RCRA FACILITY INVESTIGATION

QUARTERLY PROGRESS REPORT #24
FIRST QUARTER 2007

GM POWERTRAIN – BEDFORD FACILITY
105 GM DRIVE
BEDFORD, INDIANA

EPA ID# IND006036099

Prepared For:
General Motors Corporation

APRIL 13, 2007
REF. NO. 013968 (236)
This report is printed on recycled paper.

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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, and modified on October 1, 2002. This report covers the period of the first calendar quarter of 2007 for the GM Powertrain – Bedford Facility (Facility), Bedford, Indiana. Some of the activities conducted as part of the overall Resource Conservation and Recovery Act (RCRA) Corrective Action (CA) work are being addressed under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Removal Action (RA) 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 Second Quarter 2007, will be submitted on or before July 15, 2007.

2.0 LIST OF COMPLETED ACTIVITIES

The following activities took place and the following documents were prepared and distributed during this quarter:

- Conference calls were held with the U.S. EPA, Indiana Department of Environmental Management (IDEM), the Agency for Toxic Substance and Disease Registry (ATSDR) and Indiana State Department of Health (ISDH) on January 4, and 18, 2007; February 6, and 20, 2007; and March 13, and 27, 2007, to discuss project progress (United States Fish and Wildlife Service (USFWS) was also invited to attend the update calls);
- A meeting with the U.S. EPA and IDEM was held in Bedford, Indiana on January 25, 2007, to review the activities which took place in 2006 and to discuss the upcoming activities for 2007;
- Information sessions for the public were held on February 28, 2007; and March 1, 2007, at the Facility. The Community Liaison Panel (CLP) met March 2, 2007;
- Air monitoring was conducted in the East Plant Area during soil movement activities. Air monitoring results completed for work in the East Plant Area are presented on Tables 2.1 (PCB) and 2.2 (TSP). Figure 2.1 presents the sampling locations in the East Plant Area. PCB air monitoring results are reported to the U.S. EPA as the data become available. Preliminary air monitoring data for the East Plant Area were submitted to the U.S. EPA on January 3 and 10, 2007.
  - During the approximate three months of intrusive work near AOI 8 installing a sewer pipe for plan operations, one slight PCB exceedence was detected, March 29, 2007 (Table 2.1 – Group 14);
  - A revised request for modifications to the Ambient Air Quality Monitoring Plan (AAQMP) was submitted to the U.S. EPA and IDEM on January 9, 2007, in response to comments received from the U.S. EPA on December 22, 2006. The U.S. EPA approved this request on January 10, 2007;
  - Additional proposed changes to the East Plant Area AAQMP were submitted to the U.S. EPA and IDEM on February 1, 2007. These changes were conditionally approved by the U.S. EPA on February 6, 2007;
- Placement of creek RA <50 mg/kg PCB material in the East Plant Area continued during First Quarter of 2007;
- Repairs to the Leak Detection System (LDS) were completed January 16, 2007. The LDS rehabilitation was initiated as outlined, on January 22, 2007;

- Response to U.S. EPA comments from November 13, 2006, regarding the vault LDS Response Action Plan were submitted February 15, 2007. Comments from the U.S. EPA regarding this submission were received on February 21, 2007;
- Received comments from the U.S. EPA on March 1, 2007, regarding the East Plant Area Perimeter Collection Trench System (East Section), submitted to the U.S. EPA and IDEM on February 17, 2007;
- Fact Sheet 15 was sent out to the Public and U.S. EPA on February 27, 2007;
- Response to U.S. EPA comments from January 5, 2007, regarding the draft East Plant Area Cover System Design Report was submitted February 5, 2007:
  - Additional comments were received from the U.S. EPA on February 9, and 16, 2007, and a response was submitted February 23, 2007.
  - Response to comments received from IDEM on February 28, 2007, regarding the East Plant Area Cover System Design Report, was submitted March 23, 2007;
  - Approval for the Cover System design was granted March 28, 2007. The final design report will be submitted during the second quarter 2007;
- A figure presenting the proposed additional sampling locations on Parcel 201 was submitted on February 19, 2007. Comments and approval of the locations were received from the U.S. EPA on February 21, 2007:
  - Samples have been collected and additional delineation is being completed;
- Received comments from U.S. EPA on March 27, 2007, regarding the Draft Technical Memorandum, Addenda No. 3, 4, 5, 6, and 7 submitted on March 15, 2007;
- A figure presenting the additional well installation locations to be completed under RFI Work Plan Addendum No. 13 was submitted on January 18, 2007. Drilling for the installation of new groundwater monitoring wells continued during this reporting period, as identified in the approved RFI Work Plan Addendum No. 13. Additional drilling will continue during the next quarter for activities included under this Addendum;
- Groundwater sampling at newly installed wells at two residential properties, and at selected existing groundwater monitoring wells at the Facility began in March 2007. This sampling will continue into the next calendar quarter as new wells are installed and developed;
- Figures of the Northern Tributary, presenting locations of additional samples to be collected, were submitted on January 12, 2007. Figures were modified according to U.S. EPA comments and were resubmitted on January 23, 2007;

  - Applications for permits from IDEM and the U.S. Army Corps of Engineers (USACOE) to complete construction activities in wetlands within the Northern Tributary parcels were submitted January 29, 2007;
  - An application for a site specific Section 401 Water Quality Certification (WQC) was submitted to IDEM and public notice was posted February 28, 2007 through March 21, 2007. GM is waiting for IDEM to send an approval letter to USACOE;
  - Two additional access agreements are being obtained to finish the sampling and cleanup. Samples and cleanup can be completed/conducted once the access agreements are obtained (and permits are obtained);
- A figure of the Western Tributary, presenting locations of additional samples to be collected, was submitted to the U.S. EPA on February 9, 2007;
- Request for a Schedule Extension for the submittal of the final Corrective Measures Proposal (CMP) was submitted to the U.S. EPA on February 28, 2007. Approval for the extension was granted by the U.S. EPA on March 29, 2007.
- Confirmation was given to U.S. EPA on January 8, 2007, that no new on-site data exist that will change the EI CA725;
- A draft Groundwater Summary of data for the EI CA750 was submitted to the U.S. EPA on March 2, 2007; Comments from the U.S. EPA were received on March 16, 2007, regarding the proposed work;
- A meeting was held March 7, 2007, in Chicago to discuss the status of CA750 determination for the Facility. Notes prepared for the meeting, summarizing the evaluation process, were submitted to the U.S. EPA on March 13, 2007;
- A telephone conversation was held with the IDEM, Underground Storage Tank (UST) Division regarding former USTs in the South Piston Yard. Based on that conversation, additional data collected from that area under the RFI will be submitted during the next calendar quarter, along with a request for closure;
- U.S. EPA confirmed that GM is not responsible for providing manifests for shipments for internal consolidation of PCB materials prior to disposal in the permitted onsite vault, on February 6, 2007;
- East Plant construction meetings for the reporting period have been held informally daily and formally weekly. Meetings with ENTACT and SES to discuss the East Plant Area are typically held on Tuesdays. East Plant Area meetings were held on: January 2, 9, 16, and 30, 2007; February 6, 13, 20, and 27, 2007; and March 6, 13, 20, and 27, 2006. Minutes of these meetings are attached in Appendix B; and
- Stockpile Sampling & Water Treatment Plant (WTP) Results. Stockpile sampling and WTP sampling results were submitted to the U.S. EPA on January 3, 10, and 16,

2007; and February 28, 2007. Proposed changes to the current Stockpile Sampling Program were submitted to the U.S. EPA on February 1, 2007;

- U.S. EPA submitted comments regarding the proposed changes to the Stockpile Sampling Program on February 6, 2007;
- A conference call was held on March 5, 2007, to discuss the proposed stockpile sampling program;
- Partial approval of the proposed changes, received from the U.S. EPA on March 5, 2007. Proposed changes approved included:
  - Removal of material less than 50 ppm directly to the East Plant Area, provided that verification samples from these areas are no more than 25 ppm. No stockpile sampling is required;
- Approval of the remaining changes was given March 28, 2007, for all remaining RA soil:
  - Soil delineated <25 mg/kg PCBs to be transported directly to the East Plant Area;
  - Soil delineated as ≥25 mg/kg PCBs but <50 mg/kg PCBs will be stockpiled and sampled; and
  - Soil within a 50-foot perimeter of areas delineated ≥50 mg/kg PCBs will be stockpiled and sampled.

The December 2006, January 2007, and February 2007 CERCLA RA Monthly Progress Reports were submitted during the first quarter of 2007. Quarterly Progress Report #23 for the Fourth Quarter 2006 was submitted January 12, 2007.

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:

- Submission of preliminary East Plant air data, January 3, 2007;
- Submission of revised request for modifications to the AAQMP on January 9, 2007;
- Submission of preliminary East Plant air data, January 10, 2007;
- Submission of Quarterly Progress Report #23, January 12, 2007;
- Submission of Northern Tributary figures presenting locations for additional sampling on January 12, 2007;
- Submission of a figure presenting additional well installation locations to be completed under RFI Work Plan Addendum No. 13 on January 18, 2007;
- Submission of the LDS rehabilitation on January 22, 2007;
- Submission of revised Northern Tributary sampling locations figures on January 23, 2007;
- Submission of proposed changes to the East Plant Area AAQMP on February 1, 2007;
- Submission of proposed changes for a reduction in stockpile sampling relevant to activities on the East Plant Area was submitted February 1, 2007;
- Submission of Response to U.S. EPA comments regarding the draft East Plant Area Cover System Design Report on February 5, 2007;
- Submission of Western Tributary figure presenting additional sampling locations on February 9, 2007;
- Submission of Response to U.S. EPA comments regarding the vault LDS Response Action Plan on February 15, 2007;
- Submission of East Plant Area Perimeter Collection Trench System (East Section) on February 17, 2007;
- Submission of a figure presenting proposed additional sampling locations on Parcel 201 on February 19, 2007;
- Approval of the Parcel 201 sampling plan was granted by the U.S. EPA February 21, 2007;
- Submission of Response to U.S. EPA comments regarding the East Plant Area Cover System Design Report on February 23, 2007;

- Publication of Fact Sheet 15 on February 27, 2007;
- Submission of Request of Schedule Extension for submittal of the final Corrective Measures Proposal on February 28, 2007;
- Submission of Draft Groundwater Summary data relevant to the EI CA750 on March 2, 2007;
- Submission of Draft Technical Memorandum, Addenda No. 3, 4, 5, 6, and 7 on March 15, 2007;
- Submission of Response to IDEM comments on the East Plant Area Cover System Design Report on March 23, 2007;
- Approval for the East Plant Area Cover System design was granted on March 28, 2007;
- Approval for a reduction in stockpile sampling was granted on March 28, 2007; and
- Approval for extension to the final CMP was granted by the U.S. EPA on March 29, 2007.

4.0 COMMUNITY RELATIONS

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

Quarterly meetings to review project status, are held both with the neighbors along the creek and around the plant, as well as with the general public. Quarterly meetings were held during this reporting period on February 28, 2007 and March 1, 2007, at the Facility. The meetings were held from 6:30 PM to 8:00 PM at the Bedford Facility as a regular information session. Presentations for the meetings are posted on the web site at www.bedfordpowertraincorrectiveaction.com. The next set of public meetings will be held June 6 and 7, 2007.

Fact Sheet 15 was issued February 20, 2007.

The CLP meeting occurred in this quarter on March 2, 2007. The CLP was formed to provide additional communication avenues for the community and the meetings are currently being held at the GM Facility approximately every three months or more frequently if information on the project changes significantly. The CLP meeting minutes are posted on the GM website at www.bedfordpowertraincorrectiveaction.com. The next CLP meeting will be scheduled for spring 2007 on a date to be determined.

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

A number of field personnel have been rotated in and out of the field activities.

6.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD

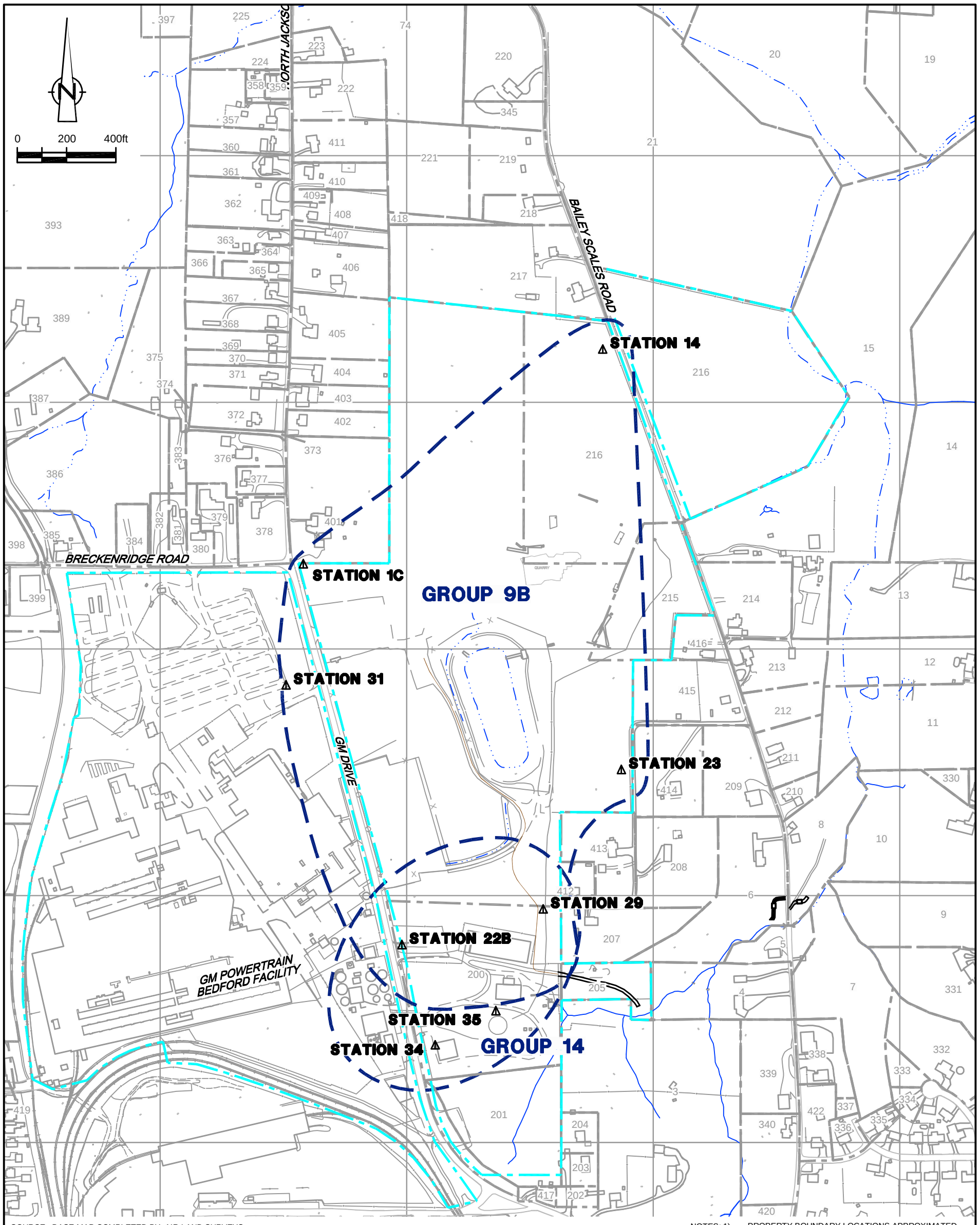
Work projected for the next reporting period includes:

- Conducting a neighborhood information session in June 6, 2007;
- Conducting a general public information session in June 7, 2007;
- Conducting a Community Liaison Panel Meeting in June 8, 2007;
- Preparing and distributing Fact Sheet 16 in the next quarter;
- Continuing with RA activities on Parcel 22 and downstream parcels;
- Continuing the evaluation of RFI soil and groundwater data;
- Continuing sampling and well installation for RFI Work Plan: Addendum No. 13;
- Continuing removal in and work on the Western Tributary IM Construction Certification Report;
- Commencing Northern Tributary IM Work Plan;
- Submitting the West Plant Area IM Work Plan for the Plant property areas west of GM Drive;
- Submitting an IM Work Plan for Parcel 400;
- Assessing delineation samples on Parcel 201 relevant to the EI CA725;
- Submitting additional data collected under the RFI Addendum No. 10 to the IDEM-UST Division, along with a request for closure;
- Completion of >50 placement in the vault and initiation of the vault cover;
- Continuation of placement of the < 50 mg/kg PCB Removal Action soils in the East Plant Area as grading fill beneath the landfill cover system;
- Submitting the Final (100%) East Plant Area Cover System Design report; and
- Submitting an investigation work plan for the NAPL in and south of AOI 8.

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

Figure 7.1 presents additional delineation sample locations along the Northern Tributary on Parcels 76, 386, 389 and 393 (analytical results on Table 7.1). Figure 7.2 presents additional delineation sample locations along the Western Tributary on Parcels 53 and 54 (analytical results on Table 7.2).

Packages of analytical data from creek remediation verification sampling have been submitted monthly as they become available, after validation, in the monthly reports prepared for the CERCLA AOC, and will continue to be submitted during the next reporting period. Any other sampling data collected during the quarter will be submitted under separate cover once validation is completed.



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

LEGEND

- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- STATION 3 — AIR SAMPLING LOCATION
- AIR SAMPLING GROUP

NOTES: 1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS . LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

2) STATION 1C REPLACES STATION 1B, JUNE 2006

3) STATION 14 IS TSP ONLY
STATION 31 IS PCB ONLY

figure 2.1

EAST PLANT AREA AIR MONITORING STATIONS
QUARTERLY PROGRESS REPORT No.24
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

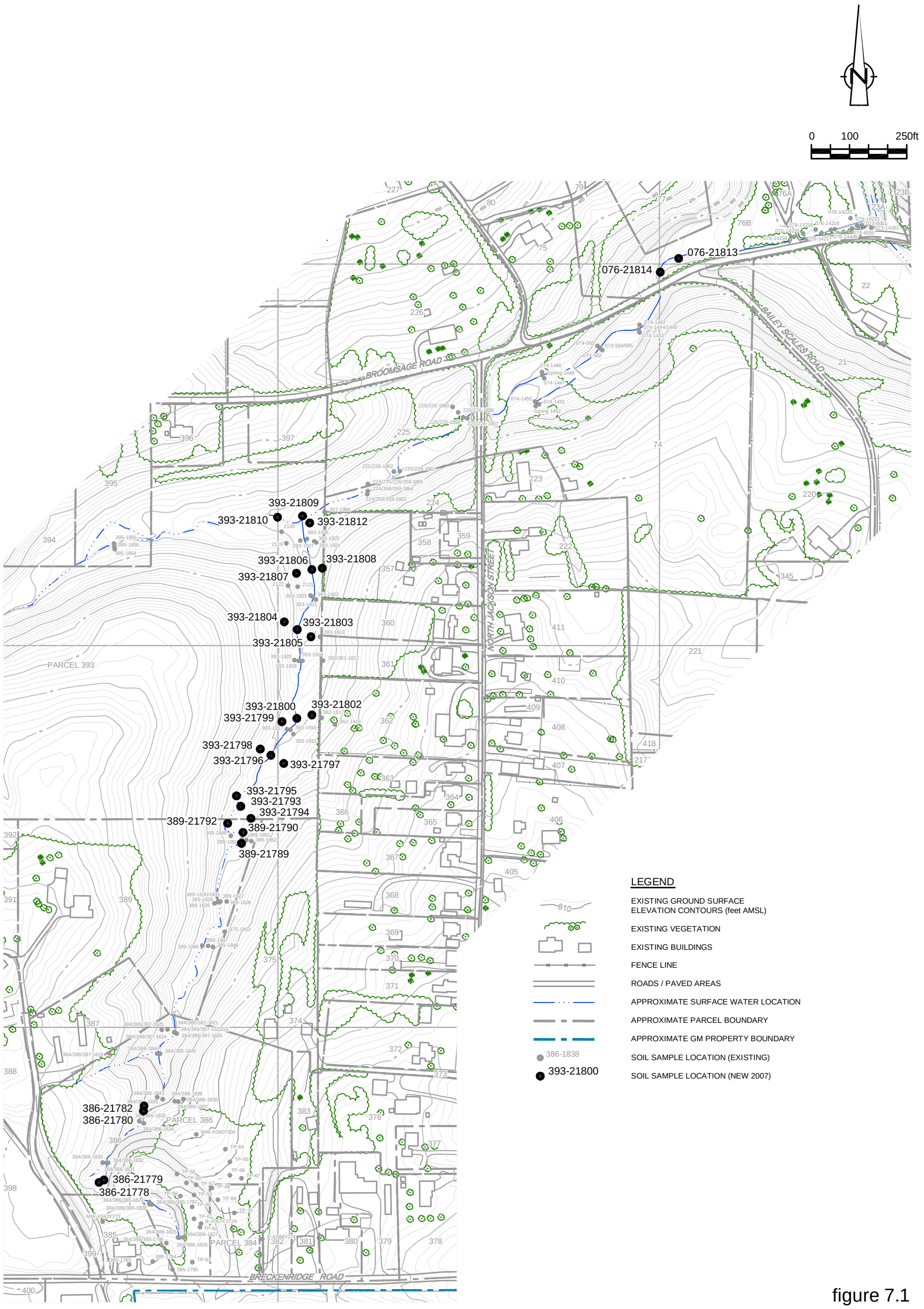
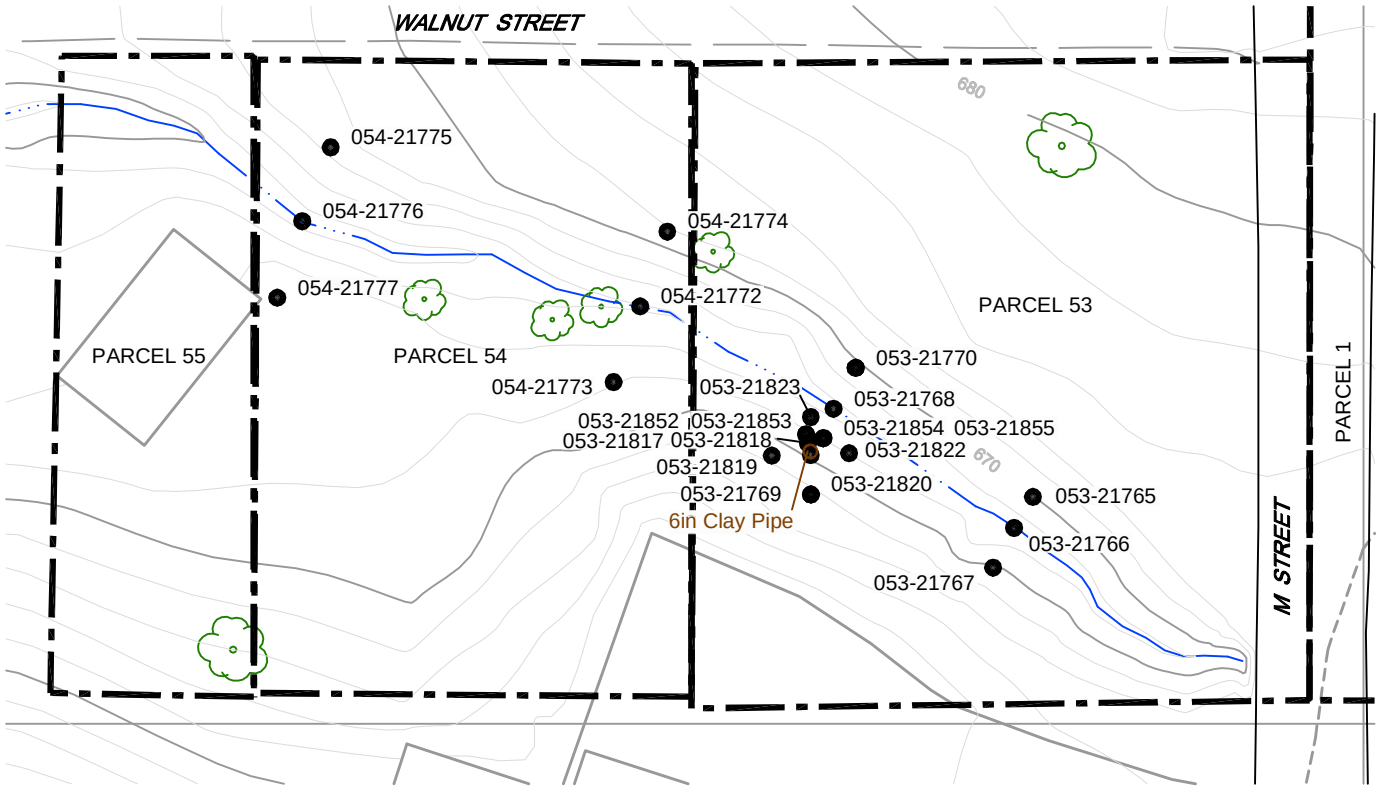


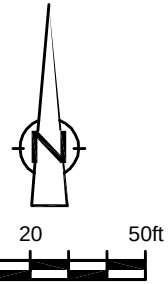
figure 7.1

SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI, APRIL 2001

NOTE: PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

ADDITIONAL NORTHERN TRIBUTARY DELINEATION SAMPLES
QUARTERLY PROGRESS REPORT No.24
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana





LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) (610)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- 053-21770 SOIL SAMPLE LOCATION (2007)

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

NOTE: PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

figure 7.2

ADDITIONAL WESTERN TRIBUTARY DELINEATION SAMPLES
QUARTERLY PROGRESS REPORT No.24
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana

TABLE 2.1 - GROUP 9B

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 1C PUF-16*	*STATION 14 PUF-12(PUF-4)*	*STATION 22B PUF-18*	*STATION 23 PUF-2*	*STATION 29 PUF-5*	*STATION 30 PUF-17*	*STATION 31 PUF-6*
1/2/2007							
Total Volume(m3)	395	383(423)	395	301	442	407	408
Total PCB Mass(ug)	39	9.6(9.2)	6.7	2	6.1	30	14
PCB Concentration(ug/m3)	0.0987	0.0251(0.0217)	0.017	0.0066	0.0138	0.0737	0.0343
Percent of Allowable(%)	10	3(2)	2	1	1	7	3
1/3/2007							
Total Volume(m3)	444	409(465)	390	315	425	371	387
Total PCB Mass(ug)	17	22(20)	6.1	2.5	4.4	27	5.6
PCB Concentration(ug/m3)	0.0383	0.0538(0.043)	0.0156	0.0079	0.0104	0.0728	0.0145
Percent of Allowable(%)	4	5(4)	2	1	1	7	1
1/4/2007							
Total Volume(m3)	463	424(410)	376	315	427	319	376
Total PCB Mass(ug)	38	31(28)	6.5	3.2	4.5	38	5.6
PCB Concentration(ug/m3)	0.0821	0.0731(0.0683)	0.0173	0.0102	0.0105	0.1191	0.0149
Percent of Allowable(%)	8	7(7)	2	1	1	12	1
1/5/2007							
Total Volume(m3)	435	422(422)	375	318	429	419	377
Total PCB Mass(ug)	23	9.7(10)	4.8	7.6	7.6	12	6.8
PCB Concentration(ug/m3)	0.0529	0.023(0.0237)	0.0128	0.0239	0.0177	0.0286	0.018
Percent of Allowable(%)	5	2(2)	1	2	2	3	2
1/6/2007							
Total Volume(m3)	527	487(469)	441	356	501	485	461
Total PCB Mass(ug)	9.6	0(0)	9.7	10	17	0	22
PCB Concentration(ug/m3)	0.0182	0(0)	0.022	0.0281	0.0339	0	0.0477
Percent of Allowable(%)	2	0(0)	2	3	3	0	5

TABLE 2.1 - GROUP 9B

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 1C PUF-16*	*STATION 14 PUF-12(PUF-4)*	*STATION 22B PUF-18*	*STATION 23 PUF-2*	*STATION 29 PUF-5*	*STATION 30 PUF-17*	*STATION 31 PUF-6*
1/8/2007							
Total Volume(m3)	388	349(348)	287	266	401	381	377
Total PCB Mass(ug)	0.9	5.4(4.7)	0.6	3.7	7.1	3.9	0.6
PCB Concentration(ug/m3)	0.0023	0.0155(0.0135)	0.0021	0.0139	0.0177	0.0102	0.0016
Percent of Allowable(%)	0	2(1)	0	1	2	1	0
1/9/2007							
Total Volume(m3)	425	455(426)	406	334	458	404	397
Total PCB Mass(ug)	0	0.7(0.6)	1.1	6.6	9.7	0.6	0
PCB Concentration(ug/m3)	ND(0.0012)	0.0015(0.0014)	0.0027	0.0198	0.0212	0.0015	ND(0.0013)
Percent of Allowable(%)	0	0(0)	0	2	2	0	0
1/10/2007							
Total Volume(m3)	448	427(426)	386	382	441	425	399
Total PCB Mass(ug)	19	2.9(2.5)	9	1.4	1.8	12	1.3
PCB Concentration(ug/m3)	0.0424	0.0068(0.0059)	0.0233	0.0037	0.0041	0.0282	0.0033
Percent of Allowable(%)	4	1(1)	2	0	0	3	0
1/11/2007							
Total Volume(m3)	434	431(416)	354	368	422	416	390
Total PCB Mass(ug)	6	37(33)	3	1.9	3	32	1.6
PCB Concentration(ug/m3)	0.0138	0.0858(0.0793)	0.0085	0.0052	0.0071	0.0769	0.0041
Percent of Allowable(%)	1	9(8)	1	1	1	8	0
1/12/2007							
Total Volume(m3)	469	433(403)	379	387	448	401	385
Total PCB Mass(ug)	9.7	47(41)	10	9.2	13	41	3.2
PCB Concentration(ug/m3)	0.0207	0.1085(0.1017)	0.0264	0.0238	0.029	0.1022	0.0083
Percent of Allowable(%)	2	11(10)	3	2	3	10	1

TABLE 2.1 - GROUP 9B

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 1C PUF-16*	*STATION 14 PUF-12(PUF-4)*	*STATION 22B PUF-18*	*STATION 23 PUF-2*	*STATION 29 PUF-5*	*STATION 30 PUF-17*	*STATION 31 PUF-6*
1/17/2007							
Total Volume(m3)	428	NR(NR)	NR	NR	NR	NR	NR
Total PCB Mass(ug)	25	NR(NR)	NR	NR	NR	NR	NR
PCB Concentration(ug/m3)	0.0584	NR(NR)	NR	NR	NR	NR	NR
Percent of Allowable(%)	6	NR(NR)	NR	NR	NR	NR	NR
1/18/2007							
Total Volume(m3)	NR	NR(NR)	NR	389	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	5.8	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	0.0149	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	1	NR	NR	NR
1/19/2007							
Total Volume(m3)	NR	NR(NR)	NR	409	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	6.8	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	0.0166	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	2	NR	NR	NR
1/20/2007							
Total Volume(m3)	NR	NR(NR)	NR	NR	NR	NR	476
Total PCB Mass(ug)	NR	NR(NR)	NR	NR	NR	NR	33
PCB Concentration(ug/m3)	NR	NR(NR)	NR	NR	NR	NR	0.0693
Percent of Allowable(%)	NR	NR(NR)	NR	NR	NR	NR	7
1/22/2007							
Total Volume(m3)	NR	NR(NR)	NR	384	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	9.6	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	0.025	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	2	NR	NR	NR

TABLE 2.1 - GROUP 9B

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 1C PUF-16*	*STATION 14 PUF-12(PUF-4)*	*STATION 22B PUF-18*	*STATION 23 PUF-2*	*STATION 29 PUF-5*	*STATION 30 PUF-17*	*STATION 31 PUF-6*
1/23/2007							
Total Volume(m3)	NR	NR(NR)	NR	376	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	4.2	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	0.0112	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	1	NR	NR	NR
1/24/2007							
Total Volume(m3)	NR	NR(NR)	NR	NR	445	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	NR	18	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	NR	0.0404	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	NR	4	NR	NR
1/25/2007							
Total Volume(m3)	NR	NR(NR)	NR	NR	471	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	NR	10	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	NR	0.0212	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	NR	2	NR	NR
1/26/2007							
Total Volume(m3)	468	NR(NR)	NR	NR	NR	NR	NR
Total PCB Mass(ug)	1.3	NR(NR)	NR	NR	NR	NR	NR
PCB Concentration(ug/m3)	0.0028	NR(NR)	NR	NR	NR	NR	NR
Percent of Allowable(%)	0	NR(NR)	NR	NR	NR	NR	NR
1/27/2007							
Total Volume(m3)	NR	NR(NR)	NR	439	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	7.8	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	0.0178	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	2	NR	NR	NR

TABLE 2.1 - GROUP 9B

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 1C PUF-16*	*STATION 14 PUF-12(PUF-4)*	*STATION 22B PUF-18*	*STATION 23 PUF-2*	*STATION 29 PUF-5*	*STATION 30 PUF-17*	*STATION 31 PUF-6*
1/29/2007							
Total Volume(m3)	455	NR(NR)	NR	NR	NR	NR	NR
Total PCB Mass(ug)	0.75	NR(NR)	NR	NR	NR	NR	NR
PCB Concentration(ug/m3)	0.0016	NR(NR)	NR	NR	NR	NR	NR
Percent of Allowable(%)	0	NR(NR)	NR	NR	NR	NR	NR
1/30/2007							
Total Volume(m3)	NR	NR(NR)	NR	436	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	2.6	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	0.006	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	1	NR	NR	NR
1/31/2007							
Total Volume(m3)	355	NR(NR)	NR	NR	NR	NR	NR
Total PCB Mass(ug)	0.79	NR(NR)	NR	NR	NR	NR	NR
PCB Concentration(ug/m3)	0.0022	NR(NR)	NR	NR	NR	NR	NR
Percent of Allowable(%)	0	NR(NR)	NR	NR	NR	NR	NR
2/1/2007							
Total Volume(m3)	NR	NR(NR)	NR	392	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	2.9	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	0.0074	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	1	NR	NR	NR
2/2/2007							
Total Volume(m3)	NR	NR(NR)	NR	401	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	2.2	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	0.0055	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	1	NR	NR	NR

TABLE 2.1 - GROUP 9B

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 1C PUF-16*	*STATION 14 PUF-12(PUF-4)*	*STATION 22B PUF-18*	*STATION 23 PUF-2*	*STATION 29 PUF-5*	*STATION 30 PUF-17*	*STATION 31 PUF-6*
2/3/2007							
Total Volume(m3)	NR	NR(NR)	NR	36	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	*	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	*	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	*	NR	NR	NR
2/8/2007							
Total Volume(m3)	NR	NR(NR)	NR	NR	475	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	NR	3.6	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	NR	0.0076	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	NR	1	NR	NR
2/9/2007							
Total Volume(m3)	NR	NR(NR)	NR	NR	510	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	NR	3.5	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	NR	0.0069	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	NR	1	NR	NR
2/10/2007							
Total Volume(m3)	NR	NR(NR)	461	NR	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	15	NR	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	0.0325	NR	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	3	NR	NR	NR	NR
2/12/2007							
Total Volume(m3)	NR	NR(NR)	238	NR	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	*	NR	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	*	NR	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	*	NR	NR	NR	NR

TABLE 2.1 - GROUP 9B

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 1C PUF-16*	*STATION 14 PUF-12(PUF-4)*	*STATION 22B PUF-18*	*STATION 23 PUF-2*	*STATION 29 PUF-5*	*STATION 30 PUF-17*	*STATION 31 PUF-6*
2/15/2007							
Total Volume(m3)	NR	NR(NR)	NR	423	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	1.6	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	0.0038	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	0	NR	NR	NR
2/16/2007							
Total Volume(m3)	382	NR(NR)	NR	NR	NR	NR	NR
Total PCB Mass(ug)	1.2	NR(NR)	NR	NR	NR	NR	NR
PCB Concentration(ug/m3)	0.0031	NR(NR)	NR	NR	NR	NR	NR
Percent of Allowable(%)	0	NR(NR)	NR	NR	NR	NR	NR
2/19/2007							
Total Volume(m3)	397	NR(NR)	NR	NR	NR	NR	NR
Total PCB Mass(ug)	1.2	NR(NR)	NR	NR	NR	NR	NR
PCB Concentration(ug/m3)	0.003	NR(NR)	NR	NR	NR	NR	NR
Percent of Allowable(%)	0	NR(NR)	NR	NR	NR	NR	NR
2/20/2007							
Total Volume(m3)	NR	NR(NR)	380	NR	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	29	NR	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	0.0763	NR	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	8	NR	NR	NR	NR
2/21/2007							
Total Volume(m3)	384	NR(NR)	NR	NR	NR	NR	NR
Total PCB Mass(ug)	19	NR(NR)	NR	NR	NR	NR	NR
PCB Concentration(ug/m3)	0.0495	NR(NR)	NR	NR	NR	NR	NR
Percent of Allowable(%)	5	NR(NR)	NR	NR	NR	NR	NR

TABLE 2.1 - GROUP 9B

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 1C PUF-16*	*STATION 14 PUF-12(PUF-4)*	*STATION 22B PUF-18*	*STATION 23 PUF-2*	*STATION 29 PUF-5*	*STATION 30 PUF-17*	*STATION 31 PUF-6*
2/22/2007							
Total Volume(m3)	NR	NR(NR)	NR	NR	453	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	NR	28	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	NR	0.0618	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	NR	6	NR	NR
2/23/2007							
Total Volume(m3)	NR	NR(NR)	420	NR	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	55	NR	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	0.131	NR	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	13	NR	NR	NR	NR
2/26/2007							
Total Volume(m3)	NR	NR(NR)	NR	351	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	NR	5.9	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	NR	0.0168	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	NR	2	NR	NR	NR
3/7/2007							
Total Volume(m3)	NR	NR(NR)	375	NR	NR	NR	NR
Total PCB Mass(ug)	NR	NR(NR)	10	NR	NR	NR	NR
PCB Concentration(ug/m3)	NR	NR(NR)	0.0267	NR	NR	NR	NR
Percent of Allowable(%)	NR	NR(NR)	3	NR	NR	NR	NR
3/12/2007							
Total Volume(m3)	*	NR(NR)	NR	NR	NR	NR	NR
Total PCB Mass(ug)	*	NR(NR)	NR	NR	NR	NR	NR
PCB Concentration(ug/m3)	*	NR(NR)	NR	NR	NR	NR	NR
Percent of Allowable(%)	*	NR(NR)	NR	NR	NR	NR	NR

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 1C* *PUF-16*	*STATION 14* *PUF-12(PUF-4)*	*STATION 22B* *PUF-18*	*STATION 23* *PUF-2*	*STATION 29* *PUF-5*	*STATION 30* *PUF-17*	*STATION 31* *PUF-6*
3/27/2007							
Total Volume(m3)	NR	NR(NR)	NR	NR	NR	NR	387
Total PCB Mass(ug)	NR	NR(NR)	NR	NR	NR	NR	91
PCB Concentration(ug/m3)	NR	NR(NR)	NR	NR	NR	NR	0.2351
Percent of Allowable(%)	NR	NR(NR)	NR	NR	NR	NR	24

Notes:
* - Results not reported due to machine malfunction
NR - No result because machine was not setup

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 22B PUF-18*	*STATION 29 PUF-5*	*STATION 34 PUF-17*	*STATION 35 PUF-12*
1/29/2007				
Total Volume(m3)	398	464	358	289
Total PCB Mass(ug)	0.78	6.1	0	7.3
PCB Concentration(ug/m3)	0.002	0.0131	ND(0.0014)	0.0253
Percent of Allowable(%)	0	1	0	3
1/30/2007				
Total Volume(m3)	429	491	451	370
Total PCB Mass(ug)	2	3.8	0	12
PCB Concentration(ug/m3)	0.0047	0.0077	ND(0.0011)	0.0324
Percent of Allowable(%)	0	1	0	3
1/31/2007				
Total Volume(m3)	406	438	435	349
Total PCB Mass(ug)	3.8	3.7	0	2.6
PCB Concentration(ug/m3)	0.0094	0.0084	ND(0.0011)	0.0074
Percent of Allowable(%)	1	1	0	1
2/1/2007				
Total Volume(m3)	399	456	421	338
Total PCB Mass(ug)	1.5	6.7	1.8	4.8
PCB Concentration(ug/m3)	0.0038	0.0147	0.0043	0.0142
Percent of Allowable(%)	0	1	0	1
2/2/2007				
Total Volume(m3)	411	448	416	318
Total PCB Mass(ug)	0	2.1	0	2.1
PCB Concentration(ug/m3)	ND(0.0012)	0.0047	ND(0.0012)	0.0066
Percent of Allowable(%)	0	0	0	1
2/8/2007				
Total Volume(m3)	426	475	507	350
Total PCB Mass(ug)	0	3.6	3.7	6.5
PCB Concentration(ug/m3)	ND(0.0012)	0.0076	0.0073	0.0186
Percent of Allowable(%)	0	1	1	2
2/9/2007				
Total Volume(m3)	463	510	472	356
Total PCB Mass(ug)	0	3.5	5.8	12
PCB Concentration(ug/m3)	ND(0.0011)	0.0069	0.0123	0.0337
Percent of Allowable(%)	0	1	1	3

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 22B* *PUF-18*	*STATION 29* *PUF-5*	*STATION 34* *PUF-17*	*STATION 35* *PUF-12*
2/10/2007				
Total Volume(m3)	461	521	477	365
Total PCB Mass(ug)	15	5.5	9.8	11
PCB Concentration(ug/m3)	0.0325	0.0106	0.0205	0.0301
Percent of Allowable(%)	3	1	2	3
2/12/2007				
Total Volume(m3)	238	458	421	319
Total PCB Mass(ug)	*	1.8	3.4	3.1
PCB Concentration(ug/m3)	*	0.0039	0.0081	0.0097
Percent of Allowable(%)	*	0	1	1
2/15/2007				
Total Volume(m3)	465	500	500	363
Total PCB Mass(ug)	0	5	4.5	15
PCB Concentration(ug/m3)	ND(0.0011)	0.01	0.009	0.0413
Percent of Allowable(%)	0	1	1	4
2/16/2007				
Total Volume(m3)	420	466	442	340
Total PCB Mass(ug)	2.6	4.4	0	3.3
PCB Concentration(ug/m3)	0.0062	0.0094	ND(0.0011)	0.0097
Percent of Allowable(%)	1	1	0	1
2/17/2007				
Total Volume(m3)	420	469	448	331
Total PCB Mass(ug)	0	2.4	4	13
PCB Concentration(ug/m3)	ND(0.0012)	0.0051	0.0089	0.0393
Percent of Allowable(%)	0	1	1	4
2/19/2007				
Total Volume(m3)	434	445	408	310
Total PCB Mass(ug)	1.9	7.6	0.6	3.3
PCB Concentration(ug/m3)	0.0044	0.0171	0.0015	0.0106
Percent of Allowable(%)	0	2	0	1
2/20/2007				
Total Volume(m3)	380	431	393	313
Total PCB Mass(ug)	29	38	57	34
PCB Concentration(ug/m3)	0.0763	0.0882	0.145 J	0.1086
Percent of Allowable(%)	8	9	14	11

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 22B PUF-18*	*STATION 29 PUF-5*	*STATION 34 PUF-17*	*STATION 35 PUF-12*
2/21/2007				
Total Volume(m3)	395	435	398	353
Total PCB Mass(ug)	32	17	19	54
PCB Concentration(ug/m3)	0.081	0.0391	0.0477	0.153
Percent of Allowable(%)	8	4	5	15
2/22/2007				
Total Volume(m3)	413	453	407	334
Total PCB Mass(ug)	14	28	11	58
PCB Concentration(ug/m3)	0.0339	0.0618	0.027	0.1737
Percent of Allowable(%)	3	6	3	17
2/23/2007				
Total Volume(m3)	420	NR	NR	NR
Total PCB Mass(ug)	55	NR	NR	NR
PCB Concentration(ug/m3)	0.131	NR	NR	NR
Percent of Allowable(%)	13	NR	NR	NR
2/27/2007				
Total Volume(m3)	426	489	421	323
Total PCB Mass(ug)	26	19	25	33
PCB Concentration(ug/m3)	0.061	0.0389	0.0594	0.1022
Percent of Allowable(%)	6	4	6	10
2/28/2007				
Total Volume(m3)	410	459	390	315
Total PCB Mass(ug)	110	2.9	5	6.3
PCB Concentration(ug/m3)	0.2683	0.0063	0.0128	0.02
Percent of Allowable(%)	27	1	1	2
3/2/2007				
Total Volume(m3)	408	429	405	321
Total PCB Mass(ug)	8.2	17	1.7	15
PCB Concentration(ug/m3)	0.0201	0.0396	0.0042	0.0467
Percent of Allowable(%)	2	4	0	5
3/3/2007				
Total Volume(m3)	393	394	406	311
Total PCB Mass(ug)	0.7	0	0	24
PCB Concentration(ug/m3)	0.0018	ND(0.0013)	ND(0.0012)	0.0772
Percent of Allowable(%)	0	0	0	8

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 22B* *PUF-18*	*STATION 29* *PUF-5*	*STATION 34* *PUF-17*	*STATION 35* *PUF-12*
3/4/2007				
Total Volume(m3)	439	471	NR	326
Total PCB Mass(ug)	0.82	15	NR	19
PCB Concentration(ug/m3)	0.0019	0.0318	NR	0.0583
Percent of Allowable(%)	0	3	NR	6
3/5/2007				
Total Volume(m3)	375	388	364	314
Total PCB Mass(ug)	5.5	14	23	34
PCB Concentration(ug/m3)	0.0147	0.0361	0.0632	0.1083
Percent of Allowable(%)	1	4	6	11
3/6/2007				
Total Volume(m3)	406	393	413	325
Total PCB Mass(ug)	45	3.4	19	7.8
PCB Concentration(ug/m3)	0.1108	0.0087	0.046	0.024
Percent of Allowable(%)	11	1	5	2
3/7/2007				
Total Volume(m3)	375	401	419	466
Total PCB Mass(ug)	10	3.8	57	14
PCB Concentration(ug/m3)	0.0267	0.0095	0.136	0.03
Percent of Allowable(%)	3	1	14	3
3/8/2007				
Total Volume(m3)	407	413	431	476
Total PCB Mass(ug)	56	6.7	23	30
PCB Concentration(ug/m3)	0.1376	0.0162	0.0534	0.063
Percent of Allowable(%)	14	2	5	6
3/12/2007				
Total Volume(m3)	399	423	452	490
Total PCB Mass(ug)	11	40	3.2	33
PCB Concentration(ug/m3)	0.0276	0.0946	0.0071	0.0673
Percent of Allowable(%)	3	9	1	7
3/13/2007				
Total Volume(m3)	373	382	385	438
Total PCB Mass(ug)	6	78	0	19
PCB Concentration(ug/m3)	0.0161	0.2042	ND(0.0013)	0.0434
Percent of Allowable(%)	2	20	0	4

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 22B PUF-18*	*STATION 29 PUF-5*	*STATION 34 PUF-17*	*STATION 35 PUF-12*
3/14/2007				
Total Volume(m3)	367	386	0	462
Total PCB Mass(ug)	22	52	*	28
PCB Concentration(ug/m3)	0.0599	0.1347	*	0.0606
Percent of Allowable(%)	6	13	*	6
3/15/2007				
Total Volume(m3)	410	418	414	446
Total PCB Mass(ug)	7.2	2.1	22	7
PCB Concentration(ug/m3)	0.0176	0.005	0.0531	0.0157
Percent of Allowable(%)	2	0	5	2
3/16/2007				
Total Volume(m3)	176	400	434	448
Total PCB Mass(ug)	*	12	75	45
PCB Concentration(ug/m3)	*	0.03	0.1728 J	0.1004
Percent of Allowable(%)	*	3	17	10
3/17/2007				
Total Volume(m3)	NR	487	363	547
Total PCB Mass(ug)	NR	18	51	98
PCB Concentration(ug/m3)	NR	0.037	0.1405	0.1792
Percent of Allowable(%)	NR	4	14	18
3/19/2007				
Total Volume(m3)	389	405	524	442
Total PCB Mass(ug)	42	37	45	54
PCB Concentration(ug/m3)	0.108	0.0914	0.0859	0.1222
Percent of Allowable(%)	11	9	9	12
3/20/2007				
Total Volume(m3)	381	380	332	429
Total PCB Mass(ug)	260	4.4	16	11
PCB Concentration(ug/m3)	0.6824	0.0116	0.0482	0.0256
Percent of Allowable(%)	68	1	5	3
3/21/2007				
Total Volume(m3)	6	381	395	428
Total PCB Mass(ug)	*	31	1.5	12
PCB Concentration(ug/m3)	*	0.0814	0.0038	0.028
Percent of Allowable(%)	*	8	0	3

SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 22B* *PUF-18*	*STATION 29* *PUF-5*	*STATION 34* *PUF-17*	*STATION 35* *PUF-12*
3/29/2007				
Total Volume(m3)	400	370	374	405
Total PCB Mass(ug)	560	10	85	18
PCB Concentration(ug/m3)	1.4 J	0.027	0.2273 J	0.0444
Percent of Allowable(%)	140[(1)]	3	23	4
3/30/2007				
Total Volume(m3)	0	389	428	427
Total PCB Mass(ug)	*	16	87	48
PCB Concentration(ug/m3)	*	0.0411	0.2033	0.1124
Percent of Allowable(%)	*	4	20	11

Notes:
* - Results not reported due to machine malfunction
NR - No result because machine was not setup
ND - Non-detect
(1) - Exceedence attributed to moving material in AOI 8 near the station.
Air monitoring at Group 14 conducted during installation of 48" sewer line for Plant Operations

SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 1C TSP-12*	*STATION 14 TSP-11(TSP-5)*	*STATION 22B TSP-9*	*STATION 23 TSP-3*	*STATION 23 TSP-6*	*STATION 29 TSP-8*	*STATION 30 TSP-1*	*STATION 31 TSP-16*
1/2/2007								
Total Volume(m3)	1202	657(1384)	1074	1454	NR	1385	1350	1197
Average Flow(m3/min)	0.85	0.48(1.01)	0.76	1.06	NR	0.97	0.96	0.85
TSP Concentration(mg/m3)	0.0824	0.0518(0.039)	0.0633	0.0309	NR	0.031	0.0274	0.0317
Percent of Allowable(%)	78	49(37)	UPWIND	29	NR	29	26	30
1/3/2007								
Total Volume(m3)	1309	675(983)	769	1450	NR	1260	1248	599
Average Flow(m3/min)	0.87	0.66(0.94)	0.64	1.14	NR	1.12	0.74	0.35
TSP Concentration(mg/m3)	0.0733	0.043(0.0336)	0.0988	0.031	NR	0.0381	0.0264	0.0968
Percent of Allowable(%)	44	26(20)	UPWIND	19	NR	23	16	59
1/4/2007								
Total Volume(m3)	1174	627(1411)	0	1406	NR	1386	1015	1029
Average Flow(m3/min)	0.81	0.44(0.99)	*	0.98	NR	0.94	0.89	0.71
TSP Concentration(mg/m3)	ND(0.0009)	0.0207(0.0177)	*	0.0199	NR	0.0267	0.0148	0.033
Percent of Allowable(%)	**	**	*	**	NR	**	**	**
1/5/2007								
Total Volume(m3)	1202	661(1454)	0	1360	NR	1392	1366	1090
Average Flow(m3/min)	0.83	0.45(0.99)	*	0.94	NR	0.94	0.91	0.75
TSP Concentration(mg/m3)	0.0125	0.0121(0.0117)	*	0.0199	NR	0.018	0.0124	0.0092
Percent of Allowable(%)	**	**	*	**	NR	**	**	**
1/6/2007								
Total Volume(m3)	1370	414(1043)	0	1637	NR	1555	1686	1303
Average Flow(m3/min)	0.83	0.4(1.01)	*	1.01	NR	0.93	1.01	0.79
TSP Concentration(mg/m3)	0.0715	0.0169(0.0163)	*	0.0305	NR	0.0116	0.0249	0.0215
Percent of Allowable(%)	UPWIND	14(14)	*	26	NR	10	21	18
1/8/2007								
Total Volume(m3)	1240	445(1169)	759	1136	NR	1245	1029	793
Average Flow(m3/min)	0.95	0.38(1)	0.71	0.98	NR	0.93	0.86	0.61
TSP Concentration(mg/m3)	0.1347	0.0225 J(0.006 J)	0.054	0.029	NR	0.0177	0.0224	0.0277
Percent of Allowable(%)	149 (1)	25(7)	UPWIND	32	NR	20	25	31
1/9/2007								
Total Volume(m3)	1344	547(1537)	513	1471	NR	1492	1696	1150
Average Flow(m3/min)	0.97	0.37(1.04)	*	1.01	NR	1.01	1.12	0.81
TSP Concentration(mg/m3)	0.0885	0.0146 J(0.0059 J)	*	0.0612	NR	0.0282	0.0088	0.0261
Percent of Allowable(%)	UPWIND	10(4)	*	41	NR	19	6	18
1/10/2007								
Total Volume(m3)	1517	587(1502)	1103	1386	NR	1488	1480	1141
Average Flow(m3/min)	1.05	0.41(1.05)	0.77	0.98	NR	1.01	1.01	0.8
TSP Concentration(mg/m3)	0.0679	0.0375 J(0.0093 J)	0.0571	0.0303	NR	0.041	0.0189	0.0359
Percent of Allowable(%)	71	39(10)	UPWIND	32	NR	43	20	38
1/11/2007								
Total Volume(m3)	1436	1366(1423)	1105	1389	NR	1340	1546	1129
Average Flow(m3/min)	0.99	0.95(0.99)	0.78	0.98	NR	0.92	1.04	0.78
TSP Concentration(mg/m3)	0.0689	0.0425(0.0281)	0.0733	0.0252	NR	0.1575	0.0336	0.0425
Percent of Allowable(%)	56	35(23)	UPWIND	21	NR	129 (2)	27	35
1/12/2007								
Total Volume(m3)	1611	1352(1378)	1170	1444	NR	1471	1549	1218
Average Flow(m3/min)	1.03	0.93(0.95)	0.77	0.97	NR	0.95	1.05	0.79
TSP Concentration(mg/m3)	0.0168	0.0207(0.0174)	0.0308	0.0235	NR	0.0231	0.0161	0.0213
Percent of Allowable(%)	33	40(34)	UPWIND	46	NR	45	31	41
1/17/2007								
Total Volume(m3)	1093	1250(1406)	1009	1377	NR	572	NR	NR
Average Flow(m3/min)	0.79	0.88(0.99)	0.74	0.97	NR	0.4	NR	NR
TSP Concentration(mg/m3)	0.0942	0.0416(0.0363)	0.0535	0.0211	NR	0.0437	NR	NR
Percent of Allowable(%)	129 (1)	57(50)	73	29	NR	UPWIND	NR	NR
1/18/2007								
Total Volume(m3)	1425	1420(1463)	1174	1343	NR	611	NR	NR
Average Flow(m3/min)	0.99	0.98(1.01)	0.81	0.96	NR	0.4	NR	NR
TSP Concentration(mg/m3)	0.2028	0.0204(0.0287)	0.0596	0.035	NR	0.1129	NR	NR
Percent of Allowable(%)	204 (1)	20(29)	UPWIND	35	NR	113 (2)	NR	NR

SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
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Unit_ID	*STATION 1C TSP-12*	*STATION 14 TSP-11(TSP-5)*	*STATION 22B TSP-9*	*STATION 23 TSP-3*	*STATION 23 TSP-6*	*STATION 29 TSP-8*	*STATION 30 TSP-1*	*STATION 31 TSP-16*
1/19/2007								
Total Volume(m3)	1406	1490(1549)	1166	1478	NR	631	NR	NR
Average Flow(m3/min)	1	0.99(1.03)	0.84	0.98	NR	0.44	NR	NR
TSP Concentration(mg/m3)	0.1579	0.0215(0.0297)	0.0506	0.0271	NR	0.0634	NR	NR
Percent of Allowable(%)	187 (1)	25(35)	UPWIND	32	NR	75	NR	NR
1/20/2007								
Total Volume(m3)	1713	1583(1662)	1377	1524	NR	677	NR	NR
Average Flow(m3/min)	1.05	0.98(1.03)	0.86	0.95	NR	0.41	NR	NR
TSP Concentration(mg/m3)	0.0234	0.0379(0.0229)	0.0182	0.0171	NR	0.0325	NR	NR
Percent of Allowable(%)	82	133(80) (3)	64	UPWIND	NR	114 (2)	NR	NR
1/22/2007								
Total Volume(m3)	1424	1225(1338)	1056	1322	NR	557	NR	NR
Average Flow(m3/min)	0.99	0.86(0.94)	0.74	0.93	NR	0.38	NR	NR
TSP Concentration(mg/m3)	0.1952	0.0286(0.0232)	0.1108	0.0477	NR	0.0772	NR	NR
Percent of Allowable(%)	UPWIND	9(7)	34	15	NR	24	NR	NR
1/23/2007								
Total Volume(m3)	1392	1131(1356)	1136	1312	NR	573	NR	NR
Average Flow(m3/min)	0.99	0.8(0.96)	0.81	0.94	NR	0.4	NR	NR
TSP Concentration(mg/m3)	0.4411	0.0407(0.0295)	0.0871	0.0366	NR	0.0925	NR	NR
Percent of Allowable(%)	303 (1)	28(20)	UPWIND	25	NR	64	NR	NR
1/24/2007								
Total Volume(m3)	1525	1406(1390)	784	1474	NR	653	NR	NR
Average Flow(m3/min)	1.05	0.97(0.96)	0.54	1.02	NR	0.44	NR	NR
TSP Concentration(mg/m3)	0.1672	0.0306(0.0252)	0.2283	0.0678	NR	0.0796	NR	NR
Percent of Allowable(%)	UPWIND	11(9)	82	24	NR	29	NR	NR
1/25/2007								
Total Volume(m3)	1575	1414(1543)	1199	1364	NR	665	NR	NR
Average Flow(m3/min)	1.07	0.98(1.07)	0.83	0.95	NR	0.45	NR	NR
TSP Concentration(mg/m3)	0.1035	U(U)	0.0817	U	NR	U	NR	NR
Percent of Allowable(%)	UPWIND	NR(NR)	47	NR	NR	NR	NR	NR
1/26/2007								
Total Volume(m3)	1524	1427(1484)	1194	1375	NR	635	NR	NR
Average Flow(m3/min)	1.03	0.96(1)	0.79	0.93	NR	0.41	NR	NR
TSP Concentration(mg/m3)	0.1076	0.0364(0.0283)	0.0653	0.0378	NR	0.1717	NR	NR
Percent of Allowable(%)	99	33(26)	UPWIND	35	NR	157 (2)	NR	NR
1/27/2007								
Total Volume(m3)	1485	1374(1630)	1281	1508	NR	665	NR	NR
Average Flow(m3/min)	0.96	0.86(1.02)	0.83	0.96	NR	0.42	NR	NR
TSP Concentration(mg/m3)	0.0559	0.0087(0.0092)	0.0445	0.0398	NR	0.0722	NR	NR
Percent of Allowable(%)	UPWIND	9(10)	48	43	NR	77	NR	NR
1/29/2007								
Total Volume(m3)	1424	1377(1433)	1039	1316	NR	510	NR	NR
Average Flow(m3/min)	1	0.96(1)	0.73	0.93	NR	0.36	NR	NR
TSP Concentration(mg/m3)	0.0618	0.0458 J(0.0258 J)	0.077	0.0729	NR	0.3922	NR	NR
Percent of Allowable(%)	48	36(20)	UPWIND	57	NR	305 (2)	NR	NR
1/30/2007								
Total Volume(m3)	1705	1403(1489)	1215	1423	NR	776	NR	NR
Average Flow(m3/min)	1.09	0.99(1.05)	0.82	0.98	NR	0.52	NR	NR
TSP Concentration(mg/m3)	0.0616	0.0306(0.0269)	0.0642	0.0021	NR	0.0902	NR	NR
Percent of Allowable(%)	UPWIND	30(26)	62	2	NR	88	NR	NR
1/31/2007								
Total Volume(m3)	1058	1911(1166)	1094	NR	NR	594	NR	NR
Average Flow(m3/min)	0.89	1.31(0.8)	0.78	NR	NR	0.42	NR	NR
TSP Concentration(mg/m3)	0.0454	0.0314 J(0.0583 J)	0.0448	NR	NR	0.202	NR	NR
Percent of Allowable(%)	61	42(78)	UPWIND	NR	NR	270 (2)	NR	NR

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Unit_ID	*STATION 1C TSP-12*	*STATION 14 TSP-11(TSP-5)*	*STATION 22B TSP-9*	*STATION 23 TSP-3*	*STATION 23 TSP-6*	*STATION 29 TSP-8*	*STATION 30 TSP-1*	*STATION 31 TSP-16*
2/1/2007								
Total Volume(m3)	1289	1824(1093)	1723	NR	NR	628	NR	NR
Average Flow(m3/min)	0.84	1.3(0.78)	1.21	NR	NR	0.44	NR	NR
TSP Concentration(mg/m3)	0.0264	0.0104 J(0.032 J)	0.0273	NR	NR	0.051	NR	NR
Percent of Allowable(%)	58	23(70)	UPWIND	NR	NR	112 (2)	NR	NR
2/2/2007								
Total Volume(m3)	1173	1883(1122)	1206	NR	NR	1147	NR	NR
Average Flow(m3/min)	0.86	1.34(0.8)	0.88	NR	NR	0.82	NR	NR
TSP Concentration(mg/m3)	0.1338	0.0154 J(0.0267 J)	0.0605	NR	NR	0.0253	NR	NR
Percent of Allowable(%)	132 (1)	15(26)	UPWIND	NR	NR	25	NR	NR
2/3/2007								
Total Volume(m3)	1517	2107(1409)	1553	NR	NR	1342	NR	NR
Average Flow(m3/min)	0.91	1.21(0.81)	0.92	NR	NR	0.78	NR	NR
TSP Concentration(mg/m3)	0.0297	0.0104(0.0163)	0.0303	NR	NR	0.0656	NR	NR
Percent of Allowable(%)	UPWIND	21(33)	61	NR	NR	132 (2)	NR	NR
2/8/2007								
Total Volume(m3)	1046	1546(1091)	1323	NR	20	1094	NR	NR
Average Flow(m3/min)	0.74	1.09(0.77)	0.93	NR	*	0.76	NR	NR
TSP Concentration(mg/m3)	0.0784	0.0045(0.0073)	0.0907	NR	*	0.0402	NR	NR
Percent of Allowable(%)	UPWIND	3(6)	69	NR	*	31	NR	NR
2/9/2007								
Total Volume(m3)	1371	2027(1233)	1346	NR	5	1244	NR	NR
Average Flow(m3/min)	0.89	1.33(0.81)	0.87	NR	*	0.78	NR	NR
TSP Concentration(mg/m3)	0.0766	0.0163(0.0138)	0.0632	NR	*	0.0394	NR	NR
Percent of Allowable(%)	UPWIND	13(11)	49	NR	*	31	NR	NR
2/12/2007								
Total Volume(m3)	1095	1699(999)	698	NR	6	1138	NR	NR
Average Flow(m3/min)	0.75	1.24(0.73)	*	NR	*	0.77	NR	NR
TSP Concentration(mg/m3)	0.0219	0.0377(0.048)	*	NR	*	0.029	NR	NR
Percent of Allowable(%)	27	UPWIND(UPWIND)	*	NR	*	36	NR	NR
2/15/2007								
Total Volume(m3)	1260	1890(1171)	1366	NR	1330	1245	NR	NR
Average Flow(m3/min)	0.81	1.29(0.8)	0.88	NR	0.88	0.79	NR	NR
TSP Concentration(mg/m3)	0.1667	0.0095 J(0.0162 J)	0.0937	NR	0.0474	0.0273	NR	NR
Percent of Allowable(%)	UPWIND	3(6)	34	NR	17	10	NR	NR
2/16/2007								
Total Volume(m3)	1241	2021(1234)	1273	NR	1210	1234	NR	NR
Average Flow(m3/min)	0.87	1.31(0.8)	0.91	NR	0.91	0.82	NR	NR
TSP Concentration(mg/m3)	0.1039	0.0104 J(0.0324 J)	0.0456	NR	0.0182	0.0243	NR	NR
Percent of Allowable(%)	136 (1)	14(43)	UPWIND	NR	24	32	NR	NR
2/19/2007								
Total Volume(m3)	1092	1148(1204)	1075	NR	0	990	NR	NR
Average Flow(m3/min)	0.77	0.82(0.86)	0.77	NR	*	0.69	NR	NR
TSP Concentration(mg/m3)	0.0989	0.0375(0.0291)	0.0651	NR	*	0.0586	NR	NR
Percent of Allowable(%)	91	34(27)	UPWIND	NR	*	54	NR	NR
2/20/2007								
Total Volume(m3)	1235	1194(1208)	NR	NR	0	1107	NR	NR
Average Flow(m3/min)	0.87	0.85(0.86)	NR	NR	*	0.77	NR	NR
TSP Concentration(mg/m3)	0.0065	0.0243(0.0323)	NR	NR	*	0.0316	NR	NR
Percent of Allowable(%)	12	UPWIND(UPWIND)	NR	NR	*	59	NR	NR
2/21/2007								
Total Volume(m3)	1254	1287(1243)	1172	NR	NR	1033	NR	NR
Average Flow(m3/min)	0.88	0.9(0.87)	0.83	NR	NR	0.72	NR	NR
TSP Concentration(mg/m3)	0.0742	0.0319(0.0354)	0.1212	NR	NR	0.0629	NR	NR
Percent of Allowable(%)	37	16(17)	UPWIND	NR	NR	31	NR	NR

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Unit_ID	*STATION 1C TSP-12*	*STATION 14 TSP-11(TSP-5)*	*STATION 22B TSP-9*	*STATION 23 TSP-3*	*STATION 23 TSP-6*	*STATION 29 TSP-8*	*STATION 30 TSP-1*	*STATION 31 TSP-16*
2/22/2007								
Total Volume(m3)	1195	1146(1290)	1266	NR	NR	1074	NR	NR
Average Flow(m3/min)	0.83	0.8(0.9)	0.88	NR	NR	0.74	NR	NR
TSP Concentration(mg/m3)	0.1172	0.0201(0.0279)	0.1343	NR	NR	0.0503	NR	NR
Percent of Allowable(%)	UPWIND	10(14)	67	NR	NR	26	NR	NR
2/23/2007								
Total Volume(m3)	1192	954(1355)	1290	NR	NR	1205	NR	NR
Average Flow(m3/min)	0.82	0.64(0.91)	0.89	NR	NR	0.82	NR	NR
TSP Concentration(mg/m3)	0.0126	0.0849 J(0.0177 J)	0.0302	NR	NR	0.0141	NR	NR
Percent of Allowable(%)	15	UPWIND(UPWIND)	35	NR	NR	16	NR	NR

Notes:
* - Results not reported due to machine malfunction
** - UPWIND machine did not run, therefore % of allowable not calculable.
NR - No result because machine was not setup
(1) - Exceedance primarily attributed to project and local traffic along public roads.
(2) - Exceedance primarily attributed to project traffic (including gravity sewer line construction traffic) along the WTP haul road.
(3) - Exceedance primarily attributed to contractor activities in the laydown area.

SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
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Unit_ID	*STATION 22B* *TSP-9*	*STATION 29* *TSP-8*	*STATION 34* *TSP-16*	*STATION 35* *TSP-1*
1/29/2007				
Total Volume(m3)	1039	510	937	1067
Average Flow(m3/min)	0.73	0.36	0.81	0.8
TSP Concentration(mg/m3)	0.077	0.3922	0.0683	0.0609
Percent of Allowable(%)	12	UPWIND	10	9
1/30/2007				
Total Volume(m3)	1215	776	1228	1332
Average Flow(m3/min)	0.82	0.52	0.83	0.9
TSP Concentration(mg/m3)	0.0642	0.0902	0.066	0.0526
Percent of Allowable(%)	UPWIND	84	62	49
1/31/2007				
Total Volume(m3)	1094	594	1162	1357
Average Flow(m3/min)	0.78	0.42	0.83	0.97
TSP Concentration(mg/m3)	0.0448	0.202	0.0456	0.0251
Percent of Allowable(%)	59	265	UPWIND	33
2/1/2007				
Total Volume(m3)	1723	628	1069	1380
Average Flow(m3/min)	1.21	0.44	0.76	0.98
TSP Concentration(mg/m3)	0.0273	0.051	0.029	0.0167
Percent of Allowable(%)	56	105	UPWIND	35
2/2/2007				
Total Volume(m3)	1206	1147	1042	1384
Average Flow(m3/min)	0.88	0.82	0.75	1
TSP Concentration(mg/m3)	0.0605	0.0253	0.0461	0.0246
Percent of Allowable(%)	79	33	UPWIND	32
2/8/2007				
Total Volume(m3)	1323	1094	1205	1360
Average Flow(m3/min)	0.93	0.76	0.84	0.97
TSP Concentration(mg/m3)	0.0907	0.0402	0.1635	0.0243
Percent of Allowable(%)	UPWIND	27	108	16
2/9/2007				
Total Volume(m3)	1346	1244	1403	1424
Average Flow(m3/min)	0.87	0.78	0.92	0.96
TSP Concentration(mg/m3)	0.0632	0.0394	0.0627	0.033
Percent of Allowable(%)	UPWIND	37	59	31
2/10/2007				
Total Volume(m3)	1481	1323	1481	1527
Average Flow(m3/min)	0.93	0.81	0.93	0.96
TSP Concentration(mg/m3)	0.0344	0.0317	0.0378	0.0242
Percent of Allowable(%)	65	UPWIND	71	46
2/12/2007				
Total Volume(m3)	698	1138	1131	1208
Average Flow(m3/min)	*	0.77	0.78	0.84
TSP Concentration(mg/m3)	*	0.029	0.0637	0.0281
Percent of Allowable(%)	*	UPWIND	**133	59
2/15/2007				
Total Volume(m3)	1366	1245	1486	1819
Average Flow(m3/min)	0.88	0.79	0.98	1.2
TSP Concentration(mg/m3)	0.0937	0.0273	0.033	0.0165
Percent of Allowable(%)	UPWIND	17	21	11
2/16/2007				
Total Volume(m3)	1273	1234	1309	1214
Average Flow(m3/min)	0.91	0.82	0.88	0.84
TSP Concentration(mg/m3)	0.0456	0.0243	0.0359	0.0321
Percent of Allowable(%)	76	41	UPWIND	55

SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
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Unit_ID	*STATION 22B* *TSP-9*	*STATION 29* *TSP-8*	*STATION 34* *TSP-16*	*STATION 35* *TSP-1*
2/17/2007				
Total Volume(m3)	1218	1115	1187	1386
Average Flow(m3/min)	0.84	0.76	0.82	0.96
TSP Concentration(mg/m3)	0.0255	0.0341	0.0185	0.0137
Percent of Allowable(%)	UPWIND	80	43	32
2/19/2007				
Total Volume(m3)	1075	990	808	1172
Average Flow(m3/min)	0.77	0.69	0.77	0.83
TSP Concentration(mg/m3)	0.0651	0.0586	0.0582	0.0324
Percent of Allowable(%)	105	95	UPWIND	52
2/20/2007				
Total Volume(m3)	NR	1107	1209	1219
Average Flow(m3/min)	NR	0.77	0.86	0.86
TSP Concentration(mg/m3)	NR	0.0316	0.0405	0.0172
Percent of Allowable(%)	NR	UPWIND	76	32
2/21/2007				
Total Volume(m3)	1172	1033	1378	1423
Average Flow(m3/min)	0.83	0.72	0.97	1
TSP Concentration(mg/m3)	0.1212	0.0629	0.0247	0.0379
Percent of Allowable(%)	UPWIND	31	12	19
2/22/2007				
Total Volume(m3)	1266	1074	1642	1205
Average Flow(m3/min)	0.88	0.74	1.13	0.84
TSP Concentration(mg/m3)	0.1343	0.0503	0.0438	0.0357
Percent of Allowable(%)	UPWIND	22	20	16
2/27/2007				
Total Volume(m3)	1369	1130	1336	1280
Average Flow(m3/min)	0.93	0.74	0.91	0.87
TSP Concentration(mg/m3)	0.0745	ND(0.0009)	0.0704	0.0344
Percent of Allowable(%)	175	UPWIND	165**	81
2/28/2007				
Total Volume(m3)	1247	995	1044	1203
Average Flow(m3/min)	0.88	0.7	0.73	0.84
TSP Concentration(mg/m3)	0.012	ND(0.001)	0.045	0.0175
Percent of Allowable(%)	28	UPWIND	106**	41
3/2/2007				
Total Volume(m3)	1113	0	1427	1078
Average Flow(m3/min)	0.79	*	1.02	0.77
TSP Concentration(mg/m3)	ND(0.0009)	*	0.0098	0.0575
Percent of Allowable(%)	0	*	UPWIND	351
3/3/2007				
Total Volume(m3)	NR	NR	1110	1388
Average Flow(m3/min)	NR	NR	0.82	1.01
TSP Concentration(mg/m3)	NR	NR	0.0144	0.013
Percent of Allowable(%)	NR	NR	UPWIND	54
3/4/2007				
Total Volume(m3)	NR	NR	1399	1348
Average Flow(m3/min)	NR	NR	0.8	0.83
TSP Concentration(mg/m3)	NR	NR	0.0322	0.0549
Percent of Allowable(%)	NR	NR	UPWIND	102
3/5/2007				
Total Volume(m3)	1195	1036	1029	992
Average Flow(m3/min)	0.86	0.75	0.8	0.72
TSP Concentration(mg/m3)	0.0577	0.0985	0.0709	0.0877
Percent of Allowable(%)	39	67	48	UPWIND

SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 22B* *TSP-9*	*STATION 29* *TSP-8*	*STATION 34* *TSP-16*	*STATION 35* *TSP-1*
3/6/2007				
Total Volume(m3)	1409	1132	1103	1258
Average Flow(m3/min)	0.97	0.8	0.8	0.89
TSP Concentration(mg/m3)	0.1121	0.0698	0.0707	0.0326
Percent of Allowable(%)	96	UPWIND	61	28
3/7/2007				
Total Volume(m3)	1219	1017	1142	1003
Average Flow(m3/min)	0.91	0.74	0.79	0.71
TSP Concentration(mg/m3)	0.0558	0.1003	0.1427	0.1037
Percent of Allowable(%)	33	UPWIND	85	62
3/8/2007				
Total Volume(m3)	1419	1077	1204	1132
Average Flow(m3/min)	0.94	0.73	0.81	0.76
TSP Concentration(mg/m3)	0.0817	0.0808	0.064	0.0133
Percent of Allowable(%)	61	UPWIND	47	10
3/12/2007				
Total Volume(m3)	1302	1133	1532	330
Average Flow(m3/min)	0.88	0.75	0.99	0.22
TSP Concentration(mg/m3)	0.1275	0.2154	0.0698	ND(0.003)
Percent of Allowable(%)	35	UPWIND	19	NR
3/13/2007				
Total Volume(m3)	1292	898	1308	781
Average Flow(m3/min)	0.9	0.66	0.95	0.57
TSP Concentration(mg/m3)	0.106	0.1993	0.0535	0.1601
Percent of Allowable(%)	119	223	UPWIND	179
3/14/2007				
Total Volume(m3)	1213	944	1414	809
Average Flow(m3/min)	0.89	0.66	0.99	0.56
TSP Concentration(mg/m3)	0.0511	0.0922	0.0396	0.0569
Percent of Allowable(%)	77	139	UPWIND	86
3/15/2007				
Total Volume(m3)	1380	NR	1435	994
Average Flow(m3/min)	0.94	NR	1.02	0.69
TSP Concentration(mg/m3)	0.0225	NR	0.023	0.0362
Percent of Allowable(%)	UPWIND	NR	61	96
3/16/2007				
Total Volume(m3)	598	1063	1442	925
Average Flow(m3/min)	*	0.77	1.03	0.66
TSP Concentration(mg/m3)	*	0.0508	0.0409	0.0541
Percent of Allowable(%)	*	UPWIND	48	64
3/17/2007				
Total Volume(m3)	NR	1343	1777	1095
Average Flow(m3/min)	NR	0.8	1.04	0.64
TSP Concentration(mg/m3)	NR	0.0663	0.0242	0.0329
Percent of Allowable(%)	NR	UPWIND	22	30
3/19/2007				
Total Volume(m3)	1315	1098	1592	913
Average Flow(m3/min)	0.91	0.76	0.98	0.62
TSP Concentration(mg/m3)	0.0304	0.0528	0.0666	0.0416
Percent of Allowable(%)	27	47	UPWIND	37
3/20/2007				
Total Volume(m3)	1301	1074	1052	875
Average Flow(m3/min)	0.92	0.76	0.83	0.61
TSP Concentration(mg/m3)	ND(0.0008)	0.054	0.0437	0.0743
Percent of Allowable(%)	0	UPWIND	48	82

SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - FIRST QUARTER 2007
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Unit_ID	*STATION 22B* *TSP-9*	*STATION 29* *TSP-8*	*STATION 34* *TSP-16*	*STATION 35* *TSP-1*
3/21/2007				
Total Volume(m3)	2	1037	1072	871
Average Flow(m3/min)	*	0.73	0.76	0.61
TSP Concentration(mg/m3)	*	0.2334	0.0942	0.1515
Percent of Allowable(%)	*	148	UPWIND	96
3/29/2007				
Total Volume(m3)	2	2421	2004	877
Average Flow(m3/min)	*	1.7	1.39	0.6
TSP Concentration(mg/m3)	*	0.0231	0.0734	0.0547
Percent of Allowable(%)	*	UPWIND	**190	142
3/30/2007				
Total Volume(m3)	1	1110	1154	868
Average Flow(m3/min)	*	0.77	0.78	0.59
TSP Concentration(mg/m3)	*	0.0405	0.1049	0.053
Percent of Allowable(%)	*	23	UPWIND	30

Notes:
* - Results not reported due to machine malfunction
** - Exceedence may be due to particles in the air from the GM water treatment plant Lime Silo
NR - No result because machine was not setup
Air monitoring at Group 14 conducted during installation of 48" sewer line for Plant Operations

TABLE 7.1
NORTHERN TRIBUTARY DELINEATION 2007
VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel		*P076*	*P076*	*P386*	*P386*	*P386*	*P386*
Location Name		*076-21813*	*076-21814*	*386-21778*	*386-21779*	*386-21780*	*386-21780*
Sample Identification		*S-076-022007-AH-21813*	*S-076-022007-AH-21814*	*S-386-021907-MD-21778*	*S-386-021907-MD-21779*	*S-386-021907-MD-21780*	*S-386-021907-MD-21781*
Sample Date		*2/20/2007*	*2/20/2007*	*2/19/2007*	*2/19/2007*	*2/19/2007*	*2/19/2007*
Sample Depth		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Sample Type							*Duplicate*
	Units						
PCBs							
Aroclor-1016 (PCB-1016)	mg/kg	0.041 U	0.042 U	0.24 U	0.049 U	0.043 U	0.043 U
Aroclor-1221 (PCB-1221)	mg/kg	0.041 U	0.042 U	0.24 U	0.049 U	0.043 U	0.043 U
Aroclor-1232 (PCB-1232)	mg/kg	0.041 U	0.042 U	0.24 U	0.049 U	0.043 U	0.043 U
Aroclor-1242 (PCB-1242)	mg/kg	0.041 U	0.042 U	0.24 U	0.049 U	0.043 U	0.043 U
Aroclor-1248 (PCB-1248)	mg/kg	0.083	0.056	4.1	0.82	1.1	1.3
Aroclor-1254 (PCB-1254)	mg/kg	0.041 U	0.042 U	0.24 U	0.049 U	0.043 U	0.043 U
Aroclor-1260 (PCB-1260)	mg/kg	0.041 U	0.012 J	0.95	0.28	0.27	0.31
Total PCBs	mg/kg	0.083	0.068 J	5.05	1.1	1.37	1.61

J = Estimated Value
ND = Non-Detect = 0

TABLE 7.1
NORTHERN TRIBUTARY DELINEATION 2007
VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel		*P386*	*P389*	*P389*	*P389*	*P389*	*P393*
Location Name		*386-21782*	*389-21789*	*389-21790*	*389-21790*	*389-21792*	*393-21793*
Sample Identification		*S-386-021907-MD-21782*	*S-389-022007-AH-21789*	*SE-389-022007-AH-21790*	*SE-389-022007-AH-21791*	*SE-389-022007-AH-21792*	*SE-393-022007-AH-21793*
Sample Date		*2/19/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*
Sample Depth		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Sample Type					*Duplicate*		
	Units						
PCBs							
Aroclor-1016 (PCB-1016)	mg/kg	0.054 U	0.046 U	0.053 U	0.054 U	0.045 U	0.039 U
Aroclor-1221 (PCB-1221)	mg/kg	0.054 U	0.046 U	0.053 U	0.054 U	0.045 U	0.039 U
Aroclor-1232 (PCB-1232)	mg/kg	0.054 U	0.046 U	0.053 U	0.054 U	0.045 U	0.039 U
Aroclor-1242 (PCB-1242)	mg/kg	0.054 U	0.046 U	0.053 U	0.054 U	0.045 U	0.039 U
Aroclor-1248 (PCB-1248)	mg/kg	0.68	1.1	0.58	0.6	0.87	0.52
Aroclor-1254 (PCB-1254)	mg/kg	0.054 U	0.046 U	0.053 U	0.054 U	0.045 U	0.039 U
Aroclor-1260 (PCB-1260)	mg/kg	0.24	0.27	0.14	0.17	0.19	0.14
Total PCBs	mg/kg	0.92	1.37	0.72	0.77	1.06	0.66

J = Estimated Value
ND = Non-Detect = 0

TABLE 7.1
NORTHERN TRIBUTARY DELINEATION 2007
VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel		*P393*	*P393*	*P393*	*P393*	*P393*	*P393*
Location Name		*393-21794*	*393-21795*	*393-21796*	*393-21797*	*393-21798*	*393-21799*
Sample Identification		*S-393-022007-AH-21794*	*SE-393-022007-AH-21795*	*SE-393-022007-AH-21796*	*S-393-022007-AH-21797*	*S-393-022007-AH-21798*	*S-393-022007-AH-21799*
Sample Date		*2/20/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*
Sample Depth		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Sample Type							
	Units						
PCBs							
Aroclor-1016 (PCB-1016)	mg/kg	0.062 U	0.046 U	0.046 U	0.047 U	0.055 U	0.053 U
Aroclor-1221 (PCB-1221)	mg/kg	0.062 U	0.046 U	0.046 U	0.047 U	0.055 U	0.053 U
Aroclor-1232 (PCB-1232)	mg/kg	0.062 U	0.046 U	0.046 U	0.047 U	0.055 U	0.053 U
Aroclor-1242 (PCB-1242)	mg/kg	0.062 U	0.046 U	0.046 U	0.047 U	0.055 U	0.053 U
Aroclor-1248 (PCB-1248)	mg/kg	0.042 J	0.025 J	0.29	0.034 J	0.055 U	0.053 U
Aroclor-1254 (PCB-1254)	mg/kg	0.062 U	0.046 U	0.046 U	0.047 U	0.055 U	0.053 U
Aroclor-1260 (PCB-1260)	mg/kg	0.027 J	0.046 U	0.066	0.032 J	0.055 U	0.053 U
Total PCBs	mg/kg	0.069 J	0.025 J	0.356	0.066 J	ND	ND

J = Estimated Value
ND = Non-Detect = 0

TABLE 7.1
NORTHERN TRIBUTARY DELINEATION 2007
VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel		*P393*	*P393*	*P393*	*P393*	*P393*	*P393*
Location Name		*393-21800*	*393-21800*	*393-21802*	*393-21803*	*393-21804*	*393-21805*
Sample Identification		*SE-393-022007-AH-21800*	*SE-393-022007-AH-21801*	*S-393-022007-AH-21802*	*SE-393-022007-AH-21803*	*S-393-022007-AH-21804*	*S-393-022007-AH-21805*
Sample Date		*2/20/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*
Sample Depth		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Sample Type			*Duplicate*				
	Units						
PCBs							
Aroclor-1016 (PCB-1016)	mg/kg	0.042 U	0.048 U	0.067 U	0.042 U	0.073 U	0.063 U
Aroclor-1221 (PCB-1221)	mg/kg	0.042 U	0.048 U	0.067 U	0.042 U	0.073 U	0.063 U
Aroclor-1232 (PCB-1232)	mg/kg	0.042 U	0.048 U	0.067 U	0.042 U	0.073 U	0.063 U
Aroclor-1242 (PCB-1242)	mg/kg	0.042 U	0.048 U	0.067 U	0.042 U	0.073 U	0.063 U
Aroclor-1248 (PCB-1248)	mg/kg	0.2	0.12	0.067 U	0.61	0.073 U	0.033 J
Aroclor-1254 (PCB-1254)	mg/kg	0.042 U	0.048 U	0.067 U	0.042 U	0.073 U	0.063 U
Aroclor-1260 (PCB-1260)	mg/kg	0.058	0.027 J	0.067 U	0.16	0.073 U	0.03 J
Total PCBs	mg/kg	0.258	0.147 J	ND	0.77	ND	0.063 J

J = Estimated Value
ND = Non-Detect = 0

TABLE 7.1
NORTHERN TRIBUTARY DELINEATION 2007
VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel		*P393*	*P393*	*P393*	*P393*	*P393*	*P393*	*P393*
Location Name		*393-21806*	*393-21807*	*393-21808*	*393-21809*	*393-21810*	*393-21810*	*393-21812*
Sample Identification		*SE-393-022007-AH-21806*	*S-393-022007-AH-21807*	*S-393-022007-AH-21808*	*S-393-022007-AH-21809*	*S-393-022007-AH-21810*	*S-393-022007-AH-21811*	*S-393-022007-AH-21812*
Sample Date		*2/20/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*	*2/20/2007*
Sample Depth		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Sample Type							*Duplicate*	
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	0.052 U	0.083 U	0.081 U	0.11 U	0.043 U	0.045 U	0.07 U
Aroclor-1221 (PCB-1221)	mg/kg	0.052 U	0.083 U	0.081 U	0.11 U	0.043 U	0.045 U	0.07 U
Aroclor-1232 (PCB-1232)	mg/kg	0.052 U	0.083 U	0.081 U	0.11 U	0.043 U	0.045 U	0.07 U
Aroclor-1242 (PCB-1242)	mg/kg	0.052 U	0.083 U	0.081 U	0.11 U	0.043 U	0.045 U	0.07 U
Aroclor-1248 (PCB-1248)	mg/kg	0.12	0.083 U	0.081 U	0.11 U	0.043 U	0.045 U	0.57
Aroclor-1254 (PCB-1254)	mg/kg	0.052 U	0.083 U	0.081 U	0.11 U	0.043 U	0.045 U	0.07 U
Aroclor-1260 (PCB-1260)	mg/kg	0.061	0.083 U	0.081 U	0.11 U	0.043 U	0.045 U	0.18
Total PCBs	mg/kg	0.181	ND	ND	ND	ND	ND	0.75

J = Estimated Value
ND = Non-Detect = 0

TABLE 7.2
WESTERN TRIBUTARY DELINEATION 2007
VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel		*P053*	*P053*	*P053*	*P053*	*P053*	*P053*
Location Name		*053-21765*	*053-21766*	*053-21767*	*053-21768*	*053-21769*	*053-21770*
Sample Identification		*S-053-021407-CH-21765*	*S-053-021407-CH-21766*	*S-053-021407-CH-21767*	*S-053-021407-CH-21768*	*S-053-021407-CH-21769*	*S-053-021407-CH-21770*
Sample Date		*2/14/2007*	*2/14/2007*	*2/14/2007*	*2/14/2007*	*2/14/2007*	*2/14/2007*
Sample Depth		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Sample Type							
	Units						
PCBs							
Aroclor-1016 (PCB-1016)	mg/kg	0.049 U	0.038 U	0.052 U	0.044 U	2.4 U	0.049 U
Aroclor-1221 (PCB-1221)	mg/kg	0.049 U	0.038 U	0.052 U	0.044 U	2.4 U	0.049 U
Aroclor-1232 (PCB-1232)	mg/kg	0.049 U	0.038 U	0.052 U	0.044 U	2.4 U	0.049 U
Aroclor-1242 (PCB-1242)	mg/kg	0.049 U	0.038 U	0.052 U	0.044 U	2.4 U	0.049 U
Aroclor-1248 (PCB-1248)	mg/kg	0.044 J	0.12	0.017 J	0.27	2.4 U	0.049 U
Aroclor-1254 (PCB-1254)	mg/kg	0.049 U	0.038 U	0.052 U	0.044 U	40	0.049 U
Aroclor-1260 (PCB-1260)	mg/kg	0.03 J	0.024 J	0.052 U	0.033 J	2.4 U	0.049 U
Total PCBs	mg/kg	0.074 J	0.144 J	0.017 J	0.303 J	40	ND

J = Estimated Value
ND = Non-Detect = 0

TABLE 7.2
WESTERN TRIBUTARY DELINEATION 2007
VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel		*P053*	*P053*	*P053*	*P053*	*P053*	*P053*
Location Name		*053-21770*	*053-21817*	*053-21818*	*053-21819*	*053-21820*	*053-21820*
Sample Identification		*S-053-021407-CH-21771*	*S-053-022707-CL-21817*	*S-053-022707-CL-21818*	*S-053-022707-CL-21819*	*S-053-022707-CL-21820*	*S-053-022707-CL-21821*
Sample Date		*2/14/2007*	*2/27/2007*	*2/27/2007*	*2/27/2007*	*2/27/2007*	*2/27/2007*
Sample Depth		*(0-0.33)*	*(0-0.33)*	*(1-1)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Sample Type		***Duplicate***					***Duplicate***
	Units						
PCBs							
Aroclor-1016 (PCB-1016)	mg/kg	0.05 U	0.88 U	0.23 U	0.042 U	0.041 U	0.042 U
Aroclor-1221 (PCB-1221)	mg/kg	0.05 U	0.88 U	0.23 U	0.042 U	0.041 U	0.042 U
Aroclor-1232 (PCB-1232)	mg/kg	0.05 U	0.88 U	0.23 U	0.042 U	0.041 U	0.042 U
Aroclor-1242 (PCB-1242)	mg/kg	0.05 U	0.88 U	0.23 U	0.042 U	0.041 U	0.042 U
Aroclor-1248 (PCB-1248)	mg/kg	0.05 U	0.88 U	0.23 U	0.042 U	0.0099 J	0.014 J
Aroclor-1254 (PCB-1254)	mg/kg	0.05 U	22	3	0.042 U	0.041 U	0.042 U
Aroclor-1260 (PCB-1260)	mg/kg	0.05 U	0.88 U	0.23 U	0.042 U	0.041 U	0.042 U
Total PCBs	mg/kg	ND	22	3	ND	0.0099 J	0.014 J

J = Estimated Value
ND = Non-Detect = 0

TABLE 7.2
WESTERN TRIBUTARY DELINEATION 2007
VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel		*P053*	*P053*	*P053*	*P053*	*P053*	*P053*
Location Name		*053-21822*	*053-21823*	*053-21852*	*053-21853*	*053-21854*	*053-21855*
Sample Identification		*S-053-022707-CL-21822*	*S-053-022707-CL-21823*	*S-053-030207-MD-21852*	*S-053-030207-MD-21853*	*S-053-030207-MD-21854*	*S-053-030207-MD-21855*
Sample Date		*2/27/2007*	*2/27/2007*	*3/2/2007*	*3/2/2007*	*3/2/2007*	*3/2/2007*
Sample Depth		*(0-0.33)*	*(0-0.33)*	*(1-1)*	*(2-2)*	*(1-1)*	*(2-2)*
Sample Type							
	Units						
PCBs							
Aroclor-1016 (PCB-1016)	mg/kg	0.046 U	0.047 U	0.041 U	0.043 U	0.044 U	0.043 U
Aroclor-1221 (PCB-1221)	mg/kg	0.046 U	0.047 U	0.041 U	0.043 U	0.044 U	0.043 U
Aroclor-1232 (PCB-1232)	mg/kg	0.046 U	0.047 U	0.041 U	0.043 U	0.044 U	0.043 U
Aroclor-1242 (PCB-1242)	mg/kg	0.046 U	0.047 U	0.041 U	0.043 U	0.044 U	0.043 U
Aroclor-1248 (PCB-1248)	mg/kg	0.046 U	0.047 U	0.041 U	0.043 U	0.044 U	0.043 U
Aroclor-1254 (PCB-1254)	mg/kg	0.046 U	0.13	0.041 U	0.043 U	0.044 U	0.043 U
Aroclor-1260 (PCB-1260)	mg/kg	0.046 U	0.047 U	0.041 U	0.043 U	0.044 U	0.043 U
Total PCBs	mg/kg	ND	0.13	ND	ND	ND	ND

J = Estimated Value
ND = Non-Detect = 0

TABLE 7.2
WESTERN TRIBUTARY DELINEATION 2007
VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA

Parcel		*P054*	*P054*	*P054*	*P054*	*P054*	*P054*
Location Name		*054-21772*	*054-21773*	*054-21774*	*054-21775*	*054-21776*	*054-21777*
Sample Identification		*S-054-021407-CH-21772*	*S-054-021407-CH-21773*	*S-054-021407-CH-21774*	*S-054-021407-CH-21775*	*S-054-021407-CH-21776*	*S-054-021407-CH-21777*
Sample Date		*2/14/2007*	*2/14/2007*	*2/14/2007*	*2/14/2007*	*2/14/2007*	*2/14/2007*
Sample Depth		*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*	*(0-0.33)*
Sample Type							
	Units						
PCBs							
Aroclor-1016 (PCB-1016)	mg/kg	0.06 U	0.047 U	0.05 U	0.052 U	0.046 U	0.061 U
Aroclor-1221 (PCB-1221)	mg/kg	0.06 U	0.047 U	0.05 U	0.052 U	0.046 U	0.061 U
Aroclor-1232 (PCB-1232)	mg/kg	0.06 U	0.047 U	0.05 U	0.052 U	0.046 U	0.061 U
Aroclor-1242 (PCB-1242)	mg/kg	0.06 U	0.047 U	0.05 U	0.052 U	0.046 U	0.061 U
Aroclor-1248 (PCB-1248)	mg/kg	0.35	0.047 U	0.05 U	0.016 J	0.13	0.061 U
Aroclor-1254 (PCB-1254)	mg/kg	0.06 U	0.047 U	0.05 U	0.052 U	0.046 U	0.061 U
Aroclor-1260 (PCB-1260)	mg/kg	0.055 J	0.047 U	0.05 U	0.052 U	0.025 J	0.061 U
Total PCBs	mg/kg	0.405 J	ND	ND	0.016 J	0.155 J	ND

J = Estimated Value
ND = Non-Detect = 0

APPENDIX A

CONSTRUCTION MEETING MINUTES

MEETING MINUTES

Reference No. 13968

PROJECT: GM Powertrain Removal Action Project

OWNER: General Motors CONTRACT NO.: 13968(41, 89)

RE: Construction Meeting

LOCATION: Bedford, Indiana DATE: January 2, 2007 TIME: 01:00 p.m.

Participants:

Rick Hoekstra; CRA	Earney Funderburg; ENTACT	Robin Compton; ENTACT
Dan Nelson; CRA	Sebastian Bahr; ENTACT	Dan DalPorto; Sevenson

Distribution:

Cheryl Hiatt; GM	Ed Peterson; GM	Glenn Turchan; CRA
Jim McGuigan; CRA	Jeff Daniel; CRA	Katie Kamm; CRA
Terri Channing; CRA	Mary Kelly; CRA	Peter Ramanauskas; USEPA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Pricilla Fonseca; USEPA
Jean Greensley; USEPA		

Item	*Description*	*Action By*
1.0	**HEALTH AND SAFETY**	
1.1	ENTACT will continue to remind all truck drivers hauling to the East Plant fill area to pay close attention to spotters while on site.	ENTACT
1.2	Dan Nelson inquired about a fence along north edge of the vault adjacent to the clean haul road. Sevenson stated that a perimeter fence has been in place around the entire vault, but will verify continued integrity of this fence.	SES
2.0	**REQUEST FOR INFORMATION**	
2.1	None.	--
3.0	**GENERAL WORK ACTIVITIES**	
3.1	ENTACT continues to perform routine road maintenance and operate the truck decon as needed.	ENTACT
3.2	SES assisted HRC over the holidays in the removal of <50 ppm material from the launch pit area.	SES
3.3	Water management activities and grading/fill placement area were maintained during the holidays by both contractors, as appropriate.	SES/ENTACT
3.4	George Seng acted as CRA's on site emergency contact during the holiday shutdown, but was not contacted by either SES or ENTACT.	CRA
4.0	**GRADING AREAS # 1, 2, 3 AND 4, FILL AREAS (FA-1A & FA-1B)**	
4.1	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT

Item	*Description*	*Action By*
4.2	ENTACT continues to perform necessary maintenance to the grading and fill areas, as appropriate.	ENTACT
5.0	**VAULT AREA AOI7**	
5.1	SES completed the installation of the Leachate Collection System (LCS) pump on 12-18-06. It worked as expected (i.e., automatically) during the holidays.	SES
5.2	Sevenson's completed initial repairs to the leaking joint in the leak detection manhole between risers 4 and 5 on 12-18-06. Additional grouting of the same joint was performed on 12-21-06. Over the holidays, pumping was still required at the LDMH, so leakage must still be occurring.	SES
5.3	ENTACT inquired as to which contractor would be responsible for replacing the clay berm and liner in Grading Area #1 after SES has completed the final over 50 excavation beneath the NW corner of this grading fill placement area. SES will need to the replace clay berm to maintain water control within GA#1 however the need for liner replacement will need to be discussed further.	SES
5.4	ENTACT inquired as to SES's plans for re-establishing the clean haul road back to Grading Area #2. SES hopes to hold off on that activity until they have completed the >50 excavation work so as to avoid any potential cross-over of under 50 and over 50 trucks. If this cannot be avoided, then additional truck tire washing activities may be required	SES/ENTACT
6.0	**EXCAVATION AREA #1/FILL PLACEMENT**	
6.1	SES continues to contain, pump, and treat all water within the excavations.	SES
6.2	SES continues to receive <50 ppm material from the downstream parcels and placing the material within Excavation Area 1.	SES
6.3	SES continues to smooth roll and mulch all exposed surfaces daily.	SES
6.4	SES has commenced preparations for removal of >50 ppm material located under the northwestern portion of GA#1 by cutting an access road through the under 50 soil stockpile. SES anticipates completing this work by the end of the week and beginning excavation activities the week of 01-08-07.	SES
7.0	**WORK HOURS**	
7.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m. <50 soils to be delivered to the East Plant Area between 7:30 a.m. and 3:30 p.m.	ENTACT
7.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m.	ENTACT
7.3	SES is working Monday through Saturday 7:00 a.m. to 5:00 p.m.	ENTACT
7.4	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.0	**SUB-CONTRACTORS ON-SITE**	
8.1	Bledsoe, Riggert, and Guerrettaz - Surveying	SES

☐ Attachments: _____

Prepared By: Rick Hoekstra Date Issued: Jan. 9, 2007

This confirms and records CRA's interpretation of the discussions that occurred and our understanding reached during this meeting. Unless notified in writing within 3 days of the date issued, we will assume that the following interpretation or description is complete and accurate.

MEETING MINUTES

Reference No. 13968

PROJECT: GM Powertrain Removal Action Project

OWNER: General Motors CONTRACT NO.: 13968(41, 89)

RE: Construction Meeting

LOCATION: Bedford, Indiana DATE: January 9, 2007 TIME: 01:00 p.m.

Participants:

Rick Hoekstra; CRA	Earney Funderburg; ENTACT	Robin Compton; ENTACT
Dan Nelson; CRA	Sebastian Bahr; ENTACT	Dan DalPorto; Sevenson
Yelena Moskvina, CRA	Ed Long, ENTACT	Chris Bement, Sevenson

Distribution:

Cheryl Hiatt; GM	Ed Peterson; GM	Glenn Turchan; CRA
Jim McGuigan; CRA	Jeff Daniel; CRA	Katie Kamm; CRA
Terri Channing; CRA	Mary Kelly; CRA	Peter Ramanauskas; USEPA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Pricilla Fonseca; USEPA
Jean Greensley; USEPA		

Item	*Description*	*Action By*
1.0	**HEALTH AND SAFETY**	
1.1	No issues were identified by any of the HSOs on site.	- -
2.0	**REQUEST FOR INFORMATION**	
2.1	None.	- -
3.0	**GENERAL WORK ACTIVITIES**	
3.1	ENTACT has not had to operate the truck decon since the trucks are kept on clean haul roads when unloading at the East Plant Area.	
3.2	Water management activities and site maintenance work was conducted by both contractors, as appropriate.	SES/ENTACT
4.0	**GRADING AREAS # 1, 2, 3 AND 4; FILL AREAS (FA-1A & FA-1B)**	
4.1	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
4.2	ENTACT continues to perform necessary maintenance to the grading and fill areas, as appropriate.	ENTACT
5.0	**VAULT AREA AOI7**	
5.1	SES continued to collect meter readings from the leachate collection sump twice daily.	SES

Item	Description	Action By
5.2	SES performed additional repairs to the leaking joint in the leak detection manhole between risers 4 and 5 on 01-04-06 and 01-06-06. SES will re-inspect the manhole later this week to determine if the leaking joint has been adequately grouted and to determine if there are any other leaking joints.	SES
5.3	Excavation of >50 ppm soils beneath the GA #1 berm is ongoing and should be completed today. Restoration will commence tomorrow with <50 soils placed within the excavation.	SES
5.4	SES will need to replace the perimeter berm to maintain water control within GA#1, however <50 material may be used instead of imported clean clay. The stockpiled clay from the removed berm will be used to reconstruct the creek. The exposed portions of GA #1 will be recovered with the existing black tarps, plus additional black tarps where required to cover the berm. The previous berm liner will not be replaced as the black tarps will provide the necessary protection and storm water controls. (Note that blue tarps were discussed during the meeting, but SES was subsequently told that these would not be acceptable).	SES
5.5	SES hopes to re-establish the clean haul road back to Grading Area #2 tomorrow or Thursday at the latest. Other dumping locations can then be established further to the east to better facilitate placement of the creek soils in the previous >50 excavation.	SES/ENTACT
6.0	**EXCAVATION AREA #1 /FILL PLACEMENT**	
6.1	SES continues to contain, pump, and treat water within the excavations.	SES
6.2	SES continues to receive <50 ppm material from the downstream parcels and placing these soils within Excavation Area 1.	SES
6.3	SES continues to smooth roll and mulch all exposed surfaces daily.	SES
6.4	Upon completion of backfilling, SES will be required to cover all backfilled areas with tarps to prevent soil erosion of impacted materials to the creek.	SES
7.0	**WORK HOURS**	
7.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m. <50 soils to be delivered to the East Plant Area between 7:30 a.m. and 3:30 p.m.	ENTACT
7.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m.	ENTACT
7.3	SES is working Monday through Saturday 7:00 a.m. to 5:00 p.m.	ENTACT
7.4	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.0	**SUB-CONTRACTORS ON-SITE**	
8.1	Bledsoe, Riggert, and Guerrettaz – Surveying	SES

☐ Attachments: _____

Prepared By: Rick Hoekstra Date Issued: Jan. 23, 2007

This confirms and records CRA's interpretation of the discussions that occurred and our understanding

reached during this meeting. Unless notified in writing within 3 days of the date issued, we will assume that the following interpretation or description is complete and accurate.

MEETING MINUTES

Reference No. 13968

PROJECT: GM Powertrain Removal Action Project

OWNER: General Motors CONTRACT NO.: 13968(41, 89)

RE: Construction Meeting

LOCATION: Bedford, Indiana DATE: January 16, 2007 TIME: 01:00 p.m.

Participants:

Terri Stewart; CRA	Earney Funderburg; ENTACT	Robin Compton; ENTACT
Dan Nelson; CRA	Sebastian Bahr; ENTACT	Dan DalPorto; Sevenson
	Ed Long, ENTACT	Chris Bement, Sevenson

Distribution:

Cheryl Hiatt; GM	Ed Peterson; GM	Glenn Turchan; CRA
Jim McGuigan; CRA	Jeff Daniel; CRA	Katie Kamm; CRA
Terri Channing; CRA	Mary Kelly; CRA	Peter Ramanauskas; USEPA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Pricilla Fonseca; USEPA
Jean Greensley; USEPA		

Item	*Description*	*Action By*
1.0	**HEALTH AND SAFETY**	
1.1	Contractors were reminded of GM requirements that no vehicle shall be left running without an operator inside the cab: exceptions are made for PTO operated equipment (i.e. pump, fuel, and water trucks). In these exceptions the front and back driver's side tires will be chocked.	ENTACT/SES
2.0	**REQUEST FOR INFORMATION**	
2.1	None.	--
3.0	**GENERAL WORK ACTIVITIES**	
3.1	ENTACT continues to perform road maintenance and operate the truck decon as needed.	ENTACT
3.2	Water management activities and site maintenance work was conducted by both contractors, as appropriate.	SES/ENTACT
3.3	SES completed the construction of the haul road extension to GA-2 on 01-11-07. ENTACT continues to perform all road maintenance as appropriate.	SES/ENTACT
3.4	SES was requested to re-construct the tire wash pad removed during Exc. Area #1 excavations. The location will be determined by ENTACT given that this pad will also be used in the East Plant capping activities.	ENTACT/SES
3.5	ENTACT noted the 3 x 100' x 100' tarps borrowed by HRC have not been replaced. CRA will look into the issue.	ENTACT/CRA

Item	Description	Action By
4.0	**GRADING AREAS # 1, 2, 3 AND 4, FILL AREAS (FA-1A & FA-1B)**	
4.1	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
4.2	ENTACT continues to perform necessary maintenance to the grading and fill areas, as appropriate.	ENTACT
5.0	**VAULT AREA AOI7**	
5.1	Sevenson's performed additional repairs to a leaking joint in the leak detection manhole between risers 2 and 3 on 01-15-07. Both SES and CRA continue to monitor the leak detection manhole joints to confirm all leaks are identified and repaired.	SES/CRA
5.2	The leachate collection manhole pump failed on 01-13-07. The pump was repaired on 01-15-07. SES noted the meter was clogged with silt and is currently being repaired. SES will continue to pump bypassing the meter until repairs are completed.	SES
5.3	SES completed the interim grading of materials placed in the vault to date on 01-10-07.	SES
6.0	**EXCAVATION AREA #1 /FILL PLACEMENT**	
6.1	SES continues to contain, pump, and treat all water within the excavations.	SES
6.2	SES continues to receive <50-ppm material from the downstream parcels and place the material in Excavation Area 1.	SES
6.3	SES continues to smooth roll and mulch all exposed surfaces daily.	SES
6.4	SES anticipates the Exc. Area #1 fill placement to be completed by 02-20-07.	SES
6.5	Once Exc. Area #1 fill placement is complete, SES will cover all back filled areas with semi-permanent tarps (shingle keyed in place) to prevent soil erosion of impacted materials to the creek, pending budget approval.	SES
6.6	The >50-ppm excavations of the soils beneath the GA #1 berm were completed on 01-10-07. Restoration and semi permanent tarp placement was completed on 01-16-07.	SES
6.7	SES will provide CRA a survey of GA-1 to include the <50-ppm soil locations within the re-constructed perimeter berms.	SES
6.8	Material hauling from the downstream excavation to the East Plant placement area was halted ½ day on 01-12-07 and full days on 01-13-07, 01-15-07 and 01-16-07 due to heavy rain.	SES/CRA
7.0	**WORK HOURS**	
7.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m. <50 soils to be delivered to the East Plant Area between 7:30 a.m. and 3:30 p.m.	ENTACT
7.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m.	ENTACT
7.3	SES is working Monday through Saturday 7:00 a.m. to 5:00 p.m.	ENTACT
7.4	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.0	**SUB-CONTRACTORS ON-SITE**	
8.1	Bledsoe, Riggert, and Guerrettaz – Surveying	SES
8.2	McIntyre Contractors – SES pump repairs	SES

☐ Attachments: _____

Prepared By: Terri Steward Date Issued: Jan. 31, 2007

This confirms and records CRA's interpretation of the discussions that occurred and our understanding reached during this meeting. Unless notified in writing within 3 days of the date issued, we will assume that the following interpretation or description is complete and accurate.

MEETING MINUTES

Reference No. 13968

PROJECT: GM Powertrain Removal Action Project

OWNER: General Motors CONTRACT NO.: 13968(41, 89)

RE: Construction Meeting

LOCATION: Bedford, Indiana DATE: January 30, 2007 TIME: 01:00 p.m.

Participants:

Terri Stewart; CRA	Earney Funderburg; ENTACT	Robin Compton; ENTACT
Dan Nelson; CRA	Ed Long, ENTACT	Dan Sekanovich; Sevenson
	Sebastian Bahr; ENTACT	

Distribution:

Cheryl Hiatt; GM	Ed Peterson; GM	Glenn Turchan; CRA
Jim McGuigan; CRA	Jeff Daniel; CRA	Katie Kamm; CRA
Terri Channing; CRA	Mary Kelly; CRA	Peter Ramanauskas; USEPA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Jean Greensley; USEPA

Item	*Description*	*Action By*
1.0	**HEALTH AND SAFETY**	
1.1	CRA discussed cold weather related injuries. SES/ENTACT stated crews have been advised in daily tailgate meetings of necessary precautions and dangers to watch for.	SES/ENTACT
2.0	**REQUEST FOR INFORMATION**	
2.1	None.	--
3.0	**GENERAL WORK ACTIVITIES**	
3.1	ENTACT continues to perform road maintenance and operate the truck decon as appropriate. Additional stone would be needed to repair the hill and haul road leading to dump ramp 2. The current haul road is usable due to the frozen ground. Repairs will be performed when the ground thaws.	ENTACT
3.2	Water management activities and site maintenance work was conducted by both contractors, as appropriate.	SES/ENTACT
3.3	SES re-constructed the tire wash pad removed during Exc. Area #1 excavations on 01-30-07. SES will reinstall the drainage pipe.	SES
3.4	HRC returned the tarps borrowed from ENTACT on 01-25-07.	ENTACT
3.5	SES continues to repair construction and silt fencing throughout the work areas.	SES
3.6	SES noted that current cold temperatures have prevented the deconning of equipment needed to clean the haul road west of the storm pond. Work will be completed as weather permits.	SES

Item	Description	Action By
3.7	ENTACT was requested to have their street sweeper use caution when sweeping the corner of Breckenridge and North Jackson due to air monitoring concerns.	ENTACT
4.0	**GRADING AREAS # 1, 2, 3 AND 4, FILL AREAS (FA-1A & FA-1B)**	
4.1	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
4.2	ENTACT continues to perform necessary maintenance to the grading and fill areas, as appropriate.	ENTACT
5.0	**VAULT AREA AOI7**	
5.1	SES began flushing the leak detection sump starting on 01-24-07 in accordance with the approved Mannik & Smith report. SES will perform 2 complete flushing procedures then proceed pending analytical results. SES confirmed during the flushing of the sump the added water is being allowed to completely settle (i.e. no bubbling, sloshing, or waves in the manhole, and the water is staying at a constant level for 5 minutes) prior to removal.	SES
5.2	SES noted their pumps within the vault are being shut down and drained at night to avoid freezing during extreme cold temperatures.	SES
6.0	**EXCAVATION AREA #1 /FILL PLACEMENT**	
6.1	SES continues to contain, pump, and treat all water within the excavations.	SES
6.2	SES continues to receive <50-ppm material from the downstream parcels and place the material in Excavation Area 1.	SES
6.3	SES continues to smooth roll exposed surfaces daily. CRA advised SES to halt the application of mulch on the <50-ppm soil effective 01-29-07.	SES
6.4	SES anticipates the Exc. Area #1 fill placement to be completed by 02-20-07.	SES
6.5	SES completed placing the erosion controls in the area of the >50-ppm excavation beneath the GA #1 berm on 01-27-07.	SES
7.0	**WORK HOURS**	
7.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m. <50 soils to be delivered to the East Plant Area between 7:30 a.m. and 3:30 p.m.	ENTACT
7.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m.	ENTACT
7.3	SES is working Monday through Saturday 7:00 a.m. to 5:00 p.m.	ENTACT
7.4	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.0	**SUB-CONTRACTORS ON-SITE**	
8.1	Bledsoe, Riggert, and Guerrettaz – Surveying	SES

☐ Attachments: _____

Prepared By: Terri Stewart Date Issued: March 5, 2007

This confirms and records CRA's interpretation of the discussions that occurred and our understanding

reached during this meeting. Unless notified in writing within 3 days of the date issued, we will assume that the following interpretation or description is complete and accurate.

MEETING MINUTES

Reference No. 13968

PROJECT: GM Powertrain Removal Action Project

OWNER: General Motors CONTRACT NO.: 13968(41, 89)

RE: Construction Meeting

LOCATION: Bedford, Indiana DATE: February 06, 2007 TIME: 01:00 p.m.

Participants:

Terri Stewart; CRA	Earney Funderburg; ENTACT	Robin Compton; ENTACT
Dan Nelson; CRA	Ed Long, ENTACT	Dan Sekanovich; Sevenson
	Sebastian Bahr; ENTACT	

Distribution:

Cheryl Hiatt; GM	Ed Peterson; GM	Glenn Turchan; CRA
Jim McGuigan; CRA	Jeff Daniel; CRA	Katie Kamm; CRA
Terri Channing; CRA	Mary Kelly; CRA	Peter Ramanauskas; USEPA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Jean Greensley; USEPA

Item	*Description*	*Action By*
1.0	**HEALTH AND SAFETY**	
1.1	SES/ENTACT discussed cold weather related injuries and stated crews have been advised necessary precautions and dangers to watch for.	SES/ENTACT
1.2	SES advised laborers working at East Plant dump ramp #2 would be in modified level "D" PPE.	SES
2.0	**REQUEST FOR INFORMATION**	
2.1	None.	--
3.0	**GENERAL WORK ACTIVITIES**	
3.1	ENTACT continues to perform road maintenance and operate the truck decon as appropriate.	ENTACT
3.2	Water management activities and site maintenance work was conducted by both contractors, as appropriate.	SES/ENTACT
3.3	SES added the tire wash pad drainage pipe.	SES
3.4	SES continues to repair construction and silt fencing throughout the work areas. SES noted a heavy duty fence has been ordered and will be placed immediately following its arrival.	SES
3.5	SES completed the repairs to the haul road west of the storm pond and the road is now considered a clean road.	SES
3.6	Both contractors were reminded to monitor the weather in anticipation of work shut downs.	

Item	*Description*	*Action By*
4.0	**GRADING AREAS # 1, 2, 3 AND 4, FILL AREAS (FA-1A & FA-1B)**	
4.1	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
4.2	ENTACT continues to perform necessary maintenance to the grading and fill areas, as appropriate.	ENTACT
5.0	**VAULT AREA AOI7**	
5.1	SES completed two (2) rounds of flushing in the leak detection sump. Analytical results area pending. CRA will review and determine if additional flushing activities are required.	SES
5.2	SES noted their pumps within the vault are drained at night to avoid freezing during extreme cold temperatures.	SES
6.0	**EXCAVATION AREA #1 /FILL PLACEMENT**	
6.1	SES continues to contain, pump, and treat all water within the excavations.	SES
6.2	SES continues to receive <50-ppm material from the downstream parcels and place the material in Excavation Area 1.	SES
6.3	ENTACT shut down material hauling to the East Plant on 02-01-07 due to snow and on 02-05-07 and 02-06-07 due to extreme cold temperatures. ENTACT also advised there would be no hauling on 02-07-07 due to the forecast of additional snow.	ENTACT
6.4	SES continues to smooth roll exposed surfaces daily.	SES
6.5	SES anticipates the Exc. Area #1 fill placement to be completed by 02-20-07.	SES
7.0	**WORK HOURS**	
7.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m. <50 soils to be delivered to the East Plant Area between 7:30 a.m. and 3:30 p.m.	ENTACT
7.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m.	ENTACT
7.3	SES is working Monday through Saturday 7:00 a.m. to 5:00 p.m.	ENTACT
7.4	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.0	**SUB-CONTRACTORS ON-SITE**	
8.1	Bledsoe, Riggert, and Guerrettaz – SES Surveying	SES

☐ Attachments: _____

Prepared By: Terri Stewart Date Issued: March 5, 2007

This confirms and records CRA's interpretation of the discussions that occurred and our understanding reached during this meeting. Unless notified in writing within 3 days of the date issued, we will assume that the following interpretation or description is complete and accurate.

MEETING MINUTES

Reference No. 13968

PROJECT: GM Powertrain Removal Action Project

OWNER: General Motors CONTRACT NO.: 13968(41, 89)

RE: Construction Meeting

LOCATION: Bedford, Indiana DATE: February 13, 2007 TIME: 01:00 p.m.

Participants:

Terri Stewart; CRA	Earney Funderburg; ENTACT	Robin Compton; ENTACT
Dan Nelson; CRA	Steve Barnes, ENTACT	Dan Sekanovich; Sevenson

Distribution:

Cheryl Hiatt; GM	Ed Peterson; GM	Glenn Turchan; CRA
Jim McGuigan; CRA	Jeff Daniel; CRA	Katie Kamm; CRA
Terri Channing; CRA	Mary Kelly; CRA	Peter Ramanauskas; USEPA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Jean Greensley; USEPA

Item	*Description*	*Action By*
1.0	**HEALTH AND SAFETY**	
1.1	SES was reminded of proper PPE requirements for the East Plant area.	SES
2.0	**REQUEST FOR INFORMATION**	
2.1	SES requested information on ordering materials required for the tarping of AOI-4. Following the meeting SES was advised of approval to proceed.	CRA
3.0	**GENERAL WORK ACTIVITIES**	
3.1	ENTACT continues to perform road maintenance and operate the truck decon as appropriate.	ENTACT
3.2	Water management activities and site maintenance work was conducted by both contractors, as appropriate.	SES/ENTACT
3.3	SES continues to repair construction and silt fencing throughout the work areas.	SES
3.4	Contractors were advised that CRA would be half-staffed on 03-06-07 & 03-07-07 due to 8-hour refresher training.	CRA
3.5	ENTACT was advised the monthly East Plant Cap meeting would be held following the weekly meeting on 03-06-07.	ENTACT/CRA

Item	Description	Action By
4.0	**GRADING AREAS # 1, 2, 3 AND 4, FILL AREAS (FA-1A & FA-1B)**	
4.1	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
4.2	ENTACT continues to perform necessary maintenance to the grading and fill areas, as appropriate.	ENTACT
4.3	ENTACT advised the sump drain pipe for Fill Area #1A cracked due to extreme cold temperatures on 02-13-07. The repair was made immediately.	ENTACT
4.4	ENTACT noted high winds are forecasted for the next few days. Repairs to the tarps will be completed when safe to do so.	ENTACT
5.0	**VAULT AREA AOI7**	
5.1	SES noted test results for the leak detection sump would arrive to CRA by 02-20-07. CRA will review and determine if additional flushing activities are required.	SES
	SES noted the first weekly test of the leak detection sump was performed on 02-12-07.	SES
5.2	SES noted their pumps within the vault are drained at night to avoid freezing during extreme cold temperatures.	SES
6.0	**EXCAVATION AREA #1 /FILL PLACEMENT**	
6.1	SES continues to contain, pump, and treat all water within the excavations.	SES
6.2	SES continues to receive <50-ppm material from the downstream parcels and place the material in Excavation Area 1.	SES
6.3	ENTACT shut down material hauling to the East Plant on 02-07-07, 02-12-07 & 02-13-07 due to extreme cold and snow. ENTACT also advised there would be no hauling on 02-14-07 due to the forecast of additional snow.	ENTACT
6.4	SES anticipates the Exc. Area #1 fill placement to be completed by 02-20-07.	SES
6.5	Storm water containment would be maintained for the AOI-4 dumping area until tarps are in place.	SES
6.6	ENTACT and SES agreed no hauling would take place on 02-17-07 (Saturday).	SES/ENTACT
7.0	**CAP/FILL PLACEMENT**	
7.1	ENTACT is continuing to provide submittals in accordance with the contract specifications.	ENTACT
7.2	ENTACT noted surveyors would be out on 02-19-07 to located silt fence placement.	ENTACT
8.0	**WORK HOURS**	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 5:00 p.m. <50 soils to be delivered to the East Plant Area between 7:30 a.m. and 3:30 p.m.	ENTACT
8.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m.	ENTACT
8.3	SES is working Monday through Saturday 7:00 a.m. to 5:00 p.m.	ENTACT
8.4	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
9.0	**SUB-CONTRACTORS ON-SITE**	
9.1	Bledsoe, Riggert, and Guerrettaz – SES Surveying	SES

☐ Attachments: _____

Prepared By: Terri Stewart Date Issued: March 5, 2007

This confirms and records CRA's interpretation of the discussions that occurred and our understanding reached during this meeting. Unless notified in writing within 3 days of the date issued, we will assume that the following interpretation or description is complete and accurate.

MEETING MINUTES

Reference No. 13968

PROJECT: GM Powertrain Removal Action Project

OWNER: General Motors CONTRACT NO.: 13968(41, 89)

RE: Construction Meeting

LOCATION: Bedford, Indiana DATE: February 20, 2007 TIME: 01:00 p.m.

Participants:

Terri Stewart; CRA	Earney Funderburg; ENTACT	Robin Compton; ENTACT
Dan Nelson; CRA	Ed Long; ENTACT	Doug Reynolds ; Sevenson
Yelena Moskvina; CRA	Steve Barnes, ENTACT	Chris Bement; Sevenson
	Sebastian Bahr; ENTACT	

Distribution:

Cheryl Hiatt; GM	Ed Peterson; GM	Glenn Turchan; CRA
Jim McGuigan; CRA	Jeff Daniel; CRA	Katie Kamm; CRA
Terri Channing; CRA	Mary Kelly; CRA	Peter Ramanauskas; USEPA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Jean Greensley; USEPA

Item	*Description*	*Action By*
1.0	**HEALTH AND SAFETY**	
1.1	Contractors were reminded to follow their HASP in regards to safety during lightning storms.	SES/ENTACT
1.2	Contractors were reminded about housekeeping and site maintenance.	SES/ENTACT
2.0	**REQUEST FOR INFORMATION**	
2.1	SES was requested to provide HDPE pipe (12", 18", 24", and 36") quantities available on site.	SES
3.0	**GENERAL WORK ACTIVITIES**	
3.1	ENTACT continues to perform road maintenance and operate the truck decon as appropriate.	ENTACT
3.2	Water management activities and site maintenance work was conducted by both contractors, as appropriate.	SES/ENTACT
3.3	Contractors were requested to check and close the Bailey Scales road access gates at the end of the day.	SES/ENTACT
3.4	ENTACT noted that on 02-20-07 a power outage occurred at area "G". Trucks hauling to the East Plant were temporarily re-routed to the GM scales, pending Duke Energy's repair. ENTACT was advised due to recent GM scale inaccuracies (due to freezing) weights will be compared to previous haul weights and adjusted accordingly.	ENTACT

Item	*Description*	*Action By*
4.0	**GRADING AREAS # 1, 2, 3 AND 4, FILL AREAS (FA-1A & FA-1B)**	
4.1	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
4.2	ENTACT continues to perform necessary maintenance to the grading and fill areas, as appropriate.	ENTACT
5.0	**VAULT AREA AOI7**	
5.1	SES will provide test results for the leak detection sump by 02-20-07. CRA will review and determine if additional flushing activities are required.	SES
5.2	SES noted the second of four weekly test of the leak detection sump was performed on 02-20-07.	SES
5.3	SES provided a portion of the analytical results from the flushing of the leak detection sump. SES intends to provide a complete report when all analytical data is received.	SES
6.0	**EXCAVATION AREA #1 /FILL PLACEMENT**	
6.1	SES continues to contain, pump, and treat all water within the excavations.	SES
6.2	ENTACT shut down material hauling to the East Plant from 02-13-07 to 02-15-07 due to snow and icy conditions.	ENTACT
6.3	Hauling to the East Plant was stopped at 1:00 PM on 02-20-07. The area was at the required final elevation and will no longer be accepting material from the downstream parcels.	SES/ENTACT
6.4	SES noted the Exc. Area #1 fill placement was completed on 02-20-07.	SES
6.5	SES was given approval to begin tarp placement in Exc. Area#1 material placement area. SES anticipates completion by 02-24-07. SES will continue to manage storm water until tarps are in place.	SES
7.0	**CAP/FILL PLACEMENT**	
7.1	ENTACT continues to provide submittals in accordance with the contract specifications.	ENTACT
7.2	ENTACT noted material for the silt fencing would be arriving on 02-21-07 and sediment control installation would begin on 02-22-07.	ENTACT
7.3	ENTACT noted heavy equipment for the East Plant work would arrive on 02-28-07.	ENTACT
8.0	**WORK HOURS**	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 5:00 p.m. <50 soils to be delivered to the East Plant Area between 7:30 a.m. and 3:30 p.m.	ENTACT
8.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m.	ENTACT
8.3	SES is working Monday through Saturday 7:00 a.m. to 5:00 p.m.	ENTACT
8.4	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
9.0	**SUB-CONTRACTORS ON-SITE**	
9.1	Bledsoe, Riggert, and Guerrettaz – ENTACT Surveying	SES

☐ Attachments: _____

Prepared By: Terri Stewart Date Issued: March 5, 2007

This confirms and records CRA's interpretation of the discussions that occurred and our understanding reached during this meeting. Unless notified in writing within 3 days of the date issued, we will assume that the following interpretation or description is complete and accurate.

MEETING MINUTES

Reference No. 13968

PROJECT: GM Powertrain Removal Action Project

OWNER: General Motors CONTRACT NO.: 13968(41, 89)

RE: Construction Meeting

LOCATION: Bedford, Indiana DATE: February 27, 2007 TIME: 01:00 p.m.

Participants:

Terri Stewart; CRA	Earney Funderburg; ENTACT	Phil Harkins; ENTACT
Dan Nelson; CRA	Sebastian Bahr; ENTACT	Doug Reynolds ; Sevenson
Katie Kamm; CRA	Robin Compton, ENTACT	Dan Sekanovich; Sevenson

Distribution:

Cheryl Hiatt; GM	Ed Peterson; GM	Glenn Turchan; CRA
Jim McGuigan; CRA	Jeff Daniel; CRA	Katie Kamm; CRA
Terri Channing; CRA	Mary Kelly; CRA	Peter Ramanauskas; USEPA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Jean Greensley; USEPA

Item	*Description*	*Action By*
1.0	**HEALTH AND SAFETY**	
1.1	Contractors were reminded all vehicles on GM property are to have the proper signage identifying contractor and telephone number.	SES/ENTACT
2.0	**REQUEST FOR INFORMATION**	
2.1	None at this time.	
3.0	**GENERAL WORK ACTIVITIES**	
3.1	Water management activities and site maintenance work was conducted by both contractors, as appropriate.	SES/ENTACT
3.2	ENTACT was advised all surface water in the east plant area would need to be directed to Sevenson's upper modutank. ENTACT will work with SES in regards to the possible purchase of pipe already in place to the upper modutank. All site source control water collected in the wet wells will continue to be treated at the WTP.	ENTACT/SES
3.3	ENTACT was made aware that SES is currently refurbishing the modutanks and treatment system.	ENTACT/SES
3.4	Contractors were advised that vehicles/equipment will not cross from the clean haul road through impacted areas to access WW#3 or silt fence construction area. All vehicles entering an impacted area will not re-access the clean haul roads without being properly deconned.	ENTACT/SES
3.5	Contractors were advised that areas in and around sediment ponds are considered clean. Equipment is not permitted in these areas unless approved by CRA.	ENTACT/SES

Item	*Description*	*Action By*
3.6	The primary contacts for the GM WTP operation are George Seng or Kevin Branigan. Call Terri Stewart (use the home number) if unable to contact George or Kevin.	ENTACT
3.7	Air Station #30 has been taken out of service, therefore ENTACT does not need to provide a generator.	ENTACT
4.0	**GRADING AREAS # 1, 2, 3 AND 4, FILL AREAS (FA-1A & FA-1B)**	
4.1	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
4.2	ENTACT was reminded that all tarp and silt fence repairs following a weather event take precedence and are to be completed immediately.	ENTACT
5.0	**VAULT AREA AOI7**	
5.1	SES provided a complete report detailing the leak detection sump flushing and analytical results on 02-27-07. CRA is currently reviewing.	SES
5.2	SES will repair the damaged geonet and upper LLDPE liner in the SE corner of the vault (identified on 01-22-07). SES will cover and secure the area until it is repaired.	SES
5.3	SES will re-mulch the vault when weather permits allowing mulch to adequately dry after placement.	SES
6.0	**EXCAVATION AREA #1 /FILL PLACEMENT**	
6.1	SES continues to contain, pump, and treat all water within the excavations.	SES
6.2	SES noted the Exc. Area #1 fill placement was completed on 02-20-07.	SES
6.3	Tarp placement in Exc. Area#1 will be completed by 03-01-07. SES will continue to manage storm water until tarps are in place. CRA clarified SES is to cover all disturbed surfaces.	SES
7.0	**CAP/FILL PLACEMENT**	
7.1	ENTACT continues to provide submittals in accordance with contract specifications.	ENTACT
7.2	ENTACT began the installation of the erosion control fencing on 02-02-07.	ENTACT
7.3	ENTACT will place additional sediment controls for all disturbed areas.	
7.4	Phil Harkins (ENTACT) arrived on site 03-05-07 for East Plant Health and Safety.	
7.3	Dwight Smith Logging was on site from 02-22-07 to 02-24-07 removing trees within the work area north of GA-1 and east of Pond #5. ENTACT requested to meet with CRA prior to the removal of trees to the east of the WTP.	ENTACT
7.4	ENTACT was given the option to relocate a portion of the silt fence line south of Pond#5 approximately 30' to the east to avoid the underground force main and power supply feeding WW#3.	ENTACT/CRA
8.0	**WORK HOURS**	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 5:00 p.m.	ENTACT
8.2	ENTACT's water management night crew hours are 7:00 p.m. to 6:00 a.m.	ENTACT
8.3	SES is working Monday through Saturday 7:00 a.m. to 5:00 p.m.	ENTACT
8.4	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES

Item	*Description*	*Action By*
9.0	**SUB-CONTRACTORS ON-SITE**	
9.1	Bledsoe, Riggert, and Guerrettaz – ENTACT Surveying	SES

☐ Attachments: _____

Prepared By: Terri Stewart Date Issued: March 22, 2007

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MEETING MINUTES

Reference No. 13968

PROJECT: GM Powertrain Removal Action Project

OWNER: General Motors CONTRACT NO.: 13968(41, 89)

RE: Construction Meeting

LOCATION: Bedford, Indiana DATE: March 06, 2007 TIME: 01:00 p.m.

Participants:

Terri Stewart; CRA	Earney Funderburg; ENTACT	Eric Holtrop; ENTACT
Rick Hoekstra; CRA	Ed Long; ENTACT	Doug Reynolds ; Sevenson
Dan Nelson; CRA	Sebastian Bahr; ENTACT	Dan Sekanovich; Sevenson
Yelena Moskvina; CRA; CRA	Phil Harkins, ENTACT	Chris Bement; Sevenson
	Heather Alcorn; ENTACT	

Distribution:

Cheryl Hiatt; GM	Ed Peterson; GM	Glenn Turchan; CRA
Jim McGuigan; CRA	Jeff Daniel; CRA	Katie Kamm; CRA
Terri Channing; CRA	Mary Kelly; CRA	Peter Ramanauskas; USEPA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Jean Greensley; USEPA

Item	*Description*	*Action By*
1.0	**HEALTH AND SAFETY**	
1.1	CRA is reassessing the severe weather emergency shelter (i.e. tornado shelter) in East Plant.	CRA
2.0	**REQUEST FOR INFORMATION**	
2.1	None at this time.	
3.0	**GENERAL WORK ACTIVITIES**	
3.1	Water management activities and site maintenance work was conducted by both contractors, as appropriate.	SES/ENTACT
3.2	ENTACT assumed control of the East Plant area operation/maintenance excluding the vault on 03-03-07.	ENTACT
3.3	ENTACT was requested to change out CRA's boot wash at the CRA site trailer in the East Plant area.	ENTACT
4.0	**GRADING AREAS # 1, 2, 3 AND 4, FILL AREAS (FA-1A & FA-1B)**	
4.1	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
4.2	ENTACT continues to perform repairs to all grading and fill areas damaged by high winds on 03-02-07 & 03-03-07. Sand bags and rope tie downs are being replaced.	ENTACT

Item	Description	Action By
5.0	**VAULT AREA AOI7**	
5.1	SES provided a complete report detailing the leak detection sump flushing and analytical results on 02-27-07. CRA is reviewing the report.	SES
5.2	SES repaired the damaged area in the SE corner of the vault liner on 03-06-07. A report detailing the repair method was requested.	SES
5.3	SES will re-cover the vault with mulch on 03-07-07.	SES
5.4	ENTACT was advised that once surface water controls are in place re-directing water for treatment at SES's WTP, SES will then re-direct surface water from the vault to a location determined by ENTACT.	ENTACT/SES
5.5	SES was requested to check the leachate collection sump float for proper settings for pump operation.	SES
6.0	**EXCAVATION AREA #1 /FILL PLACEMENT**	
6.1	ENTACT was advised to control/treat additional water collected from the AOI-4 excavation area.	ENTACT
7.0	**CAP/FILL PLACEMENT**	
7.1	ENTACT continues to provide submittals in accordance with contract specifications.	ENTACT
7.2	ENTACT completed the installation of the erosion control fencing in the northeast area on 03-06-07.	ENTACT
7.3	Sediment from SES's modutank would be delivered to the East Plant on 03-09-07 (assuming sample results confirm the material is <50 ppm PCBs). ENTACT will stockpile and cover the material.	ENTACT
7.4	ENTACT was requested to provide a cost estimate for repair of Spring "I" gravity drain. CRA will provide additional detail as requested.	CRA/ENTACT
7.5	ENTACT's mini hoe ram arrived on site on 03-02-07 to break bedrock for fence post placement in NEAOI-10 as per CRA approval. Fence post placement was completed on 03-05-07.	ENTACT
8.0	**WORK HOURS**	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 5:00 p.m.	ENTACT
8.2	ENTACT's water management night crew hours are 7:00 p.m. to 6:00 a.m.	ENTACT
8.3	SES has reduced their crews to water management and night crews for vault maintenance.	SES
9.0	**SUB-CONTRACTORS ON-SITE**	
9.1	Bledsoe, Riggert, and Guerrettaz – ENTACT Surveying	ENTACT

☐ Attachments: _____

Prepared By: Terri Stewart Date Issued: March 22, 2007

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that the following interpretation or description is complete and accurate.

MEETING MINUTES

Reference No. 13968

PROJECT: GM Powertrain Removal Action Project

OWNER: General Motors CONTRACT NO.: 13968(41, 89)

RE: Construction Meeting

LOCATION: Bedford, Indiana DATE: March 13, 2007 TIME: 01:00 p.m.

Participants:

Terri Stewart; CRA	Earney Funderburg; ENTACT	Doug Reynolds ; Sevenson
Dan Nelson; CRA	Ed Long; ENTACT	Dan Sekanovich; Sevenson
Yelena Moskvina; CRA; CRA	Sebastian Bahr; ENTACT	Chris Bement; Sevenson
	Phil Harkins, ENTACT	

Distribution:

Cheryl Hiatt; GM	Ed Peterson; GM	Glenn Turchan; CRA
Jim McGuigan; CRA	Jeff Daniel; CRA	Katie Kamm; CRA
Terri Channing; CRA	Mary Kelly; CRA	Peter Ramanauskas; USEPA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Jean Greensley; USEPA

Item	*Description*	*Action By*
1.0	**HEALTH AND SAFETY**	
1.1	SES replaced the fire extinguisher at WW #3 to accommodate fuel storage tank.	SES
1.2	ENTACT will perform required air monitoring in East Plant work areas prior to revising PPE requirements.	ENTACT
2.0	**REQUEST FOR INFORMATION**	
2.1	None at this time.	
3.0	**GENERAL WORK ACTIVITIES**	
3.1	Water management activities and site maintenance work was conducted by both contractors, as appropriate.	SES/ENTACT
3.2	SES repaired the damage to the collection sump "G" concrete lid on 03-13-07.	SES
3.3	SES placed a permanent cap on the east clean out to collection sump "C" on 03-13-07.	SES
3.4	SES was advised of damage to CH-20, which was bent during sedimentation basin construction activities.	SES
3.5	SES was advised of CH-22, which was buried during sedimentation basin construction activities. SES will expose the corehole casing. CRA will then verify no damage exists.	SES

Item	Description	Action By
4.0	**GRADING AREAS # 1, 2, 3 AND 4, FILL AREAS (FA-1A & FA-1B)**	
4.1	ENTACT continues to perform necessary repairs to all grading and fill area tarps as necessary.	ENTACT
4.2	ENTACT was asked to repair damaged silt fencing and construction fence north of FA-1A (previously requested).	ENTACT
5.0	**VAULT AREA AOI7**	
5.1	SES covered the vault with mulch on 03-07-07.	SES
5.2	SES verified that the leachate collection sump float is operating correctly.	SES
6.0	**SURFACE & STORM WATER CONTROLS**	
6.1	SES and ENTACT will coordinate storm water control piping from the east plant to the modutanks.	SES/ENTACT
6.2	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
7.0	**CAP/FILL PLACEMENT**	
7.1	ENTACT continues to provide submittals in accordance with contract specifications.	ENTACT
7.2	ENTACT continues to place erosion control fencing as designed.	ENTACT
7.3	The material from the upper modutank was brought to the East plant fill area on 03-09-07 after testing confirmed the material to be <50 ppm PCBs.	ENTACT/SES
7.4	CRA provided additional design information for the repair of the Spring I gravity drain.	CRA/ENTACT
7.5	ENTACT exposed the east clean outs to collection system "C" and "H" on 03-12-07.	ENTACT
7.6	ENTACT resumed hauling material from the downstream parcels to the East Plant area on 03-13-07.	ENTACT
7.7	It was recommended that ENTACT inspect and document all existing site structures for current conditions and report any deficiencies to CRA prior to beginning work activities in the area.	ENTACT
8.0	**WORK HOURS**	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 5:30 p.m.	ENTACT
8.2	ENTACT's water management night crew hours are 7:00 p.m. to 6:00 a.m.	ENTACT
8.3	SES has reduced their crews to water management and night crews for vault maintenance, work crews are available as needed.	SES
9.0	**SUB-CONTRACTORS ON-SITE**	
9.1	NA	

☐ Attachments: _____

Prepared By: Terri Stewart Date Issued: March 22, 2007

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reached during this meeting. Unless notified in writing within 3 days of the date issued, we will assume that the following interpretation or description is complete and accurate.

MEETING MINUTES

Reference No. 13968

PROJECT: GM Powertrain Removal Action Project

OWNER: General Motors CONTRACT NO.: 13968(41, 89)

RE: Construction Meeting

LOCATION: Bedford, Indiana DATE: March 20, 2007 TIME: 01:00 p.m.

Participants:

Katie Kamm; CRA	Earney Funderburg; ENTACT	Edgar Longstreet; ENTACT
Terri Stewart; CRA	Ed Long; ENTACT	Doug Reynolds ; Sevenson
Dan Nelson; CRA	Sebastian Bahr; ENTACT	Dan Sekanovich; Sevenson
Yelena Moskvina; CRA	Phil Harkins; ENTACT	Chris Bement; Sevenson

Distribution:

Cheryl Hiatt; GM	Ed Peterson; GM	Glenn Turchan; CRA
Jim McGuigan; CRA	Jeff Daniel; CRA	Katie Kamm; CRA
Terri Channing; CRA	Mary Kelly; CRA	Peter Ramanauskas; USEPA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Jean Greensley; USEPA

Item	*Description*	*Action By*
1.0	**HEALTH AND SAFETY**	
1.1	ENTACT continues to monitor work conditions. PPE requirements are modified (following review by H&S personnel) based on exposures for the anticipated activities.	ENTACT
1.2	ENTACT was reminded that no vehicles will be left running without an operator at the wheel. Exceptions are PTO operated vehicles (i.e. fuel truck, vacuum truck, water truck) with properly placed chocks at drivers' side front and back wheels.	ENTACT
1.3	ENTACT noted that a light plant will be placed at the fill placement area for morning untarping activities.	ENTACT
1.4	SES and ENTACT were advised of nearby GM tornado shelters.	ENTACT/SES
2.0	**REQUEST FOR INFORMATION**	
2.1	None at this time.	
3.0	**GENERAL WORK ACTIVITIES**	
3.1	ENTACT was requested to plan accordingly with weather forecasts to include high winds for all tarping activities.	ENTACT/CRA
3.2	CRA will maintain a log to track all "Active", "Inactive", and "Non-Billable" workdays to be reviewed at each weekly meeting.	CRA
3.3	The next monthly East Plant Cap meeting will be held on 04-03-07 immediately following the weekly meeting.	--

Item	Description	Action By
3.4	ENTACT was reminded the watering of roadways is to be performed for dust control. Roadways are not to be flooded.	ENTACT
3.5	ENTACT was reminded that all CRA directives are to be completed immediately (within an agreed upon time frame) unless otherwise agreed.	CRA/ENTACT
3.6	ENTACT and SES were reminded that as deficiencies are found, the contractor responsible for the deficiency will take action as necessary. If the issue requires immediate response, the contractor identifying the issue will respond until the responsible contractor arrives.	ENTACT/SES
3.7	ENTACT continues to provide submittals in accordance to contract specifications.	ENTACT
4.0	**GRADING AREAS # 1, 2, 3 AND 4, FILL AREAS (FA-1A & FA-1B)**	
4.1	Tarp maintenance continues to be a concern. ENTACT will immediately implement additional measures to ensure existing tarps stay secured to the extent possible during high wind events.	ENTACT
4.2	ENTACT was asked to repair damaged silt fencing and construction fence north of FA-1A.	ENTACT
5.0	**VAULT AREA AOI7**	
5.1	No new activities. SES continues to perform water management and site maintenance work as appropriate.	SES
6.0	**SURFACE & STORM WATER CONTROLS**	
6.1	Water management activities and site maintenance work was conducted by both contractors, as appropriate.	SES/ENTACT
6.2	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
6.3	SES plans to add additional pipe onto the existing vault effluent HDPE pipe. The pipe will tie into ENTACT's storm water pipe (to the modutanks).	SES/ENTACT
6.4	ENTACT was reminded of the severity of sediment transfer to the modutanks and treatment system. ENTACT to remind their work force to inspect all sumps and sediment controls and insure they are properly functioning prior to initiating any pumping activities.	ENTACT
6.5	ENTACT will place additional sediment controls at the sump in the fill placement area by the end of work 03-20-07. CRA will inspect the sediment controls once in place and either approve or require additional efforts.	ENTACT
6.6	ENTACT will notify CRA when changing or relocating any sumps prior to pumping activities being resumed.	ENTACT
7.0	**CAP/FILL PLACEMENT**	
7.1	ENTACT continues to receive <50-ppm material from the downstream parcels and place the material in compacted lifts. ENTACT continues to cover the berm and fill placement area with tarps daily.	ENTACT
7.2	ENTACT was not able to receive material on 03-15-07 due to rain and inadequate space. ENTACT was advised this is a "Non-Billable" workday.	ENTACT
7.3	ENTACT was advised of SES's plans to deliver the remaining modutank sediment material on 03-21-07, pending acceptable analytical results.	SES/ENTACT

Item	*Description*	*Action By*
7.4	ENTACT informed CRA the fill placement area berm perimeters are being expanded as necessary. However, ENTACT feels space will become limited unless structure issues are addressed (i.e. outfall 003 submittal, Spring "I" and collection sump cleaning).	ENTACT
8.0	**SITE STRUCTURES**	
8.1	ENTACT noted Dave O'Mara (concrete contractor) would be on site on 03-22-07 to begin construction of the headwall structure on the east end of Outfall 003, pending CRA approval of the necessary submittals.	ENTACT/CRA
8.2	ENTACT will temporarily block the 36" pipe on the west end of outfall 003 with plywood (or equivalent) prior to the placement and compaction of fill material.	ENTACT
8.3	SES repaired the east clean out to collection system "C" on 03-13-07.	SES
8.4	SES repaired the concrete lid to collection system "G" on 03-13-07.	SES
8.5	CRA requested SES provide cost estimates for the removal of sediment from Collection Systems "A, "C", "H", WW #3, and the lift station.	SES
8.6	ENTACT to continue with silt and super silt fencing around storm pond.	ENTACT
9.0	**WORK HOURS**	
9.1	ENTACT is working Monday through Saturday 7:00 a.m. to 5:30 p.m.	ENTACT
9.2	ENTACT's water management night crew hours are 7:00 p.m. to 6:00 a.m.	ENTACT
9.3	SES has reduced their crews to water management and night crews for vault maintenance, work crews are available as needed.	SES
10.0	**SUB-CONTRACTORS ON-SITE**	
10.1	NA	

☐ Attachments: _____

Prepared By: Terri Stewart Date Issued: April 6, 2007

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MEETING MINUTES

Reference No. 13968

PROJECT: GM Powertrain Removal Action Project

OWNER: General Motors CONTRACT NO.: 13968(41, 89)

RE: Construction Meeting

LOCATION: Bedford, Indiana DATE: March 27, 2007 TIME: 01:00 p.m.

Participants:

Jeff Daniel; CRA	Earney Funderburg; ENTACT	Edgar Longstreet; ENTACT
Terri Stewart; CRA	Ed Long; ENTACT	Doug Reynolds ; Sevenson
Yelena Moskvina; CRA	Phil Harkins; ENTACT	Dan Sekanovich; Sevenson
	John Cooper; ENTACT	Chris Bement; Sevenson

Distribution:

Cheryl Hiatt; GM	Ed Peterson; GM	Glenn Turchan; CRA
Jim McGuigan; CRA	Jeff Daniel; CRA	Katie Kamm; CRA
Terri Channing; CRA	Mary Kelly; CRA	Peter Ramanauskas; USEPA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Jean Greensley; USEPA

Item	*Description*	*Action By*
1.0	**HEALTH AND SAFETY**	
1.1	ENTACT continues to monitor work conditions. PPE requirements are modified (following review by H&S personnel) based on exposures for the anticipated activities.	ENTACT
1.2	ENTACT noted a light plant was placed at the fill placement area for morning untarping activities.	ENTACT
1.3	Flagging personnel will be used for traffic control during equipment/supply deliveries to the East Plant work areas.	ENTACT
2.0	**REQUEST FOR INFORMATION**	
2.1	None at this time.	
3.0	**GENERAL WORK ACTIVITIES**	
3.1	CRA continues to track all "Active", "Inactive", and "Non-Billable" workdays.	CRA
3.2	ENTACT was advised no watering/sweeping of roadways would be performed from 11:45 a.m. to 1:15 p.m. and 2:15 p.m. to 4:00 p.m., revised per GM Plant request.	ENTACT
3.3	ENTACT was reminded to include Yelena Moskvina in all East Plant correspondence.	ENTACT

Item	Description	Action By
3.4	ENTACT was made aware the GM fencing and gate materials removed from the parking lot are currently located north of the aeration building and will need to be relocated to a safe storage location prior to the start of work activities in this area.	ENTACT
3.5	ENTACT was requested to place visible signage at the East Parking lot entryways. Signage will be large enough (minimum 2-3' in size) to be clearly visible from roadway.	ENTACT
3.6	SES requested their daily reports be reduced to once per week due to limited work activities. Daily reports will resume when work activities increase. CRA agreed to the change.	SES
4.0	**GRADING AREAS # 1, 2, 3 AND 4, FILL AREAS (FA-1A & FA-1B)**	
4.1	ENTACT continues to perform necessary repairs to all grading and fill areas as appropriate.	ENTACT
4.2	ENTACT repaired GA-1 berm (area of erosion) on 03-21-07.	ENTACT
5.0	**VAULT AREA AOI7**	
5.1	No new activities. SES continues to perform water management and site maintenance work as appropriate.	SES
6.0	**SURFACE & STORM WATER CONTROLS**	
6.1	Water management activities and site maintenance work was conducted by both contractors, as appropriate.	SES/ENTACT
6.2	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
6.3	SES and ENTACT continue to coordinate efforts in establishing storm water control piping from the East Plant to the modutanks.	SES/ENTACT
7.0	**CAP/FILL PLACEMENT**	
7.1	ENTACT continues to receive <50-ppm material from the downstream parcels and place the material in compacted lifts. ENTACT continues to cover the berm and fill placement area with tarps daily.	ENTACT
7.2	ENTACT was not able to receive material for full day on 03-22-07 due to severe storms and ½ day on 03-23-07 due to approaching storms.	ENTACT
7.3	SES completed the delivery of modutank sediment material to the East Plant fill area on 03-26-07.	SES
7.4	ENTACT informed CRA the fill placement area berm perimeters continue to be expanded as necessary.	ENTACT
7.5	ENTACT was reminded to distribute the large rocks piled in the NE corner of the East Plant fill area to eliminate possible open voids.	ENTACT
8.0	**SITE STRUCTURES**	
8.1	O'Mara will be on site on 03-28-07 to begin the concrete headwall structure on the east end of Outfall 003.	ENTACT/CRA
8.2	Spring "I" gravity drain repairs began on 03-27-07.	ENTACT
8.3	SES will remove sediment from Collection Systems "H", "C", and "A", starting on 04-02-07. WW #3 and the lift station will be cleaned following the completion of HRC activities in AOI-8.	SES

Item	*Description*	*Action By*
8.4	ENTACT continues to place silt fencing around storm pond. Additional sediment controls will be placed at storm drain manhole in NE corner to prevent sediment transfer into the pond.	ENTACT
8.5	Corehole 7 (CH-7) has been abandoned and will be replaced with CH-7A.	ENTACT
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