

RCRA CORRECTIVE ACTION GM POWERTRAIN BEDFORD FACILITY, BEDFORD, INDIANA March 8, 2005

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 undertaken 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 tenth 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 1900's 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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Diversion Channel No. 1



Excavation



Restoration

THE FOLLOWING DOCUMENTS HAVE BEEN SUBMITTED TO THE U.S. EPA AND IDEM AND ARE AVAILABLE FOR REVIEW IN THE PUBLIC REPOSITORIES AND ONLINE

CRA FACILITY INVESTIGATION (RFI) REPORTS

- Current Conditions Report (CCR) - May 25, 2001
- Community Relations Plan - June 6, 2001
- Health and Safety Plan (HASP) - November 16, 2004
- Quality Assurance Project Plan (QAPP), Preliminary RFI Activities - July 18, 2001
- RCRA Facility Investigation (RFI) Work Plan - October 29, 2001
- QAPP, RFI Work Plan - November 5, 2001
- RFI Work Plan Addendum No. 1 - November 18, 2002
- RFI Work Plan Addendum No. 2 - May 22, 2003
- RFI Work Plan Addendum No. 3 - March 23, 2004
- RFI Work Plan Addendum No. 4 - May 6, 2004

STREAM INVESTIGATION REPORTS

- Stream Investigation Work Plan - June 6, 2001
- Stream Investigation Field Sampling Plan - September 21, 2001
- Bedford RFI Technical Memorandum No. 1 - March 19, 2002
- Stream Investigation High Flow Sampling Memorandum - May 12, 2002
- Bedford RFI Technical Memorandum No. 1 Addendum - March 27, 2003
- Technical Memorandum Phase II Stream Investigation - February 11, 2003 OFF-SITE WELL

INVESTIGATION REPORTS

- Off-Site Well Survey and Sampling Work Plan - June 6, 2001
- Technical Memorandum Off-Site Residential Well Survey and Sampling - December 9, 2002

QUARTERLY PROGRESS REPORTS

- 1 through 15

ADMINISTRATIVE ORDER ON CONSENT

- AOC for Removal Action - August 14, 2003

REMOVAL ACTION WORK PLANS

- Parcel 22 Removal Action Work Plan - July 18, 2003
- Upstream Parcels Removal Action Work Plan - July 18, 2003
- Site Source Control (SSC) Work Plan - November 5, 2003
- SSC Work Plan: Addendum No. 1 - April 21, 2004
- Upstream Parcels Removal Action Work Plan: Addendum No. 1 - November 25, 2003
- Upstream Parcels Removal Action Work Plan: Addendum No. 2 - March 23, 2004
- Upstream Parcels Removal Action Work Plan: Addendum No. 3 - May 11, 2004
- Upstream Parcels Removal Action Work Plan: Addendum No. 4 - June 30, 2004
- Downstream Parcels Removal Action Work Plan - May 25, 2004

CERCLA MONTHLY PROGRESS REPORTS

- July 2003 through January 2005

MAPS

- Stream Investigation Summary Maps (Study Areas 1 through 10) - August 9, 2002

project fact sheet



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

The Western Tributary Interim Measure Work Plan has been approved by the U.S. EPA and will be implemented once access was been reached with the property owner. The Northern Tributary Interim Measure Work Plan is under development. GM submitted the first of two Environmental Indicators (EI) required by RCRA. The final EI CA 725 Report was submitted to the U.S. EPA January 27, 2005. An EI is an interim project measurement of the progress of the Corrective Action.

GM has initiated discussions with U.S. EPA and IDEM regarding a cleanup remedy the plant property east of GM Drive. This area was historically used for plant waste management activities. Although planning is in the initial stages, components of an overall cleanup plan may include soil removal from select areas of the site, a cover system to prevent people and rainwater from contacting the remaining soil materials, select soils from the off-site removal work to be used as grading soil below the cover system, a groundwater collection trench installed into the bedrock around the northern and eastern perimeter of this area, an onsite landfill vault to contain soils excavated from this area. Long term maintenance and monitoring would also be performed to ensure the selected remedy remains protective into the future. Once a remedy is proposed, it will be brought to the public for review.

OFF-SITE ACTIVITIES

The U.S. EPA and GM signed an Administrative Order on Consent (AOC), which became effective July 31, 2003. The AOC has been entered into voluntarily by the U.S. EPA and GM for the Removal Action to expedite the implementation of the cleanup work in the creeks.

The Removal Action has been undertaken to clean up PCB-contaminated sediment and floodplain soil within Bailey's Branch and the Pleasant Run Creek Watershed. This area includes approximately 5 miles of creek that runs from the GM Bedford Facility Outfall downstream to approximately the Old Murdoch railroad trestle. Both the creek bed and the adjacent floodplain areas are a part of the Removal Action activities. The objectives of the AOC are to control any potential ongoing releases to the creek, and to remove sediment and soil present at levels above the cleanup criteria. The soil cleanup criteria is the State default residential standard of 1.8 ppm. The sediment cleanup criteria is 1 ppm.

As part of the AOC, the U.S. EPA approved the Work Plans for the cleanup. The first components of the cleanup activities began in April 2003 with the cutting of larger trees on several of the upstream properties.

Soil and sediment removal activities began in the upstream areas, on and adjacent to the GM Bedford Facility, in September 2003 and have continued throughout 2004. Our upstream removal contractor, Severson, has completed excavation of soil and sediment almost one mile downstream of the historical Outfall 002 continues to excavate downstream. ENTACT, the contractor for the cleanup in the downstream section north of Broomsage Road has advanced the excavation in this area 150 feet and will continue in a northerly direction. To date, over 125,000 tons of soil and sediment

exceeding the cleanup criteria have been removed, tested, and taken off-Site to permitted landfills. Air monitoring is conducted around all activities required by the approved work plans. Restoration activities are following behind these removal activities as work progresses downstream.

ENTACT has completed the construction of Diversion Channel No. 1. The diversion channel is constructed to temporarily reroute creek water around the work areas so that excavation activities can occur under dry conditions. The creek channel will be returning to its original course once cleanup and restoration has been completed.

With the increased soil removal work and inclement weather, we have noticed increased road deterioration and damage. Please bear with us as GM works to make the necessary repairs, as we will do throughout this removal work. As well, we appreciate the courtesy provided to flagmen controlling road traffic near our work areas.

GM is working with Lawrence County to allow the transportation of soil in heavy trucks across the Peerless Road Bridge. This will involve constructing either a new bridge or building a temporary bridge. Be prepared for a disruption in traffic over the bridge for several months while this bridge work is being performed.

In addition to soil and sediment removal activities, GM has installed seep and spring controls to collect groundwater on GM's property east of GM Drive. These systems collect water that has been impacted by PCBs to prevent the potential for recontamination of the creek.

PCB warning signs have been posted at various locations along the creek. These signs will remain until the cleanup has been completed. 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 throughout 2005. The approved Site Source Control Work Plan is being implemented and will be amended if new seeps and springs that are impacted with PCBs are encountered.

GM is working with the U.S. EPA and IDEM through the preparation of a Corrective Measures Study to develop a remedy for the East Plant Area, located east of GM Drive.

GM will be performing additional dye tracing tests this spring. These test involve the pouring of a colored dye into a monitoring well on GM property and then checking for the presence of dye in nearby springs, seeps, the creek, and monitoring wells. For these tests we will be using both red and green colored dyes. If you happen to observe red or green colored dye in a spring or seep, please call Becki Akers to let us know.

GM is continuing to address specific requests from residents for additional sampling based on location of the property relative to the Facility and/or 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 will be continuing to perform additional investigation of soil and groundwater both on GM property as well as at several fill areas near the Facility. GM will also complete the final segment of tree cutting in remaining areas of the creek.

GENERAL UPDATE

A meeting was held with owners of property on and adjacent to the creek on February 21, 2005 and a general community meeting was held the next evening. These meetings provided updates on the Corrective Action activities. The presentations for these meetings, as well as past meetings are posted to the project website at: www.BedfordPowertrainCorrectiveAction.com

The next set of meetings are scheduled for March 30 and 31, 2005.

An information repository has been established where project-related documents, which include the Community Relations Plan, are available for public review. A complete list of available project documents is provided on Page 1 of this Fact Sheet.

PUBLIC ACCESS WEB SITE IS AVAILABLE AT www.BedfordPowertrainCorrectiveAction.com
Get up-to-date project information and view project-related documents.

The Community Liaison Panel (CLP) has met periodically since September 2002 to discuss community concerns and involvement with the GM Bedford Corrective Action project. These meetings will continue during 2005. 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 (Contact Becki Akers).

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 cleanup work Tel: (440) 250-1717

GM

Becki Akers Tel: (866) 223-0856 (toll-free)

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