

**RCRA FACILITY INVESTIGATION  
AND CERCLA REMOVAL ACTION**

**QUARTERLY PROGRESS REPORT #50  
THIRD QUARTER 2013**

**GM CETC - BEDFORD FACILITY  
105 GM DRIVE  
BEDFORD, INDIANA**

**EPA ID# IND006036099  
AOC DOCKET NO. V-W-'03-C-747**

**Prepared For:  
General Motors LLC**

**OCTOBER 11, 2013  
REF. NO. 013968 (372)**  
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**Global Environmental  
Compliance & Sustainability**

October 11, 2013

Reference No. 013968

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Dear Messers Stimple and Ramanauskas:

Re: GM CETC – Bedford Facility, IND 006036099  
Performance-Based RCRA Corrective Action  
Quarterly Progress Report #50, Third Quarter 2013  
GM CETC - Bedford Facility  
Bedford, Indiana

Please find enclosed the Quarterly Progress Report #50 (Third Quarter 2013) for the Performance-Based RCRA Corrective Action project and the CERCLA Removal Action (RA) at the GM Castings, Engines, Transmissions, and Components (CETC; formerly Powertrain) - Bedford Facility (Facility) 105 GM Drive Bedford, Indiana, and select surrounding properties (Site). This report is being submitted in accordance with the Performance-Based RCRA Corrective Action Agreement, signed March 20, 2001 and amended 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.

The next RCRA/CERCLA quarterly progress report covering the fourth Quarter of 2013 will be submitted on or before January 15, 2014.

Should you have any questions regarding this document, please do not hesitate to contact me at (313) 510-4328.

Yours truly,

General Motors LLC

Cheryl R. Hiatt  
Project Manager

PG/cs/4  
Encl.

c.c.: See Attached Distribution List

***GM Bedford Distribution List***

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Cheryl Hiatt/Ed Peterson	GM WFG Remediation
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Bill Steinmann	CRA Project Geologist
Katie Kamm	CRA Oversight Engineer
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**QUARTERLY PROGRESS REPORT  
DISTRIBUTION LIST**

<b>U.S. EPA - Waste, Pesticide and Toxins Division, Project Manager</b>	<b>Peter Ramanauskas (via e-mail)</b>
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<b>GM WFG Remediation</b>	<b>Cheryl Hiatt /Ed Peterson</b>
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<b>CRA, Oversight Engineer</b>	<b>Katie Kamm (via e-mail)</b>
<b>ENVIRON</b>	<b>Steve Song (via e-mail)</b>

## 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 third 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 Fourth Quarter of 2013 will be submitted on or before January 15, 2014.

## 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.
- The Annual Compliance Report of the East Plant Area TSCA Vault for Calendar Year 2012 was submitted on July 11, 2013.
- EI CA750 Quarterly static groundwater level measurements for the third quarter were completed on September 16 through 21, 2013.
- 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. Operation of the Severson (SES) water treatment system continued until water remaining in the treatment system, including water remaining in the modutanks, was treated and discharged. The SES treatment system ceased operating on June 19, 2013 and was placed into a standby mode.
  - A 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 September 9, 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.
  - Sampling of SES's on-Site water treatment plant was not required in August 2013 as it was no longer in operation.
- After several discussions with the property owners, GM initiated restoration activities on Parcels 40 and 81. As of the end of September 2013 the majority of the restoration work on Pleasant Run Creek and the adjacent farm fields has been completed. Remaining activities on Parcel 40 include the filling in of the diversion channel and installation of the remaining sections of farm field tile. This remaining work is being coordinated with RACER Trust, who is completing restoration activities on upstream Parcel 39.
  - The restoration design drawings for the two remaining properties west of Peerless Road (Parcels 40 and 81) were sent to U.S. EPA and IDEM on September 18, 2013.
- GM retained JF New as a consultant to assess the current condition of the vegetative cover on the East and West Plant Areas and make recommendations for improvements to the vegetative growth. JF New inspected the Site on

September 5, 2013. GM is reviewing the JF New recommendations and discussing JF New's recommendations with their contractor.

- U.S. EPA and GM continued discussions on a RCRA Corrective Action Order for the Site.
- Conference calls were held with U.S. EPA and IDEM on July 12 and 24, August 8 and 29, and September 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 were held on July 9, August 13, and September 10, 2013. Tailgate safety meetings are held daily for both the consultant and the contractor.
- The RCRA/CERCLA Quarterly Progress Report #49, covering the second Quarter of 2013, was submitted to the U.S. EPA and IDEM on July 12, 2013.

### 3.0 **SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS**

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- GM completed restoration of the Pleasant Run Creek channel and adjacent farm fields on Parcels 40/81 to the extent practical by mid-September, 2013. Remaining restoration work, primarily consisting of backfilling the diversion channel and installation of the remaining section of farm field tile, was delayed as completion of this task could not be completed without rerouting the creek back to its original channel. This could not be done as RACER was working in that area and rerouting the creek would have flooded their work areas. Therefore, GM's contractor demobilized and the remaining restoration work on Parcel 40 will be completed by RACER's contractor, Backwater Environmental (Backwater) under an agreement between GM and RACER. RACER's contractor, Backwater, will complete the backfilling of the Diversion Channel, the installation of the tile drain system, and the remaining section of the East Berm along the Parcel 39/40 boundary; as well as related restoration plantings and seeding. Completion of this remaining work is anticipated in the fourth quarter of 2013.

**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 Annual Compliance Report of the East Plant Area TSCA Vault for Calendar Year 2012 was submitted on July 11, 2013.
- Submission of restoration design for the two remaining properties west of Peerless Road (Parcels 40 and 81) on September 18, 2013.

## 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 early December 2013. Presentations for past meetings are posted on the GM website at [www.bedfordpowertraincorrectiveaction.com](http://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.

## 6.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD

Primary oversight personnel for CRA and SES remain unchanged. SES demobilized workers and equipment from the Parcel 40 restoration west of Peerless Road after GM completed its restoration activities that could be completed without rerouting the creek on the Parcel. Some SES personnel remain on-site for routine site monitoring and maintenance and other site related projects as they occur. SES will be demobilizing from the site in the 4<sup>th</sup> Quarter.

## 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.
- Demobilize SES from the Site.
- The next round of EI CA750 static groundwater level measurements and water quality samples is scheduled to be completed by December 2013.
- Submit the EI CA750 results from the first semi-annual 2013 monitoring event.
- Submit the East Plant Area Vault Construction Certificate Report.
- Submit the report outlining 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.

**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 were submitted to U.S. EPA once the validated data became available. Validated data will continue to be submitted as it becomes available.