

RCRA FACILITY INVESTIGATION

QUARTERLY PROGRESS REPORT #14 THIRD QUARTER 2004

**GM POWERTRAIN - BEDFORD PLANT
105 GM DRIVE
BEDFORD, INDIANA**

EPA ID# IND006036099

**Prepared For:
General Motors Corporation**

**OCTOBER 2004
REF. NO. 13968 (115)**
This report is printed on recycled paper.

TABLE OF CONTENTS

	<u>Page</u>
1.0 <u>INTRODUCTION</u>	1
2.0 <u>LIST OF COMPLETED ACTIVITIES</u>	2
3.0 <u>SUMMARIES OF ALL CHANGES MADE IN THE CORRECTIVE ACTION (CA) DURING THE REPORTING PERIOD</u>	5
4.0 <u>COMMUNITY RELATIONS</u>	6
5.0 <u>CHANGES IN PERSONNEL DURING THE REPORTING PERIOD</u>	7
6.0 <u>PROJECTED WORK FOR THE NEXT REPORTING PERIOD</u>	8
7.0 <u>COPIES OF DAILY REPORTS, INSPECTION REPORTS, LABORATORY/MONITORING DATA</u>	9

**QUARTERLY PROGRESS REPORT
DISTRIBUTION LIST**

U.S. EPA - Waste, Pesticide and Toxins Division, Project Manager	Peter Ramanauskas (2 copies)
U.S. EPA - Emergency Response Branch, On-Scene Coordinator	Brad Stimple
U.S. EPA - Emergency Response Branch, On-Scene Coordinator	Ken Rhame
Tetra Tech EM Inc., U.S. EPA Consultant	Stacy Delareintrie
Earth Tech, U.S. EPA Consultant	John Bassett
Indiana Department of Environmental Management	John Gunter (5 copies)
U.S. Fish and Wildlife Service	Dan Sparks
U.S. Fish and Wildlife Service	Lori Pruitt
GM WFG Remediation	Ed Peterson
GM WFG Remediation	Cheryl Hiatt
CRA Project Coordinator	James McGuigan
Exponent	Rick Bodishbaugh
ENVIRON	C.Y. Jeng

1.0 INTRODUCTION

This Quarterly Progress Report is submitted in accordance with the Bedford Performance-Based Corrective Action Agreement (Agreement) between the United States Environmental Protection Agency (U.S. EPA) and General Motors Corporation (GM), executed on March 20, 2001, and modified on October 1, 2002. This report covers the period of the third calendar quarter of 2004 for the GM-Powertrain - Bedford Plant (Facility), Bedford, Indiana. Some of the activities conducted as part of the overall RCRA (Resource Conservation and Recovery Act) Corrective Action (CA) work are being addressed under the CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) Removal Action Program, pursuant to the Administrative Order on Consent (AOC) between the U.S. EPA and GM (effective July 31, 2003). These activities are described in more detail within the CERCLA Monthly Progress Reports referred to herein.

The next quarterly progress report, covering the Fourth Quarter 2004, will be submitted on or before January 15, 2005.

2.0 LIST OF COMPLETED ACTIVITIES

The following documents were prepared and distributed during this quarter:

- On July 8, 2004, a Dye Trace Investigation was conducted on Swallet #1 located on Parcel 15. On July 21, 2004, a second Dye Trace Investigation was conducted at Swallet #2. The results of these tests were presented in the Swallet Testing Technical Memorandum (September 27, 2004).
- The 13th Quarterly Progress Report, covering April, May, and June 2004, was submitted to the U.S. EPA on July 15, 2004.
- Analytical results for backfill soil sources (both common fill and topsoil) were submitted to the U.S. EPA. Data included samples collected at both backfill source locations: Ingram Farm and Blackwell-Walton Quarry.
- Analytical results for crushed rock sources were submitted to U.S. EPA. Data included samples collected at two proposed sources: Junction Limestone Quarry and the Rogers Group Seaboldt Quarry.
- Bi-weekly conference calls were held with the U.S. EPA, USFWS, IDEM, and Indiana State Health Department (ISHD) on July 20, August 3, August 18, September 9, and September 28, 2004, to discuss project progress.
- Conference calls were held with the U.S. EPA and IDEM on August 12 and September 9, 2004, to discuss the Problem Formulation document for the Ecological Risk Assessment.
- Conference calls were held with U.S. EPA and IDEM on August 5 and September 28, 2004, to discuss the format for the upcoming October 2004 Public Meetings.
- CRA attended a luncheon meeting at the Bedford Kiwanis Club and made a presentation outlining the GM Bedford Corrective Action and Removal Action project.
- At the request of the Agency for Toxic Substances and Disease Registry (ATSDR), a list of matrix code descriptions were provided on July 23, 2004.
- RFI Work Plan: Addendum No. 5 regarding the Dye Trace Study was submitted to the U.S. EPA and IDEM on July 26, 2004. This Addendum included the following tasks:
 - Aerial thermal imagery has been completed of the Facility and surrounding area. Field verification has been completed for areas at the Facility and the immediate surrounding area.
 - Additional monitoring well installation has been completed to the east, west, and north of the Facility. These monitoring wells have been installed, developed and sampled where sufficient water was present.

- Dye Trace Testing near Outfall #002. The Fluorescein dye was injected at the on-Site monitoring well MW-X233Y087S on August 30, 2004, and the dye recovery monitoring at multiple locations was continued until September 20, 2004.
- The RFI Work Plan Addendum No. 6 and the Swallet Investigation Technical Memorandum (TM) was submitted to the U.S. EPA on September 27, 2004. Limited additional excavation was proposed within the TM to investigate, to the extent practicable, and gather additional information on the swallet configuration.
- Meetings were held with owners of properties on and adjacent to the creek and with the general community on August 4 and 5, 2004, respectively. These meetings provided updates on the Corrective Action activities. The next meetings are scheduled for October 27 and 28, 2004.
- A meeting was held on-Site with the Agencies on August 5, 2004, to discuss Site Source Control at Outfall 002 and in the area north of AOI 4.
- A conference call was held on-Site with the Agencies on August 5, 2004, to discuss the Upper Confidence Level (UCL) calculations.
- On August 6, 2004, a meeting was held with the Community Liaison Panel at the Bedford Plant. The next meeting is scheduled for October 29, 2004.
- On August 13, 16 & 17, 2004, low-flow sampling was completed, pursuant to the Site Source Control Work Plan. Eight additional seeps/springs were identified within the area north of AOI 4 during this reporting period. Each of the eight new seeps/springs has been sampled and will be included in future sampling, and/or SSC structures, as applicable.
- Beginning on August 31, 2004, boreholes were completed at Parcel 398 at the locations that had been previously identified for test pits, pursuant to the RFI Work Plan Addendum No. 4. These borings were completed, rather than the planned test pits, at the owner's request. Due to Site activity inhibiting access to certain locations (i.e., haul roads, stockpiles, etc.) there are still eight test pit locations that require completion.
- Responses to U.S. EPA Comments on the RFI Technical Memorandum: Soil, Sediment; Surface Water; and Wipe Samples was submitted on September 28, 2004.
- Responses to U.S. EPA Comments on the RFI Work Plan Addendum No. 7 were submitted on September 27, 2004.

GM also continued to evaluate specific sampling requests made by residents in this quarter and collected samples, where appropriate, based on knowledge and location of the property relative to the plant and/or contamination. These analytical results (once

validated) have been included in the stream project data packages distributed to the residents and to U.S. EPA and IDEM. GM will continue evaluating additional areas requested by residents, and sampling, as appropriate, on a case-by-case basis during the next reporting period. Meetings regarding issues with Access Agreements with creek property owners will continue.

The June 2004, July 2004, and August 2004 CERCLA Removal Action Monthly Progress Reports were submitted during the 3rd quarter of 2004.

**3.0 SUMMARIES OF ALL CHANGES MADE IN THE
CORRECTIVE ACTION (CA) DURING THE REPORTING PERIOD**

The following changes were made to the CA during the reporting period.

- The RFI Work Plan Addendum No. 5 (Dye Tracer Study).
- The RFI Work Plan Addendum No. 6 and the Swallet Investigation Technical Memorandum (TM) was submitted to the U.S. EPA on September 27, 2004. Limited additional excavation was proposed within the TM to investigate, to the extent practicable, and gather additional information on the swallet configuration.
- The draft RFI Work Plan Addendum No. 7 and the Responses to U.S. EPA Comments on the draft work plan.

4.0 COMMUNITY RELATIONS

GM continues to maintain the toll free information telephone number. Individual meetings continue to be arranged to discuss sampling results with individual residents.

Quarterly meetings to review project status, both with the neighbors along the creek and around the plant, as well as with the general public, were held for this quarter on August 4 and 5, 2004, at the Facility. The public meeting slide presentation has been published on the web site at www.BedfordPowertrainCorrectiveAction.com. The next meetings are scheduled to occur on October 27 and 28, 2004.

One CLP meeting occurred in this quarter on August 6, 2004. The next regularly scheduled meeting with the Community Liaison Panel (CLP) is set for October 29, 2004. The CLP was formed to provide additional communication avenues for the community and the meetings are currently held at the GM plant roughly every two months. The CLP meeting minutes are posted on the GM website at www.BedfordPowertrainCorrectiveAction.com.

The Information Center, located at the plant lobby, is available by appointment through Ms. Becki Akers, GM Communications, at the project toll free number 866-223-0856. The repository located at the Bedford Public Library remains open at normal business hours. All data in the repository are also located on the aforementioned web site.

5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD

CRA has assigned an additional on-Site Health and Safety Officer to the project team. The additional Health and Safety Officer is currently on-Site daily during construction activities.

6.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD

Work projected for the next reporting period includes:

- Conduct the soil investigation pursuant to the RFI Work Plan Addendum No. 7, upon the U.S. EPA approval;
- Schedule and complete the sewer inspection at Parcel 400, pursuant to the RFI Work Plan Addendum No. 5;
- Complete the subsurface Swallet Investigation, as recommended in the Swallet Testing Technical Memorandum;
- Conduct a neighborhood meeting; scheduled for October 27, 2004;
- Conduct a general public information session; scheduled for October 28, 2004;
- Conduct a Community Liaison Panel Meeting; scheduled for October 29, 2004;
- Prepare and distribute Fact Sheet 9; currently projected to be in October 2004;
- Continue with Removal Action activities in the Upstream Parcels;
- Continue ongoing monthly monitoring of groundwater elevations measurements;
- Continue work as part of RFI Work Plan: Addendum No. 4 throughout the remainder of 2004;
- Continue the evaluation of RFI soil and groundwater to propose interim measures for various areas of the Facility;
- Submit the IM Work Plan for the East Plant area to U.S. EPA and IDEM for review;
- Submit an IM Work Plan for the areas west of GM Drive to U.S. EPA and IDEM for review;
- Implement the IM Work Plan for properties along the Western once approved by U.S. EPA;
- Submit a modified IM Work Plan for the Northern Tributary that includes the fill area in the remedy; and
- An additional dye trace study may be performed next quarter in the AOI 4 area

**7.0 COPIES OF DAILY REPORTS, INSPECTION REPORTS,
LABORATORY/MONITORING DATA**

Packages of analytical data from any sampling activity have been submitted as they become available, after validation, under separate cover, and will continue to be submitted during the next reporting period.