



Worldwide Facilities Group
Environmental Services
Remediation Team

James F. Hartnett
Program Manager

July 10, 2009

New York/Caribbean Superfund Branch
Emergency and Remedial Response Division
U.S. Environmental Protection Agency - Region II
290 Broadway, 19th Floor
New York, New York 10007-1866

Attention: GM/Massena Superfund Site Project Manager

Re: General Motors-Massena Superfund Site, Massena, New York
EPA Orders Index No. II CERCLA-20207 and 20215
-- Monthly Progress Report No. 206 for June 2009

Dear Ms. Anne Kelly:

Enclosed please find two copies of the Monthly Progress Report relating to the activities performed during the month of June 2009, in conformance with the Unilateral Administrative Orders for both operable units of the General Motors Massena Superfund Site.

Should you or your staff have any questions regarding the contents of the Progress Report, please contact me at (315) 463-2391.

Sincerely,

James F. Hartnett
Remediation Program Manager

Monthly Progress Report No. 206 – June 2009
General Motors Massena Superfund Site - Operable Units 1 & 2
USEPA Unilateral Administrative Orders Nos. II CERCLA - 20207 & 20215

I. Compliance Activities Completed for the Period (June 1 through June 30, 2009)

Site Wide

On June 9, 2009 GM submitted notification to USEPA that on Monday, June 1, 2009, General Motors Corporation filed for bankruptcy under Chapter 11 of the United States Bankruptcy Code (*In re: General Motors Corporation*, Case No. 09-50026 (REG), Banker. S.D. New York).

GM met with USEPA on June 11, 2009 in New York City to discuss the remediation program status.

On June 25, 2009 GM submitted a response letter to USEPA acknowledging receipt of USEPA's letter dated May 5, 2009 demand for response costs, receipt of additional backup materials on June 22, 2009, an extension of time to respond until June 26, 2009, and an adjustment to the interest accrual date to June 26, 2009. GM provided a formal response to the USEPA demand letter in the June 25, 2009 response letter.

East Disposal Area

On August 15, 2008, GM submitted the *Soil Investigation Work Plan – East Disposal Area Infield* to USEPA. The proposed sampling provides for the collection and analysis of soil samples for PCBs from an area designated as the East Disposal Area Infield. This Work Plan is designed to delineate the horizontal and vertical extents of PCBs exceeding the 10 and 500 mg/kg PCB site cleanup goals for this area. On November 23, 2008, GM received draft comments from USEPA and continued discussions with USEPA on the scope of work of the EDA investigation. On December 29, 2008, USEPA gave verbal approval of the work plan provided that the draft USEPA comments on the work plan would be incorporated into the work plan.

GM is anticipating USEPA approval of the work plan soon. Upon receipt of written approval from EPA, GM will finalize the work plan and schedule performance of the field work.

Groundwater Controls

On May 14, 2009 GM received final comments from USEPA on the *Interim Groundwater Characterization Sampling and Analysis Report* (CDM, 2007). This report provides the validated analytical results from the November 2006 and May 2007 groundwater sampling events. On June 10, 2009, GM submitted the revised *Interim Groundwater Characterization Sampling and Analysis Report* to USEPA along with responses to EPA's May 14, 2009 comments.

On June 24, 2009, GM collected quarterly groundwater samples from the sump northeast of the Industrial Landfill. Analytical results for the water samples are pending.

On September 25, 2006, GM submitted the draft *Quality Assurance Project Plan (QAPP)* to USEPA for approval. GM is awaiting approval from USEPA of this plan.

Monthly Progress Report No. 206 – June 2009
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Mohawk Uplands Soils

The *Mohawk Upland Area Remedial Action Completion Report* was submitted to USEPA on February 6, 2008. GM is awaiting approval from USEPA of the completion report.

Access to the one remaining property of concern on the St. Regis Mohawk Tribal Reservation (the north parcel) continues to be restricted by the property owner.

Cove Project

On June 24, 2009, GM collected a semiannual water sample from the Turtle Creek Holding pond on the SRMT property. Analytical results for the water samples are pending.

On April 24, 2006, GM submitted the revised draft *Cove Remedial Action Completion Report* to USEPA for approval. GM is still awaiting USEPA's approval of this report.

Maintenance Activities

On June 24, 2009, GM collected a quarterly sump water samples from the underdrain beneath GM Process Water Lagoon #2 (former 350,000 gallon lagoon). Analytical results for the water samples are pending.

Outfall 004 (north of the Industrial Landfill) was sampled on June 30, 2009. Outfall 002 (at the Raquette River) was not sampled during the month due to insufficient rainfall. The analytical results for Outfall 004 are pending.

Also during the month of June, a total of approximately 11,205 gallons of water (approximately 4,285 gallons from the sump northeast of the Industrial Landfill and 6,920 gallons from the containment cell areas) were transferred to GM's WWTS for treatment.

II. Analytical Data

Analytical results received during the month of June for the GM Massena Superfund Site are pending and will be provided in next month's report.

III. Project Tasks Scheduled for the Coming Month (July 2009)

GM anticipates receiving final approval from USEPA on the *Soil Investigation Work Plan – East Disposal Area Infield*. Upon receipt of the USEPA approval letter, GM anticipates finalizing the work plan and scheduling the field work. GM also anticipates receiving approval from USEPA on the Quality Assurance Project Plan, and the GM Site Inspection, Monitoring, and Maintenance Plan, the Cove Remedial Action Completion Report, and the Mohawk Upland Area Remedial Action Completion Report.

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GM anticipates providing analytical results of additional media samples (concrete cores, paint chip and wipe samples) within the facility from February 24, 2009 to March 5, 2009 and from April 21 to April 23, 2009 in July, 2009.

IV. Project Status, Delays and Recovery Plans

In order to provide better visibility of submittals under review, the following table summarizes submittals made during the month, submittals responded to during the month, and submittals, which continue to be under review.

<u>Submitted to EPA / NYSDEC</u>	<u>Date</u>
Bankruptcy Notification Letter	June 6, 2009
Revised Interim Groundwater Characterization Sampling And Analysis Report	June 10, 2009
Response to USEPA Cost recovery demand letter dated 5/5/09	June 25, 2009
 <u>Previously Submitted to EPA - Pending Comment or Approval</u>	
Industrial Landfill Final Design Report, Vols. I & II	Apr 27, 2001
Draft Cove Remedial Action Completion Report	Apr 24, 2006
Draft Quality Assurance Project Plan	Sept 25, 2006
Draft GM Site Inspection, Monitoring, and Maintenance Plan	Jan 26, 2007
Interim Groundwater Characterization Sampling and Analysis Report	Oct 19, 2007
Mohawk Upland Area Remedial Action Completion Report	Feb 6, 2008
Soil Investigation Work Plan East Disposal Area Infield	Aug 15, 2008
Results of 2008 Fish Collection Activities to Evaluate Fish Consumption Advisory in Remediated Cove, St. Lawrence River	Dec. 19, 2008
St. Lawrence River Monitoring & Maintenance Annual Inspection Report	Feb 2, 2009
GM Response to USEPA Request for Information Letter	Mar 26, 2009
 <u>Comments/Approvals Received from EPA / NYSDEC during the Month</u>	
- None -	

Massena Remediation Program Report Distribution List

1 copy (excluding plans or reports):

Chief, New York/Caribbean Superfund Branch
Office of Regional Counsel
U.S. Environmental Protection Agency, Region II
290 Broadway, 20th Floor
New York, New York 10007-1866
Attention: GM/Massena Superfund Site Attorney

2 copies (or 5 copies if plan or report):

Emergency and Remedial Response Division
U.S. Environmental Protection Agency, Region II
290 Broadway, 20th Floor
New York, New York 10007-1866
Attention: Anne Kelly

2 copies (or 3 if plan or report):

Mr. Ken Jock
Environmental Director
St. Regis Mohawk Tribe
412 State Route 37
Akwesasne, NY 13655

For Federal Express Packages:
SRMT Environmental Division
449 Frogtown Road
Akwesasne, NY 13655

3 copies (or 3 copies if plan or report):

New York State Department of Environmental Conservation
317 Washington Street
Watertown, New York 13601-3787
Attention: Regional Hazardous Waste Engineer – Peter Taylor, P.E.
Peter S. Ouderkirk, P.E. (1 copy)
Lincoln Fancher, Project Geologist (1 copy)

1 copy:

Wendy S. Keuhner, P.E.
New York State Department of Health
Flanigan Square, Room 300
547 River Street
Troy, New York 12180

1 copy:

Jim Harrington
New York State Department of Environmental Conservation
Bureau of Watershed Compliance Programs
625 Broadway, 4th Floor
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Massena Remediation Program Report Distribution List

All Reports and Gov't Correspondence:

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Table 1
Summary of Outfall 002 Water Sampling Analytical Results
GM Powertrain Massena, New York

PCBs EPA 608 - Hexane Extractable EPA 413.1 - Total Suspended Solids EPA 160.2 - Metals EPA 200.7

#	Sample ID	Date Sampled	Polychlorinated Biphenyls (PCBs) EPA 608			Oil & Grease (Hexane Extractable) EPA 1664A			Total Suspended Solids (TSS) EPA 160.2			Metals USEPA 200.7				
			Detection Limit (ug/l)	Analytical Results (ug/l)	SPDES Permit Limits (ug/l)	Detection Limit (mg/l)	Analytical Results (mg/l)	SPDES Permit Limits (mg/l)	Detection Limit (mg/l)	Analytical Results (mg/l)	SPDES Permit Limits (mg/l)	Aluminum (mg/l)	SPDES Permit Limits (mg/l)	Iron (mg/l)	SPDES Permit Limits (mg/l)	
1	12760	4-Jun-07	0.051	U	0.3	1.0	< 1.00	15	1.0	5.70	50	0.179	see note 1. below	0.341	see note 1. below	
2	12792	5-Jul-07	0.05	U	0.3	1.0	1.00	15	1.00	1.20	50	< 0.0500	see note 1. below	0.280	see note 1. below	
3	-	No sample collected during August due to dry conditions.					-			-	-		-		-	
4	12854	27-Sep-07	0.0538	U	0.3	1.00	1.70	15	1.00	14.70	50	0.1910	see note 1. below	0.463	see note 1. below	
5	12879	20-Oct-07	0.05	0.066	0.3	1.0	< 1.00	15	1.00	1.30	50	0.143	see note 1. below	0.206	see note 1. below	
6	12916	15-Nov-07	0.05	U	0.3	1.0	< 1.00	15	1.00	1.50	50	< 0.0500	see note 1. below	0.532	see note 1. below	
7	-	No sample collected during December due to frozen conditions.					-			-	-		-		-	
8	12966	10-Jan-08	0.0515	U	0.3	1.0	< 1.00	15	1.00	< 1.00	50	< 0.0500	see note 1. below	< 0.0500	see note 1. below	
9	12992	18-Feb-08	0.0532	U	0.3	1.0	< 1.00	15	1.00	2.80	50	0.178	see note 1. below	0.175	see note 1. below	
10	13026	4-Mar-08	0.0521	U	0.3	1.0	2.90	15	1.00	< 1.00	50	0.0537	see note 1. below	< 0.0500	see note 1. below	
11	13054	3-Apr-08	0.0515	U	0.3	1.0	< 1.00	15	1.00	< 1.00	50	< 0.0500	see note 1. below	< 0.0500	see note 1. below	
12	13079	1-May-08	0.0515	U	0.3	1.0	< 1.00	15	1.00	< 1.00	50	< 0.0500	see note 1. below	0.147	see note 1. below	
13	12941	5-Jun-08	0.0526	U	0.3	1.0	< 1.00	15	1.00	< 1.00	50	< 0.0500	see note 1. below	0.083	see note 1. below	
14	13143	21-Jul-08	0.0515	0.0566	0.3	1.0	< 1.00	15	1.00	1.90	50	0.0507	see note 1. below	0.345	see note 1. below	
15	13171	7-Aug-08	0.0500	U	0.3	1.0	1.30	15	1.00	5.70	50	0.8830	see note 1. below	1.23	see note 1. below	
16	-	No sample collected during September due to dry conditions.					-			-	-		-		-	
17	13205	27-Oct-08	0.0500	U	0.3	1.0	1.20	15	1.00	2.60	50	0.108	see note 1. below	0.242	see note 1. below	
18	13258	18-Nov-08	0.0505	U	0.3	1.0	< 1.00	15	1.00	< 1.00	50	< 0.0500	see note 1. below	0.0532	see note 1. below	
19	13296	2-Dec-08	0.0526	U	0.3	1.0	3.20	15	1.00	< 1.00	50	0.0560	see note 1. below	0.0600	see note 1. below	
20	-	No sample collected during January due to frozen conditions.					-			-	-		-		-	
21	13347	12-Feb-09	0.0532	U	0.3	1.0	6.30	15	1.00	4.30	50	1.12	see note 1. below	1.16	see note 1. below	
22	13382	12-Mar-09	0.0515	U	0.3	1.00	< 1.00	15	1.00	< 1.00	50	0.0646	see note 1. below	0.130	see note 1. below	
23	13406	2-Apr-09	0.0515	U	0.3	1.00	< 1.00	15	1.00	< 1.00	50	< 0.0500	see note 1. below	0.217	see note 1. below	
24	13433	21-May-09	0.0510	U	0.3	1.00	< 1.00	15	1.00	< 1.00	50	< 0.0500	see note 1. below	0.0848	see note 1. below	

Notes:

- 1). There is no effluent limit on metals for the SPDES Permit.
- 2). Analyses performed by Analytics Corporation, Inc.

Table 2
Summary of Outfall 004 Water Sampling Analytical Results
GM Powertrain Massena, New York

PCBs EPA 608 - Hexane Extractable EPA 1664A - Total Suspended Solids EPA 160.2 - Metals EPA 200.7

#	Sample ID	Date Sampled	Polychlorinated Biphenyls (PCBs) EPA 608			Oil & Grease (Hexane Extractable) EPA 1664A			Total Suspended Solids (TSS) EPA 160.2			Metals USEPA 200.7			
			Detection Limit (ug/l)	Analytical Results (ug/l)	SPDES Permit Limits (ug/l)	Detection Limit (mg/l)	Analytical Results (mg/l)	SPDES Permit Limits (mg/l)	Detection Limit (mg/l)	Analytical Results (mg/l)	SPDES Permit Limits (mg/l)	Aluminum (mg/l)	SPDES Permit Limits (mg/l)	Iron (mg/l)	SPDES Permit Limits (mg/l)
1	12761	4-Jun-07	0.0510	U	0.3	1.0	< 1.00	15	1.0	< 1.0	50	< 0.0500	see note 1. below	0.630	see note 1. below
2	12793	5-Jul-07	0.0500	U	0.3	1.0	< 1.00	15	1.0	8.70	50	< 0.0500	see note 1. below	4.490	see note 1. below
3	-	No sample collected during August due to dry conditions.			-	-	-	-	-	-	-	-	-	-	-
4	12855	27-Sep-07	0.0521	U	0.3	1.00	1.00	15	1.0	3.40	50	0.1980	see note 1. below	0.616	see note 1. below
5	12880	20-Oct-07	0.0510	0.0694	0.3	1.00	< 1.00	15	1.00	1.80	50	0.0527	see note 1. below	0.627	see note 1. below
6	12917	06-Nov-07	0.0510	U	0.3	1.00	2.5	15	1.00	6.20	50	< 0.0500	see note 1. below	1.80	see note 1. below
7	-	No sample collected during December due to frozen conditions.			-	-	-	-	-	-	-	-	-	-	-
8	12967	10-Jan-08	0.0510	U	0.3	1.0	< 1.00	15	1.00	< 1.00	50	< 0.0500	see note 1. below	0.167	see note 1. below
9	12993	18-Feb-08	0.0510	U	0.3	1.0	< 1.00	15	1.00	2.60	50	0.105	see note 1. below	0.178	see note 1. below
10	13027	04-Mar-08	0.0505	U	0.3	1.0	3.70	15	1.00	1.40	50	0.110	see note 1. below	0.140	see note 1. below
11	13055	03-Apr-08	0.0505	U	0.3	1.0	< 1.00	15	1.00	< 1.00	50	< 0.0500	see note 1. below	0.135	see note 1. below
12	13080	01-May-08	0.0510	U	0.3	1.0	2.10	15	1.00	1.60	50	< 0.0500	see note 1. below	0.630	see note 1. below
13	12942	05-Jun-08	0.0532	U	0.3	1.0	< 1.00	15	1.00	1.20	50	< 0.0500	see note 1. below	0.724	see note 1. below
14	13144	01-Jul-08	0.0543	U	0.3	1.0	< 1.00	15	1.00	17.80	50	< 0.0500	see note 1. below	7.10	see note 1. below
15	13172	04-Aug-08	0.0510	U	0.3	1.0	1.10	15	1.00	7.70	50	< 0.0500	see note 1. below	2.580	see note 1. below
16	13206	09-Sep-08	0.0510	U	0.3	1.0	< 1.00	15	1.00	24.70	50	0.0655	see note 1. below	1.730	see note 1. below
17	13231	09-Oct-08	0.0510	U	0.3	1.0	< 1.00	15	1.00	7.60	50	< 0.0500	see note 1. below	3.51	see note 1. below
18	13259	18-Nov-08	0.0515	U	0.3	1.0	< 1.00	15	1.00	< 1.00	50	< 0.0500	see note 1. below	0.380	see note 1. below
19	13297	02-Dec-08	0.0515	U	0.3	1.0	< 1.00	15	1.00	< 1.00	50	< 0.0500	see note 1. below	0.244	see note 1. below
20	-	No sample collected during January due to frozen conditions.			-	-	-	-	-	-	-	-	-	-	-
21	13348	02-Feb-09	0.0500	U	0.3	1.0	2.30	15	1.00	1.60	50	0.130	see note 1. below	0.152	see note 1. below
22	13383	11-Mar-09	0.0500	U	0.3	1.0	< 1.00	15	1.00	4.40	50	0.129	see note 1. below	0.177	see note 1. below
23	13407	02-Apr-09	0.0510	U	0.3	1.0	< 1.00	15	1.00	< 1.00	50	< 0.0500	see note 1. below	0.311	see note 1. below
24	13434	21-May-09	0.0521	U	0.3	1.0	< 1.00	15	1.00	5.70	50	< 0.0500	see note 1. below	2.75	see note 1. below

Notes:

- 1). There is no effluent limit on metals for the SPDES Permit.
- 2). Analyses performed by Analytics Corporation, Inc.