

*GENERAL MOTORS CORPORATION*

**GM POWERTRAIN BEDFORD FACILITY  
105 GM DRIVE  
BEDFORD, INDIANA  
EPA ID #IND006036099**

*ADMINISTRATIVE ORDER ON CONSENT  
U.S. EPA DOCKET NO. V-W-'03-C-747  
REMOVAL ACTION*

**MONTHLY PROGRESS REPORT - JANUARY 2008**

**February 14, 2008**

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## 1.0 INTRODUCTION

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This Monthly Progress Report is submitted in accordance with the ADMINISTRATIVE ORDER ON CONSENT (AOC) FOR REMOVAL ACTION Proceeding Under Sections 104, 106(a), 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. SS 9604, 9606(a), 9607, and 9622 (United States Environmental Protection Agency (U.S. EPA) Docket No.: V-W-'03-C-747) effective July 31, 2003.

The next Monthly Progress Report, for the month of February 2008, will be submitted on or before March 15, 2008.

## 2.0 SIGNIFICANT DEVELOPMENTS IN THIS MONTH

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- Air monitoring has continued. Final validated results of the creek Removal Action (RA) air-monitoring program for January 2008 are presented in Table 1.1a (polychlorinated biphenyl (PCB) results) and Table 1.1b (total suspended particulate (TSP) Stations 25C, 28A, and 32B). The locations of the air monitoring stations in the Downstream Parcels are presented on Figure 1.
- Verification results are presented on Figures 2 through 20 to show progress as of this reporting period. Work completed in the parcels, as presented, is not complete as either additional excavation or statistical evaluation may be required to confirm the cleanup objective has been met. Verification figures for a given parcel are included in the monthly report as new data become available until all cleanup criteria are met, whereupon the figure is presented with validated data. Final verification figures will be presented in the Downstream Parcels Construction Certification Report.
- Work continued in January 2008 along the stream channel of Parcels 37, 38, 39 and 40 to remove impacted soil and sediment from the creek channel and floodplain. Confirmation sampling was conducted on the following excavated parcels:
  - Parcel 37 on January 21, 22, and 28, 2008, as presented on Figure 2.
  - Parcel 38 on January 10, 21, 22, and 28, 2008, as presented on Figures 3, 4, and 5.
  - Parcel 39 on January 3, 4, 9, 10, 18, 21, 22, 23, 24, 25, 30, and 31, 2008, as presented on Figures 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14.
  - Parcel 40 on January 3, 7, 11, 14, 22, 24, 28, 29, and 31, 2008, as presented on Figures 13, 14, 15, 16, 17, 18, 19, and 20.
  - Figures 21, 22, and 23, depict key-maps of verification area grids for the parcels sampled during this reporting period.
- Excavation of <50 mg/kg PCB material continued during January 2008, but no material was moved from the creek RA to the East Plant Area staging areas.

- A total of 1,351 tons of  $\geq 50$  mg/kg PCB material was excavated in January 2008 from the creek RA and disposed of at the Heritage Landfill in Roachdale, Indiana.
- A total of 134 tons of  $< 50$  mg/kg PCB tree stump and associated soil material was disposed of at the Sycamore Ridge Landfill in Terra Haute, Indiana.
- The summary of PCB soil disposal for January 2008 is presented in Table 2.1. The transportation and disposal summary for the  $\geq 50$  mg/kg PCB soil is presented in Table 2.1a. The transportation and disposal summary for the  $< 50$  mg/kg PCB soil and stump material is presented in Table 2.1b.
- Water within the remediation areas was collected and treated by ENTACT Environmental Services' (ENTACT's) and/or Severson Environmental Services' (SES's) on-Site water treatment systems. U.S. EPA has approved direct discharge of treated water from both ENTACT's treatment system at Staging Area F and SES's treatment system at Parcel 216 Staging Area. Water treatment sample results for ENTACT's and SES's treatment systems for January 2008 are provided in Table 3.1 and 3.2, respectively.
- Operation of Borrow Area 39-1 continued.
- Tree consolidation, chipping, and mulching continued.
- A conference call was held on January 8, 2008, with the U.S. EPA, Agency for Toxic Substance and Disease Registry (ATSDR), the Indiana Department of Environmental Management (IDEM), and the Indiana State Department of Health (ISDH) to discuss items related to the RA and the design and construction of the East Plant Area Interim Measures (IM). The United States Fish and Wildlife Service (USFWS) was also invited to the call.
- The Annual Project Status Meeting and Site Tour with the U.S. EPA and IDEM were held on January 24, 2008 in Bedford. At the Meeting the work completed in 2007 and the projected work and schedule for 2008 were discussed.
- On-Site construction meetings for the reporting period have been held informally daily and formally weekly. Meetings with SES are generally held on Wednesdays. SES meetings were held on January 2, 9, 16, 22, and 30, 2008. Meetings with ENTACT are held generally on Thursdays. ENTACT meetings were held on January 10, and 24, 2008.

### **3.0 SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS**

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- GM continues to evaluate the Spring 018 Area. This spring water is currently captured and treated before entering the creek. A report summarizing SSC Work Plan: Addendum No. 5, investigation/evaluation of the Spring 018 area will be prepared.
- Transport of  $< 50$  ppm soil from Staging Area G to the East Plant area has halted while additional areas in the East Plant Area where subgrade fill can be placed are evaluated.
- On January 8, 2008, an overflow at Wet Well 2 occurred when a pump which conveys the water to the treatment plant failed. An estimated maximum of 500 gallons of water was released to the ground surface immediately around the wet well. A reportable quantity for

PCBs was not exceeded and, in fact, we do not believe the water actually reached the creek. It also did not meet the definition of an emergency situation pursuant to Section XIII of the AOC. The wet well overflow was reported to IDEM on January 10, 2008 per the Plants National Pollutant Discharge Elimination System (NPDES) permit. A temporary pump was put in the wet well to pump water over to Wet Well 1, where it was then pumped to treatment. The Wet Well 2 pump has since been repaired.

- On January 30, 2008, water was observed to be discharging from storm water force main air pressure vent pipe. Water was discharged onto the surrounding ground but stopped approximately 100 yards from the creek. The incident was report to IDEM on January 31, 2008, per the Plant's NPDES permit requirements. The system has since been inspected and repaired.

#### **4.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD**

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- The following is a list of anticipated work for the next reporting period:
  - Continue excavation in the Downstream Parcels (ENTACT work area);
  - Continue operation of Borrow Area 39-1;
  - Continue tree consolidation, chipping, and mulching;
  - Continue road repair work, as needed;
  - Remove additional trees in work areas on Parcels 40 and 81;
  - Place <50 mg/kg RA soils from the creek in the approved East Plant Area fill areas; and
  - Dispose ≥50 mg/kg RA soils from the creek at the Heritage Landfill in Roachdale, Indiana.

















































































