

RCRA FACILITY INVESTIGATION

QUARTERLY PROGRESS REPORT #22

THIRD QUARTER 2006

GM POWERTRAIN - BEDFORD FACILITY

105 GM DRIVE

BEDFORD, INDIANA

EPA ID# IND006036099

Prepared For:

General Motors Corporation

OCTOBER 2006

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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
Earth Tech	John Bassett
Indiana Department of Environmental Management	Gerald O'Callaghan (5 copies)
U.S. Fish and Wildlife Service	Dan Sparks
GM WFG Remediation	Cheryl Hiatt/Ed Peterson
CRA Project Coordinator	James McGuigan
Exponent	Rick Bodishbaugh/Pieter Booth
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 third 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 CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) Removal Action Program, pursuant to the Administrative Order on Consent (AOC) between the U.S. EPA and GM (effective July 31, 2003). These activities are described in more detail within the CERCLA Monthly Progress Reports referred to herein.

The next quarterly progress report, covering the Fourth Quarter 2006, will be submitted on or before January 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 July 20, 2006; August 3, and 22, 2006; and September 5, and 22, 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 September 27, and 28, 2006, at the Facility. The Community Liaison Panel (CLP) met September 29, 2006;
- Placement of creek Removal Action (RA) <50 mg/kg PCB material in the East Plant Area Grading Area 4 was completed July 7, 2006. Additional changes to the grading fill of the East Plant Area included:
 - A plan to construct an additional grading area in the East Plant Area was submitted on August 11, 2006. Approval to begin placement of <50 mg/kg PCB material in the new Fill Area was granted by the U.S. EPA on August 14, 2006. Placement of material in the Fill Area began on September 8, 2006;
- A revised draft of the East Plant Area Vault design report was submitted to the U.S. EPA for review on July 11, 2006. Additional changes to the Vault included:
 - A memo outlining the East Plant Area Vault bottom liner Construction Quality Assurance was submitted to the U.S. EPA on July 19, 2006;
 - Comments were received from Indiana Department of Environmental Management (IDEM) on the East Plant Area Vault Design report on August 3, 2006; and
 - Responses to IDEM comments on the Vault design report were submitted to IDEM and the U.S. EPA on September 7, 2006;
- A draft of the East Plant Area Trench Collection System was submitted to the U.S. EPA for review on July 11, 2006;
- A revised draft of the East Plant Area Cover System design report was submitted to the U.S. EPA on August 3, 2006. Additional changes to the Cover System included:

- Revised soil loss erosion calculation for the Cover System catchments were submitted to the U.S. EPA on September 2, 2006. Accompanying drawing depicting the catchment locations was submitted September 8, 2006;
- A draft work plan for the Area of Interest (AOI) 8 Remedial Pilot Study was submitted to the U.S. EPA for review on August 21, 2006;
- RCRA Facility Investigation (RFI) Work Plan: Addendum No. 9 Technical Memorandum was submitted to the U.S. EPA on July 24, 2006;
- A response to U.S. EPA comments regarding the RFI Work Plan: Addendum No. 11 dye trace study was submitted to the U.S. EPA September 28, 2006;
- RFI Work Plan: Addendum No. 12 Technical Memorandum was submitted to the U.S. EPA on July 24, 2006;
- Collection of groundwater samples under the RCRA Facility Investigation (RFI) Work Plan: Addendum No. 13 continued during the third quarter and into the fourth quarter of 2006. Additional sampling of newly installed groundwater monitoring wells commenced September 11, 2006;
- 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, including two additional well locations needed to define newly identified NAPL south of the Plant's wastewater treatment plant area;
- The Rule 5 Erosion and Sediment Control Plan: Northern Tributary was submitted to the U.S. EPA on August 4, 2006;
- Phloxine B dye injection was conducted simultaneously at the injection wells MW-X102Y105 and MW-X102Y106 (Area of Interest 9) on August 14, 2006. Groundwater samples are still being collected for traces of Phloxine B at the proposed monitoring well locations in the approved RFI Work Plan Addendum No. 11;
- Fact Sheet No. 14 was issued September 15, 2006;
- Air monitoring was conducted in the East Plant Area. 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 becomes available. Preliminary air monitoring data for the East Plant Area were submitted to the U.S. EPA on July 12, 18, and 26, 2006; August 1, 8, 14, 21, and 30; and September 6, 11, 22, and 28. Additional changes to the East Plant Area AAQMP included:
 - A proposal to temporarily modify the Ambient Air Quality Monitoring Plan (AAQMP) to collect two, 12-hour period PCB samples per day at sensitive receptor stations was submitted to the U.S. EPA on August 3, 2006. The

- purpose was to gain a better understanding of how the construction activity contributes to the air monitoring results;
- The modified 12-hour period samples were collected August 17, 18, and 19, 2006;
 - A response to U.S. EPA comments regarding TSP data collection in the East Plant Area was submitted on September 28, 2006; and
 - Air monitoring results completed for work in the East Plant Area are presented on Tables 2.1 and 2.2; and
- 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: July 5 (Wednesday), 12 (Wednesday), 18, and 25, 2006; August 1, 8, 15, 22, and 29, 2006; and September 5, 12, 19, and 26, 2006. Minutes of these meetings are attached in Appendix A.

GM continues to monitor the results and make adjustments to work practices in the East Plant Area, as needed.

The June 2006, July 2006, and August 2006 CERCLA Removal Action Monthly Progress Reports were submitted during the 3rd quarter of 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:

- Submission of the revised draft East Plant Area Vault design report on July 11, 2006;
- Submission of the draft East Plant Area Trench Collection System design report on July 11, 2006;
- Submission of the East Plant Area Vault bottom Liner CQA on July 19, 2006;
- Submission of the RFI Facility Investigation: Addendum No. 9 Technical Memorandum on July 24, 2006;
- Submission of the RFI Facility Investigation: Addendum No. 12 Technical Memorandum on July 24, 2006;
- Submission of the revised draft East Plant Area Cover System design report on August 3, 2006;
- Submission of request for temporary modification the AAQMP to collect two 12-hour samples per day on August 3, 2006.
- Submission of the Rule 5 Erosion and Sediment Control Plan: Northern Tributary on August 4, 2006;
- Submission of East Plant Area Grading Fill Area on August 11, 2006;
- Submission of the draft AOI 8 Remedial Pilot Study on August 21, 2006;
- Submission of the Revised Soil Loss Calculations for the East Plant Area Vault cover on September 8, 2006;
- Submission of response to IDEM comments regarding the East Plant Area Vault Design Report September 7, 2006;
- Submission of Fact Sheet 14, September 15, 2006;
- Submission of response to U.S. EPA comments regarding TSP data collection in the East Plant Area on September 28, 2006; and
- Submission of response to U.S. EPA comments regarding proposed revisions to the RFI Work Plan: Addendum No. 11 dye trace study on September 28, 2006.

4.0 COMMUNITY RELATIONS

GM continues to maintain the toll free information telephone number. Individual meetings can 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 September 27, and 28, 2006, at the Facility. The September 27, and 28, 2006, 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 on December 6, and 7, 2006.

The CLP meeting occurred in this quarter on September 29, 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 is scheduled for December 8, 2006.

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

5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD

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

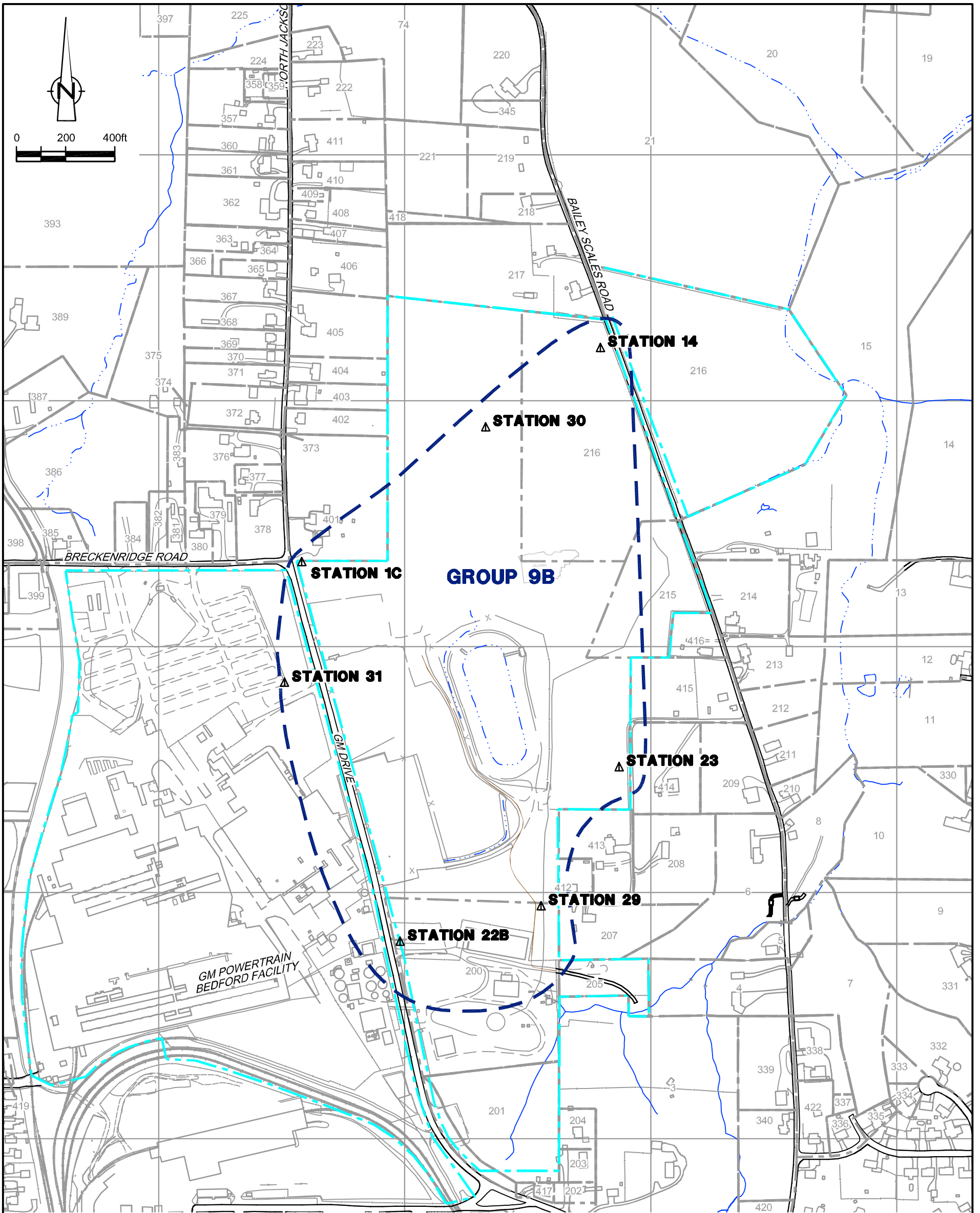
6.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD

Work projected for the next reporting period includes:

- Conducting a neighborhood information session on December 6, 2006;
- Conducting a general public information session on December 7, 2006;
- Conducting a Community Liaison Panel Meeting on December 8, 2006;
- Preparing and distributing Fact Sheet 15 in December 2006;
- Continuing with RA activities on Parcel 22 and downstream parcels;
- Continuing the evaluation of RFI soil and groundwater data;
- Continuing RFI Work Plan: Addendum No. 11 dye trace test monitoring;
- Continuing sampling and well installation for RFI Work Plan: Addendum No. 13;
- Completing Western Tributary IM Work Plan on Parcels 60 and 61;
- Commencing Northern Tributary IM Work Plan;
- Submitting an IM Work Plan for the Plant property areas west of GM Drive;
- Continuing work outlined in RFI Work Plan: Addendum No. 8 for the additional dye trace studies in the AOI 4 and AOI 6 areas in support of the East Plant Area IM;
- Submitting RFI Work Plan: Addendum No. 14 for shallow bedrock dye trace tests on the West Plant Area;
- Submitting the RFI Technical Memorandum (final logs and sampling results) for RFI Work Plan: Addendums 3, 4, 5, 6, and 7;
- Continuing excavation of over 50 mg/kg PCB materials in the East Plant Area and placement in the East Plant Area Vault;
- Submitting 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 Final (100%) East Plant Area Trench Design for U.S. EPA review;
- Submitting response to U.S. EPA comments on AOI 8 Source Removal Pilot study; and
- Continuation of placement of the < 50 mg/kg PCB Removal Action soils in the East Plant Area as grading fill.

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

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



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

LEGEND

- | | | | |
|--|------------------------------------|--|--|
| | EXISTING BUILDINGS | | APPROXIMATE PARCEL BOUNDARY |
| | FENCE LINE | | APPROXIMATE GM PROPERTY BOUNDARY |
| | RAILROAD TRACKS | | STATION 31
AIR SAMPLING LOCATION |
| | DIRT ROADS | | AIR SAMPLING GROUP |
| | ROADS / PAVED AREAS | | |
| | APPROXIMATE SURFACE WATER LOCATION | | |

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

figure 1
EAST PLANT AREA AIR MONITORING STATIONS
QUARTERLY PROGRESS REPORT #22
GM POWERTRAIN BEDFORD FACILITY
Bedford, Indiana



**SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - THIRD QUARTER 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
7/3/2006							
Total Volume(m3)	468	426(477)	384	412	446	1	416
Total PCB Mass(ug)	6.4	31(31)	10	65	51	*	4.7
PCB Concentration(ug/m3)	0.0137 J	0.0728(0.065)	0.026	0.1578	0.1143	*	0.0113
Percent of Allowable(%)	1	7(6)	3	16	11	*	1
7/5/2006							
Total Volume(m3)	369	271(428)	336	369	389	0	363
Total PCB Mass(ug)	7.2	1.9(3.2)	430	15	14	*	27
PCB Concentration(ug/m3)	0.0195	0.007(0.0075)	1.2798	0.0407	0.036	*	0.0744
Percent of Allowable(%)	2	1(1)	128 ⁽¹⁾	4	4	*	7
7/6/2006							
Total Volume(m3)	475	208(431)	405	348	345	362	395
Total PCB Mass(ug)	10	2.4(3.9)	650	9.9	35	8.9	320
PCB Concentration(ug/m3)	0.0211	0.0115(0.009)	1.6049	0.0284	0.1014	0.0246	0.8101
Percent of Allowable(%)	2	1(1)	160	3	10	2	81
7/7/2006							
Total Volume(m3)	403	353(420)	340	376	373	298	337
Total PCB Mass(ug)	14	4.8(4.2)	420	11	60	8.3	480
PCB Concentration(ug/m3)	0.0347	0.0136(0.01)	1.2353	0.0293	0.1609	0.0279	1.4243
Percent of Allowable(%)	3	1(1)	124 ⁽¹⁾	3	16	3	142 ⁽²⁾
7/8/2006							
Total Volume(m3)	470	467(437)	360	366	414	303	396
Total PCB Mass(ug)	120	5.3(6.1)	63	5.7	17	8.8	430
PCB Concentration(ug/m3)	0.2553 J	0.0113 J(0.014J)	0.175 J	0.0156 J	0.0411 J	0.029 J	1.0859 J
Percent of Allowable(%)	26	1(1)	18	2	4	3	109 ⁽²⁾
7/10/2006							
Total Volume(m3)	427	436(379)	356	335	389	385	372
Total PCB Mass(ug)	350	45(46)	8.8	40	32	130	170
PCB Concentration(ug/m3)	0.8197	0.1032(0.1214)	0.0247	0.1194	0.0823	0.3377	0.457
Percent of Allowable(%)	82	10(12)	2	12	8	34	46
7/17/2006							
Total Volume(m3)	421	430(401)	359	345	393	6	366
Total PCB Mass(ug)	380	22(24)	280	49	85	*	450
PCB Concentration(ug/m3)	0.9026	0.0512(0.0599)	0.7799	0.142	0.2163	*	1.2295
Percent of Allowable(%)	90	5(6)	78	14	22	*	123 ⁽²⁾
7/18/2006							
Total Volume(m3)	409	407(379)	339	264	373	274	342
Total PCB Mass(ug)	56	8.9(11)	730	19	37	11	330
PCB Concentration(ug/m3)	0.1369	0.0219(0.029)	2.1534	0.072	0.0992	0.0401	0.9649
Percent of Allowable(%)	14	2(3)	215 ⁽¹⁾	7	10	4	96

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7/19/2006							
Total Volume(m3)	435	421(392)	350	274	385	381	353
Total PCB Mass(ug)	550	10(12)	300	8.2	69	30	750
PCB Concentration(ug/m3)	1.2644	0.0238(0.0306)	0.8571	0.0299	0.1792	0.0787	2.1246
Percent of Allowable(%)	126 ⁽²⁾	2(3)	86	3	18	8	212 ⁽²⁾
7/20/2006							
Total Volume(m3)	425	399(371)	381	255	407	359	348
Total PCB Mass(ug)	220	18(19)	220	27	170	56	430
PCB Concentration(ug/m3)	0.5176	0.0451(0.0512)	0.5774	0.1059	0.4177	0.156	1.2356
Percent of Allowable(%)	52	5(5)	58	11	42	16	124 ⁽²⁾
7/21/2006							
Total Volume(m3)	391	393(366)	338	277	371	355	324
Total PCB Mass(ug)	140	15(15)	270	71	570	59	170
PCB Concentration(ug/m3)	0.3581	0.0382(0.041)	0.7988	0.2563	1.5364	0.1662	0.5247
Percent of Allowable(%)	36	4(4)	80	26	154 ⁽¹⁾	17	52
7/22/2006							
Total Volume(m3)	525	507(473)	448	357	469	451	405
Total PCB Mass(ug)	26	5.5(5.8)	670	55	530	11	75
PCB Concentration(ug/m3)	0.0495	0.0108(0.0123)	1.4955	0.1541	1.1301	0.0244	0.1852
Percent of Allowable(%)	5	1(1)	150 ⁽¹⁾	15	113 ⁽¹⁾	2	19
7/24/2006							
Total Volume(m3)	386	364(351)	352	262	372	331	347
Total PCB Mass(ug)	65	20(19)	93	120	240	31	660
PCB Concentration(ug/m3)	0.1684	0.0549(0.0541)	0.2642	0.458	0.6452	0.0937	1.902
Percent of Allowable(%)	17	5(5)	26	46	65	9	190 ⁽²⁾
7/25/2006							
Total Volume(m3)	424	415(372)	382	256	400	358	352
Total PCB Mass(ug)	560	28(29)	21	91	160	180	83
PCB Concentration(ug/m3)	1.3208	0.0675(0.078)	0.055	0.3555	0.4	0.5028	0.2358
Percent of Allowable(%)	132 ⁽²⁾	7(8)	6	36	40	50	24
7/26/2006							
Total Volume(m3)	445	421(422)	378	259	431	385	374
Total PCB Mass(ug)	42	180(180)	8.9	33	30	420	8.4
PCB Concentration(ug/m3)	0.0944	0.4276(0.4265)	0.0235 J	0.1274	0.0696	1.0909	0.0225 J
Percent of Allowable(%)	9	43(43)	2	13	7	109 ⁽¹⁾	2
7/28/2006							
Total Volume(m3)	421	431(418)	354	271	402	389	382
Total PCB Mass(ug)	59	48(50)	5.2	82	17	110	7.7
PCB Concentration(ug/m3)	0.1401	0.1114(0.1196)	0.0147	0.3026	0.0423	0.2828	0.0202
Percent of Allowable(%)	14	11(12)	1	30	4	28	2

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7/29/2006							
Total Volume(m3)	435	433(417)	352	270	401	375	381
Total PCB Mass(ug)	210	24(24)	27	97	340	70	260
PCB Concentration(ug/m3)	0.4828	0.0554(0.0576)	0.0767	0.3593	0.8479	0.1867	0.6824
Percent of Allowable(%)	48	6(6)	8	36	85	19	68
7/31/2006							
Total Volume(m3)	373	412(384)	281	299	381	386	344
Total PCB Mass(ug)	520	36(44)	16	70	31	120	170
PCB Concentration(ug/m3)	1.3941	0.0874(0.1146)	0.0569	0.2341	0.0814	0.3109	0.4942
Percent of Allowable(%)	139 ⁽²⁾	9(11)	6	23	8	31	49
8/1/2006							
Total Volume(m3)	452	450(421)	304	325	446	421	411
Total PCB Mass(ug)	360	53(61)	16	160	66	170	32
PCB Concentration(ug/m3)	0.7965	0.1178(0.1449)	0.0526	0.4923	0.148	0.4038	0.0779
Percent of Allowable(%)	80	12(14)	5	49	15	40	8
8/2/2006							
Total Volume(m3)	432	466(436)	310	347	423	402	392
Total PCB Mass(ug)	15	120(130)	7.9	160	36	290	6.6
PCB Concentration(ug/m3)	0.0347	0.2575(0.2982)	0.0255	0.4611	0.0851	0.7214	0.0168
Percent of Allowable(%)	3	26(30)	3	46	9	72	2
8/3/2006							
Total Volume(m3)	448	429(429)	288	332	409	443	368
Total PCB Mass(ug)	14	14(14)	250	190	460	32	5.9
PCB Concentration(ug/m3)	0.0312	0.0326(0.0326)	0.8681 J	0.5723	1.1247	0.0722	0.016
Percent of Allowable(%)	3	3(3)	87	57	112 ⁽¹⁾	7	2
8/4/2006							
Total Volume(m3)	427	430(387)	306	329	441	403	429
Total PCB Mass(ug)	20	9.3(8.2)	790	21	36	21	170
PCB Concentration(ug/m3)	0.0468	0.0216(0.0212)	2.5817 J	0.0638	0.0816	0.0521	0.3963
Percent of Allowable(%)	5	2(2)	258	6	8	5	40
8/5/2006							
Total Volume(m3)	505	489(458)	349	360	506	477	492
Total PCB Mass(ug)	37	22(46)	400	20	17	26	1000
PCB Concentration(ug/m3)	0.0733	0.045 J(0.1004J)	1.1461	0.0556	0.0336	0.0545	2.0325
Percent of Allowable(%)	7	4(10)	115 ⁽²⁾	6	3	5	203 ⁽²⁾
8/7/2006							
Total Volume(m3)	436	462(462)	312	340	435	421	399
Total PCB Mass(ug)	24	9.3(9.9)	460	82	250	23	68
PCB Concentration(ug/m3)	0.055	0.0201(0.0214)	1.4744 J	0.2412	0.5747	0.0546	0.1704
Percent of Allowable(%)	6	2(2)	147	24	57	5	17

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8/8/2006							
Total Volume(m3)	356	382(359)	266	261	366	334	323
Total PCB Mass(ug)	73	10(9.3)	300	25	110	19	430
PCB Concentration(ug/m3)	0.2051	0.0262(0.0259)	1.1278	0.0958	0.3005	0.0569	1.3313 J
Percent of Allowable(%)	21	3(3)	113 ⁽²⁾	10	30	6	133 ⁽²⁾
8/9/2006							
Total Volume(m3)	432	452(424)	389	365	432	395	409
Total PCB Mass(ug)	140	20(19)	190	34	130	59	380
PCB Concentration(ug/m3)	0.3241	0.0442(0.0448)	0.4884	0.0932	0.3009	0.1494	0.9291
Percent of Allowable(%)	32	4(4)	49	9	30	15	93
8/10/2006							
Total Volume(m3)	422	426(427)	344	327	375	373	349
Total PCB Mass(ug)	91	19(18)	180	26	120	36	110
PCB Concentration(ug/m3)	0.2156	0.0446(0.0422)	0.5233	0.0795	0.32	0.0965	0.3152
Percent of Allowable(%)	22	4(4)	52	8	32	10	32
8/11/2006							
Total Volume(m3)	431	460(446)	360	340	408	402	374
Total PCB Mass(ug)	19	5.5(5)	320	9.6	18	17	220
PCB Concentration(ug/m3)	0.0441	0.012(0.0112)	0.8889 J	0.0282	0.0441	0.0423	0.5882
Percent of Allowable(%)	4	1(1)	89	3	4	4	59
8/12/2006							
Total Volume(m3)	514	523(506)	448	401	504	472	408
Total PCB Mass(ug)	26	6.7(6.2)	390	11	42	24	220
PCB Concentration(ug/m3)	0.0506	0.0128(0.0123)	0.8705	0.0274	0.0833	0.0508	0.5392
Percent of Allowable(%)	5	1(1)	87	3	8	5	54
8/14/2006							
Total Volume(m3)	435	411(418)	363	334	409	391	52
Total PCB Mass(ug)	15	12(8.6)	170	82	200	29	*
PCB Concentration(ug/m3)	0.0345	0.0292(0.0206)	0.4683	0.2455	0.489	0.0742	*
Percent of Allowable(%)	3	3(2)	47	25	49	7	*
8/15/2006							
Total Volume(m3)	440	NR(425)	373	337	417	399	121
Total PCB Mass(ug)	14	NR(8.1)	390	20	42	32	*
PCB Concentration(ug/m3)	0.0318	NR(0.0191)	1.0456 J	0.0593	0.1007	0.0802	*
Percent of Allowable(%)	3	NR(2)	105 ⁽²⁾	6	10	8	*
8/16/2006							
Total Volume(m3)	430	359(333)	348	334	424	393	288
Total PCB Mass(ug)	18	7(6.2)	280	15	36	31	6.4
PCB Concentration(ug/m3)	0.0419	0.0195(0.0186)	0.8046 J	0.0449	0.0849	0.0789	0.0222
Percent of Allowable(%)	4	2(2)	80	4	8	8	2

**SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - THIRD QUARTER 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
8/17/2006 - AM setup							
Total Volume(m3)	215	412(412)	186	335	416	397	72
Total PCB Mass(ug)	60	110(1.3)	63	15	14	57	*
PCB Concentration(ug/m3)	0.2791	0.267 J(0.0032J)	0.3387	0.0448	0.0337	0.1436	*
Percent of Allowable(%)	28 ^(t)	27(0)	34 ^(t)	4	3	14	* ^(t)
8/17/2006 - PM setup							
Total Volume(m3)	221	NR	180	NR	NR	NR	1
Total PCB Mass(ug)	25	NR	41	NR	NR	NR	*
PCB Concentration(ug/m3)	0.1131	NR	0.2278	NR	NR	NR	*
Percent of Allowable(%)	11 ^(t)	NR	23 ^(t)	NR	NR	NR	* ^(t)
8/18/2006 - AM setup							
Total Volume(m3)	204	426(413)	184	336	439	389	150
Total PCB Mass(ug)	8.6	14(12)	180	31	85	25	16
PCB Concentration(ug/m3)	0.0422	0.0329(0.0291)	0.9783	0.0923	0.1936	0.0643	0.1067
Percent of Allowable(%)	4 ^(t)	3(3)	98 ^(t)	9	19	6	11 ^(t)
8/18/2006 - PM setup							
Total Volume(m3)	232	NR	199	NR	NR	NR	208
Total PCB Mass(ug)	140	NR	27	NR	NR	NR	270
PCB Concentration(ug/m3)	0.6034	NR	0.1357	NR	NR	NR	1.2981
Percent of Allowable(%)	60 ^(t)	NR	14 ^(t)	NR	NR	NR	130 ^(t)
8/19/2006 - AM setup							
Total Volume(m3)	196	383(396)	173	333	392	365	179
Total PCB Mass(ug)	8.7	8.8(9.3)	15	68	140	23	20
PCB Concentration(ug/m3)	0.0444	0.023(0.0235)	0.0867	0.2042	0.3571	0.063	0.1117
Percent of Allowable(%)	4 ^(t)	2(2)	9 ^(t)	20	36	6	11 ^(t)
8/19/2006 - PM setup							
Total Volume(m3)	217	NR	182	NR	NR	NR	191
Total PCB Mass(ug)	23	NR	340	NR	NR	NR	49
PCB Concentration(ug/m3)	0.106	NR	1.8681 J	NR	NR	NR	0.2565
Percent of Allowable(%)	11 ^(t)	NR	187 ^(t)	NR	NR	NR	26 ^(t)
8/21/2006							
Total Volume(m3)	487	440(426)	384	369	435	423	430
Total PCB Mass(ug)	36	7.2(6.5)	280	13	29	23	110
PCB Concentration(ug/m3)	0.0739	0.0164(0.0153)	0.7292 J	0.0352	0.0667	0.0544	0.2558
Percent of Allowable(%)	7	2(2)	73	4	7	5	26
8/22/2006							
Total Volume(m3)	464	418(416)	380	358	426	399	378
Total PCB Mass(ug)	18	8.3(8.9)	270	20	38	25	140
PCB Concentration(ug/m3)	0.0388	0.0199(0.0214)	0.7105 J	0.0559	0.0892	0.0627	0.3704 J
Percent of Allowable(%)	4	2(2)	71	6	9	6	37

**SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - THIRD QUARTER 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
8/23/2006							
Total Volume(m3)	467	450(449)	386	364	417	417	373
Total PCB Mass(ug)	69	16(16)	170	14	46	30	240
PCB Concentration(ug/m3)	0.1478	0.0356(0.0356)	0.4404 J	0.0385	0.1103	0.0719	0.6434
Percent of Allowable(%)	15	4(4)	44	4	11	7	64
8/24/2006							
Total Volume(m3)	423	443(414)	378	330	424	380	359
Total PCB Mass(ug)	150	13(13)	110	6.3	20	34	210
PCB Concentration(ug/m3)	0.3546	0.0293(0.0314)	0.291 J	0.0191	0.0472	0.0895	0.585 J
Percent of Allowable(%)	35	3(3)	29	2	5	9	58
8/25/2006							
Total Volume(m3)	426	457(427)	358	353	405	396	374
Total PCB Mass(ug)	220	25(23)	48	16	18	62	250
PCB Concentration(ug/m3)	0.5164 J	0.0547(0.0539)	0.1341	0.0453	0.0444	0.1566	0.6684 J
Percent of Allowable(%)	52	5(5)	13	5	4	16	67
8/26/2006							
Total Volume(m3)	524	515(465)	442	397	499	433	441
Total PCB Mass(ug)	220	14(12)	46	35	72	96	66
PCB Concentration(ug/m3)	0.4198	0.0272(0.0258)	0.1041	0.0882	0.1443	0.2217	0.1497
Percent of Allowable(%)	42	3(3)	10	9	14	22	15
8/29/2006							
Total Volume(m3)	418	432(419)	365	342	413	406	362
Total PCB Mass(ug)	12	3.9(3.8)	100	48	270	7.2	6.4
PCB Concentration(ug/m3)	0.0287	0.009(0.0091)	0.274	0.1404	0.6538	0.0177	0.0177
Percent of Allowable(%)	3	1(1)	27	14	65	2	2
8/30/2006							
Total Volume(m3)	450	448(404)	383	327	430	392	383
Total PCB Mass(ug)	29	3.4(3.4)	190	14	70	7.5	73
PCB Concentration(ug/m3)	0.0644	0.0076(0.0084)	0.4961	0.0428	0.1628	0.0191	0.1906
Percent of Allowable(%)	6	1(1)	50	4	16	2	19
8/31/2006							
Total Volume(m3)	467	449(376)	395	358	445	382	375
Total PCB Mass(ug)	5.2	1.6(0.6)	210	11	16	3.3	32
PCB Concentration(ug/m3)	0.0111	0.0036 J(0.0016J)	0.5316	0.0307	0.036	0.0086	0.0853
Percent of Allowable(%)	1	0(0)	53	3	4	1	9
9/5/2006							
Total Volume(m3)	412	420(NR)	387	356	452	415	400
Total PCB Mass(ug)	11	4.1(NR)	300	17	84	15	12
PCB Concentration(ug/m3)	0.0267	0.0098(NR)	0.7752 J	0.0478	0.1858	0.0361	0.03
Percent of Allowable(%)	3	1(NR)	78	5	19	4	3

**SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - THIRD QUARTER 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
9/6/2006							
Total Volume(m3)	422	416(347)	410	358	430	406	381
Total PCB Mass(ug)	45	9.8(9.3)	210	19	96	26	300
PCB Concentration(ug/m3)	0.1066	0.0236(0.0268)	0.5122 J	0.0531	0.2233	0.064	0.7874 J
Percent of Allowable(%)	11	2(3)	51	5	22	6	79
9/7/2006							
Total Volume(m3)	450	406(397)	369	347	414	393	389
Total PCB Mass(ug)	110	9(8.8)	150	9.9	26	24	340
PCB Concentration(ug/m3)	0.2444	0.0222(0.0222)	0.4065 J	0.0285	0.0628	0.0611	0.874 J
Percent of Allowable(%)	24	2(2)	41	3	6	6	87
9/8/2006							
Total Volume(m3)	492	434(449)	404	367	456	430	395
Total PCB Mass(ug)	110	18(17)	210	12	45	36	570
PCB Concentration(ug/m3)	0.2236	0.0415(0.0379)	0.5198	0.0327	0.0987	0.0837	1.443 J
Percent of Allowable(%)	22	4(4)	52	3	10	8	144 ⁽³⁾
9/9/2006							
Total Volume(m3)	543	468(502)	464	432	499	0	464
Total PCB Mass(ug)	110	17(15)	260	17	80	*	680
PCB Concentration(ug/m3)	0.2026	0.0363(0.0299 J)	0.5603	0.0394	0.1603	*	1.4655
Percent of Allowable(%)	20	4(3)	56	4	16	*	147 ⁽³⁾
9/11/2006							
Total Volume(m3)	499	424(427)	391	367	415	423	386
Total PCB Mass(ug)	380	14(16)	37	8.2	27	42	210
PCB Concentration(ug/m3)	0.7615	0.033(0.0375)	0.0946	0.0223	0.0651	0.0993	0.544
Percent of Allowable(%)	76	3(4)	9	2	7	10	54
9/14/2006							
Total Volume(m3)	481	442(455)	392	399	466	442	414
Total PCB Mass(ug)	23	7.8(11)	200	41	120	38	83
PCB Concentration(ug/m3)	0.0478	0.0176(0.0242)	0.5102	0.1028	0.2575	0.086	0.2005
Percent of Allowable(%)	5	2(2)	51	10	26	9	20
9/15/2006							
Total Volume(m3)	538	435(404)	418	375	452	413	431
Total PCB Mass(ug)	120	8.8(8.7)	140	12	36	34	590
PCB Concentration(ug/m3)	0.223	0.0202(0.0215)	0.3349 J	0.032	0.0796	0.0823	1.3689 J
Percent of Allowable(%)	22	2(2)	33	3	8	8	137 ⁽³⁾
9/16/2006							
Total Volume(m3)	487	454(485)	439	426	466	457	433
Total PCB Mass(ug)	340	10(11)	68	5.7	12	62	180
PCB Concentration(ug/m3)	0.6982	0.022(0.0227)	0.1549	0.0134	0.0258	0.1357	0.4157
Percent of Allowable(%)	70	2(2)	15	1	3	14	42

**SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - THIRD QUARTER 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
9/18/2006							
Total Volume(m3)	454	429(458)	388	354	383	358	401
Total PCB Mass(ug)	7.9	3(2.9)	13	27	54	4.7	2.8
PCB Concentration(ug/m3)	0.0174	0.007(0.0063)	0.0335	0.0763	0.141	0.0131	0.007
Percent of Allowable(%)	2	1(1)	3	8	14	1	1
9/19/2006							
Total Volume(m3)	469	429(442)	402	331	441	403	416
Total PCB Mass(ug)	4.4	1(1)	2.8	38	130	2.2	1.7
PCB Concentration(ug/m3)	0.0094	0.0023(0.0023)	0.007	0.1148	0.2948	0.0055	0.0041
Percent of Allowable(%)	1	0(0)	1	11	29	1	0
9/20/2006							
Total Volume(m3)	470	432(462)	414	343	458	433	403
Total PCB Mass(ug)	21	3.4(3.7)	74	16	50	12	66
PCB Concentration(ug/m3)	0.0447	0.0079(0.008)	0.1787	0.0466	0.1092	0.0277	0.1638
Percent of Allowable(%)	4	1(1)	18	5	11	3	16
9/21/2006							
Total Volume(m3)	477	424(436)	406	338	448	407	408
Total PCB Mass(ug)	180	2.3(2.2)	18	4.5	6.7	10	230
PCB Concentration(ug/m3)	0.3774	0.0054(0.005)	0.0443	0.0133	0.015	0.0246	0.5637
Percent of Allowable(%)	38	1(0)	4	1	2	2	56
9/25/2006							
Total Volume(m3)	472	424(437)	409	342	443	424	393
Total PCB Mass(ug)	16	8.8(9.2)	21	26	31	26	55
PCB Concentration(ug/m3)	0.0339	0.0208(0.0211)	0.0513	0.076	0.07	0.0613	0.1399
Percent of Allowable(%)	3	2(2)	5	8	7	6	14
9/26/2006							
Total Volume(m3)	485	419(434)	380	335	428	424	399
Total PCB Mass(ug)	180	15(15)	9.9	9.9	13	66	11
PCB Concentration(ug/m3)	0.3711	0.0358(0.0346)	0.0261	0.0296	0.0304	0.1557	0.0276
Percent of Allowable(%)	37	4(3)	3	3	3	16	3
9/27/2006							
Total Volume(m3)	441	425(411)	416	325	406	413	416
Total PCB Mass(ug)	14	28(26)	21	30	80	61	8.7
PCB Concentration(ug/m3)	0.0317	0.0659(0.0633)	0.0505	0.0923	0.197	0.1477	0.0209
Percent of Allowable(%)	3	7(6)	5	9	20	15	2
9/28/2006							
Total Volume(m3)	495	460(459)	427	343	454	442	419
Total PCB Mass(ug)	13	3.8(3.8)	41	26	76	11	28
PCB Concentration(ug/m3)	0.0263	0.0083(0.0083)	0.096	0.0758	0.1674	0.0249	0.0668
Percent of Allowable(%)	3	1(1)	10	8	17	2	7

**SUMMARY OF PCB AIR MONITORING ANALYTICAL RESULTS - THIRD QUARTER 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
9/29/2006							
Total Volume(m3)	465	420(433)	410	306	443	408	390
Total PCB Mass(ug)	72	18(17)	5	9.9	13	34	5.9
PCB Concentration(ug/m3)	0.1548	0.0429(0.0393)	0.0122	0.0324	0.0293	0.0833	0.0151
Percent of Allowable(%)	15	4(4)	1	3	3	8	2
9/30/2006							
Total Volume(m3)	538	475(490)	453	360	497	463	433
Total PCB Mass(ug)	11	17(18)	15	12	18	23	4.8
PCB Concentration(ug/m3)	0.0204	0.0358(0.0367)	0.0331	0.0333	0.0362	0.0497	0.0111
Percent of Allowable(%)	2	4(4)	3	3	4	5	1

Notes:

* - Results not reported due to machine malfunction

NR - No result because machine was not setup

^(f) - Result is based on a sampling time of 12 hours

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

⁽²⁾ - Exceedance primarily attributed to >50 ppm soil placement into the vault.

⁽³⁾ - Exceedance primarily attributed to >50 ppm soil excavation in Excavation Plan I.

**SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - THIRD QUARTER 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
7/3/2006							
Total Volume(m3)	1293	1799(1663)	1392	1721	1407	3	1314
Average Flow(m3/min)	0.8	0.97(0.96)	0.87	1	0.85	*	0.82
TSP Concentration(mg/m3)	0.1259	0.0565(0.0384)	0.0815	0.0679	0.0828	*	0.0744
Percent of Allowable(%)	93	42(28)	UPWIND	50	61	*	55
7/5/2006							
Total Volume(m3)	919	1565(1290)	1137	1507	1264	4	1106
Average Flow(m3/min)	0.72	1.08(0.89)	0.88	1.06	0.91	*	0.85
TSP Concentration(mg/m3)	0.069	0.0231(0.0505)	0.0898	0.05	0.0305	*	0.0841
Percent of Allowable(%)	82	UPWIND(UPWIND)	106 ⁽¹⁾	59	36	*	100 ⁽²⁾
7/6/2006							
Total Volume(m3)	1241	1623(1448)	1437	1554	1384	1248	1231
Average Flow(m3/min)	0.81	1.09(0.97)	0.92	1.07	0.96	0.96	0.84
TSP Concentration(mg/m3)	0.0493	0.0404(0.0484)	0.0869	0.0244	0.0516	0.027	0.1094
Percent of Allowable(%)	61	UPWIND(UPWIND)	108 ⁽¹⁾	30	64	33	135 ⁽²⁾
7/7/2006							
Total Volume(m3)	1040	1550(1294)	1252	1458	1341	1165	1154
Average Flow(m3/min)	0.8	1.09(0.91)	0.92	1.02	0.97	0.82	0.89
TSP Concentration(mg/m3)	0.0312	0.0344(0.0457)	0.16	0.0396	0.0257	0.0489	0.0764
Percent of Allowable(%)	41	UPWIND(UPWIND)	210 ⁽¹⁾	52	34	64	100 ⁽²⁾
7/8/2006							
Total Volume(m3)	1256	1763(1424)	1427	1391	1456	1228	1316
Average Flow(m3/min)	0.8	1.15(0.93)	0.95	0.95	0.95	0.81	0.83
TSP Concentration(mg/m3)	0.1763 J	0.04 J(0.0581 J)	0.0672 J	0.0597 J	0.0442 J	0.0628 J	0.1065 J
Percent of Allowable(%)	239 ⁽¹⁾	54(79)	91	81	UPWIND	85	144 ⁽²⁾
7/10/2006							
Total Volume(m3)	997	1366(1324)	1227	1174	1283	1098	1174
Average Flow(m3/min)	0.7	0.95(0.92)	0.86	0.84	0.89	0.77	0.82
TSP Concentration(mg/m3)	0.1099	0.0592(0.0514)	0.0769	0.0575	0.0627	0.0805	0.0721
Percent of Allowable(%)	86	46(40)	UPWIND	45	49	63	56
7/17/2006							
Total Volume(m3)	1088	1401(1312)	1237	1196	1269	17	1205
Average Flow(m3/min)	0.75	0.97(0.91)	0.86	0.83	0.87	*	0.82
TSP Concentration(mg/m3)	0.0867	0.0594(0.0607)	0.084	0.0735	0.0735	*	0.0841
Percent of Allowable(%)	62	42(43)	UPWIND	52	52	*	60
7/18/2006							
Total Volume(m3)	1106	436(457)	1130	1365	1292	792	1150
Average Flow(m3/min)	0.78	*(*)	0.8	0.98	0.9	0.78	0.8
TSP Concentration(mg/m3)	0.0023	*(*)	0.1603	0.076	0.0685	0.09	0.1131
Percent of Allowable(%)	**	*(*)	**	**	**	**	**

SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - THIRD QUARTER 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
7/19/2006							
Total Volume(m3)	NR	1436(NR)	1240	1389	1335	1174	1178
Average Flow(m3/min)	NR	0.97(NR)	0.85	0.96	0.9	0.8	0.8
TSP Concentration(mg/m3)	NR	0.0841(NR)	0.105	0.0896	0.0866	0.0958	0.153
Percent of Allowable(%)	NR	58(NR)	73	62	UPWIND	66	106 ⁽²⁾
7/20/2006							
Total Volume(m3)	1178	1194(1291)	1267	1064	1442	1109	1134
Average Flow(m3/min)	0.8	0.86(0.93)	0.83	0.79	0.92	0.8	0.78
TSP Concentration(mg/m3)	0.0789	0.0729(0.0649)	0.0997	0.0914	0.0716	0.0814	0.0802
Percent of Allowable(%)	66	61(54)	83	76	UPWIND	68	67
7/21/2006							
Total Volume(m3)	1124	1182(1304)	1164	NR	1238	1094	1259
Average Flow(m3/min)	0.83	0.86(0.95)	0.86	NR	0.9	0.8	0.93
TSP Concentration(mg/m3)	0.052	0.057(0.0518)	0.0519	NR	0.0536	0.0512	0.0237
Percent of Allowable(%)	60	UPWIND(UPWIND)	60	NR	62	59	27
7/22/2006							
Total Volume(m3)	1662	1411(1634)	NR	NR	1582	1408	1518
Average Flow(m3/min)	0.95	0.83(0.96)	NR	NR	0.91	0.81	0.86
TSP Concentration(mg/m3)	0.0278	0.0322(0.0204)	NR	NR	0.0273	0.0276	0.0295
Percent of Allowable(%)	82	UPWIND(UPWIND)	NR	NR	80	81	87
7/24/2006							
Total Volume(m3)	1125	1108(1172)	1073	NR	1314	1132	1138
Average Flow(m3/min)	0.84	0.87(0.92)	0.79	NR	0.95	0.92	0.85
TSP Concentration(mg/m3)	0.0421	0.0562(0.0529)	0.077	NR	0.0644	0.0107	0.0773
Percent of Allowable(%)	39	52(49)	72	NR	UPWIND	10	72
7/25/2006							
Total Volume(m3)	1289	1312(1324)	1235	1067	1428	1268	1251
Average Flow(m3/min)	0.88	0.86(0.95)	0.84	0.79	0.96	0.92	0.85
TSP Concentration(mg/m3)	0.0874	0.0723(0.0725)	0.1161	0.0991	0.0884	0.0677	0.0845
Percent of Allowable(%)	45	37(37)	UPWIND	51	46	35	44
7/26/2006							
Total Volume(m3)	1291	1300(1383)	1241	1108	1452	1348	1228
Average Flow(m3/min)	0.87	0.88(0.93)	0.82	0.78	0.94	0.91	0.82
TSP Concentration(mg/m3)	0.0787	0.0771(0.0645)	0.0943	0.0702	NR	0.1115	0.082
Percent of Allowable(%)	50	49(41)	UPWIND	45	NR	71	52
7/28/2006							
Total Volume(m3)	1057	1223(1371)	495	1186	1063	1282	1177
Average Flow(m3/min)	0.75	0.84(0.94)	0.35	0.83	0.74	0.89	0.83
TSP Concentration(mg/m3)	0.0702	0.0459(0.0441)	0.0923	0.0617	0.0685	0.0542	0.039
Percent of Allowable(%)	46	30(29)	UPWIND	40	44	35	25

**SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - THIRD QUARTER 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
7/29/2006							
Total Volume(m3)	1276	1226(1477)	1187	1150	1144	1357	1143
Average Flow(m3/min)	0.88	0.84(1.01)	0.81	0.81	0.77	0.94	0.78
TSP Concentration(mg/m3)	0.0614	0.0662(0.0538)	0.093	0.0863	0.0853	0.0629	0.073
Percent of Allowable(%)	40	43(35)	UPWIND	56	55	40	47
7/31/2006							
Total Volume(m3)	1218	1363(1739)	1320	1195	1172	1271	1255
Average Flow(m3/min)	0.88	0.98(1.25)	0.94	0.88	0.82	0.92	0.9
TSP Concentration(mg/m3)	0.0632	0.0836(NR)	0.0735	0.0837	0.0708	0.0488	0.059
Percent of Allowable(%)	53	71(NR)	62	71	UPWIND	41	50
8/1/2006							
Total Volume(m3)	1342	1504(1824)	1329	1189	1192	1307	1147
Average Flow(m3/min)	0.92	1.02(1.24)	0.92	0.84	0.8	0.9	0.78
TSP Concentration(mg/m3)	0.0537	0.0592(0.0471)	0.0895	0.0732	0.0956	0.0765	0.0802
Percent of Allowable(%)	36	40(32)	UPWIND	49	64	51	54
8/2/2006							
Total Volume(m3)	1269	1501(1812)	1393	1214	1039	1292	1177
Average Flow(m3/min)	0.88	1.02(1.23)	0.94	0.84	0.71	0.9	0.81
TSP Concentration(mg/m3)	0.0749	0.0546(0.0375)	0.0818	0.0774	0.0982	0.0766	0.0663
Percent of Allowable(%)	55	40(27)	UPWIND	57	72	56	49
8/3/2006							
Total Volume(m3)	1143	1489(1793)	1227	1375	1116	1117	1052
Average Flow(m3/min)	0.79	1.02(1.23)	0.85	0.95	0.77	0.78	0.77
TSP Concentration(mg/m3)	0.0744	0.0564(0.048)	0.1108	0.0916	0.1918	0.0734	0.0846
Percent of Allowable(%)	40	30(26)	UPWIND	50	104 ⁽³⁾	40	46
8/4/2006							
Total Volume(m3)	1269	1321(1590)	1326	1243	1192	1167	1146
Average Flow(m3/min)	0.89	1.03(1.24)	0.91	0.87	0.81	0.84	0.8
TSP Concentration(mg/m3)	0.0244	0.0341(0.0176)	0.0762	0.0378	0.0394	0.0171	0.0672
Percent of Allowable(%)	83	UPWIND(UPWIND)	259 ⁽¹⁾	129 ⁽⁴⁾	134 ⁽³⁾	58	229 ⁽²⁾
8/5/2006							
Total Volume(m3)	1432	1632(1950)	1595	1301	1180	1305	1262
Average Flow(m3/min)	0.88	1.03(1.23)	0.96	0.83	0.7	0.82	0.77
TSP Concentration(mg/m3)	0.0377	0.0423(0.0231)	0.0571	0.0523	0.061	0.0743	0.1577
Percent of Allowable(%)	98	UPWIND(UPWIND)	148 ⁽¹⁾	136 ⁽⁴⁾	158 ⁽³⁾	193 ⁽⁵⁾	409 ⁽²⁾
8/7/2006							
Total Volume(m3)	1250	1430(1747)	1353	1217	990	1045	1180
Average Flow(m3/min)	0.86	0.99(1.21)	0.91	0.86	0.66	0.72	0.8
TSP Concentration(mg/m3)	0.064	0.0552(0.0361)	0.0739	0.0871	0.1253	0.0612	0.072
Percent of Allowable(%)	106 ⁽¹⁾	UPWIND(UPWIND)	123 ⁽¹⁾	144 ⁽⁴⁾	208 ⁽³⁾	102 ⁽⁵⁾	119 ⁽²⁾

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Unit_ID	STATION 1C TSP-12	STATION 14 TSP-11(TSP-5)	STATION 22B TSP-9	STATION 23 TSP-3	STATION 29 TSP-8	STATION 30 TSP-1	STATION 31 TSP-16
8/8/2006							
Total Volume(m3)	886	1213(1429)	1074	773	770	908	1042
Average Flow(m3/min)	0.74	1.01(1.19)	0.89	0.71	0.63	0.76	0.87
TSP Concentration(mg/m3)	0.0429	0.0322(0.0301)	0.0615	0.0414	0.0429	0.0385	0.0345
Percent of Allowable(%)	85	UPWIND(UPWIND)	122 ⁽¹⁾	82	85	77	69
8/10/2006							
Total Volume(m3)	1126	1329(1302)	1365	1175	899	1132	1089
Average Flow(m3/min)	0.8	0.96(0.94)	1.03	0.86	0.67	0.82	0.81
TSP Concentration(mg/m3)	0.0533	0.0346(0.0399)	0.0498	0.0451	0.0356	0.0362	0.0505
Percent of Allowable(%)	80	UPWIND(UPWIND)	75	68	53	54	76
8/11/2006							
Total Volume(m3)	1405	1377(1392)	1456	1176	932	1178	1239
Average Flow(m3/min)	1.01	0.95(0.96)	1.01	0.83	0.64	0.82	0.86
TSP Concentration(mg/m3)	0.0413	0.0552(0.0467)	0.0446	0.0595	0.0515	0.034	0.0428
Percent of Allowable(%)	53	UPWIND(UPWIND)	57	76	66	44	55
8/12/2006							
Total Volume(m3)	1800	1634(1699)	1690	769	1236	1401	1499
Average Flow(m3/min)	1.02	0.96(1)	0.98	0.46	0.71	0.83	0.88
TSP Concentration(mg/m3)	0.0167	0.0386(0.0206)	0.0396	0.0598	0.021	0.0457	0.042
Percent of Allowable(%)	49	UPWIND(UPWIND)	115 ⁽¹⁾	174 ⁽⁴⁾	61	133 ⁽⁶⁾	122 ⁽²⁾
8/14/2006							
Total Volume(m3)	1026	1184(1197)	1355	1100	1075	1175	175
Average Flow(m3/min)	0.73	0.84(0.85)	0.97	0.79	0.76	0.84	*
TSP Concentration(mg/m3)	0.0507	0.0524(0.0618)	0.048	0.07	0.0558	0.0494	*
Percent of Allowable(%)	63	65(77)	UPWIND	87	70	62	*
8/15/2006							
Total Volume(m3)	1010	1378(1432)	1464	1139	1412	1255	325
Average Flow(m3/min)	0.71	0.96(1)	1.02	0.81	0.98	0.88	*
TSP Concentration(mg/m3)	0.0307	0.0356(0.1068)	0.0546	0.0536	0.0191	0.0582	*
Percent of Allowable(%)	17	UPWIND(UPWIND)	31	30	11	33	*
8/16/2006							
Total Volume(m3)	874	1363(1420)	1366	1142	1260	1251	1069
Average Flow(m3/min)	0.65	0.96(1)	1.02	0.82	0.86	0.89	0.89
TSP Concentration(mg/m3)	0.0629	0.0455(0.0218)	0.0483	0.042	0.0317	0.1143	0.0393
Percent of Allowable(%)	173 ⁽¹⁾	UPWIND(UPWIND)	133 ⁽¹⁾	115 ⁽⁴⁾	87	314 ⁽⁶⁾	108 ⁽²⁾
8/17/2006 - AM setup							
Total Volume(m3)	467	1369(1340)	711	1105	1221	1250	321
Average Flow(m3/min)	0.67	0.95(0.93)	0.99	0.79	0.85	0.88	*
TSP Concentration(mg/m3)	0.167	0.0628(0.0672)	0.0563	0.0561	0.0434	0.2256	*
Percent of Allowable(%)	230 ^(t)	87(93)	78 ^(t)	77	UPWIND	311 ⁽⁶⁾	* ^(t)

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Unit_ID	STATION 1C TSP-12	STATION 14 TSP-11(TSP-5)	STATION 22B TSP-9	STATION 23 TSP-3	STATION 29 TSP-8	STATION 30 TSP-1	STATION 31 TSP-16
8/17/2006 - PM setup							
Total Volume(m3)	427	NR(NR)	717	NR	NR	NR	4
Average Flow(m3/min)	0.58	NR(NR)	0.99	NR	NR	NR	*
TSP Concentration(mg/m3)	0.0632	NR(NR)	0.06	NR	NR	NR	*
Percent of Allowable(%)	87 ^(f)	NR(NR)	83 ^(f)	NR	NR	NR	* ^(f)
8/18/2006 - AM setup							
Total Volume(m3)	435	1334(1307)	688	940	1287	1211	638
Average Flow(m3/min)	0.64	0.95(0.93)	0.97	0.67	0.85	0.87	0.9
TSP Concentration(mg/m3)	0.0621	0.0652(0.065)	0.1061	0.0617	0.0513	0.1387	0.069
Percent of Allowable(%)	72 ^(f)	76(76)	124 ^{(f)(1)}	72	UPWIND	162 ⁽⁶⁾	81 ^(f)
8/18/2006 - PM setup							
Total Volume(m3)	472	NR(NR)	736	NR	NR	NR	622
Average Flow(m3/min)	0.61	NR(NR)	0.96	NR	NR	NR	0.81
TSP Concentration(mg/m3)	0.0445	NR(NR)	0.053	NR	NR	NR	0.0707
Percent of Allowable(%)	52 ^(f)	NR(NR)	62 ^(f)	NR	NR	NR	83 ^(f)
8/19/2006 - AM setup							
Total Volume(m3)	353	1309(1309)	671	1139	1013	1137	605
Average Flow(m3/min)	0.52	0.95(0.95)	0.97	0.82	0.75	0.84	0.88
TSP Concentration(mg/m3)	0.0907	0.0481(0.0466)	0.0596	0.0781	0.0731	0.0607	0.0479
Percent of Allowable(%)	117 ^{(f)(1)}	UPWIND(UPWIND)	77 ^(f)	100 ⁽⁴⁾	94	78	62 ^(f)
8/19/2006 - PM setup							
Total Volume(m3)	377	NR(NR)	723	NR	NR	NR	573
Average Flow(m3/min)	0.52	NR(NR)	0.99	NR	NR	NR	0.78
TSP Concentration(mg/m3)	0.0531	NR(NR)	0.0581	NR	NR	NR	0.0646
Percent of Allowable(%)	68 ^(f)	NR(NR)	75 ^(f)	NR	NR	NR	83 ^(f)
8/21/2006							
Total Volume(m3)	756	1381(1428)	1536	1165	1045	1209	1292
Average Flow(m3/min)	0.5	0.94(0.97)	1	0.82	0.77	0.83	0.84
TSP Concentration(mg/m3)	0.0807	0.0587(0.0511)	0.0658	0.0609	0.0498	0.1803	0.0906
Percent of Allowable(%)	95	UPWIND(UPWIND)	77	71	58	211 ⁽⁶⁾	106 ⁽²⁾
8/22/2006							
Total Volume(m3)	817	1249(1304)	959	1144	1179	1226	1176
Average Flow(m3/min)	0.58	0.89(0.93)	0.68	0.83	0.83	0.89	0.84
TSP Concentration(mg/m3)	0.0661	0.0633(0.0713)	0.1397	0.0778	0.056	0.4307	0.0969
Percent of Allowable(%)	56	UPWIND(UPWIND)	117 ⁽¹⁾	65	47	362	81
8/23/2006							
Total Volume(m3)	859	1291(1366)	1088	1077	965	1222	1271
Average Flow(m3/min)	0.57	0.88(0.93)	0.76	0.74	0.67	0.85	0.92
TSP Concentration(mg/m3)	0.1234	0.0883(0.0615)	0.1232	0.0854	0.1098	0.563	0.0732
Percent of Allowable(%)	120 ⁽¹⁾	UPWIND(UPWIND)	120 ⁽¹⁾	83	107 ⁽³⁾	548 ⁽⁶⁾	71

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8/24/2006							
Total Volume(m3)	781	1269(1312)	1064	1182	922	1240	1285
Average Flow(m3/min)	0.57	0.88(0.91)	0.73	0.86	0.63	0.88	0.93
TSP Concentration(mg/m3)	0.1293	0.2025(0.1974)	0.1081	0.1007	0.0954	1.1726	0.0607
Percent of Allowable(%)	81	127(124) ⁽⁷⁾	68	63	UPWIND	736 ⁽⁶⁾	38
8/25/2006							
Total Volume(m3)	710	1300(1359)	1163	1192	840	1131	1221
Average Flow(m3/min)	0.5	0.87(0.91)	0.81	0.81	0.58	0.77	0.85
TSP Concentration(mg/m3)	0.1366	0.1362(0.1332)	0.08	0.0864	0.0952	0.3165	0.0975
Percent of Allowable(%)	86	86(84)	50	54	UPWIND	199 ⁽⁶⁾	61
8/26/2006							
Total Volume(m3)	826	1475(1526)	1324	1392	1053	1299	1465
Average Flow(m3/min)	0.47	0.88(0.91)	0.75	0.84	0.59	0.78	0.83
TSP Concentration(mg/m3)	0.115	0.0827(0.0826)	0.0702	0.0589	0.0693	0.2071	0.0526
Percent of Allowable(%)	99	71(71)	61	51	UPWIND	179 ⁽⁶⁾	45
8/29/2006							
Total Volume(m3)	898	1184(1228)	1129	1097	742	1065	1198
Average Flow(m3/min)	0.64	0.84(0.87)	0.8	0.8	0.52	0.76	0.86
TSP Concentration(mg/m3)	0.0468	0.0312(0.0228)	0.0399	0.0693	0.0404	0.0122	0.0242
Percent of Allowable(%)	UPWIND	40(29)	51	89	52	16	31
8/30/2006							
Total Volume(m3)	867	1259(1317)	1179	1206	833	1147	1150
Average Flow(m3/min)	0.6	0.86(0.9)	0.8	0.86	0.56	0.79	0.78
TSP Concentration(mg/m3)	0.0358	0.0477(0.0532)	0.0696	0.0531	0.0348	0.0227	0.0557
Percent of Allowable(%)	40	UPWIND(UPWIND)	78	60	39	26	63
8/31/2006							
Total Volume(m3)	879	1286(1328)	1217	1316	936	1118	1351
Average Flow(m3/min)	0.58	0.89(0.92)	0.8	0.88	0.61	0.79	0.9
TSP Concentration(mg/m3)	0.0387	0.0638(0.0595)	0.0863	0.0608	0.0449	0.0331	0.0326
Percent of Allowable(%)	39	UPWIND(UPWIND)	87	61	45	33	33
9/5/2006							
Total Volume(m3)	696	1243(1257)	1119	1258	847	1146	1216
Average Flow(m3/min)	0.49	0.85(0.86)	0.78	0.88	0.58	0.8	0.85
TSP Concentration(mg/m3)	0.0618	0.0418(0.0414)	0.092	0.0612	0.0626	0.0279	0.0461
Percent of Allowable(%)	89	UPWIND(UPWIND)	133 ⁽¹⁾	89	91	40	67
9/6/2006							
Total Volume(m3)	714	1317(1344)	1273	1067	801	1162	1158
Average Flow(m3/min)	0.49	0.91(0.93)	0.87	0.75	0.54	0.8	0.79
TSP Concentration(mg/m3)	0.049	0.0342(0.0387)	0.0542	0.0459	0.0699	0.031	0.0389
Percent of Allowable(%)	76	UPWIND(UPWIND)	84	71	108 ⁽³⁾	48	60

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9/7/2006							
Total Volume(m3)	1183	1286(1285)	1094	1077	813	1123	1130
Average Flow(m3/min)	0.84	0.91(0.91)	0.77	0.77	0.57	0.8	0.79
TSP Concentration(mg/m3)	0.0617	0.0505(0.0475)	0.0868	0.052	0.075	0.0481	0.0894
Percent of Allowable(%)	49	40(38)	69	42	UPWIND	38	71
9/8/2006							
Total Volume(m3)	1135	1375(1375)	1124	1409	1186	1219	1113
Average Flow(m3/min)	0.76	0.91(0.91)	0.75	0.96	0.78	0.82	0.76
TSP Concentration(mg/m3)	0.0705	0.0582(0.064)	0.1059	0.0781	0.0329	0.0509	0.1177
Percent of Allowable(%)	128 ⁽¹⁾	106(116) ⁽⁷⁾	193 ⁽¹⁾	142 ⁽⁴⁾	UPWIND	93	214 ⁽²⁾
9/9/2006							
Total Volume(m3)	1187	1642(1573)	1220	1599	1293	1422	1265
Average Flow(m3/min)	0.7	0.97(0.93)	0.71	0.96	0.75	0.85	0.79
TSP Concentration(mg/m3)	0.0556	0.0445(0.0598)	0.1	0.0588	0.0688	0.0506	0.0798
Percent of Allowable(%)	56	UPWIND(UPWIND)	100 ⁽¹⁾	59	69	51	80
9/11/2006							
Total Volume(m3)	931	1072(1281)	995	1324	1060	1087	1122
Average Flow(m3/min)	0.65	0.76(0.9)	0.7	0.94	0.74	0.77	0.79
TSP Concentration(mg/m3)	0.043	0.0401(0.0367)	0.0492	0.0393	0.0358	0.0386	0.0437
Percent of Allowable(%)	72	67(61)	82	66	UPWIND	65	73
9/14/2006							
Total Volume(m3)	1035	1201(1201)	1040	1315	1119	1136	1218
Average Flow(m3/min)	0.73	0.83(0.83)	0.72	0.92	0.77	0.8	0.85
TSP Concentration(mg/m3)	0.029	0.0233(0.0316)	0.0481	0.0471	0.0268	0.0238	0.0361
Percent of Allowable(%)	55	UPWIND(UPWIND)	91	89	51	45	68
9/15/2006							
Total Volume(m3)	1582	1292(1366)	1133	1431	1250	1207	1188
Average Flow(m3/min)	1	0.88(0.93)	0.73	0.99	0.8	0.83	0.77
TSP Concentration(mg/m3)	0.0265	0.0356(0.0388)	0.0565	0.037	0.0376	0.034	0.0648
Percent of Allowable(%)	41	UPWIND(UPWIND)	87	57	58	52	100 ⁽²⁾
9/16/2006							
Total Volume(m3)	1523	902(951)	1179	1517	1284	1293	1364
Average Flow(m3/min)	1	0.88(0.93)	0.73	0.96	0.77	0.82	0.85
TSP Concentration(mg/m3)	0.0361	0.0421(0.0389)	0.0492	0.0369	0.0366	0.0472	0.0315
Percent of Allowable(%)	59	69(64)	80	60	UPWIND	77	52
9/18/2006							
Total Volume(m3)	856	1110(1364)	958	1096	1208	1140	1114
Average Flow(m3/min)	0.62	0.93(0.94)	0.69	0.93	0.85	0.77	0.77
TSP Concentration(mg/m3)	0.0479	0.0162(0.0117)	0.0355	0.0411	0.0116	0.014	0.0189
Percent of Allowable(%)	81	27(20)	UPWIND	69	20	24	32

SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - THIRD QUARTER 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
9/19/2006							
Total Volume(m3)	1394	1329(1315)	1063	1300	1150	1184	1207
Average Flow(m3/min)	0.98	0.96(0.95)	0.74	0.9	0.78	0.85	0.84
TSP Concentration(mg/m3)	0.0882	0.0105 J(0.0259 J)	0.079	0.0685	0.0435	0.0211	0.0331
Percent of Allowable(%)	UPWIND	7(18)	54	47	30	14	22
9/20/2006							
Total Volume(m3)	1246	1384(1383)	1100	1144	1227	1288	1268
Average Flow(m3/min)	0.87	0.95(0.95)	0.77	0.8	0.83	0.89	0.88
TSP Concentration(mg/m3)	0.0257	0.0202(0.0145)	0.0582	0.0149	0.0171	0.0093	0.0386
Percent of Allowable(%)	UPWIND	47(34)	136	35	40	22	90
9/21/2006							
Total Volume(m3)	1142	1413(1341)	1108	1055	1134	1181	1224
Average Flow(m3/min)	0.79	0.99(0.94)	0.79	0.75	0.79	0.84	0.84
TSP Concentration(mg/m3)	0.0403	0.0354(0.038)	0.0397	0.0237	0.0256	0.0415	0.0449
Percent of Allowable(%)	94	83(89)	93	55	UPWIND	97	105 ⁽²⁾
9/25/2006							
Total Volume(m3)	1116	1381(1266)	1087	930	1117	1319	1279
Average Flow(m3/min)	0.78	0.97(0.89)	0.77	0.68	0.78	0.93	0.91
TSP Concentration(mg/m3)	0.1057	0.0268(0.034)	0.0736	0.0301	0.0439	0.0258	0.0461
Percent of Allowable(%)	144 ⁽¹⁾	37(46)	100	41	UPWIND	35	63
9/26/2006							
Total Volume(m3)	1157	1386(1276)	1178	964	1172	1298	1198
Average Flow(m3/min)	0.81	0.98(0.9)	0.83	0.69	0.82	0.92	0.84
TSP Concentration(mg/m3)	0.083	0.0339(0.0392)	0.0688	0.0207	0.0427	0.0401	0.0409
Percent of Allowable(%)	72	30(34)	UPWIND	18	37	35	36
9/27/2006							
Total Volume(m3)	1274	1436(1334)	1178	1033	1202	1286	1278
Average Flow(m3/min)	0.89	1(0.93)	0.82	0.73	0.83	0.91	0.89
TSP Concentration(mg/m3)	0.062	0.0404(0.048)	0.0942	0.0339	0.0632	0.0435	0.0266
Percent of Allowable(%)	39	26(31)	UPWIND	22	40	28	17
9/28/2006							
Total Volume(m3)	1451	1516(1364)	1227	1047	1189	1399	1305
Average Flow(m3/min)	0.97	1.01(0.91)	0.83	0.7	0.81	0.94	0.87
TSP Concentration(mg/m3)	0.0296	0.0178(0.0242)	0.0823	0.0334	0.0177	0.0129	0.0322
Percent of Allowable(%)	73	UPWIND(UPWIND)	204 ⁽¹⁾	83	44	32	80
9/29/2006							
Total Volume(m3)	959	1404(1318)	1199	918	1232	1323	1171
Average Flow(m3/min)	0.68	0.99(0.93)	0.85	0.66	0.86	0.94	0.84
TSP Concentration(mg/m3)	0.0719	0.0264(0.0288)	0.0475	0.0251	0.0325	0.0325	0.029
Percent of Allowable(%)	91	33(36)	UPWIND	32	41	41	37

SUMMARY OF TSP AIR MONITORING ANALYTICAL RESULTS - THIRD QUARTER 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
9/30/2006							
Total Volume(m3)	1614	1569(1539)	1345	1095	1343	1486	1444
Average Flow(m3/min)	1.02	0.98(0.96)	0.83	0.7	0.81	0.93	0.9
TSP Concentration(mg/m3)	0.0316	0.0312(0.0221)	0.0483	0.032	0.0454	0.033	0.0263
Percent of Allowable(%)	39	39(27)	UPWIND	40	56	41	33

Notes:

- * - Results not reported due to machine malfunction
- ** - UPWIND machine did not run, therefore % of allowable not calculable.
- (†) - Result is based on a sampling time of 12 hours and an UPWIND station sampling time of 24 hours
- NR - No result because machine was not setup
- (1) - Exceedance primarily attributed to project and local traffic along public roads.
- (2) - Exceedance primarily attributed to truck traffic along public roads and plant traffic in parking lot.
- (3) - Exceedance primarily attributed to project along the WTP haul road and excavation activities in Excavation Plan II.
- (4) - No work conducted in the vicinity of the air monitoring station.
- (5) - Exceedance primarily attributed to >50 ppm soil excavation in Excavation Plan I.
- (6) - Exceedance primarily attributed to sediment pond construction.
- (6) - Exceedance primarily attributed to contractor activities in the laydown area.

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: July 05, 2006 TIME: 03:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Severson
Katie Kamm; CRA	Ed Long; ENTACT	Dan Sekanovich; Severson
Jeff Maranciak; CRA	Joe Curilla; 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.	The drum found in the East Plant excavation was tested on 06-27-06. Results are pending.	CRA
1.3	Jeff Maranciak (CRA) would be on site while Dan Nelson (CRA) is on vacation through 07-10-06.	CRA
1.4	SES will provide CRA copies of PCB data results from individual air monitoring devices, once data is received from SES's lab.	SES/CRA
2.0	REQUEST FOR INFORMATION	
2.1	None.	--
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 perform maintenance/repairs to AOI-8 and the East Plant parking lot stockpiles.	SES
3.3	SES and ENTACT continue to implement additional measures to address air-monitoring concerns (i.e. dust control, weather/wind awareness, and mulching/tarpping). SES will assume East Plant dust control and haul road maintenance responsibilities following completion of GA-4 placement activities as ENTACT will be demobilizing from the area.	CRA/SES/ ENTACT
3.4	Construction of the new drainage ditch located west of the GM storm pond was completed 07-03-06.	McIntyre



<i>Item</i>	<i>Description</i>	<i>Action By</i>
3.5	SES will place additional sediment controls at drainage pipe west of the GM storm pond haul road.	SES
3.6	SES assisted GM in off loading of 9 roll-off boxes containing material from the ball diamond building demolition.	SES
3.7	<50-ppm excavations in the East Plant will not require daily mulching. All stockpiles (both >50-ppm and <50-ppm) will continue to be tarped or mulched at end of day.	CRA
3.8	Hubbell, Roth, and Clark will be on site beginning 07-07-06 for a site tour for evaluation of storm water improvements.	CRA/GM
4.0	GRADING AREAS # 1, 2, AND 3	
4.1	No work activities performed in this area during this reporting period.	--
5.0	GRADING AREA #4	
5.1	ENTACT continues the material management activities for the placement of <50-ppm material from the creek.	ENTACT
5.2	ENTACT estimates GA-4 would reach capacity by 07-07-06.	ENTACT
5.3	Semi-permanent tarp placement would begin on 07-10-06.	ENTACT
6.0	VAULT AREA AOI-7	
6.1	SES continues placement of >50-ppm materials in the vault using the south dump ramp.	SES
6.2	No material was placed into the vault on 06-27-06 due to previous night's rain.	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	>50 material excavation areas are to be heavily mulched covering all exposed surfaces. Areas that can not be mulched will be covered with tarps at end of day.	SES
7.3	The drum located in the East Parking Lot excavation was placed into a over-pack drum on 06-30-06.	SES
8.0	WORK HOURS	
8.1	ENTACT will begin working 10-hour days Monday through Friday 7:00 a.m. to 5:30 p.m. effective 07-10-06.	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	Bledsoe, Riggart & Guerrettaz - surveying	SES
9.2	Young Trucking - truck hauling	SES/ENTACT



<i>Item</i>	<i>Description</i>	<i>Action By</i>
9.3	McIntyre – drainage ditch	CRA

Attachments: _____

Prepared By:  Terri Channing Date Issued: July 11, 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: July 12, 2006 TIME: 02:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Sevenson
Dan Nelson; CRA	Joe Curilla; ENTACT	Dan Sekanovich; Sevenson
	Tony Certo; 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
Stacey DeLaReintrie; TetraTech	Pricilla Fonseca; USEPA	Jean Greensley; USEPA

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.1	The drum found in the East Plant excavation was tested on 06-27-06. Results are pending.	CRA
1.2	ENTACT and Sevenson will remind workers of proper hygiene and equipment safety while working in exclusion zones.	ENTACT/SES
2.0	REQUEST FOR INFORMATION	
2.1	None.	--
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 perform maintenance/repairs to AOI-8 and the East Plant parking lot stockpiles.	SES
3.3	SES assumed East Plant dust control and haul road maintenance responsibilities on 07-07-06.	SES
3.4	ENTACT and SES continue to tarp or mulch all stockpiles both >50-ppm and <50-ppm at end of day.	SES/ENTACT
3.5	ENTACT repaired ruts along the west side of the road at GM Drive and F Street on 07-12-06.	ENTACT
4.0	GRADING AREAS # 1, 2, AND 3	
4.1	No work activities performed in this area during this reporting period.	--



Item	Description	Action By
5.0	GRADING AREA #4	
5.1	ENTACT advised CRA that GA-4 reached capacity on 07-06-06.	ENTACT
5.2	Semi-permanent tarp placement began on 07-10-06.	ENTACT
5.3	Due to rain semi-permanent tarp placement was not performed on 07-11-06 and 07-12-06.	ENTACT
6.0	VAULT AREA AOI7	
6.1	SES continues placement of >50-ppm materials in the vault using the south dump ramp.	SES
6.2	No material was placed into the vault on 7-11-06 and 07-12-06 due to rain.	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 heavily mulch all >50 material excavation areas covering all exposed surfaces.	SES
7.3	A temporary entrance was established for access to the WTP during >50-ppm soil excavations within the AOI10 footprint.	SES
8.0	WORK HOURS	
8.1	ENTACT is working 10-hour days Monday through Friday 7:00 a.m. to 5:30 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	Bledsoe, Riggart & Guerrettaz - surveying	SES

Attachments: _____

Prepared By: Terri Channing  Date Issued: August 1, 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: July 18, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Severson
Dan Nelson; CRA	Joe Curilla; ENTACT	Dan Sekanovich; Severson
		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.	No unusual safety or health hazards observed during this reporting period.	--
2.0	REQUEST FOR INFORMATION	
2.1	None.	--
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 began removing the temporary <50-ppm stockpile to the East Parking Lot excavation area on 07-17-06.	SES
4.0	GRADING AREAS # 1, 2, AND 3	
4.1	No work activities performed in this area during this reporting period.	--
5.0	GRADING AREA #4	
5.1	GA-4 reached capacity on 07-06-06.	--
5.2	Semi-permanent tarp placement began on 07-10-06.	ENTACT
5.3	Due to rain semi-permanent tarp placement was not performed from 07-11-06 to 07-14-06.	ENTACT
5.4	ENTACT to begin demobing of equipment from the East plant area on 07-20-06.	ENTACT



<i>Item</i>	<i>Description</i>	<i>Action By</i>
6.0	VAULT AREA AOI7	
6.1	SES continues placement of >50-ppm materials in the vault using the south dump ramp.	SES
6.2	Due to rain no material was placed into the vault from 07-11-06 to 07-14-06.	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 heavily mulch all >50 material excavation areas covering all exposed surfaces.	SES
7.3	SES will remove and place into the vault all material within a 10' radius of the exposed drum.	SES
8.0	WORK HOURS	
8.1	ENTACT is working 10-hour days Monday through Friday 7:00 a.m. to 5:30 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	Bledsoe, Riggart & Guerrettaz - surveying	SES

Attachments: _____

Prepared By: Terri Channing Date Issued: August 1, 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: July 25, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Sevenson
Dan Nelson; CRA	Joe Curilla; ENTACT	Dan Sekanovich; 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
Stacey DeLaReintrie; Tetra Tech	Pricilla Fonseca; USEPA	Jean Greensley; USEPA

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.	No unusual safety or health hazards observed during this reporting period.	--
2.0	REQUEST FOR INFORMATION	
2.1	CRA requested SES provide meter information from sump pumping activities.	SES
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 completed relocating the temporary <50-ppm stockpile to the East Parking Lot excavation area on 07-19-06.	SES
3.3	SES will place additional silt fencing for sediment control along west side of WTP haul road.	SES
3.4	On 07-21-06 SES placed a protective barrier fence at the SE WTP access road preventing vehicle traffic from entering the excavation area.	SES
3.5	SES plans to re-locate the clean topsoil pile to a designated area in AOI4, pending CRA approval.	SES
3.6	SES continues to smooth roll excavation areas at end of day to reduce the amount of mulch used in daily cover application.	SES
3.7	ENTACT will re-locate their equipment and supplies from within the AOI4 excavation area by 07-31-06.	ENTACT



Item	Description	Action By
3.8	CRA East Plant point of contact will be Kristen Harper during Terri Channing's absence (07-28-06 to 08-07-06).	CRA
4.0	GRADING AREAS # 1, 2, 3 AND 4	
4.1	ENTACT completed the semi-permanent tarp placement on GA-4 on 07-19-06.	ENTACT
4.2	ENTACT performed repairs to tarps on GA-3 on 07-24-06.	ENTACT
5.0	VAULT AREA AOI7	
5.1	SES continues placement of >50-ppm materials in the vault using the south dump ramp.	SES
6.0	EAST PLANT EXCAVATION	
6.1	CRA continues to check elevation requirements have been met prior to SES continuing excavation to the next elevation depth.	CRA\SES
6.2	SES continues to heavily mulch all excavation areas covering all exposed surfaces.	SES
6.3	SES removed and placed into the vault all material within a 10' radius of the exposed drum on 07-25-06.	SES
6.4	SES placed all absorbent booms from the drum location into an over-pack drum on 07-25-06.	SES
6.5	SES anticipates excavations within the AOI4 footprint to start on 08-01-06.	SES
7.0	WORK HOURS	
7.1	ENTACT is working 8-hour days Monday through Friday 7:00 a.m. to 3:30 p.m.	ENTACT
7.2	ENTACT's East Plant water management (night) crew will remain on call as needed for inclement weather.	ENTACT
7.3	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
7.4	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.0	SUB-CONTRACTORS ON-SITE	
8.1	Bledsoe, Riggart & Guerrettaz – surveying	SES

Attachments: _____

Prepared By: Terri Channing  Date Issued: August 1, 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: August 1, 2006 TIME: 01:00 p.m.

Participants:

Kristen Harper; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Severson
Chris Bement; Severson	Tony Certo; Severson	Dan Sekanovich; 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	SES personnel working in the east plant area will be in Level C. SES has made necessary break time and personnel changes to account for the upgraded PPE.	--
1.2	SES relocated their PPE/decon area from the west side of the east plant area to the east side, south of the storm water pond. SES will tidy the previous area and will secure the orange construction fence along the east parking lot.	SES
2.0	REQUEST FOR INFORMATION	
2.1	CRA requested SES provide meter logs for vault sumps.	--
2.2	CRA informed SES that the east parking lot is to be back-filled 3' below original grade.	--
3.0	GENERAL WORK ACTIVITIES	
3.1	ENTACT completed maintenance/repairs to Grading Area-1 (GA-1), GA-2, GA-3 and GA-4, and will continue to inspect the grading areas and make repairs, as necessary.	--
3.2	SES completed placing additional silt fencing for sediment control along west side of WTP haul road.	--
3.3	SES relocated the clean topsoil stockpile to north of Grading Area 2 in AOI4.	--



<i>Item</i>	<i>Description</i>	<i>Action By</i>
3.4	SES continues to smooth roll excavation areas at end of day to reduce the amount of mulch used in daily cover application.	SES
3.5	ENTACT relocated their equipment and supplies from within the AOI4 excavation area.	--
3.6	CRA requested SES ensures that the clay stockpile (used in the vault construction) is adequately tarped at the end of each day.	SES
3.7	CRA East Plant point of contact will be Kristen Harper during Terri Channing's absence (07-28-06 to 08-07-06).	--
4.0	GRADING AREAS # 1, 2, 3 AND 4	
4.1	None.	--
5.0	VAULT AREA AOI7	
5.1	SES continues placement of >50-ppm materials in the vault using the south dump ramp.	SES
5.2	SES and ENTACT discussed and will determine a new haul route for on-road trucks hauling <50 ppm material to the east plant in the near future, for when SES begins using the vault north dump ramp.	SES/ENTACT
6.0	EAST PLANT EXCAVATION	
6.1	CRA continues to check elevation requirements have been met prior to SES continuing excavation to the next elevation depth.	CRA\SES
6.2	SES continues to heavily mulch all excavation areas covering all exposed surfaces at the end of each working day.	SES
6.3	SES anticipates excavations within the AOI4 footprint to start on 08-02-06, however the start date may be changed based on drilling activities associated with the GM Plant storm sewer improvement project.	SES
7.0	WORK HOURS	
7.1	ENTACT is working 8-hour days Monday through Friday 7:00 a.m. to 3:30 p.m.	ENTACT
7.2	ENTACT's East Plant water management (night) crew will remain on call as needed for inclement weather.	ENTACT
7.3	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
7.4	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.0	SUB-CONTRACTORS ON-SITE	
8.1	Bledsoe, Riggart & Guerrettaz - surveying	SES

Attachments: _____

Prepared By: Kristen Harper Date Issued: August 30, 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: August 8, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Severson
Kristen Harper; CRA	Joe Currilla; ENTACT	Tony Certo; Severson
Dan Nelson; CRA		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	Both Severson and ENTACT were reminded all personnel in the East Plant area are required to wear the proper PPE while on site.	SES/ENTACT
1.2	SES workers may opt for Level C PPE in the East Plant excavation areas, if the worker feels more comfortable. Modified Level D continues to be the site PPE level.	SES
1.3	A decon/tire wash station has been placed at the Zipp lot entrance/exit. All vehicles exiting via this route are required to have their tires washed before accessing GM Drive.	SES
1.4	ENTACT was advised personal vehicles are not to be parked within the work area near the scale house trailer. Workers will use the designated parking area within the East Parking Lot.	ENTACT
2.0	REQUEST FOR INFORMATION	
2.1	SES requested design clarifications on the vault drainage ditch construction (drawings C-04 and C-06).	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 maintain tarp/mulch on the clean topsoil and clay stockpiles.	SES



<i>Item</i>	<i>Description</i>	<i>Action By</i>
3.3	SES continues to smooth roll excavation areas at end of day to reduce the amount of mulch used in daily cover application.	SES
3.4	SES will dispose of the stump pile located northeast of GA-2 to the Sycamore Ridge Facility, pending landfill approval.	SES/CRA
4.0	GRADING AREAS # 1, 2, 3 AND 4	
4.1	ENTACT was advised to notify CRA prior to the discharge of water from GA-1 and GA-2 due to excavation activities in the area.	ENTACT
5.0	VAULT AREA AOI7	
5.1	SES continues placement of >50-ppm materials in the vault using the south dump ramp.	SES
6.0	EAST PLANT EXCAVATION	
6.1	CRA continues to check elevation requirements have been met prior to SES continuing excavation to the next elevation depth.	CRA\SES
6.2	SES continues to heavily mulch all excavation areas covering all exposed surfaces at the end of each working day.	SES
6.3	SES completed all excavations within the AOI-5 and AOI-6 footprints on 08-05-06.	
6.4	SES began excavations within the AOI-4 footprint on 08-05-06.	SES
7.0	WORK HOURS	
7.1	ENTACT is working 8-hour days Monday through Friday 7:00 a.m. to 3:30 p.m.	ENTACT
7.2	ENTACT's East Plant water management (night) crew will remain on call as needed for inclement weather.	ENTACT
7.3	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
7.4	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.0	SUB-CONTRACTORS ON-SITE	
8.1	Bledsoe, Riggart & Guerrettaz – surveying	SES

Attachments: _____

Prepared By:  Terri Channing Date Issued: August 30, 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: August 15, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Tony Certo; Severson
Dan Nelson; CRA	Joe Currilla; ENTACT	Chris Bement; Severson
	Dan DalPorto; Severson	Dan Sekanovich; 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	SES will continue to notify CRA of all drums exposed within the excavation areas.	SES/CRA
1.2	Trash in work areas from site workers continues to be an issue. SES/ENTACT will remind all site employees to pick up after themselves.	SES/ENTACT
1.3	SES was requested to place a decon station at their lay down area (Parcel 216) for those exiting AOI-4 via the logging road.	SES
2.0	REQUEST FOR INFORMATION	
2.1	None.	--
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 maintain tarp/mulch on the clean topsoil and clay stockpiles.	SES
3.3	SES continues to smooth roll excavations and heavily mulch covering all exposed surfaces at end of each working day.	SES
3.4	The access gate from Bailey Scales Road into the East Plant must be closed and locked at the end of each workday.	--
3.5	SES repaired the haul road around the scale house to accommodate the anticipated truck volume from AOI-4 to the vault.	SES
3.6	ENTACT's tire wash located at the scale house was removed for haul road access.	SES



<i>Item</i>	<i>Description</i>	<i>Action By</i>
3.7	SES continues to manage the tire wash station located at the Zipp lot entrance/exit to GM Drive.	SES
3.8	SES will initiate additional measures for dust control.	SES
3.9	SES advised site surveyors Smith & Newdecker would replace Bledsoe, Riggert, and Guerrettaz.	SES
4.0	GRADING AREAS # 1, 2, 3 AND 4	
4.1	No additional work was performed in this area during this reporting period. ENTACT continues to perform necessary maintenance to the grading areas.	ENTACT
4.2	ENTACT was advised to notify CRA prior to the discharge of water from GA-1, and GA-2 due to excavation activities in the area.	ENTACT
5.0	VAULT AREA AOI7	
5.1	SES continues placement of >50-ppm materials in the vault using the north dump ramp.	SES
6.0	EAST PLANT EXCAVATION	
6.1	CRA continues to check elevation requirements have been met prior to SES continuing excavation to the next elevation depth.	CRA\SES
6.2	SES exposed a liquid/paste like material (silver in color) within the AOI-4 excavation on 08-10-06, CRA obtained samples of the material for analytical testing and contained the material on 08-12-06.	SES/CRA
6.3	SES exposed two 25-gal drums containing a crystal like material (white in color) within the AOI-4 excavation on 08-12-06. CRA obtained samples of the material for analytical testing and contained the material on 08-14-06.	SES/CRA
6.4	Excavation activities within the AOI-4 excavation area were temporarily halted on 08-14-06 when 3 additional drums were uncovered. Excavation continued once the drums were safely removed and over-packed.	SES
6.5	SES will fill all excavations in AOI-4 along the creek bed (but not within the creek bed) to no less than 1' below grade with <50-ppm material from creek excavations and cover with clean clay.	SES
7.0	WORK HOURS	
7.1	ENTACT is working 8-hour days Monday through Friday 7:00 a.m. to 3:00 p.m.	ENTACT
7.2	ENTACT's East Plant water management (night) crew will remain on call as needed for inclement weather.	ENTACT
7.3	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
7.4	SES water management night crew hours are 6:30 p.m. to 6:30 a.m. Hours will be extended during inclement weather.	SES
8.0	SUB-CONTRACTORS ON-SITE	
8.1	Bledsoe, Riggart & Guerrettaz -- surveying	SES

Attachments: _____



Prepared By: *THC* Terri Channing Date Issued: August 30, 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: August 22, 2006 TIME: 01:00 p.m.

Participants:

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

Distribution:

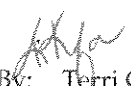
Cheryl Hiatt; GM	Ed Peterson; GM	
Glenn Turchan; CRA	Jim McGuigan; CRA	Jeff Daniel; CRA
Katie Kamm; CRA	Terri Channing; CRA	Mary Kelly; CRA
Brad Stimple; USEPA	Jerry O'Callaghan; IDEM	Peter Ramanauskas; USEPA
Stacey DeLaReintrie; TetraTech	Pricilla Fonseca; USEPA	Jean Greensley; USEPA

<i>Item</i>	<i>Description</i>	<i>Action By</i>
1.0	SAFETY	
1.1	Contractors will remind all workers to wear PPE when entering/exiting the work area.	SES/ENTACT
2.0	REQUEST FOR INFORMATION	
2.1	SES requested a response from CRA regarding vault pump upgrades.	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 maintain tarp/mulch on the clean topsoil and clay stockpiles.	SES
3.3	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES
3.4	SES continues to manage the tire wash station located at the Zipp lot exit to GM Drive.	SES
3.5	SES will improve dust control.	SES
3.6	SES's new site surveyors, Smith & Neubecker, arrived on site 08-17-06.	SES
3.7	Sebastian Bahr will be the new field manager for ENTACT's East Plant work.	ENTACT
3.8	ENTACT was reminded no personal vehicles are to be parked in the GM North parking lot, alternate parking is available in the East lot.	ENTACT



<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 this area during this reporting period. ENTACT continues to perform necessary maintenance to the grading areas.	ENTACT
5.0	GRADING FILL PLACEMENT AREA AOI-5	
5.1	ENTACT received GM's authorization to proceed on the construction of the clean haul road and wheel wash for the East Plant fill area on 08-22-06.	ENTACT
6.0	VAULT AREA AOI7	
6.1	SES continues placement of >50-ppm materials in the vault using the north dump ramp.	SES
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 safely removed the 3 exposed drums on 08-17-06. The drums were placed in over pack containers and the contents were tested. Results are pending.	SES/CRA
8.0	WORK HOURS	
8.1	ENTACT will begin working 10-hour days Monday through Friday 7:00 a.m. to 5:30 p.m. on 08-23-06.	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	Bledsoe, Riggart & Guerrettaz – surveying	SES
9.2	Smith & Neubecker – surveying	SES

Attachments: _____

Prepared By:  Terri Channing

Date Issued: August 31, 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: August 29, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Earney Funderburg; ENTACT	Dan DalPorto; Severson
Dan Nelson; Severson	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

Item	Description	Action By
1.0	SAFETY	
1.1	Contractors will remind all workers that any vehicles entering the East Plant work area are required to use the tire wash when exiting.	SES/ENTACT
2.0	REQUEST FOR INFORMATION	
2.1	SES requested a response from CRA regarding vault pump upgrades.	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 maintain tarp/mulch on the clean topsoil and clay stockpiles.	SES
3.3	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES
3.4	SES continues to manage the tire wash station located at the Zipp lot exit to GM Drive.	SES
3.5	SES performed necessary repairs to silt fencing following heavy rains on 08-26-06 & 08-27-06.	SES
3.6	SES graded/repaired the access road to the WTP on 08-28-06.	SES
3.7	SES was reminded all water contained within the excavation areas following rain events is to be treated prior to release.	SES
3.8	SES replaced the haul road access to the lower east area of the East Plant on 08-26-06.	SES



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	GRADING FILL PLACEMENT AREA AOI-5	
5.1	ENTACT completed the East Parking lot wheel wash and the clean access haul road on 08-24-06.	ENTACT
6.0	VAULT AREA AOI7	
6.1	SES continues placement of >50-ppm materials in the vault using the north dump ramp.	SES
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	Due to heavy rains no work was performed on 08-28-06.	SES
8.0	WORK HOURS	
8.1	ENTACT is working Monday through Friday 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	ENTACT advised all work activities would be shut down on Monday 09-04-06 for the Labor Day Holiday weekend.	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 all work activities would be shut down on 09-01-06 at noon through Tuesday 09-05-06 for the Labor Day Holiday weekend.	SES
9.0	SUB-CONTRACTORS ON-SITE	
9.1	Bledsoe, Riggart & Guerrettaz - surveying	SES
9.2	Smith & Neubecker - surveying	SES

Attachments: _____

Prepared By:  Terri Channing Date Issued: September 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: September 05, 2006 TIME: 01:00 p.m.

Participants:

Terri Channing; CRA	Joe Currilla; ENTACT	Dan DalPorto; Severson
Dan Nelson; CRA	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	Contractors were reminded equipment must be inspected after it's been deconned and prior to leaving the site.	--
1.2	Contractors will remind site employees that baseball caps are not to be worn under hard hats.	SES/ENTACT
2.0	REQUEST FOR INFORMATION	
2.1	SES requested a response from CRA regarding vault pump upgrades.	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 maintain tarp/mulch on the clean topsoil and clay stockpiles.	SES
3.3	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES
3.4	SES continues to manage the tire wash station located at the Zipp lot exit to GM Drive.	SES
3.5	SES performed a site clean up on 08-31-06 & 09-01-06.	SES
3.6	SES cleared the drainage trench along the west side of the storm pond and added additional sediment controls on 08-31-06.	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	GRADING FILL PLACEMENT AREA AOI-5	
5.1	ENTACT began the berm and drainage trench construction within the Grading Fill Area on 09-05-06.	ENTACT
5.2	ENTACT will resume hauling of <50-ppm materials from the downstream parcels on 09-08-06.	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 completed the vault re-grading of perimeter drainage areas on 08-31-06.	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
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	Bledsoe, Riggart & Guerrettaz – surveying	SES
9.2	Smith & Neubecker – surveying	SES

Attachments: _____

Prepared By:  Terri Channing Date Issued: September 20, 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: September 12, 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	Dan Sekanovich; 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	Contractors were reminded that all site and personal vehicles on GM property must have company identification placards on drivers and passenger side.	SES/ENTACT
2.0	REQUEST FOR INFORMATION	
2.1	SES requested a response from CRA regarding vault pump upgrades.	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 maintain tarps on the clean topsoil and clay stockpiles.	SES
3.3	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES
3.4	SES continues to manage the tire wash station located at the old Zipp lots exit to GM Drive.	SES
3.5	ENTACT will re-locate their garbage dumpster within the East Parking lot to increase available parking spaces.	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



<i>Item</i>	<i>Description</i>	<i>Action By</i>
5.0	GRADING FILL PLACEMENT AREA AOI-5	
5.1	ENTACT began hauling <50-ppm material from the downstream parcels on 09-08-06.	ENTACT
5.2	No material hauling occurred on 09-12-06, and will not occur on 09-13-06 due to recent rains. ENTACT anticipates hauling to resume on 09-14-06.	ENTACT
5.3	ENTACT anticipates completing the repairs to the berm and increasing the sump holding capacity by 09-13-06.	ENTACT
5.4	A break trailer for the Grading Fill Area (ENTACT) will be on site by 09-15-06.	ENTACT
5.5	ENTACT will begin construction of the SE fill area berms, drainage ditches and sump construction on 09-15-06.	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 is turning and thinly spreading >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 exposed a 24" cement pipe on 09-07-06. CRA spoke with GM plant personnel to determine the nature of the pipe. Dave Whipple (GM) told CRA that the pipe was not in use and could be abandoned.	--
7.3	No >50-ppm excavation occurred on 09-12-06, and will not occur on 09-13-06 due to recent rains. SES anticipates excavations to resume on 09-14-06.	SES
7.4	SES advised the material excavated from the 660' lens and below is extremely wet. SES is continuing to work the material during excavation and again during vault placement to dry the material. SES requested permission for bed-ash to be added to assist in drying the material.	SES/CRA
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	Bledsoe, Riggart & Guerrettaz -- surveying	SES
9.2	Smith & Neubecker -- surveying	SES

Attachments: _____



AKC

Prepared By: Terri Channing Date Issued: September 20, 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: September 19, 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	

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	CRA reminded contractors that parking is not permitted along GM drive outside of the GA-4 entrance/exit.	--
1.2	Contractors will remind all personnel and truck drivers to continue to obey traffic laws (i.e. speeding, turn signals, right of ways etc.) and to be courteous to local residential traffic.	SES/ENTACT
1.3	Contractors were requested to maintain clean decon facilities (i.e. PPE disposal, boot wash stations etc.).	SES/ENTACT
1.4	SES was requested to limit the vehicles parked in the East Plant entrance at GA-4.	SES
2.0	REQUEST FOR INFORMATION	
2.1	CRA provided a response regarding vault pump upgrades on 09-18-06.	CRA
2.2	SES requested permission for bed-ash to be added 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 maintain tarps on the clean topsoil and clay stockpiles.	SES
3.3	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES



Item	Description	Action By
3.4	SES continues to manage the tire wash station located at the old Zipp lot exit to GM Drive.	SES
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	No material hauling occurred on 09-18-06 due to rain.	ENTACT
5.2	ENTACT completed the repairs to the berm on 09-14-06.	ENTACT
5.3	ENTACT's break trailer arrived on 09-14-06.	ENTACT
5.4	ENTACT began construction of the Fill Area 1B (FA-1B) berms, drainage ditches and sump on 09-18-06.	ENTACT
5.5	ENTACT will complete all silt fence placement and EZ delineation by 09-22-06.	ENTACT
5.6	ENTACT will tarp over the haul road west (no longer in use) of the WTP.	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 so compaction requirements can be met.	SES
6.3	CRA is continuing to monitor all sump-pumping activities.	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	No excavation occurred on 09-18-06 due to rain.	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: Terri Channing Date Issued: September 29, 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: September 26, 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	Contractors were reminded of proper signage required on all vehicles located on GM property.	SES/ENTACT
1.2	SES re-constructed the EZ entrance at GA-4 (Zipp Lot); providing ample decon facilities, and entry/exit routes.	SES
1.3	Contractors will remind all night crew employees of safety protocols during lightning events.	SES/ENTACT
2.0	REQUEST FOR INFORMATION	
2.1	SES requested permission for bed-ash to be added 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 maintain tarps on the clean topsoil and clay stockpiles.	SES
3.3	SES continues to smooth roll and heavily mulch excavations, covering all exposed surfaces at end of day.	SES
3.4	SES continues to manage the tire wash station located at the old Zipp lots exit to GM Drive.	SES
3.5	SES will repair construction fence to delineate EZ zones, improve sediment controls located along GM Storm Pond, and perform a general clean up of site debris.	SES



<i>Item</i>	<i>Description</i>	<i>Action By</i>
3.6	ENTACT will place additional liner along the edge of WTP parking area, repair construction fence to delineate EZ zones and place liner at base of collection sump in FA-1A.	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
5.0	FILL AREAS (FA-1A & FA-1B) East Parking Lot	
5.1	No material hauling occurred on 09-18-06, 09-22-06, & 09-23-06 due to rain.	ENTACT
5.2	ENTACT completed construction of the Fill Area 1B (FA-1B) berms, drainage ditches and sump on 09-22-06.	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 so compaction requirements can be met.	SES
6.4	SES assigned Scott Jones as the primary responsible person and Norvin Jones as his alternate in charge of vault sump pumping. CRA continues to monitor all pumping activities.	SES
6.5	SES has placed tarps over all sumps to prevent rainwater from entering.	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 advised all excavation activities were halted on 09-19-06, 09-22-06, and 09-23-06 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: Terri Channing ^{*TKC*} Date Issued: September 29, 2006

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