

RCRA Corrective Action December 1, 2008

GM Powertrain Bedford Facility, Bedford, Indiana



Restored Sewer Abandonment Area



Channel Restoration Upstream of Peerless Road



Backfilled West Plant Area Removal



Drainage Ditch Installation

This is the twenty-second 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 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 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 (in the direction of groundwater flow) 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. The vault cap (including plastic liner) has been completed. Placement of the low-level PCB soil from the creek removal work has been completed in the majority of the East Plant Area, with a few smaller areas yet to be completed. Installation of the complete cover system is complete in some areas and clay or tarping will cover remaining open fill areas, to reduce the potential for storm water runoff to come in contact with the low level PCB soil over the winter. The cover system will be completed in these areas in the spring and summer 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.

Some of the East Plant work includes excavation along the shoulder of the east side of GM Drive. This requires periodic lane closures while workers are active in this area. This work should be finished by the end of this year.

The U.S. EPA also approved the IM for the West Plant Area (which included excavation of soil in grassy areas in front of the Plant along GM Drive). Removal work on all of the IM projects in the West Plant Area were completed by the end of October 2008. The excavated area near the Plant lobby will be filled to the lobby elevation and covered with the approved Cover as a new parking area at the Facility.

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 30

CERCLA Monthly Progress Reports

- September, October 2008

Public Presentation

- September 25, 2008

Site Source Control (SSC) Investigation Summary and Proposed Removal Action Approach — Spring 018C

- November 14, 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 spring are scheduled for next spring.

Sevenson Environmental Services is the contractor currently working on the creek restoration between the Bailey's Branch confluence with Pleasant Run and the Bridge at Peerless Road. The majority of the work is anticipated to be completed by the end of this year, except for some planting activities, which will be completed in the spring of 2009. A local source of clean soil continues 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 materials and topsoil.

ENTACT, the removal contractor in the section downstream (west) of Peerless Road, has only two small areas within the floodplain where soil removal is needed. The excavation of these areas is anticipated to be completed by early 2009. In addition, soil from the stockpile at Bud Ikerd and Peerless Roads continues to be transported and placed in the East Plant Area and should also be completed by summer of 2009. This placement activity, along with the restoration work, has included a period of increased truck traffic on Peerless and Breckenridge Roads. We anticipate that by the end of January 2009, there will be a reduction in truck traffic over the winter. In the spring, regular truck traffic will resume.

To date, approximately 1.53 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 early summer 2009, while restoration of the remaining downstream sections (west of Peerless Road) will continue in 2009.

The third quarter SSC seeps and springs sampling event was conducted on September 23, 2008. Sample results from the monitoring event were submitted to U.S. EPA in November 2008.

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

Quarterly sampling of seeps and springs will continue and new seeps and springs will be added if encountered. The next sampling event will be conducted, weather depending, before the end of December 2008. A report reviewing Removal Action approaches for one of the larger springs on the creek was submitted to U.S. EPA for review in November 2008. 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 in the spring of 2009 after the winter shutdown. The cover system is already being constructed on areas where placement of the grading fill has been completed. The majority of the construction work will be halted through the winter due to difficulties in liner placement during winter. However, a team will remain on the Site to maintain storm water treatment operations and perform inspections and routine maintenance and, where weather allows, soil placement. The area will be vegetated once construction of the final cover system for the East Plant Area is completed, likely mid-2009.

The West Plant Area cover/parking lot is also expected to be completed in the spring of 2009.

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 summer of 2009. Work is anticipated to begin on wetland construction in the creek west of Peerless Road in 2009.

General Update

A neighborhood information session and a general public meeting were held on September 24 and 25, 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 September 26, 2008 to also provide information on the project status. A meeting to discuss a potential trail system under consideration for the wetland area at Bud Ikerd and Peerless Roads was held on September 23, 2008. The next neighborhood and public meetings are scheduled for December 10 and 11, 2008, respectively. A CLP meeting will be held on December 12, 2008.

The presentations for these meetings, as well as past meetings are posted to the project website at: 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 21 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 Ramanuskas
for general information
and on-site work
Tel: (312) 886-7890

Brad Stimple

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

GM

Susan Waun
Tel: (812) 583-3753

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.BedfordPowertrain
CorrectiveAction.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).