

RCRA FACILITY INVESTIGATION

QUARTERLY PROGRESS REPORT #42 THIRD QUARTER 2011

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

EPA ID# IND006036099

**Prepared For:
General Motors LLC**

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FIGURE

FIGURE 7.1 SHALLOW GROUNDWATER POTENTIOMETRIC SURFACE
SEPTEMBER 28 TO 29, 2011

**QUARTERLY PROGRESS REPORT
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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. This report covers the period of the third calendar quarter of 2011 for the Resource Conservation and Recovery Act (RCRA) Corrective Action (CA) Project at the GM Castings, Engines, Transmissions, and Components (CETC; formerly Powertrain) - Bedford Facility (Facility), Bedford, Indiana. Some of the activities conducted as part of the overall RCRA CA are being addressed under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Removal Action (RA) Program, pursuant to the Administrative Order on Consent (AOC), effective July 31, 2003. These activities are described in more detail within the CERCLA Progress Reports referred to herein.

The next quarterly progress report, covering the Fourth Quarter of 2011, will be submitted on or before January 15, 2012.

2.0 LIST OF COMPLETED ACTIVITIES

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

- Conference calls were held with U.S. EPA and the Indiana Department of Environmental Management (IDEM) on July 15 and 28; August 16; and September 8 and 23, 2011, to discuss project progress.
- A memorandum providing an update to the AOI 8 studies completed in 2011 was submitted to U.S. EPA and IDEM on July 5, 2011.
 - Comments on the memorandum from U.S. EPA were received on September 16, 2011.
- The Annual Vault Compliance Report for the year 2010 was submitted to U.S. EPA and IDEM on July 13, 2011.
- Photos of the East Plant and West Plant construction activities were emailed to U.S. EPA and IDEM on August 17, 2011.
- A summary of the volume of remediation waste removed from the creek since October 2010 was submitted to U.S. EPA on August 15, 2011.
- A memorandum summarizing groundwater sampling results and groundwater level static measurements for the first half of 2011 Environmental Indicator (EI) CA750 were submitted to U.S. EPA and IDEM on August 26, 2011.
 - Groundwater level static measurements were collected under the EI CA750 quarterly monitoring event on September 28 and 29, 2011. The potentiometric surface contours of the shallow groundwater based on the September 2011 event are presented on Figure 7.1.
- Current draft alignment for the East Plant Area Bedrock Groundwater Collection Trench was emailed to U.S. EPA and IDEM on September 9, 2011.
- A figure illustrating planned corehole locations to facilitate the final diversion trench design for Spring 018 was submitted to U.S. EPA and IDEM on September 9, 2011.
 - On September 22, 2011, IDEM submitted a comment suggesting an additional borehole location at a potential conduit crossing identified during a prior geophysical investigation.
 - A response to the IDEM comment was submitted on September 26, 2011, indicating that GM believed existing coreholes proximate to the potential conduit coupled with previously completed tracer tests adequately delineated the groundwater near the implied conduit.

- Work on construction of the northern portion of the East Plant Area Cover System continued this quarter.
- Work on construction of the West Plant Area Cover System was completed in August 2011.
- Work under the Downstream Parcels Removal Action Work Plan: Addendum No. 3 was completed in July with final contractor demobilization in August 2011. Excavation and transport of the <50 mg/kg PCBs flood plain soil from the former Stockpile G Area to the East Plant Area and West Plant Area was completed in July 2011. An estimated total of 9,000 cubic yards (12,600 tons) was transported to the East and West Plant Fill Areas for placement beneath the Cover Systems (based on truck counts) in this quarter.
- Fact Sheet 33 was published on September 22, 2011.
- An information session for the public was held on September 29, 2011, at the CRA Field Trailer. Invitations were mailed to the project Site neighbors and the meeting was also announced in the Bedford Times Mail.
- The Plant held an open house on September 29, 2011 as a thank you to the community for their continued support.
- The Community Liaison Panel (CLP) met at the CRA Field Trailer on September 30, 2011.
- A news article was published in the Bedford Times Mail on September 30, 2011, outlining the clean-up progress.
- The CERCLA RA Progress Reports covering May/June and July/August 2011 were submitted during the Third Quarter of 2011.

3.0 **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:

- Publication of Fact Sheet 33 on September 22, 2011.
- Public meeting held on September 29, 2011, to summarize progress made on the project during the third quarter of 2011.
- CLP Meeting held on September 30, 2011, to summarize progress made on the project during the last quarter.

4.0 COMMUNITY RELATIONS

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

A quarterly meeting to review project status was held for both the neighbors along the creek and around the plant, as well as with the general public. The quarterly meeting for the Third Quarter 2011 was held on September 29, 2011. The meeting provided a regular project update information session from 6:00 PM to 8:00 PM at the CRA Field Trailer. Presentations for the meetings are posted on the GM website at www.bedfordpowertraincorrectiveaction.com. The next public meeting has not yet been scheduled, but will likely be scheduled for spring/summer 2012, when construction resumes after the planned winter shut down.

Fact Sheet 33 was issued on September 22, 2011.

The CLP meeting was held on September 30, 2011. The CLP was formed to provide additional communication avenues for the community and the meetings are currently being held at the CRA construction trailer approximately every three months or more frequently if information on the project changes significantly. Previous CLP meeting minutes can be reviewed on the GM website at www.bedfordpowertraincorrectiveaction.com. The next CLP meeting will likely be scheduled in the summer/fall 2012 after construction has resumed.

The Information Center located at the Plant lobby will no longer be available after October 2011. The documents repository will be restored to Bedford Public Library on compact disc (CD) with documents appearing in PDF format. All data that will be located in the Library repository can also be found on the aforementioned web site.

5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD

Primary oversight personnel for CRA and Severson Environmental Services (SES) remain unchanged. Workers and oversight personnel will be demobilized through the next quarter, and the winter and spring as construction activities taper off this fall.

6.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD

Work anticipated for the next reporting period includes:

- Preparing and distributing Fact Sheet 34 in the next quarter.
- Completing the construction of the East Plant Area Cover System.
- Submitting the East Plant Area Vault Notice of Completion, Post Closure Plan, and Construction Certification.
- Submitting the detailed design of the Spring 018C groundwater diversion trench/system to U.S. EPA.
- Conducting creek restoration repairs north of Broomsage Road.
- Conducting AOI 8 NAPL removal response test.
- Submitting the Parcels 400 and 430 IM Work Plan to U.S. EPA.
- Maintaining temporary liner covers until construction in areas is completed, and continuing runoff water collection and treatment where necessary.
- Continuing the design of Pilot Groundwater Collection Trench and conducting coring along the revised trench alignment.

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

Figure 7.1 presents the potentiometric surface for groundwater level statics collected under the EI CA750 quarterly event on September 28 and 29, 2011.

