

RCRA Corrective Action February 27, 2008 GM Powertrain Bedford Facility, Bedford, Indiana



Low-level PCBs
Soil Stockpile
Staging Area



Excavation of
Northern Tributary
Parcels



East Plant Area
Grading Activities
Near Bailey Scales
Road



Restoration of
Downstream
Parcels (North of
Broomsage Road)

This is the nineteenth 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 and February 28, 2007.

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 groundwater monitoring well installations, dye trace studies, groundwater sampling, and bedrock coring.

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, 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 and placement into the vault, is complete. 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 is anticipated by Spring of 2008. The IM Work Plan and excavation design for the West Plant Area have been submitted to the U.S. EPA and are currently under review. Work will commence once the Work Plan and excavation design are approved. 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.

The following documents have been submitted to the U.S. EPA and IDEM since Fact Sheet 18 and are available for review in the public repositories and online.

Quarterly Progress Report 27

CERCLA Monthly Progress Reports

- November, December 2007, January 2008

Public Presentation

- December 6, 2007



Project Fact Sheet 19

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 close to 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 and has been sent out for bid. It is anticipated that restoration of this section of the creek will begin in the Spring 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 (north) of Broomsage 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 this soil is being temporarily staged northwest of the Peerless Road Bridge, until amended designs are completed and approved by U.S. EPA for soil placement under the East Plant Area Cover System at the Plant. Soil transportation and placement in the East Plant Area has been temporarily halted for the past few months as the amended design plans have been prepared and reviewed by the agencies. Once restarted, this placement activity will be marked by a period of increased truck traffic on Peerless and Breckenridge Roads for a number of months until the soil has been moved.

To date, approximately 1.3 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 Summer 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 downstream section 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.

The third dye trace study under the Site Source Control (SSC) Work Plan Addendum No. 5 was completed in December 2007. The spring water for this spring is currently being captured and treated before it enters the creek. Investigation/ evaluation of this area is ongoing.

Quarterly Seep and Spring Monitoring Events were conducted starting December 10, 2007 and January 9, 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 Broomsage 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 release 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.

The completion of restoration activities for the Northern Tributary IM is anticipated by Spring 2008.

It is anticipated that IM work will commence on the West Plant Area before the end of this year, upon Work Plan and excavation design approvals.

General Update

A neighborhood information session and a general public meeting were held on December 5 and 6, 2007 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 December 7, 2007 to provide information on the project status. The next general public and CLP meetings are scheduled for March 13 and 14, 2008, respectively.

The presentations for these meetings, as well as past meetings are posted to the project website at: 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 18 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.BedfordPowertrain](http://www.BedfordPowertrainCorrectiveAction.com)

[CorrectiveAction.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).