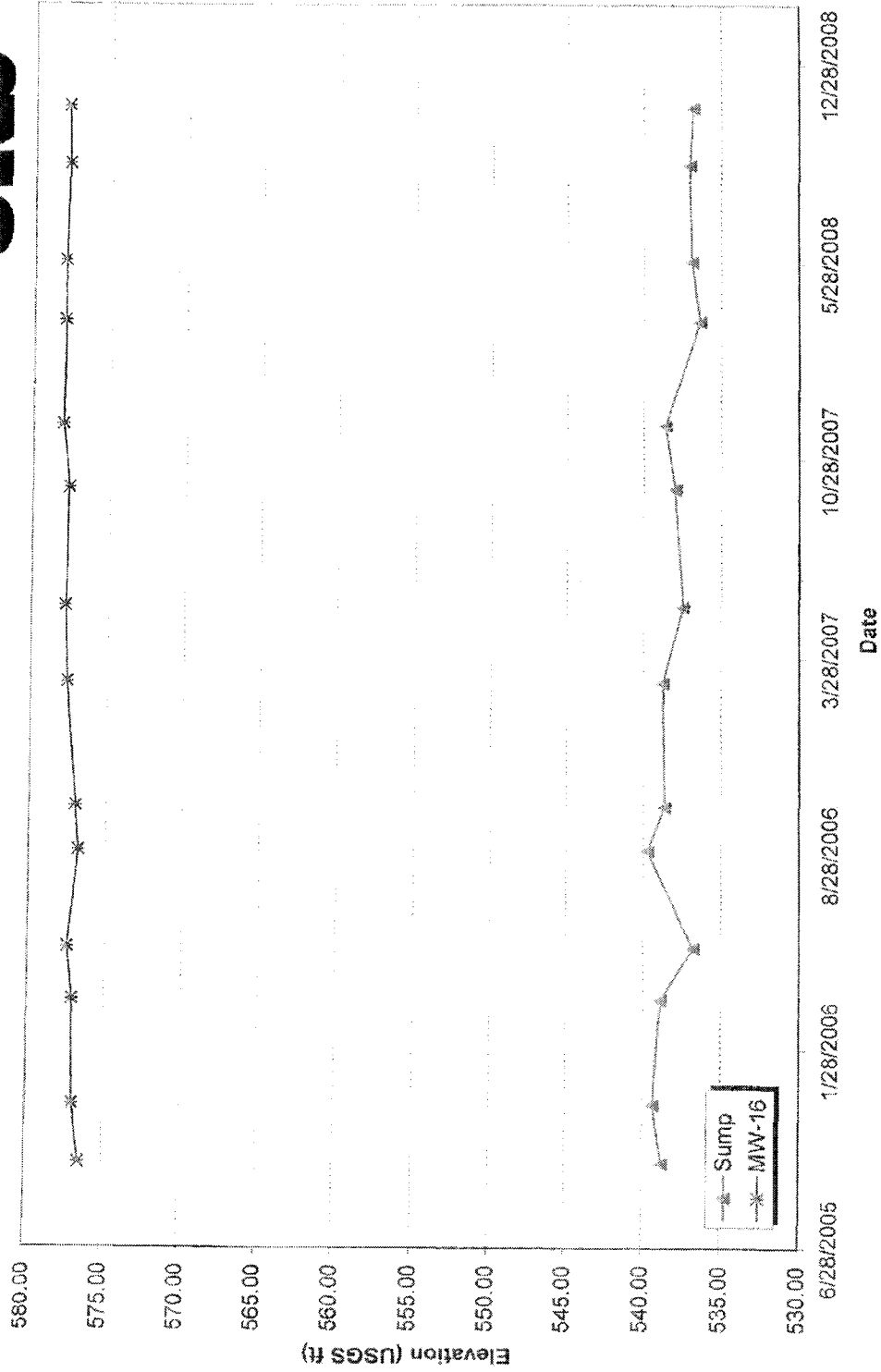


*Note: Leachate pump hour meter readings were not consistently collected in 2008. The monthly leachate volumes are an average estimate from data in January, May, and December 2008.

Figure 10
GM-SMCO Landfill
MW-16 vs. Leachate Sump Hydrograph



Figure 10 GM-SMCO Landfill
MW-16 vs. Leachate Sump Hydrograph



Appendix A
Field Forms

GM SMCO LANDFILL

WELL	Temperature (°C)	D.O. (mg/L)	Cond. (mS/cm2)	pH	ORP (mV)	Turbidity (NTUs)
MW-13	10.83	1.02	1325	7.67	121	42.14
MW-12	10.26	2.30	1109	7.0	145	3.05
MW-5	12.36	1.45	1294	6.91	-47	10.14
MW-9	13.1	2.94	1224	6.03	-51	7.32
MW-8	13.04	1.82	1522	6.32	-60	17.55
MW-11C	13.22	1.51	1206	7.42	-127	2.66
MW-11B	14.32	1.21	1146	7.1	-122	5.17
MW-14	15.0	1.64	1304	7.05	-72	13.76
MW-16	16.23	1.54	1047	7.25	-81	19.62
SUMP	16.41	1.50	1283	7.50	-32	7.00

Date Collected: 11/11/08
 Collected By: John Holben

Appendix B
2008 Leachate Analysis



Analytical Laboratory Report

Revised Report

Report ID: S39029.01(02)
Generated on 11/25/2008
Replaces report S39029.01(01) generated on 11/21/2008

Report to

Attention: Lori Hoevermeyer/ Ray Ilkka
URS - DOW MIOPS
Bldg. 1078
Midland, MI 48640

Phone: 989-638-4284 FAX:
Email: lhoevermeyer@dow.com/ray.ilkka@gm.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S39029.01
Project: GM 4th Quarter - Landfill
Collected Date: 11/11/2008
Submitted Date/Time: 11/12/2008 14:50
Sampled by: John Holber
P.O. #: 4010020

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Revised Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S39029.01	GM-Sump	Liquid	11/11/2008 12:05



Analytical Laboratory Report

Revised Report

Lab Sample ID: S39029.01
 Sample Tag: GM-Sump
 Collected Date/Time: 11/11/2008 12:05
 Matrix: Liquid
 COC Reference: 045545

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	4.3	IR

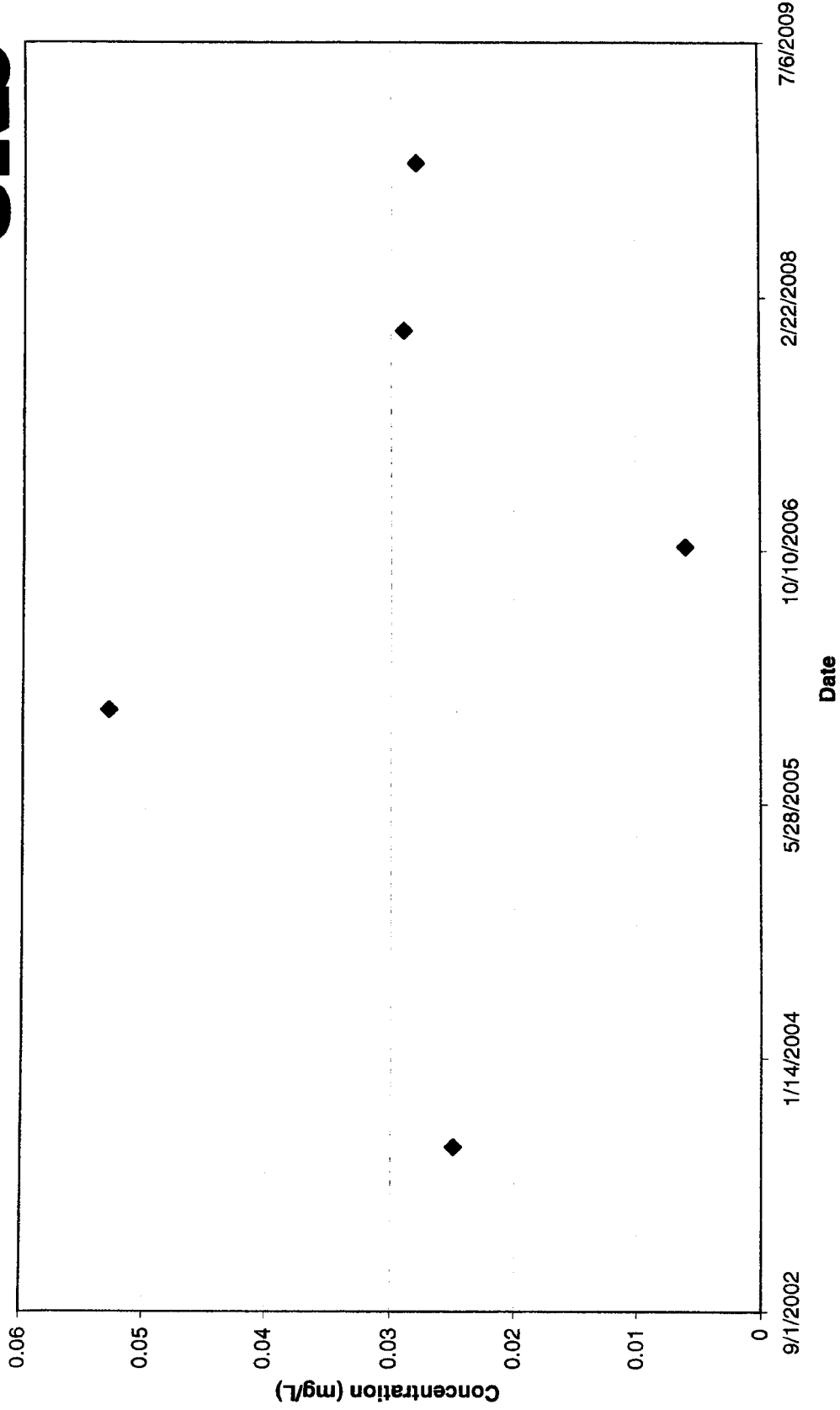
Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3015A	11/20/08 12:00	SLS		
Metals								
Aluminum	0.028	mg/L	0.005	200.8	11/20/08 13:39	SLS	7429-90-5	
Arsenic	0.021	mg/L	0.001	200.8	11/20/08 13:39	SLS	7440-38-2	
Barium	0.066	mg/L	0.005	200.8	11/20/08 13:39	SLS	7440-39-3	
Beryllium	Not detected	mg/L	0.001	200.8	11/21/08 13:46	SLS	7440-41-7	
Cadmium	Not detected	mg/L	0.02	200.8	11/20/08 13:39	SLS	7440-43-9	
Chromium	Not detected	mg/L	0.001	200.8	11/20/08 13:39	SLS	7440-47-3	
Cobalt	Not detected	mg/L	0.005	200.8	11/20/08 13:39	SLS	7440-48-4	
Copper	0.030	mg/L	0.001	200.8	11/20/08 13:39	SLS	7440-50-8	
Lead	0.002	mg/L	0.001	200.8	11/20/08 13:39	SLS	7439-92-1	
Magnesium	22.6	mg/L	0.05	200.8	11/21/08 13:21	SLS	7439-95-4	
Manganese	0.296	mg/L	0.005	200.8	11/20/08 13:39	SLS	7439-96-5	
Nickel	Not detected	mg/L	0.005	200.8	11/20/08 13:39	SLS	7440-02-0	
Selenium	0.002	mg/L	0.001	200.8	11/21/08 13:46	SLS	7782-49-2	
Silver	0.0031	mg/L	0.0005	200.8	11/20/08 13:39	SLS	7440-22-4	
Thallium	Not detected	mg/L	0.001	200.8	11/20/08 13:39	SLS	7440-28-0	
Vanadium	Not detected	mg/L	0.005	200.8	11/20/08 13:39	SLS	7440-62-2	
Zinc	0.070	mg/L	0.005	200.8	11/20/08 13:39	SLS	7440-66-6	

Appendix C

Summary Charts of Leachate Analyses

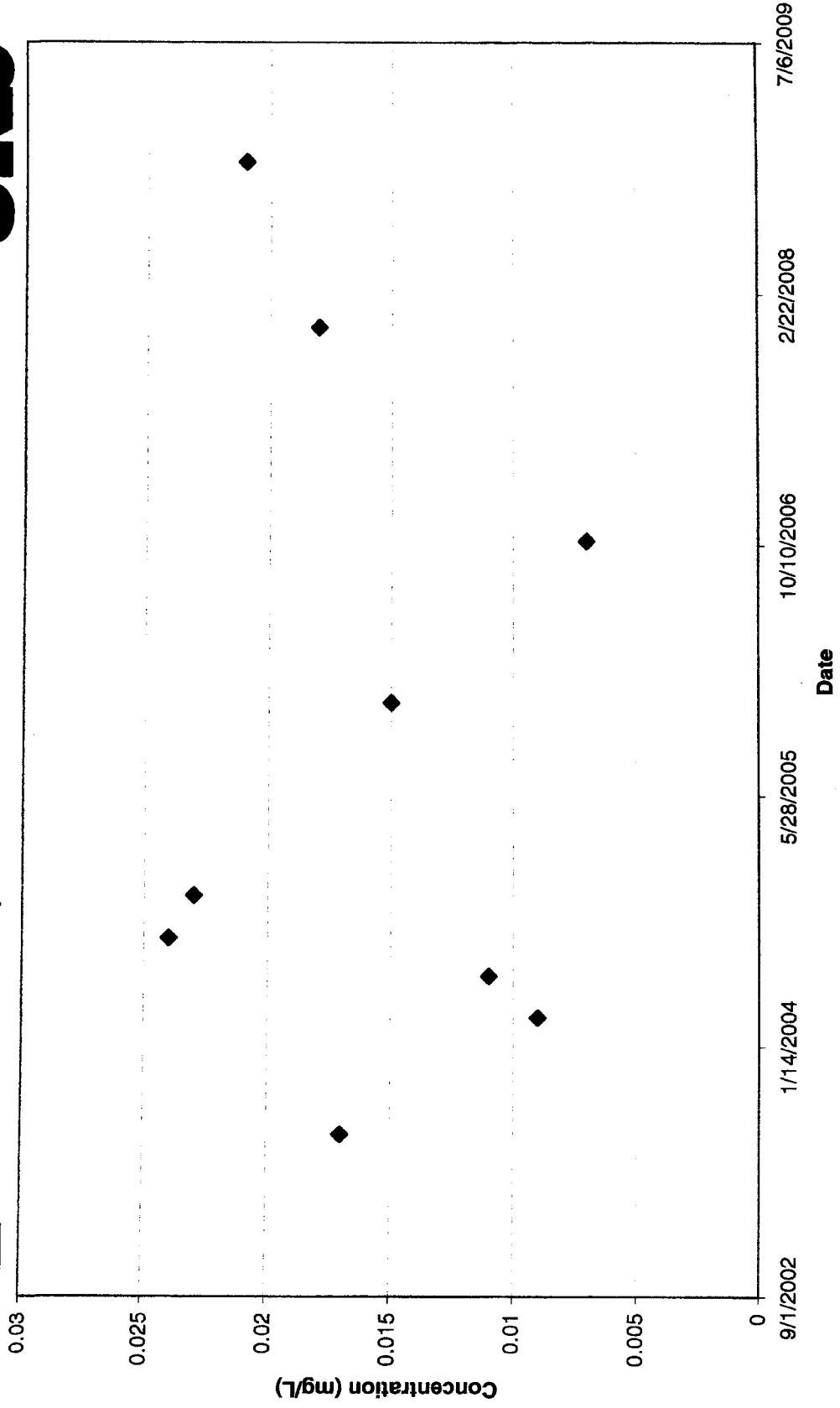


**GM-SMCO Landfill
Aluminum in Leachate Samples**



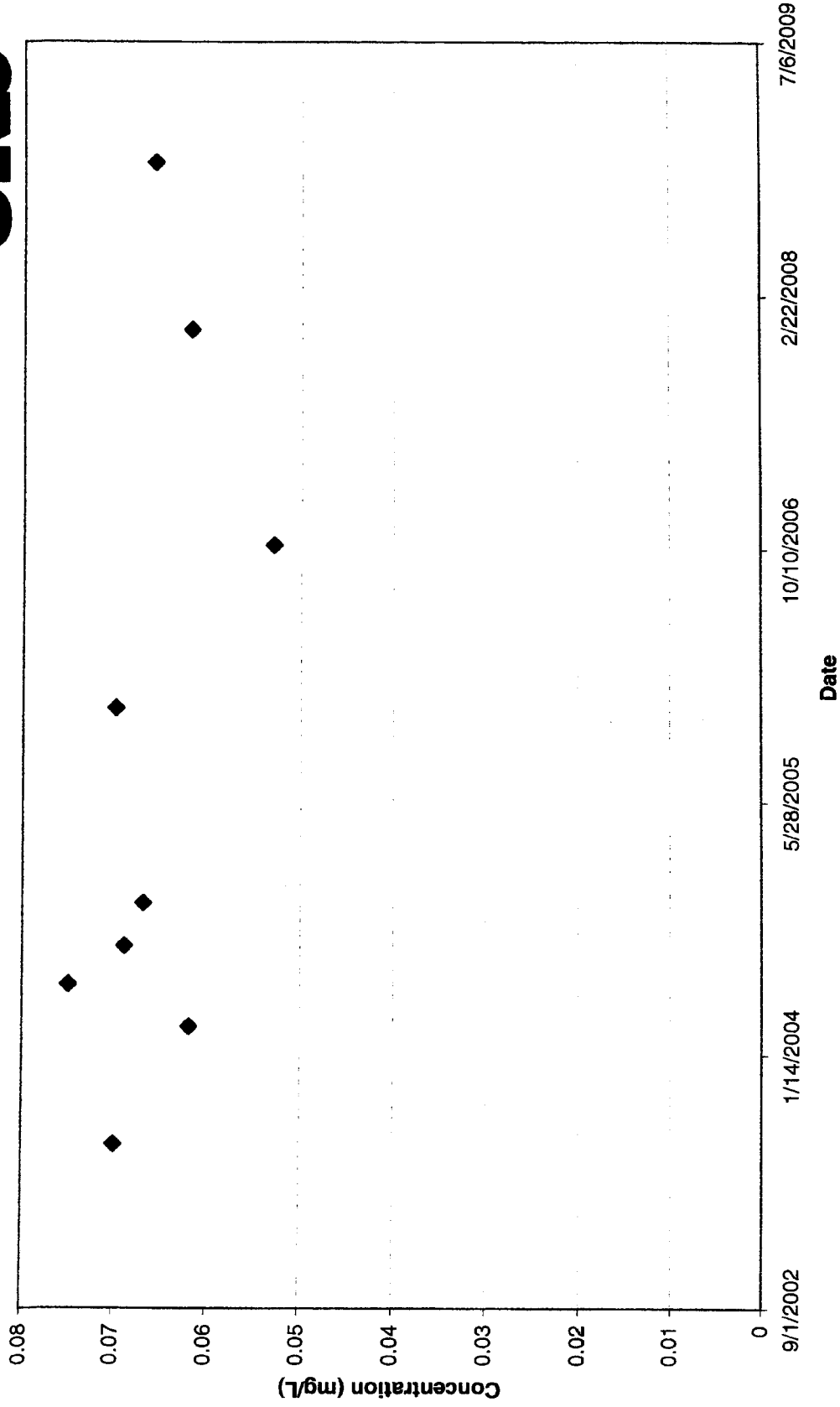


GM GM-SMCO Landfill
Arsenic in Leachate Samples



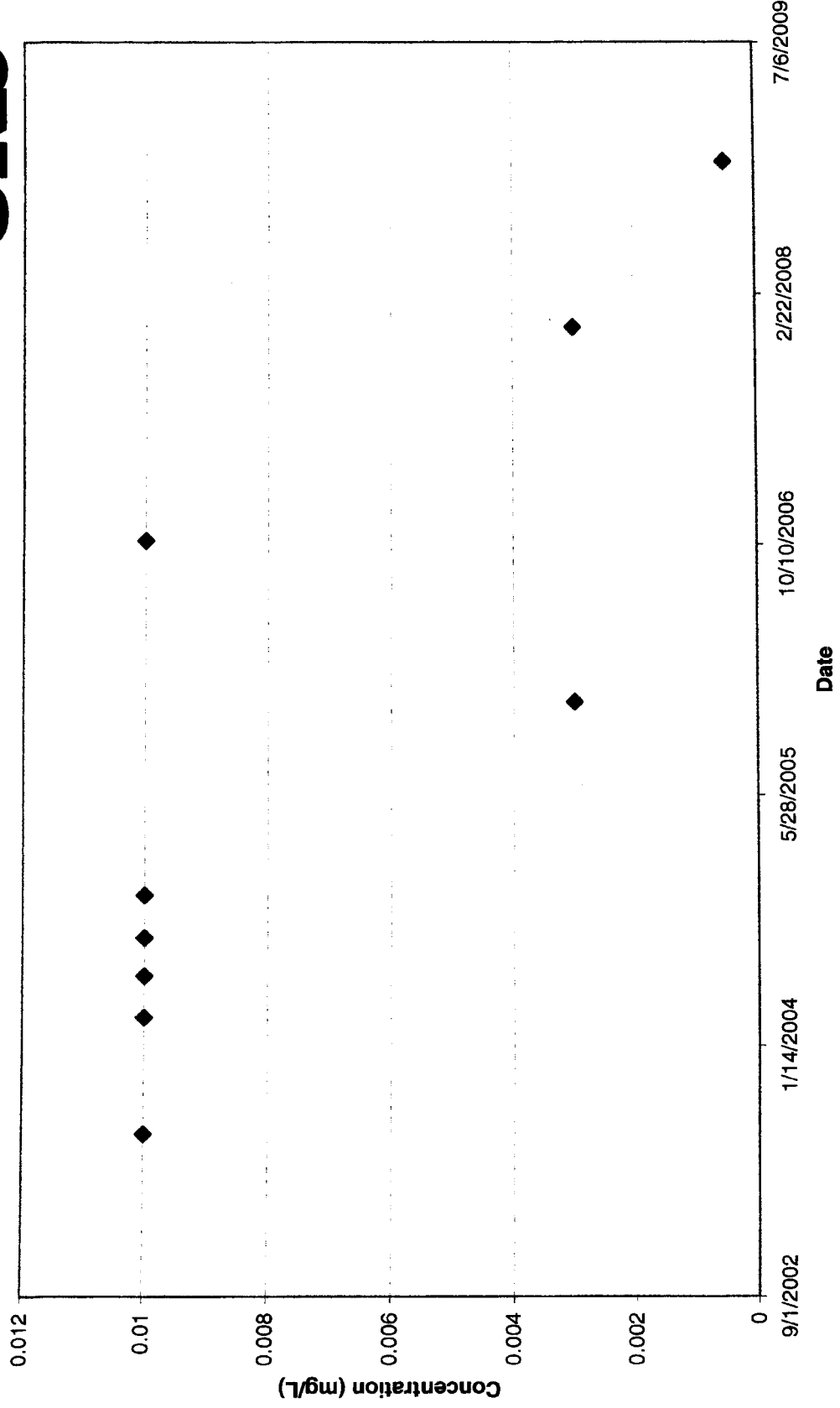


GM-SMCO Landfill
Barium in Leachate Samples



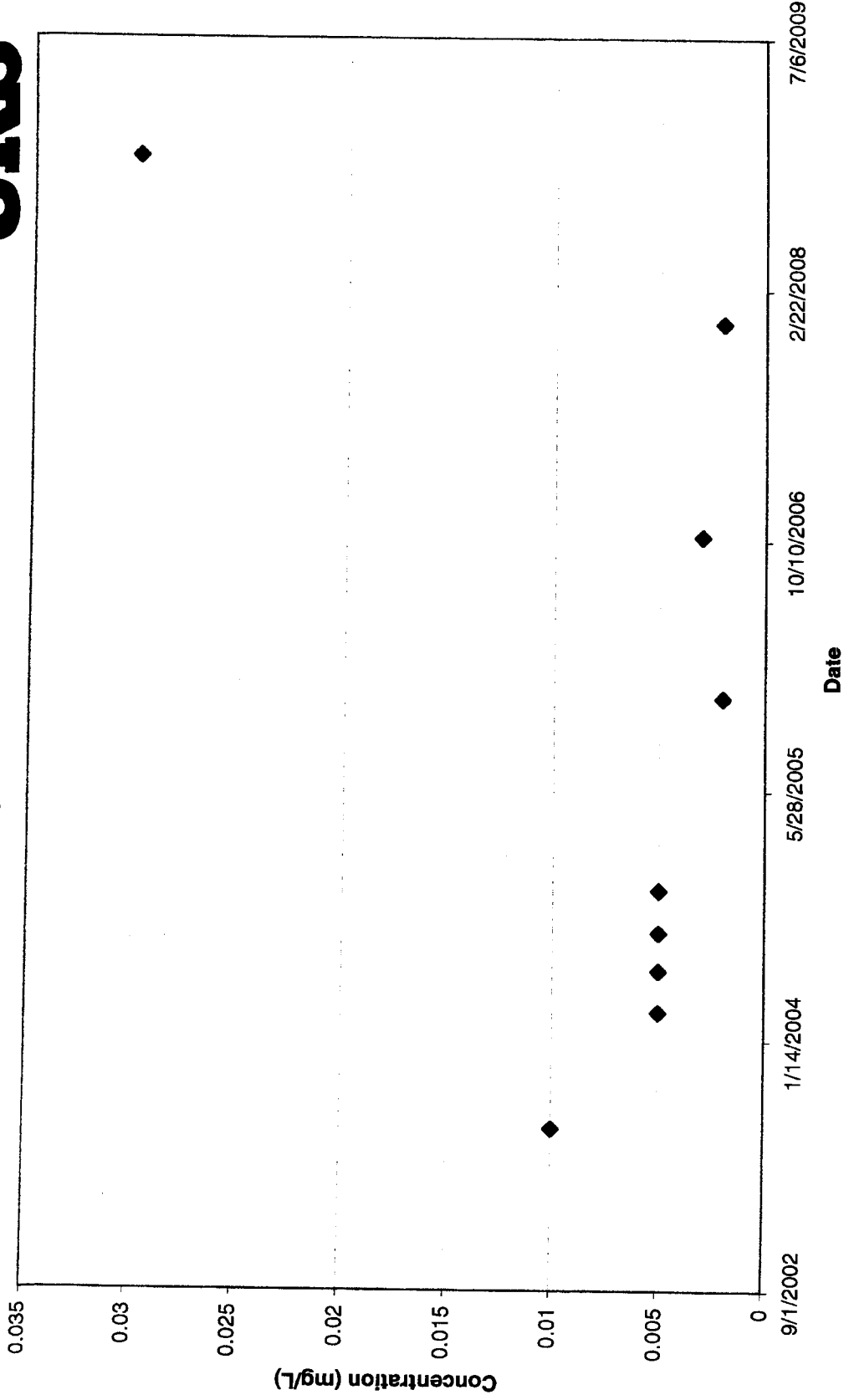


**GM-SMCO Landfill
Chromium in Leachate Samples**



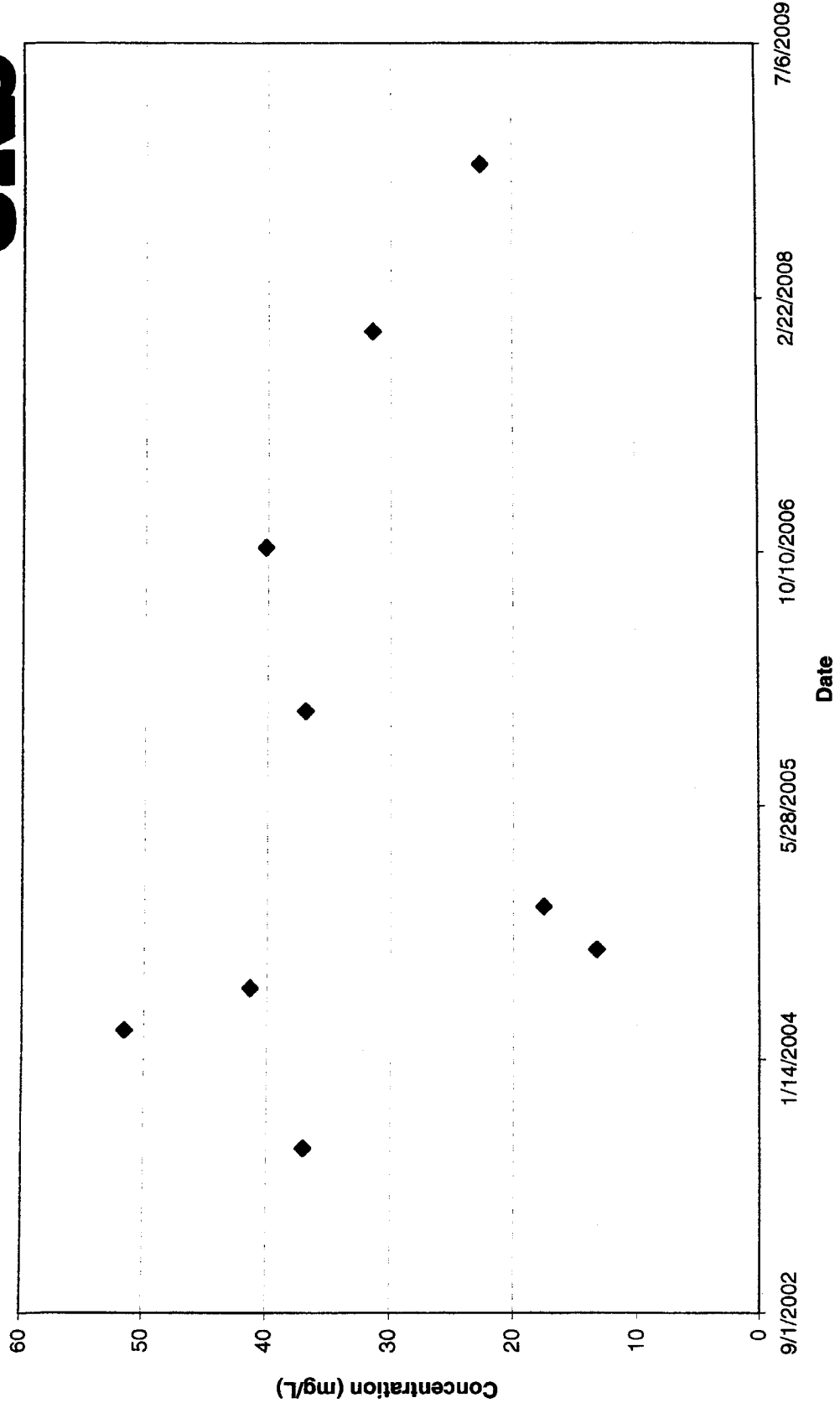


GM-SMCO Landfill
Copper in Landfill Leachate Samples



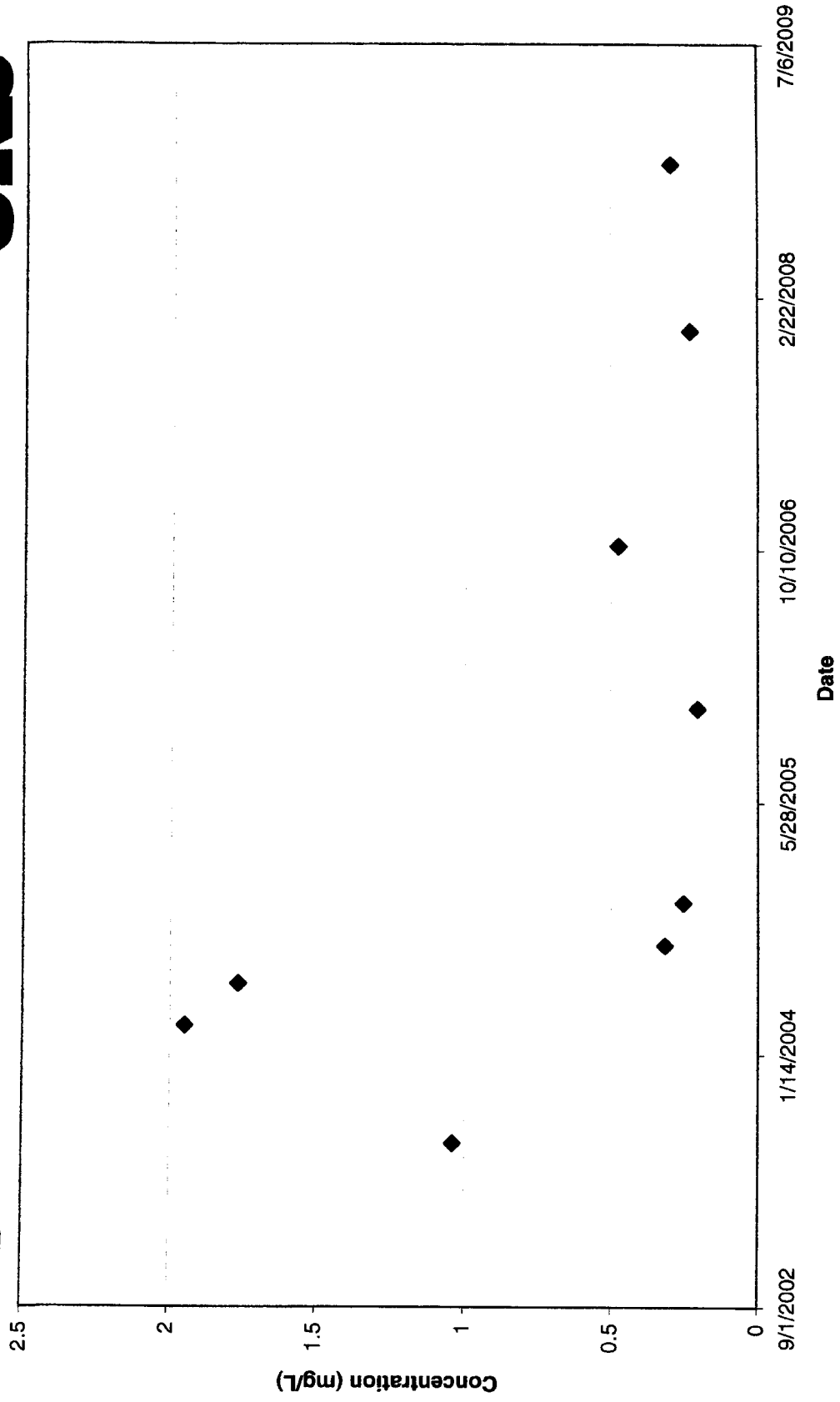


**GM-SMCO Landfill
Magnesium in Leachate Samples**



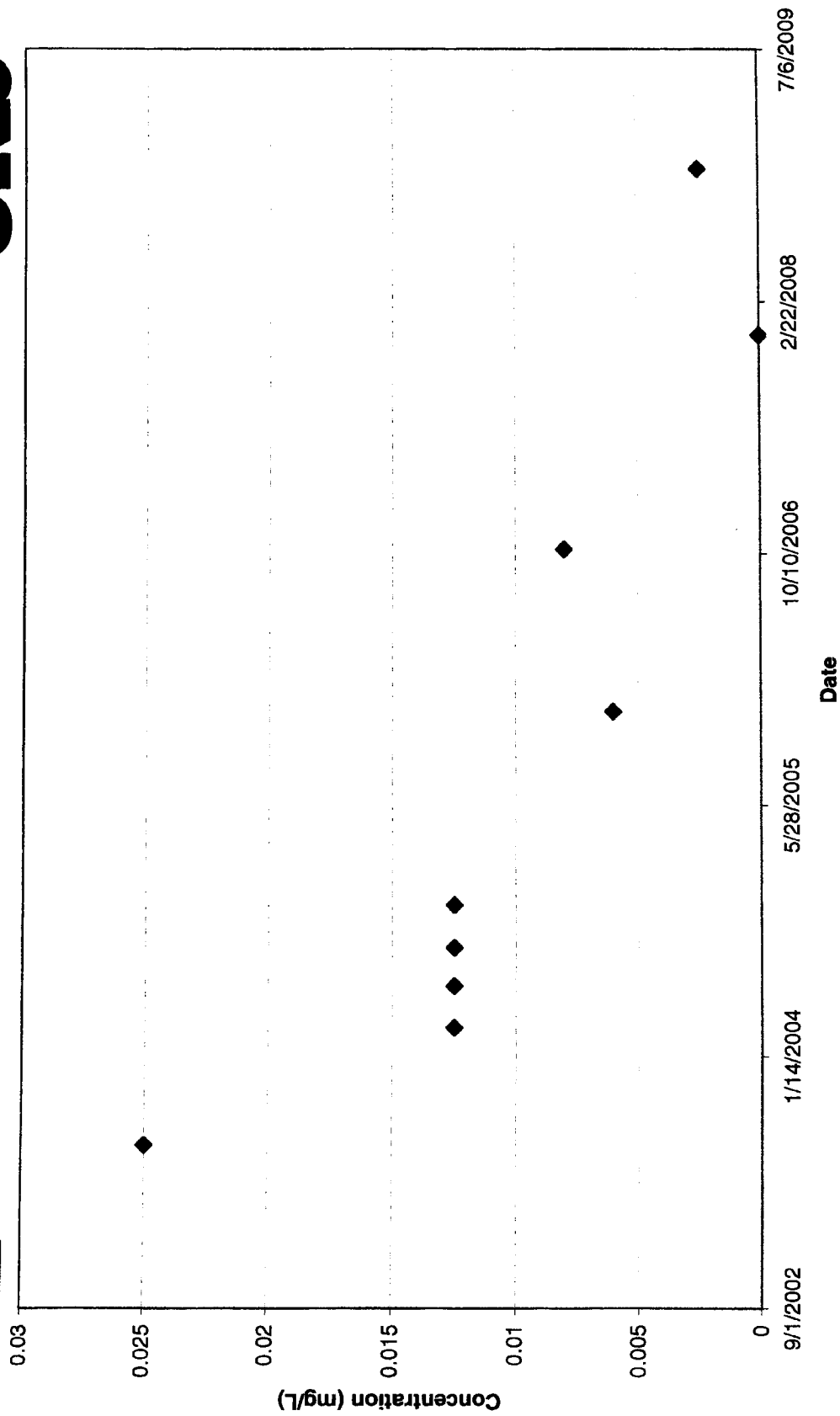


**GM-SMCO Landfill
Manganese in Leachate Samples**



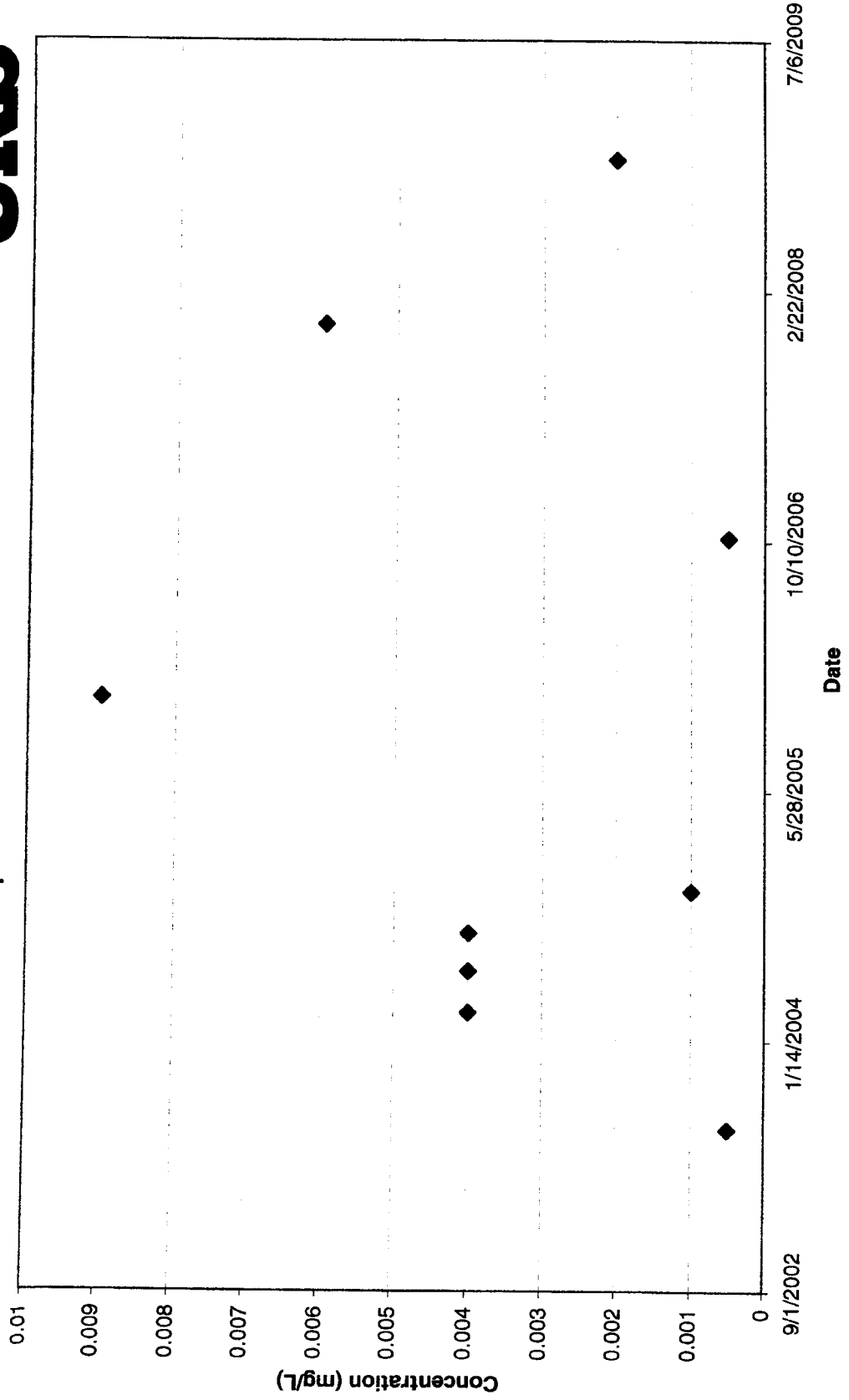


**GM-SMCO Landfill
Nickel in Leachate Samples**



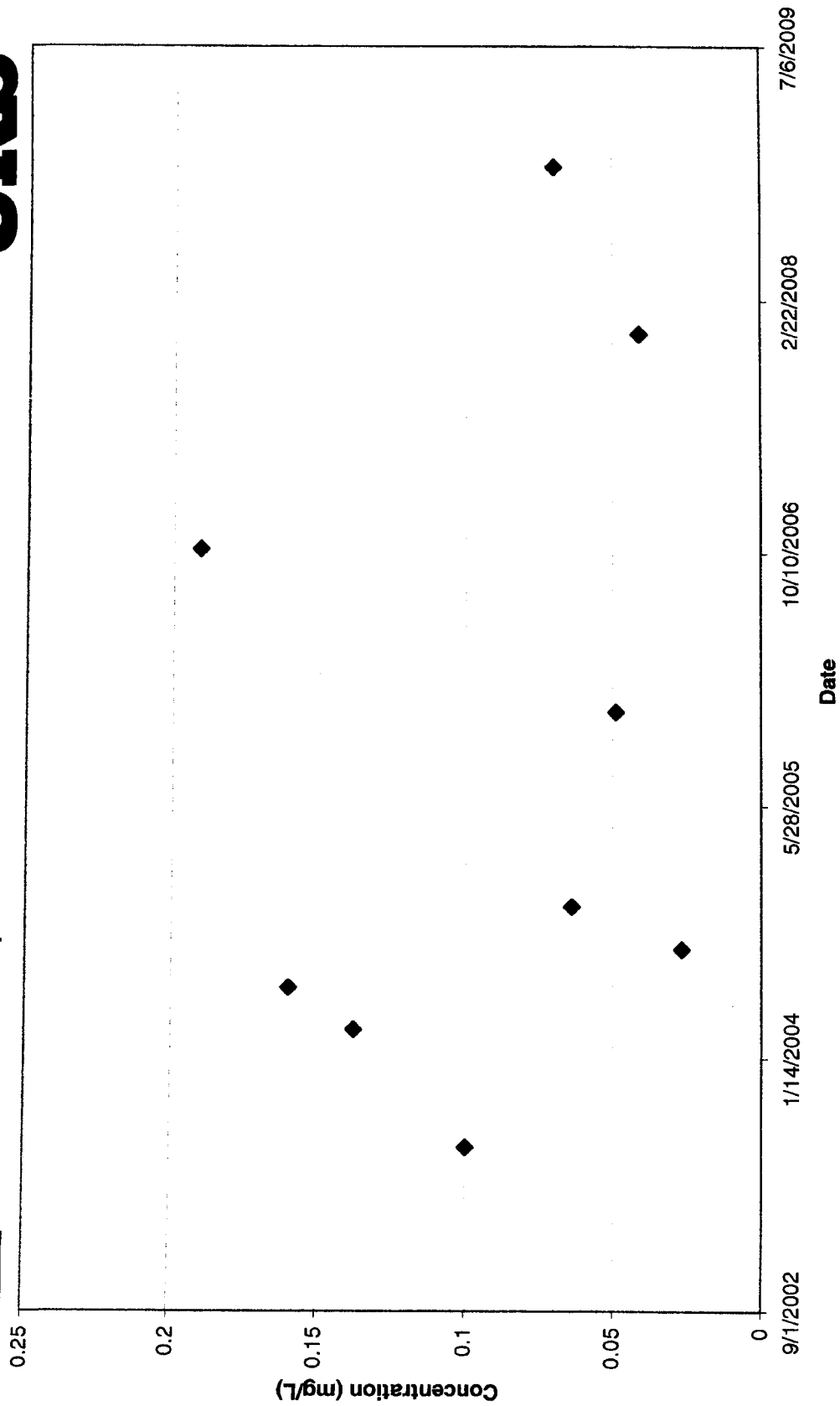


**GM-SMCO Landfill
Selenium in Leachate Samples**





**GM-SMCO Landfill
Zinc in Leachate Samples**



ATTACHMENT C

Tier II Emergency and Hazardous Chemical Inventory

Reporting Period From January 1, 2008 to December 31, 2008

Annual Revision

<p>Facility Identification</p> <p>Internal Code : 3888</p> <p>Name : GM-SAGINAW METAL CASTING OPERATIONS</p> <p>Company Name : GMPT - Saginaw Metal Casting Operations</p> <p>Street : 1629 NORTH WASHINGTON AVE City : SAGINAW</p> <p>County : SAGINAW</p> <p>Fire Department : LEPC Name : SAGINAW COUNTY LEPC</p> <p>State : MI ZIP : 48605-5073</p> <p>Phone : 989-239-8413 Lat/Long : 43.447331-83.921583</p> <p>Fax : Email : lynn.porath@gm.com</p> <p>Mailing Address if different from Facility ID Address</p> <p>Name 1 : GM-SAGINAW METAL CASTING OPERATIONS</p> <p>Name 2 : ATTN: RAY IKKA</p> <p>Street 1 : 1629 N WASHINGTON AVE MAIL CODE: 486-629-011</p> <p>Street 2 :</p> <p>City : SAGINAW State : MI</p> <p>Zip : 48605-5073 Phone :</p> <p>Country : United States</p> <p>NAICS : 331524 Dun & Brad No : 005356613</p> <p>SIC Code : 3385 TRIFID : 48605SGNWG1629N</p> <p>MI SARA ID : 3888</p> <p>Mixture Components are listed in the Appendix.</p>	<p>Owner/Operator Details</p> <p>Name : GENERAL MOTORS CORP.</p> <p>Phone : 313-558-5000</p> <p>Street Address : 300 RENAISSANCE CENTER</p> <p>City : DETROIT</p> <p>State : MI</p> <p>Zip : 48265</p> <p>Country : United States</p> <p>Emergency Contacts</p> <p>Name : Moh Kumar</p> <p>Title : ENV. MANAGER</p> <p>Phone : 248-672-9217 24 Hr. Phone : 989-757-1801</p> <p>Name : LYNN PORATH</p> <p>Title : ENV. ENGINEER</p> <p>Phone : 989-239-8413 24 Hr. Phone : 989-757-1801</p>
<p>Certification: I certify under penalty of law that I have personally examined and am familiar with the information submitted, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.</p> <p><i>Carolyne Watts</i> Plant Manager <u>2-20-09</u> Date</p> <p>Name and official title of owner/operator or authorized representative _____ Signature</p>	
<p>Optional Attachments</p> <p><input checked="" type="checkbox"/> Site Plan</p> <p><input type="checkbox"/> Site Coordinate Abbreviations</p> <p><input type="checkbox"/> Other Safeguard measures</p> <p><input type="checkbox"/> Facility Plan</p>	

Chemical Description		Physical & Health Hazards		Inventory		Storage Codes & Location		
<p>Chemical ID : 607695</p> <p>Check if Chemical Information has changed from the last submission : <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : 389 ISOQURE PART 1 ES (RESIN)</p> <p>EHS : <input type="checkbox"/></p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input checked="" type="checkbox"/></p>	<p>Fire <input checked="" type="checkbox"/></p> <p>Pressure <input type="checkbox"/></p> <p>Reactivity <input type="checkbox"/></p> <p>Immediate <input checked="" type="checkbox"/></p> <p>Delayed (Chronic) <input checked="" type="checkbox"/></p>	<p>14000 Max Daily Amt(lbs) Code 04</p> <p>6400 Ave. Daily Amount (lbs.) Code 03</p> <p>365 No of days in site Code 365</p>	<p>Container Type : O</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : LINE 6 - NORTH CORE ROOM EAST STREET</p>					
<p>Chemical ID : 607725</p> <p>Check if Chemical Information has changed from the last submission : <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : 589 ISOQURE PART 2 F (RESIN)</p> <p>EHS : <input type="checkbox"/></p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p>Fire <input checked="" type="checkbox"/></p> <p>Pressure <input type="checkbox"/></p> <p>Reactivity <input type="checkbox"/></p> <p>Immediate <input checked="" type="checkbox"/></p> <p>Delayed (Chronic) <input checked="" type="checkbox"/></p>	<p>14000 Max Daily Amt(lbs) Code 04</p> <p>6400 Ave. Daily Amount (lbs.) Code 03</p> <p>365 No of days in site Code 365</p>	<p>Container Type : O</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : LINE 6 - CORE ROOM STORAGE EAST STREET</p>					
<p>Chemical ID : 290683</p> <p>Check if Chemical Information has changed from the last submission : <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : ALUMINUM INGOTS / SOWS</p> <p>EHS : <input type="checkbox"/></p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p>Fire <input type="checkbox"/></p> <p>Pressure <input type="checkbox"/></p> <p>Reactivity <input type="checkbox"/></p> <p>Immediate <input checked="" type="checkbox"/></p> <p>Delayed (Chronic) <input checked="" type="checkbox"/></p>	<p>450000 Max Daily Amt(lbs) Code 05</p> <p>200000 Ave. Daily Amount (lbs.) Code 03</p> <p>365 No of days in site Code 365</p>	<p>Container Type : R</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : LINE 6 PS MELTING AREA L850 STORAGE</p>					
<p>Chemical ID : 613431</p> <p>Check if Chemical Information has changed from the last submission : <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : ALUMINUM STRONTIUM BORON MASTER ALLOY</p> <p>EHS : <input type="checkbox"/></p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p>Fire <input type="checkbox"/></p> <p>Pressure <input type="checkbox"/></p> <p>Reactivity <input type="checkbox"/></p> <p>Immediate <input checked="" type="checkbox"/></p> <p>Delayed (Chronic) <input checked="" type="checkbox"/></p>	<p>14000 Max Daily Amt(lbs) Code 04</p> <p>6300 Ave. Daily Amount (lbs.) Code 03</p> <p>365 No of days in site Code 365</p>	<p>Container Type : R</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : LINE 6</p>					

Chemical Description		Physical & Health Hazards	Inventory	Storage Codes & Location		
<p>Chemical ID : 290887</p> <p>Check if Chemical Information has changed from the last submission : <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : ALUMINUM SULFATE</p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p><input type="checkbox"/> Fire</p> <p><input type="checkbox"/> Pressure</p> <p><input type="checkbox"/> Reactivity</p> <p><input type="checkbox"/> Immediate</p> <p><input checked="" type="checkbox"/> Delayed (Chronic)</p>	<p>160000 Max Daily Amt(lbs)</p> <p>05 Max Daily Amount Code</p> <p>54000 Ave. Daily Amount (lbs.)</p> <p>04 Ave. Daily Amount Code</p> <p>365 No of days in site</p>	<p>Container Type : C</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : WASTE WATER TREATMENT PLANT</p>			
<p>Chemical ID : 614342</p> <p>Check if Chemical Information has changed from the last submission : <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : AMBERLITE IRC.748</p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p><input type="checkbox"/> Fire</p> <p><input type="checkbox"/> Pressure</p> <p><input type="checkbox"/> Reactivity</p> <p><input type="checkbox"/> Immediate</p> <p><input checked="" type="checkbox"/> Delayed (Chronic)</p>	<p>75000 Max Daily Amt(lbs)</p> <p>04 Max Daily Amount Code</p> <p>75000 Ave. Daily Amount (lbs.)</p> <p>04 Ave. Daily Amount Code</p> <p>365 No of days in site</p>	<p>Container Type : C</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : WASTE WATER TREATMENT PLANT</p>			
<p>Chemical ID : 290710</p> <p>Check if Chemical Information has changed from the last submission : <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : ARGON</p> <p>EHS Name : <input type="checkbox"/></p> <p><input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p><input type="checkbox"/> Fire</p> <p><input type="checkbox"/> Pressure</p> <p><input type="checkbox"/> Reactivity</p> <p><input type="checkbox"/> Immediate</p> <p><input checked="" type="checkbox"/> Delayed (Chronic)</p>	<p>830000 Max Daily Amt(lbs)</p> <p>05 Max Daily Amount Code</p> <p>560000 Ave. Daily Amount (lbs.)</p> <p>05 Ave. Daily Amount Code</p> <p>365 No of days in site</p>	<p>Container Type : L</p> <p>Pressure : 2</p> <p>Temperature : 7</p> <p>Storage Location : UBQUITOUS</p> <p>Container Type : L</p> <p>Pressure : 2</p> <p>Temperature : 7</p> <p>Storage Location : OUTSIDE LINE 6</p> <p>Container Type : L</p> <p>Pressure : 2</p> <p>Temperature : 7</p> <p>Storage Location : OUTSIDE LOST FOAM</p>			
<p>Chemical ID : 607701</p> <p>Check if Chemical Information has changed from the last submission : <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : AW HYDRAULIC OIL ISO.46 (ANTI-WEAR)</p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p><input checked="" type="checkbox"/> Fire</p> <p><input type="checkbox"/> Pressure</p> <p><input type="checkbox"/> Reactivity</p> <p><input type="checkbox"/> Immediate</p> <p><input checked="" type="checkbox"/> Delayed (Chronic)</p>	<p>35000 Max Daily Amt(lbs)</p> <p>04 Max Daily Amount Code</p> <p>20000 Ave. Daily Amount (lbs.)</p> <p>04 Ave. Daily Amount Code</p> <p>365 No of days in site</p>	<p>Container Type : C</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : OIL BUILDING</p> <p>Container Type : P</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : UBQUITOUS</p> <p>Container Type : O</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : PS MELTING STORAGE AREA</p> <p>Container Type : O</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : LINE 6 MAINTENANCE</p>			

Chemical Description		Physical & Health Hazards	Inventory	Storage Codes & Location			
<p>Chemical ID : 290711</p> <p>Check if Chemical Information has changed from the last submission : <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : BATTERIES (LEAD ACID)</p> <p>EHS : <input type="checkbox"/></p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input checked="" type="checkbox"/></p>	<p><input type="checkbox"/> Fire</p> <p><input type="checkbox"/> Pressure</p> <p><input checked="" type="checkbox"/> Reactivity</p> <p><input checked="" type="checkbox"/> Immediate</p> <p><input checked="" type="checkbox"/> Delayed (Chronic)</p>	<p>350000 Max Daily Amt (lbs)</p> <p>05 Max Daily Amount Code</p> <p>350000 Ave. Daily Amount (lbs.)</p> <p>05 Ave. Daily Amount Code</p> <p>365 No of days in site</p>	<p>Container Type : R</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : UBQUITOUS BATTERY CHARGE ROOM</p>				
<p>Chemical ID : 607705</p> <p>Check if Chemical Information has changed from the last submission : <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : CARBO-ACULCAST ID40 (PROPANT - MOLDING MEDIA)</p> <p>EHS : <input type="checkbox"/></p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p><input type="checkbox"/> Fire</p> <p><input type="checkbox"/> Pressure</p> <p><input checked="" type="checkbox"/> Reactivity</p> <p><input checked="" type="checkbox"/> Immediate</p> <p><input checked="" type="checkbox"/> Delayed (Chronic)</p>	<p>150000 Max Daily Amt (lbs)</p> <p>05 Max Daily Amount Code</p> <p>66000 Ave. Daily Amount (lbs.)</p> <p>04 Ave. Daily Amount Code</p> <p>365 No of days in site</p>	<p>Container Type : H</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : L850</p>				
<p>Chemical ID : 614340</p> <p>Check if Chemical Information has changed from the last submission : <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : CARBON DIOXIDE (DRY ICE)</p> <p>EHS : <input type="checkbox"/></p> <p>EHS Name : <input type="checkbox"/></p> <p><input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p><input type="checkbox"/> Fire</p> <p><input type="checkbox"/> Pressure</p> <p><input checked="" type="checkbox"/> Reactivity</p> <p><input checked="" type="checkbox"/> Immediate</p> <p><input checked="" type="checkbox"/> Delayed (Chronic)</p>	<p>10000 Max Daily Amt (lbs)</p> <p>04 Max Daily Amount Code</p> <p>5000 Ave. Daily Amount (lbs.)</p> <p>03 Ave. Daily Amount Code</p> <p>365 No of days in site</p>	<p>Container Type : O</p> <p>Pressure : 1</p> <p>Temperature : 7</p> <p>Storage Location : PRECISION SAND NORTH STREET SUPERMARKET</p>				
<p>Chemical ID : 290699</p> <p>Check if Chemical Information has changed from the last submission : <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : CERAMCOTE EP9 (BLOCK AND HEAD COATINGS)</p> <p>EHS : <input type="checkbox"/></p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p><input type="checkbox"/> Fire</p> <p><input type="checkbox"/> Pressure</p> <p><input checked="" type="checkbox"/> Reactivity</p> <p><input checked="" type="checkbox"/> Immediate</p> <p><input checked="" type="checkbox"/> Delayed (Chronic)</p>	<p>61000 Max Daily Amt (lbs)</p> <p>04 Max Daily Amount Code</p> <p>27000 Ave. Daily Amount (lbs.)</p> <p>04 Ave. Daily Amount Code</p> <p>365 No of days in site</p>	<p>Container Type : O</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : LOST FOAM (TOTES)</p> <p>Container Type : C</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : LOST FOAM (BULK TANKS)</p>				

Chemical Description		Physical & Health Hazards	Inventory	Storage Codes & Location			
Chemical ID : 290717 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : DE-ICING ROAD SALT EHS Name : <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas Contains EHS : <input type="checkbox"/>		<input type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	400000 Max Daily Amt(lbs) 05 Max Daily Amount Code 200000 Ave. Daily Amount (lbs.) 05 Ave. Daily Amount Code 365 No of days in site	Container Type : R Pressure : 1 Temperature : 4 Storage Location : PILE IN YARD Container Type : D Pressure : 1 Temperature : 4 Storage Location : BESIDE FACILITY GATE BY SECURITY			
Chemical ID : 290702 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : DICALITE/PERLITE (FINE SILICA) EHS Name : <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas Contains EHS : <input type="checkbox"/>		<input type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	73000 Max Daily Amt(lbs) 04 Max Daily Amount Code 27000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 365 No of days in site	Container Type : H Pressure : 1 Temperature : 4 Storage Location : OUTSIDE WWTP			
Chemical ID : 290693 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : DIESEL #2 LUNOCAL EHS Name : <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas Contains EHS : <input type="checkbox"/>		<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	23000 Max Daily Amt(lbs) 04 Max Daily Amount Code 20000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 365 No of days in site	Container Type : A Pressure : 1 Temperature : 4 Storage Location : NO. 4 PUMPHOUSE Container Type : A Pressure : 1 Temperature : 4 Storage Location : COOLING TOWER Container Type : C Pressure : 1 Temperature : 4 Storage Location : INSIDE - COOLING TOWER Container Type : A Pressure : 1 Temperature : 4 Storage Location : WASTE WATER TREATMENT PLANT			
Chemical ID : 290704 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : EPS EXPANDABLE POLYSTYRENE (BEADS) EHS Name : <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas Contains EHS : <input type="checkbox"/>		<input type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	47000 Max Daily Amt(lbs) 04 Max Daily Amount Code 21000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 365 No of days in site	Container Type : J Pressure : 1 Temperature : 4 Storage Location : LOST FOAM AREA Container Type : J Pressure : 1 Temperature : 4 Storage Location : NORTH STREET SUPERMARKET Container Type : R Pressure : 1 Temperature : 4 Storage Location : LARGE BAGS IN BEAD ROOMS			

Chemical Description		Physical & Health Hazards		Inventory		Storage Codes & Location			
Chemical ID : 613436 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : EYRQUEL 220 (HYDRAULIC OIL) EHS : <input type="checkbox"/> EHS Name : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas Contains EHS : <input type="checkbox"/>	<input type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	11000 04 Code 4900 Ave. Daily Amount (lbs.) 03 Ave. Daily Amount Code 365 No of days in site	Container Type : C Pressure : 1 Temperature : 4 Storage Location : OIL BUILDING Container Type : R Pressure : 1 Temperature : 4 Storage Location : PLANTWIDE						
Chemical ID : 290692 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : GASOLINE 76 UNLEADED REG EHS : <input type="checkbox"/> EHS Name : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas Contains EHS : <input type="checkbox"/>	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	62000 04 Code 40000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 365 No of days in site	Container Type : B Pressure : 1 Temperature : 4 Storage Location : GARAGE						
Chemical ID : 613438 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : GM 6733 CORE CLEANER (TOOL CLEANER CONCENTRATE) EHS : <input type="checkbox"/> EHS Name : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas Contains EHS : <input type="checkbox"/>	<input type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	53000 04 Code 24000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 60 No of days in site	Container Type : O Pressure : 1 Temperature : 4 Storage Location : TOOL CLEANING ROOM						
Chemical ID : 613435 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : GM 8020 (METAL CLEANER) EHS : <input type="checkbox"/> EHS Name : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas Contains EHS : <input type="checkbox"/>	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	10000 04 Code 5300 Ave. Daily Amount (lbs.) 03 Ave. Daily Amount Code 365 No of days in site	Container Type : O Pressure : 1 Temperature : 4 Storage Location : RECEIVING AREA Container Type : O Pressure : 1 Temperature : 4 Storage Location : LINE 6						

Chemical Description		Physical & Health Hazards	Inventory	Storage Codes & Location			
Chemical ID : 290696 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : GMS2GIADDITROL (BONDING CLAY) EHS : <input type="checkbox"/> EHS Name : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas Contains EHS : <input type="checkbox"/>	<input type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	440000 Max Daily Amt (lbs) 05 Max Daily Amount Code 190000 Ave. Daily Amount (lbs.) 05 Ave. Daily Amount Code 365 No of days in site	Container Type : R Pressure : 1 Temperature : 4 Storage Location : MELTING AREA				
Chemical ID : 607712 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : 986350 Trade Secret : <input type="checkbox"/> Chemical Name : ISOFAST CATALYST 705 - DIMETHYLISOPROPYLAMINE (DMIPA) EHS : <input type="checkbox"/> EHS Name : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas Contains EHS : <input type="checkbox"/>	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	13000 Max Daily Amt (lbs) 04 Max Daily Amount Code 5600 Ave. Daily Amount (lbs.) 03 Ave. Daily Amount Code 365 No of days in site	Container Type : L Pressure : 2 Temperature : 4 Storage Location : LINE 6 - TEA ROOM				
Chemical ID : 290682 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : LAKE SANDS (NUGENT) EHS : <input type="checkbox"/> EHS Name : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas Contains EHS : <input type="checkbox"/>	<input type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	1800000 Max Daily Amt (lbs) 06 Max Daily Amount Code 890000 Ave. Daily Amount (lbs.) 05 Ave. Daily Amount Code 365 No of days in site	Container Type : H Pressure : 1 Temperature : 4 Storage Location : PRECISION SAND LINE 6 Container Type : H Pressure : 1 Temperature : 4 Storage Location : LINE 6				
Chemical ID : 290698 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : LT 2988 (TOOL CLEANER) EHS : <input type="checkbox"/> EHS Name : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas Contains EHS : <input type="checkbox"/>	<input type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	40000 Max Daily Amt (lbs) 04 Max Daily Amount Code 13000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 365 No of days in site	Container Type : C Pressure : 1 Temperature : 4 Storage Location : TOOL CLEANING ROOM Container Type : C Pressure : 1 Temperature : 4 Storage Location : OIL BUILDING Container Type : O Pressure : 1 Temperature : 4 Storage Location : OIL BUILDING				

Chemical Description		Physical & Health Hazards	Inventory	Storage Codes & Location			
<p>Chemical ID : 607714</p> <p>Check if Chemical information has changed from the last submission <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : LI PARTING SPRAY (RELEASE AGENT)</p> <p>EHS : <input type="checkbox"/></p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p><input type="checkbox"/> Fire</p> <p><input type="checkbox"/> Pressure</p> <p><input type="checkbox"/> Reactivity</p> <p><input checked="" type="checkbox"/> Immediate</p> <p><input checked="" type="checkbox"/> Delayed (Chronic)</p>	<p>10000 Max Daily Amt(lbs)</p> <p>04 Max Daily Amount Code</p> <p>6000 Ave. Daily Amount (lbs.)</p> <p>03 Ave. Daily Amount Code</p> <p>365 No of days in site</p>	<p>Container Type : O</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : LINE 6 RECEIVING AREA</p>				
<p>Chemical ID : 290694</p> <p>Check if Chemical information has changed from the last submission <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : MARATHON NO.6 FUEL OIL</p> <p>EHS : <input type="checkbox"/></p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p><input checked="" type="checkbox"/> Fire</p> <p><input type="checkbox"/> Pressure</p> <p><input type="checkbox"/> Reactivity</p> <p><input checked="" type="checkbox"/> Immediate</p> <p><input checked="" type="checkbox"/> Delayed (Chronic)</p>	<p>380000 Max Daily Amt(lbs)</p> <p>05 Max Daily Amount Code</p> <p>380000 Ave. Daily Amount (lbs.)</p> <p>05 Ave. Daily Amount Code</p> <p>240 No of days in site</p>	<p>Container Type : A</p> <p>Pressure : 1</p> <p>Temperature : 4</p> <p>Storage Location : POWERHOUSE</p>				
<p>Chemical ID : 290700</p> <p>Check if Chemical information has changed from the last submission <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : MOLIEN ALUMINUM</p> <p>EHS : <input type="checkbox"/></p> <p>EHS Name : <input type="checkbox"/></p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p><input checked="" type="checkbox"/> Fire</p> <p><input type="checkbox"/> Pressure</p> <p><input type="checkbox"/> Reactivity</p> <p><input checked="" type="checkbox"/> Immediate</p> <p><input checked="" type="checkbox"/> Delayed (Chronic)</p>	<p>3500000 Max Daily Amt(lbs)</p> <p>06 Max Daily Amount Code</p> <p>800000 Ave. Daily Amount (lbs.)</p> <p>05 Ave. Daily Amount Code</p> <p>365 No of days in site</p>	<p>Container Type : R</p> <p>Pressure : 1</p> <p>Temperature : 5</p> <p>Storage Location : ALUMINUM MELTING (FURNACE)</p>				
<p>Chemical ID : 290685</p> <p>Check if Chemical information has changed from the last submission <input type="checkbox"/></p> <p>CAS : N/A</p> <p>Trade Secret : <input type="checkbox"/></p> <p>Chemical Name : NITROGEN</p> <p>EHS : <input type="checkbox"/></p> <p>EHS Name : <input type="checkbox"/></p> <p><input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Gas</p> <p>Contains EHS : <input type="checkbox"/></p>	<p><input type="checkbox"/> Fire</p> <p><input type="checkbox"/> Pressure</p> <p><input type="checkbox"/> Reactivity</p> <p><input checked="" type="checkbox"/> Immediate</p> <p><input checked="" type="checkbox"/> Delayed (Chronic)</p>	<p>78000 Max Daily Amt(lbs)</p> <p>04 Max Daily Amount Code</p> <p>39000 Ave. Daily Amount (lbs.)</p> <p>04 Ave. Daily Amount Code</p> <p>365 No of days in site</p>	<p>Container Type : A</p> <p>Pressure : 2</p> <p>Temperature : 7</p> <p>Storage Location : ADVANCED DEVELOPMENT LAB</p> <p>Container Type : L</p> <p>Pressure : 2</p> <p>Temperature : 7</p> <p>Storage Location : SOUTH CORE ROOM</p> <p>Container Type : A</p> <p>Pressure : 2</p> <p>Temperature : 7</p> <p>Storage Location : OUTSIDE RECEIVING AREA</p>				

Chemical Description		Physical & Health Hazards		Inventory		Storage Codes & Location			
Chemical ID : 607716 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : NORIT GAC 840 R (ACTIVATED CARBON) EHS Name : EHS Name : <input type="checkbox"/> Contains EHS : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas		Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic) <input checked="" type="checkbox"/>		40000 Max Daily Amt(lbs) 04 Max Daily Amount Code 40000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 365 No of days in site		Container Type : C Pressure : 1 Temperature : 4 Storage Location : WATER TREATMENT PLANT			
Chemical ID : 290716 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : OCI-230 PATTERN SPRAY (MOLD RELEASE) EHS Name : EHS Name : <input type="checkbox"/> Contains EHS : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas		Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic) <input checked="" type="checkbox"/>		11000 Max Daily Amt(lbs) 04 Max Daily Amount Code 6600 Ave. Daily Amount (lbs.) 03 Ave. Daily Amount Code 365 No of days in site		Container Type : O Pressure : 1 Temperature : 4 Storage Location : OIL BUILDING LINE 6 MOLD LINE			
Chemical ID : 290686 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : OXYGEN EHS Name : EHS Name : <input type="checkbox"/> Contains EHS : <input type="checkbox"/> <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas		Fire <input checked="" type="checkbox"/> Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic) <input type="checkbox"/>		120000 Max Daily Amt(lbs) 05 Max Daily Amount Code 98000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 180 No of days in site		Container Type : A Pressure : 2 Temperature : 7 Storage Location : OXYGEN STORAGE TANK AREA			
Chemical ID : 290709 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : QUINJOLUBRIC 888-68 (HYDRAULIC OIL) EHS Name : EHS Name : <input type="checkbox"/> Contains EHS : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas		Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic) <input checked="" type="checkbox"/>		15000 Max Daily Amt(lbs) 04 Max Daily Amount Code 10000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 365 No of days in site		Container Type : O Pressure : 1 Temperature : 4 Storage Location : LOST FOAM			
						Container Type : R Pressure : 1 Temperature : 4 Storage Location : LOST FOAM MOLD MACHINES			
						Container Type : D Pressure : 1 Temperature : 4 Storage Location : PS BASEMENT			

Chemical Description		Physical & Health Hazards	Inventory	Storage Codes & Location															
Chemical ID : 290721 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : SIGMA CURE 7211 (RESIN) EHS : Contains EHS : <input checked="" type="checkbox"/> EHS Name : <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	22000 Max Daily Amt(lbs) 04 Max Daily Amount Code 9600 Ave. Daily Amount (lbs.) 03 Ave. Daily Amount Code 365 No of days in site	<table border="1"> <tr> <th>Container Type</th> <th>Pressure</th> <th>Temperature</th> <th>Storage Location</th> </tr> <tr> <td>O</td> <td>1</td> <td>4</td> <td>P. SAND STORAGE AREA</td> </tr> <tr> <td>O</td> <td>1</td> <td>4</td> <td>EAST STREET</td> </tr> </table>	Container Type	Pressure	Temperature	Storage Location	O	1	4	P. SAND STORAGE AREA	O	1	4	EAST STREET				
Container Type	Pressure	Temperature	Storage Location																
O	1	4	P. SAND STORAGE AREA																
O	1	4	EAST STREET																
Chemical ID : 607726 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : SIGMA CURE 7706 (RESIN) EHS : Contains EHS : <input type="checkbox"/> EHS Name : <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	18000 Max Daily Amt(lbs) 04 Max Daily Amount Code 8000 Ave. Daily Amount (lbs.) 03 Ave. Daily Amount Code 365 No of days in site	<table border="1"> <tr> <th>Container Type</th> <th>Pressure</th> <th>Temperature</th> <th>Storage Location</th> </tr> <tr> <td>O</td> <td>1</td> <td>4</td> <td>EAST STREET</td> </tr> <tr> <td>O</td> <td>1</td> <td>4</td> <td>PRECISION SAND STORAGE</td> </tr> </table>	Container Type	Pressure	Temperature	Storage Location	O	1	4	EAST STREET	O	1	4	PRECISION SAND STORAGE				
Container Type	Pressure	Temperature	Storage Location																
O	1	4	EAST STREET																
O	1	4	PRECISION SAND STORAGE																
Chemical ID : 290688 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : SODIUM CHLORIDE & BRINE EHS : Contains EHS : <input type="checkbox"/> EHS Name : <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	120000 Max Daily Amt(lbs) 05 Max Daily Amount Code 73000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 365 No of days in site	<table border="1"> <tr> <th>Container Type</th> <th>Pressure</th> <th>Temperature</th> <th>Storage Location</th> </tr> <tr> <td>A</td> <td>1</td> <td>4</td> <td>LOST FOAM YARD</td> </tr> <tr> <td>A</td> <td>1</td> <td>4</td> <td>POWERHOUSE (OUTSIDE)</td> </tr> <tr> <td>C</td> <td>1</td> <td>4</td> <td>WASTE WATER TREATMENT PLANT</td> </tr> </table>	Container Type	Pressure	Temperature	Storage Location	A	1	4	LOST FOAM YARD	A	1	4	POWERHOUSE (OUTSIDE)	C	1	4	WASTE WATER TREATMENT PLANT
Container Type	Pressure	Temperature	Storage Location																
A	1	4	LOST FOAM YARD																
A	1	4	POWERHOUSE (OUTSIDE)																
C	1	4	WASTE WATER TREATMENT PLANT																
Chemical ID : 290712 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : SODIUM HYDROXIDE 50% (CAUSTIC SODA) EHS : Contains EHS : <input type="checkbox"/> EHS Name : <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Fire <input type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic)	55000 Max Daily Amt(lbs) 04 Max Daily Amount Code 30000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 365 No of days in site	<table border="1"> <tr> <th>Container Type</th> <th>Pressure</th> <th>Temperature</th> <th>Storage Location</th> </tr> <tr> <td>C</td> <td>1</td> <td>4</td> <td>WASTE WATER TREATMENT PLANT</td> </tr> </table>	Container Type	Pressure	Temperature	Storage Location	C	1	4	WASTE WATER TREATMENT PLANT								
Container Type	Pressure	Temperature	Storage Location																
C	1	4	WASTE WATER TREATMENT PLANT																

Chemical Description		Physical & Health Hazards	Inventory	Storage Codes & Location			
Chemical ID : 290697 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : SODIUM HYPOCHLORITE (BLEACH) EHS Name : <input type="checkbox"/> Contains EHS : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas		Fire <input type="checkbox"/> Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic) <input checked="" type="checkbox"/>	25000 Max Daily Amt(lbs) 04 Max Daily Amount Code 14000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 365 No of days in site	Container Type : C Pressure : 1 Temperature : 4 Storage Location : COOLING TOWERS Container Type : O Pressure : 1 Temperature : 4 Storage Location : POWERHOUSE Container Type : N Pressure : 1 Temperature : 4 Storage Location : LOST FOAM Container Type : C Pressure : 1 Temperature : 4 Storage Location : WASTE WATER TREATMENT PLANT			
Chemical ID : 607717 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : STYROSHIELD.5552M (HEAD COATING) EHS Name : <input type="checkbox"/> Contains EHS : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas		Fire <input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic) <input checked="" type="checkbox"/>	76000 Max Daily Amt(lbs) 04 Max Daily Amount Code 34000 Ave. Daily Amount (lbs.) 04 Ave. Daily Amount Code 365 No of days in site	Container Type : C Pressure : 1 Temperature : 4 Storage Location : LOST FOAM Container Type : E Pressure : 1 Temperature : 4 Storage Location : AISLE TO L850			
Chemical ID : 290691 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : 7664939 Trade Secret : <input type="checkbox"/> Chemical Name : SULFURIC ACID 50% & 90% EHS Name : <input checked="" type="checkbox"/> Contains EHS : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas		Fire <input type="checkbox"/> Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic) <input checked="" type="checkbox"/>	20000 Max Daily Amt(lbs) 04 Max Daily Amount Code 6300 Ave. Daily Amount (lbs.) 03 Ave. Daily Amount Code 365 No of days in site	Container Type : N Pressure : 1 Temperature : 4 Storage Location : NORTH CORE ROOM Container Type : N Pressure : 1 Temperature : 4 Storage Location : STOCK ROOM Container Type : N Pressure : 1 Temperature : 4 Storage Location : SOUTH CORE ROOM Container Type : A Pressure : 1 Temperature : 4 Storage Location : COOLING TOWER Container Type : A Pressure : 1 Temperature : 4 Storage Location : POWERHOUSE Container Type : D Pressure : 1 Temperature : 4 Storage Location : COOLING TOWER			
Chemical ID : 290701 Check if Chemical Information has changed from the last submission : <input type="checkbox"/> CAS : N/A Trade Secret : <input type="checkbox"/> Chemical Name : WEDRON SAND EHS Name : <input type="checkbox"/> Contains EHS : <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas		Fire <input type="checkbox"/> Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate <input checked="" type="checkbox"/> Delayed (Chronic) <input checked="" type="checkbox"/>	750000 Max Daily Amt(lbs) 05 Max Daily Amount Code 670000 Ave. Daily Amount (lbs.) 05 Ave. Daily Amount Code 365 No of days in site	Container Type : H Pressure : 1 Temperature : 4 Storage Location : LOST FOAM			

Tier II Emergency and Hazardous Chemical Inventory Appendix
MIXTURE COMPONENT FORM

Name of Substance: 389 ISOCURE PART 1 FS CAS: N/A

Chemical ID: 607695

Chemical Name	%	CAS #	EHS	EHS Name
PHENOL	3.24	108-95-2	<input checked="" type="checkbox"/>	PHENOL

Name of Substance: BATTERIES (LEAD ACID) CAS: N/A

Chemical ID: 290711

Chemical Name	%	CAS #	EHS	EHS Name
SULFURIC ACID	11.00	7664-93-9	<input checked="" type="checkbox"/>	SULFURIC ACID
LEAD	66.00	7439-92-1	<input type="checkbox"/>	

Name of Substance: SIGMA CURE 7211 (RESIN) CAS: N/A

Chemical ID: 290721

Chemical Name	%	CAS #	EHS	EHS Name
PHENOL	4.23	108-95-2	<input checked="" type="checkbox"/>	PHENOL

Notes	
Notes entered by Company/Facility User	Due to production slow-downs, some areas within the facility are idle (and empty). There was an extended holiday shut-down period through the end of December 2008. Production slowing or stopping in areas within the plant will continue through much of 2009.

