

RCRA FACILITY INVESTIGATION

QUARTERLY PROGRESS REPORT #23 FOURTH QUARTER 2006

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

EPA ID# IND006036099

**Prepared For:
General Motors Corporation**

**JANUARY 12, 2007
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QUARTERLY PROGRESS REPORT

DISTRIBUTION LIST

U.S. EPA - Waste, Pesticide and Toxins Division, Project Manager	Peter Ramanauskas (2 copies)
U.S. EPA - Emergency Response Branch, On-Scene Coordinator	Brad Stimple
Tetra Tech EM Inc., U.S. EPA Consultant	Stacy DeLaReintrie
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GM WFG Remediation	Cheryl Hiatt/Ed Peterson
CRA Project Coordinator	James McGuigan
ENVIRON	C.Y. Jeng/Steve Song

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 fourth calendar quarter of 2006 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 First Quarter 2007, will be submitted on or before April 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 October 3, and 19, 2006; November 8, and 22, 2006; and December 12, 2006, to discuss project progress (United States Fish and Wildlife Service (USFWS) was also invited to attend the update calls);
- Information sessions for the public were held on December 6, and 7, 2006, at the Facility. The Community Liaison Panel (CLP) met December 8, 2006;
- 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 October 3, 11, 17, 24, and 31, 2006; November 7, 14, 21, and 29, 2006; and December 13, 2006. Additional changes to the East Plant Area AAQMP included:
 - A proposal to modify the Ambient Air Quality Monitoring Plan (AAQMP) was submitted to the U.S. EPA December 7, 2006. The proposal requested a reduction in the frequency of TSP and PCB sampling after the completion of greater than 50 mg/kg PCB soil handling. U.S. EPA submitted comments regarding the proposal December 22, 2006; and
 - GM continues to monitor the results according to U.S. EPA's modifications to the proposed plan and make adjustments to work practices in the East Plant Area, as needed;
- Completion of the excavation of the >50 mg/kg PCB soil from the East Plant Area and placement in the Vault;
- Placement of creek RA <50 mg/kg PCB material in the East Plant Area continued during Fourth Quarter of 2006;
- The revised Vault Construction Quality Assurance (CQA) memo was submitted to the U.S. EPA, October 20, 2006. An additional change approved by U.S. EPA to the Vault Design outlined in the memo, included:

- Bed-ash mixed with material placed in the vault to improve soil compaction starting October 5, 2006;
- Response to IDEM request for a figure showing the locations of drums unearthed during the ≥ 50 mg/kg PCB excavation was submitted November 22, 2006;
- Response to U.S. EPA comments regarding the draft East Plant Area Cover System Design Report was submitted November 23, 2006;
- Response to U.S. EPA comments from October 6, 2006, regarding the RFI Addendum No. 9 Technical Memorandum were submitted October 9, 2006;
- Additional copies of Rule 5 Erosion and Sediment Control Plans previously submitted for the Downstream Parcels, Borrow Source, and East Plant Area Cover System were provided to the U.S. EPA and IDEM as requested, October 18, 2006;
- IDEM submitted comments on the Area of Interest (AOI) 8 Interim Measures (IM);
- Collection of groundwater samples under the RCRA Facility Investigation (RFI) Work Plan: Addendum No. 13 continued into the fourth quarter of 2006. Additional sampling of newly installed groundwater monitoring wells will be completed in early 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 is planned for the next quarter for additional areas around the Facility and at off-Facility locations;
- Phloxine B dye injection was conducted simultaneously at the injection wells MW-X102Y105 and MW-X102Y106 (AOI 9) on August 14, 2006. Groundwater samples were collected for traces of Phloxine B at the proposed monitoring well locations in the approved RFI Work Plan Addendum No. 11 through the first week in December. This dye tracer test has been concluded due to non-detects at all monitoring locations since the beginning of the test;
- 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: October 3, 10, 17, and 24, 2006; November 8, 14, 21, and 28, 2006; and December 5, 12, and 19, 2006. Minutes of these meetings are attached in Appendix B. The Site was shut down the week of December 25, 2006, with the exception of crews to perform water management.

The September 2006, October 2006, and November 2006 CERCLA RA Monthly Progress Reports were submitted during the fourth quarter of 2006. Quarterly Progress Report

#22 for the Third Quarter 2006 was submitted October 13, 2006 with revisions October 18, 2006.

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:

- Addition of bed-ash to material placed in the vault began October 5, 2006;
- Submission of Response to U.S. EPA comments regarding RFI Work Plan: Addendum No. 9 Technical Memorandum on October 9, 2006;
- Submission of additional copies of Rule 5 Erosion and Sediment Control Plans for the Downstream Parcels, Borrow Source, and the East Plant Area Cover System on October 18, 2006;
- Submission of the revised East Plant Area Vault bottom Liner CQA on October 20, 2006;
- Submission of the response to U.S. EPA comments on the East Plant Area Cover System Design Report; and
- Submission of request for modifications to the AAQMP on December 7, 2006.

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 December 6, and 7, 2006, at the Facility. The meetings were held from 6:30 PM to 8:00 PM at the Bedford Facility as a regular information session with presentation boards available for review. Presentations for the meetings are posted on the web site at www.bedfordpowertraincorrectiveaction.com. The next set of public meetings will be held in early 2007 on a date to be determined.

The CLP meeting occurred in this quarter on December 8, 2006. 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 early 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

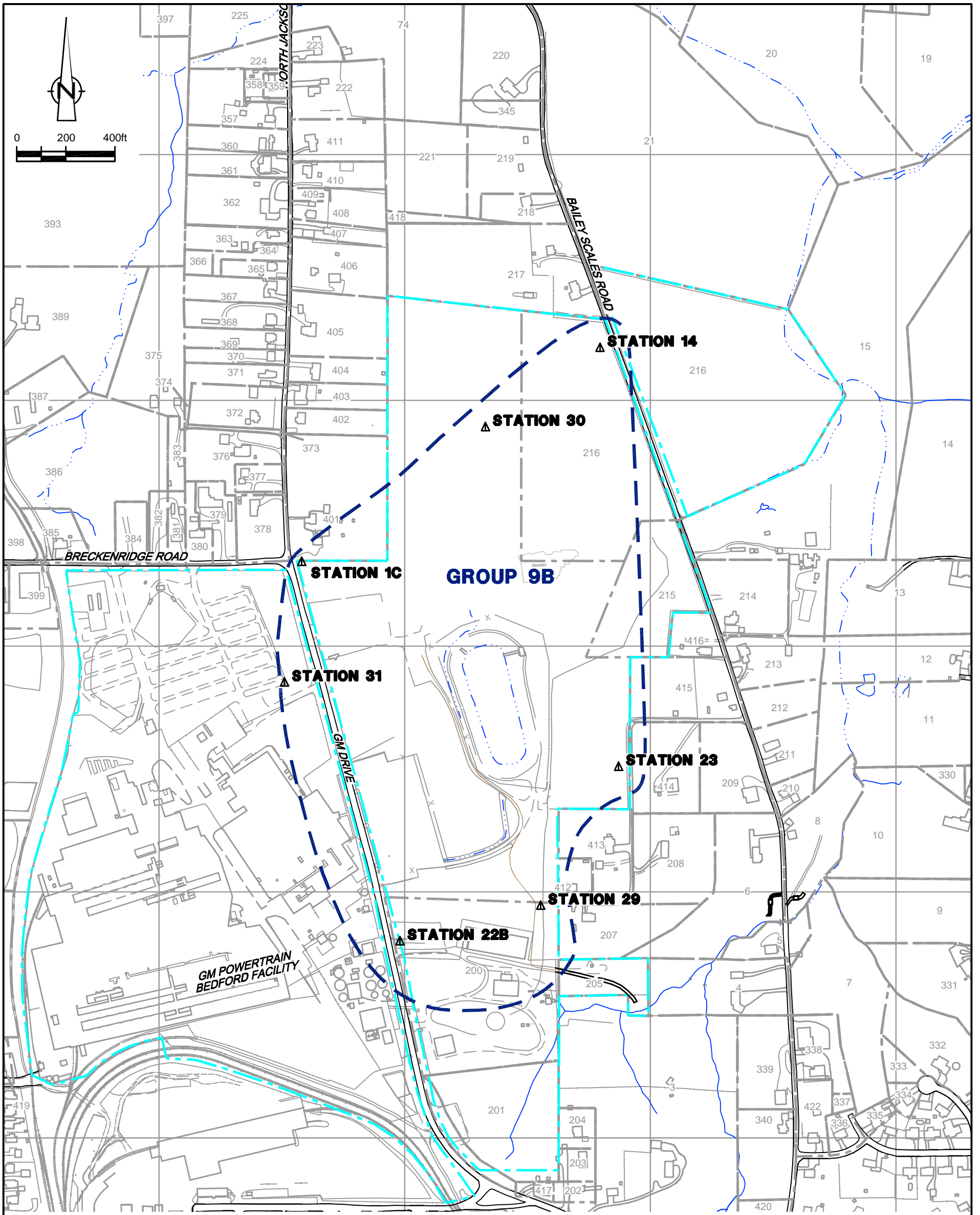
Work projected for the next reporting period includes:

- Conducting an annual review meeting with the U.S. EPA and IDEM on January 25, 2007, with a Site Tour scheduled for the afternoon of January 24, 2007;
- Conducting a neighborhood information session in early 2007 on a date to be determined;
- Conducting a general public information session in early 2007 on a date to be determined;
- Conducting a Community Liaison Panel Meeting in early 2007 on a date to be determined;
- Preparing and distributing Fact Sheet 15 in January 2007;
- 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;
- Submit 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;
- Submitting the RFI Technical Memorandum (final logs and sampling results) for RFI Work Plan: Addenda 3, 4, 5, 6, and 7;
- Completing the temporary cover of the vault for the season ;
- Continuation of placement of the < 50 mg/kg PCB Removal Action soils in the East Plant Area as grading fill.
- Submitting the Final (100%) East Plant Area Cover System Design to the U.S. EPA for review and implementing as soon as practical upon approval of the Final Design;
- Submitting the East Plant Area Trench Design for U.S. EPA review; and
- Submitting responses to U.S. EPA comments on AOI 8 Source Removal Pilot study.

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

Figure 7.1 presents the verification sample results for work completed on Parcels 58 and 60 (analytical results are provided on table 7.1).

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.

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

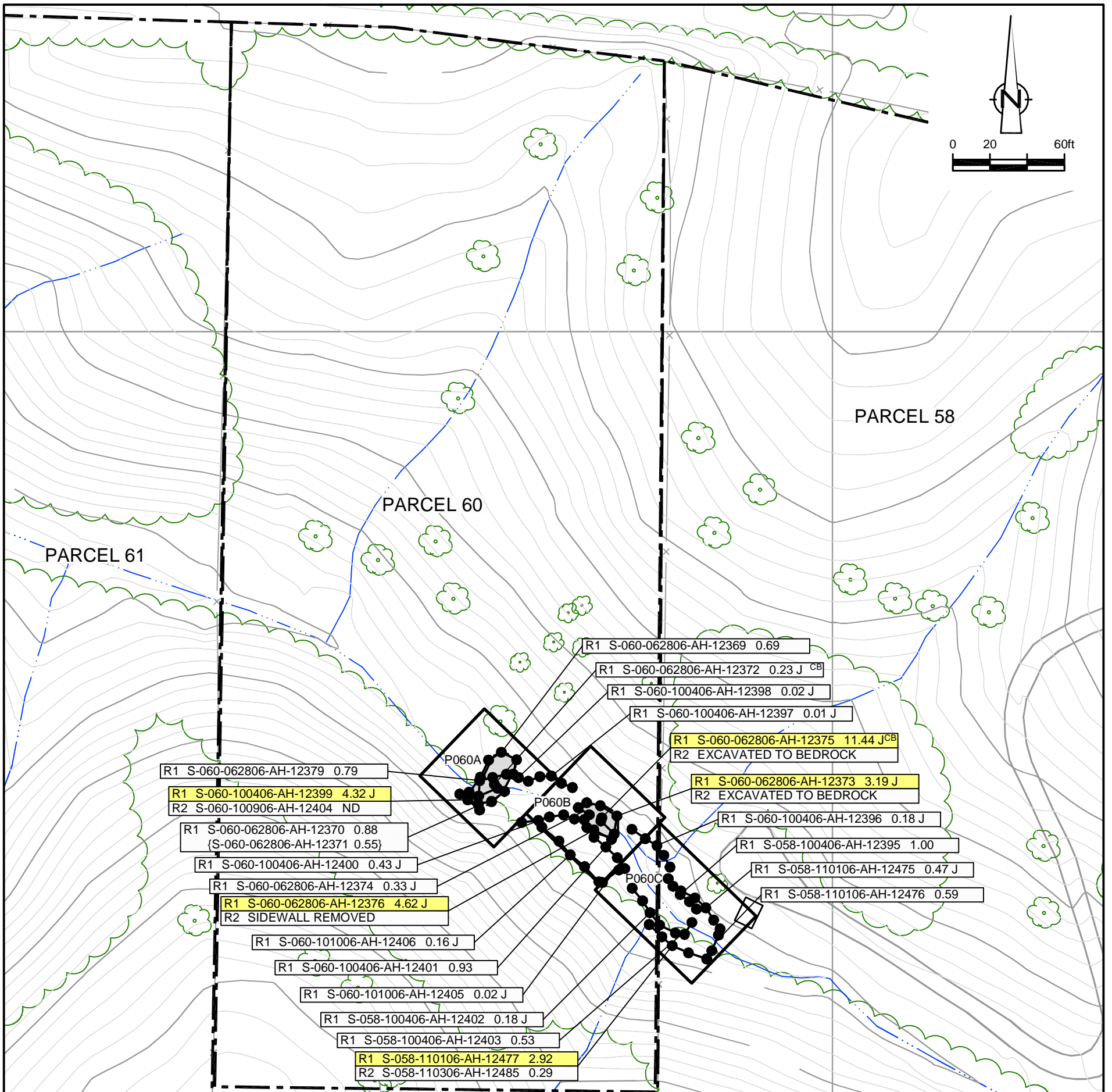
LEGEND

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

figure 2.1

**EAST PLANT AREA AIR MONITORING STATIONS
QUARTERLY PROGRESS REPORT #23
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana**





LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- ROADS / UNPAVED AREAS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- ANTICIPATED AREA OF SOIL EXCAVATION



VERIFICATION RESULTS

- SAMPLE ID**
R1 S-060-062806-AH-12370 0.88
(S-060-062806-AH-12371 0.55)
- TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg**
- DUPLICATE SAMPLE**
- SAMPLING ROUND NUMBER**
- GRAB SAMPLE LOCATION**
- 5-POINT COMPOSITE SIDEWALL SAMPLE**
- SAMPLE RESULT EXCEEDS CLEANUP CRITERIA**
R1 S-060-062806-AH-12376 4.62 J
- ESTIMATE VALUE**
J
- CREEK BED SAMPLE**
CB

EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round		FINAL			
		R1	R2	Sample ID	Result (mg/kg)		
P060	A	S-060-062806-AH-12377	0.02 J	S-060-101206-KH-12433	ND	S-060-101206-KH-12433	ND
	B	S-060-062806-AH-12378	2.33 J	S-060-101206-KH-12434	ND	S-060-101206-KH-12434	ND
	C	S-060-101206-KH-12435	0.01 J	S-060-110106-AH-12478	0.14 J	S-060-110106-AH-12478	0.14 J
UCL Calculations							

GENERAL NOTES:

- (1) Cleanup Criteria
 - a.) Soils to ≤ 1.8 mg/kg.
 - if all results are < 5.0 mg/kg, the cleanup objective can be verified in the Verification Area (approximately 100ft x 200ft) by calculating the Upper Confidence Limit (UCL) of the average concentration using statistics, if the UCL is ≤ 1.8 mg/kg the cleanup objective will be met for the given Verification Area. A value of 0 mg/kg is used in the UCL calculation for sample grids excavated to bedrock.
 - b.) Sediments to ≤ 1 mg/kg.
- (2) Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
- (3) The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
- (4) A value of 0 mg/kg is used for ND in the calculation of Total PCBs. [ENVIRON]
- (5) For UCL calculations, Aroclors 1016, 1221, and 1232 have been assigned a ND value of 0 mg/kg based upon their lack of presence in the data.
 - UCL calculations are performed on Aroclors 1242, 1248, 1254, and 1260 using the half the quantitation limit where ND results are reported. [ENVIRON]
 - UCL calculations included both floor and sidewall samples.
- (6) Data used for UCL calculation result shown are validated.
- (7) The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
- (8) Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
- (9) The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

figure 7.1

**PARCELS 58 AND 60
FINAL UNVALIDATED COMPOSITE SAMPLE RESULTS
QUARTERLY PROGRESS REPORT #23
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana**



**SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS
OCTOBER, NOVEMBER, AND DECEMBER 2006
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
10/2/2006							
Total Volume(m3)	500	403(431)	435	373	467	403	420
Total PCB Mass(ug)	140	25(23)	36	5.9	18	99	32
PCB Concentration(ug/ m3)	0.28	0.062(0.0534)	0.0828	0.0158	0.0385	0.2457	0.0762
Percent of Allowable(%)	28	6(5)	8	2	4	25	8
10/4/2006							
Total Volume(m3)	436	418(432)	398	378	428	416	410
Total PCB Mass(ug)	12	26(24)	57	25	25	77	9.9
PCB Concentration(ug/ m3)	0.0275	0.0622(0.0556)	0.1432	0.0661	0.0584	0.1851	0.0241
Percent of Allowable(%)	3	6(6)	14	7	6	19	2
10/5/2006							
Total Volume(m3)	443	456(456)	407	385	463	423	375
Total PCB Mass(ug)	2.6	1.4(1.6)	110	2.6	4.7	13	3.5
PCB Concentration(ug/ m3)	0.0059	0.0031(0.0035)	0.2703	0.0068	0.0102	0.0307	0.0093
Percent of Allowable(%)	1	0(0)	27	1	1	3	1
10/6/2006							
Total Volume(m3)	422	418(417)	400	366	432	391	378
Total PCB Mass(ug)	10	2.9(3.1)	82	6.1	7.5	25	49
PCB Concentration(ug/ m3)	0.0237	0.0069(0.0074)	0.205	0.0167	0.0174	0.0639	0.1296
Percent of Allowable(%)	2	1(1)	20	2	2	6	13
10/7/2006							
Total Volume(m3)	529	495(444)	487	431	530	484	454
Total PCB Mass(ug)	27	7.5(7.1)	76	8.3	36	34	160
PCB Concentration(ug/ m3)	0.051	0.0152(0.016)	0.1561	0.0193	0.0679	0.0702	0.3524
Percent of Allowable(%)	5	2(2)	16	2	7	7	35
10/9/2006							
Total Volume(m3)	412	401(371)	418	370	437	416	387
Total PCB Mass(ug)	87	20(17)	73	20	50	49	300
PCB Concentration(ug/ m3)	0.2112	0.0499(0.0458)	0.1746	0.0541	0.1144	0.1178	0.7752
Percent of Allowable(%)	21	5(5)	17	5	11	12	78
10/10/2006							
Total Volume(m3)	439	408(365)	415	363	436	398	370
Total PCB Mass(ug)	170	34(30)	15	7.8	13	99	24
PCB Concentration(ug/ m3)	0.3872	0.0833(0.0822)	0.0361	0.0215	0.0298	0.2487	0.0649
Percent of Allowable(%)	39	8(8)	4	2	3	25	6
10/11/2006							
Total Volume(m3)	411	398(341)	400	350	424	386	364
Total PCB Mass(ug)	3.9	22(22)	2.9	23	39	29	1.3
PCB Concentration(ug/ m3)	0.0095	0.0553(0.0645)	0.0072	0.0657	0.092	0.0751	0.0036
Percent of Allowable(%)	1	6(6)	1	7	9	8	0
10/12/2006							
Total Volume(m3)	410	403(375)	345	361	437	410	285
Total PCB Mass(ug)	1.5	5(5.9)	2.6	13	9.5	11	0.8
PCB Concentration(ug/ m3)	0.0037	0.0124(0.0157)	0.0075	0.036	0.0217	0.0268	0.0028
Percent of Allowable(%)	0	1(2)	1	4	2	3	0
10/13/2006							
Total Volume(m3)	455	410(366)	353	345	450	405	373
Total PCB Mass(ug)	1.5	4(4.1)	2.6	11	10	2.7	0.9
PCB Concentration(ug/ m3)	0.0033	0.0098(0.0112)	0.0074	0.0319	0.0222	0.0067	0.0024
Percent of Allowable(%)	0	1(1)	1	3	2	1	0
10/14/2006							
Total Volume(m3)	449	381(340)	355	335	449	385	186
Total PCB Mass(ug)	11	3.5(3.6)	9.1	17	21	13	48
PCB Concentration(ug/ m3)	0.0245	0.0092(0.0106)	0.0256	0.0507	0.0468	0.0338	0.2581
Percent of Allowable(%)	2	1(1)	3	5	5	3	26
10/16/2006							
Total Volume(m3)	447	404(347)	352	349	410	408	190
Total PCB Mass(ug)	110	12(11)	3.7	3.8	4.2	27	49
PCB Concentration(ug/ m3)	0.2461	0.0297(0.0317)	0.0105	0.0109	0.0102	0.0662	0.2579
Percent of Allowable(%)	25	3(3)	1	1	1	7	26

**SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS
OCTOBER, NOVEMBER, AND DECEMBER 2006
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

10/17/2006							
Total Volume(m3)	421	411(341)	316	314	402	372	200
Total PCB Mass(ug)	45	7.5(7.8)	4.5	30	24	15	9.8
PCB Concentration(ug/m3)	0.1069	0.0182(0.0229)	0.0142	0.0955	0.0597	0.0403	0.049
Percent of Allowable(%)	11	2(2)	1	10	6	4	5
10/18/2006							
Total Volume(m3)	466	478(363)	355	331	413	393	207
Total PCB Mass(ug)	200	12(11)	16	26	58	28	98
PCB Concentration(ug/m3)	0.4292	0.0251(0.0303)	0.0451	0.0785	0.1404	0.0712	0.4734
Percent of Allowable(%)	43	3(3)	5	8	14	7	47
10/19/2006							
Total Volume(m3)	447	463(336)	352	321	411	387	184
Total PCB Mass(ug)	2.4	0.6(0)	13	11	46	1.3	1.4
PCB Concentration(ug/m3)	0.0054	0.0013(ND(0.0015))	0.0369	0.0343	0.1119	0.0034	0.0076
Percent of Allowable(%)	1	0(0)	4	3	11	0	1
10/20/2006							
Total Volume(m3)	476	495(375)	338	327	440	461	218
Total PCB Mass(ug)	37	5.4(5.1)	3.1	9.5	13	17	4
PCB Concentration(ug/m3)	0.0777	0.0109(0.0136)	0.0092	0.0291	0.0295	0.0369	0.0183
Percent of Allowable(%)	8	1(1)	1	3	3	4	2
10/21/2006							
Total Volume(m3)	511	505(399)	381	413	476	412	223
Total PCB Mass(ug)	91	7.2(7)	5.3	9.3	12	17	37
PCB Concentration(ug/m3)	0.1781	0.0143(0.0175)	0.0139	0.0225	0.0252	0.0413	0.1659
Percent of Allowable(%)	18	1(2)	1	2	3	4	17
10/23/2006							
Total Volume(m3)	466	495(393)	377	332	508	438	215
Total PCB Mass(ug)	1.5	0(0)	0.9	11	32	0.5	0
PCB Concentration(ug/m3)	0.0032	ND(0.001)(ND(0.0013))	0.0024	0.0331	0.063	0.0011	ND(0.0023)
Percent of Allowable(%)	0	0(0)	0	3	6	0	0
10/24/2006							
Total Volume(m3)	463	478(379)	357	379	445	426	199
Total PCB Mass(ug)	8.6	6(6.4)	9.9	11	27	8.8	40
PCB Concentration(ug/m3)	0.0186	0.0126(0.0169)	0.0277	0.029	0.0607	0.0207	0.201
Percent of Allowable(%)	2	1(2)	3	3	6	2	20
10/25/2006							
Total Volume(m3)	498	473(372)	370	389	454	438	404
Total PCB Mass(ug)	74	15(17)	4.2	2.8	4.1	6.1	120
PCB Concentration(ug/m3)	0.1486	0.0317(0.0457)	0.0114	0.0072	0.009	0.0139	0.297
Percent of Allowable(%)	15	3(5)	1	1	1	1	30
10/26/2006							
Total Volume(m3)	450	455(370)	336	379	434	424	406
Total PCB Mass(ug)	99	7.2(8)	1.1	2.2	2.6	5.6	39
PCB Concentration(ug/m3)	0.22	0.0158(0.0216)	0.0033	0.0058	0.006	0.0132	0.0961
Percent of Allowable(%)	22	2(2)	0	1	1	1	10
10/27/2006							
Total Volume(m3)	460	466(335)	376	381	443	424	392
Total PCB Mass(ug)	13	4.4(4.3)	21	8.6	25	2.7	84
PCB Concentration(ug/m3)	0.0283	0.0094(0.0128)	0.0559	0.0226	0.0564	0.0064	0.2143
Percent of Allowable(%)	3	1(1)	6	2	6	1	21
10/28/2006							
Total Volume(m3)	475	288(358)	398	373	443	386	401
Total PCB Mass(ug)	2.3	1.2(1.2)	2.3	25	67	1.1	1.1
PCB Concentration(ug/m3)	0.0048	0.0042(0.0034)	0.0058	0.067	0.1512	0.0028	0.0027
Percent of Allowable(%)	0	0(0)	1	7	15	0	0
10/30/2006							
Total Volume(m3)	436	286(373)	370	1	425	371	383
Total PCB Mass(ug)	12	50(49)	2.6	*	7.7	61	3.2
PCB Concentration(ug/m3)	0.0275	0.1748(0.1314)	0.007	*	0.0181	0.1644	0.0084
Percent of Allowable(%)	3	17(13)	1	*	2	16	1
10/31/2006							

**SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS
OCTOBER, NOVEMBER, AND DECEMBER 2006
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

Total Volume(m3)	456	291(391)	375	4	442	126	386
Total PCB Mass(ug)	3.8	4(3.3)	16	*	32	*	4
PCB Concentration(ug/m3)	0.0083	0.0137(0.0084)	0.0427	*	0.0724	*	0.0104
Percent of Allowable(%)	1	1(1)	4	*	7	*	1
11/1/2006							
Total Volume(m3)	449	299(384)	419	0	379	43	403
Total PCB Mass(ug)	1.2	0.8(0.7)	5.9	*	24	*	0.6
PCB Concentration(ug/m3)	0.0027	0.0027(0.0018)	0.0141	*	0.0633	*	0.0015
Percent of Allowable(%)	0	0(0)	1	*	6	*	0
11/2/2006							
Total Volume(m3)	484	299(384)	412	2	376	423	398
Total PCB Mass(ug)	5.3	4.5(4.7)	9.3	*	27	5	16
PCB Concentration(ug/m3)	0.011	0.0151(0.0122)	0.0226	*	0.0718	0.0118	0.0402
Percent of Allowable(%)	1	2(1)	2	*	7	1	4
11/3/2006							
Total Volume(m3)	483	315(419)	441	11	402	466	427
Total PCB Mass(ug)	28	6.2(7.1)	4.6	*	14	9	38
PCB Concentration(ug/m3)	0.058	0.0197(0.0169)	0.0104	*	0.0348	0.0193	0.089
Percent of Allowable(%)	6	2(2)	1	*	3	2	9
11/4/2006							
Total Volume(m3)	524	307(444)	480	377	438	358	433
Total PCB Mass(ug)	89	7(6.7)	3	3	3.9	22	11
PCB Concentration(ug/m3)	0.1698	0.0228(0.0151)	0.0062	0.008	0.0089	0.0615	0.0254
Percent of Allowable(%)	17	2(2)	1	1	1	6	3
11/6/2006							
Total Volume(m3)	449	298(416)	394	374	370	385	425
Total PCB Mass(ug)	96	8.5(9.6)	6.6	3.4	4	16	200
PCB Concentration(ug/m3)	0.2138	0.0285(0.0231)	0.0168	0.0091	0.0108	0.0416	0.4706
Percent of Allowable(%)	21	3(2)	2	1	1	4	47
11/7/2006							
Total Volume(m3)	470	290(405)	421	391	384	93	426
Total PCB Mass(ug)	68	5(5.5)	27	21	74	*	26
PCB Concentration(ug/m3)	0.1447	0.0172(0.0136)	0.0641	0.0537	0.1927	*	0.061
Percent of Allowable(%)	14	2(1)	6	5	19	*	6
11/8/2006							
Total Volume(m3)	468	269(389)	442	357	390	0	433
Total PCB Mass(ug)	78	15(16)	7.7	12	26	*	11
PCB Concentration(ug/m3)	0.1667	0.0558(0.0411)	0.0174	0.0336	0.0667	*	0.0254
Percent of Allowable(%)	17	6(4)	2	3	7	*	3
11/9/2006							
Total Volume(m3)	474	299(419)	424	362	389	323	391
Total PCB Mass(ug)	130	79(77)	29	39	66	64	180
PCB Concentration(ug/m3)	0.2743	0.2642(0.1838)	0.0684	0.1077	0.1697	0.1981	0.4604
Percent of Allowable(%)	27	26(18)	7	11	17	20	46
11/10/2006							
Total Volume(m3)	462	474(458)	428	397	378	380	414
Total PCB Mass(ug)	49	38(38)	3.3	10	16	74	8.3
PCB Concentration(ug/m3)	0.1061	0.0802(0.083)	0.0077	0.0252	0.0423	0.1947	0.02
Percent of Allowable(%)	11	8(8)	1	3	4	19	2
11/11/2006							
Total Volume(m3)	548	515(499)	478	405	518	452	459
Total PCB Mass(ug)	1.7	0.9(0.6)	5.3	1.3	46	1.3	4.9
PCB Concentration(ug/m3)	0.0031	0.0017(0.0012)	0.0111	0.0321	0.0888	0.0029	0.0107
Percent of Allowable(%)	0	0(0)	1	3	9	0	1
11/12/2006							
Total Volume(m3)	456	436(410)	382	353	426	338	391
Total PCB Mass(ug)	32	2.5(2.6)	12	1.9	2.6	3.6	110
PCB Concentration(ug/m3)	0.0702	0.0057(0.0063)	0.0314	0.0054	0.0061	0.0107	0.2813
Percent of Allowable(%)	7	1(1)	3	1	1	1	28
11/13/2006							
Total Volume(m3)	487	471(457)	450	328	474	442	431
Total PCB Mass(ug)	38	7.1(7.5)	15	7.4	18	11	54

**SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS
OCTOBER, NOVEMBER, AND DECEMBER 2006
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

PCB Concentration(ug/m3)	0.078	0.0151(0.0164)	0.0333	0.0226	0.038	0.0249	0.1253
Percent of Allowable(%)	8	2(2)	3	2	4	2	13
11/14/2006							
Total Volume(m3)	480	433(434)	433	316	453	411	431
Total PCB Mass(ug)	72	3.2(3.3)	12	2.3	2.5	8	190
PCB Concentration(ug/m3)	0.15	0.0074(0.0076)	0.0277	0.0073	0.0055	0.0195	0.4408
Percent of Allowable(%)	15	1(1)	3	1	1	2	44
11/15/2006							
Total Volume(m3)	437	244(196)	410	309	434	361	425
Total PCB Mass(ug)	5.7	*(*)	12	2	4.2	2.3	63
PCB Concentration(ug/m3)	0.013	*(*)	0.0293	0.0065	0.0097	0.0064	0.1482
Percent of Allowable(%)	1	*(*)	3	1	1	1	15
11/17/2006							
Total Volume(m3)	512	446(417)	463	340	481	476	423
Total PCB Mass(ug)	36	5.1(5.2)	16	5.4	21	11	79
PCB Concentration(ug/m3)	0.0703	0.0114(0.0125)	0.0346	0.0159	0.0437	0.0231	0.1868
Percent of Allowable(%)	7	1(1)	3	2	4	2	19
11/18/2006							
Total Volume(m3)	452	511(513)	440	389	487	505	450
Total PCB Mass(ug)	2.1	0.8(0.7)	6.2	26	49	1.7	2.8
PCB Concentration(ug/m3)	0.0046	0.0016(0.0014)	0.0141	0.0668	0.1006	0.0034	0.0062
Percent of Allowable(%)	0	0(0)	1	7	10	0	1
11/19/2006							
Total Volume(m3)	338	361(359)	328	244	359	364	328
Total PCB Mass(ug)	1	0(0.5)	4.8	12	23	0.8	0.7
PCB Concentration(ug/m3)	0.003	ND(0.0014)(0.0014)	0.0146	0.0492	0.0641	0.0022	0.0021
Percent of Allowable(%)	0	0(0)	1	5	6	0	0
11/20/2006							
Total Volume(m3)	467	429(414)	439	316	462	429	454
Total PCB Mass(ug)	32	7.3(7.1)	25	18	39	9	49
PCB Concentration(ug/m3)	0.0685	0.017(0.0171)	0.0569	0.057	0.0844	0.021	0.1079
Percent of Allowable(%)	7	2(2)	6	6	8	2	11
11/21/2006							
Total Volume(m3)	387	413(421)	373	327	406	435	387
Total PCB Mass(ug)	65	8.3(7.9)	15	13	17	22	83
PCB Concentration(ug/m3)	0.168	0.0201(0.0188)	0.0402	0.0398	0.0419	0.0506	0.2145
Percent of Allowable(%)	17	2(2)	4	4	4	5	21
11/27/2006							
Total Volume(m3)	442	445(374)	390	284	414	416	388
Total PCB Mass(ug)	150	39(32)	3	2.5	4.5	120	7.9
PCB Concentration(ug/m3)	0.3394	0.0876(0.0856)	0.0077	0.0088	0.0109	0.2885	0.0204
Percent of Allowable(%)	34	9(9)	1	1	1	29	2
11/28/2006							
Total Volume(m3)	454	448(390)	412	323	436	421	398
Total PCB Mass(ug)	150	62(49)	6.4	4.4	7.1	110	14
PCB Concentration(ug/m3)	0.3304	0.1384(0.1256)	0.0155	0.0136	0.0163	0.2613	0.0352
Percent of Allowable(%)	33	14(13)	2	1	2	26	4
11/29/2006							
Total Volume(m3)	477	465(376)	405	348	420	434	405
Total PCB Mass(ug)	140	73(2.9)	4	4.5	7.5	140	5.2
PCB Concentration(ug/m3)	0.2935	0.157(0.0077)	0.0099	0.0129	0.0179	0.3226	0.0128
Percent of Allowable(%)	29	16(1)	1	1	2	32	1
11/30/2006							
Total Volume(m3)	439	431(384)	380	308	418	420	396
Total PCB Mass(ug)	4.1	5.8(4.9)	35	9.5	15	7.4	9.8
PCB Concentration(ug/m3)	0.0093	0.0135(0.0128)	0.0921	0.0308	0.0359	0.0176	0.0247
Percent of Allowable(%)	1	1(1)	9	3	4	2	2
12/4/2006							
Total Volume(m3)	464	386(372)	310	302	413	372	406
Total PCB Mass(ug)	0.54	4.8(4.9)	0.69	4.3	4.3	4.9	0
PCB Concentration(ug/m3)	0.0012	0.0124(0.0132)	0.0022	0.0142	0.0104	0.0132	ND(0.0012)
Percent of Allowable(%)	0	1(1)	0	1	1	1	0

**SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS
OCTOBER, NOVEMBER, AND DECEMBER 2006
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

12/5/2006							
Total Volume(m3)	444	458(442)	270	344	434	438	406
Total PCB Mass(ug)	27	13(12)	1.1	2.3	5.6	23	3.4
PCB Concentration(ug/m3)	0.0608	0.0284(0.0271)	0.0041	0.0067	0.0129	0.0525	0.0084
Percent of Allowable(%)	6	3(3)	0	1	1	5	1
12/6/2006							
Total Volume(m3)	458	452(451)	360	322	438	407	359
Total PCB Mass(ug)	1.2	3.9(3.2)	1.7	13	10	2.2	0
PCB Concentration(ug/m3)	0.0026	0.0086(0.0071)	0.0047	0.0404	0.0228	0.0054	ND(0.0014)
Percent of Allowable(%)	0	1(1)	0	4	2	1	0
12/7/2006							
Total Volume(m3)	488	471(429)	375	342	483	443	388
Total PCB Mass(ug)	0	0(0)	2.3	3.9	9.7	0	0
PCB Concentration(ug/m3)	ND(0.001)	ND(0.0011)(ND(0.0012))	0.0061	0.0114	0.0201	ND(0.0011)	ND(0.0013)
Percent of Allowable(%)	0	0(0)	1	1	2	0	0
12/11/2006							
Total Volume(m3)	433	427(383)	365	326	430	380	360
Total PCB Mass(ug)	160	6.5(5.5)	8.5	3.7	2.9	34	37
PCB Concentration(ug/m3)	0.3695	0.0152(0.0144)	0.0233	0.0113	0.0067	0.0895	0.1028
Percent of Allowable(%)	37	2(1)	2	1	1	9	10
12/13/2006							
Total Volume(m3)	456	397(424)	359	1	455	385	371
Total PCB Mass(ug)	7.4	53(55)	1.8	*	8.9	41	1.6
PCB Concentration(ug/m3)	0.0162	0.1335(0.1297)	0.005	*	0.0196	0.1065	0.0043
Percent of Allowable(%)	2	13(13)	0	*	2	11	0
12/14/2006							
Total Volume(m3)	433	397(440)	336	316	421	378	0
Total PCB Mass(ug)	5.5	43(41)	0	6.3	13	40	*
PCB Concentration(ug/m3)	0.0127	0.1083(0.0932)	0	0.0199	0.0309	0.1058	*
Percent of Allowable(%)	1	11(9)	0	2	3	11	*
12/15/2006							
Total Volume(m3)	438	396(424)	326	324	408	218	366
Total PCB Mass(ug)	25	5.7(5.3)	23	23	15	*	48
PCB Concentration(ug/m3)	0.0571	0.0144(0.0125)	0.0706	0.071	0.0368	*	0.1311
Percent of Allowable(%)	6	1(1)	7	7	4	*	13
12/16/2006							
Total Volume(m3)	485	444(507)	399	362	476	495	434
Total PCB Mass(ug)	59	49(46)	4	9.2	11	63	5.4
PCB Concentration(ug/m3)	0.1216	0.1104(0.0907)	0.01	0.0254	0.0231	0.1273	0.0124
Percent of Allowable(%)	12	11(9)	1	3	2	13	1
12/18/2006							
Total Volume(m3)	422	308(368)	399	310	419	351	382
Total PCB Mass(ug)	3	2.1(1.9)	36	11	17	3	1.5
PCB Concentration(ug/m3)	0.0071	0.0068(0.0052)	0.0902	0.0355	0.0406	0.0085	0.0039
Percent of Allowable(%)	1	1(1)	9	4	4	1	0
12/19/2006							
Total Volume(m3)	430	402(444)	411	315	450	410	415
Total PCB Mass(ug)	27	5.5(5.5)	67	5.5	15	6	58
PCB Concentration(ug/m3)	0.0628	0.0137(0.0124)	0.163	0.0175	0.0333	0.0146	0.1398
Percent of Allowable(%)	6	1(1)	16	2	3	1	14
12/20/2006							
Total Volume(m3)	455	408(467)	379	318	430	391	411
Total PCB Mass(ug)	35	5.9(5.1)	42	3.3	3	160	7.6
PCB Concentration(ug/m3)	0.0769	0.0145(0.0109)	0.1108	0.0104	0.007	0.4092 J	0.0185
Percent of Allowable(%)	8	1(1)	11	1	1	41	2

Notes:

* - Results not reported due to machine malfunction

J - Estimated Result

ND - Non-detect

**SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - OCTOBER TO DECEMBER 2006
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 29 TSP-8	STATION 30 TSP-1	STATION 31 TSP-16
10/2/2006							
Total Volume(m3)	1380	1193(1390)	1183	1407	1206	1176	1258
Average Flow(m3/min)	0.91	0.85(0.99)	0.79	0.98	0.8	0.85	0.84
TSP Concentration(mg/m3)	0.058	0.0427(0.046)	0.0676	0.0327	0.0539	0.0655	0.0437
Percent of Allowable(%)	51	38(41)	UPWIND	29	48	58	39
10/4/2006							
Total Volume(m3)	1257	1275(1344)	1167	1144	1130	1179	1177
Average Flow(m3/min)	0.89	0.91(0.96)	0.82	0.82	0.79	0.84	0.83
TSP Concentration(mg/m3)	0.0811	0.0541(0.0506)	0.096	0.0682	0.0912	0.056	0.0527
Percent of Allowable(%)	51	34(32)	UPWIND	43	57	35	33
10/5/2006							
Total Volume(m3)	1289	1578(1561)	1238	1451	1452	1405	1375
Average Flow(m3/min)	0.9	1.06(1.05)	0.85	1.01	0.97	0.96	0.95
TSP Concentration(mg/m3)	0.0147	0.0266(0.0218)	0.0759	0.0262	0.0145	0.0128	0.0182
Percent of Allowable(%)	40	UPWIND(UPWIND)	208 ⁽¹⁾	72	40	35	50
10/6/2006							
Total Volume(m3)	1075	1499(1361)	1837	1328	1144	1189	1304
Average Flow(m3/min)	0.76	1.1(1)	1.33	0.98	0.82	0.88	0.93
TSP Concentration(mg/m3)	0.0372	0.02(0.0309)	0.0523	0.0392	0.035	0.0219	0.0299
Percent of Allowable(%)	72	UPWIND(UPWIND)	101 ⁽¹⁾	76	68	42	58
10/7/2006							
Total Volume(m3)	1377	1819(1748)	2279	1640	1483	1559	1595
Average Flow(m3/min)	0.78	1.05(1.01)	1.31	0.95	0.84	0.9	0.91
TSP Concentration(mg/m3)	0.0414	0.0231(0.0349)	0.0351	0.0402	0.0243	0.0276	0.0401
Percent of Allowable(%)	71	UPWIND(UPWIND)	60	69	42	47	69
10/9/2006							
Total Volume(m3)	967	1373(1405)	1777	1312	1200	1122	1191
Average Flow(m3/min)	0.68	0.94(0.96)	1.23	0.92	0.82	0.78	0.83
TSP Concentration(mg/m3)	0.1148	0.0393(0.0484)	0.0557	0.0488	0.04	0.0597	0.0915
Percent of Allowable(%)	142 ⁽¹⁾	UPWIND(UPWIND)	69	60	49	74	113 ⁽²⁾
10/10/2006							
Total Volume(m3)	1157	1476(1490)	1901	1367	1221	1207	1217
Average Flow(m3/min)	0.79	0.99(1)	1.28	0.94	0.81	0.82	0.82
TSP Concentration(mg/m3)	0.1288	0.0562(0.0611)	0.0626	0.0549	0.0647	0.0953	0.1487
Percent of Allowable(%)	123 ⁽¹⁾	54(58)	UPWIND	53	62	91	142 ⁽²⁾
10/11/2006							
Total Volume(m3)	2573	1373(1417)	1858	1447	1213	1219	1221
Average Flow(m3/min)	1.82	0.95(0.98)	1.3	0.99	0.83	0.85	0.84
TSP Concentration(mg/m3)	0.0163	0.016(0.0289)	0.0301	0.0415	0.0528	0.0328	0.0262
Percent of Allowable(%)	32	32(57)	UPWIND	83	105 ⁽³⁾	65	52
10/12/2006							
Total Volume(m3)	1100	1114(1378)	1914	1420	1240	1281	1341
Average Flow(m3/min)	0.79	0.76(0.94)	1.33	1.02	0.85	0.88	0.95
TSP Concentration(mg/m3)	0.0855	0.0377(0.0377)	0.0418	0.0444	0.0597	0.0414	0.035
Percent of Allowable(%)	122 ⁽¹⁾	54(54)	UPWIND	64	86	59	50

**SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - OCTOBER TO DECEMBER 2006
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 29 TSP-8	STATION 30 TSP-1	STATION 31 TSP-16
10/13/2006							
Total Volume(m3)	1155	1129(1381)	1967	1655	1365	1285	1311
Average Flow(m3/min)	0.81	0.76(0.93)	1.34	1.15	0.91	0.88	0.91
TSP Concentration(mg/m3)	0.0788	0.0523(0.0319)	0.0447	0.035	0.0637	0.0475	0.0397
Percent of Allowable(%)	106 ⁽¹⁾	70(43)	UPWIND	47	85	64	53
10/14/2006							
Total Volume(m3)	1000	1066(1313)	1223	1417	NR	1227	2091
Average Flow(m3/min)	0.69	0.77(0.95)	0.86	1.01	NR	0.89	1.46
TSP Concentration(mg/m3)	0.085	0.0432(0.016)	0.0515	0.055	NR	0.0367	0.0225
Percent of Allowable(%)	99	50(19)	UPWIND	64	NR	43	26
10/16/2006							
Total Volume(m3)	997	988(1327)	1190	1576	1083	1212	2019
Average Flow(m3/min)	0.69	0.67(0.9)	0.81	1.08	0.81	0.83	1.38
TSP Concentration(mg/m3)	0.0221	0.0152(0.0151)	0.0202	0.0197	0.0139	0.019	0.0139
Percent of Allowable(%)	95	65(65)	87	85	UPWIND	82	60
10/17/2006							
Total Volume(m3)	1024	892(1276)	1179	1529	1178	1201	1890
Average Flow(m3/min)	0.73	0.65(0.93)	0.82	1.07	0.82	0.84	1.32
TSP Concentration(mg/m3)	0.0283	0.0314(0.0157)	0.0483	0.0281	0.0314	0.0241	0.0159
Percent of Allowable(%)	35	39(19)	UPWIND	35	39	30	20
10/18/2006							
Total Volume(m3)	1442	999(1325)	1224	1255	1299	1225	2007
Average Flow(m3/min)	0.99	0.68(0.9)	0.83	0.87	0.88	0.84	1.36
TSP Concentration(mg/m3)	0.0347	0.043(0.0506)	0.0539	0.0478	0.0293	0.0245	0.0284
Percent of Allowable(%)	71	88(103) ⁽⁴⁾	110 ⁽¹⁾	98	UPWIND	50	58
10/19/2006							
Total Volume(m3)	1276	1081(1306)	1234	1257	1164	1220	1922
Average Flow(m3/min)	0.91	0.76(0.92)	0.87	0.9	0.82	0.88	1.39
TSP Concentration(mg/m3)	0.0133	0.013(0.0107)	0.0308	0.0772	0.0189	0.0066	0.013
Percent of Allowable(%)	UPWIND	59(48)	139 ⁽¹⁾	348 ⁽⁵⁾	85	30	59
10/20/2006							
Total Volume(m3)	1523	1051(1449)	1260	1670	1268	1496	2081
Average Flow(m3/min)	1.03	0.69(0.95)	0.86	1.12	0.84	0.94	1.43
TSP Concentration(mg/m3)	0.0525	0.0533(0.0317)	0.0548	0.0347	0.0331	0.0154	0.0226
Percent of Allowable(%)	95	96(57)	99	63	UPWIND	28	41
10/21/2006							
Total Volume(m3)	1648	1074(1461)	1308	1457	1300	1310	637
Average Flow(m3/min)	1.02	0.69(0.94)	0.82	0.95	0.83	0.89	0.4
TSP Concentration(mg/m3)	0.0231	0.0419(0.0226)	0.026	0.0213	0.0231	0.0153	0.0581
Percent of Allowable(%)	60	109(59) ⁽⁴⁾	67	55	UPWIND	40	151 ⁽²⁾
10/23/2006							
Total Volume(m3)	1347	1032(1358)	1944	1329	1293	1230	2029
Average Flow(m3/min)	0.94	0.7(0.92)	1.34	0.92	0.88	0.84	1.41
TSP Concentration(mg/m3)	0.0505	0.0281(0.0258)	0.0448	0.0813	0.0526	0.0244	0.0217
Percent of Allowable(%)	UPWIND	33(31)	53	96	62	29	26

**SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - OCTOBER TO DECEMBER 2006
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 29 TSP-8	STATION 30 TSP-1	STATION 31 TSP-16
10/24/2006							
Total Volume(m3)	1504	1121(1322)	1963	1308	1294	1252	1997
Average Flow(m3/min)	1.07	0.78(0.92)	1.37	0.93	0.9	0.88	1.41
TSP Concentration(mg/m3)	0.0485	0.0473(0.0439)	0.0438	0.0497	0.0325	0.0184	0.031
Percent of Allowable(%)	UPWIND	58(54)	54	61	40	23	38
10/25/2006							
Total Volume(m3)	1589	826(1359)	1979	1344	1275	1297	1229
Average Flow(m3/min)	1.08	0.72(0.93)	1.32	0.93	0.87	0.91	0.85
TSP Concentration(mg/m3)	0.056	0.0593(0.0589)	0.0273	0.0417	0.0212	0.037	0.0773
Percent of Allowable(%)	158 ⁽¹⁾	167(166) ⁽⁴⁾	77	118 ⁽⁵⁾	UPWIND	105 ⁽⁶⁾	218 ⁽²⁾
10/26/2006							
Total Volume(m3)	1235	1029(1364)	1890	1293	1316	1157	1179
Average Flow(m3/min)	0.88	0.71(0.94)	1.35	0.92	0.91	0.79	0.83
TSP Concentration(mg/m3)	0.0162	0.0175(0.0117)	0.0111	0.0209	0.0129	0.0121	0.0399
Percent of Allowable(%)	46	50(34)	32	UPWIND	37	35	114 ⁽²⁾
10/27/2006							
Total Volume(m3)	1556	NR(NR)	1870	1365	1089	1166	1195
Average Flow(m3/min)	1.08	NR(NR)	1.29	0.93	0.73	0.77	0.82
TSP Concentration(mg/m3)	ND(0.0006)	NR(NR)	0.0176	0.0418	0.0064	0.0137	0.0502
Percent of Allowable(%)	NR	NR(NR)	77	183 ⁽⁵⁾	28	UPWIND	219 ⁽²⁾
10/28/2006							
Total Volume(m3)	981	841(1301)	1211	1309	1124	1119	1204
Average Flow(m3/min)	0.66	0.6(0.93)	0.82	0.91	0.76	0.81	0.81
TSP Concentration(mg/m3)	0.0683	0.0309(0.0085)	0.033	0.0474	0.0383	0.0223	0.0249
Percent of Allowable(%)	124 ⁽¹⁾	56(15)	UPWIND	86	69	40	45
10/30/2006							
Total Volume(m3)	794	900(1262)	1153	6	1040	860	1216
Average Flow(m3/min)	0.56	0.62(0.87)	0.81	*	0.71	0.71	0.86
TSP Concentration(mg/m3)	0.1096	0.0833(0.0507)	0.0338	*	0.0654	0.1419	0.0452
Percent of Allowable(%)	194 ⁽¹⁾	148(90) ⁽⁴⁾	UPWIND	*	116 ⁽³⁾	251 ⁽⁶⁾	80
10/31/2006							
Total Volume(m3)	985	870(1097)	1227	15	1137	0	1192
Average Flow(m3/min)	0.69	0.73(0.92)	0.85	*	0.77	*	0.83
TSP Concentration(mg/m3)	0.0538	0.0264(ND(0.0009))	0.0424	*	0.0255	*	0.0445
Percent of Allowable(%)	122 ⁽¹⁾	UPWIND(UPWIND)	96	*	58	*	101 ⁽²⁾
11/1/2006							
Total Volume(m3)	1048	1094(1351)	1214	4	1196	0	1293
Average Flow(m3/min)	0.72	0.76(0.94)	0.84	*	0.82	*	0.9
TSP Concentration(mg/m3)	0.0821	0.0201(0.0355)	0.0857	*	0.0192	*	0.0565
Percent of Allowable(%)	UPWIND	15(26)	63	*	14	*	41
11/2/2006							
Total Volume(m3)	1089	1154(1410)	1210	11	1129	0	1352
Average Flow(m3/min)	0.77	0.8(0.98)	0.85	*	0.78	*	0.95
TSP Concentration(mg/m3)	0.0716	0.0485(0.0142)	0.0983	*	0.0735	*	0.0422
Percent of Allowable(%)	58	40(12)	80	*	UPWIND	*	34

**SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - OCTOBER TO DECEMBER 2006
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 29 TSP-8	STATION 30 TSP-1	STATION 31 TSP-16
11/3/2006							
Total Volume(m3)	1072	669(868)	1297	33	1299	0	1342
Average Flow(m3/min)	0.73	*(*)	0.85	*	0.84	*	0.91
TSP Concentration(mg/m3)	0.1054	*(*)	0.0933	*	0.0431	*	0.0544
Percent of Allowable(%)	146 ⁽¹⁾	*(*)	130 ⁽¹⁾	*	UPWIND	*	76
11/4/2006							
Total Volume(m3)	1196	1013(1536)	1347	1468	1267	0	1429
Average Flow(m3/min)	0.73	0.73(0.99)	0.84	1.09	0.78	*	0.89
TSP Concentration(mg/m3)	0.0385	0.0602(0.0475)	0.046	0.0334	0.041	*	0.0301
Percent of Allowable(%)	56	88(69)	67	49	UPWIND	*	44
11/6/2006							
Total Volume(m3)	1034	449(1301)	953	1296	1122	1	1111
Average Flow(m3/min)	0.76	0.3(0.87)	0.7	0.97	0.82	*	0.81
TSP Concentration(mg/m3)	0.028	0.0735(0.0323)	0.0325	0.027	0.0481	*	0.063
Percent of Allowable(%)	35	92(40)	40	34	UPWIND	*	78
11/7/2006							
Total Volume(m3)	884	323(1378)	1221	1434	1267	30	1123
Average Flow(m3/min)	0.62	0.22(0.94)	0.84	0.99	0.86	*	0.79
TSP Concentration(mg/m3)	0.0192	0.031(0.0145)	0.0156	0.0502	0.0237	*	0.0169
Percent of Allowable(%)	79	UPWIND(UPWIND)	64	207 ⁽⁵⁾	98	*	70
11/8/2006							
Total Volume(m3)	1007	327(1239)	1179	1414	1295	2	604
Average Flow(m3/min)	0.71	0.24(0.91)	0.8	0.98	0.86	*	0.39
TSP Concentration(mg/m3)	0.0536	0.1193(0.0484)	0.1332	0.0474	0.0595	*	0.1026
Percent of Allowable(%)	24	54(22)	UPWIND	21	27	*	46
11/9/2006							
Total Volume(m3)	877	321(1416)	931	1366	1195	779	1054
Average Flow(m3/min)	0.61	0.21(0.93)	0.66	0.98	0.83	0.65	0.78
TSP Concentration(mg/m3)	0.2178	0.2181(0.077)	0.1547	0.0454	0.0728	0.086	0.0806
Percent of Allowable(%)	84	84(30)	UPWIND	18	28	33	31
11/10/2006							
Total Volume(m3)	1234	511(1340)	1104	1188	1253	1157	1127
Average Flow(m3/min)	0.88	0.35(0.92)	0.77	0.84	0.86	0.76	0.79
TSP Concentration(mg/m3)	0.0632	0.0294(0.0396)	0.058	0.021	0.0519	0.0458	0.0417
Percent of Allowable(%)	65	30(41)	UPWIND	22	54	47	43
11/11/2006							
Total Volume(m3)	1068	430(1543)	1243	1471	1418	1408	1267
Average Flow(m3/min)	0.68	0.27(0.97)	0.78	0.94	0.87	0.87	0.83
TSP Concentration(mg/m3)	0.0225	0.0326(0.0175)	0.0306	0.07	0.0141	0.0107	0.0213
Percent of Allowable(%)	UPWIND	87(47)	81	186 ⁽⁵⁾	38	28	57
11/12/2006							
Total Volume(m3)	1143	614(1343)	1029	1342	1532	949	1149
Average Flow(m3/min)	0.9	0.47(1.03)	0.79	1.05	1.15	0.84	0.88
TSP Concentration(mg/m3)	0.0131	0.0212(0.0067)	0.0301	0.0216	0.0137	0.0169	0.0235
Percent of Allowable(%)	36	59(19)	83	UPWIND	38	47	65

**SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - OCTOBER TO DECEMBER 2006
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 29 TSP-8	STATION 30 TSP-1	STATION 31 TSP-16
11/13/2006							
Total Volume(m3)	922	421(1191)	1146	1355	1380	1241	1313
Average Flow(m3/min)	0.64	0.29(0.82)	0.79	0.95	0.93	0.84	0.91
TSP Concentration(mg/m3)	0.0564	0.0926(0.0285)	0.0672	0.0266	0.0297	0.0363	0.0213
Percent of Allowable(%)	114 ⁽¹⁾	187(57) ⁽⁴⁾	135 ⁽¹⁾	54	UPWIND	73	43
11/14/2006							
Total Volume(m3)	946	749(1396)	1141	1327	1302	1193	1153
Average Flow(m3/min)	0.65	0.51(0.95)	0.79	0.92	0.89	0.81	0.8
TSP Concentration(mg/m3)	0.0349	0.0401(0.0279)	0.028	0.0294	0.0177	0.031	0.0399
Percent of Allowable(%)	71	82(57)	57	UPWIND	36	63	81
11/15/2006							
Total Volume(m3)	901	584(1305)	863	1237	1317	1013	1077
Average Flow(m3/min)	0.64	0.42(0.94)	0.61	0.88	0.91	0.7	0.76
TSP Concentration(mg/m3)	0.0078	0.0325(0.0199)	0.0394	0.021	0.0068	0.0118	0.013
Percent of Allowable(%)	23	UPWIND(UPWIND)	119 ⁽¹⁾	63	20	36	39
11/17/2006							
Total Volume(m3)	1055	665(1198)	1223	1259	1389	694	1297
Average Flow(m3/min)	0.68	0.47(0.85)	0.79	0.89	0.92	0.47	0.86
TSP Concentration(mg/m3)	0.0626	0.0391(0.0401)	0.0581	0.0381	0.0374	0.0029	0.0463
Percent of Allowable(%)	65	40(41)	UPWIND	39	39	3	48
11/18/2006							
Total Volume(m3)	1248	866(1663)	1324	1364	1615	1448	1386
Average Flow(m3/min)	0.8	0.5(0.96)	0.84	0.81	0.96	0.83	0.86
TSP Concentration(mg/m3)	0.0304	0.0381(0.0295)	0.0559	0.1048	0.0415	ND(0.0007)	0.0375
Percent of Allowable(%)	UPWIND	75(58)	110 ⁽¹⁾	206 ⁽⁵⁾	82	0	74
11/19/2006							
Total Volume(m3)	852	567(1144)	998	1027	1340	955	998
Average Flow(m3/min)	0.73	0.48(0.97)	0.85	0.88	1.12	0.79	0.85
TSP Concentration(mg/m3)	0.0129	0.0053(0.0131)	0.0331	0.0721	0.0067	ND(0.001)	0.009
Percent of Allowable(%)	UPWIND	25(61)	154 ⁽¹⁾	335 ⁽⁵⁾	31	0	42
11/20/2006							
Total Volume(m3)	1116	719(1420)	1517	1263	1806	1201	1288
Average Flow(m3/min)	0.74	0.51(1.01)	1	0.92	1.17	0.84	0.85
TSP Concentration(mg/m3)	0.0753	0.0445(0.0401)	0.0659	0.0428	0.0227	0.0183	0.0497
Percent of Allowable(%)	112 ⁽¹⁾	UPWIND(UPWIND)	98	64	34	27	74
11/21/2006							
Total Volume(m3)	818	827(1492)	1358	1368	1624	1261	1191
Average Flow(m3/min)	0.61	0.56(1.01)	1.02	0.92	1.2	0.84	0.89
TSP Concentration(mg/m3)	0.0795	0.029(0.0328)	0.0449	0.0329	0.0234	0.023	0.0277
Percent of Allowable(%)	203 ⁽¹⁾	74(84)	115 ⁽¹⁾	84	UPWIND	59	71
11/27/2006							
Total Volume(m3)	1122	632(1291)	1201	1125	1313	1180	1166
Average Flow(m3/min)	0.81	0.45(0.92)	0.86	0.83	0.92	0.82	0.84
TSP Concentration(mg/m3)	0.0588	0.0601(0.0356)	0.0883	0.032	0.0579	0.0297	0.048
Percent of Allowable(%)	40	41(24)	UPWIND	22	39	20	33

**SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - OCTOBER TO DECEMBER 2006
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 29 TSP-8	STATION 30 TSP-1	STATION 31 TSP-16
11/28/2006							
Total Volume(m3)	867	610(1344)	1281	1376	1425	1165	1096
Average Flow(m3/min)	0.61	0.43(0.95)	0.9	0.92	0.98	0.8	0.77
TSP Concentration(mg/m3)	0.0657	0.0656(0.0558)	0.0687	0.048	0.0604	0.0532	0.0721
Percent of Allowable(%)	57	57(49)	UPWIND	42	53	46	63
11/29/2006							
Total Volume(m3)	1157	558(1336)	1679	1177	1441	1211	1132
Average Flow(m3/min)	0.8	0.38(0.91)	1.16	0.89	0.97	0.81	0.78
TSP Concentration(mg/m3)	0.0441	0.0394(0.0337)	0.0363	0.0263	0.0354	0.0124	0.0451
Percent of Allowable(%)	73	65(56)	UPWIND	43	58	20	74
11/30/2006							
Total Volume(m3)	1118	676(1352)	1338	1272	1430	1179	1203
Average Flow(m3/min)	0.79	0.48(0.96)	0.95	0.94	0.99	0.82	0.85
TSP Concentration(mg/m3)	0.0009	0.0074(0.017)	0.0254	0.0173	0.0063	0.0042	0.0333
Percent of Allowable(%)	3	UPWIND(UPWIND)	89	61	22	15	117 ⁽²⁾
12/4/2006							
Total Volume(m3)	1203	657(1156)	1517	1146	1442	1043	1181
Average Flow(m3/min)	0.88	0.54(0.95)	1.28	0.96	1.08	0.84	0.87
TSP Concentration(mg/m3)	0.0466	0.0244(0.032)	0.0389	0.0314	0.0437	0.0374	ND(0.0008)
Percent of Allowable(%)	72	38(49)	UPWIND	48	67	58	0
12/5/2006							
Total Volume(m3)	1275	794(1412)	1844	1407	1709	1226	1
Average Flow(m3/min)	0.89	0.55(0.98)	1.28	0.98	1.18	0.84	*
TSP Concentration(mg/m3)	0.0588	0.0302(0.0432)	0.0331	0.0419	0.0878	0.0065	*
Percent of Allowable(%)	106 ⁽¹⁾	55(78)	UPWIND	76	159 ⁽³⁾	12	*
12/6/2006							
Total Volume(m3)	1218	768(1395)	1669	1361	1548	1731	1063
Average Flow(m3/min)	0.85	0.54(0.98)	1.16	0.97	1.06	1.19	0.74
TSP Concentration(mg/m3)	0.0911	0.0221(0.0301)	0.0431	0.0419	0.0885	0.0243	0.0198
Percent of Allowable(%)	127 ⁽¹⁾	31(42)	UPWIND	58	123 ⁽³⁾	34	28
12/7/2006							
Total Volume(m3)	1163	985(1462)	1903	1370	1583	1844	1252
Average Flow(m3/min)	0.81	0.68(1.01)	1.32	1	1.09	1.25	0.87
TSP Concentration(mg/m3)	0.0258	0.0142(0.0144)	0.031	0.0336	0.0815	0.0152	0.0168
Percent of Allowable(%)	UPWIND	33(33)	72	78	189	35	39
12/11/2006							
Total Volume(m3)	1078	784(1291)	1687	1258	1481	1553	1035
Average Flow(m3/min)	0.77	0.57(0.94)	1.2	0.95	1.04	1.13	0.74
TSP Concentration(mg/m3)	0.0566	0.0408(0.0318)	0.0279	0.0374	0.0466	0.0322	0.0261
Percent of Allowable(%)	73	52(41)	36	48	UPWIND	41	34
12/13/2006							
Total Volume(m3)	1576	1015(1358)	1053	8	1800	1732	542
Average Flow(m3/min)	1.1	0.71(0.95)	0.73	*	1.22	1.17	0.38
TSP Concentration(mg/m3)	0.0393	0.0217(0.0162)	0.0731	*	0.0344	0.0242	0.0775
Percent of Allowable(%)	32	18(13)	UPWIND	*	28	20	63

**SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - OCTOBER TO DECEMBER 2006
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BEDFORD, INDIANA**

Unit_ID	STATION 1C TSP-12	STATION 14 TSP-11(TSP-5)	STATION 22B TSP-9	STATION 23 TSP-3	STATION 29 TSP-8	STATION 30 TSP-1	STATION 31 TSP-16
12/14/2006							
Total Volume(m3)	962	769(1418)	1768	1364	1576	1742	1004
Average Flow(m3/min)	0.67	0.52(0.96)	1.21	0.94	1.05	1.15	0.68
TSP Concentration(mg/m3)	0.0738	0.026(0.0162)	0.0486	0.0279	0.0438	0.0218	0.0508
Percent of Allowable(%)	91	32(20)	UPWIND	34	54	27	63
12/15/2006							
Total Volume(m3)	1138	785(1355)	1560	1355	1632	976	1010
Average Flow(m3/min)	0.8	0.55(0.95)	1.1	0.96	1.12	*	0.71
TSP Concentration(mg/m3)	0.1459	0.0191(0.0185)	0.0365	0.0185	0.0263	*	0.0168
Percent of Allowable(%)	520 ⁽¹⁾	68(66)	130 ⁽⁷⁾	66	94	*	UPWIND
12/16/2006							
Total Volume(m3)	1324	1040(1583)	2082	1577	1838	0	1204
Average Flow(m3/min)	0.79	0.63(0.96)	1.25	0.96	1.08	*	0.72
TSP Concentration(mg/m3)	0.0793	0.0154(0.0202)	0.0235	0.026	0.0511	*	0.0291
Percent of Allowable(%)	202	39(51)	UPWIND	66	130 ⁽³⁾	*	74
12/18/2006							
Total Volume(m3)	1084	646(1207)	1454	1419	1510	1316	873
Average Flow(m3/min)	0.81	0.54(1.01)	1.06	1.05	1.08	1.19	0.64
TSP Concentration(mg/m3)	0.1734	0.0557(0.0439)	0.0715	0.0451	0.0364	0.0182	0.0641
Percent of Allowable(%)	237 ⁽¹⁾	UPWIND(UPWIND)	98	62	50	25	87
12/19/2006							
Total Volume(m3)	1176	720(1423)	1693	1492	1598	1804	1232
Average Flow(m3/min)	0.82	0.52(1.03)	1.19	1.04	1.1	1.23	0.86
TSP Concentration(mg/m3)	0.1769	0.0708(0.0541)	0.0526	0.0442	0.0394	0.0227	0.0584
Percent of Allowable(%)	196 ⁽¹⁾	UPWIND(UPWIND)	58	49	44	25	65
12/20/2006							
Total Volume(m3)	1232	657(1459)	1315	1462	1649	1817	1220
Average Flow(m3/min)	0.83	0.45(1)	0.9	1.01	1.11	1.21	0.83
TSP Concentration(mg/m3)	0.043	0.0472(0.0336)	0.0221	0.026	0.0243	0.0143	0.0279
Percent of Allowable(%)	99	109(77) ⁽⁴⁾	51	UPWIND	56	33	64

* - Results not reported due to machine malfunction

NR - No result because machine was not setup

ND - Non-detect

⁽¹⁾ - Exceedance primarily attributed to project and local traffic along public roads.

⁽²⁾ - Exceedance primarily attributed to truck traffic along public roads and plant traffic in parking lot.

⁽³⁾ - Exceedance primarily attributed to project traffic along the WTP haul road.

⁽⁴⁾ - Exceedance primarily attributed to contractor activities in the laydown area.

⁽⁵⁾ - No work conducted in the vicinity of the air monitoring station.

⁽⁶⁾ - Exceedance primarily attributed to >50 ppm excavation in Excavation Plan 1.

⁽⁷⁾ - Exceedance primarily attributed to excavation activities for 48-inch sewer installation.

TABLE 7.1

**PARCELS 58 AND 60 VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Area of Interest:</i>	<i>P058</i>	<i>P058</i>	<i>P058</i>	<i>P058</i>
<i>Location Name:</i>	<i>058-12395</i>	<i>058-12402</i>	<i>058-12403</i>	<i>058-12475</i>
<i>Sample Name:</i>	<i>S-058-100406-AH-12395</i>	<i>S-058-100406-AH-12402</i>	<i>S-058-100406-AH-12403</i>	<i>S-058-110106-AH-12475</i>
<i>Sample Date:</i>	<i>10/4/2006</i>	<i>10/4/2006</i>	<i>10/4/2006</i>	<i>11/1/2006</i>
<i>Depth:</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>
<i>Sampling Reason:</i>	<i>RFI Verification</i>	<i>RFI Verification</i>	<i>RFI Verification</i>	<i>RFI Verification</i>

<i>Parameters</i>	<i>Units</i>				
<i>Polychlorinated biphenyls</i>					
Aroclor-1016 (PCB-1016)	ug/kg	41 U	43 U	45 U	42 U
Aroclor-1221 (PCB-1221)	ug/kg	41 U	43 U	45 U	42 U
Aroclor-1232 (PCB-1232)	ug/kg	41 U	43 U	45 U	42 U
Aroclor-1242 (PCB-1242)	ug/kg	41 U	43 U	45 U	42 U
Aroclor-1248 (PCB-1248)	ug/kg	900	160	470	440
Aroclor-1254 (PCB-1254)	ug/kg	41 U	43 U	45 U	42 U
Aroclor-1260 (PCB-1260)	ug/kg	96	19 J	62	27 J
Total PCBs	ug/kg	996	179 J	532	467 J
<i>General Chemistry</i>					
Total Solids	%	79.7	76.4	74.1	78.6

Notes:

U - Not present at or above the associated value

J - Estimated value.

TABLE 7.1

**PARCELS 58 AND 60 VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Area of Interest:</i>	<i>P058</i>	<i>P058</i>	<i>P058</i>	<i>P060</i>	
<i>Location Name:</i>	<i>058-12476</i>	<i>058-12477</i>	<i>058-12485</i>	<i>060-12373</i>	
<i>Sample Name:</i>	<i>S-058-110106-AH-12476</i>	<i>S-058-110106-AH-12477</i>	<i>S-058-110306-AH-12485</i>	<i>S-060-062806-AH-12373</i>	
<i>Sample Date:</i>	<i>11/1/2006</i>	<i>11/1/2006</i>	<i>11/3/2006</i>	<i>6/28/2006</i>	
<i>Depth:</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	
<i>Sampling Reason:</i>	<i>RFI Verification</i>	<i>RFI Verification</i>	<i>RFI Verification</i>	<i>RFI Verification</i>	
Parameters	Units				
Polychlorinated biphenyls					
Aroclor-1016 (PCB-1016)	ug/kg	39 U	230 U	42 U	210 U
Aroclor-1221 (PCB-1221)	ug/kg	39 U	230 U	42 U	210 U
Aroclor-1232 (PCB-1232)	ug/kg	39 U	230 U	42 U	210 U
Aroclor-1242 (PCB-1242)	ug/kg	39 U	230 U	42 U	3100
Aroclor-1248 (PCB-1248)	ug/kg	500	2600	230	210 U
Aroclor-1254 (PCB-1254)	ug/kg	39 U	230 U	42 U	210 U
Aroclor-1260 (PCB-1260)	ug/kg	86	320	56	92 J
Total PCBs	ug/kg	586	2920	286	3192 J
General Chemistry					
Total Solids	%	84.7	70.9	78.5	79.1

Notes:

U - Not present at or above the associated value

J - Estimated value.

TABLE 7.1

**PARCELS 58 AND 60 VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Area of Interest:</i>	<i>P060</i>	<i>P060</i>	<i>P060</i>	<i>P060</i>	
<i>Location Name:</i>	<i>060-12375</i>	<i>060-12376</i>	<i>060-12396</i>	<i>060-12397</i>	
<i>Sample Name:</i>	<i>S-060-062806-AH-12375</i>	<i>S-060-062806-AH-12376</i>	<i>S-060-100406-AH-12396</i>	<i>S-060-100406-AH-12397</i>	
<i>Sample Date:</i>	<i>6/28/2006</i>	<i>6/28/2006</i>	<i>10/4/2006</i>	<i>10/4/2006</i>	
<i>Depth:</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	
<i>Sampling Reason:</i>	<i>RFI Verification</i>	<i>RFI Verification</i>	<i>RFI Verification</i>	<i>RFI Verification</i>	
<i>Parameters</i>	<i>Units</i>				
<i>Polychlorinated biphenyls</i>					
Aroclor-1016 (PCB-1016)	ug/kg	930 U	420 U	45 U	43 U
Aroclor-1221 (PCB-1221)	ug/kg	930 U	420 U	45 U	43 U
Aroclor-1232 (PCB-1232)	ug/kg	930 U	420 U	45 U	43 U
Aroclor-1242 (PCB-1242)	ug/kg	930 U	420 U	45 U	43 U
Aroclor-1248 (PCB-1248)	ug/kg	11000	4300	140	12 J
Aroclor-1254 (PCB-1254)	ug/kg	930 U	420 U	45 U	43 U
Aroclor-1260 (PCB-1260)	ug/kg	440 J	320 J	38 J	43 U
Total PCBs	ug/kg	11440 J	4620 J	178 J	12 J
<i>General Chemistry</i>					
Total Solids	%	70.9	79.1	72.9	76.2

Notes:

U - Not present at or above the associated value

J - Estimated value.

TABLE 7.1

**PARCELS 58 AND 60 VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Area of Interest:</i>		<i>P060</i>	<i>P060</i>	<i>P060</i>	<i>P060</i>
<i>Location Name:</i>		<i>060-12398</i>	<i>060-12399</i>	<i>060-12400</i>	<i>060-12401</i>
<i>Sample Name:</i>		<i>S-060-100406-AH-12398</i>	<i>S-060-100406-AH-12399</i>	<i>S-060-100406-AH-12400</i>	<i>S-060-100406-AH-12401</i>
<i>Sample Date:</i>		<i>10/4/2006</i>	<i>10/4/2006</i>	<i>10/4/2006</i>	<i>10/4/2006</i>
<i>Depth:</i>		<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>
<i>Sampling Reason:</i>		<i>RFI Verification</i>	<i>RFI Verification</i>	<i>RFI Verification</i>	<i>RFI Verification</i>
<i>Parameters</i>	<i>Units</i>				
<i>Polychlorinated biphenyls</i>					
Aroclor-1016 (PCB-1016)	ug/kg	43 U	480 U	45 U	44 U
Aroclor-1221 (PCB-1221)	ug/kg	43 U	480 U	45 U	44 U
Aroclor-1232 (PCB-1232)	ug/kg	43 U	480 U	45 U	44 U
Aroclor-1242 (PCB-1242)	ug/kg	43 U	480 U	45 U	44 U
Aroclor-1248 (PCB-1248)	ug/kg	21 J	4100	410	870
Aroclor-1254 (PCB-1254)	ug/kg	43 U	480 U	45 U	44 U
Aroclor-1260 (PCB-1260)	ug/kg	43 U	220 J	22 J	62
Total PCBs	ug/kg	21 J	4320 J	432 J	932
<i>General Chemistry</i>					
Total Solids	%	76.3	69.0	74.1	74.5

Notes:

U - Not present at or above the associated value

J - Estimated value.

TABLE 7.1

**PARCELS 58 AND 60 VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Area of Interest:</i>		<i>P060</i>	<i>P060</i>	<i>P060</i>	<i>P060</i>
<i>Location Name:</i>		<i>060-12404</i>	<i>060-12405</i>	<i>060-12406</i>	<i>060-12433</i>
<i>Sample Name:</i>		<i>S-060-100906-AH-12404</i>	<i>S-060-101006-AH-12405</i>	<i>S-060-101006-AH-12406</i>	<i>S-060-101206-KH-12433</i>
<i>Sample Date:</i>		<i>10/9/2006</i>	<i>10/10/2006</i>	<i>10/10/2006</i>	<i>10/12/2006</i>
<i>Depth:</i>		<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>
<i>Sampling Reason:</i>		<i>RFI Verification</i>	<i>RFI Verification</i>	<i>RFI Verification</i>	<i>RFI Verification</i>
<i>Parameters</i>	<i>Units</i>				
<i>Polychlorinated biphenyls</i>					
Aroclor-1016 (PCB-1016)	ug/kg	45 U	41 U	43 U	48 U
Aroclor-1221 (PCB-1221)	ug/kg	45 U	41 U	43 U	48 U
Aroclor-1232 (PCB-1232)	ug/kg	45 U	41 U	43 U	48 U
Aroclor-1242 (PCB-1242)	ug/kg	45 U	41 U	43 U	48 U
Aroclor-1248 (PCB-1248)	ug/kg	45 U	15 J	130	48 U
Aroclor-1254 (PCB-1254)	ug/kg	45 U	41 U	43 U	48 U
Aroclor-1260 (PCB-1260)	ug/kg	45 U	41 U	26 J	48 U
Total PCBs	ug/kg	0	15 J	156 J	0
<i>General Chemistry</i>					
Total Solids	%	72.7	80.8	76.7	68.6

Notes:

U - Not present at or above the associated value

J - Estimated value.

TABLE 7.1

**PARCELS 58 AND 60 VALIDATED ANALYTICAL RESULTS SUMMARY
GM POWERTRAIN BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Area of Interest:</i>	<i>P060</i>	<i>P060</i>	<i>P060</i>
<i>Location Name:</i>	<i>060-12434</i>	<i>060-12435</i>	<i>060-12478</i>
<i>Sample Name:</i>	<i>S-060-101206-KH-12434</i>	<i>S-060-101206-KH-12435</i>	<i>S-060-110106-AH-12478</i>
<i>Sample Date:</i>	<i>10/12/2006</i>	<i>10/12/2006</i>	<i>11/1/2006</i>
<i>Depth:</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>	<i>0-0.33 ft BGS</i>
<i>Sampling Reason:</i>	<i>RFI Verification</i>	<i>RFI Verification</i>	<i>RFI Verification</i>

<i>Parameters</i>	<i>Units</i>			
<i>Polychlorinated biphenyls</i>				
Aroclor-1016 (PCB-1016)	ug/kg	43 U	44 U	48 U
Aroclor-1221 (PCB-1221)	ug/kg	43 U	44 U	48 U
Aroclor-1232 (PCB-1232)	ug/kg	43 U	44 U	48 U
Aroclor-1242 (PCB-1242)	ug/kg	43 U	44 U	48 U
Aroclor-1248 (PCB-1248)	ug/kg	43 U	13 J	110
Aroclor-1254 (PCB-1254)	ug/kg	43 U	44 U	48 U
Aroclor-1260 (PCB-1260)	ug/kg	43 U	44 U	29 J
Total PCBs	ug/kg	0	13 J	139 J
<i>General Chemistry</i>				
Total Solids	%	77.2	75.8	68.5

Notes:

U - Not present at or above the associated value

J - Estimated value.

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: October 3, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Severson
Dan Nelson; CRA	Joe Currilla; ENTACT	Dan Sekanovich; Severson
	Sebastian Bahr; ENTACT	Chris Bement; Severson

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
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Peter Ramanauskas; USEPA
Stacey DeLaReintrie; TetraTech	Pricilla Fonseca; USEPA	Jean Greensley; USEPA

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.1	No health and safety concerns or unsafe conditions were reported during this reporting period.	--
2.0	REQUEST FOR INFORMATION	
2.1	SES was approved for bed-ash to be added at a 4% to 6% mixture by weight to assist in drying the material excavated from the 660' lens and below.	CRA
3.0	GENERAL WORK ACTIVITIES	
3.1	ENTACT continues to perform maintenance/repairs to Grading Area-1 (GA-1), GA-2, GA-3 and GA-4.	ENTACT
3.2	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES
3.3	SES continues to manage the tire wash station located at the former Zipp lot exit to GM Drive.	SES
3.4	SES completed repairs to the construction fence delineating EZ zones, improved sediment controls along GM storm pond, and conducted a general clean up of site debris.	SES
3.5	ENTACT completed placing additional liner along edge of WTP parking area, repaired the construction fence delineating EZ zones, and placed liner at base of collection sump in Fill Area 1A (FA-1A).	ENTACT
3.6	SES advised the clean clay stockpiles will be depleted by 10-13-06.	SES
3.7	Repairs to GM Drive by O'Mara Paving were completed on 09-28-06	--



Item	Description	Action By
4.0	GRADING AREAS # 1, 2, 3 AND 4	
4.1	No additional work was performed in these areas during the reporting period. ENTACT continues to perform necessary maintenance to the grading areas.	ENTACT
5.0	FILL AREAS (FA-1A & FA-1B) East Parking Lot	
5.1	SES completed the removal of additional >50-ppm material from Fill Area 1B (FA-1B) on 10-03-06.	SES
5.2	ENTACT will complete the re-construction of FA-1B berms, drainage ditches, and sump construction by 10-07-06.	ENTACT
5.3	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
6.0	VAULT AREA AOI7	
6.1	SES continues placement of >50-ppm materials in the vault using the north dump ramp.	SES
6.2	SES began adding bed-ash on 10-04-06 and continues to turn and thinly spread >50 ppm material in order to dry the material so compaction requirements can be met.	SES
7.0	EAST PLANT EXCAVATION	
7.1	CRA continues to check elevation requirements have been met prior to SES continuing excavation to the next elevation depth.	CRA\SES
7.2	SES continues to contain, pump, and treat all water within the excavations.	SES
7.3	SES completed the removal of additional >50-ppm material from the 660'-655' elevation as requested by CRA on 10-06-06.	SES
8.0	WORK HOURS	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m.	ENTACT
8.2	ENTACT's East Plant water management (night) crew will remain on call as needed for inclement weather.	ENTACT
8.3	SES is working Monday through Saturday 7:00 a.m. to 7:00 p.m. with extended hours for the application of the daily mulch covering.	SES
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	Smith & Neubecker - surveying	SES
9.2	O'Mara Paving - GM Drive paving	SES

Attachments: _____

Prepared By: Terri Channing Date Issued: Nov. 14, 2006

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: October 10, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Severson
Dan Nelson; CRA	Joe Currilla; ENTACT	Chris Bement; Severson
	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
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Peter Ramanauskas; USEPA
Stacey DeLaReintrie; TetraTech	Pricilla Fonseca; USEPA	Jean Greensley; USEPA

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.1	No health and safety concerns or unsafe conditions were reported during this reporting period.	--
2.0	REQUEST FOR INFORMATION	
2.1	SES requested information regarding Borrow Source 39 and the designated material to be used for the vault cap. Results are pending.	CRA
3.0	GENERAL WORK ACTIVITIES	
3.1	ENTACT continues to perform maintenance/repairs to Grading Area-1 (GA-1), GA-2, GA-3 and GA-4.	ENTACT
3.2	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES
3.3	SES continues to manage the fire wash station located at the old Zipp lots exit to GM Drive.	SES
3.4	SES was requested to re-grade and repair the haul road to the WTP. SES advised the work will be completed by 10-12-06.	SES
3.5	SES continues to implement dust control measures in all areas paying close attention during the placement of the bed-ash material.	SES



<i>Item</i>	<i>Description</i>	<i>Action By</i>
4.0	GRADING AREAS # 1, 2, 3 AND 4	
4.1	No additional work was performed in these areas during the reporting period. ENTACT continues to perform necessary maintenance to the grading areas.	ENTACT
5.0	FILL AREAS (FA-1A & FA-1B) East Parking Lot	
5.1	ENTACT completed the re-construction of Fill Area 1b (FA-1B) berms, drainage ditches, and sump construction on 10-07-06.	ENTACT
5.2	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
6.0	VAULT AREA AOI7	
6.1	SES continues placement of >50-ppm materials in the vault using the north dump ramp.	SES
6.2	SES continues to turn and thinly spread >50 ppm material in order to dry the material to meet compaction requirements.	SES
6.3	SES began installing the temporary power supply to power the automated vault sumps on 10-05-06. Temporary power cables with easy disconnects would be used instead of dedicated power to allow line relocation during cap material placing activities.	SES
6.4	The leachate detection automated pump installation will begin on 10-16-06.	SES
7.0	EAST PLANT EXCAVATION	
7.1	CRA continues to check elevation requirements have been met prior to SES continuing excavation to the next elevation depth.	CRA\SES
7.2	SES continues to contain, pump, and treat all water within the excavations.	SES
7.3	SES completed the removal of additional >50-ppm material from the 660'-655' elevation on 10-06-06.	SES
7.4	SES completed excavations in the western portion of Exc. Area #1 to the 655' lens on 10-09-06.	SES
7.5	SES will begin adding bed-ash to the excavated wet material within the AOI-4 excavation area prior to transporting to the vault on 10-13-06.	SES
8.0	WORK HOURS	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m.	ENTACT
8.2	ENTACT's East Plant water management (night) crew will remain on call as needed for inclement weather.	ENTACT
8.3	SES is working Monday through Saturday 7:00 a.m. to 7:00 p.m. with extended hours for the application of the daily mulch covering.	SES
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	Smith & Neubecker -- surveying	SES

Attachments: _____



Prepared By: *TK* Terri Channing Date Issued: Nov. 14, 2006

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: October 17, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Sebastian Bahr; ENTACT	Dan DalPorto; Severson
Dan Nelson; CRA	Joe Currilla; ENTACT	Chris Bement; Severson
Earney Funderburg; ENTACT	Robin Compton; 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
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Peter Ramanauskas; USEPA
Stacey DeLaReintrie; TetraTech	Pricilla Fonseca; USEPA	Jean Greensley; USEPA

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.1	Contractors were reminded all equipment and supplier deliveries to project are to be escorted to the work area.	SES/ENTACT
1.2	SES was advised to maintain clean decon/work areas.	SES
1.3	ENTACT advised the team that Robin Compton (Health and Safety) arrived back on site on 10-16-06	ENTACT
2.0	REQUEST FOR INFORMATION	
2.1	SES requested information regarding Borrow Source 39 and the designated material to be used for the vault cap. CRA obtained samples of the designated material on 10-12-06. Results are pending.	CRA
3.0	GENERAL WORK ACTIVITIES	
3.1	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES
3.2	SES continues to manage the tire wash station located at the former Zipp lot exit to GM Drive.	SES
3.3	SES completed the re-grade and repairs the haul road to the WTP on 10-13-06.	SES
3.4	SES continues to implement dust control measures in all areas - paying close attention during the placement of the bed-ash material.	SES



Item	Description	Action By
4.0	GRADING AREAS # 1, 2, 3 AND 4	
4.1	ENTACT was reminded to perform all repairs to the tarps promptly following inclement weather.	ENTACT
5.0	FILL AREAS (FA-1A & FA-1B) East Parking Lot	
5.1	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
5.2	ENTACT will use additional measures to hold tarps in place during high winds.	ENTACT
5.3	Material placement activities were halted for ½ day on 10-16-06 and a full day on 10-17-06 due to weather.	ENTACT
5.4	ENTACT anticipates FA-1A will be at capacity by 10-27-06.	ENTACT
6.0	VAULT AREA AOI7	
6.1	SES continues placement of >50-ppm materials in the vault using the north dump ramp.	SES
6.2	SES continues to turn and thinly spread >50 ppm material in order to dry the material to meet compaction requirements.	SES
6.3	SES anticipates installing the temporary electrical supply to the vault sumps on 10-23-06, pending equipment arrival.	SES
6.4	SES advised the leachate detection automated pump installation is delayed until 10-25-06, pending equipment arrival.	SES
7.0	EAST PLANT EXCAVATION	
7.1	CRA continues to check elevation requirements have been met prior to SES continuing excavation to the next elevation depth.	CRA\SES
7.2	SES continues to contain, pump, and treat all water within the excavations.	SES
7.3	SES anticipates >50-ppm material excavations to be completed by 11-10-06.	
7.4	Excavation activities were halted for ½ day 10-16-06, full day on 10-17-06 due to weather.	SES
8.0	WORK HOURS	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m.	ENTACT
8.2	ENTACT's East Plant water management (night) crew will remain on call as needed for inclement weather.	ENTACT
8.3	SES is working Monday through Saturday 7:00 a.m. to 7:00 p.m. with extended hours for the application of the daily mulch covering.	SES
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	Smith & Neubecker -- surveying	SES

Attachments: _____



Prepared By: *TKC*
Terri Channing _____ Date Issued: Nov. 14, 2006

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: October 24, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Severson
Dan Nelson; CRA	Sebastian Bahr; ENTACT	Dan Sekanovich; Severson
	Joe Currilla; ENTACT	Chris Bement; Severson

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
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Peter Ramanauskas; USEPA
Stacey DeLaReintrie; TetraTech	Pricilla Fonseca; USEPA	Jean Greensley; USEPA

Item	Description	Action By
1.0	SAFETY	
1.1	No health and safety concerns or unsafe conditions were reported during this reporting period.	--
2.0	REQUEST FOR INFORMATION	
2.1	SES requested information regarding Borrow Source 39 and the designated material to be used for the vault cap. CRA obtained samples of the designated material on 10-12-06. Results are pending.	CRA
3.0	GENERAL WORK ACTIVITIES	
3.1	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES
3.2	SES continues to manage the tire wash station located at the former Zipp lot exit to GM Drive.	SES
3.3	Both contractors were reminded to perform general site clean up and silt/construction fence repairs as needed.	SES/ENTACT
4.0	GRADING AREAS # 1, 2, 3 AND 4	
4.1	No additional work was performed in these areas during the reporting period. ENTACT continues to perform necessary maintenance to the grading areas.	ENTACT



Item	Description	Action By
5.0	FILL AREAS (FA-1A & FA-1B) East Parking Lot	
5.1	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
5.2	ENTACT anticipates FA-1A will reach capacity by 10-24-06. ENTACT will open FA-1B on 10-25-06.	ENTACT
5.3	ENTACT's night management crews are now on site from 6:00 PM to 6:00 AM.	ENTACT
5.4	Material placement activities were halted on 10-17-06 and for ½ day on 10-19-06 due to weather.	ENTACT
5.5	Fill areas will remain open as needed for receiving SES material.	ENTACT
5.6	ENTACT to begin securing Fill Area 1A (FA-1A) on 10-25-06 using existing cover tarps secured by rope and additional sandbags.	ENTACT
6.0	VAULT AREA AOI7	
6.1	SES continues placement of >50-ppm materials in the vault using the north dump ramp.	SES
6.2	SES continues to turn and thinly spread >50-ppm material in order to dry the material to meet compaction requirements. This process will be completed by 10-27-06.	SES
6.3	Installation of the temporary electrical supply for leak detection and leachate collection sumps was completed on 10-23-06.	SES
6.4	The leachate detection automated pump installation was completed on 10-23-06.	SES
7.0	EAST PLANT EXCAVATION	
7.1	CRA continues to check elevation requirements have been met prior to SES continuing excavation to the next elevation depth.	CRA\SES
7.2	SES continues to contain, pump, and treat all water within the excavations.	SES
7.3	SES anticipates >50-ppm material excavations to be completed by 11-10-06.	
7.4	Excavation activities were halted for ½ day 10-16-06, full day on 10-17-06, ½ day 10-19-06, and full days 10-20-06 and 10-21-06 due to weather.	SES
8.0	WORK HOURS	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m.	ENTACT
8.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m. Hours will be extended during inclement weather.	ENTACT
8.3	SES is working Monday through Saturday 7:00 a.m. to 7:00 p.m. with extended hours for the application of the daily mulch covering.	SES
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	Smith & Neubecker – surveying	SES

Attachments: _____



Prepared By: Terri Channing Date Issued: Nov. 14, 2006

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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: November 08, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Sevenson
Dan Nelson; CRA	Sebastian Bahr; ENTACT	Brian Meyerhoefer; Sevenson
Mark Case; CRA	Joe Curilla; 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
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Peter Ramanauskas; USEPA
Jean Greensley; USEPA	Pricilla Fonseca; USEPA	

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.1	No health and safety concerns or unsafe conditions were reported during this reporting period.	--
1.2	Contractors were reminded all equipment is to be deconned prior to using clean haul roads.	SES/ENACT
2.0	REQUEST FOR INFORMATION	
2.1	SES requested information regarding Borrow Source 39 and the designated material to be used for the vault cap. CRA tested the designated material on 10-12-06.	CRA
2.2	SES requested information on the placement of the clean clay cap on the vault.	CRA
3.0	GENERAL WORK ACTIVITIES	
3.1	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES
3.2	SES continues to manage the tire wash station located at the old Zipp lot exit to GM Drive.	SES
3.3	SES completed cleaning of the WTP FRAC tanks on 11-02-06.	SES
3.4	ENTACT was advised the removal of the scale house and scale would be performed following SES's completion of >50-ppm material excavation.	ENTACT



Item	Description	Action By
4.0	GRADING AREAS # 1, 2, 3 AND 4	
4.1	No additional work was performed in these areas during the reporting period. ENTACT continues to perform necessary maintenance to the grading areas.	ENTACT
5.0	FILL AREAS (FA-1A & FA-1B) East Parking Lot	
5.1	ENTACT continues to obtain CRA approval prior to de-watering sumps.	ENTACT
5.2	FA-1A reached capacity on 10-22-06. Soil placement is now taking place in FA-1B.	ENTACT
5.3	Material placement activities were delayed on 11-07-06 due to weather.	ENTACT
5.4	ENTACT was advised to provide daily scale tickets to CRA within 24 hours.	ENTACT
6.0	VAULT AREA AOI7	
6.1	SES continues placement of >50-ppm materials in the vault using the north dump ramp.	SES
6.2	New floats for the leachate collection sump and the leak detection sump will be on-site by 11-18-06.	SES
7.0	EAST PLANT EXCAVATION	
7.1	CRA continues to check elevation requirements have been met prior to SES continuing excavation to the next elevation depth.	CRA\SES
7.2	SES continues to contain, pump, and treat all water within the excavations.	SES
7.3	SES anticipates >50-ppm material excavations to be completed by 11-22-06.	SES
7.4	Excavation activities were halted on 11-07-06 due to weather.	SES
7.5	SES continues to add bed-ash to excavated material prior to placement in the vault in order to meet compaction requirements. SES continues to implement additional control measures to reduce the dust during this activity.	SES
7.6	SES has requested authorization to work Sunday 11-19-06 (weather permitting) to expedite the >50-ppm excavations.	SES
8.0	WORK HOURS	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m.	ENTACT
8.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m. Hours will be extended during inclement weather.	ENTACT
8.3	ENTACT advised CRA of Thanksgiving holiday shutdown ½ day on 11-22-06 and full days 11-23-06 through 11-26-06. ENTACT will be shut down for a company function 12-08-06 to 12-10-06.	
8.4	SES is working Monday through Saturday 7:00 a.m. to 7:00 p.m. with extended hours for the application of the daily mulch covering.	SES
8.5	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.6	SES advised CRA of holiday shutdowns: Thanksgiving holiday shutdown 11-22-06 through 11-26-06, 8-hour refresher training/ company function from 12-07-06 to 12-10-06 and Christmas from 12-22-06 through 01-01-07.	SES



<i>Item</i>	<i>Description</i>	<i>Action By</i>
9.0	SUB-CONTRACTORS ON-SITE	
9.1	Smith & Neubecker – Surveying	SES

Attachments: _____

Prepared By: Terri Channing Date Issued: 12/17, 2006

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: November 14, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Sebastian Bahr; ENTACT	Dan Sekanovich; Sevenson
Dan Nelson; CRA	Joe Curilla; ENTACT	Brian Meyerhoefer; Sevenson
Earney Funderburg; ENTACT	Dan DalPorto; Sevenson	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
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Peter Ramanauskas; USEPA
Jean Greensley; USEPA	Pricilla Fonseca; USEPA	

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.1	Contractors were reminded that all vehicles parked on GM property are to be properly identified.	SES/ENTACT
1.2	A general reminder to truckers to be courteous to local residential traffic and obey traffic laws.	SES/ENTACT
2.0	REQUEST FOR INFORMATION	
2.1	SES requested information regarding Borrow Source 39 and the designated material to be used for the vault cap. CRA tested the designated material on 10-12-06.	CRA
2.2	SES requested information on the placement of the clean clay cap on the vault.	CRA
3.0	GENERAL WORK ACTIVITIES	
3.1	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES
3.2	SES continues to manage the tire wash station located at the old Zipp lots exit to GM Drive.	SES
3.3	The scale house and scale will be relocated to Staging Area F the week of 11-27-06.	ENTACT



Item	Description	Action By
4.0	GRADING AREAS # 1, 2, 3 AND 4	
4.1	No additional work was performed in these areas during the reporting period. ENTACT continues to perform necessary maintenance to the grading areas.	ENTACT
5.0	FILL AREAS (FA-1A & FA-1B) East Parking Lot	
5.1	FA-1B is expected to reach capacity by 11-20-06.	ENTACT
6.0	VAULT AREA AOI7	
6.1	SES continues placement of >50-ppm materials in the vault using the north dump ramp.	SES
6.2	CRA is reviewing the float revisions provided by SES for the vault sumps.	CRA
6.3	SES will place an additional riser on the leachate collection sump this week. CRA advised SES not to place the additional riser on the leak detection sump at this time.	SES
7.0	EAST PLANT EXCAVATION	
7.1	CRA continues to check elevation requirements have been met prior to SES continuing excavation to the next elevation depth.	CRA\SES
7.2	SES continues to contain, pump, and treat all water within the excavations.	SES
7.3	SES anticipates >50-ppm material excavations to be completed by 11-22-06.	
7.4	SES continues to add bed-ash to excavated material prior to placement in the vault in order to meet compaction requirements. SES continues to implement additional control measures to reduce the dust during this activity.	SES
7.5	SES was granted authorization to work Sunday 11-12-06 and 11-19-06 (weather permitting) to expedite the >50-ppm excavations.	SES
8.0	WORK HOURS	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m.	ENTACT
8.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m. Hours will be extended during inclement weather.	ENTACT
8.3	ENTACT revised their holiday shutdowns: Thanksgiving holiday 11-22-06 to 11-26-06, company function 12-08-06 to 12-10-06, and Christmas 12-22-06 through 01-01-07.	ENTACT
8.4	SES is working Monday through Saturday 7:00 a.m. to 7:00 p.m. with extended hours for the application of the daily mulch covering.	SES
8.5	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.6	SES advised CRA of holiday shutdowns: Thanksgiving holiday shutdown 11-22-06 through 11-26-06, 8-hour refresher training/ company function from 12-07-06 to 12-10-06 and Christmas from 12-22-06 through 01-01-07.	SES
9.0	SUB-CONTRACTORS ON-SITE	
9.1	Smith & Neubecker – Surveying	SES

Attachments: _____



Prepared By: *THC* Terri Channing Date Issued: 12/14, 2006

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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: November 21, 2006 TIME: 01:30 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Sevenson
Dan Nelson; CRA	Sebastian Bahr; ENTACT	Brian Meyerhoefer; Sevenson
	Robin Compton; 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
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Peter Ramanauskas; USEPA
Jean Greensley; USEPA	Pricilla Fonseca; USEPA	

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.1	Contractors were advised to thoroughly clean and secure areas prior to the holiday weekend.	SES/ENTACT
1.2	Contractors were advised to ensure sufficient drying time or eliminate the use of water to clean public roads in colder temperatures to prevent icing.	SES/ENTACT
1.3	Contractors were reminded to follow PPE and hygiene requirements in accordance to their HASP.	SES/ENTACT
2.0	REQUEST FOR INFORMATION	
2.1	SES requested information regarding Borrow Source 39 and the designated material to be used for the vault cap. CRA approved a designated area within Borrow Source 39. SES will continue testing according to specifications.	CRA
2.2	SES requested information on the placement of the clean clay cap on the vault. CRA approved the placement of the clay cap on the southern portion of the vault. SES will provide a written plan of their approach.	CRA/SES
3.0	GENERAL WORK ACTIVITIES	
3.1	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES
3.2	SES continues to manage the tire wash station located at the old Zipp lot exit to GM Drive. CRA requested all trucks be thoroughly inspected prior to leaving site.	SES



Item	Description	Action By
3.3	The scale house and scale will be relocated to Staging Area F late in the week of 11-27-06.	ENTACT
3.4	SES will restore haul roads to previous condition to include matting and gravel in accordance with the specifications.	SES
3.5	ENTACT will perform road maintenance and operate the truck decon facility as needed following SES completion of haul road construction.	ENACT
4.0	GRADING AREAS # 1, 2, 3 AND 4	
4.1	No additional work was performed in these areas during the reporting period. ENTACT continues to perform necessary maintenance to the grading areas.	ENTACT
5.0	FILL AREAS (FA-1A & FA-1B) East Parking Lot	
5.1	Remediation water is now being piped to the WTP EQ tank effective 11-15-06.	ENTACT
5.2	FA-1B is expected to reach capacity by 11-18-06.	ENTACT
5.3	ENTACT will begin securing the fill area using existing tarps with roped sandbags on 11-20-06.	
5.4	ENTACT began equipment demob from the East Plant on 11-20-06.	ENTACT
6.0	VAULT AREA AOI7	
6.1	SES continues placement of >50-ppm materials in the vault using the north dump ramp.	SES
6.2	SES was advised of recommended revisions to the vault leachate and leak detection sump pumps on 11-15-06; incorporating an automated float system to meet the 6" head requirement.	SES
6.3	SES will place an additional riser on the leachate collection sump this week.	SES
6.4	SES plans to enter the leak detection sump on 11-21-06 to investigate potential joint leaks. Confined space entry procedures will be followed.	SES
6.5	SES will continue to grade the vault material to meet design specifications.	SESS
7.0	EAST PLANT EXCAVATION	
7.1	CRA continues to check elevation requirements have been met prior to SES continuing excavation to the next elevation depth.	CRA\SES
7.2	SES continues to contain, pump, and treat all water within the excavations.	SES
7.3	SES anticipates >50-ppm material excavations to be completed by 11-22-06.	
7.4	CRA requested a cost estimate from SES for the removal of >50-ppm material located under the northwestern portion of GA-1.	SES
7.5	In order to expedite the <50-ppm material placement within Exc. Area #1, SES will use the paper mulch for daily cover, rather than tarps. This will allow the trucks bringing material from the creek removal action a longer hauling duration.	SES
8.0	WORK HOURS	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m.	ENTACT
8.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m. Hours will be extended during inclement weather.	ENTACT



<i>Item</i>	<i>Description</i>	<i>Action By</i>
8.3	ENTACT revised their holiday shutdowns: Thanksgiving holiday 11-22-06 to 11-26-06, company function 12-08-06 to 12-10-06, and Christmas 12-22-06 through 01-01-07.	ENTACT
8.4	SES is working Monday through Saturday 7:00 a.m. to 7:00 p.m. with extended hours for the application of the daily mulch covering.	SES
8.5	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.6	SES advised CRA of holiday shutdowns: Thanksgiving holiday shutdown 11-22-06 through 11-26-06, 8-hour refresher training/ company function from 12-07-06 to 12-10-06 and Christmas from 12-22-06 through 01-01-07.	SES
9.0	SUB-CONTRACTORS ON-SITE	
9.1	Smith & Neubecker – Surveying	SES

Attachments: _____

Prepared By: Terri Channing Date Issued: 12/14, 2006

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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: November 28, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Severson
Dan Nelson; CRA	Sebastian Bahr; ENTACT	Dan Sekanovich; Severson
Mark Case; CRA	Robin Compton; ENTACT	Chris Bement; Severson

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
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Peter Ramanauskas; USEPA
Jean Greensley; USEPA	Pricilla Fonseca; USEPA	

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.1	Contractors were reminded to have a power line spotter when working in the vicinity of overhead power lines.	SES/ENTACT
2.0	REQUEST FOR INFORMATION	
2.1	None.	
3.0	GENERAL WORK ACTIVITIES	
3.1	SES will reconstruct the tire wash station in the east plant by 12-07-06.	SES
3.2	The scale house and scale will be relocated on 11-30-06.	ENTACT
3.3	SES advised the haul road to the first dumping location would be completed by 12-02-06.	SES
3.4	ENTACT will perform road maintenance and operate the truck decon facility, as needed following SES's completion of haul road construction. ENTACT is responsible for ensuring vehicles are thoroughly inspected prior to leaving the site.	ENACT
3.5	ENTACT will be responsible for the cleaning of truck beds hauling to Excavation Area 1. ENTACT advised trucks will be washed out at Area "G" at the end of the day.	ENTACT



Item	Description	Action By
4.0	GRADING AREAS # 1, 2, 3 AND 4	
4.1	No additional work was performed in these areas during the reporting period. ENTACT continues to perform necessary maintenance to the grading areas.	ENTACT
5.0	FILL AREAS (FA-1A & FA-1B) East Parking Lot	
5.1	ENTACT completed securing the fill area using existing tarps with roped sandbags on 11-22-06.	ENTACT
5.2	ENTACT placed silt fence and straw bales at sumps to assist in removing sediments from site storm water.	ENTACT
6.0	VAULT AREA AOI7	
6.1	SES provided a written work plan for the repair of the leak detection sump's leaking joints on 12-01-06. CRA is reviewing.	SES/CRA
6.3	SES continues to grade the north side of the vault to design specifications. Grading is expected to be complete by 12-15-06.	SES
7.0	EAST PLANT EXCAVATION	
7.1	SES continues to contain, pump, and treat all water within the excavations.	SES
7.2	The >50-ppm material excavations were completed on 11-22-06.	SES
7.3	SES submitted a cost estimate from for the removal of >50-ppm material located under the northwestern portion of GA-1. CRA is reviewing.	SES/CRA
7.4	The final >50-ppm excavation within the East Plant will be ready to accept <50-ppm material from the creek on 12-02-06 pending haul road completion. Receiving hours will be from 7:30 AM to 12:00 PM and from 1:00 PM to 4:00 PM.	SES/ENTACT
8.0	WORK HOURS	
8.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m.	ENTACT
8.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m. Hours will be extended during inclement weather.	ENTACT
8.3	ENTACT's holiday shutdowns, company function 12-08-06 to 12-10-06, and Christmas 12-22-06 through 01-01-07.	ENTACT
8.4	SES is working Monday through Saturday 7:00 a.m. to 7:00 p.m. with extended hours for the application of the daily mulch covering.	SES
8.5	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.6	SES holiday shutdowns, 8-hour refresher training/ company function from 12-07-06 to 12-10-06 and Christmas from 12-22-06 through 01-01-07.	SES
9.0	SUB-CONTRACTORS ON-SITE	
9.1	Smith & Neubecker – Surveying	SES

Attachments: _____



Prepared By: ^{TK} Terri Channing _____ Date Issued: 12/14 _____, 2006

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: December 05, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Sevenson
Dan Nelson; CRA	Sebastian Bahr; ENTACT	Dan Sekanovich; Sevenson
Mark Case; CRA	Robin Compton; ENTACT	Chris Bement; Sevenson

Distribution:

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

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.1	SES will establish a new personnel decon area north of the storm water pond.	SES
1.2	Contractors were reminded to have a power line spotter when working in the vicinity of overhead power lines.	SES/ENTACT
2.0	REQUEST FOR INFORMATION	
2.1	None.	--
3.0	GENERAL WORK ACTIVITIES	
3.1	SES will reconstruct the tire wash station in the East Plant by 12-15-06.	SES
3.2	ENTACT completed moving the scale house and scale to Area "G" on 12-02-06.	ENTACT
3.3	SES completed the haul road and dump ramp to the west side of Exc. Area #1 (north of the storm water pond) on 12-04-06.	SES
3.4	ENTACT will perform road maintenance and operate the truck decon facility, as needed. ENTACT will be responsible for ensuring vehicles are inspected prior to leaving the site.	ENACT
3.5	ENTACT will be responsible for cleaning truck beds hauling to Exc. Area #1. Trucks will be washed out at Area "G" at the end of the day.	ENTACT
3.6	ENTACT was asked to remove all property from the scale house, and provide CRA with the keys.	ENTACT



Item	Description	Action By
3.7	Pete Bridcut and Chris Heij will provide trucking daily reports and handle all scale programming concerns.	ENTACT
3.8	ENTACT will provide flag personnel when necessary on GM Drive.	ENTACT
3.9	ENTACT will remind truck drivers hauling to the East Plant that they are not to exit their vehicles.	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 all necessary repairs are to be completed immediately following weather events. ENTACT will repair damaged fences by end of day 12-06-06.	ENTACT
4.3	Sump water within GA-2 & GA-3, and GA-4 will be treated pending repairs to tarps damaged in high winds on 11-30-06.	ENTACT
5.0	VAULT AREA AOI7	
5.1	SES is waiting for parts for the leachate and leak detection pumps – the parts are expected to arrive by 12-11-06.	SES
5.2	SES provided a written work plan outlining the approach to repair the leaking joints in the leak detection sump.	SES/CRA
5.3	SES continues to grade the vault. Grading is expected to be complete by 12-15-06.	SES
6.0	EXCAVATION AREA #1 /FILL PLACEMENT	
6.1	SES continues to contain, pump, and treat water within the excavations.	SES
6.2	SES began accepting <50-ppm material from the creek on 12-05-06. Receiving hours will be from 7:30 AM to 4:00 PM.	SES
6.3	Following the daily placement of <50-ppm material within Exc. Area #1, the exposed surfaces are to be smooth rolled and mulched at end of day.	SES
7.0	WORK HOURS	
7.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m.	ENTACT
7.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m. Hours will be extended during inclement weather.	ENTACT
7.3	ENTACT's holiday shutdowns: company function 12-08-06 to 12-10-06, and Christmas 12-22-06 through 01-01-07.	ENTACT
7.4	SES is working Monday through Saturday 7:00 a.m. to 7:00 p.m. with extended hours for the application of the daily mulch covering.	SES
7.5	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
7.6	SES holiday shutdowns: 8-hour refresher training/ company function from 12-07-06 to 12-10-06 and Christmas from 12-22-06 through 01-01-07.	SES
8.0	SUB-CONTRACTORS ON-SITE	
8.1	Smith & Neubecker – Surveying	SES

Attachments: _____



Prepared By: *TK/TC* Terri Channing _____ 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: December 12, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Mark Case; CRA	Sebastian Bahr; ENTACT
Dan Nelson; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Severson

Distribution:

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

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.1	Installation of a boot wash/decon area north of the storm water pond was completed on 12-07-06.	SES
2.0	REQUEST FOR INFORMATION	
2.1	None.	--
3.0	GENERAL WORK ACTIVITIES	
3.1	SES will reconstruct the tire wash station in the east plant by 12-20-06.	SES
3.2	ENTACT continues to perform road maintenance and operate the truck decon as needed.	ENACT
3.3	ENTACT was requested to clean and remove ENTACT property from the scale house located in Area "G". Keys will be provided to CRA.	ENTACT
3.4	SES continues to assist HRC in removing <50-ppm material from the launch pit area.	SES
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 areas.	ENTACT
5.0	VAULT AREA AOI7	
5.1	SES received the additional parts to complete the installation of the leachate sump pump. Installation will be completed by 12-15-06.	SES



Item	Description	Action By
5.2	CRA reviewed SES's work plan for repairing the leaking joints in the leak detection sump. Repairs are scheduled for 12-18-06.	SES/CRA
5.3	SES continues to grade the vault. Grading is expected to be complete by 12-19-06.	SES
5.4	SES will continue to pump and monitor vault sumps daily during the holiday shutdown. CRA requested SES to record the daily water level readings.	SES
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 smooth roll and mulch exposed surfaces following daily placement of <50-ppm material within Exc. Area #1 (north of the storm water pond).	SES
7.0	WORK HOURS	
7.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m.	ENTACT
7.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m. Hours will be extended during inclement weather.	ENTACT
7.3	ENTACT's Christmas holiday shutdown is 12-22-06 through 01-01-07.	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
7.5	SES Christmas holiday shutdown is 12-22-06 through 01-01-07.	SES
7.6	SES and ENTACT water management/maintenance crews will be on site as needed during the holiday shut down.	SES/ENTACT
8.0	SUB-CONTRACTORS ON-SITE	
8.1	Smith & Neubecker – Surveying	SES

Attachments: _____

Prepared By: Terri Channing Date Issued: Jan. 9, 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: December 19, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Joe Currilla; ENTACT	Chris Bement; Sevenson
Mark Case; CRA	Robin Compton; ENTACT	Dan Sekanovich; Sevenson
Earney Funderburg; ENTACT	Dan DalPorto; Sevenson	Steve Wilson; Sevenson

Distribution:

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

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.1	ENTACT will remind all truck drivers hauling to East Plant Fill area to pay close attention to spotters while on site.	ENTACT
1.2	ENTACT was requested to have trucks delivering < 50 material from the down stream parcels arrive at the East Plant Fill Area no earlier than 7:30 AM due to limited space and visibility during morning start-up.	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 needed.	ENACT
3.2	SES continues to assist HRC in removing <50-ppm material from the launch pit area.	SES
3.3	Contractors will ensure housekeeping is complete and all areas are secured prior to holiday shut down (i.e. removal of trash, fence repairs, tarps secured, gates closed).	SES/ENTACT
3.4	George Seng will be CRA's on site emergency contact during the holiday shutdown.	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



<i>Item</i>	<i>Description</i>	<i>Action By</i>
4.2	ENTACT continues to perform necessary maintenance to the grading areas.	ENTACT
5.0	VAULT AREA AOI7	
5.1	SES completed the installation of the leachate sump pump on 12-18-06.	SES
5.2	Sevenson's completed the repair of the joint leak of the leak detection sump (between risers 4 and 5) on 12-18-06.	SES
5.3	SES continues to grade the vault. Grading is expected to be complete by 12-20-06.	SES
5.4	SES will continue to pump and monitor vault sumps daily during the holiday shutdown. CRA requested SES to measure and record the daily water level and meter readings.	SES
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 place the material within Exc. Area #1 (north of the storm water pond).	SES
6.3	SES continues to smooth roll and mulch all exposed surfaces daily.	SES
6.4	SES was approved to begin excavation of the >50-ppm material located under the northwestern portion of GA-1. Work will begin on 01-02-07.	SES
7.0	WORK HOURS	
7.1	ENTACT is working Monday through Saturday 7:00 a.m. to 7:00 p.m.	ENTACT
7.2	ENTACT's water management night crew hours are 6:00 p.m. to 6:00 a.m. Hours will be extended during inclement weather.	ENTACT
7.3	ENTACT's Christmas holiday shutdown is 12-22-06 through 01-01-07.	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
7.5	SES Christmas holiday shutdown is 12-22-06 through 01-01-07.	SES
7.6	SES and ENTACT water management/maintenance crews will be on site as needed during the holiday shut down.	SES/ENTACT
8.0	SUB-CONTRACTORS ON-SITE	
8.1	Smith & Neubecker - Surveying	SES

Attachments: _____

Prepared By: Terri Channing Date Issued: Jan. 9, 2007

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