

RCRA FACILITY INVESTIGATION

QUARTERLY PROGRESS REPORT #43 FOURTH 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
DECEMBER 2 TO 5, 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 fourth 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 First Quarter of 2012, will be submitted on or before April 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 October 7, 14, and 27; and November 10 and 29, 2011, to discuss project progress.
- A Vault Notice of Completion letter was submitted to U.S. EPA and IDEM on October 12, 2011.
- A memorandum describing the results and removal related to the West Plant Lawn Area sampling and subsequent disposal of impacted materials was submitted to U.S. EPA and IDEM on November 9, 2011.
 - Comments on the memorandum from U.S. EPA were received on November 10, 2011.
 - Comments on the memorandum from IDEM were received on November 15, 2011.
 - A revised memorandum was submitted to U.S. EPA and IDEM on November 15, 2011.
- A memorandum of the proposal for the remedy of Parcels 400, 430, and 431 was submitted to U.S. EPA and IDEM on December 29, 2011.
- Development of the final design plans for the Spring 18 area has continued into this quarter.
 - A bedrock drilling program to install coreholes and collect groundwater samples in support of the detailed design of the bedrock groundwater diversion trench was initiated in October and completed in December.
 - Data from the new coreholes will be used to confirm the proposed trench alignment meets the design criteria for diverting clean water only.
 - Groundwater samples were collected from the coreholes upon the drilling completion. Preliminary sample results from the coreholes at Spring 018 had low-level total PCB detections. Samples were collected after a period of heavy rainfall after the groundwater elevations rose approximately five feet in a period of three days.
 - Water emanating from the spring continues to be collected and treated prior to discharge.

- Work on construction of the northern portion of the East Plant Area Cover System continued this quarter.
- The CERCLA RA Progress Report covering September/October was submitted during the Fourth Quarter of 2011.

**3.0 SUMMARIES OF ALL CHANGES MADE IN THE
CORRECTIVE ACTION (CA) DURING THE REPORTING PERIOD**

The following change was made to the CA during the reporting period:

- Vault Notice of Completion submitted to U.S. EPA and IDEM on October 12, 2011.

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.

Due to the planned winter shut down of construction activities, no project update information sessions were planned for the last quarter of 2011. The next neighborhood and public meeting and CLP will be held in 2012 after the restoration construction resumes in the late spring or early summer. Presentations for past meetings are posted on the GM website at www.bedfordpowertraincorrectiveaction.com.

The Information Center located at the Plant lobby is no longer available to the public and will be dismantled in 2012. The documents repository has been restored at the Bedford Public Library, with relevant project related documents available on compact disc (CD) in PDF format. All data located in the Library repository can also be found on the aforementioned website.

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 were demobilized this quarter as construction activities were completed. The majority of remaining workers will be demobilized during the next quarter as remaining Cover System construction activities taper off. Some personnel will remain on-site during the winter shut-down for routine site monitoring and maintenance.

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, with the exception of final seeding, which will be performed in the spring as weather permits.
- Submitting the East Plant Area Construction Certification.
- Conducting creek restoration repairs north of Broomsage Road.
- Conducting AOI 8 NAPL removal response test.
- Maintaining temporary liner covers until construction in areas is completed and continuing runoff water collection and treatment where necessary.
- Additional samples will be collected at Spring 018 beginning in January to replicate the high-flow conditions and to collect low-flow samples to help GM and CRA assess the validity of the design, determine next steps, and whether additional evaluation steps are required (e.g., more drilling for 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 December 2 to 5, 2011.

