

# RCRA Corrective Action June 11, 2008

## GM Powertrain Bedford Facility, Bedford, Indiana



Truck  
Load-Out  
At Area G



Vault  
Cover Liner  
Placement



New Wetland  
North of  
Broomsage  
Road



Restoration  
South of  
Broomsage  
Road

This is the twentieth 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, February 28, 2007, and February 27, 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 RFI activities include dye trace studies, 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, the 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 clay and plastic cover system, (3) a 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 within the

Plant property and treat it prior to discharge, (5) a source removal system for oil in groundwater in a few locations beneath the plant property, and (6) continued monitoring and maintenance of the IM components. The first component of this East Plant Area IM, removal of the higher level PCB contaminated soil from the East Plant Area and placement into the vault, is complete. Three of the four sides of the Vault have had a portion of the cap (including the plastic liner) placed on them. The next components; placement of the low-level PCB soil from the creek removal work and installing the cover system, is underway. The perimeter groundwater trench is currently in the design phase and is being reviewed by the U.S. EPA. Finalization and approval of the design is anticipated before the end of 2008.

The excavation and removal of a fill area and several localized areas above the clean-up objective on a creek north of the plant was completed in January of 2008 and completion of restoration activities in that creek area is anticipated by Summer of 2008. The excavation design for the West Plant Area has been approved by U.S. EPA. U.S. EPA has also approved the disposal of the greater than 50 ppm soil from the West Plant Area into the on-Site vault. Work in the West Plant has commenced near the corner of Breckenridge and GM Drive. Once this area is completed, a small area directly in front of the plant will be excavated. The IM Work Plan to recover free product (oil) from wells located east of GM Drive and North of 4th Street is currently under U.S. EPA review and will be implemented upon U.S. EPA approval. An IM for Parcels 201 (greater than 50 ppm soil) and 204 (less than 50 ppm soil) has been approved and excavation on Parcel 201 has been completed.

The following documents have been submitted to the U.S. EPA and IDEM since Fact Sheet 19 and are available for review in the public repositories and online.

Quarterly Progress Report 28  
Parcel 201 and 204  
IM Work Plan

East Plant Area Cover  
System Design Report

CERCLA Monthly Progress  
Reports  
• February, March, April  
2008

Public Presentation  
• March 13, 2008



## Project Fact Sheet 20

### Off-Site Activities

Removal Actions along Bailey's Branch and Pleasant Run Creek are being executed under an Administrative Order on Consent (AOC) with the 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 the 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. The restoration design for the area between the confluence of Bailey's Branch and Pleasant Run Creek and the Peerless Road Bridge is complete. Restoration of this section of the creek has begun and is expected to be complete by the Fall of 2008. A local source of clean soil is continuing to be utilized to supply fill using temporary roads constructed by GM (i.e., not along public roads) while a local commercial supplier is providing rock.

ENTACT, the removal contractor in the section downstream (west) of Peerless Road, continues to remove soil and sediment along the creek channel and floodplain. The excavation is nearing completion, with only a few small areas remaining to be excavated. Some of the excavated soil was temporarily staged, during January and February of 2008, northwest of the Peerless Road Bridge, until U.S. EPA approved amended designs for soil placement under the East Plant Area Cover System at the Plant. Soil transportation and placement in the East Plant Area resumed in March 2008. This placement activity will be marked by a period of increased truck traffic on Peerless and Breckenridge Roads for a number of months until all the remaining soil has been moved.

To date, approximately 1.4 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 should be completed by early Fall of 2008, however, transportation of the low-level PCB soil from the staging area to the Facility will continue into late 2008 and restoration of the remaining downstream sections (west of Peerless Road) will continue into 2009.

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.

The Quarterly Seep and Spring Monitoring Event was conducted May 12 and 13, 2008.

### Upcoming Field Activities

The physical removal and transport of soil and sediment from the creek area will continue downstream. Completion of the excavation of soil from the remaining sections downstream of Peerless Road is anticipated by the end of Summer 2008 and transport is expected to continue for several months after that.

Quarterly sampling of seeps and springs will continue and new seeps and springs will be added if encountered. An investigative study of one of the larger springs on the creek is ongoing and a report reviewing remedial alternatives will be submitted to the U.S. EPA for review. This spring water will continue to be collected and treated before being released to the creek.

Work on the East Plant Area IM is continuing. Low-level PCB soil continues to be used as subgrade material in the East Plant Area to support the on-going IM landfill cover system construction. The cover system is being constructed on finished areas of grading as they are completed. Once construction of the final cover system for the East Plant Area is completed, the area will be vegetated.

West Plant soils will be excavated and placed in the Vault this summer.

Once the soils from the West Plant excavation are put in the Vault, the remaining open face will be closed and the Vault cap completed.

The completion of restoration activities for the creek remediation north of the Plant is expected to be complete by the end of Summer 2008. Restoration in the main creek between the confluence of Bailey's Branch and Pleasant Run and the peerless Road Bridge should be complete by the end of 2008.

### General Update

A neighborhood information session and a general public meeting were held on March 12 and 13, 2008 respectively at the GM Powertrain Facility and provided information on the status of the creek cleanup and on the East Plant Area IM. A Community Liaison Panel (CLP) meeting was held March 14, 2008 to provide information on the project status. A road meeting will be held on June 17, 2008. The next neighbor and public meetings are scheduled for June 18 and 19, 2008, respectively. A CLP meeting will be held on June 20, 2008.

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

Two information repositories have been established where project-related documents, which include the Community Relations Plan, are available for public review; one at the public library (open during normal business hours) and one in the Bedford Plant lobby, available by appointment. A list of new project documents submitted since Fact Sheet 19 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:

#### U.S. EPA

**Peter Ramanauskas**  
for general information  
and on-site work  
Tel: (312) 886-7890

#### Brad Stimple

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

#### GM

**Becki Akers**  
Tel: (866) 223-0856  
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#### IDEM

**Gerald O'Callaghan**  
Tel: (317) 233-1522

#### ATSDR

(Public Health Agency)  
**Clayton G. Koher**  
Tel: (312) 886-0840

#### TRUCK TRAFFIC COORDINATOR

**Katie Kamm**  
Tel: (812) 279-0977

## 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:  
**Bedford Public Library**  
1323 K Street  
Bedford, Indiana  
Tel: (812) 275-4471

The Information Center at the GM Plant can be viewed by appointment (Please contact Becki Akers).