

# RCRA Corrective Action March 10, 2010

## GM Powertrain Bedford Facility, Bedford, Indiana



Temporary Liners  
Covering Portions of  
the East Plant Area.



Restoration North  
of Broomsage Road.



Loading Material  
from Excavation off  
Bud Ikerd Road.



Covered and Secured  
Soil Stockpile Near  
Peerless Road.

This is the twenty-seventh Project Fact Sheet that has been prepared to provide the community with information regarding activities being performed at the Site.

### RCRA Corrective Action Update

General Motors LLC (GM) is undertaking a Resource Conservation and Recovery Act (RCRA) Corrective Action at the GM Powertrain – Bedford Facility (Site) in Bedford, Lawrence County, Indiana pursuant to the terms of a Performance Based Agreement (Agreement) executed by U.S. EPA Region V on March 20, 2001 and amended October 1, 2002, March 29, 2008, and May 9, 2008.

The Agreement provides for sampling as part of a RCRA Facility Investigation (RFI). Environmental sampling in the RFI has defined the levels of contaminants in soil, groundwater, sediment, and surface water. Continuing sampling activities include groundwater sampling and soil sampling.

Once an area has been investigated through the RFI, an Interim Measure (IM), or expedited cleanup, may be proposed. A number of IMs have been conducted as part of the Bedford Project. In July of 2005, U.S. EPA approved GM's IM for the East Plant Area. IM components for this area include (1) removal of soil with 50 ppm or greater PCBs from the East Plant Area, West Plant Area, and Northern Tributary and placement into an on-Site vault, (2) the use of low-level PCB soil (soil containing less than 50 ppm PCBs) from the creek removal as grading soil to go under the low-permeability cover system, (3) a clay and plastic cover system over the East Plant Area to limit rainwater infiltration and erosion of the low level PCB soils, (4) a perimeter groundwater collection trench installed within the bedrock along the northern, eastern and southern boundaries to collect groundwater in the direction it flows from Plant property and treat it prior to discharge, (5) a source removal system to remove oil from bedrock in a few locations beneath the Plant property, and (6) continued monitoring and maintenance of the IM components.

Approximately 190,000 tons of the higher level PCB contaminated soil have been removed from the East Plant Area, West Plant Area, and Northern Tributary and placement into the vault was completed in September 2008. The majority of the vault cover (including plastic liner) has been installed and final vault closure activities are expected to resume this summer. Placement of low-level PCB soil from the creek removal work in the East Plant Area is also nearing completion. Installation of the cover system over portions of the East Plant Area is complete and clay and/or temporary liners, placed at the beginning of 2009, cover the remaining areas. Temporary liners were placed to reduce the potential for stormwater runoff to contact the low-level PCB soil and to reduce erosion during construction. Construction of the East Plant Area cover system resumed in August 2009 and was shut down in January 2010 due to winter weather conditions. Work related to the East Plant Area cover system is anticipated to resume in the spring/summer of 2010. Completion of the cover system is expected in 2011. The perimeter groundwater trench for groundwater collection in the East Plant Area and a source removal system for oil in the bedrock are currently in the design phase. Finalization of the pilot design is anticipated in 2010.

The U.S. EPA approved the IM for the West Plant Area (which included excavation of soil in grassy areas in front of the Plant along GM Drive). The excavations were completed by the end of October 2008. The temporary liners protecting the excavated area near the Plant lobby, which has been filled to the lobby elevation, will be removed as the remainder of the cover system (vegetative and asphalt paving) for this area is constructed. Completion of the West Plant Area cover system is anticipated in 2011.

The following documents have been submitted to the U.S. EPA and IDEM since Fact Sheet 26 and are available for review in the public repository and online.

#### Quarterly Progress Report 35

#### CERCLA Monthly Progress Reports

- November/  
December 2009

#### Public Presentation

- December 10, 2009



### Off-Site Activities

Removal Actions along Bailey's Branch and Pleasant Run Creek are being executed under an Administrative Order on Consent (AOC) with U.S. EPA Region V, signed July 31, 2003. The AOC is being utilized to expedite the implementation of the cleanup of creek areas located off of the Facility property.

The spring and seep sampling activities have been significantly reduced due to the collection and analysis of hundreds of samples over a period of several years. Just a couple locations near the Facility property remain where continued monitoring is appropriate. Springs that have had consistent PCB detections are currently controlled by collection systems that convey the affected water to treatment systems prior to discharge.

Restoration of the cleaned section of the creek from the Facility to Pleasant Run Creek has been completed except for a small section near the confluence of Tributary 3 and the Bailey's Branch Creek main tributary, where investigation/remedy design for a spring, which is currently collected with a temporary collection system, is ongoing. Some minor maintenance and repairs to the section of Bailey's Branch Creek between the Broomsage Road Bridge and Pleasant Run Creek damaged by flooding in 2008 will be evaluated in the future.

The restoration between the Bailey's Branch confluence with Pleasant Run and the Peerless Road Bridge is nearly complete, except for some final grading and planting activities, which will likely be completed this year. Restoration of remaining areas will be completed following completion of Removal Action excavation activities.

Within the floodplain near Peerless Road, there are a few small areas that require soil removal, in addition to transportation of the material from the contaminated soil stockpile to the East Plant Area. Excavation of a small remaining area off Bud Ikerd Road, which was resumed in January of this year, is anticipated to be completed this spring. The stockpile on Peerless Road has been covered and secured outside the floodplain and will likely be transported this summer. Completion of remaining excavations in the downstream section and transportation of fill to the East Plant Area is also expected to be completed this year. GM continues to discuss an agreement with Motors Liquidation Company (MLC; formerly General Motors Corporation) to cooperatively conduct remaining work under the AOC on MLC owned properties prior to initiation of fieldwork. Restoration of the remaining downstream sections (west of Peerless Road) will continue through 2011. To date, approximately 1.75 million tons of soil, rock, and sediment exceeding the cleanup criteria have been removed, tested, and disposed off-Site at permitted landfills, or transferred into the East Plant Area as part of the IM.

Truck traffic, caused by transporting soil, north of the Plant on Peerless and Breckenridge Roads, will resume after the spring rainy season when work in the downstream areas resumes. Maintenance of local truck traffic routes continues to be an important aspect of the ongoing project and GM will continue to monitor, repair and/or replace roadway surfaces as needed, once the trucking resumes and as weather permits. When the majority of the truck traffic is over, GM will be resurfacing the last stretches of road used by the project, where paving is in poor condition.

### Communications

A neighborhood information session and a general public meeting were held on December 9 and 10, 2009, respectively, at the GM Powertrain Facility and attendees were provided information on the status of the creek cleanup and on the East Plant Area IM. A Community Liaison Panel (CLP) meeting was held on December 11, 2009 to provide information on the project status. The next neighborhood and public meetings are scheduled for March 17 and 18, 2010, respectively. A CLP meeting will be held on March 19, 2010.

The presentations for these meetings, as well as past meetings are posted to the project website at: [www.BedfordPowertrainCorrectiveAction.com](http://www.BedfordPowertrainCorrectiveAction.com).

An information repository is maintained in the Bedford Plant lobby and is available for public review by appointment. A list of new project documents submitted since Fact Sheet 26 is provided on page one of this Fact Sheet.

### Upcoming Field Activities

Remedial work on a larger spring, which contains PCBs, in the creek will continue in 2010. Water from this spring continues to be collected and treated. Restoration of the disturbed portions of the creek and floodplain, primarily those areas west of Peerless Road, will continue into 2011.

Most of the earthwork on portions of the East Plant Area cover system have been put on hold and secured for the winter and spring rainy season. Work will continue in one area off GM Drive while the remaining excavation along Bud Ikerd Road is completed. Any exposed portions of the East Plant Area cover system will be secured and temporarily tarped prior to the spring rainy season. Cover system construction will resume this spring/summer. The area will be vegetated once construction of the final cover system for the East Plant Area is completed, which is anticipated in 2011. The completion of the West Plant Area vegetative/asphalt cover is anticipated in 2011.

Additional bedrock studies may be conducted in the East Plant Area this spring. A drill-rig will be on-Site to assist with the studies.

It is anticipated that an agreement will be completed with MLC for the remaining remediation and restoration work in the first half of 2010.

### Contact Information

If you would like more information about this project, please contact any of the following:

#### U.S. EPA

**Peter Ramanauskas**  
for general information  
and on-site work  
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#### Brad Stimple

for creek clean up work  
Tel: (440) 250-1717

#### IDEM

**Gerald O'Callaghan**  
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#### ATSDR

(Public Health Agency)  
**Mark Johnson**  
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#### PROJECT INFORMATION AND TRUCK TRAFFIC COORDINATOR

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### Public Access Website at...

**www.BedfordPowertrain  
CorrectiveAction.com**  
*Get up-to-date project  
information and view  
project related documents.*

An information repository is located at:  
The Information Center at the GM Plant accessible by appointment (Please contact Katie Kamm).