



MASSENA PLANT
P.O. Box 460
Massena, New York
13662-0460

March 10, 2009

Chief, 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. 202 for February 2009

Dear Ms. Anne Kelly:

Enclosed please find two copies of the Monthly Progress Report relating to the activities performed during the month of February 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) 764-2239 or Jim Hartnett at (315) 463-2391.

Sincerely,

A handwritten signature in red ink, appearing to read "DC Premo".

Douglas C. Premo
GM Project Coordinator

Monthly Progress Report No. 202 – February 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 (February 1 through February 28, 2008)

St. Lawrence River

On February 2, 2009, GM submitted the *St. Lawrence River Monitoring & Maintenance Annual Inspection Report* (Arcadis). The report summarizes sediment cap inspection activities conducted in the St. Lawrence River adjacent to the GM Powertrain facility during 2008. The sediment cap inspection activities were conducted in accordance with the requirements of the draft General Motors Site Inspection, Monitoring, and Maintenance Plan (Arcadis BBLES, January 2007). This report represents the thirteenth year of sediment cap inspections at the site.

East Disposal Area

GM submitted the *Soil Investigation Work Plan – East Disposal Area Infield* to EPA on August 15, 2008. 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 EPA and continued discussions with EPA on the scope of work of the EDA investigation during the month of December. On December 29, 2008, EPA gave verbal approval of the work plan provided that the draft EPA comments on the work plan would be incorporated into the work plan. Due to severe weather conditions the work has been postponed until late spring/early summer 2009. GM is anticipating that EPA will be sending out written approval of the work plan.

Groundwater Controls

On October 19, 2007 GM submitted the *Interim Groundwater Characterization Sampling and Analysis Report* (CDM, 2007). GM is awaiting comments from USEPA on this report. The report includes an assessment of the validated analytical results from the November 2006 and May 2007 groundwater sampling events. The results of the study provide the necessary information to modify the groundwater remedial plans as discussed during a our meeting with the government agencies on May 23, 2006.

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.

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 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.

Monthly Progress Report No. 202 – February 2009
General Motors Massena Superfund Site - Operable Units 1 & 2
USEPA Unilateral Administrative Orders Nos. II CERCLA - 20207 & 20215

Maintenance Activities

Outfall 004 (north of the Industrial Landfill) and Outfall 002 (at the Raquette River) were sampled on February 12, 2009. The analytical results for Outfall 002 are pending, and the analytical results for Outfall 004 are provided in Attachment I.

On February 16, 2009, the concrete vault and wet well North East of the Industrial Landfill was cleaned out. First, the power was disconnected, followed by a thorough wash of the concrete vault and wet well using a power washer with 1500 psi. A vacuum truck collected the wash water and transported the water to GM's Waste Water Treatment system.

Also during the month of February, a total of approximately 7,380 gallons of water from the sump northeast of the Industrial Landfill were transferred to GM's WWTS for treatment.

II. Analytical Data

Analytical results received during the month of February for the GM Massena Superfund Site include the following:

- Table 2 – Summary of Outfall 004 Water Sampling Analytical Results.

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

GM anticipates receiving the written approval from USEPA on the *Soil Investigation Work Plan – East Disposal Area Infield* and finalizing the work plan. This work is expected to be completed in the summer of 2009. 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, the Interim Groundwater Characterization Sampling and Analysis Report and the Mohawk Upland Area Remedial Action Completion Report.

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.

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Monthly Progress Report No. 202 – February 2009
General Motors Massena Superfund Site - Operable Units 1 & 2
USEPA Unilateral Administrative Orders Nos. II CERCLA - 20207 & 20215

<u>Submitted to EPA / NYSDEC</u>	<u>Date</u>
St. Lawrence River Monitoring & Maintenance Annual Inspection Report	Feb 2, 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
 <u>Comments/Approvals Received from EPA / NYSDEC during the Month</u>	
- none -	

Massena Remediation Program Report Distribution List - Government Agencies

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

Massena Remediation Program Report Distribution List

All Reports and Gov't Correspondence:

William J. McFarland

General Motors Corporation
GM Remediation
Engineering Center
MC 480-111-W60
30200 Mound Rd
Warren, Michigan 48090
Phone: 248-753-5816

Lynda A Messina

General Motors Corporation
Communication Manager
General Motors Manufacturing & Labor Relations
Manufacturing C Building
Mail Code 480-108-133
30400 Mound Road
Warren, MI 48090
Phone: (586) 986-9530
Cell Phone: (313) 378-8690

Douglas C. Premo

General Motors Powertrain Group - Massena Plant
Rt. 37 East, Box 460
Massena, NY 13662-0460
Phone: 315-764-2233 GM 8-344-2233
Fax: 315-764-2297 GM 8-344-2297

James F. Hartnett

General Motors Corporation
One General Motors Drive STE2
Syracuse, NY 13206-1127
Phone: 315-463-2391
Fax: 315-482-5197

Richard G. Boelter

ARCADIS
c/o GM Powertrain
Route 37 East, Box 460
Massena, NY 13662
Phone: 315-764-2299

ATTACHMENT 1

Analytical Data

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	12735	1-May-07	0.05	U	0.3	1.0	< 1.00	15	1.0	< 1.00	50	< 0.0500	see note 1. below	< 0.0500	see note 1. below
2	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
3	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
4	-	No sample collected during August due to dry conditions.			-	-	-	-	-	-	-	-	-	-	-
5	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
6	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
7	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
8	-	No sample collected during December due to frozen conditions.			-	-	-	-	-	-	-	-	-	-	-
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	-	No sample collected during September due to dry conditions.			-	-	-	-	-	-	-	-	-	-	-
18	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
19	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
20	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
21	-	No sample collected during January due to frozen conditions.			-	-	-	-	-	-	-	-	-	-	-
22	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

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	12699	3-Apr-07	0.05	U	0.3	1.0	1.40	15	1.0	< 1.0	50	< 0.0500	see note 1. below	0.205	see note 1. below	
2	12736	1-May-07	0.0510	U	0.3	1.0	1.00	15	1.0	1.80	50	< 0.0500	see note 1. below	0.619	see note 1. below	
3	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	
4	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	
5	-	No sample collected during August due to dry conditions.					-			-	-		-		-	
6	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	
7	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	
8	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	
9	-	No sample collected during December due to frozen conditions.					-			-	-		-		-	
10	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	
11	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	
12	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	
13	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	
14	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	
15	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	
16	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	
17	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	
18	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	
19	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	
20	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	
21	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	
22	-	No sample collected during January due to frozen conditions.					-			-	-		-		-	
23	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	

Notes:

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