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RCRA Facility Investigation and CERCLA Removal Action

Quarterly Progress Report 51 Fourth Quarter 2013

GM CETC – Bedford Facility
105 Gm Drive
Bedford, Indiana

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**QUARTERLY PROGRESS REPORT
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Section 1.0 Introduction

This Quarterly Progress Report is submitted by General Motors LLC (GM) in accordance with the Bedford Performance-Based Corrective Action Agreement (Agreement), executed on March 20, 2001, and modified on October 1, 2002, March 29, 2007, and May 9, 2008; and in accordance with the Administrative Order on Consent (AOC) for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. SS 9604, 9606(a), 9607, and 9622 (United States Environmental Protection Agency (U.S. EPA) Docket No.: V-W-'03-C-747) effective July 31, 2003, as amended for quarterly reporting by U.S. EPA approval, September 14, 2012. This report covers the period of the fourth calendar quarter of 2013 for the Resource Conservation and Recovery Act (RCRA) Corrective Action (CA) Project and the CERCLA Removal Action (RA) at the GM Castings, Engines, Transmissions, and Components (CETC; formerly Powertrain) – Bedford Facility (Facility) and select surrounding properties (Site), Bedford, Indiana.

The next RCRA/CERCLA quarterly progress report covering the First Quarter of 2014 will be submitted on or before April 15, 2014.

Section 2.0 List of Completed Activities

The following activities took place and the following documents were prepared and distributed during this quarter:

- Maintenance of storm water and erosion controls continued on an as-needed basis.
- Collection of Spring 018 water was suspended starting June 19, 2013 and spring water was allowed to flow directly to the creek as approved by U.S. EPA and IDEM on June 18, 2013. Ongoing monthly monitoring of the Spring continues. The SES treatment system ceased operating on June 19, 2013 and was placed into a standby mode.
 - A response to comments and revised memorandum outlining a contingency plan for restarting the collection and treatment of water emanating from Spring 018 was sent to U.S. EPA and IDEM on November 5, 2013.
 - Results for samples collected from Spring 018 during the quarter are presented in Table 2.1. Sample results for the monthly sampling were previously emailed to U.S. EPA and IDEM.
- The results of the 2012 Restoration Monitoring inspection for the Parcel 22 restoration consistent with the Operation, Maintenance, and Monitoring Plan for the Parcel 22 Removal Action was submitted to U.S. EPA and IDEM on October 16, 2013.

- EI CA750 Quarterly static groundwater level measurements for the Fourth Quarter were completed October 28 through October 31, 2013.
 - A memorandum of the EI CA750 results from the first semi-annual 2013 monitoring event were submitted to the U.S. EPA and IDEM on December 16, 2013.
- U.S. EPA and GM continued discussions on a RCRA Corrective Action Order for the Site.
- Fact Sheet 36 was published on November 25, 2013.
- As of the end of December 2013 the restoration work on Pleasant Run Creek is nearly completed with a few minor items to be finished on Parcel's 40 and 81 (grading out of some low spots, closing up the narrow remaining gap in the east berm, seeding on Parcel 40 and the addition of some evergreens along the fenceline on Parcel 81).
- The alignment design of the groundwater collection trench is ongoing. GM has acquired properties on Barlow Lane for the installation of the groundwater collection trench, and a motion was approved by Bedford City Council to vacate Barlow Lane in advance of trench installation activities.
- Public and Community Liaison Panel (CLP) meetings were held on December 4, 2013, to provide an update of the project and address questions and concerns from local residents. The Bedford Times Mail published an article on the meeting on December 5, 2013.
- Conference calls were held with U.S. EPA and IDEM on October 3 and 24, November 8 and 21, and December 12, 2013, to discuss items related to the project.
- On-Site construction meetings for the reporting period have been held informally daily and formally as needed. Formal SES construction meetings are held the first Tuesday of the month on October 1, November 5, and December 3, 2013. Tailgate safety meetings are held daily for both the consultant and the contractor.
- The RCRA/CERCLA Quarterly Progress Report #50, covering the third Quarter of 2013, was submitted to the U.S. EPA and IDEM on October 11, 2013.

Section 3.0 Summaries of all Problems and Planned Resolutions

- There were no problems for this quarter

Section 4.0 Summaries of all Changes Made in the Corrective Action (CA) During the Reporting Period

The following changes were made to the CA during the reporting period:

- Submission of the 2012 Parcel 22 Monitoring Report on October 16, 2013
- Publication of Fact Sheet 37 on November 25, 2013

- Public Information Session was held December 4, 2013
- Community Liaison Panel meeting was held December 4, 2013

Section 5.0 Community Relations

The telephone number for public contact is 812-277-8954 (Katie Kamm, CRA). Individual meetings can be arranged to discuss project progress with residents as requested.

The next neighborhood/public meeting and CLP meetings are tentatively scheduled for June 2014. Presentations for past meetings are posted on the GM website at: www.bedfordpowertraincorrectiveaction.com.

The document repository has been restored at the Bedford Public Library, with relevant project related documents available on compact disc (CD) in PDF format. Information will be updated periodically, as new documents become available. All data located in the Library repository can also be found on the aforementioned website.

Section 6.0 Changes in Personnel During the Reporting Period

Primary oversight personnel for CRA and SES remain unchanged. Additional SES demobilization is pending U.S. EPA approval of the SES water treatment plant demobilization.

Section 7.0 Projected Work For The Next Reporting Period

Work anticipated for the next reporting period includes:

- Continue maintenance of erosion controls as needed of the East Plant Area Cover System
- Sample Spring 018 in accordance with the monitoring schedule
- Rehabilitate vegetative cover on the East and West Plant Area Cover Systems in accordance with recommendations from JF New and SES's landscape subcontractor
- Complete restoration of Parcels 40 and 81
- The next round of EI CA750 static groundwater level measurements and water quality samples is scheduled to be completed by March 2013
- Submit the EI CA750 results from the second semi-annual 2013 monitoring event

- Submit the East Plant Area Vault Construction Certification Report
- Submit the Bailey's Branch Creek and Tributary 3 Concrete Sealing Construction Certification Report
- Complete the pilot perimeter trench design
- Complete a work plan addendum to complete additional on-site sampling for the RCRA Facility Investigation Report
- Submit Spring 018 Concrete Sealing Construction Certification Report
- Submit Downstream Parcels Soil Removal Construction Certification Report
- Complete the discussions on the Order with U.S. EPA

Section 8.0 Copies of Daily Reports, Inspection Reports, Laboratory/Monitoring Data

Table 2.1 presents the results from Spring 018 sampling.

Additional packages of analytical data have been and will be submitted to U.S. EPA once the validated data became available.

TABLE 2.1

**SPRING 018 SAMPLING RESULTS - OCTOBER/NOVEMBER/DECEMBER 2013
GM CETC BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Sample Area</i>		<i>P015</i>	<i>P015</i>	<i>P015</i>	<i>P015</i>
<i>Sample Location</i>		<i>Spring 018C</i>	<i>Spring 018C</i>	<i>Spring 018C</i>	<i>Spring 018C</i>
<i>Sample Identification</i>		<i>SW-015-100713-GS-39976</i>	<i>SW-015-100913-GS-39977</i>	<i>SW-015-111813-GS-39982</i>	<i>SW-015-121113-GS-39985</i>
<i>Sample Date</i>		<i>10/7/2013</i>	<i>10/9/2013</i>	<i>11/18/2013</i>	<i>12/11/2013</i>
	<i>Units</i>				
PCBs					
Aroclor-1016 (PCB-1016)	ug/L	0.20 U	0.20 U	0.22 U	0.19 U
Aroclor-1221 (PCB-1221)	ug/L	0.20 U	0.20 U	0.22 U	0.19
Aroclor-1232 (PCB-1232)	ug/L	0.20 U	0.20 U	0.22 U	0.19 U
Aroclor-1242 (PCB-1242)	ug/L	0.20 J	0.14 J	0.18 J	0.12 J
Aroclor-1248 (PCB-1248)	ug/L	0.20 U	0.20 U	0.22 U	0.19 U
Aroclor-1254 (PCB-1254)	ug/L	0.20 U	0.20 U	0.22 U	0.19 U
Aroclor-1260 (PCB-1260)	ug/L	0.20 U	0.20 U	0.22 U	0.19 U
Total PCBs	ug/L	0.2 J	0.14 J	0.18 J	0.12 J
General Chemistry					
Total suspended solids (TSS)	ug/L	2000 J	3000 J	5000	4000

Notes:

U - Not present at or above the associated value.

J - Result is less than the RL (reporting limit) but greater than or equal to the MDL (method detection limit) and the concentration is an estimated value.

December 11, 2013 Sampling Results are unvalidated