

# RCRA Corrective Action March 16, 2009

## GM Powertrain Bedford Facility, Bedford, Indiana



West Plant Area Temporary Winter Cover



Clay Placement for Vault Cover Grading



Creek Channel Restoration



Local Clean Soil Source Activities

This is the twenty-third 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 Corporation (GM) is undertaking a Resource Conservation and Recovery Act (RCRA) Corrective Action at the GM Powertrain - Bedford Facility (Site) in Bedford, Lawrence County, Indiana under a Performance Based Agreement (Agreement) with U.S. EPA Region V, signed on March 20, 2001 and amended October 1, 2002, March 29, 2008, and May 9, 2008.

The Agreement provides for GM to conduct sampling as part of a RCRA Facility Investigation (RFI). Environmental sampling in the RFI defines 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. GM has planned and conducted a number of IMs for 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 and placement into an on-Site vault, (2) the use of low-level PCB soil 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.

Removal of the higher level PCB contaminated soil from the East Plant Area and placement into the vault, is complete. The majority of the vault cap (including plastic liner) has been completed. Placement in the East Plant Area of the low-level PCB soil from the creek removal work is also nearing completion. Installation of the cover system over portions of the East Plant Area is complete and clay and temporary liner covers the remaining areas. The temporary liner will remain in place for the seasonal shutdown over the winter to reduce the potential for storm water runoff to come in contact with the low level PCB soil. The cover system will be completed in the remaining areas in the fall of 2009, as the placement and seaming of the plastic liner must be conducted in warmer conditions. The perimeter groundwater trench and source removal system for oil are currently in the design phase and are being reviewed by U.S. EPA. Finalization and approval of these designs is anticipated in 2009.

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) and the excavations were completed by the end of October 2008. The excavated area near the Plant lobby has been filled to the lobby elevation and is protected with temporary liners for the winter season. Installation of the approved final cover as a new parking area at the Facility will begin after the winter shutdown, likely in June.

The following documents have been submitted to the U.S. EPA and IDEM since Fact Sheet 21 and are available for review in the public repository and online.

#### Quarterly Progress Report 31

#### CERCLA Monthly Progress Reports

- November, December 2008, January, February 2009

#### Public Presentation

- December 11, 2008



# 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 off of the Facility property.

Restoration of the cleaned upstream section of the creek, from the Facility to Broomsage Road, has been completed except for a small section near the confluence of Tributary 3 and the Bailey's Branch Creek main tributary where investigation of a spring is ongoing. The Construction Certification Report for that first section of the creek (Upstream Parcels) was approved by U.S. EPA on December 12, 2007.

Restoration of the Bailey's Branch Creek between the Broomsage Road Bridge and Pleasant Run Creek is completed. 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 last year are scheduled for Spring 2009.

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 be completed by Severson Environmental Services (SES) in the spring of 2009.

Only two small areas within the floodplain west of Peerless Road where soil removal is required remain. Excavation has been seasonally halted, but will resume when the staging pile at Bud Ikerd and Peerless Roads has been removed and as weather conditions allow, likely in spring/summer 2009. In addition, transportation of soil from the stockpile has been seasonally terminated, resulting in a reduction of truck traffic on Peerless and Breckenridge. In the spring, the truck traffic for the soil transport will resume. Exposed soil piles have been covered with temporary liners to eliminate the need for stormwater and erosion management during the seasonal shutdown.

To date, approximately 1.55 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. The physical excavation in the downstream section and transportation of fill to the East Plant Area is expected to be completed by summer 2009, while restoration of the remaining downstream sections (west of Peerless Road) will continue through 2009.

The fourth quarter of 2008 and first quarter of 2009 SSC seeps and springs sampling event was conducted on December 29, 2008 and January 21, 2009, respectively. Sample results from these monitoring events will be submitted to U.S. EPA.

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 and as weather permits. At the end of the truck traffic, GM will be resurfacing the last stretches of road used by the project, where paving is in poor condition.

# Upcoming Field Activities

A report reviewing technical approaches for one of the larger springs on the creek was submitted to U.S. EPA for review in November 2008 and will be implemented in the coming year. This spring water continues to be collected and treated before being released back into the creek.

Work on the East Plant Area IM will continue once the spring rainy season ends. The area will be vegetated once construction of the final cover system for the East Plant Area is completed, likely by the end of 2009.

The completion of the West Plant Area cover/parking lot paving is anticipated by the fall of 2009.

Restoration in the creek should be substantially complete by the fall of 2009. Work is anticipated to begin on wetland construction in the creek west of Peerless Road towards the end of this year or in 2010.

# General Update

A neighborhood information session and a general public meeting were held on December 10 and 11, 2008, 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 12, 2008 to provide information on the project status. The next neighborhood and public meetings are scheduled for March 25 and 26, 2009, respectively. A CLP meeting will be held on March 27, 2009.

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 22 is provided on page one of this Fact Sheet.

# Contact Information

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

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# Public Access Website at...

[www.BedfordPowertrainCorrectiveAction.com](http://www.BedfordPowertrainCorrectiveAction.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 Susan Waun).