

# **RCRA FACILITY INVESTIGATION**

## **QUARTERLY PROGRESS REPORT #21 SECOND QUARTER 2006**

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

**EPA ID# IND006036099**

**Prepared For:  
General Motors Corporation**

**JULY 2006  
REF. NO. 013968 (207)**  
This report is printed on recycled paper.

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**QUARTERLY PROGRESS REPORT**

**DISTRIBUTION LIST**

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## 1.0 INTRODUCTION

This Quarterly Progress Report is submitted in accordance with the Bedford Performance-Based Corrective Action Agreement (Agreement) between the United States Environmental Protection Agency (U.S. EPA) and General Motors Corporation (GM), executed on March 20, 2001, and modified on October 1, 2002. This report covers the period of the second 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 Third Quarter 2006, will be submitted on or before October 15, 2006.

## 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 April 11 and 25, 2006, May 9 and 23, 2006, and June 6, 13, and 27, 2006, to discuss project progress (United States Fish and Wildlife Service (USFWS) was also invited to attend the update calls);
- A conference call was held with the U.S. EPA on April 6, 2006, to discuss the vault submittal;
- A meeting with the U.S. EPA and IDEM was held at the U.S. EPA Chicago, Illinois office on April 24, 2006, to discuss the status of the project and items critical to the project schedule;
- Information sessions for the public were held on April 27, June 7, and 8, 2006, at the Facility. The Community Liaison Panel (CLP) met April 28, 2006;
- East Plant Area Grading Area 4 was originally approved by the U.S. EPA in a letter dated March 1, 2006 based on information submitted by GM on January 4, 2006 (revised January 16, 2006) and February 6, 2006. This approval allowed the staging of <50 mg/kg PCB soils in Grading Area 4. On March 29, 2006 GM submitted revised Grading Area 4 drawings and requested that Grading Area 4 be allowed to temporarily store >50 mg/kg PCB soils in order to begin the excavation of >50 mg/kg soils from the East Plant Area.
  - U.S. EPA gave approval to begin construction of the modifications Grading Area 4 to accept the over 50 mg/kg soils on April 3, 2006;
  - Final revised Grading Area 4 Design drawings were submitted to the U.S. EPA on April 4, 2006;
  - Placement of over 50 mg/kg PCB soil into Grading Area 4 commenced April 29, 2006;
  - The over 50 mg/kg material was removed from temporary storage in Grading Area 4 and placed in the Toxic Substance Control Act (TSCA) Vault on May 30, 2006, to June 1, 2006;
  - Upon removal of the over 50 mg/kg material from Grading Area 4 the filter fabric was removed and Grading Area 4 was restored for use as storage for

<50 mg/kg material. Results from sampling below filter fabric in Grading Area 4 were submitted on June 2, 2006;

- U.S. EPA gave approval to the modifications to the Removal Action (RA) Air Monitoring Plan outlined in the March 9, 2006, proposal on May 18, 2006:
  - A response to U.S. EPA May 3, 2006, comments on air monitoring requirements for the Over 50 mg/kg PCB Soil Removal was submitted May 5, 2006;
  - A response to U.S. EPA May 10, 2006, comments was submitted May 12, 2006;
  - Approval for air monitoring modifications of the East Plant Over 50 mg/kg PCB Soil Removal was given May 18, 2006; and
  - Preliminary air data from the East Plant Area starting on May 19, 2006, for the placement of material from the Area of Interest (AOI) 4 stockpile into the vault, was submitted on June 9, 2006 and weekly thereafter;
- A response to U.S. EPA March 3, 2006 comments on the Over 50 mg/kg PCB Soil Removal was submitted April 5, 2006. The final design report was submitted May 26, 2006;
- The evaluation of flexible membrane material for the leak detection system liner was submitted April 19, 2006;
  - A meeting was held at the Site with U.S.EPA and IDEM on May 4, 2006 to discuss approval of the TSCA Vault. At that time U.S. EPA gave verbal approval to begin filling the vault;
  - South slope reconstruction drawings were submitted May 26, 2006;
  - Placement of over 50 mg/kg PCB soil into the vault began May 19, 2006;
  - IDEM gave approval for on-Site reuse of < 50 mg/kg material May 28, 2006;
  - A Draft TSCA Approval letter was received from the U.S. EPA on May 26, 2006;
  - A request for risk-based disposal approval was submitted to the U.S. EPA May 29, 2006; and
  - Final East Plant Area Vault Design report was submitted to the U.S. EPA June 16, 2006;
- The Willowstick Delineation of Groundwater Flow Pathways near Spring 018C and the Ground Penetrating Radar (GPR) Results for Spring 018 Area was submitted April 13, 2006. Additional, unmarked Spring 018 GPR figures were submitted April 25, 2006;

- A response to May 2, 2006, comments on the GPR memo was submitted June 2, 2006,
- A response to May 10, 2006, comments on the Eosine, Private Wells, and Spring 018 Geophysics was submitted June 2, 2006, and
- A response to May 18, 2006, comments on the 2D-3D Seismic Imagery was submitted June 2, 2006;
- A response to U.S. EPA March 23, 2006, comments on cover system modeling was submitted April 17, 2006:
  - Revised stormwater modeling for the Final Cover System at the East Plant Area was submitted on June 15, 2006; and
- RCRA Facility Investigation (RFI) Work Plan: Addendum No. 13 was submitted to the U.S. EPA on April 20, 2006:
  - Corrected figures for the RFI Work Plan: Addendum No. 13 were submitted to the U.S. EPA on April 24, 2006;
  - A proposal to install seven additional coreholes to be completed under RFI Work Plan No. 13 was submitted on May 19, 2006, and was approved May 19, 2006;
  - The sampling of existing groundwater monitoring wells listed under RFI Work Plan: Addendum No. 13 commenced on May 2, 2006, and was completed on June 21, 2006. This sampling resulted in the collection of approximately 60 groundwater samples and 30 quality assurance (QA) samples; and
  - Drilling for the off-site wells proposed under RFI Work Plan: Addendum No. 13 began on May 3, 2006, and is still underway. Six of the ten proposed wells have been installed; and
- Air monitoring results completed for work in the East Plant Area are presented on Tables 1.1 (PCB) and 1.2 (TSP). Figure 1 presents the sampling locations in the East Plant Area. PCB air monitoring exceedences were reported to the U.S. EPA as the data became available. The first round of preliminary data was submitted to the U.S. EPA June 9, 2006. Additional data will be submitted early in the following quarter with laboratory changes being made to allow for weekly updates to the U.S. EPA in the future;
- On May 3, 2006, a PCB concentration was detected above the action level at Air Monitoring Station 1B (figure 1). The exceedence was attributed to a stockpile of >50 mg/kg PCB material from the East Parking lot placed in close proximity to the air monitoring station. Subsequent to the exceedence, stockpile and excavation

practices were reviewed with the contractor. The following modifications to the stockpile and excavation practices were completed:

- Remove the stockpile from the area as soon as possible;
- Remove the stockpile on days when station 1b is in an upwind location; and
- Mulch exposed >50 mg/kg PCB areas from the excavation areas, stockpile areas, and vault at the end of each day.
- Station 1b is currently located immediately adjacent to the area where soil was being stockpiled. Station 1b will be moved out to a perimeter location at the fence line to obtain a more realistic air measurement;

Additional sampling was completed on the days following to monitor the effectiveness of the modified procedures. No further exceedences were detected at this location during the movement of that stockpile;

- During June 2006, PCB concentrations were detected above the action level at Air Monitoring Stations 1b, 22b, and 31 (Figure 1). The exceedence was attributed to excavation  $\geq 50$  mg/kg PCB material from the east parking lot and former Zipp lot and placement of the material into the vault. Subsequent to the exceedences, stockpile and excavation practices were reviewed with the contractor. The following modifications to the stockpile and excavation practices were completed:
  - Evaluate wind direction and adjust excavation activities if the downwind air monitoring station is in close proximity of the excavation;
  - Increase dust control on the east plant stockpiles/excavations;
  - Increase the amount of mulch used to cover the stockpiles/excavations/vault;
  - Mulch or tarp all excavations/backfill/stockpiles (<50 mg/kg PCB and  $\geq 50$  mg/kg PCB) at the end of each day;
  - Eliminate casting material to move material toward the dozer for compaction when working in the vault. Rather, material will be gently placed;
  - Tarp excavations/backfill/stockpiles rather than mulch these areas when additional work is not anticipated for an extended period of time;
  - Minimize the spray of the water truck as it wets GM Drive to minimize disturbance of soil on the shoulders and grassed areas just off the road;
  - Move Station 1B so that it is closer to the property line between GM and Parcel 401;
  - Move the vault dumping ramp from the northwest corner of the vault to the southeast corner of the vault;
  - Mulch the excavation and vault throughout the day to button up areas as soon as work is completed, rather than wait until the end of the day;
  - Utilize a higher powered mulching machine;



- Evaluate different types of mulch; and
- Evaluate other potential contributing activities.

Daily air sampling is conducted to monitor the effectiveness of the modified procedures.

GM also continued to evaluate specific sampling requests made by residents in this quarter and collected samples, where appropriate, based on knowledge and location of the property relative to the plant and/or contamination. These analytical results (once validated) have been included in the stream project data packages distributed to the residents, and to U.S. EPA and IDEM. GM will continue evaluating additional areas when requested by residents, and sampling, as appropriate, on a case-by-case basis, during the next reporting period.

The March 2006, April 2006, and May 2006 CERCLA Removal Action Monthly Progress Reports were submitted during the 21<sup>nd</sup> 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:

- Approval to start construction of Grading Area 4 was granted on April 3, 2006;
- Approval of the modification to the Removal Air Monitoring Plan was granted on April 4, 2006;
- Submission of the final design drawings for Grading Area 4 on April 4, 2006;
- Submission of the response to U.S. EPA comments on the Over 50 mg/kg PCB Soil Removal on April 5, 2006;
- Submission of the Willowstick delineation of groundwater flow pathways near Spring 018C on April 13, 2006;
- Submission of the GPR Results for Spring 018 Area on April 13, 2006;
- Submission of the response to U.S. EPA comments on the Cover System Modeling on April 17, 2006;
- Submission of the evaluation of flexible membrane material for the leak detection system liner on April 19, 2006;
- Submission of RFI Work Plan: Addendum No. 13 on April 20, 2006, and the submission of information regarding additional RFI Work Plan: Addendum No. 13 borings on May 19, 2006;
- Submission of the over 50 mg/kg PCB Soil Removal Final Design Report on May 1, 2006;
- Approval to begin placement of over 50 mg/kg PCB soil in the Vault was granted on May 4, 2006;
- Submission of the response to U.S. EPA comments on the Air Monitoring Requirements for the Over 50 mg/kg PCB Soil Removal on May 5 and 12, 2006;
- Approval for on-Site use of <50 mg/kg material was granted by IDEM on May 25, 2006;
- Submission of south slope reconstruction drawings on May 26, 2006;
- Submission of response to U.S. EPA comments on Spring 018 investigations was submitted June 2, 2006;

- Submission of the East Plant Area Preliminary Air Monitoring Data, June 9, 2006;  
and
- Submission of the East Plant Area Vault Design Report, June 16, 2006;

#### 4.0 COMMUNITY RELATIONS

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

A special session was held with owners of properties on and adjacent to the truck transportation routes on the evening of April 27, 2006 to update residents of the project status and to respond to questions regarding the use and maintenance of public roads.

The CLP meeting occurred in this quarter on April 28, 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](http://www.BedfordPowertrainCorrectiveAction.com).

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 June 7 and 8, 2006, at the Facility. The June 7, and 8, 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](http://www.BedfordPowertrainCorrectiveAction.com).

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

Dan Nelson has taken over day-to-day duties of CRA's Safety Oversight from Mark Baker for the project under the supervision of Jeff Maranciak. Also a number of field personnel have been rotated out of the field activities.

## 6.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD

Work projected for the next reporting period includes:

- Conduct a Community Liaison Panel Meeting in August/September 2006;
- Conduct a neighborhood information session in August/September 2006, on a date to be determined;
- Conduct a general public information session in August/September 2006, on a date to be determined;
- Prepare and distribute Fact Sheet 14 in August 2006;
- Continue with RA activities on Parcel 22 and downstream parcels;
- Continue monthly monitoring of groundwater elevation measurements;
- Continue the evaluation of RFI soil and groundwater data;
- Continue sampling and well installation for RFI Work Plan: Addendum No. 13;
- Complete Western Tributary IM Work Plan on Parcels 60 and 61;
- Commence Northern Tributary IM Work Plan;
- Submit an IM Work Plan for the Plant property areas west of GM Drive;
- Submit an IM Work Plan for Spring 018C;
- Continue 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;
- Submit RFI Work Plan: Addendum No. 14 for shallow bedrock dye trace tests on the West Plant Area;
- Submit the final logs and sampling results for RFI Work Plan Addendums 3, 4, 5, 6, 7, 8, 9, 11, and 12;
- Continue excavation of over 50 mg/kg PCB materials in the East Plant Area and placement in the East Plant Area Vault;
- Submit Final (100%) East Plant Area Cover System Design to the U.S. EPA review and implement as soon as practical upon approval of the Draft Design;
- Submit an Addendum and revision to the Quality Assurance Project Plan (QAPP) addressing requirements for the vault operations;
- Complete Pre-final (95%) East Plant Area Trench Design and submit for U.S. EPA review;

- Submit a design for the Source Removal System on AOI 8 and implement a pilot system; 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**

Figure 2 presents the verification sample results for work completed on Parcel 57 (analytical results are provided on Table 2).

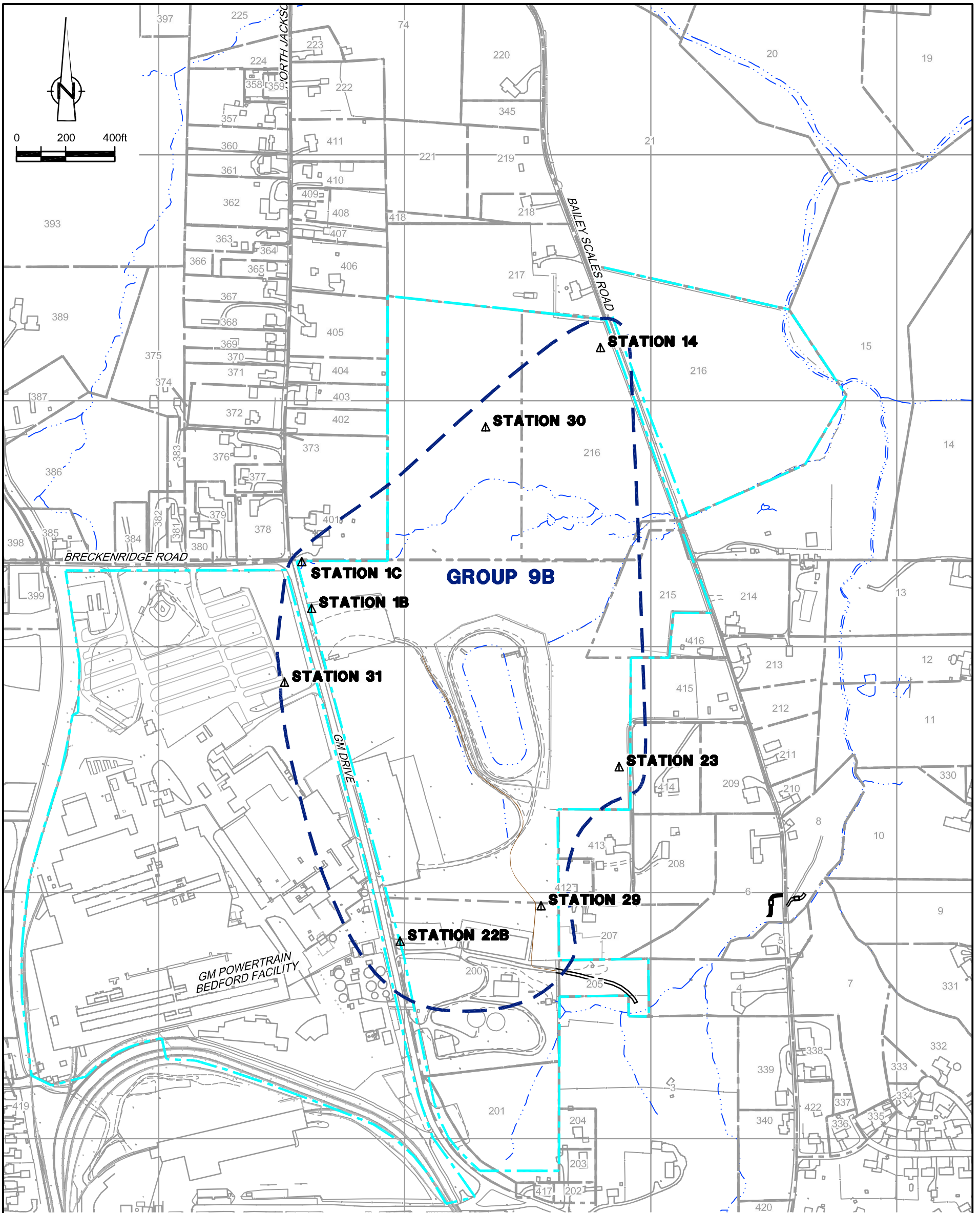
Packages of analytical data from Creek remediation verification sampling have been submitted monthly as they become available, after validation, in the monthly reports, and will continue to be submitted during the next reporting period. Any other sampling data collected during the quarter will be submitted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



**TABLE 2**  
**PARCEL 57 VERIFICATION VALIDATED SAMPLE ANALYTICAL RESULTS SUMMARY**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<i>Area of Interest:</i>	<i>P057</i>	<i>P057</i>	<i>P057</i>
<i>Sample Location:</i>	<i>057-12240</i>	<i>057-12241</i>	<i>057-12253</i>
<i>Sample ID:</i>	<i>S-057-041106-KH-12240</i>	<i>S-057-041106-KH-12241</i>	<i>S-057-041306-KH-12253</i>
<i>Sample Date:</i>	<i>4/11/2006</i>	<i>4/11/2006</i>	<i>4/13/2006</i>
<i>Sample Depth:</i>	<i>(0-0.33) ft</i>	<i>(0-0.33) ft</i>	<i>(0-0.33) ft</i>

<i>Parameters</i>	<i>Units</i>			
<i>PCBs</i>				
Aroclor-1016 (PCB-1016)	ug/kg	47 U	45 U	220 U
Aroclor-1221 (PCB-1221)	ug/kg	47 U	45 U	220 U
Aroclor-1232 (PCB-1232)	ug/kg	47 U	45 U	220 U
Aroclor-1242 (PCB-1242)	ug/kg	47 U	45 U	220 U
Aroclor-1248 (PCB-1248)	ug/kg	630	1600	1500
Aroclor-1254 (PCB-1254)	ug/kg	47 U	45 U	220 U
Aroclor-1260 (PCB-1260)	ug/kg	130	270	270
Total PCBs		760	1870	1770



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

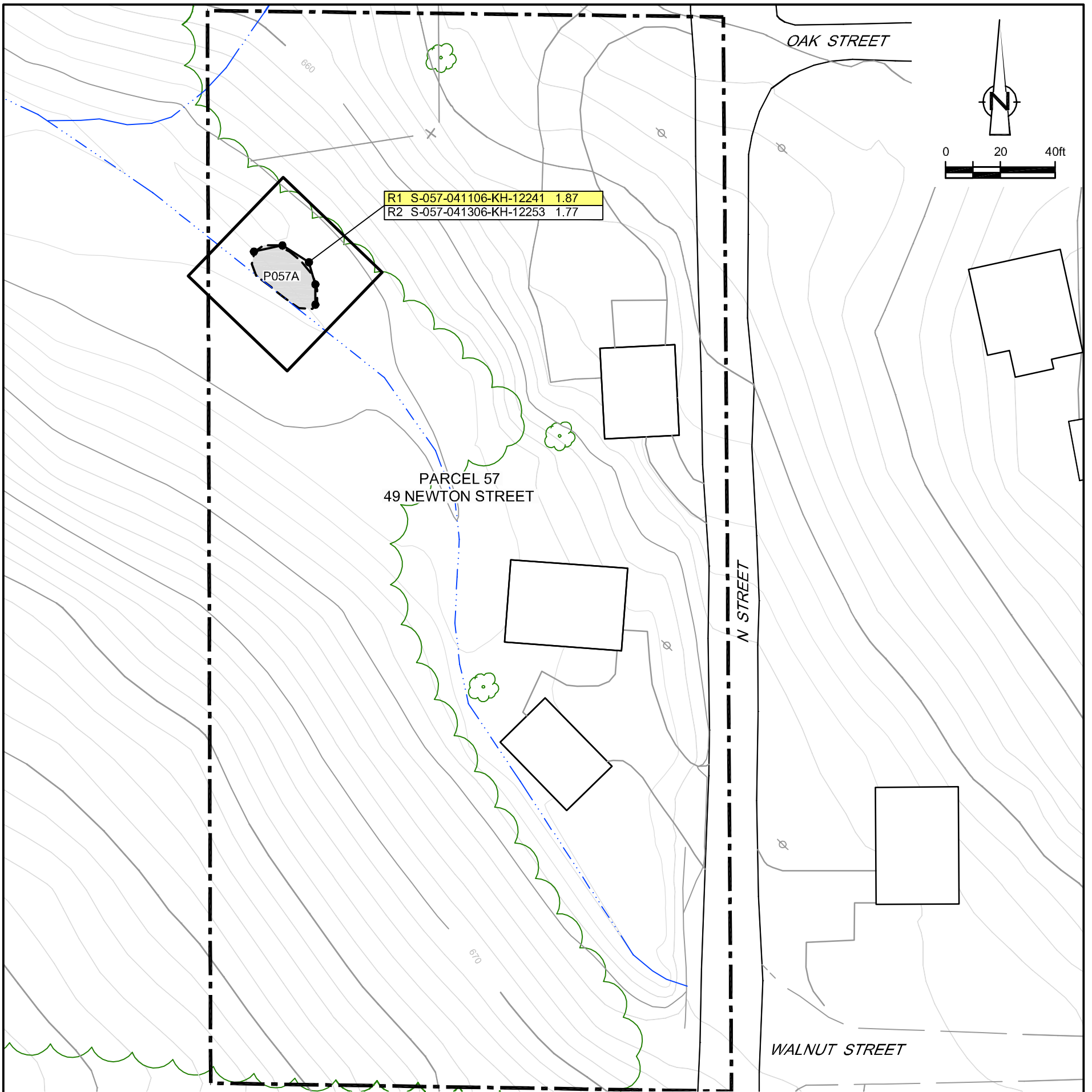
**LEGEND**

- |  |  |  |  |
|--|--|--|--|
|  | EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL) |  | APPROXIMATE SURFACE WATER LOCATION     |
|  | EXISTING VEGETATION                                    |  | APPROXIMATE PARCEL BOUNDARY            |
|  | EXISTING BUILDINGS                                     |  | APPROXIMATE GM PROPERTY BOUNDARY       |
|  | FENCE LINE   |  | <b>STATION 3</b> AIR SAMPLING LOCATION |
|  | RAILROAD TRACKS  |  | AIR SAMPLING GROUP                     |
|  | DIRT ROADS   |  |  |
|  | ROADS / PAVED AREAS                                    |  |  |

- NOTES: 1) PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES.  
 2) STATION 1C REPLACES STATION 1B, JUNE 2006.

figure 1  
 EAST PLANT AREA AIR SAMPLING LOCATIONS  
 QUARTERLY PROGRESS REPORT No. 21  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana





R1 S-057-041106-KH-12241 1.87  
 R2 S-057-041306-KH-12253 1.77

P057A

PARCEL 57  
 49 NEWTON STREET

OAK STREET

N STREET

WALNUT STREET

**LEGEND**

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

**VERIFICATION RESULTS**

SAMPLE ID  
 TOTAL PCB CONCENTRATION OF COMPOSITE SAMPLE IN GRID in mg/kg  
 DUPLICATE SAMPLE  
 SAMPLING ROUND NUMBER

R1 S-030-080605-CH-8881 5.97  
 S-030-080605-CH-8882 2.86 J

- GRAB SAMPLE LOCATION
- 5-POINT COMPOSITE SIDEWALL SAMPLE
- SAMPLE RESULT EXCEEDS CLEANUP CRITERIA

**EXCAVATION FLOOR SAMPLE RESULTS**

Verification Area	Grid	Sampling Round			
		Sample ID	Result (mg/kg)	Sample ID	Result (mg/kg)
P057	A	S-057-041106-KH-12240	0.76	S-057-041106-KH-12240	0.76
UCL Calculations		Not Required Based on Sample Results			

**GENERAL NOTES:**

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

**DRAFT**  
 PRIVILEGED AND CONFIDENTIAL  
 PREPARED AT THE REQUEST OF COUNSEL

figure 2  
 PARCEL 57 - WESTERN TRIBUTARY IM  
 VALIDATED COMPOSITE SAMPLE RESULTS  
 POST - EXCAVATION SUMMARY  
 QUARTERLY PROGRESS REPORT No. 21  
 GM POWERTRAIN BEDFORD FACILITY  
 Bedford, Indiana

**TABLE 1.1 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA PCB AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B</b> <b>PUF-16</b>	<b>STATION 1C</b> <b>PUF-16</b>	<b>STATION 14</b> <b>PUF-12(PUF-4)</b>	<b>STATION 22B</b> <b>PUF-3</b>	<b>STATION 22B</b> <b>PUF-18</b>	<b>STATION 23</b> <b>PUF-2</b>	<b>STATION 29</b> <b>PUF-5</b>	<b>STATION 30</b> <b>PUF-17</b>	<b>STATION 31</b> <b>PUF-6</b>
<b>5/19/2006</b>									
Total Volume(m3)	410	NR	267(454)	148	NR	422	474	39	327
Total PCB Mass(ug)	25	NR	4.5(4.5)	22	NR	24	25	*	11
PCB Concentration(ug/m3)	0.061	NR	0.0169(0.0099)	0.1486	NR	0.0569	0.0527	*	0.0336
Percent of Allowable(%)	6	NR	2(1)	15	NR	6	5	*	3
<b>5/22/2006</b>									
Total Volume(m3)	410	NR	207(386)	135	NR	346	425	365	308
Total PCB Mass(ug)	25	NR	3.9(3.9)	34	NR	15	13	4.6	47
PCB Concentration(ug/m3)	0.061	NR	0.0188(0.0101)	0.2519	NR	0.0434 J	0.0306	0.0126	0.1526
Percent of Allowable(%)	6	NR	2(1)	25	NR	4	3	1	15
<b>5/23/2006</b>									
Total Volume(m3)	343	NR	188(433)	124	NR	396	377	417	375
Total PCB Mass(ug)	71	NR	5.8(6.3)	10	NR	12	11	7.9	240
PCB Concentration(ug/m3)	0.207	NR	0.0309(0.0145)	0.0806	NR	0.0303	0.0292	0.0189	0.64
Percent of Allowable(%)	21	NR	3(1)	8	NR	3	3	2	64
<b>5/24/2006</b>									
Total Volume(m3)	421	NR	204(340)	137	NR	324	455	367	431
Total PCB Mass(ug)	370	NR	9.7(9.2)	12	NR	6.1	20	25	38
PCB Concentration(ug/m3)	0.8789	NR	0.0475(0.0271)	0.0876	NR	0.0188	0.044	0.0681	0.0882
Percent of Allowable(%)	88	NR	5(3)	9	NR	2	4	7	9
<b>5/25/2006</b>									
Total Volume(m3)	401	NR	217(393)	108	NR	288	364	394	96
Total PCB Mass(ug)	170	NR	24(23)	5.9	NR	9.9	27	43	*
PCB Concentration(ug/m3)	0.4239	NR	0.1106(0.0585)	0.0546	NR	0.0344	0.0742	0.1091	*
Percent of Allowable(%)	42	NR	11(6)	5	NR	3	7	11	*

**TABLE 1.1 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA PCB AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B PUF-16</b>	<b>STATION 1C PUF-16</b>	<b>STATION 14 PUF-12(PUF-4)</b>	<b>STATION 22B PUF-3</b>	<b>STATION 22B PUF-18</b>	<b>STATION 23 PUF-2</b>	<b>STATION 29 PUF-5</b>	<b>STATION 30 PUF-17</b>	<b>STATION 31 PUF-6</b>
<b>5/30/2006</b>									
Total Volume(m3)	440	NR	231(419)	141	NR	389	412	442	399
Total PCB Mass(ug)	380	NR	15(14)	5.1	NR	13	23	25	190
PCB Concentration(ug/m3)	0.8636	NR	0.0649(0.0334)	0.0362	NR	0.0334	0.0558	0.0566	0.4762
Percent of Allowable(%)	86	NR	6(3)	4	NR	3	6	6	48
<b>5/31/2006</b>									
Total Volume(m3)	418	NR	236(427)	121	NR	378	393	429	377
Total PCB Mass(ug)	130	NR	8.1(7.5)	29	NR	19	28	8.6	90
PCB Concentration(ug/m3)	0.311	NR	0.0343(0.0176)	0.2397	NR	0.0503	0.0712	0.02	0.2387
Percent of Allowable(%)	31	NR	3(2)	24	NR	5	7	2	24
<b>6/1/2006</b>									
Total Volume(m3)	431	NR	222(402)	129	NR	381	394	407	383
Total PCB Mass(ug)	110	NR	8.8(9.7)	41	NR	28	47	14	53
PCB Concentration(ug/m3)	0.2552	NR	0.0396(0.0241)	0.3178	NR	0.0735	0.1193	0.0344	0.1384
Percent of Allowable(%)	26	NR	4(2)	32	NR	7	12	3	14
<b>6/2/2006</b>									
Total Volume(m3)	444	NR	423(396)	131	NR	381	412	413	385
Total PCB Mass(ug)	47	NR	11(11)	120	NR	26	39	12	500
PCB Concentration(ug/m3)	0.1059	NR	0.026(0.0278)	0.916	NR	0.0682	0.0947	0.0291	1.2987
Percent of Allowable(%)	11	NR	3(3)	92	NR	7	9	3	130 <sup>(1)</sup>
<b>6/5/2006</b>									
Total Volume(m3)	435	NR	422(436)	146	NR	389	411	441	392
Total PCB Mass(ug)	38	NR	9.3(9.1)	39	NR	13	15	9.8	510
PCB Concentration(ug/m3)	0.0874	NR	0.022 J(0.0209)	0.2671	NR	0.0334	0.0365	0.0222	1.301
Percent of Allowable(%)	9	NR	2(2)	27	NR	3	4	2	130 <sup>(1)</sup>

**TABLE 1.1 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA PCB AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B PUF-16</b>	<b>STATION 1C PUF-16</b>	<b>STATION 14 PUF-12(PUF-4)</b>	<b>STATION 22B PUF-3</b>	<b>STATION 22B PUF-18</b>	<b>STATION 23 PUF-2</b>	<b>STATION 29 PUF-5</b>	<b>STATION 30 PUF-17</b>	<b>STATION 31 PUF-6</b>
<b>6/6/2006</b>									
Total Volume(m3)	434	NR	441(426)	132	NR	375	390	378	339
Total PCB Mass(ug)	750	NR	20(19)	8.2	NR	13	11	56	87
PCB Concentration(ug/m3)	1.7281	NR	0.0454 J(0.0446J)	0.0621	NR	0.0347	0.0282	0.1481	0.2566
Percent of Allowable(%)	173 <sup>(1)</sup>	NR	5(4)	6	NR	3	3	15	26
<b>6/7/2006</b>									
Total Volume(m3)	411	NR	339(0)	128	NR	340	369	411	137
Total PCB Mass(ug)	460	NR	12(*)	24	NR	46	72	33	*
PCB Concentration(ug/m3)	1.1192	NR	0.0354(*)	0.1875	NR	0.1353	0.1951	0.0803	*
Percent of Allowable(%)	112 <sup>(1)</sup>	NR	4(*)	19	NR	14	20	8	*
<b>6/8/2006</b>									
Total Volume(m3)	411	NR	385(379)	131	NR	305	423	162	382
Total PCB Mass(ug)	110	NR	14(18)	95	NR	21	35	*	490
PCB Concentration(ug/m3)	0.2676	NR	0.0364(0.0475)	0.7252	NR	0.0689	0.0827	*	1.2827
Percent of Allowable(%)	27	NR	4(5)	73	NR	7	8	*	128 <sup>(1)</sup>
<b>6/9/2006</b>									
Total Volume(m3)	403	NR	407(377)	125	NR	319	383	407	363
Total PCB Mass(ug)	53	NR	6(6.2)	99	NR	10	8.4	7.2	280
PCB Concentration(ug/m3)	0.1315	NR	0.0147(0.0164)	0.792	NR	0.0313	0.0219	0.0177	0.7713
Percent of Allowable(%)	13	NR	1(2)	79	NR	3	2	2	77
<b>6/10/2006</b>									
Total Volume(m3)	166	NR	403(378)	50	NR	142	157	98	148
Total PCB Mass(ug)	*	NR	2.6(0.67)	*	NR	*	*	*	*
PCB Concentration(ug/m3)	*	NR	0.0065 J(0.0018J)	*	NR	*	*	*	*
Percent of Allowable(%)	*	NR	1(0)	*	NR	*	*	*	*

**TABLE 1.1 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA PCB AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B PUF-16</b>	<b>STATION 1C PUF-16</b>	<b>STATION 14 PUF-12(PUF-4)</b>	<b>STATION 22B PUF-3</b>	<b>STATION 22B PUF-18</b>	<b>STATION 23 PUF-2</b>	<b>STATION 29 PUF-5</b>	<b>STATION 30 PUF-17</b>	<b>STATION 31 PUF-6</b>
<b>6/12/2006</b>									
Total Volume(m3)	508	NR	435(NR)	139	NR	435	480	1	417
Total PCB Mass(ug)	28	NR	3.3(NR)	170	NR	23	22	*	230
PCB Concentration(ug/m3)	0.0551	NR	0.0076(NR)	1.223	NR	0.0529	0.0458	*	0.5516
Percent of Allowable(%)	6	NR	1(NR)	122 <sup>(2)</sup>	NR	5	5	*	55
<b>6/14/2006</b>									
Total Volume(m3)	370	NR	392(417)	107	NR	321	350	394	348
Total PCB Mass(ug)	58	NR	8.5(8.9)	250	NR	47	210	13	430
PCB Concentration(ug/m3)	0.1568	NR	0.0217(0.0213)	2.3364	NR	0.1464	0.6	0.033	1.2356
Percent of Allowable(%)	16	NR	2(2)	234 <sup>(2)</sup>	NR	15	60	3	124 <sup>(1)</sup>
<b>6/15/2006</b>									
Total Volume(m3)	412	NR	387(417)	122	NR	137	351	400	379
Total PCB Mass(ug)	750	NR	7.2(6)	13	NR	*	12	12	630
PCB Concentration(ug/m3)	1.8204	NR	0.0186(0.0144)	0.1066	NR	*	0.0342	0.03	1.6623
Percent of Allowable(%)	182 <sup>(1)</sup>	NR	2(1)	11	NR	*	3	3	166 <sup>(1)</sup>
<b>6/16/2006</b>									
Total Volume(m3)	390	NR	368(424)	121	NR	3	315	398	365
Total PCB Mass(ug)	1300	NR	12(13)	15	NR	*	24	24	1200
PCB Concentration(ug/m3)	3.3333 J	NR	0.0326 J(0.0307J)	0.124 J	NR	*	0.0762 J	0.0603 J	3.2877 J
Percent of Allowable(%)	333 <sup>(1)</sup>	NR	3(3)	12	NR	*	8	6	329 <sup>(1)</sup>
<b>6/17/2006</b>									
Total Volume(m3)	474	NR	406(468)	131	NR	394	402	444	360
Total PCB Mass(ug)	830	NR	33(32)	6.5	NR	11	19	140	76
PCB Concentration(ug/m3)	1.7511 J	NR	0.0813 J(0.0684J)	0.0496 J	NR	0.0279 J	0.0473 J	0.3153 J	0.2111 J
Percent of Allowable(%)	175 <sup>(1)</sup>	NR	8(7)	5	NR	3	5	32	21

TABLE 1.1 - GROUP 9B

**SUMMARY OF EAST PLANT AREA PCB AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006  
GM POWERTRAIN BEDFORD FACILITY  
BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B PUF-16</b>	<b>STATION 1C PUF-16</b>	<b>STATION 14 PUF-12(PUF-4)</b>	<b>STATION 22B PUF-3</b>	<b>STATION 22B PUF-18</b>	<b>STATION 23 PUF-2</b>	<b>STATION 29 PUF-5</b>	<b>STATION 30 PUF-17</b>	<b>STATION 31 PUF-6</b>
<b>6/19/2006</b>									
Total Volume(m3)	417	NR	367(423)	126	NR	327	340	413	363
Total PCB Mass(ug)	300	NR	11(12)	21	NR	40	28	33	200
PCB Concentration(ug/m3)	0.7194	NR	0.03(0.0284)	0.1667	NR	0.1223	0.0824	0.0799	0.551
Percent of Allowable(%)	72	NR	3(3)	17	NR	12	8	8	55
<b>6/20/2006</b>									
Total Volume(m3)	NR	NR	374(417)	135	NR	363	349	411	360
Total PCB Mass(ug)	NR	NR	330(19)	34	NR	14	68	78	130
PCB Concentration(ug/m3)	NR	NR	0.8824 J(0.0456J)	0.2519	NR	0.0386	0.1948	0.1898	0.3611
Percent of Allowable(%)	NR	NR	88(5)	25	NR	4	19	19	36
<b>6/21/2006</b>									
Total Volume(m3)	NR	168	369(412)	NR	344	369	396	390	352
Total PCB Mass(ug)	NR	11	72(71)	NR	7.6	30	24	89	6
PCB Concentration(ug/m3)	NR	0.0655	0.1951(0.1723)	NR	0.0221	0.0813	0.0606	0.2282	0.017
Percent of Allowable(%)	NR	7	20(17)	NR	2	8	6	23	2
<b>6/22/2006</b>									
Total Volume(m3)	NR	214	371(428)	NR	358	366	363	420	373
Total PCB Mass(ug)	NR	56	9.7(9.5)	NR	170	50	49	17	67
PCB Concentration(ug/m3)	NR	0.2617	0.0261(0.0222)	NR	0.4749	0.1366	0.135	0.0405	0.1796
Percent of Allowable(%)	NR	26	3(2)	NR	47	14	14	4	18
<b>6/23/2006</b>									
Total Volume(m3)	NR	205	367(425)	NR	296	157	314	405	338
Total PCB Mass(ug)	NR	18	6(5.9)	NR	310	*	27	9.2	190
PCB Concentration(ug/m3)	NR	0.0878	0.0163(0.0139)	NR	1.0473	*	0.086	0.0227	0.5621
Percent of Allowable(%)	NR	9	2(1)	NR	105 <sup>(2)</sup>	*	9	2	56



TABLE 1.1 - GROUP 9B

**SUMMARY OF EAST PLANT AREA PCB AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006  
GM POWERTRAIN BEDFORD FACILITY  
BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B PUF-16</b>	<b>STATION 1C PUF-16</b>	<b>STATION 14 PUF-12(PUF-4)</b>	<b>STATION 22B PUF-3</b>	<b>STATION 22B PUF-18</b>	<b>STATION 23 PUF-2</b>	<b>STATION 29 PUF-5</b>	<b>STATION 30 PUF-17</b>	<b>STATION 31 PUF-6</b>
<b>6/24/2006</b>									
Total Volume(m3)	NR	213	NR(435)	NR	350	417	388	406	372
Total PCB Mass(ug)	NR	18	NR(6.7)	NR	320	8.2	32	11	370
PCB Concentration(ug/m3)	NR	0.0845	NR(0.0154)	NR	0.9143	0.0197	0.0825	0.0271	0.9946
Percent of Allowable(%)	NR	8	NR(2)	NR	91	2	8	3	99
<b>6/26/2006</b>									
Total Volume(m3)	NR	200	432(424)	NR	364	NR	367	412	363
Total PCB Mass(ug)	NR	65	8.3(7.9)	NR	100	NR	68	13	190
PCB Concentration(ug/m3)	NR	0.325	0.0192(0.0186)	NR	0.2747	NR	0.1853	0.0316	0.5234
Percent of Allowable(%)	NR	32	2(2)	NR	27	NR	19	3	52
<b>6/27/2006</b>									
Total Volume(m3)	NR	215	426(397)	NR	348	NR	389	398	375
Total PCB Mass(ug)	NR	18	7.1(7.4)	NR	17	NR	180	12	34
PCB Concentration(ug/m3)	NR	0.0837	0.0167(0.0186)	NR	0.0489	NR	0.4627	0.0302	0.0907
Percent of Allowable(%)	NR	8	2(2)	NR	5	NR	46	3	9
<b>6/28/2006</b>									
Total Volume(m3)	NR	229	435(404)	NR	361	316	390	411	360
Total PCB Mass(ug)	NR	56	8.3(8.8)	NR	200	100	65	17	130
PCB Concentration(ug/m3)	NR	0.2445	0.0191(0.0218)	NR	0.554	0.3165	0.1667	0.0414	0.3611
Percent of Allowable(%)	NR	24	2(2)	NR	55	32	17	4	36
<b>6/29/2006</b>									
Total Volume(m3)	NR	215	451(421)	NR	362	335	391	404	362
Total PCB Mass(ug)	NR	52	7.5(7.3)	NR	190	23	160	12	360
PCB Concentration(ug/m3)	NR	0.2419	0.0166(0.0173)	NR	0.5249	0.0687	0.4092	0.0297	0.9945
Percent of Allowable(%)	NR	24	2(2)	NR	52	7	41	3	99

**TABLE 1.1 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA PCB AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B</b> <i>PUF-16</i>	<b>STATION 1C</b> <i>PUF-16</i>	<b>STATION 14</b> <i>PUF-12(PUF-4)</i>	<b>STATION 22B</b> <i>PUF-3</i>	<b>STATION 22B</b> <i>PUF-18</i>	<b>STATION 23</b> <i>PUF-2</i>	<b>STATION 29</b> <i>PUF-5</i>	<b>STATION 30</b> <i>PUF-17</i>	<b>STATION 31</b> <i>PUF-6</i>
<b>6/30/2006</b>									
Total Volume(m3)	NR	512	437(407)	NR	424	374	457	421	435
Total PCB Mass(ug)	NR	240	11(11)	NR	20	17	23	37	220
PCB Concentration(ug/m3)	NR	0.4688	0.0252(0.027)	NR	0.0472	0.0455	0.0503	0.0879	0.5057
Percent of Allowable(%)	NR	47	3(3)	NR	5	5	5	9	51

**Notes:**

\* - Results not reported due to machine malfunction

NR - No result because machine was not setup

<sup>(1)</sup> - Exceedance primarily attributed to >50 ppm material placement into the vault and East Plant excavation.

<sup>(2)</sup> - Exceedance primarily attributed to East Plant excavation and high pressure spray from water truck.

**TABLE 1.2 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA TSP AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B TSP-12</b>	<b>STATION 1C TSP-12</b>	<b>STATION 14 TSP-11(TSP-5)</b>	<b>STATION 22B TSP-9</b>	<b>STATION 23 TSP-3</b>	<b>STATION 29 TSP-8</b>	<b>STATION 30 TSP-1</b>	<b>STATION 31 TSP-16</b>
<b>5/19/2006</b>								
Total Volume(m3)	954	NR	NR(NR)	NR	954	1509	87	1428
Average Flow(m3/min)	0.58	NR	NR(NR)	NR	0.61	0.89	*	1.31
TSP Concentration(mg/m3)	0.0869	NR	NR(NR)	NR	0.0611	0.0528	*	0.0401
Percent of Allowable(%)	**	NR	NR(NR)	NR	**	**	*	**
<b>5/22/2006</b>								
Total Volume(m3)	927	NR	1256(1268)	NR	776	1418	987	1812
Average Flow(m3/min)	0.61	NR	0.9(0.91)	NR	0.56	0.9	0.73	1.2
TSP Concentration(mg/m3)	0.0548	NR	0.0589(0.0676)	NR	0.0684	0.0461	0.0428	0.0413
Percent of Allowable(%)	49	NR	UPWIND(UPWIND)	NR	61	41	38	37
<b>5/23/2006</b>								
Total Volume(m3)	935	NR	1389(1402)	NR	974	1295	1135	1863
Average Flow(m3/min)	0.68	NR	0.92(0.93)	NR	0.66	0.96	0.76	1.34
TSP Concentration(mg/m3)	0.0718	NR	0.0551(0.0524)	NR	0.0496 J	0.0643 J	0.08	0.0691
Percent of Allowable(%)	67	NR	51(49)	NR	46	UPWIND	75	64
<b>5/24/2006</b>								
Total Volume(m3)	1780	NR	1237(1334)	NR	960	1511	1034	1940
Average Flow(m3/min)	1.14	NR	0.9(0.97)	NR	0.71	0.93	0.73	1.26
TSP Concentration(mg/m3)	0.1049	NR	0.0721(0.0643)	NR	0.0608	0.0719	0.0734	0.042
Percent of Allowable(%)	126 <sup>(1)</sup>	NR	87(77)	NR	73	86	88	50
<b>5/25/2006</b>								
Total Volume(m3)	1410	NR	1193(1315)	NR	843	1230	968	416
Average Flow(m3/min)	1.1	NR	0.87(0.96)	NR	0.62	0.94	0.71	*
TSP Concentration(mg/m3)	0.0799	NR	0.0581(0.0637)	NR	0.0706	0.0711	0.0799	*
Percent of Allowable(%)	83	NR	60(66)	NR	73	74	83	*

**TABLE 1.2 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA TSP AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B TSP-12</b>	<b>STATION 1C TSP-12</b>	<b>STATION 14 TSP-11(TSP-5)</b>	<b>STATION 22B TSP-9</b>	<b>STATION 23 TSP-3</b>	<b>STATION 29 TSP-8</b>	<b>STATION 30 TSP-1</b>	<b>STATION 31 TSP-16</b>
<b>5/30/2006</b>								
Total Volume(m3)	1588	NR	1380(1454)	NR	851	1328	1017	1242
Average Flow(m3/min)	1.08	NR	0.95(1)	NR	0.59	0.9	0.69	0.84
TSP Concentration(mg/m3)	0.0773	NR	0.0638(0.0587)	NR	0.0766	0.1047	0.0572	0.074
Percent of Allowable(%)	44	NR	36(34)	NR	44	UPWIND	33	42
<b>5/31/2006</b>								
Total Volume(m3)	1615	NR	1441(1411)	NR	728	1370	1066	1191
Average Flow(m3/min)	1.12	NR	0.97(0.95)	NR	0.5	0.94	0.72	0.82
TSP Concentration(mg/m3)	0.0695	NR	0.0713(0.0629)	NR	0.1059	0.1214	0.0655	0.0765
Percent of Allowable(%)	34	NR	35(31)	NR	52	UPWIND	32	38
<b>6/1/2006</b>								
Total Volume(m3)	1596	NR	1358(1329)	1939	707	1199	1140	1280
Average Flow(m3/min)	1.11	NR	0.97(0.95)	1.36	0.5	0.82	0.81	0.9
TSP Concentration(mg/m3)	0.0493	NR	0.0644(0.0709)	0.0464	0.1184	0.1261	0.0611	0.0406
Percent of Allowable(%)	42	NR	UPWIND(UPWIND)	39	100 <sup>(2)</sup>	107 <sup>(3)</sup>	52	34
<b>6/2/2006</b>								
Total Volume(m3)	1647	NR	1440(1380)	1956	895	1284	1270	1350
Average Flow(m3/min)	1.11	NR	0.98(0.94)	1.34	0.61	0.84	0.86	0.91
TSP Concentration(mg/m3)	0.0326	NR	0.0572(0.0609)	0.0451	0.0555	0.0379	0.0404	0.0376
Percent of Allowable(%)	32	NR	UPWIND(UPWIND)	44	55	37	40	37
<b>6/5/2006</b>								
Total Volume(m3)	1566	NR	1362(1405)	2018	1282	956	1089	1355
Average Flow(m3/min)	1.08	NR	0.93(0.96)	1.38	0.89	0.65	0.74	0.93
TSP Concentration(mg/m3)	0.0321	NR	0.0566(0.0547)	0.0538	0.0333	0.0521	0.0667	0.0637
Percent of Allowable(%)	35	NR	UPWIND(UPWIND)	59	36	57	73	70

**TABLE 1.2 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA TSP AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B TSP-12</b>	<b>STATION 1C TSP-12</b>	<b>STATION 14 TSP-11(TSP-5)</b>	<b>STATION 22B TSP-9</b>	<b>STATION 23 TSP-3</b>	<b>STATION 29 TSP-8</b>	<b>STATION 30 TSP-1</b>	<b>STATION 31 TSP-16</b>
<b>6/6/2006</b>								
Total Volume(m3)	1617	NR	1546(1454)	1994	1006	1244	1192	1216
Average Flow(m3/min)	1.08	NR	1.01(0.95)	1.36	0.67	0.86	0.85	0.86
TSP Concentration(mg/m3)	0.1007	NR	0.0752(0.0803)	0.0699	0.0678	0.0714	0.0868	0.0799
Percent of Allowable(%)	84	NR	63(67)	59	57	UPWIND	73	67
<b>6/7/2006</b>								
Total Volume(m3)	1523	NR	1334(1293)	1916	830	1152	1249	467
Average Flow(m3/min)	1.11	NR	0.96(0.93)	1.35	0.61	0.78	0.82	*
TSP Concentration(mg/m3)	0.0486	NR	0.041(0.0444)	0.0501	0.0752	0.0408	0.0484	*
Percent of Allowable(%)	71	NR	60(65)	74	110 <sup>(2)</sup>	UPWIND	71	*
<b>6/8/2006</b>								
Total Volume(m3)	1302	NR	1322(1343)	1382	891	1363	513	1210
Average Flow(m3/min)	0.89	NR	0.97(0.98)	0.95	0.67	0.87	*	0.82
TSP Concentration(mg/m3)	0.047	NR	0.0578(0.0517)	0.0517	0.0569	0.0426	*	0.095
Percent of Allowable(%)	54	NR	UPWIND(UPWIND)	60	66	49	*	110 <sup>(4)</sup>
<b>6/9/2006</b>								
Total Volume(m3)	1171	NR	1373(1279)	1293	1154	1224	1145	1288
Average Flow(m3/min)	0.84	NR	0.97(0.91)	0.93	0.83	0.86	0.81	0.92
TSP Concentration(mg/m3)	0.0681	NR	0.0597(0.069)	0.0681	0.0378	0.0391	0.0561	0.0638
Percent of Allowable(%)	59	NR	UPWIND(UPWIND)	59	33	34	49	55
<b>6/10/2006</b>								
Total Volume(m3)	522	NR	583(572)	501	362	468	292	509
Average Flow(m3/min)	*	NR	*(*)	*	*	*	*	*
TSP Concentration(mg/m3)	*	NR	*(*)	*	*	*	*	*
Percent of Allowable(%)	*	NR	*(*)	*	*	*	*	*
<b>6/12/2006</b>								
Total Volume(m3)	1337	NR	1494(1377)	1379	1168	1218	4	1254
Average Flow(m3/min)	0.81	NR	1.02(0.94)	0.89	0.67	0.71	*	0.81

**TABLE 1.2 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA TSP AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B</b>	<b>STATION 1C</b>	<b>STATION 14</b>	<b>STATION 22B</b>	<b>STATION 23</b>	<b>STATION 29</b>	<b>STATION 30</b>	<b>STATION 31</b>
	<b>TSP-12</b>	<b>TSP-12</b>	<b>TSP-11(TSP-5)</b>	<b>TSP-9</b>	<b>TSP-3</b>	<b>TSP-8</b>	<b>TSP-1</b>	<b>TSP-16</b>
TSP Concentration(mg/ m3)	0.0462	NR	0.0386(0.0415)	0.0616	0.0566	0.0345	*	0.0949
Percent of Allowable(%)	67	NR	UPWIND(UPWIND)	89	82	50	*	137 <sup>(4)</sup>

**TABLE 1.2 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA TSP AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B TSP-12</b>	<b>STATION 1C TSP-12</b>	<b>STATION 14 TSP-11(TSP-5)</b>	<b>STATION 22B TSP-9</b>	<b>STATION 23 TSP-3</b>	<b>STATION 29 TSP-8</b>	<b>STATION 30 TSP-1</b>	<b>STATION 31 TSP-16</b>
<b>6/13/2006</b>								
Total Volume(m3)	1042	NR	1397(1426)	1278	919	981	957	1221
Average Flow(m3/min)	0.84	NR	0.92(0.94)	0.94	0.74	0.84	0.86	0.88
TSP Concentration(mg/m3)	0.0647	NR	0.0278(0.0426)	0.0738	0.0631	0.0382	0.0404	0.1496
Percent of Allowable(%)	91	NR	UPWIND(UPWIND)	104 <sup>(5)</sup>	89	54	57	210 <sup>(4)</sup>
<b>6/14/2006</b>								
Total Volume(m3)	1110	NR	1210(1249)	1238	803	1352	1155	1157
Average Flow(m3/min)	0.84	NR	0.89(0.92)	0.92	0.6	0.92	0.82	0.86
TSP Concentration(mg/m3)	0.0841	NR	0.0534(0.0589)	0.1083	0.074	0.0564	0.0624	0.0978
Percent of Allowable(%)	85	NR	UPWIND(UPWIND)	110 <sup>(5)</sup>	75	57	63	99
<b>6/15/2006</b>								
Total Volume(m3)	1313	NR	1298(1314)	1411	286	1348	1160	1184
Average Flow(m3/min)	0.89	NR	0.9(0.91)	0.92	*	0.92	0.81	0.81
TSP Concentration(mg/m3)	0.2136	NR	0.0994(0.1002)	0.079	*	0.0763	0.0734	0.1497
Percent of Allowable(%)	168 <sup>(6)</sup>	NR	78(79)	62	*	UPWIND	58	117 <sup>(4)</sup>
<b>6/16/2006</b>								
Total Volume(m3)	1175	NR	1276(1318)	1236	13	1318	1153	1139
Average Flow(m3/min)	0.84	NR	0.9(0.93)	0.92	*	0.92	0.81	0.81
TSP Concentration(mg/m3)	0.2638	NR	0.0731(0.0774)	0.0725	*	0.0519	0.0709	0.1169
Percent of Allowable(%)	304 <sup>(6)</sup>	NR	84(89)	84	*	UPWIND	82	135 <sup>(4)</sup>
<b>6/17/2006</b>								
Total Volume(m3)	1359	NR	1431(1430)	1490	NR	1525	1286	1311
Average Flow(m3/min)	0.83	NR	0.91(0.91)	0.91	NR	0.91	0.81	0.8
TSP Concentration(mg/m3)	0.177	NR	0.0348(0.0518)	0.0626	NR	0.056	0.0868	0.0629
Percent of Allowable(%)	169 <sup>(6)</sup>	NR	33(50)	UPWIND	NR	54	83	60

**TABLE 1.2 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA TSP AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B TSP-12</b>	<b>STATION 1C TSP-12</b>	<b>STATION 14 TSP-11(TSP-5)</b>	<b>STATION 22B TSP-9</b>	<b>STATION 23 TSP-3</b>	<b>STATION 29 TSP-8</b>	<b>STATION 30 TSP-1</b>	<b>STATION 31 TSP-16</b>
<b>6/19/2006</b>								
Total Volume(m3)	1114	NR	1194(1222)	1331	1256	1250	1097	1218
Average Flow(m3/min)	0.8	NR	0.84(0.86)	0.95	0.92	0.88	0.77	0.87
TSP Concentration(mg/m3)	0.123	NR	0.0456(0.0459)	0.0609	0.0498	0.055	0.0549	0.0491
Percent of Allowable(%)	121 <sup>(6)</sup>	NR	45(45)	UPWIND	49	54	54	48
<b>6/20/2006</b>								
Total Volume(m3)	NR	NR	1283(1293)	1621	1343	1323	1176	1182
Average Flow(m3/min)	NR	NR	0.88(0.89)	0.96	0.96	0.91	0.8	0.82
TSP Concentration(mg/m3)	NR	NR	0.0536(0.0561)	0.0835	0.0572	0.0661	0.0571	0.062
Percent of Allowable(%)	NR	NR	38(40)	UPWIND	41	47	41	44
<b>6/21/2006</b>								
Total Volume(m3)	NR	742	1248(1278)	1342	1340	1486	1158	1158
Average Flow(m3/min)	NR	0.66	0.88(0.9)	0.97	0.95	0.9	0.8	0.79
TSP Concentration(mg/m3)	NR	0.1716	0.0772(0.0864)	0.084	0.0726	0.123	0.0959	0.0129
Percent of Allowable(%)	NR	122 <sup>(6)</sup>	55(62)	UPWIND	52	88	68	9
<b>6/22/2006</b>								
Total Volume(m3)	NR	1154	1335(1278)	1435	1309	1376	1174	1120
Average Flow(m3/min)	NR	0.81	0.93(0.89)	0.96	0.93	0.91	0.81	0.78
TSP Concentration(mg/m3)	NR	0.0939	0.0553(0.0667)	0.0617	0.0731	0.062	0.0575	0.0646
Percent of Allowable(%)	NR	91	54(65)	UPWIND	71	60	56	63
<b>6/23/2006</b>								
Total Volume(m3)	NR	1249	1395(1392)	1151	586	1048	1260	1120
Average Flow(m3/min)	NR	0.91	0.97(0.97)	0.97	*	0.9	0.87	0.82
TSP Concentration(mg/m3)	NR	0.0392	0.0338(0.0409)	0.0602	*	0.0344	0.0209	0.0739
Percent of Allowable(%)	NR	57	UPWIND(UPWIND)	88	*	50	31	108 <sup>(4)</sup>
<b>6/24/2006</b>								
Total Volume(m3)	NR	1093	1272(1362)	1361	0	1297	1238	1274
Average Flow(m3/min)	NR	0.77	0.87(0.93)	0.97	*	0.9	0.86	0.89



**TABLE 1.2 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA TSP AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B</b>	<b>STATION 1C</b>	<b>STATION 14</b>	<b>STATION 22B</b>	<b>STATION 23</b>	<b>STATION 29</b>	<b>STATION 30</b>	<b>STATION 31</b>
	<b>TSP-12</b>	<b>TSP-12</b>	<b>TSP-11(TSP-5)</b>	<b>TSP-9</b>	<b>TSP-3</b>	<b>TSP-8</b>	<b>TSP-1</b>	<b>TSP-16</b>
TSP Concentration(mg/ m3)	NR	0.0554	0.0616(0.0599)	0.0699	*	0.0465	0.0426	0.0827
Percent of Allowable(%)	NR	55	UPWIND(UPWIND)	70	*	46	43	83

**TABLE 1.2 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA TSP AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B TSP-12</b>	<b>STATION 1C TSP-12</b>	<b>STATION 14 TSP-11(TSP-5)</b>	<b>STATION 22B TSP-9</b>	<b>STATION 23 TSP-3</b>	<b>STATION 29 TSP-8</b>	<b>STATION 30 TSP-1</b>	<b>STATION 31 TSP-16</b>
<b>6/26/2006</b>								
Total Volume(m3)	NR	1044	1243(1256)	1302	NR	1131	1223	1159
Average Flow(m3/min)	NR	0.78	0.85(0.86)	0.93	NR	0.86	0.83	0.86
TSP Concentration(mg/m3)	NR	0.0839	0.0507(0.0515)	0.0624	NR	0.0579	0.038	0.0728
Percent of Allowable(%)	NR	87	52(53)	65	NR	UPWIND	39	75
<b>6/27/2006</b>								
Total Volume(m3)	NR	1192	1332(1332)	1350	NR	1358	1226	1199
Average Flow(m3/min)	NR	0.83	0.92(0.92)	0.97	NR	0.94	0.86	0.83
TSP Concentration(mg/m3)	NR	0.1694	0.0572(0.0589)	0.1087	NR	0.0703	0.0484	0.0622
Percent of Allowable(%)	NR	163 <sup>(6)</sup>	55(57)	105 <sup>(5)</sup>	NR	68	47	UPWIND
<b>6/28/2006</b>								
Total Volume(m3)	NR	1189	1357(1355)	1402	1110	1259	1265	1194
Average Flow(m3/min)	NR	0.83	0.92(0.92)	0.97	0.92	0.87	0.86	0.83
TSP Concentration(mg/m3)	NR	0.1779	0.0474(0.0496)	0.0904	0.0803	0.0901	0.045	0.0614
Percent of Allowable(%)	NR	118 <sup>(6)</sup>	31(33)	UPWIND	53	60	30	41
<b>6/29/2006</b>								
Total Volume(m3)	NR	1191	1406(1377)	1319	1283	1392	1258	1198
Average Flow(m3/min)	NR	0.83	0.92(0.9)	0.91	0.92	0.96	0.87	0.85
TSP Concentration(mg/m3)	NR	0.1082	0.0546(0.0606)	0.1029	0.0686	0.0545	0.0417	0.0908
Percent of Allowable(%)	NR	107 <sup>(6)</sup>	UPWIND(UPWIND)	102 <sup>(5)</sup>	68	54	41	90

**TABLE 1.2 - GROUP 9B**  
**SUMMARY OF EAST PLANT AREA TSP AIR MONITORING ANALYTICAL RESULTS - SECOND QUARTER 2006**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<b>Unit_ID</b>	<b>STATION 1B</b> <i>TSP-12</i>	<b>STATION 1C</b> <i>TSP-12</i>	<b>STATION 14</b> <i>TSP-11(TSP-5)</i>	<b>STATION 22B</b> <i>TSP-9</i>	<b>STATION 23</b> <i>TSP-3</i>	<b>STATION 29</b> <i>TSP-8</i>	<b>STATION 30</b> <i>TSP-1</i>	<b>STATION 31</b> <i>TSP-16</i>
<b>6/30/2006</b>								
Total Volume(m3)	NR	1500	1332(1363)	1541	1437	1581	1359	1405
Average Flow(m3/min)	NR	0.88	0.9(0.92)	0.91	0.92	0.9	0.87	0.83
TSP Concentration(mg/m3)	NR	0.1177	0.0637(0.0643)	0.0857	0.0588	0.0662	0.0699	0.0806
Percent of Allowable(%)	NR	82	45(45)	UPWIND	41	46	49	56

**Notes:**

\* - Results not reported due to machine malfunction

\*\* - UPWIND machine did not run, therefore % of allowable not calculable.

NR - No result because machine was not setup

<sup>(1)</sup> - Exceedance primarily attributed to the stockpile relocation from the Zipp parking lot into the vault.

<sup>(2)</sup> - No work conducted in the vicinity of the air monitoring station.

<sup>(3)</sup> - Exceedance primarily attributed to truck traffic along haul roads.

<sup>(4)</sup> - Exceedance primarily attributed to truck traffic along public roads and plant traffic in parking lot.

<sup>(5)</sup> - Exceedance primarily attributed to truck traffic along public roads and plant traffic in parking lot.

<sup>(6)</sup> - Exceedance primarily attributed to excavation and/or stockpiling activities in former Zipp Parking Lot.

**TABLE 2**  
**PARCEL 57 VERIFICATION VALIDATED SAMPLE ANALYTICAL RESULTS SUMMARY**  
**GM POWERTRAIN BEDFORD FACILITY**  
**BEDFORD, INDIANA**

<i>Area of Interest:</i>	<i>P057</i>	<i>P057</i>	<i>P057</i>
<i>Sample Location:</i>	<i>057-12240</i>	<i>057-12241</i>	<i>057-12253</i>
<i>Sample ID:</i>	<i>S-057-041106-KH-12240</i>	<i>S-057-041106-KH-12241</i>	<i>S-057-041306-KH-12253</i>
<i>Sample Date:</i>	<i>4/11/2006</i>	<i>4/11/2006</i>	<i>4/13/2006</i>
<i>Sample Depth:</i>	<i>(0-0.33) ft</i>	<i>(0-0.33) ft</i>	<i>(0-0.33) ft</i>

<i>Parameters</i>	<i>Units</i>			
<i>PCBs</i>				
Aroclor-1016 (PCB-1016)	ug/kg	47 U	45 U	220 U
Aroclor-1221 (PCB-1221)	ug/kg	47 U	45 U	220 U
Aroclor-1232 (PCB-1232)	ug/kg	47 U	45 U	220 U
Aroclor-1242 (PCB-1242)	ug/kg	47 U	45 U	220 U
Aroclor-1248 (PCB-1248)	ug/kg	630	1600	1500
Aroclor-1254 (PCB-1254)	ug/kg	47 U	45 U	220 U
Aroclor-1260 (PCB-1260)	ug/kg	130	270	270
Total PCBs		760	1870	1770