



**RCRA FACILITY INVESTIGATION
QUARTERLY PROGRESS REPORT #7**

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

EPA ID# IND006036099

**Prepared for:
GENERAL MOTORS CORPORATION**

**Prepared by:
Conestoga-Rovers
& Associates**

651 Colby Drive
Waterloo, Ontario
Canada N2V 1C2

Office: (519) 884-0510
Fax: (519) 884-0525

web: <http://www.CRAworld.com>

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QUARTERLY PROGRESS REPORT

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CRA Senior Engineer/Advisor	James McGuigan
CRA Project Manager	Bill Steinmann
Exponent	Pieter Booth/ Rick Bodishbaugh
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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. This report covers the period of the fourth calendar quarter of 2002 for the GM-Powertrain - Bedford Plant (Facility), Bedford, Indiana.

The next quarterly progress report will be submitted on or before April 15, 2003.

2.0 LIST OF COMPLETED ACTIVITIES

The following documents were prepared and distributed during this quarter (October 1, 2002 - December 31, 2002):

- Parcel 22 Work Plan - October 9, 2002
- Draft Upstream Parcel IM Work Plan - October 8, 2002
- Wetland Determination Report, Upstream Parcels 3-8, 10, 22, and 205 - October 10, 2002
- Letter to IDNR, Division of Water, Requesting permit exemption for upstream parcels - November 15, 2002
- Notification Letter/Request for Written Permit Exemption to IDEM, Office of Water Management (Section 401 Water Quality) for upstream parcels - November 15, 2002
- RCRA Facility Investigation (RFI) Work Plan Addendum No. 1 - November 18, 2002
- Permit Application to IDNR Division of Water for Parcel 22 - November 20, 2002
- Hydraulic Model of Upstream Parcels and Parcel 22 to IDNR, Division of Water - November 20, 2002
- Draft AOI 4 Information Package - November 26, 2002
- Sediment and Erosion Control Plan to IDNR, Division of Soil Conservation - December 2, 2002
- Off-Site Residential Well Survey and Sampling Technical Memorandum - December 9, 2002
- Updated Off-Site Residential Well Survey and Sampling Technical Memorandum - December 16, 2002
- RFI Work Plan Appendix A, Revised Project Management Plan (PMP) - December 18, 2002

On-site investigation activities from the RFI Work Plan, which commenced on December 17, 2001, continued during this reporting period. Multiple level groundwater monitoring wells (Waterloo System) were installed at three locations during this reporting period. Additional Waterloo Systems will be installed when received from the manufacturer. Additional subsurface drilling has been proposed (RFI

Work Plan Addendum No. 1, November 18, 2002) for both on and off-site locations. Rock core samples were submitted to Core Laboratory in Houston, Texas and tested for TOC, dry bulk, density, and porosity.

Additional off-site stream sampling activities were completed during this reporting period. As the validated analytical results from the stream sampling event along with a corresponding table summary and drawing showing sample locations were received, they were distributed to the property owners, the U.S. EPA, IDEM, the United States Fish and Wildlife Service (USFWS) and the Indiana State Department of Health (ISDH). Delivery of these packages will continue during the next reporting period.

An update to the Phase I Stream Investigation Technical Memorandum is being prepared, which will include the results of the re-sampling of select surface water locations during "high-flow" conditions. A Phase II Stream Sampling Activities Technical Memorandum also is being prepared, summarizing the results of the additional stream, flood plain, and spring sampling that has been conducted to delineate the extent of PCB impacted areas along the stream.

GM also continued to address specific sampling requests made by residents in this quarter, 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 agencies. GM will continue evaluating additional areas requested by residents, and sampling as appropriate on a case-by-case basis, during the next reporting period.

Examples of proposed PCB warning signs were submitted to U.S. EPA and IDEM. Upon approval, the signs have been posted where access was granted. The posted sign locations are included in Attachment 1.

A meeting to discuss permitting issues was held between the U.S. EPA, IDEM, IDNR, USFWS, the City of Bedford, Lawrence County Highway Department, and GM on October 2 and 3, 2002 at the GM Bedford Site field trailer.

A second meeting was held at the GM Bedford Site field trailer between the U.S. EPA, IDEM, and GM on December 13, 2002. U.S. EPA took a facility tour on December 11, 2002. A conference call between representatives from GM, U.S. EPA and IDEM occurred this quarter on December 18, 2002. The conference call discussed requirements for the 761.61(C) permit application.

3.0 SUMMARIES OF ALL CHANGES MADE IN THE RFI DURING THE REPORTING PERIOD

All sampling activities will be documented in the form of Technical Memoranda upon completion. Any changes made to the RFI after submission of this report will be documented during the next reporting period.

4.0 COMMUNITY RELATIONS

Ongoing community relations are conducted by GM by maintaining the toll free information telephone number. Additional information meetings were held with residents on the following dates:

- October 4, 2002 - CLP Meeting
- November 1, 2002 - CLP Meeting
- November 7, 2002 - Information Session for Property Owners along the Creek
- November 8, 2002 - Information Session for Property Owners Contiguous with Creek Properties (as defined in Plan B)
- November 20, 2002 - Information Session (Neighborhoods East, West, and South of Plant)
- November 21, 2002 - Information Session (Neighborhoods North of Plant, North Jackson Street)
- December 12, 2002 - GM Public General Information Session (see below)
- December 13, 2002 - CLP Meeting

Individual meetings continue to be arranged to discuss sampling results with individual residents. Additional articles have been published on the environmental activities at the site.

A public information session was held on December 12, 2002, at the Bedford North Lawrence High School in the school cafeteria. Approximately 60 people, including residents, media, U.S. EPA and IDEM, attended the public information session.

The Community Liaison Panel (CLP) was formed to provide additional communication avenues for the community and the meetings are held at the GM plant on a monthly basis. The CLP meeting minutes are posted on the GM website at www.BefordPowertrainCorrectiveAction.com. The last CLP meeting occurred on January 10, 2003.

The Information Center in the lobby of the plant is open on a regular schedule and staffed on Tuesdays from 10:00 a.m. to 2:00 p.m. and Thursdays from 4:00 p.m. to 8:00 p.m. Due to the holidays and the biannual plant shutdown, the Information Center was closed from December 18, 2002 through January 6, 2003. It reopened on January 7, 2003, at the regularly scheduled hours.

5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD

A summary of key project personnel was included in Quarterly Progress Report #4. Dr. Bernhard Kueper, Queen's University, Kingston, Ontario has joined the project team as an outside technical advisor to GM. Dr. Kueper is an expert in dense, non-aqueous phase liquid (DNAPL) investigations and remediation of groundwater where DNAPL is in fractured media.

Konnie Thessin with JF New & Associates has joined the project team to advise GM on the Indiana Bat and wetland issues.

Any changes in personnel during the next reporting period will be presented in the next Quarterly Progress Report.

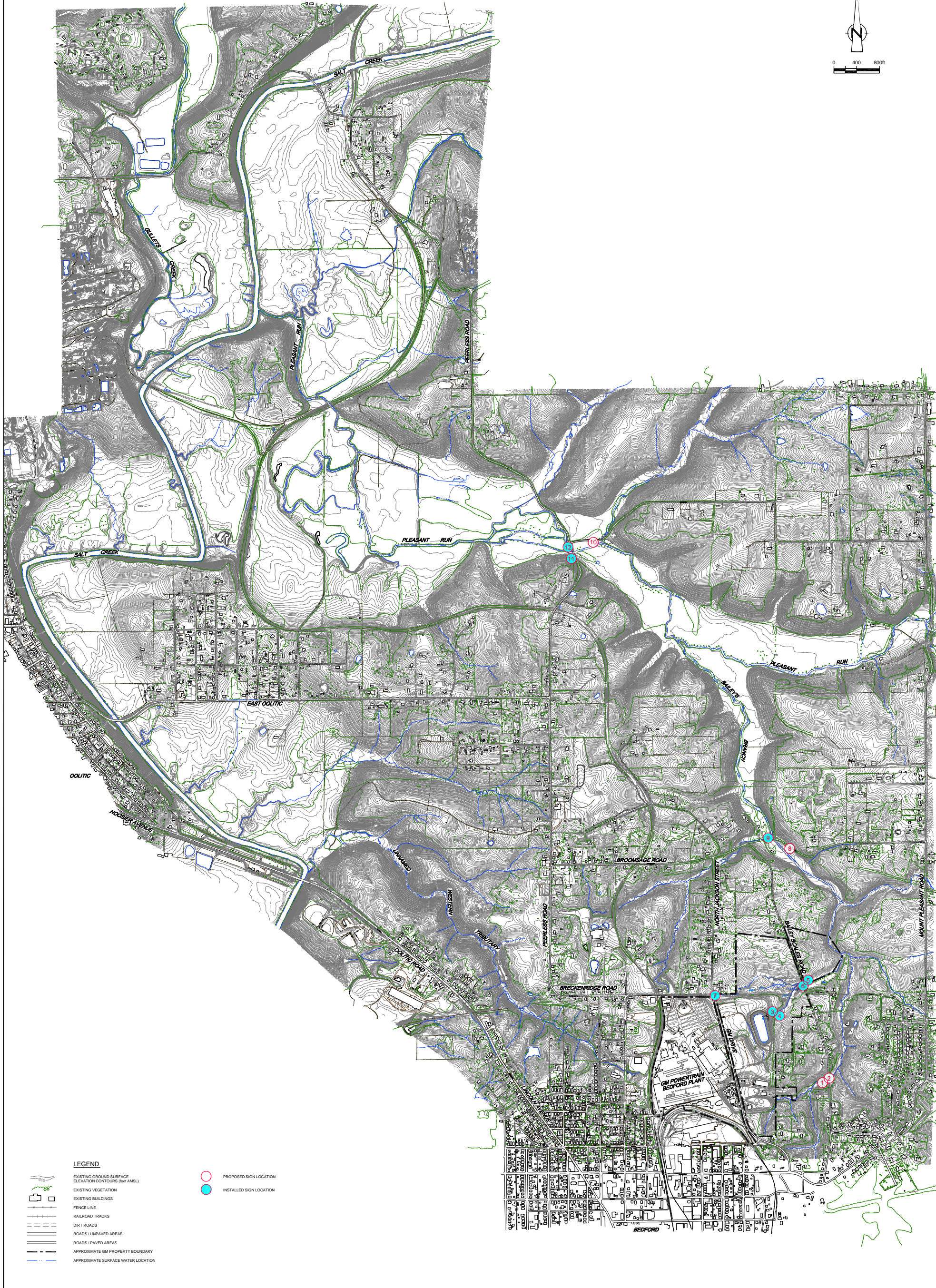
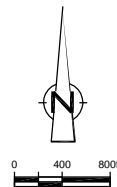
6.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD

Site investigation activities from the RFI Work Plan (e.g., well installations, groundwater sampling, etc.) and residential property sampling activities are expected to continue during the next reporting period. A test pit investigation program will be conducted to evaluate geophysical anomalies. Additional groundwater studies proposed in the RFI Addendum are anticipated to be initiated. Also, Interim Measures Work Plans are proposed for implementation during the next reporting period, once U.S. EPA concurrence is obtained. The update to the Phase I Stream Investigation Technical Memorandum, which will include the results of the re-sampling of select surface water locations during "high-flow" conditions and the Phase II Stream Sampling Activities Technical Memorandum will be submitted in the first quarter of calendar year 2003. Additional geologic information on the site will be presented to the U.S. EPA and IDEM at the end of January 2003 along with an application for a TSCA 761.61(C) application for the proposed Interim Measures. Once the Upstream Parcels Work Plan and the Parcel 22 Work Plan have been finalized with the agencies, the Midstream Parcels Work Plan will be submitted for review.

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

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

ATTACHMENT 1



LEGEND

- EXISTING GROUND SURFACE
- ELEVATION CONTOURS (FEET AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE SURFACE WATER LOCATION
- PROPOSED SIGN LOCATION
- INSTALLED SIGN LOCATION

NQ	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved _____

**GM POWERTRAIN
BEDFORD PLANT**

RFI QUARTERLY PROGRESS REPORT #7

PCB WARNING SIGN LOCATIONS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001

Project Manager: J.M.	Reviewed By: S.R.	Date: JANUARY 2003
Scale: AS SHOWN	Project N°: 13968-00	Report N°: 047
		Drawing N°: figure 1