

RCRA CORRECTIVE ACTION GM POWERTRAIN BEDFORD FACILITY, BEDFORD, INDIANA

September 15, 2006

INTRODUCTION

General Motors Corporation (GM) is undertaking 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. Removal Actions along Bailey's Branch and Pleasant Run Creek are being completed under an Administrative Order on Consent (AOC) with the U.S. EPA Region V. The effective date of the AOC is July 31, 2003. The AOC is being utilized to expedite the implementation of the cleanup of areas off of the Facility property. This is the fourteenth Project Fact Sheet that has been prepared to provide the community with information regarding activities being performed at the Site.

SITE BACKGROUND

The Site is located at 105 GM Drive in Bedford, Indiana, on approximately 152.5 acres of land. The Site currently produces aluminum casting products, such as transmission casings, pistons, and engine blocks, within approximately one million square feet of operating floor space. The Bedford Site was originally constructed in the early 1900s as a limestone milling operation. The U.S. Government purchased the mill in 1942, converting the Site to an aluminum aircraft engine foundry, which was operated by GM. GM purchased the property after World War II and has continued to operate the Site as an aluminum foundry as part of various GM operating divisions. Project Fact Sheets will be issued periodically by GM during the implementation of the Corrective Action program to keep the community informed of ongoing activities at the Site.

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Construction/Operation of Vault



Liner Installation



Completed Vault Liner



Vault Material Placement

Removal Activities Along Creek



North of Broomsage Road



Excavation



Northwest of Peerless Road

Restoration of Work Areas Along Creek



Restoration West of Bailey Scales Road



Dragon Fly in Restored Creek



Wildflowers Blooming in Restoration Area



Restoration East of Bailey Scales Road



Restored Creek Area



Restored Creek Area

The following documents have been submitted to the U.S. EPA and idem since Fact Sheet 13 and are available for review in the public repositories and online.

Quarterly Progress Reports
• 20 and 21

CERCLA Monthly Progress Reports
• January 2006 through August 2006

Project Fact Sheets
• Fact Sheet 13

Public Presentations
• February 2, 2006 and June 8, 2006

RCRA Facility Investigations
• RFI Work Plan: Addendum No. 12
• RFI Work Plan: Addendum No. 13

Interim Measures
• East Plant Area Over 50 mg/kg PCB Soil Removal

Please direct any questions about this project to Ms. Becki Akers of GM by phone (toll free) at 1-866-223-0856 or by e-mail at becki.akers@gm.com. U.S. EPA and IDEM contact information is provided on the next page.

RCRA CORRECTIVE ACTION UPDATE

GM is in the process of designing and implementing the U.S. EPA approved Interim Measure (IM) for the GM property east of GM Drive (East Plant Area). The East Plant Area was historically used for plant waste management activities. Components of the IM include soil removal of areas with greater than 50 ppm PCBs (the soil to be placed in an on-Site vault), a cover system to prevent contact with the remaining soil materials and limit rain water infiltration, the use of low-level PCB soil from the off-Site removal work as grading soil below the low permeability cover system, a groundwater collection trench installed downgradient into the bedrock around the northern, eastern, and southern perimeter of this area, and a groundwater source removal system in the former process pond 4 area. Long-term maintenance and monitoring are also part of the selected remedy. The detailed design of each component will be reviewed and approved by the U.S. EPA.

Excavation and placement of greater than 50 ppm PCBs soil into the vault was initiated in May 2006 and should be completed in the fall.



Vault Filling

GM also has been conducting additional on-Site investigations for the East Plant Area remedy. These investigations have involved further delineation of the fill materials, dye trace studies, and bedrock coring.

Groundwater sampling throughout the Plant property was conducted May through June 2006. Results of the analyses are pending.

A dye trace test of the groundwater in the West Plant Area was started to determine potential contaminant migration pathways from the Plant area. Additional dye trace tests will be completed in the future as required, and the results will be incorporated into the final design of the groundwater collection trench.

Additional soil testing was completed on the GM property west of GM drive (West Plant Area) to further delineate PCB concentrations.

OFF-SITE ACTIVITIES

Removal Activities have continued throughout 2004, 2005, and 2006. The upstream removal contractor, Severson, has advanced removal of soil and sediment, along the creek channel and floodplain, to approximately 6,300 feet downstream of the Outfall 002 to Broomsage Road. In order to complete the remaining excavation in proximity to the Broomsage Road culvert crossing, Broomsage Road will be closed for a number of weeks and the culvert/bridge at Broomsage Road will be excavated and replaced.

ENTACT, the contractor for the cleanup in the downstream section (north of Broomsage Road), has advanced removal of soil and sediment, along the creek channel and floodplain, to approximately 5,300 feet north of Broomsage Road and will continue in a northerly and westerly direction. In addition, part of the excavation has been extended west of Peerless Road to facilitate the construction of Diversion

Channel 3. Restoration is nearly complete to 3,800 feet of creek downstream of Outfall 002. ENTACT has opened Diversion Channel No. 2 to temporarily re-route creek water around the work areas on Parcel 30 and 36 so that excavation activities can occur under dry conditions. The creek channel will be returned to its original course once cleanup and restoration have been completed. Construction of Diversion Channel 3 will be completed in September 2006, weather permitting.

To date, more than 682,438 tons of soil, rock and sediment exceeding the cleanup criteria have been removed, tested, and disposed off-Site to permitted landfills, or transferred into the East Plant Area as part of the IM. Restoration activities will follow behind these removal activities as work progresses downstream.

SES continues rock breaking next to Broomsage Road and excavation under Broomsage Road will require the road to be closed. The culvert will be removed and replaced over a period of at least four weeks starting in October 2006. GM will notify residents before closure of Broomsage Road.

A local borrow source is in use for the creek restoration as backfill material as approved by the U.S. EPA. GM's contractors, SES and ENTACT, have built off-road haul roads where possible to reduce truck traffic on local roads.

Maintenance of local truck traffic routes is an important aspect of the ongoing project and GM will continue to monitor, repair and/or replace roadway surfaces as needed.

Site Source Control (SSC) sampling events of the seeps and springs were conducted beginning March 1, 2006 (Low-Flow), March 10, 2006 (High-Flow), and August 30, 2006 (High-Flow) respectively. High-Flow and Low-Flow sampling will continue on a quarterly basis as precipitation conditions allow.

Removal activities immediately south of Broomsage Road around the water line required the water line to be shut off four times. As a precaution, Lawrence County Water Authority issued a boil-water advisory due to the low water pressure condition. GM has provided cases of bottled water to the affected residents.

PCB warning signs have been posted at various locations along the creek. These signs will remain in those areas until the cleanup has been completed in those areas. GM continues to caution the public to avoid the creek and floodplain areas and to keep animals and pets away from the creek until the cleanup has been completed.

UPCOMING FIELD ACTIVITIES

The Removal Action will continue downstream through 2006. The approved Site Source Control Work Plan (which includes spring and seep monitoring and the collection and treatment of water from impacted spring and seep sources) is being implemented and will be amended if new seeps and springs impacted with PCBs are encountered. Additional investigations will be conducted as required.

Work on the East Plant Area IM is continuing. Filling of the vault and the greater than 50 ppm PCB soil source removal are underway. Weather permitting, the greater than 50 PCB soil removal will be complete by the end of October. Work on the Northern Tributary IM is forthcoming.

GM will continue to address specific requests from residents for additional sampling based on location of the property relative to the Facility and/or creek contamination. Analytical results from these requests are included in project data packages and are distributed to the property owners and agencies as the results are obtained.

GM is currently working to restore the habitat of the stream. Restoration north and south of Broomsage Road will continue in the fall and winter months.

GENERAL UPDATE

Meetings were held with owners of property on and adjacent to the creek on February 1, 2006, and June 7, 2006. General public meetings were held the following days at the GM Powertrain Facility with the project team present to answer questions from residents. These meetings provided information on the status of the creek cleanup and on the East Plant Area IM. The presentations for these meetings, as well as past meetings are posted to the project website at: www.BedfordPowertrainCorrectiveAction.com.

The next public meeting is scheduled for September 28, 2006.

An additional public meeting was held with residents along haul routes on April 27, 2006 to address questions and concerns with truck traffic in their community.

An information repository has been established where project-related documents, which include the Community Relations Plan, are available for public review. A list of new project documents since Fact Sheet 13 is provided on page one of this Fact Sheet.

PUBLIC ACCESS WEBSITE IS AVAILABLE AT...

www.BedfordPowertrainCorrectiveAction.com

Get up-to-date project information and view project related documents.

The Community Liaison Panel (CLP) has met regularly since September 2002 to discuss community concerns and involvement with the GM Bedford Corrective Action project. The next CLP meeting is scheduled to take place September 29, 2006. The names of members and meeting minutes have been posted on the public website and are available at the information repository.

The information repository is located at:

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

An Information Center has also been established in the GM Powertrain lobby at the Bedford Facility on GM Drive. This Information Center can be viewed by appointment (Please contact Becki Akers).

CONTACT INFORMATION

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

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