

RCRA Corrective Action June 8, 2009

GM Powertrain Bedford Facility, Bedford, Indiana



February 2009 Aerial Photograph

This is the twenty-fourth 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, West Plant Area, and Northern Tributary 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, West Plant Area, and Northern Tributary and placement into the vault is complete. Approximately 0.19 million tons of higher level PCB contaminated soil were placed in the vault. 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 liners cover the remaining areas. The temporary liner placed for the seasonal shutdown over the winter to reduce the potential for stormwater runoff to contact the low level PCB soil will be removed in phases this summer and into next year as the construction of the remainder of the cover system resumes, once a new general contractor has been selected. The cover system will be completed in the remaining areas by the fall of 2010. 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). 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.

The following documents have been submitted to the U.S. EPA and IDEM since Fact Sheet 23 and are available for review in the public repository and online.

Quarterly Progress Report 32

CERCLA Monthly Progress Reports

- March, April 2009

Public Presentation

- March 25, 2009

 **ENCORE**



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 in 2008 will be required 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.

Within the floodplain near Peerless Road there are two small areas remaining where soil removal is required. Excavation has been seasonally halted, but will resume after a new contractor is selected and the staging pile at Bud Ikerd and Peerless Roads has been removed. Transportation of soil from the stockpile to the Plant will resume when the staging pile is being removed, resulting in an increase of truck traffic on Peerless and Breckenridge Roads.

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 in 2009, while restoration of the remaining downstream sections (west of Peerless Road) will continue through 2010.

The fourth quarter of 2008 and first quarter of 2009 Site Source Control (SSC) seeps and springs sampling event was conducted in December 2008 and January 2009, respectively. Sample results from these monitoring events were submitted to U.S. EPA in April 2009. A memo presenting the rationale for termination of the SSC seeps and springs monitoring program was also submitted to U.S. EPA in April 2009 and is currently being reviewed.

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. 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.

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. This spring water continues to be collected and treated before being released back into the creek.

Work on the East Plant Area IM is expected to resume this summer after a new contractor is selected. The area will be vegetated once construction of the final cover system for the East Plant Area is completed, which is anticipated by the end of 2010.

The completion of the West Plant Area vegetative/asphalt cover is anticipated by the fall of 2010.

Creek restoration will continue into 2010.

General Update

Many components of the work both on and off of the Plant property have been substantially completed, however earlier this year, GM and one of its general contractors, ENTACT, agreed to close out the existing contract during the seasonal shutdown. As a consequence, GM is in the process of soliciting proposals to complete the remaining work. A new general contractor should be selected later this summer.

A neighborhood information session and a general public meeting were held on March 25 and 26, 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 March 27, 2009 to provide information on the project status. The next neighborhood and public meetings are scheduled for June 17 and 18, 2009, respectively. A CLP meeting will be held on June 19, 2009.

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 23 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

Susan Waun

Tel: (812) 583-3753

IDEM

Gerald O'Callaghan

Tel: (317) 233-1522

ATSDR

(Public Health Agency)

Mark Johnson

Tel: (312) 886-0840

TRUCK TRAFFIC

COORDINATOR

Katie Kamm

Tel: (812) 279-0977

Public Access Website at...

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).