

RCRA CORRECTIVE ACTION GM POWERTRAIN BEDFORD FACILITY, BEDFORD, INDIANA May 23, 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 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 eleventh 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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Excavation



Restoration



Rock Breaking

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

VOLUNTARY CORRECTIVE ACTION AGREEMENT

- Agreement for Corrective Action – March 20, 2001

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
- RFI Work Plan Addendum No. 5 - July 26, 2004
- RFI Work Plan Addendum No. 6 - September 27, 2004
- RFI Work Plan Addendum No. 7 - November 23, 2004
- RFI Work Plan Addendum No. 8 - March 1, 2005
- Environmental Indicator CA 725 Report - January 24, 2005
- Technical Memorandum RCRA Facility Investigation (RFI) Soil; Sediment; Surface Water; Wipe Sampling - April 18, 2005

INTERIM MEASURE WORK PLANS

- Western Tributary Interim Measure Work Plan - December 15, 2004
- East Plant Area Interim Measure Work Plan - April 13, 2005

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 16

PROJECT FACT SHEETS

- Project Fact Sheets 1 through 11

PUBLIC PRESENTATIONS

- January 28, 2004 through March 31, 2005

ADMINISTRATIVE ORDER ON CONSENT

- AOC for Removal Action - July 31, 2003

REMOVAL ACTION WORK PLANS

- Parcel 22 Removal Action Work Plan - July 18, 2003
- Upstream Parcels Removal Action Work Plan - July 18, 2003
- 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
- Upstream Parcels Removal Action Work Plan: Addendum No. 5 - October 2, 2004
- Downstream Parcels Removal Action Work Plan - May 25, 2004
- Site Source Control (SSC) Work Plan - November 5, 2003
- SSC Work Plan: Addendum No. 1 - April 21, 2004
- SSC Work Plan: Addendum No. 2 - October 1, 2004
- SSC Work Plan: Addendum No. 3 - November 17, 2004
- Final Proposed Modification to the Ambient Air Quality Monitoring Plan - November 23, 2004
- Master Creek Channel, Vegetation, and Habitat Restoration Plan - November 26, 2004

CERCLA MONTHLY PROGRESS REPORTS

- July 2003 through April 2005

MAPS

- Pleasant Run and Bailey's Branch Creek Areas - June 14, 2002
- Stream Investigation Summary Maps (Study Areas 1 through 10) - August 9, 2002



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 has continued discussions with U.S. EPA and IDEM regarding a cleanup remedy for the plant property east of GM Drive. This area was historically used for plant waste management activities. These discussions with the U.S. EPA and IDEM have resulted in a proposed Interim Measure, which was presented to the public at the last public meeting in March 2005. Components of the proposed Interim Measure include soil removal of areas with > 50ppm PCBs (the soil to be placed in an on-Site vault), a cover system to prevent people from contacting the remaining soil materials and limit rainwater infiltration, select low-level PCB soil from the off-Site removal work to be used as grading soil below the low permeability cover system, a groundwater collection trench installed into the bedrock around the northern and eastern perimeter of this area, and a source removal system in the former process lagoon area. Long term maintenance and monitoring would also be performed to ensure the selected remedy remains protective into the future. The U.S. EPA is currently requesting any feedback on this proposed remedy that the public may have.

GM has also been conducting additional on-Site investigations in support of the East Plant Area remedy. These investigations have involved further delineation, bedrock coring, and geophysical surveys. GM has also been conducting an on-Site dye trace test to evaluate groundwater flow paths in the overburden and shallow bedrock using two separate dyes. These dyes were injected into wells on March 22, 2005 and monitoring is ongoing.

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 cleanup 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.

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 and 2005. The upstream removal contractor, Severson, has completed removal of soil and sediment to approximately 4,000 feet downstream of the historical Outfall 002 and continues to excavate downstream north towards Broomsage Road. ENACT, the contractor for the cleanup in the downstream section (north of Broomsage Road) has advanced the excavation in this area 1,500 feet and will continue in a northerly direction. To date, over 182,000 tons of soil and sediment exceeding the cleanup criteria have been removed, tested, and taken off-Site to permitted landfills or will be transferred on-Site into the East Plant Area as part of the Interim Measure. 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.

Over the past winter and spring, with the increased soil removal work and inclement weather, there has been an increase in road deterioration and damage. The repairs to the damaged roads are being completed throughout this removal work. Asphalt plants were closed over the winter months, therefore, roads damaged during the months are just now being repaired.



Paving Broomsage Road

GM is working with Lawrence County to allow the transportation of soil in heavy trucks across the Peerless Road Bridge. This has involved constructing a new bridge which opened to traffic the week of May 23, 2005.

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.



Peerless Road Bridge Construction

GM is constructing a new remediation water treatment facility at the southern end of the stormwater pond. This new facility will treat the collected spring and seep water. It will also provide overflow treatment capacity for the stormwater pond if heavy rain occurs.



New Waste Water Treatment Facility

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 impacted with PCBs are encountered. Work on the East Plant Area will continue through the year.

GM will continue to perform additional dye tracing tests and drilling on Plant property this summer. The dye trace tests 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.

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.

GENERAL UPDATE

A meeting was held with owners of property on and adjacent to the creek on March 30, 2005 and a general community meeting was held the next evening. These meetings provided information on the East Plant Area proposed remedy. The U.S. EPA has also provided a Statement of Basis for public comment which is posted to the website and at the repositories. 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 is scheduled for June 1 and 2, 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

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