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General Motors Corporation

**Facility Environmental
Assessment Report**

Pittsburgh Metal Center

1451 Lebanon School Road
West Mifflin, Pennsylvania 15122

January 15, 2008



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General Motors Corporation
Pittsburgh Metal Center

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Executive Summary

ARCADIS BBL was retained by General Motors Corporation (GM) to perform a Facility Environmental Assessment (FEA) at the Pittsburgh Metal Center located in West Mifflin, Pennsylvania (Site) in accordance with GM Technical Specifications for FEA. The FEA consists of a Site inspection, interviews with plant personnel, a review of Site files, and the collection of samples for laboratory analysis. In addition, an FEA reviews the Site's environmental status and identifies decontamination or abatement requirements for equipment and structures to be decommissioned or removed from the Site in accordance with applicable regulations and GM policies.

To conduct the FEA, ARCADIS BBL conducted interviews with Pittsburgh Metal Center personnel, reviewed files available at the Site, and conducted a detailed Site inspection. Documents from government agencies were requested under a separate scope of work (Phase I Environmental Site Assessment, ARCADIS BBL 2007) and reviewed as part of the FEA. ARCADIS BBL developed a draft Sampling and Analysis Plan (ARCADIS BBL, 2007) and implemented that plan to collect samples and submit them for laboratory analysis. Inspectors walked through each bay of the Site, visually inspecting the structure and appurtenances present, and documenting items of note in each bay. Items were inventoried according to environmental categories and grouped into similar processes. A representative sub-set of the operating production equipment was inventoried based on the age of the facility and the presence of original equipment that remains operational.

Several items of interest were identified during the FEA. BBL recommends these areas of environmental interest be addressed during facility decommissioning. Universal wastes include lamps (i.e., fluorescent, high-intensity discharge [HID], sodium vapor, mercury vapor, and incandescent lamps), batteries (i.e., spent dry cell and lead-acid batteries), and devices containing elemental mercury (including thermostats, switches, thermometers, and Ignitron switches on press control cabinets). Asbestos-containing building materials, wood block floor containing polychlorinated biphenyls (PCBs) in some locations, and concrete slab containing PCBs in some locations were also identified at the site. Concrete pit floors are impacted with up to one-inch thickness of oil. Sediment containing PCBs was identified in the storm sewer.

PCB electrical transformers and capacitors were formerly utilized at the Site. Two known locations of encapsulated PCB are present at the Site in the basement substations and the location of a capacitor fire in the basement. A buried electrical cable from the primary switchyard throughout the plant is an oil-filled, lead-jacketed

cable with asbestos boots at junctions. This cable was not sampled because it was electrically charged at the time of the FEA site inspection; however the cable may potentially contain PCBs and reportedly contains lead and asbestos at the junctions.

Lead is known to be present in paint on many painted surfaces at the plant. Potential Galbestos siding appears to be present on the south side of the plant building. Although laboratory results of one sample indicated no PCBs are present in the siding, this siding may potentially contain asbestos.

One building material sample, 17 concrete core samples, 20 wood block floor samples, 25 wipe samples, 7 sludge samples, 33 oil samples (including 7 composite samples from press lines and 12 representative equipment samples), and 14 sediment samples were collected and submitted to Merit Laboratories of East Lansing, Michigan for analysis of PCBs and Resource Conservation and total Recovery Act (RCRA) metals. PCBs were detected in the wood block, concrete core, sediment and sludge samples ranging from a concentration of 400 µg/kg to 11,000 µg/kg. PCBs were detected in three wipe samples ranging from concentrations of 1 µg/100 cm² to 3.3 µg/100 cm². Total RCRA metals concentrations were detected at various concentrations including 9 samples that exceed 20 times RCRA Toxicity Characteristic Leaching Procedure (TCLP) limits for at least one metal (i.e., 9 samples cannot be ruled out as potential RCRA hazardous wastes if they were to be analyzed by TCLP).

Results of laboratory analysis indicate the presence of low level PCBs in several locations throughout the Site, including wood block floor, concrete floor slabs, sediment in the storm sewer, oil staining and seepage on pavement outside the Powerhouse, exterior surfaces of production equipment, trusses, and grease and oil in multiple press lines. Elevated concentrations of metals exceeding 20 times RCRA TCLP criteria were detected in sludges from pits and sumps. These materials should be properly characterized if accumulated and disposed as wastes.

Based on these results, it is recommended that any facility decommissioning activities should include thorough sampling and characterization of wastes, sediments, and building materials for proper waste classification and profiling. Floors, pits, sumps, ducts, trusses, and trenches should be decontaminated. Proper management of lead-based paint and ACM is required in any area where paint and suspect ACM are documented to be present, and an additional ACM survey, including destructive testing, will be needed for areas not included in previous surveys prior to facility renovation or demolition. Sewers should be further evaluated for the presence of PCB and metals and decommissioned accordingly. Items that when removed will be

considered universal wastes require handling and disposal or recycling in accordance with the regulations for universal wastes, including mercury-containing equipment, batteries, and various types of lamps. If equipment is to be decommissioned for disposal, transfer, sale, transport, donation or scrap, it will be necessary to evaluate it in accordance with General Motors Corporation Operational Reference Letter #56, Environmental Requirements for Equipment Decommissioning. It is recommended that natural gas pipelines and compressed air lines be sampled for the potential presence of PCBs if the pipelines are decommissioned.

Acronyms, Abbreviations, and Units of Measurement

ACM	asbestos-containing material
AIRS/AFS	Aerometric Information Retrieval System/AIRS Facility Subsystem
AST	aboveground storage tank
CFC	chlorofluorocarbon
ECHO	Environmental Compliance History Online
ERNS	Emergency Response Notification System
EDR	Environmental Data Resources, Inc.
FEA	Facility Environmental Assessment
FOIA	Freedom of Information Act
GM	General Motors Corporation
Merit	Merit Analytical Laboratories, Inc.
mg/kg	milligrams per kilogram
PADEP	Pennsylvania Department of Environmental Protection
PCB	polychlorinated biphenyl
POTW	Publicly Owned Treatment Works
NPDES	National Pollution Discharge Elimination System
RCRA	Resource Conservation and Recovery Act
SAP	Sampling and Analysis Plan
SQG	Small Quantity Generator
TCLP	Toxicity Characteristic Leaching Procedure
TSDF	RCRA Treatment Storage and Disposal Facility
TRIS	Toxic Release Inventory System
USEPA	United States Environmental Protection Agency
UST	underground storage tank
µg/100 cm ²	micrograms per 100 square centimeters
WWTP	waste water treatment plant

1. Introduction

ARCADIS BBL was retained by General Motors Corporation (GM) to perform a Facility Environmental Assessment (FEA) at the Pittsburgh Metal Center located in West Mifflin, Pennsylvania (Site) in accordance with GM Technical Specifications for FEA. The FEA consists of a Site inspection, interviews with plant personnel, a review of Site files, and the collection of samples for laboratory analysis. In addition, an FEA reviews the Site's environmental status and identifies decontamination or abatement requirements for equipment and structures to be decommissioned or removed from the Site in accordance with applicable regulations and GM policies.

1.1 Purpose and Scope

The objectives of this FEA included the following:

- Review the Site's environmental status as it relates to the Site history and current status.
- Aid in the proper preparation of equipment and structures for decommissioning.
- Identify and address applicable regulations and GM corporate policies during decommissioning.
- Estimate the type and nature of wastes to be generated during facility decommissioning.

This FEA included above-grade structural Site features, associated appurtenances and areas adjacent to the Site. Below-grade structures, such as existing underground storage tanks (USTs), process sewers and pits, were also included. However, any potential or known environmental conditions that may be associated with soil, groundwater or surface waters were not within the scope of this FEA.

This FEA Report is organized into the following eight sections:

- Section 1 presents general information relating to the Site, and the purpose and scope of the FEA.
- Section 2 presents the scope of the work completed as part of the FEA and summarizes the interviews conducted during the FEA and the Site records reviewed.
- Sections 3 and 4 present the Areas of Interest for the structure and facility equipment, respectively, that were identified during the Site inspection.

- Section 5 discusses the status of production equipment.
- Section 6 discusses laboratory analytical results.
- Section 7 discusses the regulatory status of the Site.
- Section 8 lists references cited within this FEA Report.

1.2 Site Description

The Site is located at 1451 Lebanon School Road in the West Mifflin Borough, Allegheny County, Pennsylvania. The Site consists of an approximately 927,000-square foot metal stamping facility situated on 72 acres of land. Lebanon School road is located immediately south of the Site. U.S. Steel Monongahela Valley Works (U.S. Steel), Irvin Plant is located just under ½ mile south of the Site across Lebanon School Road. Union Railroad tracks and the Union Railroad Switchyard extend perpendicular along the east side of the property line. Further east of the railroad is a residential neighborhood and the Monongahela River. At a significantly lower elevation, Curry Hollow Road and Curry Hollow Creek are located adjacent to the Site's storm water retention basin immediately north of the Site. Located west of the Site is another facility owned by U.S. Steel that is elevated above the Site. A Site location map is shown on Figure 1, and a Site Plan is shown on Figure 2.

The main Site building and supporting structures were constructed by Fisher Body (a division of GM) as a metal stamping plant in 1949. In 1954, a major expansion was made to the Site that included the addition of a rail shipping tract located on the east side of the Site, a steel receiving drive-through located at the southwest corner of the Site, and a truck bay located on the northwest corner of the Site. A Powerhouse located west of the main Site building was built in 1962. A rack repair building was constructed sometime between 1969 and 1973. In addition, the northern portion of the building was expanded between 1992 and 1993 to accommodate the existing die storage area. According to Site personnel, manufacturing activities at the Site have not significantly changed since commencement of Site operations, with the exception of changes in production volume which have varied over time.

The main Site building is comprised of concrete block and sheet metal and primarily houses the stamping operations along with administrative offices. The administrative offices have a brick front and area located on the south end of the main Site building near the front entrance. Currently the administrative offices are unoccupied. The main Site building is two-story with a basement, and in addition another level exists below the benders that is not intended for human occupancy (modified confined space). Other

below-grade levels exist at the loading docks, and designed sump and vault areas within the building.

In addition to the main Site building, other support structures exist at the Site. A rack repair building is located north of the main Site building. A truck scale and scale house are also located immediately north of the main Site building, where two 250-gallon aboveground storage tanks (ASTs) are used for fueling gasoline and diesel trucks. The Powerhouse and a switchyard are located on the west side of the Site. A waste water treatment system, a 200,000-gallon city water AST, and a pump house used for unloading #2 heating oil into one of the seven underground storage tanks (USTs) are also located on the west side of the Site. A 500,000-gallon emergency AST containing water is located on the southwest side of the Site and is utilized for fire suppression. The Site also has a storm water retention basin located near its far north boundary.

The stamping plant utilizes loading docks and railroad spurs to transport inbound raw materials and outbound finished product. The railroad enters the Site at its northeast corner and splits to the east and west. A former railroad spur located on the northeast side of the Site was covered with asphalt and is now utilized as a truck bay.

Site activities include machining and stamping of metal sheets into the shapes of various car components for shipment to other GM facilities. The Site receives metal coils from suppliers. The coils are blanked and sheared to specifications prior to moving to the pressing lines. Once the material has been pressed, the product is either ready for shipment or goes to a final assembly area before shipment.

The Site currently employs approximately 400 people and operates three shifts for five to seven days per week. Primary driving access to the Site is via Lebanon School Road through a main entrance at the southeast corner of the Site. Access to the Site is restricted by a chain link fence, and a guard shack exists at the main entrance.

2. Scope of Work

To conduct the FEA, ARCADIS BBL conducted interviews with Pittsburgh Metal Center personnel, reviewed files available at the Site, and conducted a detailed Site inspection. Documents from government agencies were requested under a separate scope of work (Phase I Environmental Site Assessment, ARCADIS BBL 2007). The documents were reviewed as part of the FEA. ARCADIS BBL developed a draft Sampling and Analysis Plan (ARCADIS BBL, 2007) and implemented that plan to collect samples and submit them for laboratory analysis.

2.1 Interviews

As part of the FEA, ARCADIS BBL interviewed Pittsburgh Metal Center personnel familiar with Site operations and past inspections. Interview records are included as Appendix A. The purpose of the interviews was to identify activities that may result in environmental issues requiring action during decommissioning activities and to locate relevant information related to environmental conditions at the Site. The following personnel were interviewed by ARCADIS BBL:

- Al Beam, Engineering Manager at Pittsburgh Metal Center
- Bill Polomik, Environmental Engineer at Pittsburgh Metal Center
- Ms. Teri Kline, GM Worldwide Facilities Group

2.2 File Review

A review of available Site files was performed to obtain information regarding:

- environmental issues
- regulatory compliance
- inventory of equipment and equipment disposition, chemicals and waste materials
- areas potentially requiring decommissioning, including, but not limited to, solid waste management units, hazardous waste management units (HWMUs), ASTs, product storage areas, equipment storage areas, light fixtures and transformers, welding areas, sealers/adhesive systems, lubricants/coolant systems, machine pits, metal cleaning areas, sewer systems, waste water and stormwater treatment facilities/equipment, dust collectors, cooling towers, medical waste, radioactive material, structural contamination, flooring requiring

removal and disposal, water processing systems, maintenance areas, and recycling operations

With the assistance of Pittsburgh Metal Center personnel at the Site, ARCADIS BBL located and reviewed the following documents in the Site files:

- Final Report, Asbestos Survey and Labeling, MFD Pittsburgh, March 10, 2006, Camtech, Inc. Environmental Health and Safety Consultants, 4550 McKnight Road, Suite 210 Pittsburgh, PA, 15237, 412-931-1210.
- Drawings:
 - o General Motors Metal Fabricating Division Pittsburgh Plant, January 2, 2007 Equipment Layout (no drawing number).
 - o Site Storm Drainage (no drawing number available), 1956.
 - o Sanitary and Storm Sewers, Fisher Body Division GM Corporation, Pittsburgh Plant, Job # 7598 Sheet No. M-4, 3-1-49, 1949.
 - o Press Pit (no drawing number available), 1949.
 - o Layout of Heaters and Ventilators, Pittsburgh Plant, PPF-46 7598-M12, date illegible, 1954.
 - o One-line Drawings of Weld Loops, 02/20/78, PWD-0388, Sheet No. 1 (locations of removed capacitor banks).
 - o Addition to Stamping Plant, Fisher Body Division GM Corporation, Job # 7598-B Sheet M-4A, 12-17-53.
 - o Waste Treatment Facilities, Plan of Sumps and Piping, Job # 7437 Sheet No. WT-1, 6-27-68.
 - o Waste Treatment Facilities (no drawing number available), 1968.
- Plant Lead-based Paint Survey, 7/26/07 (on CD).
- AST Inventory.
- CFC Cooling Systems Inventory.
- Asset Listings, Pittsburgh and WFG (excel file on CD).

- Waste Profiles.

2.3 Freedom of Information Act Requests

A Freedom of Information Act (FOIA) request was submitted to the Pennsylvania Department of Environmental Protection (PADEP) as part of the scope of work to conduct the Phase I Environmental Site Assessment published by ARCADIS BBL in March 2007. The FEA included review of the documents received from the PADEP.

2.3.1 Pennsylvania Department of Environmental Protection

ARCADIS BBL submitted a FOIA request to the PADEP as part of the scope of work for the Phase I Environmental Site Assessment conducted in March 2007. A summary of the document review is included in the Phase I Environmental Site Assessment included on CD. The PADEP provided the following documents for review.

- Application #A – 1029 from the Commonwealth of Pennsylvania Sanitary Board dated February 17, 1949.
- A letter from the Pennsylvania Department of Health dated April 20, 1967.
- A letter from the Pennsylvania Department of Health to Mr. Harry Jeremy dated February 26, 1968.
- Tank Decommissioning Report.
- Fact Sheet/Statement of Basis from GM dated March 6, 2007.

As part of the Phase I Environmental Site Assessment scope of work, ARCADIS BBL also searched the PADEP and USEPA websites for information regarding the Site. The following websites and information were obtained:

- ARCADIS BBL searched the Pennsylvania Environmental Facility Application Compliance Tracking System (eFACTS) Internet site for available environmental information related to the Site. The Site was listed as having three facility inspections between 1998 and 2001. A violation was recorded in December of 2000. The permittee failed to operate or maintain the permitted project. A follow-up inspection was conducted in August of 2000 and no

violations were found. The following five facility permit listings were recorded on the eFACTs Internet site:

- o Permit Number 02-23260 – The permit was issued for storage tanks at the Site. Eight storage tanks (Storage Tanks 001 through 008) were registered and permitted on August 5, 1989.
- o Permit Number PA0030392 – The permit was issued as a NPDES permit for storm water discharge from Outfall #001. The permit was issued on May 22, 1996.
- o Permit Number PA0030392 – The permit was issued as a NPDES permit for storm water discharge from Outfall #001. The permit was issued on June 28, 2001.
- o Permit Number PAR206150 – An application was submitted for discharge of storm water from Outfall #001 associated with industrial activities. This application was for a general permit. The permit was denied and returned to GM on November 6, 2006.
- o Permit Number PA0030392 – A renewal NPDES permit application for storm water discharge from Outfall #001 was submitted to the PADEP. The application was a renewal application and was considered minor. The status of the permit is still pending.
- ARCADIS BBL searched the USEPA Envirofacts Internet site for available environmental information related to the Site. The Site is listed as having an NPDES storm water permit number PA0030392 which was issued on July 28, 2001. The permit expired on July 28, 2006, however, it was administratively extended. The receiving water is listed as Curry Hollow Creek. The Site is listed as a RCRA small quantity generator referencing a notification of hazardous waste activities dated November 19, 1980. The Site is listed on the National Emissions Inventory database for criteria and hazardous air pollutants, and on the AIRS/AFS database as a synthetic minor source. The Site is also listed on the Toxic Release Inventory System (TRIS) database, although no information regarding reported releases was included.
- ARCADIS BBL searched the EPA Environmental Compliance History Online (ECHO) Internet site for available environmental information related to the Site.

The Site was listed as having two air inspections within the last three years. The most recent inspection was dated February 24, 2006. No violations or penalties were enforced during the last inspection. Water and RCRA inspections have not been conducted in the last three years. The Site is also shown as in compliance with Title V of the Clean Air Act amendments of 1990 air permitting requirements.

2.4 Site Inspection

As part of the FEA, ARCADIS BBL performed a detailed Site inspection from August 20, 2007 through August 25, 2007 and August 27, 2007 through August 29, 2007. Inspectors walked through each bay of the Site, visually inspecting the structure and appurtenances present, and documenting items of note in each bay. Items were inventoried according to environmental categories and grouped into similar processes. Equipment and machinery located at the Site were evaluated or inventoried at the time of inspection.

Tables 1, 2 and 3 present the inventory and laboratory analytical results based on environmental category. Table 1 presents a summary of the location, analysis, and of the samples collected as a part of the FEA, Table 2 presents an inventory of Areas of Interest related to the structure as well as regulated materials (e.g., pits, trenches, sumps, and stacks, fire extinguishers, exit signs/emergency lights, general lighting fixtures [e.g., sodium, metal halide, mercury vapor, and/or fluorescent lighting]), and refrigerated equipment (e.g., drinking fountains). Table 3 presents Areas of Interest related to large scale production equipment (e.g. equipment used for producing product from the site as well as ancillary equipment to support production processes).

2.5 Sample Collection and Laboratory Analysis

During the Site inspection, file review and interviews, ARCADIS BBL identified items to be sampled for laboratory analysis. The items were identified based on their potential for environmental concern (identified in Site documents), material content (identified in laboratory analytical reports or waste profiles), or potential to contain hazardous substance(s) (based on issues historically identified at other properties with similar operations and histories). Based on the interviews, file review and Site inspection, ARCADIS BBL prepared a Sampling and Analysis Plan (ARCADIS BBL, 2007), included in Appendix B, that outlined the samples to be collected and specified the laboratory analysis to be performed on each sample. Representative samples were collected of building structural components (wood block, concrete, siding) as well as

sumps, pits and trenches. Production equipment at the facility was visually assessed for the presence of oils and grease, and samples were collected from representative pieces of equipment inventoried. The sample collection was implemented during the week of August 20, 2007 to confirm or eliminate potential items identified during the Site inspection, and to determine contaminants present and contaminant levels. Samples were submitted to Merit Analytical Laboratories, Inc. (Merit) located in East Lansing, Michigan. Laboratory analytical reports are included in Appendix C, and laboratory analytical results are summarized in Table 4. Based on the results of laboratory analysis, building materials, wastes and equipment can be characterized for proper removal, decontamination, and/or disposition.

3. Areas of Interest – Structure

This section describes each Area of Interest that was associated with the building structures and identified during the Site inspection. An inventory of the Areas of Interest related to the structures is presented in Table 2, a Site Plan is shown on Figure 2, and a Plant Layout is shown on Figure 3. General response actions recommended for decommissioning are referred to in this section as: 1) general light cleaning; 2) decontamination (e.g., for oils, process residue, and potential hazardous substances); and 3) equipment removal and preparation for reuse, recycling, or disposal. Laboratory analytical results are presented in Table 4.

3.1 Sumps and Trenches

The Site contains a total of 18 below floor sumps and five small submersible sumps (submersible sumps are in areas cored into the basement concrete). Three of the submersible sumps are located in the main conveyor trench, one of the sumps is located under the #1 baler and the other submersible sump is in the B bale conveyor trench. The basement sumps pump to the main treatment sump in the press pit basement. The main treatment sump in the press pit basement flows to the waste water treatment plant (WWTP). Sumps located on the first floor pump directly to the WWTP. A 25,000-gallon aboveground rectangular waste water holding tank is located behind the Powerhouse on the west side of the Site at the crest of the hill. The steel AST receives waste water from the main treatment sump located in the basement of the building. After the contents of the sump pass through the WWTP they move onto the local publicly owned treatment works (POTW).

ARCADIS BBL collected one sample of oil from the main treatment sump and submitted it for laboratory analysis of PCBs. Results of the analysis identified PCBs at 900 micrograms per kilogram ($\mu\text{g}/\text{kg}$). Sumps in the conveyor press pit are connected to the main treatment sump and therefore were not sampled. Results are summarized in Table 4 and Figure 3 presents the sample locations.

The Powerhouse has two inside collection sumps. The first is near the boilers and is associated with the large equipment pits and the second is near the flashtank and is associated with system blow-downs.

Trenches were observed around the stand-alone presses on the first floor and the truck docks. These trenches are blind and contain staining liquids and/or debris. Utility

trenches were also observed in the former heat treat area. The utility trenches were dry, did not contain debris and had no staining.

It is recommended that standing liquids and sediments be removed from the sumps and trenches, and that the trenches and sump surfaces be decontaminated.

3.2 Pits

Pits were identified throughout the Site, including the basement press pits. Three pits are associated with stand alone presses and are referred to as looping pits. The looping pits measure 10 feet wide by 12 feet long and 14 feet deep. The looping pits contain a small blind sump in one corner of each pit. Surficial staining and debris were noted in the pits.

The Site has two die wash booths and one truck repair wash booth. Each booth contains one shallow trench that leads to a pit. The contents from the pit discharge through a sump to the WWTP and then onto the local POTW. The die wash booths are used for cleaning press dies as well as associated ancillary equipment. The truck repair wash booth is used to collect wash water runoff from the cleaning of fork trucks and batteries. One small paint booth is present at the Site, and is located in the paint shop. The water curtain paint booth was removed and replaced with a fabric filter booth, and the water collection pit and recirculation pits in the floor were filled in.

Concrete core samples were collected from the pits, basement press and wash booth pits and submitted for laboratory analysis of PCBs. PCBs were not detected in the cores collected from the pits. Results are summarized in Table 4 and Figure 3 presents the sample locations.

It is recommended that the pits and associated trenches be decontaminated. Following decontamination, the integrity of the floors should be evaluated to determine the potential for oil release to the subsurface from the pit floors. The initial assessment of the floors indicates that they are in good condition. If pits are to remain intact for future use, decontamination may be sufficient to address the surficial oil. Additional measures (i.e., scarification) may also be necessary in locations where oil has penetrated the concrete. However, if pits are to be permanently closed by backfilling to grade, any concrete exhibiting evidence of oil saturation after decontamination should be demolished, characterized and removed for off-Site disposal prior to backfilling.

3.3 Floors

Approximately 95% of the first floor is covered with 3"x5" blocks. Roughly half of the 3"x5" block are pine wood blocks, and the remaining block floor is a combination of 4"x6" plastic and Polycon® block and larger 2'x2' Pecan wood blocks. Some of the Pecan block flooring was purchased from the GM Hamilton Stamping Plant in Ohio in the 1980s as well as from the GM Chicago Stamping Plant. Originally, hot tar was used to set the 3'x5' pine wood block flooring. Hot tar was later replaced by mastic. According to Site personnel, the shipping area contains original pine wood block. The remainder of the first floor is concrete. The entire basement floor is concrete slab. Staining is present on the majority of the concrete floor in the basement and on the first floor. Office area floors are concrete slab covered in carpet or tile.

General light cleaning is recommended for the manufacturing area and office floors, with the exception of those areas where oil or oily residue is present. Decontamination is generally recommended for oily surfaces.

A total of 20 wood block floor samples were collected for PCB analysis. In addition to PCB analysis, two of the samples were analyzed for RCRA metals. PCBs were detected in five of the samples. PCBs were identified at concentrations ranging from not detected to 2,800 µg/kg. Lead was detected in both samples at a concentration that exceeds 20 times the RCRA Toxicity Characteristic Leaching Procedure (TCLP) regulatory level for the toxicity characteristic hazardous waste under 40CFR 261.24. Results are summarized in Table 4 and presented in Figure 4.

A total of 17 concrete cores were collected for PCB analysis including three from the first floor and 14 from the basement. The ARCADIS BBL technician observed oil penetration in the cores to depths up to one inch. PCBs were detected in three of the concrete core samples. PCBs were identified in the concrete core near Substation 1 at a concentration of 5,500 µg/kg, near Substation 2 at a concentration of 3,000 µg/kg and in the basement at a concentration of 1,000 µg/kg.

3.4 Stacks

Several stacks on the roof of the facility serve as exhaust stacks to vent the work areas and bathrooms.

It is recommended that stacks removed as part of facility decommissioning be decontaminated prior to removal, and also that any stacks associated with process equipment that remain at the facility be decontaminated.

3.5 Pads

Raised concrete pads were observed in the heater houses for fuel oil powered heaters located on the rooftop. Pads were intact, and heavy fuel oil staining was observed. Pads are also located in the substations on the roof.

Steel plates set into the concrete floor were observed near the press lines. These plates are used to repair dies and equipment. The plates were intact, and oil staining was observed around the bases of the plates.

No samples of pads were collected. General light cleaning is recommended for pads with the exception of those areas where oil or oily residue is present. Decontamination is generally recommended for oily surfaces.

3.6 Roofs

The roof of the Pittsburgh Metal Center was replaced in the late 1990s. The roof consists of tar and stone. Air conditioning condenser units, air intake filter houses, the weld water cooling towers, and exhaust stacks are present on the rooftop. The rooftop also includes 50 transite sided heater houses. Each house contains a concrete berm that acts as secondary containment to the No. 2 fuel oil that is used. Staining was observed on the floors of the heater houses which is indicative of the overflow that repeatedly occurred from time to time. Each house contains a minimum of one mercury switch, while the majority of the houses contain three mercury switches.

Six electrical substations are located on the roof (Substations 3, 4, 5, 6, 7 and 8). Four of the substations formerly contained PCB capacitors (Substations 4, 6, 7 and 8). The capacitors were replaced with non-PCB capacitors. A total of three Freon filled transformers were observed in the six substations located on the roof. No samples on the roof were collected.

3.7 Ducts

Ductwork is located throughout the plant and includes Torit Dust Collectors associated with the welders, and hot and cold air returns. According to Site personnel the weld

lines are two to three years old. Dust was not observed on the ductwork at the time of the inspection therefore wipe and dust samples were not collected from the ductwork.

It is recommended that the ducts removed as part of facility decommissioning be decontaminated prior to removal, and also that any ducts associated with process equipment that remain at the facility be decontaminated.

3.8 Painted Surfaces

Site personnel indicated that numerous paint samples have been collected at the Site via both X-ray fluorescence (XRF) technology and bulk sampling. The Site has a lead-based paint management system in place to document the areas with lead-based paint. According to Site personnel, sampling is conducted prior to maintenance projects that may disturb lead-based paint. In some instances, lead-based painted structures or equipment has been painted over several times. Floors and machinery in the plant operations area are reportedly painted regularly. ARCADIS BBL did not observe evidence of significant flaking or peeling of lead-based paint during the FEA inspection. However, the confirmed presence of lead-based paint is an ongoing consideration. Tabulated paint sample results for the Site which were provided by plant personnel are included in Appendix D. Additional paint sampling was not required for the FEA.

3.9 Truss/Overhead Horizontal and Vertical Surfaces

According to Site personnel, in 1999 everything from the truss line to the ceiling was painted. The large structural beams present in the basement were observed to be coated with a heavy grime and oil residue. Wipe samples were collected from the overhead surfaces on the main plant floor as well as in the basement and analyzed for PCBs. Laboratory analysis indicates three of the wipe samples contained detectable concentrations of PCBs. PCBs were identified on the truss next to column H8 at a concentration of 1 microgram per 100 square centimeters ($\mu\text{g}/100\text{ cm}^2$), on the basement elevator rafter at a concentration of $2.8\text{ }\mu\text{g}/100\text{ cm}^2$, and on the basement rafter near column C16 at a concentration of $3.3\text{ }\mu\text{g}/100\text{ cm}^2$. Results are summarized in Table 4 and Figure 4 presents wipe sample locations.

It is recommended that these surfaces be decontaminated or otherwise managed to the extent necessary to mitigate worker exposure and to prepare the material for transportation to disposal or scrap facilities during facility decommissioning. Solid

residue or rinsate generated during the removal of building materials coated in oil should be collected for waste classification and disposal.

3.10 Tunnels

According to Site personnel a tunnel is located in the basement at the end of the bailer pits. The bailer conveyor is referred to as the *bailer tunnel*. A conveyor runs the length of the tunnel transporting bailed scrap steel from the bailer pit to the loading dock on the west side of the plant. The bails come off the conveyor and are dropped into rail cars. ARCADIS BBL did not inspect the tunnel during the Site inspection. The Site has classified the bailer tunnel as a confined space. Tunnel inspection and residual waste sampling should be performed during decommissioning.

3.11 Basements

The Pittsburgh Metal Center contains a press pit area also referred to as the basement. The basement is concrete slab and is located under the first floor between columns B and F, 5 through 22. A conveyor trench is located within the basement and runs north to south, the entire length of the basement. Sumps are present within the conveyor trench and are pumped to the main process waste lift station also located within the basement area. At the time of the Site inspection oil and debris covered the floor of the basement and conveyor trench.

Concrete core samples were collected from the basement floor and conveyor trench and were submitted to the laboratory for PCB analysis. A total of 17 concrete cores were collected for PCB analysis. Fourteen concrete cores were collected from the basement and three concrete cores were collected from the first floor. The ARCADIS BBL technician observed oil penetration in the cores to depths up to one inch. No PCBs were detected in concrete core samples from the first floor. PCBs were detected in three of the concrete core samples. PCBs were identified in the concrete core near Substation 1 at a concentration of 5,500 µg/kg, near Substation 2 at a concentration of 3,000 µg/kg and in the basement at a concentration of 1,000 µg/kg. Results are summarized in Table 4 and Figure 4 presents concrete floor sample locations.

It is recommended that the basement floors and conveyor trenches be decontaminated. Following decontamination, the integrity of the floors should be evaluated to determine the potential for oil release from the pit floors. The initial assessment of the floors indicates that they are in good condition. If pits are to remain intact for future use, decontamination may be sufficient to address the surficial oil.

Additional measures (i.e., scarification) may also be necessary in locations where oil has penetrated the concrete. However, if pits are to be permanently closed by backfilling to grade, any concrete exhibiting evidence of oil saturation after decontamination should be demolished, characterized and removed for off-Site disposal prior to backfilling.

3.12 Storm Sewer

Throughout the plant the storm lines run south to north. The lines run east to west after exiting the plant. After exiting the plant the lines drain into a concrete-lined channel (storm water trench). From the channel the storm water flows to a retention basin. The storm water leaves the basin through Outfall 001 to Curry Hollow Creek. ARCADIS BBL collected a sludge sample from a manhole located near the northwest corner of the plant. The sample was collected prior to the storm water entering the concrete-lined trench. The sample was analyzed for PCBs and RCRA metals. Sample analysis identified PCBs at a concentration of 11,000 µg/kg and RCRA metals ranging from 0.586 mg/kg of mercury to 557 mg/kg of lead. Results are summarized in Table 4 and the sample location is presented on Figure 4. Due to the presence of PCBs in this catch basin, the affected segment(s) of the storm drain system should be delineated and decommissioned in accordance with GM procedures.

3.13 Sanitary Sewer

Sanitary waste is discharged to the local POTW. No detailed inspection of the sanitary sewer was performed as part of the FEA.

3.14 Process Sewer

The process sewer includes both overhead and underground piping. Process waste flows to the Site WWTP. The original underground process sewer lines are still in use with very little modification over the years.

Given the presence of PCBs detected at the Site, investigation of the process waste piping for PCB analysis is recommended. Pending the outcome of the laboratory analysis, if PCBs are detected the piping and oil/water separator should be flushed or decontaminated.

3.15 Laboratory

A small laboratory was observed in the Powerhouse. Chemical hoods are not present in the laboratory. The countertops in the laboratory could potentially contain transite and/or fiber gaskets (potential asbestos containing material [ACM]). However, the asbestos survey performed by Camtech, Inc. in March 2006 did not identify these items as ACM. The Camtech asbestos survey report text is included in Appendix E. A minimal amount of chemicals were observed in the laboratory. ARCADIS BBL did not inventory the chemicals as part of the FEA. A complete chemical sweep is recommended in the event production is terminated.

No further environmental action is recommended for the laboratory.

3.16 Cafeteria

The cafeteria is located on the second floor of the plant. The cafeteria contains grease piping that is connected to a centrally located grease trap within the footprint of the cafeteria. Additionally, the cafeteria contains several ice machines and coolers containing chlorofluorocarbons (CFCs); however, the equipment has not been quantified pending final disposition strategy. Any CFC-containing equipment decommissioned for disposal, sale, transport, or donation must be evaluated in accordance with GM Operational Reference Letter #56, Environmental Requirements for Equipment Decommissioning, and any CFC equipment left behind for scrap will require decommissioning to evacuate and recycle the CFCs (see Section 4.2). No further environmental action is recommended for the cafeteria.

3.17 Factory Medical Facility

The Site contains a factory medical facility that is active and provides first aid treatment. The factory medical facility is located on the first floor of the administration area. This medical facility replaced the original factory medical facility. According to Mr. Al Beam, Engineering Manager, the former x-ray machine associated with the original factory medical department was reportedly removed several years ago and it is unknown if the walls in the former x-ray room contain lead.

Typical environmental concerns identified with factory medical facilities are universal wastes including fluorescent lights and ballasts, fire extinguishers, emergency lighting, thermostats, and small refrigerators and/or ice makers (CFCs). In addition, small

oxygen cylinders may be present. Removal and recycling or disposal of these items is recommended.

3.18 Asbestos-Containing Materials

A survey for ACM was not conducted as part of this FEA. Site personnel are aware of the confirmed presence of ACM on site, and maintain an asbestos management program. Site records document abatement and disposal activities have occurred in the past. According to waste shipment records the last asbestos disposal was in 2006.

Based on the most current asbestos survey conducted by Camtech, Inc. in March 2006 asbestos abatement is required at the Site in the event that damaged or exposed material is present, or for demolition or renovation activities. ARCADIS BBL did not observe visual evidence of accessible known or presumed ACM in damaged condition during the FEA. However, the confirmed presence of ACM at the Site is an ongoing consideration. Excerpts from the asbestos survey and labeling report prepared by Camtech are included as Appendix E.

In the event a portion of the facility is renovated or demolished, an additional asbestos survey would be required to perform destructive sampling and identify any ACM in hidden pipe chases, etc. prior to implementation of that work.

4. Areas of Interest – Facility Equipment

This section describes each Area of Interest that was associated with the facility equipment and identified during the FEA Site inspection. An inventory of the facility equipment within each Area of Interest is presented in Table 2, and a Site Plan is shown on Figure 2 and a Plant Layout is shown on Figure 3. General response actions recommended for decommissioning are referred to in this section as: 1) general light cleaning; 2) decontamination (e.g., for oils, process residue, and potential hazardous substances); and 3) equipment removal and preparation for reuse, recycling, or disposal. Laboratory analytical results are presented in Table 2.

4.1 Lights

During the Site inspection, approximately 2,300 high-intensity discharge lighting fixtures (metal halide) and 1,200 fluorescent lighting fixtures were identified throughout the facility. An additional 250 high pressure sodium lights were identified outside the facility. According to Site personnel the majority of mercury vapor lights have been removed from the plant.

It is recommended that the lamps be recycled in accordance with state and federal regulations applicable to universal wastes. The ballasts and/or capacitors that are associated with the light fixtures should be removed and recycled or disposed at an approved disposal facility. GM may require that PCB ballasts and capacitors be segregated for disposal by GM. Care should be taken to avoid lamp breakage and the release of mercury and other hazardous substances.

4.2 Chlorofluorocarbons

Equipment containing CFCs was identified throughout the Site. This equipment includes air conditioning condenser units, refrigerators (cafeteria), and drinking fountains throughout the facility. A CFC Cooling Systems Inventory was provided by Site personnel and is included in Appendix F.

During the time of the inspection, the disposition of this equipment was unknown. If the equipment is to be reused, the CFCs will remain in the equipment provided the equipment passes a leak test. If the equipment is to be decommissioned for disposal, transfer, sale, transport, donation or scrapped, it will be necessary to evacuate the CFCs for recycling and to record the type and quantity of CFCs present in accordance

with GM Operational Reference Letter #56, Environmental Requirements for Equipment Decommissioning.

4.3 Underground Storage Tanks

Four 30,000-gallon former USTs containing Number 2 fuel oil were removed from the Site in late 1979 to early 1980, prior to promulgation of federal UST regulations under 40CFR 265. Site personnel were not aware of any use for USTs other than heating oil. Site personnel indicated that the USTs formerly existed at the current UST area on the west side of the Site. The four USTs were replaced with seven 50,000-gallon Number 2 fuel oil USTs. The USTs are constructed of steel with a fiberglass coating, and utilized for heating the main building at the Site.

Number 2 fuel oil is unloaded from incoming fuel trucks to fill the seven USTs. The oil is off-loaded from the trucks to a fuel dock at a pump house, where it is pumped into the USTs. At the time of the Site inspection, the fuel dock area did not have secondary containment. ARCADIS BBL observed significant oil staining of the concrete surface of the fuel dock.

It is recommended that the concrete of the loading area be decontaminated. Following decontamination, the integrity of the concrete should be evaluated. The initial assessment of the concrete indicates that it is heavily stained but in good condition. If the concrete is to remain intact for future use, decontamination may be sufficient to address the surficial staining.

4.4 Aboveground Storage Tanks

Two 227-gallon ASTs containing gasoline and diesel fuel were installed in 1992. The ASTs are located outside the northeast corner of the building in a fueling area. The area is surrounded by a concrete berm used for secondary containment. The containment is equipped with a drain outlet to discharge storm water to the surrounding earthen ground surface.

Three 9,000 to 9,500-gallon open top ASTs and one 4,000 to 4,500-gallon enclosed AST used for process waste water treatment are located adjacent to the Powerhouse on the west side of the Site. These ASTs are used to process and treat oily waste water. The ASTs are located on steel stilts and surrounded by a coated secondary containment area. ARCADIS BBL observed staining on the pavement outside of the

secondary containment area. The staining is from a documented overflow from the 25,000-gallon wastewater holding tank in 2006.

One dormant, 8,500-gallon used oil AST is located outside of the Powerhouse, immediately adjacent to the four treatment ASTs. This AST is located within a coated secondary containment area. According to Site personnel, use of this AST has been discontinued. ARCADIS BBL observed no evidence of leaks or spills associated with the AST during the Site inspection.

Visual inspection of the ASTs to verify that they are empty and free of residue, as well as decontamination (as necessary) to accommodate final disposition (i.e., reuse or scrap), is recommended. Final disposition of the ASTs is undetermined at this time. If the ASTs are to be taken out of service or removed, it is recommended that the fluid transfer lines be drained, flushed and cut in accordance with GM protocols (at approximately 50-ft intervals) to prohibit future use or as preparation for removal and disposal/scrap.

4.5 Process Tanks

A 25,000-gallon aboveground rectangular waste water holding tank is located behind the Powerhouse on the west side of the Site at the crest of the hill. The steel AST receives waste water from the Site's main oil sump located in the basement of the building. The AST has no secondary containment. ARCADIS BBL observed oil staining on the pavement in the area.

Four process waste water treatment ASTs are also located adjacent to the Powerhouse on the west side of the Site. These ASTs (three 9,000 to 9,500-gallon open top ASTs and one 4,000 to 4,500-gallon) are used to process and treat oily waste water. The ASTs are located on steel stilts and are surrounded by a coated secondary containment area. ARCADIS BBL observed staining on the pavement outside of the secondary containment area. The staining is the result of an overflow of the 25,000 gallon holding tank that occurred during the Summer of 2006.

The concrete should be decontaminated or disposed as part of facility decommissioning. It is recommended that all the process tanks and stained concrete be emptied and decontaminated as part of Site decommissioning.

4.6 Hydraulic Units

Hydraulic units associated with production equipment were observed during the FEA Site inspection throughout the facility. These units are either stand-alone units that are connected to the equipment via piping or are reservoirs/units that are mounted directly on the process equipment. Hydraulic unit capacity varies from approximately 3 to 50 gallons.

The truck docks formerly contained hydraulic levelers. The area was renovated and the hydraulic levelers were replaced with spring loaded levelers. No other hydraulic levelers exist at the Site. Two hydraulic elevators are present at the site. One personnel elevator used for the cafeteria, and a second freight elevator used for accessing the basement.

ARCADIS BBL collected a total of 33 oil samples (including 7 composite samples from press lines and 12 representative equipment samples) from hydraulic units associated with production equipment and submitted them for laboratory analysis of PCBs and RCRA metals. Results indicate PCBs were identified in two of the samples at concentrations of 1,000 µg/kg and 5,500 µg/kg, Press Lines K and N, respectively. RCRA metals were detected at concentrations below 20 times RCRA TCLP regulatory level. Sample locations are shown on Figure 3 and results are summarized in Table 1.

It is recommended that these hydraulic units be drained and sealed or decontaminated, as required, for final disposition (i.e., reuse or scrap) in accordance with GM Operational Reference Letter #56, Environmental Requirements for Equipment Decommissioning. Unit-by-unit sampling will be need to be completed based on the presence of PCBs in some of the units sampled.

4.7 Transformers

According to Site personnel, four PCB transformers were located in two different rooms of the west end of the basement, Substation 1 and Substation 2. Each substation contained two PCB-containing transformers. According to Site documents, on December 24, 1995, Site personnel were notified of a PCB spill that occurred due to a transformer change out. Approximately 8 to 10 gallons of fluid were collected. The area was cleaned and a wipe sample was collected and analyzed for PCBs. Laboratory results reportedly indicated PCBs at a concentration of 52 µg/100 cm². The area was encapsulated with two-part epoxy paint in response to the spill. According to

Site personnel the PCB-containing transformers in the substations were replaced with non-PCB transformers.

The switchyard contains three transformers in the primary substation. According to Site personnel one of the transformers was struck by lightning and is no longer used. The other two transformers are operational and contain low levels of PCBs. Heavy staining was present on the ballast covered ground within the primary switchyard. A total of three Freon filled transformers were observed in the six substations located on the roof.

No samples were collected in the switchyard as part of the FEA.

4.8 Radioactive Devices

The FEA Site inspection did not identify any radioactive devices. According to Site personnel the plant formerly used gamma emitters for thickness gauges. The Site does not currently use these devices. Two laser booths are located at the Site. However, radiation is not associated with either laser.

Smoke detectors may potentially contain a small amount of radioactive material and, therefore, should be managed accordingly during reuse, recycling or disposal. Smoke detectors have been removed from many locations throughout the plant. Several hundred smoke detectors were reportedly staged in three storage containers for disposal at the time of the FEA inspection. Containers are located on the first floor of the administration building.

4.9 Capacitors

Several PCB containing capacitors mounted within the ceiling trusses were historically present at the site. According to Site personnel, all of the known PCB capacitors were removed from service and if evidence that a leak from the capacitor occurred the rack was removed when the capacitor was removed. In addition four of the substations located on the roof formerly contained PCB capacitors (Substations 4, 6, 7 and 8). The capacitors were replaced with non-PCB capacitors or removed all together. One capacitor reportedly caught on fire and burned in the basement. The area was cleaned and coated with epoxy.

ARCADIS BBL collected four wipe samples from overhead trusses. Wipe samples were collected and submitted to the laboratory for PCB analysis. PCBs were not

detected in three of the samples. One sample contained PCBs at a concentration of 1 $\mu\text{g}/100\text{ cm}^2$. Figure 3 presents the sample locations and Table 4 summarizes the sample results.

It is recommended that any remaining capacitors be properly managed and prepared for final disposal by GM, and trusses should be further evaluated for the potential presence of PCB if the Site is decommissioned.

4.10 Battery Recharge Stations

One main battery recharging station is located in the truck repair area near column T25. Acid etching was observed on the floor in this area. Several portable battery recharge areas were observed throughout the building.

One concrete core sample was collected in an oil stained location on the floor of the truck repair area and analyzed for PCBs. Laboratory analysis indicates that PCBs were not detected in the concrete core sample. Figure 3 presents the concrete core sample locations, and laboratory analytical results are presented in Table 4.

4.11 Piping

Overhead piping at the Site includes natural gas piping, process waste piping, compressed air piping, cooling tower supply and return piping, #2 fuel oil piping and fire suppression piping. The piping on Site was in use at the time of the FEA inspection and has not been drained. If the piping is to be decommissioned, it is recommended that the process waste piping and the cooling tower supply and return piping be drained, flushed and cut in accordance with GM protocols (at approximately 50-ft intervals) to prohibit future use or in preparation for removal and disposal/scrap.

It is recommended that samples be collected from the natural gas pipelines and compressed air pipelines for submittal to a laboratory for analysis of PCBs following termination of service, at the onset of pipeline decommissioning. The Code of Federal Regulations 761.60(b)(5)(i) outlines requirements for the abandonment of natural gas pipelines containing PCBs above specified levels.

4.12 Mercury-Containing Devices

Approximately 50 mercury-containing thermostats and 50 mercury vapor lamps were observed throughout the building during the FEA inspection. Mercury is also expected

to be present in fluorescent tubes that may be found in facility lighting fixtures throughout the facility. Mercury switches are also located in the 50 heater houses on the roof (each house was observed to contain one to three switches).

It is recommended that any mercury-containing devices that are removed be recycled in accordance with state and federal regulations applicable to universal wastes.

4.13 Booths

One small paint booth is present at the Site, and is located in the paint shop. No trenches were associated with this paint booth. The area was used for maintenance and die painting. The water curtain paint booth was removed and replaced by a fabric filter booth and the water collection pit and recirculation pit in the floor were filled in.

Two die wash booths are present at the Site. Each booth contains one shallow trench that leads to a pit. The contents from the pit discharge through a sump to the WWTP and then onto the local POTW. A smaller wash booth is located in the truck repair area and contains a water collection pit. The pit is used to collect wash water runoff from the cleaning of fork trucks and batteries.

It is recommended that the booths be decontaminated. Following decontamination, the integrity of the floor should be evaluated.

4.14 Ovens

No ovens are present at the Site.

4.15 Filters

Building air filters are present at the Site. The filters are associated with the paint booth, heater units, and the Torrit Dust Collectors in the weld lines. The filters are currently in use and were not inventoried. The spent filters are reportedly not a hazardous waste. Final disposition of the dust collectors and spent filters was not known at the time of the FEA Site inspection. It is recommended that the filters be managed in accordance with GM protocols (Reference Letter #56) for final disposition.

4.16 Conveyors

Conveyor systems are associated with the presses. The conveyor systems are gear driven. Composite oil samples were collected from the presses (oil reservoirs located on the side of the presses, oil from the drip pans located directly under the presses and/or sludge or wipe samples from the pins) the seven press lines and submitted to the laboratory for analysis of PCBs. Laboratory analysis indicates PCBs at a concentration of 1,000 µg/kg and 5,500 µg/kg for press lines K and N, respectively. Figure 3 presents the sample locations, and laboratory analytical results are presented in Table 4.

It is recommended that the conveyor systems and their components be drained and decontaminated, as required, for final disposition (i.e., reuse or scrap) and confirmation of the potential presence of PCBs in the gear oil and grease be conducted when decommissioned. The floor area beneath the conveyor system should be decontaminated and inspected for integrity.

4.17 Fire Protection Systems

Wall-mounted fire extinguishers (dry chemical, carbon dioxide and water) are located throughout the building. A 500,000-gallon water AST stores city water for fire suppression and is located on the southwest portion of the Site approximately 300 yards from main Site building. No Halon systems were reported to be present or identified during the FEA inspection.

4.18 Fluid Fill Station

No fill stations are present at the Site.

4.19 Batteries

Emergency lighting and exit signs are located throughout the Site. Back-up power supplies (batteries) are associated and are attached to each of these systems. A bank of 60 batteries is located in the switch house for the operation of the switchgear. It is recommended that the batteries be recycled when the systems are removed, in accordance with state and federal regulations applicable to universal wastes.

4.20 Waste Water Treatment Plant

The WWTP receives oily waste water from the main oil sump and other direct sources. The current waste water treatment process consists of the use of five ASTs. The 25,000-gallon rectangular, steel waste water AST is used as a buffer for the oil and water collected in sumps and pits from plant operations. As underground sumps and pits collect waste water, it is routed to a discharge line, which is directed to the holding AST. The holding AST is the first step in the waste water treatment process. Four 10,000-gallon waste water treatment ASTs represent the next stages of the oily waste water treatment process. Waste water is transferred from the buffer AST via pipeline to the first two ASTs. The first two ASTs are used to facilitate the injection of polymer used to break down emulsified oil, which is skimmed from the ASTs. The waste water is then transferred to the third AST, which serves as a clarifier. The fourth AST is a holding tank which allows for extra settling time. Effluent from the waste water treatment system is discharged to the West Mifflin Sanitary Sewer Authority. It is recommended vessels and concrete pads be decontaminated as part of decommissioning activities.

4.21 Cooling Tower

A cooling tower is located on the rooftop for welder operations. Cooling tower water is re-circulated via continual loop operations. This system should be decontaminated.

4.22 Wells

Water supply wells and/or natural gas production wells were not observed during the FEA inspection.

4.23 Railroad Spurs

The Site lies adjacent to the Union Railroad extending along the east border. The railroad enters the Site and splits to the east and west. Scrap metal is discharged from the bailers into rail cars located on the railroad spurs below. The short spur is original construction and metal decking now covers it. The west rail brought in coil steel, and bailers. These tracks are original tracks. ARCADIS BBL collected three composite samples from the railroad ties and submitted them to the laboratory for PCB analysis. Laboratory results indicated no detectable levels of PCBs. Sample locations are included on Figure 3 and results are presented in Table 1.

5. Areas of Interest – Production Equipment

Production activities at the facility over the past years have predominantly included blanking and stamping body parts for vehicles. Recently, additional production activities have expanded into welding some body part sub-assemblies for the CK truck line. Equipment associated with these activities includes blanking machines and large presses with associated hydraulic units, dies, and conveyors, welder lines, and machine shop areas with drill presses, lathes, shears, breaks, and cut-off machines for equipment and die repair. Several of the presses at the facility are original presses from 1950. Additional press lines have been added over the years and the original press lines have had modifications as well. The majority of the presses that have been added to the existing press lines have been allied transferred other GM facilities.

Cleaning/decommissioning of the equipment will be dictated by the manner of final disposition. Cleaning/ decommissioning of the equipment must meet the requirements set forth in GM Operational Reference Letter #56. As a minimum requirement, oil, grease, sludge and/or product residues must be removed; fluids that are not contained within internal components must be drained; and a decommissioning checklist must be completed and signed by an environmental representative for each piece of equipment. A representative sub-set of operating production equipment was inventoried based on the age of the facility and the presence of original equipment that remains operational. Wipe samples and oil samples were collected from representative production and support equipment. Laboratory results are included in Table 4.

6. FEA Sampling Results

ARCADIS BBL collected samples to characterize building materials and wastes in accordance with the Sampling and Analysis Plan for the Site (ARCADIS BBL, 2007). Sampling locations are shown on Figure 2 through Figure 5. Laboratory analytical reports are included as Appendix C, and laboratory analytical results are summarized in Table 4. The Sampling and Analysis Plan is included as Appendix B.

One building material sample, 17 concrete core samples, 20 woodblock samples, 25 wipe samples, 7 sludge samples, 33 oil samples (including 7 composite samples from press lines and 12 representative equipment samples), and 14 sediment samples were collected and submitted to Merit Laboratories of East Lansing, Michigan for analysis of PCBs and RCRA metals. PCBs were detected in the wood block, concrete core, sediment and sludge samples ranging from a concentration of 400 µg/kg to 11,000 µg/kg. PCBs were detected in three wipe samples ranging from concentrations of 1 µg/100 cm² to 3.3 µg/100 cm². RCRA metals concentrations were detected at various concentrations including 9 samples that exceed 20 times RCRA TCLP.

7. Applicable Environmental Regulations and Site Regulatory Status

Applicable federal environmental regulations relevant to Site decommissioning are summarized in Table 3.

The Environmental Data Resources, Inc. (EDR) database indicates that the Pittsburgh Metal Center is listed at 1451 Lebanon School Road, West Mifflin, Pennsylvania 15122. The complete EDR report is included in the Site Phase I Environmental Site Assessment report attached as Appendix A. Based on a review of the EDR database report, the Site was identified on the following listings:

- The FINDS database indicates that the Site is listed on the Pennsylvania Environmental Facility Application Compliance Tracking System (eFACTS).
- The Site is listed on the PADS, ERNS, NY MANIFEST, RCRA-SQG and FINDS databases. The Site is a small quantity generator of hazardous waste with EPA identification number PAD000800490. No TSDF activities were on record. The RCRA-SQG database indicates that the Site had seven hazardous waste violations on record from 1989 to 1991. The violations were related to general oversight and treatment, storage, and disposal facility off-site shipment and record keeping requirements. Compliance was achieved for the violations during that same timeframe. Manifest records were listed on the NY MANIFEST database for mercury, non-listed corrosive wastes, and cadmium. Container types used for transfer were metal drums and barrels.
- Two separate listings were given for the Emergency Response Notification System (ERNS) database. One listing was an April 24, 1989 release of 300 gallons (2,499 pounds) of waste oily water to a concrete pad and storm flume. The waste oily water was described as an approximate 5% solution of waste oil in water. The description of the incident was an incorrect valve setting causing an AST to overflow. The material was contained and picked up with absorbent materials. The other listing was related to a May 1994 report of 24 gallons (approximately 200 pounds) of ethylene glycol leaking from underground piping. The system was reported to be leaking for a period of 2 years. The listed action for the leak was draining and elimination of the system.
- Listing on the PADS database indicates PCB activity at the Site, which is related to the generation and off-site shipment of PCB-containing wastes.
- ARCADIS BBL searched the EPA Environmental Compliance History Online Internet site for available environmental information related to the Site. The Site was listed as having two air inspections within the last three years. The

most recent inspection was dated February 24, 2006. No violations or penalties were enforced during the last inspection. Water and RCRA inspections have not been conducted in the last three years. The Site is also shown as in compliance with Title V air permitting requirements.

- ARCADIS BBL reviewed current and past waste profiles for the Site. The following waste streams were included in Site documents.
 - Paint-related waste
 - Solvents in satellite accumulation areas
 - Aerosol cans and miscellaneous universal wastes
 - Wood block floor
 - Waste Concrete
 - Waste Treatment Sludge
 - Oily Water, non-TSCA, non-RCRA, no PCBs
 - Lubricants, parts cleaner, contact cleaner, Rust-oleum (non-chlorinated)
 - Asbestos-contaminated tiles, insulation, PPE, transite board, insulation
 - 4-ft and 8-ft fluorescent lamps, HID lamps (sodium, metal halide, mercury vapor, neon, zeon), U bend lamps, circular/compact/incandescent, shatter shield
 - W219 Other organic liquid
 - Silver paint w/ACM material
 - Waste oil and grease
 - NiCd batteries
 - Oil Absorbent
 - Hazardous Waste Liquids, N.O.S. (Lead soaps) D008
 - Methanol/isopropanol D001 flammable liquid
 - Transmission Fluid/Mineral Oil, non-regulated material, non-RCRA
 - Metal Prep, phosphoric acid/octadecenoic acid D002
 - Waste mercury, D009
 - Epoxy, non-regulated
 - Environmentally Hazardous Waste Substance, Liquid N.O.S., (Carbon black, Calcium oxide) non-RCRA
 - Expired unused product
 - Railroad ties (replacement of old ties)
- The facility has seven active 50,000-gallon No. 2 fuel oil USTs located on the west side of the facility. The existing USTs are constructed of steel with a fiberglass coating, and utilized for heating the main building at the facility. The facility determined that these tanks are not regulated USTs and do not require registration with the PADEP. According to 25 Pa. Code 245.1 regulated underground storage tanks do not include tanks used for storing heating oil for consumptive use on the premises where stored.

8. References

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USEPA. 2007. *Enforcement and Compliance History Online (ECHO)*.

Tables

**TABLE 1
AREAS OF INTEREST - STRUCTURE**

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

**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
1	Gas Metering Building	NA	Sump	4x4	Unknown	PCBs	Remove sediment and debris. Clean all surfaces in accordance with GM specifications.	Chemical and dermal exposure.
2	Press Pit Basement	E8/E9	Elevator	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
3	Rack Storage Building	NA	Trench	1x50x1	Sediment debris	PCBs. Sediment accumulated in trench. Trench serves unknown purpose	Remove sediment and debris. Clean all surfaces in accordance with GM specifications.	Chemical and dermal exposure.
4	Rack Storage Building	NA	Utility Vault	6x6x4	Utility lines w/accum debris	PCBs. Utility pipe chase connecting utilities to the main building	Remove sediment and debris. Clean all surfaces in accordance with GM specifications.	Chemical and dermal exposure.
5	Main Building	North side of track 3	Bottom of storm Manhole	1	Sludge	PCBs	Remove liquid, sediment, and debris. Clean all surfaces in accordance with GM specifications.	Chemical and dermal exposure.
6	Main Building	M21	Sump	1	Sludge	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
7	Main Building	L28	Trench that Leads to Sump in Die Storage Area	1	Sludge	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.

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PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
8	Main Building	West Wall Exterior	Siding on West Side of Building	1	Building Material	ACM	Abate or maintain non- friable condition.	Chemical exposure, inhalation.
9	Main Building	Track1 Track 2 Track 3 Track 4	Railroad ties	1080' 300' 780' 1440'	Solid	PCBs	Maintain or characterize and remove	Chemical and dermal exposure.
10	Main Building	J4	Pit	Unknown	Sediment	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
11	Main Building	T21	Sump on Truck Dock	Unknown	Sediment	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
12	Main Building	A2	Sump	3' dia by 1' deep	Sediment Debris	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
13	Main Building	A3	Press Pit for I3	20x30x6	Oil Sediment Debris	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
14	Main Building	C3	Press Pit	18x27x14	Oil, sediment, debris	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.

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PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
15	Main Building	D3	Press Pit	15x20x14	Oil, sediment, debris	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
16	Main Building	A4	Die Wash Booth Sump	4x6x6	Oil Water Debris	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
17	Main Building	K4	Equipment Containment Pit	5x5x0.5	Oil	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
18	Main Building	L4	Former Quench Oil Pit	4x6x unknown	Unknown	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
19	Main Building	K6	Steel Lined Blind Sump	2x2x2	Dry debris	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
20	Main Building	A6	Die Spray Booth Sump	1x6x1	Oil Debris Water	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
21	Main Building	AF7	Trench	0.5x100x0.5	Oil Debris	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.

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PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
22	Main Building	AA7	Trench	1x12x2	Debris Water	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
23	Main Building	AF10	Looping Pit	10x12x14	Oil Debris	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
24	Main Building	AF10	Trench	0.5x75x0x5	Oil	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
25	Main Building	H10	Trench	1x6x1.5	Water Sludge Oil	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
26	Main Building	H11	Sump	3x3x4	Oil Sludge Debris	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
27	Main Building	U23	Sump	3x3x4	Battery Charging Area Sump	PCBs, metals	Remove liquid, sediment, and debris	Chemical and dermal exposure.
28	Main Building	U23	Truck Repair Pit	12x8x6	Oil stained concrete	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.

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WEST MIFFLIN, PENNSYLVANIA**

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
29	Main Building	T21	Scale Pit	6x9xunknown	No Access	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
30	Main Building	AF16	Looping Pit	8x10x14	Oil Sludge Debris	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
31	Main Building	AF17	Trench	1x70x1	Housekeeping Trench Oil	PCBs, Associated with Prog 1	Remove liquid, sediment, and debris	Chemical and dermal exposure.
32	Main Building	C21	Looping Pit	8x15x8	Debris	PCBs, Associated with Prog 2	Remove liquid, sediment, and debris	Chemical and dermal exposure.
33	Main Building	F21	Looping Pit	8x15x8	Debris	PCBs, Associated with Prog 3	Remove liquid, sediment, and debris	Chemical and dermal exposure.
34	Die Storage	NA	Sump	3x6x4	Debris Oil	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
35	Die Storage	NA	Trench	1x90x1	Oil Sludge	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.

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PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
36	Die Storage	NA	Sump	Unknown	Oil Sludge Debris	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
37	Powerhouse/ Air Compressor Building	NA	Equipment Pit	30x36x4	Oil stained concrete	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
38	Powerhouse/ Air Compressor Building	NA	Oil Waste Sump	4' diameter	Oil	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
39	Powerhouse/ Air Compressor Building	NA	Equipment Pit	30x90x4	Oil stained concrete	PCBs	Remove liquid, sediment, and debris.	Chemical and dermal exposure.
40	Powerhouse/ Air Compressor Building	NA	Utility Trench	3x45x3	Oil stained concrete	PCBs	Remove liquid, sediment, and debris.	Chemical and dermal exposure.
41	Powerhouse/ Air Compressor Building	NA	Utility Trench	3-6x90x2	Oil stained concrete	PCBs	Remove liquid, sediment, and debris.	Chemical and dermal exposure.
42	Powerhouse/ Air Compressor Building	NA	Sump	4' diameter	Labeled as "Sewage Pit"	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.

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WEST MIFFLIN, PENNSYLVANIA**

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
43	Powerhouse/ Air Compressor Building	NA	Sump	4x4x6	Near waste water chemical injection pumps	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
44	Main Building	Basement	Sump	4' diameter	Oil	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
45	Main Building	H8	Rafter	1	Oil staining	PCBs. Former location of PCB capacitor bank.	Remove liquid, sediment, and debris	Chemical and dermal exposure.
46	Main Building	H19	Rafter	1	Oil staining	PCBs. Former location of PCB capacitor bank.	Remove liquid, sediment, and debris	Chemical and dermal exposure.
47	Main Building	P20	Rafter	1	Oil staining	PCBs. Former location of PCB capacitor bank.	Remove liquid, sediment, and debris	Chemical and dermal exposure.
48	Main Building	L20	Rafter - Old Paint	1	Oil staining	PCBs. Former location of PCB capacitor bank.	Remove liquid, sediment, and debris	Chemical and dermal exposure.

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GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
49	Powerhouse/ Air Compressor Building	NA	Black Oil Seeps	10-12	Black oil seeps coming from the wall adjacent to the equipment pits associated with the compressors.	PCBs	Remove, characterize, dispose of impacted concrete.	Chemical and dermal exposure.
50	Main Building 1st Floor	Throughout	Wood Block	95% of first floor	Oil staining	PCBs	Remove, dispose per GM specifications	Chemical and dermal exposure.
51	Main Building 1st Floor & Basement	Throughout	Concrete	5% of first floor	Oil staining	PCBs	Decontaminate per GM specifications	Chemical and dermal exposure.
52	Main Building	K21	Elevator	1	Oil	PCBs	Remove oil, decontaminate per GM specifications	Chemical and dermal exposure.
53	Main Building Basement	B6	Truss	1	Oil staining	PCBs	Decontaminate per GM specifications	Chemical and dermal exposure.
54	Main Building Basement	Throughout	Rafter	Multiple	Oil	PCBs. F9-location of oily residue near elevator	Decontaminate per GM specifications	Chemical and dermal exposure.

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Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
55	Main Building Basement	Throughout	Rafter	Multiple	Oil	PCBs. C16-1-location of capacitor fire in basement	Decontaminate per GM specifications	Chemical and dermal exposure.
56	Main Building Basement	Throughout	Truss	Multiple	Oil	PCBs. E21-2 - location of capacitors.	Decontaminate per GM specifications	Chemical and dermal exposure.
57	Main Building	L28	Trench	1	Oil	PCBs	Remove liquid, sediment, and debris and decontaminate per GM specifications	Chemical and dermal exposure.
58	Main Building	D5 - D20	Scrap Conveyor Pit	800 Feet	Oil and Debris	PCBs	Remove liquid, sediment, and debris and decontaminate per GM specifications	Chemical and dermal exposure.

Notes:

1. Facility equipment inventory and structure inventory/assessment based on visual inspections performed by ARCADIS BBL August 20 through 28, 2007.
2. AC = Air Conditioning.
3. PPE = Personal Protective Equipment
4. PCB = Polychlorinated biphenyl
5. Reference Letter 56 = General Motors Corporation Operational Reference Letter 56: Environmental Requirements for Equipment Decommissioning.

**TABLE 2
AREAS OF INTEREST - FACILITY EQUIPMENT**

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**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
1	Rooftop	Entire main building	Heater Houses	50	Mercury	Mercury switch controls were noted on all of the rooftop heater houses. 1-4 Mercury switches present in each heater house.	Reclaim, clean/drain as per Reference Letter 56	Chemical exposure, inhalation.
2	Main Building	NA	Heater Houses	20	Mercury	Mercury switch controls were noted on all of the rooftop heater houses. 1-4 Mercury switches present in each heater house.	Reclaim, clean/drain as per Reference Letter 56	Chemical exposure, inhalation.
3	Rack Storage Building	NA	Exit Sign	2	Battery	No Comments	Remove, Reuse or Recycle	Dermal Exposure.
4	Rack Storage Building	NA	Emergency Lighting	2	Battery	No Comments	Remove, Reuse or Recycle	Dermal Exposure.

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PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
5	Primary Substation / Switchyard	NA	Transformers	3	PCBs/oil	Two working oil filled transformers. Historic data shows transformers drained and retrofitted at one time. Trace levels of PCBs occasionally detected. One transformer not working, struck by lightning. Heavy black staining present throughout the switchyard ballast.	Drain, remove transformers, test switchyard surfaces for PCBs	Chemical and dermal exposure.
6	Powerhouse/Air Compressor Building	NA	Twistair Air Compressor	1	Oil	No Comments	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
7	Powerhouse/Air Compressor Building	NA	Drill Press	2	Oil	No Comments	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
8	Powerhouse/Air Compressor Building	NA	Ingersol Rand Air Compressors	2	Oil	No Comments	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
9	Powerhouse/Air Compressor Building	NA	Joy Air Compressors	3	Oil Mercury	No Comments	Clean/drain as per Reference Letter 56 Remove, Reuse or Recycle	Chemical and dermal exposure Inhalation.

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WEST MIFFLIN, PENNSYLVANIA**

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
10	Powerhouse/Air Compressor Building	NA	Boilers	2	Natural Gas	Metals	Purge	Chemical exposure, fall hazards, falling objects, inhalation.
11	Powerhouse/Air Compressor Building	NA	Air Filter House	1	Filter Fabric	No Comments	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
12	Powerhouse/Air Compressor Building	NA	Exit Sign	5	Battery	No Comments	Remove, Reuse or Recycle	Chemical exposure, inhalation.
13	Powerhouse/Air Compressor Building	Lab Area	Thermostats	1	Mercury	No Comments	Remove, Reuse or Recycle	Dermal Exposure, inhalation.
14	Primary Substation / Switchyard	NA	Emergency Lighting	2	Battery	No Comments	Remove, Reuse or Recycle	Chemical exposure, inhalation.
15	Gas Metering Building	NA	Emergency Lighting	2	Battery	No Comments	Remove, Reuse or Recycle	Chemical exposure, inhalation.
16	Press Pit Basement	NA	Ignitron Mercury Tubes	24	Mercury	Located within the control panels of some of the presses.	Remove, Reuse or Recycle	Chemical exposure, inhalation.
17	Press Pit Basement	C18	Heater	1	Mercury	Three switches located on heater unit.	Remove, Reuse or Recycle	Chemical exposure, inhalation.

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PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
18	Press Pit Basement	E17/E18	Steel Plates	3	Oil	Three steel tie-down plates present.	Clean per Reference Letter 56	Chemical and dermal exposure.
19	Main Building	A1-B21	Crane Trollies	17	Oil	Oil present in each of the crane Trollies	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
20	Main Building	A1-B21	Crane Rails	12	Grease	Grease present on each of the crane rails.	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
21	Main Building	Die Storage Building	Crane Trolley	1	Oil	Oil present in each of the crane trollies	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
22	Main Building	Die Storage Building	Crane Rails	1	Grease	Grease present on each of the crane rails.	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
23	Main Building	Crane Head	Main Part of Crane Top, AB Crane	1	Grease	Grease present on each of the crane rails.	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
24	Main Building	A4	Die Wash Booth on West Side Trench	1	Sediment	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
25	Main Building	F9	Die Wash Booth	1	Sediment	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.

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FACILITY ENVIRONMENTAL ASSESSMENT
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PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
26	Main Building	T25	Truck Repair Wash Booth	1	Sediment	PCBs	Remove liquid, sediment, and debris	Chemical and dermal exposure.
27	Main Building	Substation 1	Oil From a Breaker Sitting in the Panel on the Floor	1	Oil	PCBs	Clean per Reference Letter 56	Chemical and dermal exposure.
28	Main Building	J21	Cafeteria Elevator	1	Oil	PCBs	Clean per Reference Letter 56	Chemical and dermal exposure.
29	Press Pit Basement	C8	Freight Elevator	1	Oil	PCBs	Clean per Reference Letter 56	Chemical and dermal exposure.
30	Main Building	B1	Drill Press Floor Plate	20' dia	Oil Grease Debris	No Comments	Remove liquid, sediment, and debris	Chemical and dermal exposure.
31	Main Building	D1	Drill Press Floor Plate	20' dia	Oil Grease Debris	No Comments	Remove liquid, sediment, and debris	Chemical and dermal exposure.
32	Main Building	E1	Drill Press Floor Plate	20'dia	Oil Grease	No Comments	Remove liquid, sediment, and debris	Chemical and dermal exposure.
33	Main Building	E3	Drill Press Floor Plate	10x15	Oil	No Comments	Remove liquid, sediment, and debris	Chemical and dermal exposure.
34	Main Building	E3	Floor Plates	10x15 5 each	Debris Oil	No Comments	Remove liquid, sediment, and debris	Chemical and dermal exposure.

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**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
35	Main Building	L4	Utility trench covered with steel plate	1x50x1	Dry, some debris	No Comments	Remove liquid, sediment, and debris. Decontamination in accordance with GM specifications	Chemical and dermal exposure.
36	Main Building	A7	Equipment Repair Plates	12x18	Weld Slag Grease Oil	No Comments	Remove liquid, sediment, and debris. Decontamination in accordance with GM specifications	Chemical and dermal exposure.
37	Main Building	K6	Used Oil Tank	2x4x2	Oil	Tank is above grade with a pump.	Remove liquid, sediment, and debris. Decontamination in accordance with GM specifications	Chemical and dermal exposure.
38	Die Storage	NA	Heater	2	Mercury	No Comments	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
39	Powerhouse/Air Compressor Building	NA	Flashtank, AST located in Below Grade Vault	Unknown	Blowdown	No Comments	Remove liquid, sediment, and debris. Decontamination in accordance with GM specifications	Chemical and dermal exposure.
40	Powerhouse/Air Compressor Building	NA	Used Oil AST	10,000 gallon 3 Each	Tanks located within containment berm	No Comments	Remove liquid, sediment, and debris. Decontamination in accordance with GM specifications	Chemical and dermal exposure.
41	Powerhouse/Air Compressor Building	NA	Used Oil AST	4,000 gallon	Tank located within containment berm	No Comments	Remove liquid, sediment, and debris. Decontamination in accordance with GM specifications	Chemical and dermal exposure.

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GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
42	Powerhouse/Air Compressor Building	NA	Used Oil AST	8,000 gallon	AST located with concrete block containment berm. Black staining present along exterior wall/floor joint of containment berm	No Comments	Remove liquid, sediment, and debris. Decontamination in accordance with GM specifications	Chemical and dermal exposure.
43	Powerhouse/Air Compressor Building	NA	Used Oil AST	25,000 gallon	Staining is present around the tank pad as well as on the face of the hillside/bedroc k wall that the tank is resting upon.	No Comments	Remove liquid, sediment, and debris	Chemical and dermal exposure.
44	Exterior	N A	Fuel Oil Tanks	7	#2 Fuel Oil	No Comments	Remove fuel. Decontaminate per GM specifications	Chemical and dermal exposure.
45	Throughout	NA	Fire Extinguishers	450	Water Dry Chemical CO2	No Comments	Remove, Reuse or Recycle	Chemical exposure, inhalation.

TABLE 2
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GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
46	Exterior	NA	Water Tower	250,000 gallons	Water	No Comments	Drain	NA
47	Throughout	NA	Fluorescent Lighting	NA	Ballasts Bulbs	No Comments	Remove, Reuse or Recycle	Chemical exposure, inhalation.
48	Throughout	NA	Sodium Lighting	NA	Capacitors Bulbs	No Comments	Remove, Reuse or Recycle	Chemical exposure, inhalation.
49	Throughout	NA	Large CFC Units	8	CFCs	No Comments	Reclaim	Chemical exposure, inhalation.
50	Throughout	NA	Medium CFC Units	17	CFCs	No Comments	Reclaim	Chemical exposure, inhalation.
51	Throughout	NA	Small CFC Units	55	CFCs	No Comments	Reclaim	Chemical exposure, inhalation.
52	Throughout	NA	Drinking Fountains	200	CFCs	No Comments	Reclaim	Chemical exposure, inhalation.
53	Powerhouse	NA	Compressor	1	Oil	No Comments	Reclaim. Remove per Reference Letter 56	Chemical exposure

TABLE 2
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Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
54	Administration and Security Building	NA	Smoke Detectors	300	Radioactive Device	No Comments	Remove per Reference Letter 56	Chemical exposure.
55	Throughout	NA	Exit Signs	27	Batteries	No Comments	Remove, Reuse or Recycle	Dermal exposure.

Notes:

1. Facility equipment inventory and structure inventory/assessment based on visual inspections performed by ARCADIS BBL August 20 - 28, 2008.
2. AC = Air Conditioning.
3. PPE = Personal Protective Equipment
4. Reference Letter 56 = General Motors Corporation Operational Reference Letter 56: Environmental Requirements for Equipment Decommissioning.
5. NA = Not applicable.

**TABLE 3
AREA OF INTEREST - PRODUCTION EQUIPMENT**

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

**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PANNSYLVANIA**

Item Number	Location			Name/ Description	Dimensions/ Quantity (feet)	Contents	Suspected Constituents	Recommended Cleaning Task	PPE Concerns
	Building	Floor	Bay						
1	Main Plant	1	K5	Marvel Steel Saw	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
2	Main Plant	1	K5	Marvel Steel Saw	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
3	Main Plant	1	A Line Presses	A1 and A2 Danly Presses	1	Grease Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
4	Main Plant	1	B Line Presses	B1 and B3-B7 Danly Presses	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
5	Main Plant	1	G Line Presses	Press G1- USI/Clearing Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
6	Main Plant	1	G Line Presses	Press G2- USI/Clearing Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
7	Main Plant	1	G Line Presses	Press G3- USI/Clearing Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
8	Main Plant	1	Press Line	Press G4- USI/Clearing Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
9	Main Plant	1	Press Line	Press G5- USI/Clearing Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
10	Main Plant	1	G Line Presses	G Line Press Press G6- USI/Clearing Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
11	Main Plant	1	G Line Presses	Press G7- USI/Clearing Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
12	Main Plant	1	SP Press Line	SP1-SP4 Niagra Presses	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
13	Main Plant	1	SG Press Line	SG1-SG4 Niagra Presses	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.

**TABLE 3
AREA OF INTEREST - PRODUCTION EQUIPMENT**

**PRIVILEGED AND CONFIDENTIAL
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**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PANNSYLVANIA**

Item Number	Location			Name/ Description	Dimensions/ Quantity (feet)	Contents	Suspected Constituents	Recommended Cleaning Task	PPE Concerns
	Building	Floor	Bay						
14	Main Plant	1	H Press Line	H1-H5 Danley Presses	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
15	Main Plant	1	K Press Line	K3 & K4 Hamilton Presses K5 USI Clearing Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
16	Main Plant	1	N Press Line	N1 & N3-N5 Danley Presses N2 Hamilton Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
17	Main Plant	1	O Press Line	O1 & O2 Clearing Presses O3 Danley Press O4-O6 McCay Wilco Presses	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
18	Main Plant	1	C2	Ingersol Machine Rails	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
19	Main Plant	1	Die Storage	Die in Die Storage Area	1	Oil coated	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
20	Main Plant	1	Die Storage	Die in Die Storage Area	1	Oil coated	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
21	Main Plant	1	Die Storage	Die in Die Storage Area	1	Oil coated	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
22	Main Plant	1	Die Storage	Die in Die Storage Area	1	Oil coated	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
23	Main Plant	1	A5	Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
24	Main Plant	1	C3	Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.

**TABLE 3
AREA OF INTEREST - PRODUCTION EQUIPMENT**

**PRIVILEGED AND CONFIDENTIAL
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**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PANNSYLVANIA**

Item Number	Location			Name/ Description	Dimensions/ Quantity (feet)	Contents	Suspected Constituents	Recommended Cleaning Task	PPE Concerns
	Building	Floor	Bay						
25	Main Plant	1	A5	Wean Equipment Connect to Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
26	Main Plant	1	B Press Line	Press Line B2	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
27	Main Plant	1	A Press Line	A3 - A7 Hamilton Presses	5	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
28	Main Plant	1	B2	Lucas Boring Mill	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
29	Main Plant	1	BC2	Small Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
30	Main Plant	1	AF1	Carlton Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
31	Main Plant	1	D3	Spot Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
32	Main Plant	1	Equipment	Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
33	Main Plant	1	J3	Mill	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
34	Main Plant	1	J3	Lathe	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
35	Main Plant	1	H4	Surface Grinder	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
36	Main Plant	1	J4	Lathe	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
37	Main Plant	1	Die Storage	Old Jack Like Device	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
38	Main Plant	1	A9	Warren Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
39	Main Plant	Basement	A16	Equipment Oil Reservoir	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
40	Main Plant	1	C20	Prog 2 Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
41	Main Plant	1	F20	Prog 3 Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.

**TABLE 3
AREA OF INTEREST - PRODUCTION EQUIPMENT**

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**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PANNSYLVANIA**

Item Number	Location			Name/ Description	Dimensions/ Quantity (feet)	Contents	Suspected Constituents	Recommended Cleaning Task	PPE Concerns
	Building	Floor	Bay						
42	Main Plant	1	N3	Carlton Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
43	Main Plant	1	M3	Lathe	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
44	Main Plant	1	Equipment	Carlton Drill Press RD-1	1	Oil Grease	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
45	Main Plant	1	K4	Drill Sharpener	1	Oil Coolant	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
46	Main Plant	1	K4	EDM1 Wire Welder	1	Oil	PCBs, metals	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
47	Main Plant	1	D4	Carlton Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
48	Main Plant	1	C4	Carlton Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
49	Main Plant	1	B3	Ingersol Rand Press	1	Oil Grease	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
50	Main Plant	1	B2	Aercology Filter	1	Oil	PCBs, metals	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
51	Main Plant	1	C3	Mattison Grinder	1	Oil	PCBs, metals	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
52	Main Plant	1	C3	Blanchard Grinder	1	Oil	PCBs, metals	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
53	Main Plant	1	C3	Surface Grinder	1	Oil	PCBs, metals	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
54	Main Plant	1	C1	Knee Grinder	1	Oil Coolant Grease	PCBs, metals	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
55	Main Plant	1	D1	Carlton Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
56	Main Plant	1	E7	Carlton Drill Press	1	Oil		Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
57	Main Plant	1	F3	Carlton Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
58	Main Plant	1	G3	Carlton Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.

**TABLE 3
AREA OF INTEREST - PRODUCTION EQUIPMENT**

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**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PANNSYLVANIA**

Item Number	Location			Name/ Description	Dimensions/ Quantity (feet)	Contents	Suspected Constituents	Recommended Cleaning Task	PPE Concerns
	Building	Floor	Bay						
59	Main Plant	1	L3	Carlton Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
60	Main Plant	1	Q3	Rockwell Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
61	Main Plant	1	E3	Knee Grinder	1	Oil Coolant Grease	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
62	Main Plant	1	E3	Carlton Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
63	Main Plant	1	C3	Clearing Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
64	Main Plant	1	C4	Drill Sharpener	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
65	Main Plant	1	G4	Cincinnati Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
66	Main Plant	1	J4	Brown Sharp Surface Grinder	1	Oil	PCBs, metals	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
67	Main Plant	1	J4	Do-All Saw	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
68	Main Plant	1	J4	Okuma Mill	1	Oil Coolant	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
69	Main Plant	1	K4	EDM#2 Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
70	Main Plant	1	AF7	Danly Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
71	Main Plant	1	B7-G7	Die Racks	7	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
72	Main Plant	1	B8-G8	Die Racks	7	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
73	Main Plant	1	AF10	McKay Warco Perss	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
74	Main Plant	1	B11	Stock Turnover Flopper	1	Oil Grease	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
75	Main Plant	1	B11-G11	Die Racks	8	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.

**TABLE 3
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**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PANNSYLVANIA**

Item Number	Location			Name/ Description	Dimensions/ Quantity (feet)	Contents	Suspected Constituents	Recommended Cleaning Task	PPE Concerns
	Building	Floor	Bay						
76	Main Plant	1	B15-G15	Die Racks	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
77	Main Plant	1	AF17	Prog 1 Danly Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
78	Main Plant	1	AF18	Niagra Sheer	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
79	Main Plant	1	B18-E18	Die Racks	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
80	Main Plant	1	L19	Laser	1	NA	NA	Clean/drain as per Reference Letter 56	Dermal exposure.
81	Main Plant	1	M20	Laser	1	NA	NA	Clean/drain as per Reference Letter 56	Dermal exposure.
82	Main Plant	1	B20-F20	Die Racks	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
83	Die Storage	1	NA	Clearing Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
84	Die Storage	1	NA	Cincinnati Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
85	Die Storage	1	NA	Misc Equipment	5	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
86	Rack Storage Building	1	NA	Wolverine Mill	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
87	Rack Storage Building	1	NA	Lathe	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
88	Rack Storage Building	1	NA	Horizonatal Band Saw	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
89	Main Plant	1	K4	Drill Bit Sharpener	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
90	Main Plant	1	M4	Cincinnati Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
91	Main Plant	1	N4	Band Saw	1	Coolant Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
92	Main Plant	1	N4	Scotchman Break	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
93	Main Plant	1	Throughout	Torit Welder Dust Collector	1	Weld Dust	PCBs, metals	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.

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GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PANNSYLVANIA

Item Number	Location			Name/ Description	Dimensions/ Quantity (feet)	Contents	Suspected Constituents	Recommended Cleaning Task	PPE Concerns
	Building	Floor	Bay						
94	Main Plant	1	Throughout	Torit Air Filters	1	Weld Dust	PCBs, metals	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
95	Main Plant	Basement	E17	Cincinnati Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
96	Main Plant	Basement	E17	Niagra Ram Assembly	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
97	Main Plant	Basement	E17	Do-All Drill Press	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
98	Main Plant	Basement	E17	Niagra Ram Assembly	1	Oil	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.
99	Main Plant	Basement	Throughout	Press Line Conveyor	1600 feet	Oil and Grease	PCBs	Clean/drain as per Reference Letter 56	Chemical and dermal exposure.

Notes:

NA = Not applicable

Reference Letter 56 = General Motors Corporation Operational Reference Letter 56: Environmental Requirements for Equipment Decommissioning.

PCBs = Polychlorinated biphenyls

**TABLE 4
LABORATORY ANALYTICAL RESULTS**

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

**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item Number	Location		Sample Location Description	Material/Item Sampled	Suspected Constituent for Analysis	Sample Designation	Detected Concentrations
	Floor	Bay/Area					
1	1	G2	Southeast of Column G2, next to Carlton	Wood Block	PCBs	PITG2 (082107) WB	PCBs = 1,100 ug/kg Arochlor 1254
2	1	B2	15 Feet South of Column B2, Near Former Milling Machines	Wood Block	PCBs	PITB2 (082107) WB	PCBs = 1,000 ug/kg Arochlor 1254
3	1	A5	15 Feet West of Column B6, Next to Large Press	Wood Block	PCBs	PITA5 (082107) WB	PCBs = ND ¹
4	1	A12	6 Feet Southeast of Column A13	Wood Block	PCBs	PITA12 (082107) WB	PCBs = ND ¹
5	1	A18	28 Feet Southeast of Column A19	Wood Block	PCBs	PITA18 (082107) WB	PCBs = ND ¹
6	1	T23	10 Feet Southeast of Column T24	Wood Block	PCBs and RCRA Metals	PITT23 (082107) WB	PCBs = ND ¹ RCRA Metals: As = 3.81 mg/kg, Ba = 128 mg/kg, Cd = 7.24 mg/kg, Cr = 261 mg/kg, Pb = 1,220 mg/kg, Hg = 0.076 mg/kg, Se =ND, Ag = 1.84 mg/kg
7	1	O14	10 Feet from Column O14	Wood Block	PCBs	PITO14 (082107) WB	PCBs = 2,800 ug/kg Arochlor 1254
8	1	T2	3 Feet South of Column T3	Wood Block	PCBs	PITT2 (082107) WB	PCBs = ND ¹
9	1	N4	8 Feet Northwest of Column O4	Wood Block	PCBs	PITN4 (082107) WB	PCBs = ND
10	1	M3	5 Feet Northeast of Column M3	Wood Block	PCBs	PITM3 (082107) WB	PCBs = 1,000 ug/kg Arochlor 1254
11	1	J3	20 Feet North of Column J3	Wood Block	PCBs	PITJ3 (082107) WB	PCBs = ND

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**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item Number	Location		Sample Location Description	Material/Item Sampled	Suspected Constituent for Analysis	Sample Designation	Detected Concentrations
	Floor	Bay/Area					
12	1	G9	20 Feet Southwest of Column H10, Green Paint	Wood Block	PCBs and RCRA Metals	PITG9 (082107) WB	PCBs = ND, RCRA Metals: As = 0.92 mg/kg, Ba = 169 mg/kg, Cd = 2.67 mg/kg, Cr = 35.2 mg/kg, Pb = 1,900 mg/kg, Hg = 0.063 mg/kg, Se = ND, Ag = 0.28 mg/kg
13	1	E15	20 Feet Northeast of Column E15, Next to K5 Press	Wood Block	PCBs	PITE15 (082207) WB	PCBs = ND
14	1	B19	30 Feet Southeast of Column B20	Wood Block	PCBs	PITB19 (082207) WB	PCBs = ND
15	1	E10	Next to Hallway	Wood Block	PCBs	PITE10 (082207) WB	PCBs = ND
16	1	K11	20 Feet East of Column K11	Wood Block	PCBs	PITK11 (082207) WB	PCBs = ND
17	1	K15	10 Feet Southeast of Column K16	Wood Block	PCBs	PITK15 (082207) WB	PCBs = ND
18	1	M19	15 Feet Northeast of Column M19	Wood Block	PCBs	PITM19 (082207) WB	PCBs = 1,400 ug/kg Arochlor 1254
19	1	O20	15 Feet West of Column P21	Wood Block	PCBs	PITO20 (082207) WB	PCBs = ND ¹
20	1	B6	35 Feet East of Column B6, Next to Die Machine	Wood Block	PCBs	PITB6 (082207) WB	PCBs = ND
21	Basement	D8	10 Feet North of Column D8, Next to Trench	Concrete	PCBs	PITD8-B (082207) CC	PCBs = ND
22	Basement	D10	8 Feet South of Column D10, Next to Sump	Concrete	PCBs	PITD10-B (082207) CC	PCBs = ND ¹
23	1	A5	Die Wash Booth on Far West Plant Floor	Concrete	PCBs	PITA5 (082207) CC	PCBs = ND
24	1	F10	Wash Booth Near Aisle	Concrete	PCBs	PITF10 (082207) CC	PCBs = ND
25	Basement	B6	Near Former PCB Transformers in Basement	Concrete	PCBs	PITSUB1 (082207) CC	PCBs = 5,500 ug/kg Arochlor 1260

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**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item Number	Location		Sample Location Description	Material/Item Sampled	Suspected Constituent for Analysis	Sample Designation	Detected Concentrations
	Floor	Bay/Area					
26	Basement	B13	Near Old Transformer	Concrete	PCBs	PITSUB2 (082207) CC	PCBs = 3,000 ug/kg Arochlor 1260
27	Basement	C20	5 Feet South of Column C20	Concrete	PCBs	PITC20-B (082207) CC	PCBs = ND
28	Basement	E19	3 Feet South of E19	Concrete	PCBs	PITE19-1-B (082207) CC	PCBs = ND
29	Basement	E16	1 Foot East of Column E16	Concrete	PCBs	PITE16-B (082207) CC	PCBs = ND
30	Basement	C13	3 Feet South of Column C13	Concrete	PCBs	PITC13-B (082207) CC	PCBs = 1,000 ug/kg Arochlor 1254
31	Basement	C6	1 Foot North of Column C6	Concrete	PCBs	PITC6-B (082207) CC	PCBs = ND ¹
32	Basement	A3	6 Feet South of Column A3, Next to Main Sump	Concrete	PCBs	PITA3-B (082207) CC	PCBs = ND ¹
33	Basement	D18	5 Feet South of Column D18, Conveyor Trench Next to Sump	Concrete	PCBs	PITD18-B (082307) CC	PCBs = ND
34	Basement	C15	Next to Sump in Trench, Across from Column C15	Concrete	PCBs	PITC15-2-B (082307) CC	PCBs = ND
35	Basement	D10	Next to Main Sump in Trench	Concrete	PCBs	PITD10-B (082307) CC	PCBs = ND ¹
36	Basement	Bailer	In Bailer Pit	Concrete	PCBs	PITBAILER (082307) CC	PCBs = ND
37	1	T25	Near Battery Wash Station	Concrete	PCBs	PITT25 (082307) CC	PCBs = ND ¹
38	1	K5	Sump	Sediment	PCBs	PITK5 (082307) SD	PCBs = ND ¹
39	1	B6	Breaker Sitting in Panel on the Floor	Oil	PCBs	PITSUB1BREAKER (082207) NL	PCBs = 1,000 ug/kg Arochlor 1254
40	1	K21	Cafeteria Elevator	Oil	PCBs	PITCAFELV (082207) NL	PCBs = ND
41	1	K5	Marvel Steel Saw, Near Column K5	Oil	PCBs and RCRA Metals	PIT-O3501 (082307) NL	PCBs = ND, RCRA Metals: As = 2.26 mg/kg, Ba = 79.2 mg/kg, Cd = ND, Cr = 6.6 mg/kg, Pb = 3.1 mg/kg, Hg = ND, Se = 0.48 mg/kg, Ag = ND

**TABLE 4
LABORATORY ANALYTICAL RESULTS**

*PRIVILEGED AND CONFIDENTIAL
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**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item Number	Location		Sample Location Description	Material/Item Sampled	Suspected Constituent for Analysis	Sample Designation	Detected Concentrations
	Floor	Bay/Area					
42	1	K5	Marvel Steel Saw, Near Column K5	Oil	PCBs and RCRA Metals	PIT-03500 (082307) NL	PCBs = ND, RCRA Metals: As = ND, Ba = 2.4 mg/kg, Cd = 5.27 mg/kg, Cr = 1.7 mg/kg, Pb = 2.9 mg/kg, Hg = ND, Se = ND, Ag = ND
43	Basement	B6	Press Line A	Oil (Sampled Composite Oil of A1 and A2 Press Lines)	PCBs	PITA1PRESS (082407) NL PITA2PRESS (082407) NL	PCBs = ND
44	1	B7	Press Line B	Oil (Sampled Composite Oil of B1 and B3 through B7 Press Lines)	PCBs	PITB1PRESS (082407) NL PITB3PRESS (082407) NL PITB4PRESS (082407) NL PITB5PRESS (082407) NL PITB6PRESS (082407) NL PITB7PRESS (082407) NL	PCBs = ND
45	1	B12	Press Line G1	Oil	PCBs	PITG1PRESS (082407) NL	PCBs = ND
46	1	C12	Press Line G2	Oil	PCBs	PITG2PRESS (082407) NL	PCBs = ND
47	1	D12	Press Line G3	Oil	PCBs	PITG3PRESS (082407) NL	PCBs = ND ¹
48	1	E12	Press Line G4	Oil	PCBs	PITG4PRESS (082407) NL	PCBs = ND
49	1	E12	Press Line G5	Oil	PCBs	PITG5PRESS (082507) NL	PCBs = ND
50	1	F12	Press Line G6	Oil	PCBs	PITG6PRESS (082507) NL	PCBs = ND
51	1	F12	Press Line G7	Oil	PCBs	PITG7PRESS (082507) NL	PCBs = ND
52	1	M19	Press Line SP	Oil (Sampled Composite Oil of Press Lines SP1 through SP4)	PCBs	PITSP1PRESS (082407) NL PITSP2PRESS (082407) NL PITSP3PRESS (082407) NL PITSP4PRESS (082407) NL	PCBs = ND
53	1	N19	Press Line SG	Oil (Sampled Composite Oil of Press Lines SG1 through SG4)	PCBs	PITSG1PRESS (082407) NL PITSG2PRESS (082407) NL PITSG3PRESS (082407) NL PITSG4PRESS (082407) NL	PCBs = ND
54	Basement	D6	Sump B	Oil	PCBs	PITASUMP-B (082707) NL	PCBs = ND ¹

**TABLE 4
LABORATORY ANALYTICAL RESULTS**

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**FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item Number	Location		Sample Location Description	Material/Item Sampled	Suspected Constituent for Analysis	Sample Designation	Detected Concentrations
	Floor	Bay/Area					
55	1	B13	Press Line H	Oil (Sampled Composite Oil of Press Lines H1 through H5)	PCBs	PITH1PRESS (082707) NL PITH2PRESS (082707) NL PITH3PRESS (082707) NL PITH4PRESS (082707) NL PITH5PRESS (082707) NL	PCBs = ND
56	1	B15	Press Line K	Oil (Sampled Composite Oil of Press Lines K3 through K5)	PCBs	PITK3PRESS (082707) NL PITK4PRESS (082707) NL	PCBs = 1,000 ug/kg Arochlor 1254
57	1	B15	Press Line K	Oil	PCBs	PITK5PRESS (082707) NL	PCBs = ND
58	1	B18	Press Line N	Oil (Sampled Composite Oil of Press Lines N1 through N5)	PCBs	PITN1PRESS (082707) NL PITN3PRESS (082707) NL	PCBs = ND
59	1	C18	Press Line N	Oil (Sampled Composite Oil of Press Lines N1 through N5)	PCBs	PITN2PRESS (082707) NL PITN4PRESS (082707) NL PITN5PRESS (082707) NL	PCBs = 5,500 ug/kg Arochlor 1254
60	1	B19	Press Line O	Oil (Sampled Composite Oil of Press Line O1 through O6)	PCBs	PITO1PRESS (082707) NL PITO2PRESS (082707) NL PITO4PRESS (082707) NL PITO5PRESS (082707) NL PITO6PRESS (082707) NL	PCBs = ND
61	1	B19	Press Line O	Oil (Sampled Composite Oil of Press Line O1 through O6)	PCBs	PITO3PRESS (082707) NL	PCBs = ND
62	1	C2	Column C2, Ingersol Machine	Oil	PCBs	PITA03466 (082707) NL	PCBs = ND, RCRA Metals: As = ND, Ba = ND, Cd = ND, Cr = ND, Pb = 11.9 mg/kg, Hg = ND, Se = ND, Ag = ND
63	1	Die Storage Area	Die	Oily Residue	PCBs	PIT85-36058 (082307) WP	PCBs = ND
64	1	Die Storage Area	Die	Oily Residue	PCBs	PIT85-36056 (082307) WP	PCBs = ND
65	1	Die Storage Area	Die	Oily Residue	PCBs	PIT85-36060 (082307) WP	PCBs = ND
66	1	Die Storage Area	Die	Oily Residue	PCBs	PIT77-23510 (082307) WP	PCBs = ND
67	1	B2	B Line Rail at Crane Top	Oily Residue	PCBs	PITBCRANERAIL (082707) WP	PCBs = ND

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PITTSBURGH METAL CENTER
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Item Number	Location		Sample Location Description	Material/Item Sampled	Suspected Constituent for Analysis	Sample Designation	Detected Concentrations
	Floor	Bay/Area					
68	1	AD2	Main Part of Crane Top, AB Crane	Oily Residue	PCBs	PITCRANEHEAD (082707) WP	PCBs = ND
69	1	H8	Next to Rafter	Oily Residue	PCBs	PITH8TRUSS (082707) WP	PCBs = 1 ug/100 cm ²
70	1	H19	Next to Rafter	Oily Residue	PCBs	PITH19TRUSS (082707) WP	PCBs = ND
71	1	P20	Next to Rafter, Above Black Box	Oily Residue	PCBs	PITP20TRUSS (082707) WP	PCBs = ND ¹
72	1	L10	Old Painted Area	Oily Residue	PCBs	PITL10TRUSS (082707) WP	PCBs = ND
73	Basement	B6	Truss Above Bailer Pit	Oily Residue	PCBs	PITB6-BTRUSS (082707) WP	PCBs = ND
74	Basement	F9	Elevator Rafter	Oily Residue	PCBs	PITF9-BTRUSS (082707) WP	PCBs = 2.8 ug/100 cm ² Arochlor 1254
75	Basement	C16-1	Rafter, Near Open Hole to Plant Floor	Oily Residue	PCBs	PITC16-1-BTRUSS (082707) WP	PCBs = 3.3 ug/100 cm ² Arochlor 1254
76	Basement	E21-2	Truss	Oily Residue	PCBs	PITE21-2-BTRUSS (082707) WP	PCBs = ND
77	1	A5	Press	Oily Residue	PCBs	PITA05502 (082707) WP	PCBs = ND ¹
78	1	C3	Press	Oily Residue	PCBs	PITC3SPOTPRESS (082707) WP	PCBs = 1.8 ug/100 cm ² Arochlor 1254
79	1	A5	Wean Equipment Connected to Press	Sludge	PCBs	PITA03018 (082707) SL	PCBs = ND ¹ RCRA Metals: As = 3.34 mg/kg, Ba = 94 mg/kg, Cd = 53.6 mg/kg, Cr = 35.2 mg/kg, Pb = 998 mg/kg, Hg = 1.515 mg/kg, Se = 0.71 mg/kg, Ag = 1.45 mg/kg

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Item Number	Location		Sample Location Description	Material/Item Sampled	Suspected Constituent for Analysis	Sample Designation	Detected Concentrations
	Floor	Bay/Area					
80	1	North Side of Track 3	Manhole	Sludge	PCBs and RCRA Metals	PITMANHOLE (082707) SL	PCBs = 11,000 ug/kg Arochlor 1254, RCRA Metals: As = 9.94 mg/kg, Ba = 246 mg/kg, Cd = 18.4 mg/kg, Cr = 139 mg/kg, Pb = 557 mg/kg, Hg = 0.586 mg/kg, Se = 2.38 mg/kg, Ag = 0.71 mg/kg
81	1	M21	Sump	Sludge	PCBs	PITM21SUMP (082407) SL	PCBs = 900 ug/kg Arochlor 1254
82	1	B2	Press Line	Sludge	PCBs	PITB2PRESS (082407) SL	PCBs = ND
83	1	L28	Trench that Leads to Sump in Die Storage Area	Sludge	PCBs	PITL28 (082307) SL	PCBs = ND
84	1	D6	Press Line	Sludge Composite of Press Lines A3 through A7	PCBs	PITA3PRESS (082407) SL PITA4PRESS (082407) SL PITA5PRESS (082407) SL PITA6PRESS (082407) SL PITA7PRESS (082407) SL	PCBs = 800 ug/kg Arochlor 1254
85	1	West Side of Building	Exterior Siding	Building Material	PCBs	PITBCONV (082307) BM	PCBs = ND ¹
86	1	Track 4	Track 4	Ties	PCBs	PITTRACK4 (082307) SD (3 part composite sample)	PCBs = ND
87	1	A4	Trench, Die Wash Booth on West Side	Sediment	PCBs	PITA4SUMP (082407) SD	PCBs = 400 ug/kg Arochlor 1254
88	1	J4	Pit	Sediment	PCBs	PITJ4SUMP (082407) SD	PCBs = 700 ug/kg Arochlor 1254
89	1	F9	Die Wash Booth	Sediment	PCBs	PITF9SUMP (082407) SD	PCBs = 700 ug/kg Arochlor 1254
90	1	T25	Truck Repair Wash Booth	Sediment	PCBs	PITT25SUMP (082807) SD	PCBs = 1,800 ug/kg

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Item Number	Location		Sample Location Description	Material/Item Sampled	Suspected Constituent for Analysis	Sample Designation	Detected Concentrations
	Floor	Bay/Area					
91	1	Powerhouse	Composite of 3 Seeps Coming Through Powerhouse South Wall	Sludge	PCBs	PITPHSEEPS (082807)	PCBs = 700 ug/kg Arochlor 1254
92	1	Equipment	Compressor in Powerhouse	Oil	PCBs and RCRA Metals	PITA04519-PH (082807) NL	PCBs = ND, RCRA Metals = ND
93	1	Track 3	Track 3 (East Side)	Ties	PCBs	PITTRACK3 (082807) SD	PCBs = ND
94	1	Track 5	Track 5	Ties	PCBs	PITTRACK5 (082807) SD	PCBs = ND ¹
95	1	A2	Ingersol Machine, At Rail Edge Where Oil Accumulates	Oily Residue	PCBs	PITA2INGERSOL (082807) WP	PCBs = ND
96	1	B2	Lucas Boring Mill	Sludge	PCBs and RCRA Metals	PITA03438 (082807) SL	PCBs = ND, RCRA Metals: As = 5.94 mg/kg, Ba = 30.3 mg/kg, Cd = 2.76 mg/kg, Cr = 153 mg/kg, Pb = 47.5 mg/kg, Hg = 0.050 mg/kg, Se = ND, Ag = 0.35 mg/kg
97	1	C2	Small Press	Sludge	PCBs and RCRA Metals	PITA03557 (082807) SL	PCBs = ND, RCRA Metals: As = 9.45 mg/kg, Ba = 120 mg/kg, Cd = 0.92 mg/kg, Cr = 562 mg/kg, Pb = 505 mg/kg, Hg = ND, Se = ND, Ag = 0.78 mg/kg
98	1	AF1	Carlton Drill Press	Oil	PCBs and RCRA Metals	PITA03463 (082807) NL	PCBs = 1,000 ug/kg Arochlor 1254, RCRA Metals: As = ND, Ba = 1.1 mg/kg, Cd = ND, Cr = 1.2 mg/kg, Pb = 3.7 mg/kg, Hg = ND, Se = ND, Ag = ND

**TABLE 4
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PITTSBURGH METAL CENTER
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Item Number	Location		Sample Location Description	Material/Item Sampled	Suspected Constituent for Analysis	Sample Designation	Detected Concentrations
	Floor	Bay/Area					
99	1	D3	Spot Press	Sludge	PCBs and RCRA Metals	PITD35POTPRESS (082807) SL	PCBs = ND, RCRA Metals: As = 9.25 mg/kg, Ba = 609 mg/kg, Cd = 10 mg/kg, Cr = 1,000 mg/kg, Pb = 1,680 mg/kg, Hg = 0.078 mg/kg, Se = 0.61 mg/kg, Ag = 2.07 mg/kg
100	1	E3	Drill Press	Oily Residue	PCBs	PITA03314 (082807) WP	PCBs = ND
101	1	J3	Mill	Oil	PCBs and RCRA Metals	PITA03569 (082807) NL	PCBs = ND, RCRA Metals: As = 0.10 mg/kg, Ba = 9.1 mg/kg, Cd = 0.60 mg/kg, Cr = 6.4 mg/kg, Pb = 8.9 mg/kg, Hg = ND, Se = ND, Ag = ND
102	1	J3	Lathe	Sludge	PCBs and RCRA Metals	PITA03564 (082807) SL	PCBs = ND, RCRA Metals: As = 8.49 mg/kg, Ba = 9.5 mg/kg, Cd = 1.42 mg/kg, Cr = 257 mg/kg, Pb = 1,440 mg/kg, Hg = 0.085 mg/kg, Se = 0.45 mg/kg, Ag = 4.24 mg/kg

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Item Number	Location		Sample Location Description	Material/Item Sampled	Suspected Constituent for Analysis	Sample Designation	Detected Concentrations
	Floor	Bay/Area					
103	1	H4	Surface Grinder	Oil	PCBs and RCRA Metals	PITA03585 (082807) NL	PCBs = ND, RCRA Metals: As = 0.20 mg/kg, Ba = 1.5 mg/kg, Cd = 0.84 mg/kg, Cr = 12.1 mg/kg, Pb = 7.8 mg/kg, Hg = ND, Se = ND, Ag = 0.11 mg/kg
104	1	J4	Lathe	Oil	PCBs and RCRA Metals	PITA03602 (082807) NL	PCBs = ND, RCRA Metals: As = ND, Ba = ND, Cd = ND, Cr = ND, Pb = 2.0 mg/kg, Hg = ND, Se = ND, Ag = ND
105	1	Die Storage Area	old jack like device	Oily Residue	PCBs	PITA04152 (082807) WP	PCBs = ND ¹
106	1	A9	Warren Press	Oil	PCBs and RCRA Metals	PITA03232 (082907) NL	PCBs = ND, RCRA Metals: As = ND, Ba = 4.5 mg/kg, Cd = ND, Cr = ND, Pb = ND, Pb = ND, Hg = ND, Se = ND, Ag = ND
107	Basement	A16	Reservoir	Oil	PCBs and RCRA Metals	PITA05503 (082907) NL	PCBs = ND, RCRA Metals = ND
108	1	C20	Equipment	Oily Residue	PCBs	PITC20PROG2 (082907) NL	PCBs = ND
109	1	E20	Equipment	Oily Residue	PCBs	PITE20PROG3 (082907) WP	PCBs = ND
110	1	N3	Carlton Drill Press	Oil	PCBs and RCRA Metals	PITA03440 (082907) NL	PCBs = ND, RCRA Metals: As = 0.11 mg/kg, Ba = 38.4 mg/kg, Cd = 2.03 mg/kg, Cr = 1.5 mg/kg, Pb = 39.3 mg/kg, Hg = ND, Se = ND, Ag = ND

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GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA**

Item Number	Location		Sample Location Description	Material/Item Sampled	Suspected Constituent for Analysis	Sample Designation	Detected Concentrations
	Floor	Bay/Area					
111	1	M3	Lathe	Sludge	PCBs and RCRA Metals	PITA03549 (082907) SL	PCBs = ND ¹ , RCRA Metals: As = 8.83 mg/kg, Ba = 187 mg/kg, Cd = 15.7 mg/kg, Cr = 70.9 mg/kg, Pb = 286 mg/kg, Hg = ND, Se = 1.53 mg/kg, Ag = 5.15 mg/kg
112	1	M2	Carlton Drill Press RD-1	Oily Residue	PCBs	PITA03543 (082907) WP	PCBs = ND
113	1	K4	Drill Sharpener	Oil	PCBs and RCRA Metals	PITA03591 (082907) NL	PCBs = ND, RCRA Metals: As = ND, Ba = ND, Cd = ND, Cr = 4.0 mg/kg, Pb = ND, Hg = ND, Se = ND, Ag = ND
114	1	K4	EDM1	Oily Residue	PCBs	PITA05954 (082907) WP	PCBs = ND
115	1	D4	Carlton Drill Press	Oily Residue	PCBs	PITA03304 (082907) WP	PCBs = ND
116	1	C4	Carlton Drill Press	Oily Residue	PCBs	PITA03431 (082907) WP	PCBs = ND
117	1	T21	Sump	Sediment	PCBs	PITT21SUMP(082807) SD	PCBs = 2,400 mg/kg Arochlor 1254

Notes:

¹ = Arochlor 1254 estimated value less than reported limit but greater than method

² = Samples collected by ARCADIS BBL August 20 through 29, 2007 and submitted to Merit Laboratories, Inc. of East Lansing, Michigan.

NA = Not applicable

ND = Not Detected

PCB = Polychlorinated Biphenyl

RCRA Metals = Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium and Silver

SW = Wipe Sample

SD = Solid Sample

SL = Sludge

NL = Oil

CC = Concrete Core

BM = Building Material

WB = Wood Block

TABLE 5
SUMMARY OF APPLICABLE FEDERAL ENVIRONMENTAL REGULATIONS

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FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA

Regulatory Citation, Section Number	Section Title	Site Applicability
29 CFR Part 1926 - Safety and Health Regulations for Construction		
1926	General Occupational Safety and Health Administration (OSHA) requirements.	General safety and health provisions for workers, occupational health and environmental controls and personal protective equipment.
1926.62	Lead	Applies to all construction work where an employee may be occupationally exposed to lead. Construction work includes demolition.
1926.1101	Asbestos	Regulates asbestos exposure in all work including demolition or salvage of structures where asbestos is present
40 CFR Part 112 - Oil Pollution Prevention		
112.1	General Applicability	Use and storage of oil and oil products; presence of ASTs
112.3	Requirement to prepare and implement a Spill Prevention Control and Countermeasure Plan (SPCC)	Required at Site based upon general applicability
112.4	Amendment of Spill Prevention, Control, and Countermeasure Plan by Regional Administrator	Required if release of >1000 gallons in single event; >42 gallons in each of two events
112.5	Amendment of Spill Prevention, Control, and Countermeasure Plan by owners or operators	Change in facility design, construction, operation or maintenance; or every 5 years
112.7	General requirements for Spill Prevention, Control, and Countermeasure Plans	Prepared in accordance with good engineering practices; full management approval
112.8	Spill Prevention, Control, and Countermeasure Plan requirements for onshore facilities (excluding production facilities)	Designated onshore facility; secondary containment required; monthly inspection requirements

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Regulatory Citation, Section Number	Section Title	Site Applicability
40 CFR Part 262 - Standards Applicable to Generators of Hazardous Waste		
262.10	Purpose, scope, and applicability	Site is a RCRA Small Quantity Generator
262.11	Hazardous waste determination	Site generates wastes
262.12	EPA identification numbers (EPA ID)	Site EPA ID: PAD000800490
262.20	General requirements for manifests	Site must prepare a manifest for every shipment of hazardous waste
262.21	Manifest tracking numbers, manifest printing, and obtaining manifests	Site must assign a manifest tracking number; use of a state manifest
262.22	Number of copies	Manifest must have copies for generator, each transporter and designated facility, with another copy to be returned to generator
262.23	Use of the manifest	Site and initial transporter must sign manifest, generator retains copy; remaining copies received by transporter
262.27	Waste minimization certification	Site must make a certification of waste minimization
262.30	Packaging	Waste must be packaged according to DOT regulations under 49 CFR 173, 178 & 179
262.31	Labeling	Waste must be labeled according to DOT regulations under 49 CFR 172
262.32	Marking	Waste must be marked according to DOT regulations under 49 CFR 172
262.33	Placarding	Site must placard or offer placards to transporter before shipping hazardous waste
262.34	Accumulation time	Site can accumulate waste for 90 days or less; employee training; personnel available in the event of a hazardous waste emergency
262.40	Recordkeeping	Site must keep manifests for at least three years
262.42	Exception reporting	If the Site does not receive a signed copy of the manifest from the designated facility within 60 days, a copy of the manifest with an indication that a copy has not been received from the designated facility has to be submitted to the Regional EPA administrator
262.43	Additional reporting	EPA administrator can request additional information about waste from generator
262.44	Special requirements for generators of between 100 and 1000 kg/mo	Site subject to 262.40, 262.42 and 262.43 requirements

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Regulatory Citation, Section Number	Section Title	Site Applicability
40 CFR Part 264 - Subparts C (Preparedness and Prevention) and D (Contingency Plan and Emergency Procedures)		
264.32	Required equipment	Site has radios, a public address system, emergency phones and in-plant phones to call Security in the event of an incident
264.33	Testing and maintenance of equipment	Inspections conducted monthly at the Site
264.34	Access to communications or alarm system	Site has radios, a public address system, emergency phones and in-plant phones to call Security in the event of an incident
264.35	Required aisle space	Site must have aisle space to move emergency equipment and personnel
264.37	Arrangements with local authorities	Site has sent copies of plan to fire department, sewer authority, and state and local emergency teams
264.51	Purpose and implementation of contingency plan	Site has designed contingency plan to minimize hazards to human health and the environment from releases
264.52	Content of contingency plan	Since the Site has an SPCC plan, that plan has been amended to incorporate hazardous waste management provisions
264.53	Copies of contingency plan	Maintained at the Site, and sent to fire department, sewer authority, and state and local emergency teams
264.54	Amendment of contingency plan	Amended when the plan has failed, the facility permit has been revised, or the facility has changed (emergency coordinator or equipment)
264.55	Emergency coordinator	Site has an emergency coordinator available at all times
264.56	Emergency procedures	Site has emergency procedures identified in contingency plan
40 CFR Part 265 - Subparts C (Preparedness and Prevention) and D (Contingency Plan and Emergency Procedures)		
265.32	Required equipment	Site has radios, a public address system, emergency phones and in-plant phones to call Security in the event of an incident
265.33	Testing and maintenance of equipment	Inspections conducted monthly at the Site
265.34	Access to communications or alarm system	Site has radios, a public address system, emergency phones and in-plant phones to call Security in the event of an incident
265.35	Required aisle space	Site must have aisle space to move emergency equipment and personnel
265.37	Arrangements with local authorities	Site has sent copies of plan to fire department, sewer authority, and state and local emergency teams

TABLE 5
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WEST MIFFLIN, PENNSYLVANIA

Regulatory Citation, Section Number	Section Title	Site Applicability
265.52	Content of contingency plan	Since the Site has an SPCC plan, that plan has been amended to incorporate hazardous waste management provisions
265.54	Amendment of contingency plan	Amended when the plan has failed, the facility permit has been revised, or the facility has changed (emergency coordinator or equipment)
265.55	Emergency coordinator	Site has an emergency coordinator available at all times
265.56	Emergency procedures	Site has emergency procedures identified in contingency plan
40 CFR Part 268 - Land Disposal Restrictions		
268.7	Testing, tracking, and recordkeeping requirements for generators, treaters, and disposal facilities	Site has to determine if the waste has to be treated before it can be land disposed
268.34	Waste specific prohibitions—toxicity characteristic metal wastes	Site prohibited from disposing lead contaminated wastes
268.5	Prohibitions on storage of restricted wastes	Site prohibited from storing restricted wastes unless certain conditions are met
40 CFR Part 273 - Standards for Universal Waste Management		
273.10	Applicability	Site is a small quantity handler of universal waste
273.11	Prohibitions	Prohibited from disposing, diluting, or treating universal waste
273.12	Notification	Not required to notify EPA about universal waste handling activities
273.13	Waste management	Addresses batteries, mercury-containing equipment, and lamps
273.14	Labeling/Marking	Must be labeled with type of universal waste (batteries, lamps)
273.15	Accumulation time limits	Can be accumulated up to one year from time of generation
273.16	Employee training	Employees handling universal waste must be trained in emergency procedures and proper handling
273.17	Response to releases	Releases must be immediately contained, determine whether any material resulting from the release is hazardous waste
273.18	Off-site shipments	Universal waste must be shipped to a universal waste handler
273.19	Tracking universal waste shipments	Not required to keep records of universal waste shipments
40 CFR Part 279 - Standards for the Management of Used Oil		
279.52	General facility standards	Requirements similar to CFR Parts 264 and 265

TABLE 5
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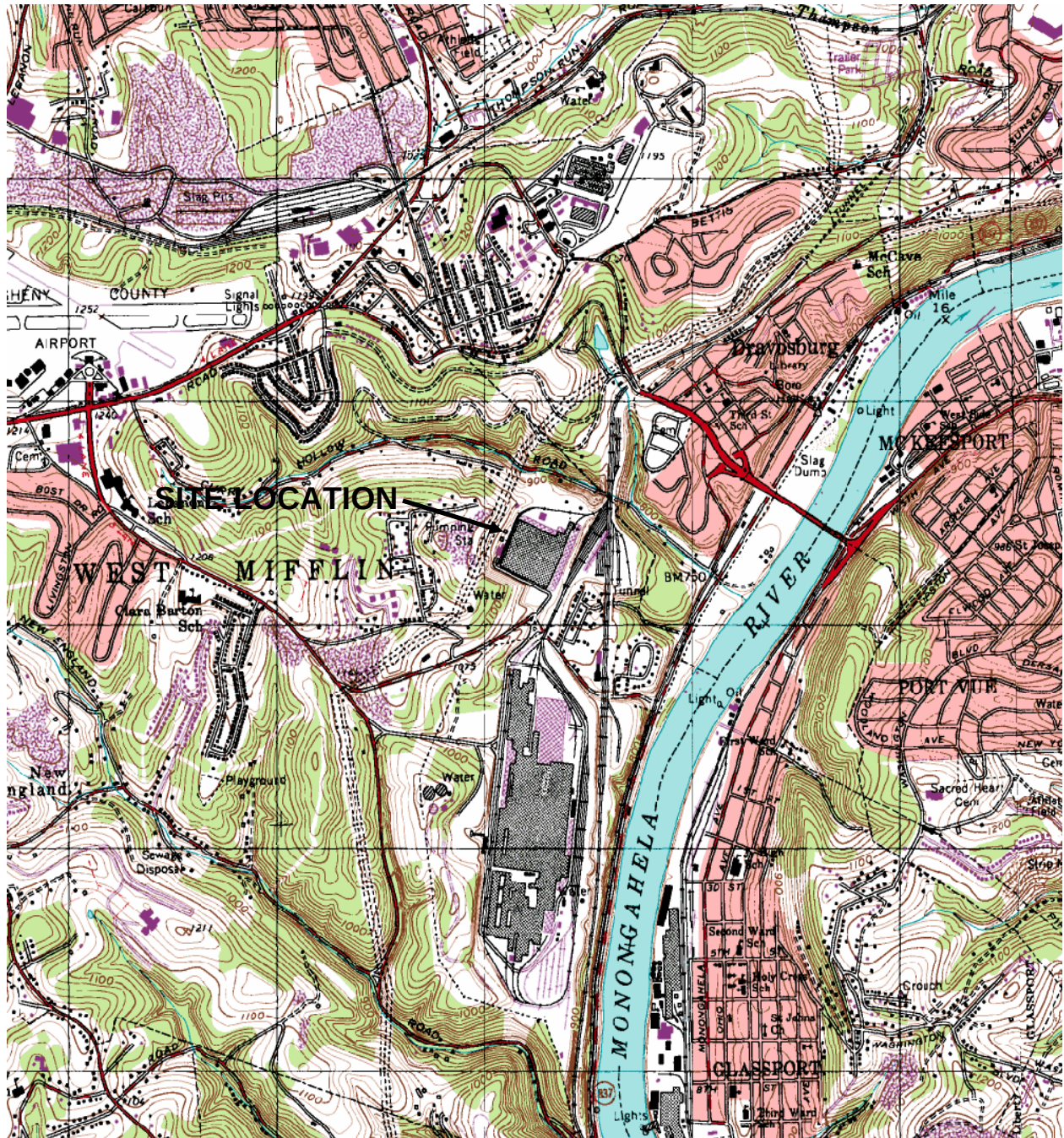
FACILITY ENVIRONMENTAL ASSESSMENT
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
WEST MIFFLIN, PENNSYLVANIA

Regulatory Citation, Section Number	Section Title	Site Applicability
40 CFR Part 302 - Designation, Reportable Quantities, and Notification		
302.6	Notification requirements	Any person in charge of an onshore facility shall report the release of a hazardous substance equal to or greater than the RQ within 24 hours
40 CFR Part 355 - Emergency Planning and Notification		
355.30	Emergency planning	Applicable since the Site has extremely hazardous substances equal to or in excess of their threshold planning quantity. Emergency plan completed, and appropriate agencies notified (LEPC, State Commission)

Notes:

AST = Aboveground storage tank
RCRA = Resource Conservation and Recovery Act
EPA = Environmental Protection Agency
DOT = U.S. Department of Transportation
CFR = Code of Federal Regulations
kg/mo = kilograms per month
RQ = Reportable quantity
LEPC = Local Emergency Planning Committee

Figures



Locator Map

Approximate Scale:
1" = 2600'



GM MFD-Pittsburgh Stamping Plant
1451 Lebanon School Road
West Mifflin, PA 15122

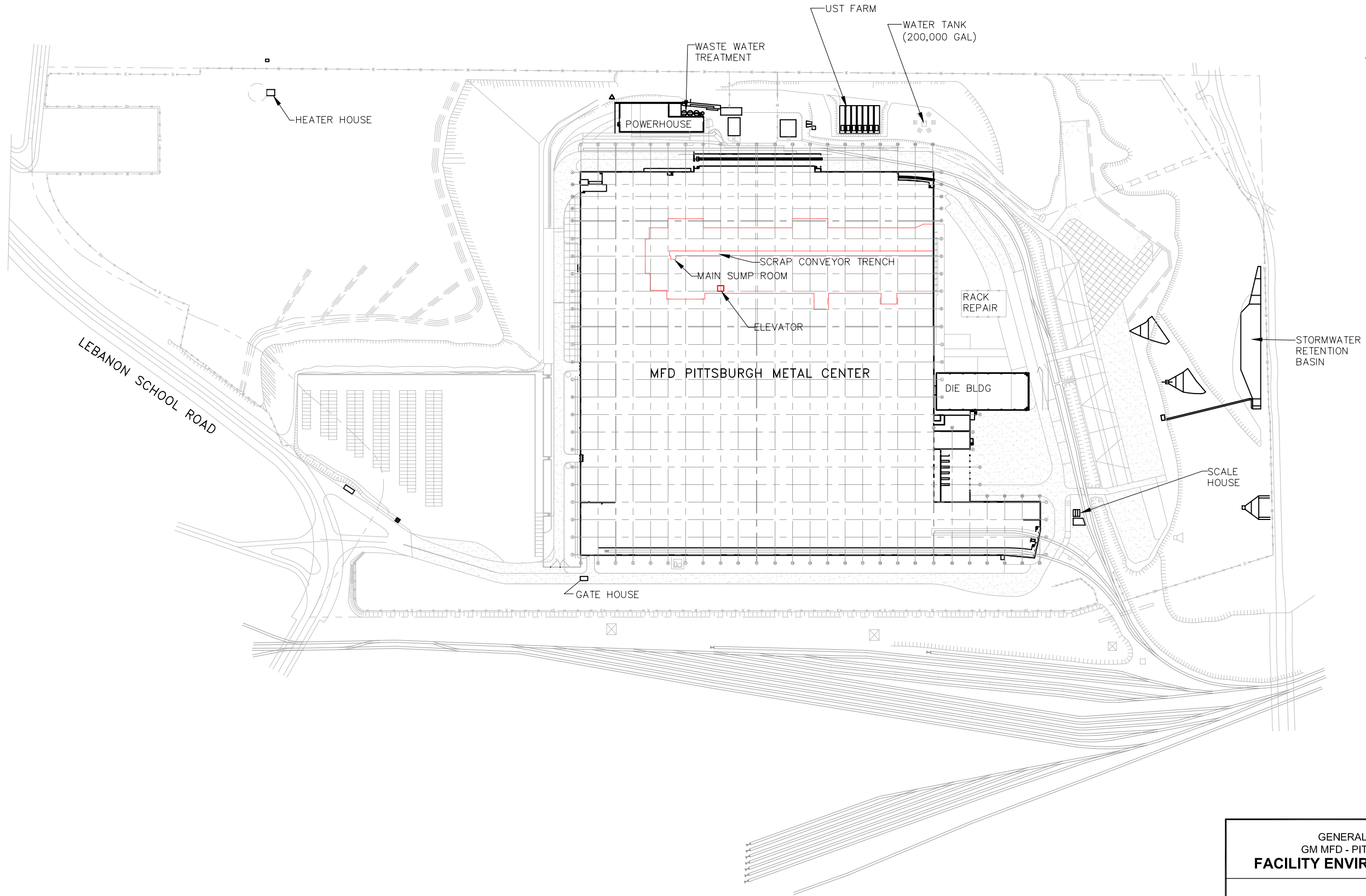
SITE LOCATION MAP

 **ARCADIS** BBL
Infrastructure, environment, facilities

FIGURE

1

[CITY-DIV-LEAD] CITY-DIV-ORIGINATOR CITY-DIV-2ND TO LAST CITY-DIV-LAST MODIFIER LAYER: ON=*, OFF=REF*
J: 2007\89632001\89632801.dwg, SAVED: 10/23/2007 1:03 PM LAYOUT: Layout11 PAGES: 11 PAGES: 11 PAGES: 11
PROJECT NAME: 89632801 IMAGES: 89632801



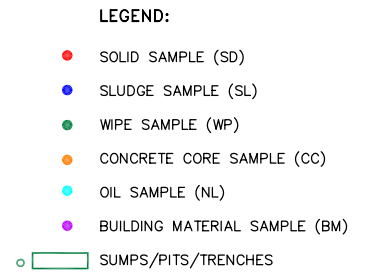
GENERAL MOTORS CORPORATION
GM MFD - PITTSBURGH STAMPING PLANT
FACILITY ENVIRONMENTAL ASSESSMENT

SITE PLAN

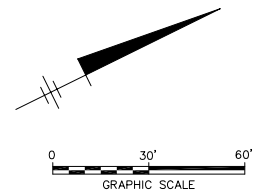


FIGURE

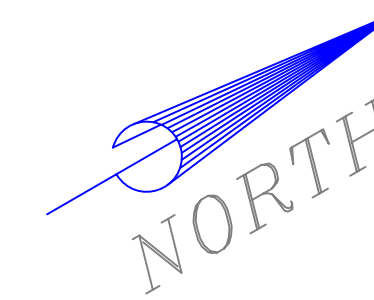
2



ARCADIS BBL
infrastructure, environment, facilities



- SLUDGE SAMPLE (SL)
- WIPE SAMPLE (WP)
- CONCRETE CORE SAMPLE (CC)
- OIL SAMPLE (NL)

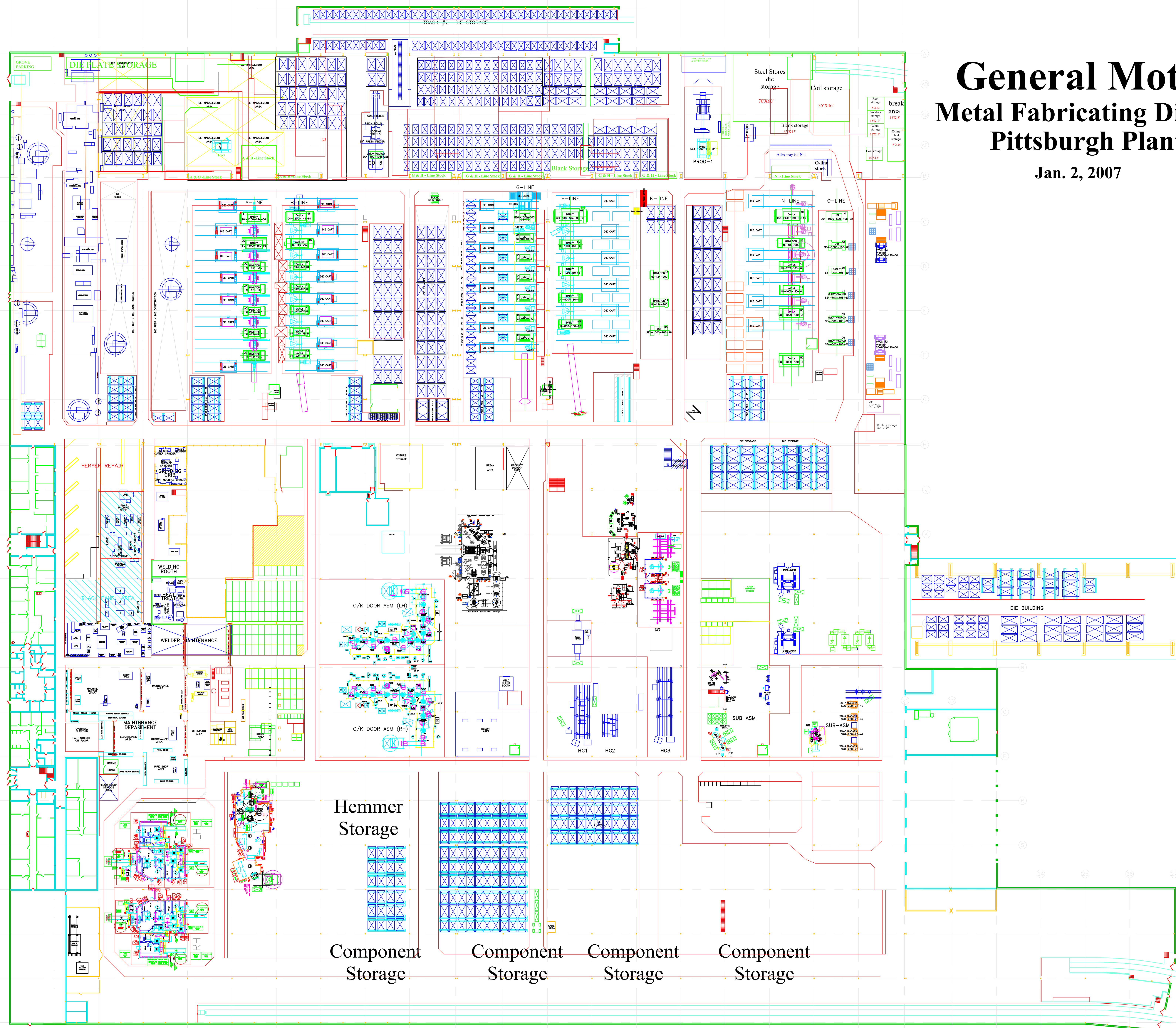


General Motors

Metal Fabricating Division

Pittsburgh Plant

Jan. 2, 2007



Appendix A

Interview Records

**General Motors Corporation
Pittsburgh Metal Center, West Mifflin, Pennsylvania
Facility Environmental Assessment**

Documentation of Communication

Date	8/20/2007
Time	10:00 a.m.
Type of Communication	Interview

ARCADIS BBL Representative(s)	Wendy White and Brian Loomis
Contact	Mr. Al Beam, Engineering Manager and Mr. Bill Polomik, Environmental Engineer
Contact Phone #	Mr. Al Beam (412.469.6553) and Mr. Bill Polomik (412.335.9649 - cell)

Specific Subject Matter:

Ms. Wendy White and Mr. Brian Loomis spoke to Mr. Al Beam and Mr. Bill Polomik regarding the historical operations and conditions of the Pittsburgh Metal Center. Mr. Al Beam and Mr. Bill Polomik informed ARCADIS BBL of the following items:

- Maynard's has visited the Pittsburgh Metal Center to look at equipment for resale.
- Al Beam maintains an electronic inventory for brass tag items for GM capital records.
- Bill Polomik manages and coordinates work for the asbestos-containing materials management program.
- The plant was built in 1949 and 1950.
- In 1955 an addition was added to the north end of the building. The addition was approximately 2 bays wide by 80 feet long. The addition was used as a packaging area. A bay was added on the east side for shipping.
- In 1964 a steel receiving area was added on the west side of the building along with a Powerhouse. The Powerhouse contained electric driven air compressors, natural gas fired boilers, and low pressure steam for heat.
- Approximately 70 original fuel oil heaters (1950s) are located on the roof in the air houses. The heaters are original equipment. Air conditioner units are located on the roof as well.

**General Motors Corporation
Pittsburgh Metal Center, West Mifflin, Pennsylvania
Facility Environmental Assessment**

Documentation of Communication

- A pump house is located next to the Powerhouse. Fuel oil circulates from the pumps to the 7-50,000-gallon USTs, when operating. Fuel is circulated through the plant then back to the USTs. New USTs were installed in 1983.
- The switch house contains three oil transformers that contain mineral oil. Two of the transformers are operational and the other was hit by lightning. An oil sample was collected from this transformer and analyzed for polychlorinated biphenyls (PCBs). PCBs were detected at 4 parts per million (ppm). Samples were collected from the two operational transformers and analyzed for PCBs. PCBs were detected in April 2007 in Transformer #1. PCBs were detected at 2 ppm.
- There is a 200,000-gallon domestic water tank located on Site.
- The short spur was original construction.
- Scrap is staged on Track 3, east –west.
- The west rail brought in coil steel, and bidders furthest south on west side. These tracks are original tracks.
- Metal decking now covers the old short spur.
- The rack repair area was formerly used to repair shipping containers. Hydraulic presses were formerly used here and work was performed here. Rack repair was built in the 1970s.
- The die storage area contains overhead cranes and a truck dock.
- The oil storage area was added during the 1955 addition and contains oil lubricants, sealants.
- The Site contains a maintenance paint shop that includes a paint booth. The area was used for maintenance and die painting. A pit was located in the center of the floor to collect paint booth water. At one time a zinc primer was used. The paint booth was converted to a fabric filter booth and the pit was filled in.

**General Motors Corporation
Pittsburgh Metal Center, West Mifflin, Pennsylvania
Facility Environmental Assessment**

Documentation of Communication

- The truck docks formerly contained hydraulic levelers. The area was renovated and the hydraulic levelers were replaced with spring loaded levelers. No other hydraulic levelers exist at the Site.
- The Site contains a fork truck repair/battery re-charge station. Lead acid batteries are used.
- The outside north end of the building is used for storage of shipping containers. Machinery and coils were formerly stored here as well.
- The on Site storm water basin traps surface oils and discharges to Curry Hollow Creek. Former outfalls/culverts were replaced by the storm water basin. The basin has a clay bottom and concrete walls. A sewage treatment plant was previously located where the basin currently exists.
- There are two elevators on Site, one to the kitchen and the other to the basement.
- A 500,000-gallon water tank for fire protection is located on top of the hill south of the main building.
- City water is used on Site and flows into the pump house located next to the Power House.
- PCB transformers were housed in the press pit transformer rooms. The transformers were replaced with non-PCB transformers.
- The Power House contains PCB capacitors and compressor motors.
- The welding area and end of power runs mounted on trusses. Slid capacitors out of racks. Some capacitors were known to have leaked. Some of the racks had trays to capture liquid, some did not. Some racks removed, some not.
- One capacitor reportedly caught on fire and burned in the basement. Area cleaned and painted with epoxy.
- Former pits along west production aisle now filled.

**General Motors Corporation
Pittsburgh Metal Center, West Mifflin, Pennsylvania
Facility Environmental Assessment**

Documentation of Communication

- Looping pits contain lubricant and oil from coil steel. Pits are blind and do not have pumps present. Liquid present in pits is vacuumed out with portable vacuum units and dumped in process waste sump. Looping pits associated with CO3 and HS5 are original pits to the facility. Looping pit associated with PROG 1 was installed around 1998.

- Currently operating press lines:

A line	K line	PROG-2
B line	O line	PROG-3
G line	N line – being restored, presses were moved from another	
H line	facility.	

N1 newest press – 1981

- Scrap conveyed underground out to west rail line – original location and equipment. Some robotic and land welding.
- Robotic weld lines include CK end gate, CK door assembly and hood assembly.
- Adhesives and sound deadeners were applied late 1990s. The plant is still using adhesives and sound deadeners. Last year operations were transferred from other facilities.
- Two laser booths- CO2 lasers do sheet metal cutting for fenders. Miscellaneous parts are hand-made.
- 4 single gap presses. Mechanical used presses formerly used with hydraulic units for weld guns. H8 – P20 housekeeping troughs surround presses and contain oil.
- Southeast corner for plant was storage until recently. Now houses robotic welders with new tooling.
- Track in extreme Northwest corner has been covered over with steel plate and frame. No access.
- Southwest corner – tooling and die maintenance. Two 80-ft wide bays. Mostly first shift.

**General Motors Corporation
Pittsburgh Metal Center, West Mifflin, Pennsylvania
Facility Environmental Assessment**

Documentation of Communication

- I3 and I1, Ingersoll presses have pits for chips. I2 has been removed.
- Lead processes have been removed from plant. Lead spotting used in die processes formerly and used in paint everywhere.
- H aisle divides high bay from low bay.
- The Pattern Shop formerly used a lot of chemicals.
- Formerly 1,600 people worked at plant, currently there are less than 400 people working here.
- The main plant building is 850,000 square feet. The facility is 900,000 – 1,000,000 square feet with out-buildings.
- The Admin Building has an AC/Boiler room, an upstairs vault and a downstairs vault.
- Several Chemical Managers (have been at the plant). The site does not have a resource manager. Bill Polomik, site environmental engineer, manages the waste. Due to uncertainty of site future, the ISO14000 certificate lapsed this year.
- All drains lead to WWTP from hazardous waste storage, paint shop, oil room.
- There are 200 old fluorescent bulbs in storage.
- Facility lighting replacement included 1,200 metal halide in low bay, 300 in high bay, 250 sodium vapor and fluorescent lighting on plant floor is cold.
- Torit air cleaners with filter cartridges are located throughout the plant. No waste profiles available. No filters changed recently. Reportedly had been characterized in the past and non-hazardous per Bill P.
- Welding operation – capacitor banks in numerous locations (capacitors removed, but shelves and wiring still present.) One bank of capacitors at end of each weld line. Not all of the capacitors were original. They were added as capacity was added. None are newer

**General Motors Corporation
Pittsburgh Metal Center, West Mifflin, Pennsylvania
Facility Environmental Assessment**

Documentation of Communication

than 1968.

- DE16-1 and DE16-2 are encapsulated in the basement.
- New conveyor has been installed in basement. Bill sampled conveyor for PCBs, which is clean, but material cleaned out of conveyor pit had PCB hits of >1, <10 ppm. PCB material was cleaned out of conveyor pit and concrete surface was wiped. Concrete surface did not indicate presence of PCBs. Sumps along this conveyor pit all drain to WWTP.
- Tracks 1 and 2 are paved with asphalt. No railroad ties evident.
- Scrap steel enters a bailer pit. Steel is bailed and discharges via conveyor tunnel to scrap chute along west exterior wall of building and dumps into rail cars.
- During the summer of 2006 a waste oil/WWTP tank overflowed. The tank is up on a hill. Stained concrete and brick wall were evident.
- Facility ships approximately 2,000 gallons of used oil every 5 months. Not re-used from here. Shipped off-site to a reclaimer /processor.
- Smaller square used oil tank is no longer used. 10,000 gallon capacity.
- Powerhouse – 2 natural gas fired boilers.
- Oil seeps from concrete wall beneath compressors in Powerhouse.
- Equipment staged outside was received from Grand Blanc. Is very dirty – chips grease, oil present on exterior surfaces.
- Hamilton presses are original presses to the building (circa 1949).
- Galbestos siding, not known if present at plant. Inspect and review current asbestos report.
- The entire roof was replaced in stages over a five year period in the 1980s. Roof and material removed down to steel decking when roof was replaced. Uncertain if roofs were

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**General Motors Corporation
Pittsburgh Metal Center, West Mifflin, Pennsylvania
Facility Environmental Assessment**

Documentation of Communication

replaced on out-buildings.

- Sub-surface electric vaults throughout the plant with varnished-cambric-lead covered (VCLC) cable. The cable has an asbestos fireproof boot present in electric vaults and is oil-filled. Not able to access cable - hot.
- Pecan block is quite old. Some brought from the Hamilton Stamping in Ohio in the 1980s as well as from the Chicago Stamping plant.
- Underground piping interior – the facility had very few modifications since installation.
- Cooling towers are present on the roof to cool water for the welders. Chillers present on the roof predominantly over the administration building. Ventilation air handling units present throughout rooftop (no air compressors).
- Prior to 1968 all process waste drained to main process sump “Big A” located in press pit basement.
- Mercury Ignitron tubes present in press control panels. Total of 24 mercury tubes present on control panels.
- Capacitor drawing provided by Al Beam has “A” to indicate former locations of PCB capacitors.
- Robotic welders installed in the mid 1990s and were new pieces of equipment.
- Individual batteries are associated with all emergency lighting.
- A lead acid battery bank is present inside the main sub-station to operate the switch gear. There are a total of 60 lead acid batteries.
- Battery backup present in the telephone room.
- 6,500 new fire suppression sprinkler heads have recently been installed.
- Originally hot tar was used to set wood block flooring. Hot tar was replaced by mastic.

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**General Motors Corporation
Pittsburgh Metal Center, West Mifflin, Pennsylvania
Facility Environmental Assessment**

Documentation of Communication

Approximately 95% of first floor is wood block. Older wood block in the plant is in shipping area and is pine.

- Lab onsite includes resource manager's lab.
- No USTs are known to have been closed in place at site.
- Bob Bowser of GM spoke with Bill P. regarding press oil analysis. The waste oil was non-detect for waste oils, per Bill P. Laboratory analytical reports were not located at the plant. They may be available in long-term storage.
- No registered radio active devices on site. X-ray machine formerly in original factory medical. Machine has been removed. Per John Good, medical department used to be in the administration area. Unknown if lead walls present in former factory medical. Only equipment present onsite with radioactive material are the smoke detectors. Several hundred smoke detectors are staged in three storage containers for disposal. Containers are located on first floor of admin building and also in the security offices.
- Waste streams-review of profile binder noted.
- Environmental compliance audit was performed by GM corporate audit team in 2005. Audit was published as privileged and confidential. Bill P. requested permission to provide a copy for ARCADIS BBL but was denied.

DOCUMENTS REVIEWED
GENERAL MOTORS CORPORATION
PITTSBURGH METAL STAMPING
JULY 20, 2007

1. Final Report, Asbestos Survey and Labeling, MFD Pittsburgh, March 10, 2006, Camtech, Inc. Environmental Health and Safety Consultants, 4550 McKnight Road, Suite 210 Pittsburgh, PA, 15237, 412-931-1210.
2. Plant Lead-based Paint Survey, 7/26/07 (on CD)
3. Asset Listings, Pittsburgh and WFG (excel file on CD)
4. Drawings:
 - General Motors Metal Fabricating Division Pittsburgh Plant, January 2, 2007 Equipment Layout (no drawing number)
 - Layout of Heaters and Ventilators, Pittsburgh Plant, PPF-46 7598-M12, date illegible
 - One-line Drawings of Weld Loops, 02/20/78, PWD-0388, Sheet No. 1 (locations of removed capacitor banks)
 - Sanitary and Storm Sewers, Fisher Body Division GM Corporation, Pittsburgh Plant, Job # 7598 Sheet No. M-4, 3-1-49
 - Addition to Stamping Plant, Fisher Body Division GM Corporation, Job # 7598-B Sheet M-4A, 12-17-53
 - Waste Treatment Facilities, Plan of Sumps and Piping, Job # 7437 Sheet No. WT-1, 6-27-68
5. ASTs (per Bill Polimik)
 - 7 – 50,000-gallon fuel oil tanks
 - 3 – 500-gallon press oil tanks
 - 2 – 300-gallon gear oil totes
 - 1 – 4,000-gallon used oil at WWTP
 - 1 – 10,000-gallon AST for waste oil at WWTP, not in use
 - 3 – 10,000-gallon WWTP process treatment tanks
 - 1 - 25,000-gallon pre-treatment AST at WWTP
 - 2 – 250-gallon fueling ASTs (1 gasoline, 1 diesel)
6. Waste Streams
 - Small quantity generator
 - Paint-related waste
 - Solvents in satellite accumulation areas
 - Aerosol cans and miscellaneous universal wastes
 - Maintenance department paint
 - Wood block floor
 - Concrete

- Waste Treatment Sludge, 021L primary waste code, to EQ expired profile 2/14/06 Approval # E61903
- Oily Water, non-TSCA, non-RCRA, no PCBs, no alcohols, no ketones
- Lubricants, paints, parts cleaner, contact cleaner, Rust-oleum (non-chlorinated) to Heritage Envl Services
- Asbestos-contaminated tiles, insulation, PPE, transite board, insulation
- 4-ft and 8-ft fluorescent lamps, HID lamps (sodium, metal halide, mercury vapor, neon, zeon), U bend lamps, circular/compact/incandescent, shatter shield
- W219 Other organic liquid
- Silver paint w/ACM material
- Waste oil and grease
- NiCd batteries
- Oil Absorbent
- Waste aerosols D001
- Hazardous Waste Liquids, N.O.S. (Lead soaps) D008
- Methanol/isopropanol D001 flammable liquid
- Transmission Fluid/Mineral Oil, non-regulated material, non-RCRA
- Metal Prep, phosphoric acid/octadecenoic acid D002
- Waste mercury, D009
- Epoxy, non-regulated
- Environmentally Hazardous Waste Substance, Liquid N.O.S., (Carbon black, Calcium oxide) non-RCRA
- Expired unused product
- Waste concrete (contained 560 ug/kg Aroclor 1254) in 2003
- Waste floor block, 30 CY in 2005 non-hazardous
- Railroad ties (replacement of old ties)

**General Motors Corporation
Pittsburgh Metal Center, West Mifflin, Pennsylvania
Facility Environmental Assessment**

Documentation of Communication

Date	August 23, 2007
Time	10:00 a.m.
Type of Communication	Phone Interview

ARCADIS BBL Representative(s)	Bethany Nanzer
Contact	Ms. Teri Kline, GM WFG and Mr. Bob Bowser, GM Northeast Region Manager
Contact Phone #	T. Kline (248.753.5713) and B. Bowser (216.265.5390)

Specific Subject Matter:

Ms. Bethany Nanzer contacted Ms. Terry Kline regarding historic analytical data for press oils at the Pittsburgh Metal Center in West Mifflin, Pennsylvania. T. Kline did not have a record of analytical results for press oil. T. Kline referred B. Nanzer to Mr. Bob Bowser, GM Northeast Region Manager. B. Bowser did not have historic press oil data for the West Mifflin Site either. B. Bowser said that the data probably went to Iron Mountain Storage. B. Bowser was not aware of any PCB detections for the press oils.

Appendix B

Sampling and Analysis Plan

TABLE 1
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
FEA
SAMPLING AND ANALYSIS OBJECTIVES AND METHODS
WEST MIFFLIN, PENNSYLVANIA

Area of Interest	Objective/Approach	Proposed Sampling	Laboratory Analytical Parameters	Laboratory Analytical Methods
Trusses	Determine if dust or oil staining may present a worker safety hazard due to the presence of metals or PCBs from historical operations	Collect dust samples and/or wipe samples in areas with significant accumulation and known historical operations involving lead and other metals, and locations of visible staining	RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver), and PCBs	USEPA SW-846 Method 6020/7451 and 8082
Concrete Floor	Determine if concrete is impacted with metals and polychlorinated biphenyls (PCBs) from historical operations	Core concrete samples, may be sectioned based on visible staining.	RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) and PCBs	USEPA SW-846 Method 6020/7471A and 8082
Roof	Determine if accumulated dust/sediment could present a worker safety hazard	Collect dust from areas of accumulation near exhaust stacks	RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) and PCBs	USEPA SW-846 Method 6020/7451 and 8082
Ducts	Determine if dust or oil staining accumulated in and on ducts could present a worker hazard	Collect dust from areas of accumulation near exhaust stacks or wipe samples of stained areas	RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) and PCBs	USEPA SW-846 Method 6020/7451 and 8082
Wood Block Floor	Determine if PCB oil has impacted wood block floor	Collect up to 3 samples of wood block floor from each homogeneous area, biased toward areas of staining	PCBs	USEPA SW-846 Method 8082

TABLE 1
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
FEA
SAMPLING AND ANALYSIS OBJECTIVES AND METHODS
WEST MIFFLIN, PENNSYLVANIA

Area of Interest	Objective/Approach	Proposed Sampling	Laboratory Analytical Parameters	Laboratory Analytical Methods
Equipment	Determine if metals in dust on equipment could present a worker safety hazard, and also if PCBs are present. Determine if oils in equipment contain PCBs (where documentation of previous sampling is not available).	Wipe exterior where accessible and collect samples of oils from drain ports where possible.	RCRA Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver), PCBs	USEPA SW-846 Method 6020/7451 and 8082
Storm Sewer	Determine if sediment is present in sewers, and requires cleaning	Sample sediment/debris accumulation in representative manhole(s)	RCRA Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) and PCBs	USEPA SW-846 Method 200.8/245.1M and 8082
Oily Wastewater Process Sewer	Determine if sediment is present in sewers	Sample sediment/debris accumulation in representative manhole(s)	RCRA Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) and PCBs	USEPA SW-846 Method 200.8/245.1M and 8082
Pits	Determine if oil has soaked into concrete, and if any PCBs are present in oil-stained concrete	Collect Wipe and Core Samples. If oil has penetrated more than 0.1 cm analyze concrete core (1 cm sections) through extent of oil penetration	PCBs	USEPA SW-846 Method 8082
Elevator(s)	Determine if hydraulic oil contains PCBs	Collect hydraulic oil sample	PCBs	USEPA SW-846 Method 8082

TABLE 1
GENERAL MOTORS CORPORATION
PITTSBURGH METAL CENTER
FEA
SAMPLING AND ANALYSIS OBJECTIVES AND METHODS
WEST MIFFLIN, PENNSYLVANIA

Area of Interest	Objective/Approach	Proposed Sampling	Laboratory Analytical Parameters	Laboratory Analytical Methods
Grease on rails and concrete columns	Determine if grease contains PCBs	Wipe stained areas on concrete columns, collect grease sample where accumulation allows	PCBs	USEPA SW-846 Method 8082
Transformers	Confirm no PCBs present	Collect sample of oil	PCBs	USEPA SW-846 Method 8082
Railroad Ties	Confirm no PCBs present	Collect sample of tie	PCBs	USEPA SW-846 Method 8082

Notes:

1. This Sampling and Analysis Plan does not include sampling suspect building materials for analysis of asbestos.

Appendix C

Laboratory Analytical Reports



Analytical Laboratory Report

Report ID: S33302.01(01)

Generated on 08/31/2007

Report to

Attention: Wendy White/ Beth Nanzer

Arcadis BBL

10559 Citation Drive

Suite 100

Brighton, MI 48116

Phone: 810-229-8823 FAX: 810-229-8837

Email: wsw@arcadis-us.com/Bethany.Nanzer@arcadis-us.com

Report produced by

Merit Laboratories

2680 East Lansing Drive

East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S33302.01-S33302.33

Project: GM West Mifflin - 64490

Collected Date: 08/22/2007

Submitted Date/Time: 08/23/2007 10:00

Sampled by: Crystal Mueller

P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak

Laboratory Director



Analytical Laboratory Report

Sample Summary (33 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S33302.01	PITM10(082207)WB	Solid	08/22/2007 07:35
S33302.02	PITK11(082207)WB	Solid	08/22/2007 07:50
S33302.03	PITK13(082207)WB	Solid	08/22/2007 07:55
S33302.04	PITK15(082207)WB	Solid	08/22/2007 08:10
S33302.05	PITN18(082207)WB	Solid	08/22/2007 08:20
S33302.06	PITM19(082207)WB	Solid	08/22/2007 08:25
S33302.07	PITM21(082207)WB	Solid	08/22/2007 08:35
S33302.08	PITO20(082207)WB	Solid	08/22/2007 08:50
S33302.09	PITV19(082207)WB	Solid	08/22/2007 09:00
S33302.10	PITCAFELV(082207)NL	Oil	08/22/2007 08:05
S33302.11	PITC3(082207)WB	Solid	08/22/2007 10:45
S33302.12	PITB6(082207)WB	Solid	08/22/2007 10:50
S33302.13	PITC8(082207)WB	Solid	08/22/2007 10:55
S33302.14	PITE10(082207)WB	Solid	08/22/2007 11:00
S33302.15	PITD11(082207)WB	Solid	08/22/2007 11:05
S33302.16	PITSUB1(082207)CC	Solid	08/22/2007 12:40
S33302.17	PITSUB1BREAKER(082207)NL	Oil	08/22/2007 12:55
S33302.18	PITSUB2(082207)CC	Solid	08/22/2007 13:10
S33302.19	PITC20-B(082207)CC	Solid	08/22/2007 13:50
S33302.20	PITE19-1-B(082207)CC	Solid	08/22/2007 14:00
S33302.21	PITE16-B(082207)CC	Solid	08/22/2007 14:05
S33302.22	PITC13-B(082207)CC	Solid	08/22/2007 14:20
S33302.23	PITC6-B(082207)CC	Solid	08/22/2007 14:30
S33302.24	PITA3-B(082207)CC	Solid	08/22/2007 14:40
S33302.25	PITD8-B(082207)CC	Solid	08/22/2007 14:50
S33302.26	PITD10-B(082207)CC	Solid	08/22/2007 15:00
S33302.27	PITA5(082207)CC	Solid	08/22/2007 15:20
S33302.28	PITF10(082207)CC	Solid	08/22/2007 15:50
S33302.29	PITC14(082207)WB	Solid	08/22/2007 16:15
S33302.30	PITE15(082207)WB	Solid	08/22/2007 16:20
S33302.31	PITE20(082207)WB	Solid	08/22/2007 16:25
S33302.32	PITB19(082207)WB	Solid	08/22/2007 16:30
S33302.33	PITA16(082207)WB	Solid	08/22/2007 16:35



Analytical Laboratory Report

Lab Sample ID: S33302.01
Sample Tag: PITM10(082207)WB
Collected Date/Time: 08/22/2007 07:35
Matrix: Solid
COC Reference: 044604

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Other / Misc.

Hold until notified	Completed				08/27/07 11:00	PCS		



Analytical Laboratory Report

Lab Sample ID: S33302.02
Sample Tag: PITK11(082207)WB
Collected Date/Time: 08/22/2007 07:50
Matrix: Solid
COC Reference: 044604

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 11:27	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 11:27	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 11:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 11:27	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 11:27	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 11:27	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 11:27	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.03
Sample Tag: PITK13(082207)WB
Collected Date/Time: 08/22/2007 07:55
Matrix: Solid
COC Reference: 044604

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				08/27/07 11:00	PCS		



Analytical Laboratory Report

Lab Sample ID: S33302.04
Sample Tag: PITK15(082207)WB
Collected Date/Time: 08/22/2007 08:10
Matrix: Solid
COC Reference: 044604

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 16:42	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 16:42	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 16:42	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 16:42	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 16:42	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 16:42	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 16:42	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.05
Sample Tag: PITN18(082207)WB
Collected Date/Time: 08/22/2007 08:20
Matrix: Solid
COC Reference: 044604

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				08/27/07 11:00	PCS		



Analytical Laboratory Report

Lab Sample ID: S33302.06
Sample Tag: PITM19(082207)WB
Collected Date/Time: 08/22/2007 08:25
Matrix: Solid
COC Reference: 044604

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 16:53	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 16:53	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 16:53	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 16:53	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 16:53	JANB	12672-29-6	
PCB-1254	1,400	ug/kg	1,000	8082	08/29/07 16:53	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 16:53	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.07
Sample Tag: PITM21(082207)WB
Collected Date/Time: 08/22/2007 08:35
Matrix: Solid
COC Reference: 044604

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				08/27/07 11:00	PCS		



Analytical Laboratory Report

Lab Sample ID: S33302.08
Sample Tag: PITO20(082207)WB
Collected Date/Time: 08/22/2007 08:50
Matrix: Solid
COC Reference: 044604

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/30/07 13:39	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/30/07 13:39	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/30/07 13:39	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/30/07 13:39	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/30/07 13:39	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/30/07 13:39	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	08/30/07 13:39	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33302.09
Sample Tag: PITV19(082207)WB
Collected Date/Time: 08/22/2007 09:00
Matrix: Solid
COC Reference: 044604

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				08/27/07 11:00	PCS		



Analytical Laboratory Report

Lab Sample ID: S33302.10
Sample Tag: PITCAFELV(082207)NL
Collected Date/Time: 08/22/2007 08:05
Matrix: Oil
COC Reference: 044604

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/30/07 11:51	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/30/07 11:51	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/30/07 11:51	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/30/07 11:51	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/30/07 11:51	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/30/07 11:51	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/30/07 11:51	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.11
Sample Tag: PITC3(082207)WB
Collected Date/Time: 08/22/2007 10:45
Matrix: Solid
COC Reference: 044604

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				08/27/07 11:00	PCS		



Analytical Laboratory Report

Lab Sample ID: S33302.12
Sample Tag: PITB6(082207)WB
Collected Date/Time: 08/22/2007 10:50
Matrix: Solid
COC Reference: 044604

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/30/07 13:55	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/30/07 13:55	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/30/07 13:55	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/30/07 13:55	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/30/07 13:55	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/30/07 13:55	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/30/07 13:55	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.13
Sample Tag: PITC8(082207)WB
Collected Date/Time: 08/22/2007 10:55
Matrix: Solid
COC Reference: 044605

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				08/27/07 11:00	PCS		



Analytical Laboratory Report

Lab Sample ID: S33302.14
Sample Tag: PITE10(082207)WB
Collected Date/Time: 08/22/2007 11:00
Matrix: Solid
COC Reference: 044605

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 11:38	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 11:38	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 11:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 11:38	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 11:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 11:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 11:38	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.15
Sample Tag: PITD11(082207)WB
Collected Date/Time: 08/22/2007 11:05
Matrix: Solid
COC Reference: 044605

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				08/27/07 11:00	PCS		



Analytical Laboratory Report

Lab Sample ID: S33302.16
Sample Tag: PITSUB1(082207)CC
Collected Date/Time: 08/22/2007 12:40
Matrix: Solid
COC Reference: 044605

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 11:48	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 11:48	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 11:48	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 11:48	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 11:48	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 11:48	JANB	11097-69-1	
PCB-1260	5,500	ug/kg	1,000	8082	08/29/07 11:48	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.17
Sample Tag: PITSUB1BREAKER(082207)NL
Collected Date/Time: 08/22/2007 12:55
Matrix: Oil
COC Reference: 044605

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 14:58	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 14:58	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 14:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 14:58	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 14:58	JANB	12672-29-6	
PCB-1254	1,000	ug/kg	1,000	8082	08/29/07 14:58	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 14:58	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.18
Sample Tag: PITSUB2(082207)CC
Collected Date/Time: 08/22/2007 13:10
Matrix: Solid
COC Reference: 044605

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 11:59	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 11:59	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 11:59	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 11:59	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 11:59	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 11:59	JANB	11097-69-1	
PCB-1260	3,000	ug/kg	1,000	8082	08/29/07 11:59	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.19
Sample Tag: PITC20-B(082207)CC
Collected Date/Time: 08/22/2007 13:50
Matrix: Solid
COC Reference: 044605

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 12:30	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 12:30	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 12:30	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 12:30	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 12:30	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 12:30	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 12:30	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.20
Sample Tag: PITE19-1-B(082207)CC
Collected Date/Time: 08/22/2007 14:00
Matrix: Solid
COC Reference: 044605

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 12:41	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 12:41	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 12:41	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 12:41	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 12:41	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 12:41	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 12:41	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.21
Sample Tag: PITE16-B(082207)CC
Collected Date/Time: 08/22/2007 14:05
Matrix: Solid
COC Reference: 044605

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/28/07 15:19	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/28/07 15:19	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/28/07 15:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/28/07 15:19	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/28/07 15:19	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/28/07 15:19	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/28/07 15:19	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.22
Sample Tag: P1TC13-B(082207)CC
Collected Date/Time: 08/22/2007 14:20
Matrix: Solid
COC Reference: 044605

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 12:51	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 12:51	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 12:51	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 12:51	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 12:51	JANB	12672-29-6	
PCB-1254	1,000	ug/kg	1,000	8082	08/29/07 12:51	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 12:51	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.23
Sample Tag: PITC6-B(082207)CC
Collected Date/Time: 08/22/2007 14:30
Matrix: Solid
COC Reference: 044605

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 13:02	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 13:02	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 13:02	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 13:02	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 13:02	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 13:02	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 13:02	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33302.24
Sample Tag: PITA3-B(082207)CC
Collected Date/Time: 08/22/2007 14:40
Matrix: Solid
COC Reference: 044605

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 13:12	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 13:12	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 13:12	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 13:12	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 13:12	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 13:12	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 13:12	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33302.25
Sample Tag: PITD8-B(082207)CC
Collected Date/Time: 08/22/2007 14:50
Matrix: Solid
COC Reference: 044603

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 13:23	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 13:23	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 13:23	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 13:23	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 13:23	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 13:23	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 13:23	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.26
Sample Tag: PITD10-B(082207)CC
Collected Date/Time: 08/22/2007 15:00
Matrix: Solid
COC Reference: 044603

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 13:33	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 13:33	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 13:33	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 13:33	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 13:33	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 13:33	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 13:33	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33302.27
Sample Tag: PITA5(082207)CC
Collected Date/Time: 08/22/2007 15:20
Matrix: Solid
COC Reference: 044603

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/30/07 11:30	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/30/07 11:30	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/30/07 11:30	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/30/07 11:30	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/30/07 11:30	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/30/07 11:30	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/30/07 11:30	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.28
Sample Tag: PITF10(082207)CC
Collected Date/Time: 08/22/2007 15:50
Matrix: Solid
COC Reference: 044603

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 12:09	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/30/07 11:40	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/30/07 11:40	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/30/07 11:40	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/30/07 11:40	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/30/07 11:40	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/30/07 11:40	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/30/07 11:40	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.29
Sample Tag: P1TC14(082207)WB
Collected Date/Time: 08/22/2007 16:15
Matrix: Solid
COC Reference: 044603

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				08/27/07 11:00	PCS		



Analytical Laboratory Report

Lab Sample ID: S33302.30
Sample Tag: PITE15(082207)WB
Collected Date/Time: 08/22/2007 16:20
Matrix: Solid
COC Reference: 044603

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 14:01	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 13:44	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 13:44	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 13:44	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 13:44	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 13:44	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 13:44	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 13:44	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.31
Sample Tag: PITE20(082207)WB
Collected Date/Time: 08/22/2007 16:25
Matrix: Solid
COC Reference: 044603

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				08/27/07 11:00	PCS		



Analytical Laboratory Report

Lab Sample ID: S33302.32
Sample Tag: PITB19(082207)WB
Collected Date/Time: 08/22/2007 16:30
Matrix: Solid
COC Reference: 044603

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 14:01	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 13:54	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 13:54	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 13:54	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 13:54	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 13:54	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 13:54	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 13:54	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33302.33
Sample Tag: PITA16(082207)WB
Collected Date/Time: 08/22/2007 16:35
Matrix: Solid
COC Reference: 044603

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc. Hold until notified	Completed				08/27/07 11:00	PCS		

Merit

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C.O.C. PAGE # 1 OF 3

044604

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Wendy White		CONTACT NAME Ken Gembel		☐ SAME	
COMPANY ARCADIS B&L		COMPANY General Motors			
ADDRESS 10559 Citation Drive		ADDRESS			
CITY Brighton	STATE MI	ZIP CODE 48116	CITY	STATE	ZIP CODE
PHONE NO. 810.229.8823	FAX NO. 810.229.8837	P.O. NO. 89632	PHONE NO.	FAX NO.	P.O. NO.
E-MAIL ADDRESS wendy.white@arcadis-us.com		QUOTE NO.			

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME 6m West Mifflin		SAMPLER(S) - PLEASE PRINT/SIGN NAME Crystal Mueller / gphel		SPECIAL INSTRUCTIONS/NOTES																					
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER																									
DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER																									
MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC	# Containers & Preservatives																			
PCBs																									
MATRIX	DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER													
3330201	8-22-07	735	PIT M10 (082207) WB	SD	1								X												
.02		750	PIT K11 (082207) WB																						
.03		755	PIT K13 (082207) WB																						
.04		810	PIT K15 (082207) WB																						
.05		820	PIT N18 (082207) WB																						
.06		825	PIT M19 (082207) WB																						
.07		835	PIT M21 (082207) WB																						
.08		850	PIT O20 (082207) WB																						
.09		900	PIT V19 (082207) WB																						
.10		905	PIT CAFELV (082207) NL	0	1								X												
.11		1045	PIT C3 (082207) WB	SD	1								X												
.12		1050	PIT B6 (082207) WB	SD	1								X												

RELINQUISHED BY: SIGNATURE/ORGANIZATION gphel / ARCADIS	DATE 8-22-07	TIME 1800	RELINQUISHED BY: SIGNATURE/ORGANIZATION Paula	DATE 8-23-07	TIME 1000
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
			NOTES: TEMP. ON ARRIVAL 11.9		

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

T&C per contract w/ GM

Merit

Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
 Phone (517) 332-0167 Fax (517) 332-6333
 www.meritlabs.com

C.O.C. PAGE # 2 OF 3

044605

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Wendy White			
COMPANY ARCADIS BBL			
ADDRESS 10559 Citation Drive			
CITY Brighton		STATE MI	ZIP CODE 48116
PHONE NO. 810.229.8823	FAX NO. 810.229.8837	P.O. NO. 89632	
E-MAIL ADDRESS wendy.white@arcadis-us.com		QUOTE NO. B	

CONTACT NAME Ken Gembel		☐ SAME	
COMPANY GM			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.	

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME 6M West Mifflin			SAMPLER(S) - PLEASE PRINT/SIGN NAME Crystal Mirella/gsm										SPECIAL INSTRUCTIONS/NOTES										
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER																							
DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER																							
MATRIX CODE: GW=GROUNDWATER SL=SLUDGE WW=WASTEWATER O=OIL S=SOIL A=AIR L=LIQUID W=WASTE SD=SOLID M=MISC			# Containers & Preservatives																				
MERIT LAB NO.	YEAR DATE TIME		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO3	H2SO4	NaOH	MeOH	OTHER											
33302.1	8/22/07	1055	PIT C8 (082207) WB	SD	1								X										
.14		1100	PITE10 (082207) WB																				
.15		1105	PIT D11 (082207) WB																				
.16		1240	PITSUB1 (082207) CC																				
.17		1255	PITSUB1 BREAKER (082207) NL	O																			
.18		1310	PITSUB2 (082207) CC	SD																			
.19		1350	PITC20-B (082207) CC																				
.20		1400	PITE19-1-B (082207) CC																				
.21		1405	PITE16-B (082207) CC																				
.22		1420	PITC13-B (082207) CC																				
.23		1430	PITC6-B (082207) CC																				
.24		1440	PIT A3-B (082207) CC																				

RELINQUISHED BY: SIGNATURE/ORGANIZATION gsm / ARCADIS	DATE 8-22-07	TIME 1800
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION Paula	DATE 8-23-07	TIME 1000
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
NOTES:		TEMP. ON ARRIVAL 17.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

TSC per GM contract

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C.O.C. PAGE # 3 OF 3

044603

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME <u>Wendy White</u>			
COMPANY <u>ARCADIS BBL</u>			
ADDRESS <u>10559 Citation Dr</u>			
CITY <u>Brighton</u>	STATE <u>MI</u>	ZIP CODE <u>48116</u>	
PHONE NO. <u>810.229.8823</u>	FAX NO. <u>810.229.8837</u>	P.O. NO. <u>89632</u>	
E-MAIL ADDRESS <u>wendy.white@arcadis-us.com</u>			
QUOTE NO.			

CONTACT NAME <u>Ken Gembel</u>			☐ SAME
COMPANY <u>GM</u>			
ADDRESS			
CITY	STATE	ZIP CODE	
PHONE NO.	FAX NO.	P.O. NO.	

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME <u>GM West Mifflin</u>	SAMPLER(S) - PLEASE PRINT/SIGN NAME <u>Crystal Mueller/GPL Mun</u>

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC

Containers & Preservatives

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO3	H2SO4	NaOH	MeOH	OTHER
	DATE	TIME										
3330225	8-22-07	1450	PITD8-B(082207) CC	SD	1	1						
.26		1500	PITD10-B(082207) CC									
.27		1520	PITA5(082207) CC									
.28		1550	PITF10(082207) CC									
.29		1615	PITC14(082207) WB									
.30		1620	PITE15(082207) WB									
.31		1625	PITE20(082207) WB									
.32		1630	PITB19(082207) WB									
.33		1635	PITA16(082207) WB									

PCBs

SPECIAL INSTRUCTIONS/NOTES

RELINQUISHED BY: SIGNATURE/ORGANIZATION <u>Cpl Mueller/ARCADIS</u>	DATE <u>8-22-07</u> TIME <u>1800</u>
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION <u>Paul...</u>	DATE <u>8-23-07</u> TIME <u>1000</u>		
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE TIME		
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL <u>a/a</u>
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE T&C Per GM contract



Analytical Laboratory Report

Report ID: S33282.01(01)

Generated on 09/05/2007

Report to

Attention: Wendy White/ Beth Nanzer

Arcadis BBL

10559 Citation Drive

Suite 100

Brighton, MI 48116

Phone: 810-229-8823 FAX: 810-229-8837

Email: wsw@arcadis-us.com/Bethany.Nanzer@arcadis-us.com

Report produced by

Merit Laboratories

2680 East Lansing Drive

East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S33282.01-S33282.24

Project: GM West Mifflin - 64490

Collected Date: 08/21/2007

Submitted Date/Time: 08/22/2007 11:00

Sampled by: Unknown

P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak

Laboratory Director



Analytical Laboratory Report

Sample Summary (24 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S33282.01	PITG2(082107)WB	Solid	08/21/2007 07:50
S33282.02	PITE1(082107)WB	Solid	08/21/2007 08:05
S33282.03	PITB2(082107)WB	Solid	08/21/2007 08:15
S33282.04	PITA3(082107)WB	Solid	08/21/2007 08:25
S33282.05	PITA5(082107)WB	Solid	08/21/2007 08:35
S33282.06	PITA9(082107)WB	Solid	08/21/2007 08:50
S33282.07	PITA12(082107)WB	Solid	08/21/2007 09:30
S33282.08	PITA16(082107)WB	Solid	08/21/2007 09:50
S33282.09	PITA18(082107)WB	Solid	08/21/2007 10:10
S33282.10	PITA20(082107)WB	Solid	08/21/2007 10:20
S33282.11	PITT23(082107)WB	Solid	08/21/2007 10:30
S33282.12	PITO19(082107)WB	Solid	08/21/2007 10:50
S33282.13	PITO14(082107)WB	Solid	08/21/2007 11:05
S33282.14	PITT8(082107)WB	Solid	08/21/2007 11:15
S33282.15	PITT2(082107)WB	Solid	08/21/2007 11:20
S33282.16	PITO4(082107)WB	Solid	08/21/2007 12:25
S33282.17	PITN4(082107)WB	Solid	08/21/2007 12:35
S33282.18	PITN5(082107)WB	Solid	08/21/2007 12:45
S33282.19	PITM3(082107)WB	Solid	08/21/2007 12:55
S33282.20	PITK2(082107)WB	Solid	08/21/2007 13:10
S33282.21	PITJ3(082107)WB	Solid	08/21/2007 13:20
S33282.22	PITH4(082107)WB	Solid	08/21/2007 13:35
S33282.23	PITG9(082107)WB	Solid	08/21/2007 13:45
S33282.24	PITO10(082107)WB	Solid	08/21/2007 13:55



Analytical Laboratory Report

Lab Sample ID: S33282.01
Sample Tag: PITG2(082107)WB
Collected Date/Time: 08/21/2007 07:50
Matrix: Solid
COC Reference: 044601

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/27/07 15:39	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/27/07 15:39	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/27/07 15:39	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/27/07 15:39	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/27/07 15:39	JANB	12672-29-6	
PCB-1254	1,000	ug/kg	1,000	8082	08/27/07 15:39	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/27/07 15:39	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33282.02
Sample Tag: PITE1(082107)WB
Collected Date/Time: 08/21/2007 08:05
Matrix: Solid
COC Reference: 044601

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		



Analytical Laboratory Report

Lab Sample ID: S33282.03
Sample Tag: PITB2(082107)WB
Collected Date/Time: 08/21/2007 08:15
Matrix: Solid
COC Reference: 044601

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/27/07 15:49	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/27/07 15:49	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/27/07 15:49	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/27/07 15:49	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/27/07 15:49	JANB	12672-29-6	
PCB-1254	1,000	ug/kg	1,000	8082	08/27/07 15:49	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/27/07 15:49	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33282.04
Sample Tag: PITA3(082107)WB
Collected Date/Time: 08/21/2007 08:25
Matrix: Solid
COC Reference: 044601

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		



Analytical Laboratory Report

Lab Sample ID: S33282.05
Sample Tag: PITA5(082107)WB
Collected Date/Time: 08/21/2007 08:35
Matrix: Solid
COC Reference: 044601

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 16:00	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 16:00	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 16:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 16:00	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 16:00	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 16:00	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 16:00	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33282.06
Sample Tag: PITA9(082107)WB
Collected Date/Time: 08/21/2007 08:50
Matrix: Solid
COC Reference: 044601

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		



Analytical Laboratory Report

Lab Sample ID: S33282.07
Sample Tag: PITA12(082107)WB
Collected Date/Time: 08/21/2007 09:30
Matrix: Solid
COC Reference: 044601

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/28/07 13:55	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/28/07 13:55	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/28/07 13:55	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/28/07 13:55	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/28/07 13:55	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/28/07 13:55	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	08/28/07 13:55	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33282.08
Sample Tag: PITA16(082107)WB
Collected Date/Time: 08/21/2007 09:50
Matrix: Solid
COC Reference: 044601

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		



Analytical Laboratory Report

Lab Sample ID: S33282.09
Sample Tag: PITA18(082107)WB
Collected Date/Time: 08/21/2007 10:10
Matrix: Solid
COC Reference: 044601

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 16:11	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 16:11	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 16:11	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 16:11	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 16:11	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/29/07 16:11	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 16:11	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33282.10
Sample Tag: PITA20(082107)WB
Collected Date/Time: 08/21/2007 10:20
Matrix: Solid
COC Reference: 044601

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		



Analytical Laboratory Report

Lab Sample ID: S33282.11
Sample Tag: PITT23(082107)WB
Collected Date/Time: 08/21/2007 10:30
Matrix: Solid
COC Reference: 044601

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		
Mercury Digestion	Completed			7471A	08/27/07 13:00	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	3.81	mg/kg	0.10	6020	09/05/07 13:52	PER	7440-38-2	
Barium	128	mg/kg	1.0	6020	09/05/07 13:52	PER	7440-39-3	
Cadmium	7.24	mg/kg	0.20	6020	09/05/07 13:52	PER	7440-43-9	
Chromium	261	mg/kg	1.0	6020	09/05/07 13:52	PER	7440-47-3	
Lead	1,220	mg/kg	1.0	6020	09/05/07 13:55	PER	7439-92-1	
Mercury	0.076	mg/kg	0.050	7471A	08/27/07 15:36	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 13:52	PER	7782-49-2	
Silver	1.84	mg/kg	0.10	6020	09/05/07 13:52	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/28/07 14:05	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/28/07 14:05	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/28/07 14:05	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/28/07 14:05	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/28/07 14:05	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/28/07 14:05	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	08/28/07 14:05	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33282.12
Sample Tag: PITO19(082107)WB
Collected Date/Time: 08/21/2007 10:50
Matrix: Solid
COC Reference: 044601

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		



Analytical Laboratory Report

Lab Sample ID: S33282.13
Sample Tag: PITO14(082107)WB
Collected Date/Time: 08/21/2007 11:05
Matrix: Solid
COC Reference: 044602

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/29/07 11:01	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/29/07 11:01	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/29/07 11:01	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/29/07 11:01	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/29/07 11:01	JANB	12672-29-6	
PCB-1254	2,800	ug/kg	1,000	8082	08/29/07 11:01	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/29/07 11:01	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33282.14
Sample Tag: PITT8(082107)WB
Collected Date/Time: 08/21/2007 11:15
Matrix: Solid
COC Reference: 044602

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		



Analytical Laboratory Report

Lab Sample ID: S33282.15
Sample Tag: PITT2(082107)WB
Collected Date/Time: 08/21/2007 11:20
Matrix: Solid
COC Reference: 044602

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/28/07 14:26	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/28/07 14:26	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/28/07 14:26	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/28/07 14:26	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/28/07 14:26	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/28/07 14:26	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	08/28/07 14:26	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33282.16
Sample Tag: PITO4(082107)WB
Collected Date/Time: 08/21/2007 12:25
Matrix: Solid
COC Reference: 044602

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		



Analytical Laboratory Report

Lab Sample ID: S33282.17
Sample Tag: PITN4(082107)WB
Collected Date/Time: 08/21/2007 12:35
Matrix: Solid
COC Reference: 044602

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/28/07 14:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/28/07 14:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/28/07 14:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/28/07 14:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/28/07 14:37	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/28/07 14:37	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/28/07 14:37	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33282.18
Sample Tag: PITN5(082107)WB
Collected Date/Time: 08/21/2007 12:45
Matrix: Solid
COC Reference: 044602

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		



Analytical Laboratory Report

Lab Sample ID: S33282.19
Sample Tag: PITM3(082107)WB
Collected Date/Time: 08/21/2007 12:55
Matrix: Solid
COC Reference: 044602

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/28/07 14:47	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/28/07 14:47	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/28/07 14:47	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/28/07 14:47	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/28/07 14:47	JANB	12672-29-6	
PCB-1254	1,000	ug/kg	1,000	8082	08/28/07 14:47	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/28/07 14:47	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33282.20
Sample Tag: PITK2(082107)WB
Collected Date/Time: 08/21/2007 13:10
Matrix: Solid
COC Reference: 044602

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		



Analytical Laboratory Report

Lab Sample ID: S33282.21
Sample Tag: PITJ3(082107)WB
Collected Date/Time: 08/21/2007 13:20
Matrix: Solid
COC Reference: 044602

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/28/07 14:58	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/28/07 14:58	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/28/07 14:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/28/07 14:58	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/28/07 14:58	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/28/07 14:58	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/28/07 14:58	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33282.22
Sample Tag: PITH4(082107)WB
Collected Date/Time: 08/21/2007 13:35
Matrix: Solid
COC Reference: 044602

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		



Analytical Laboratory Report

Lab Sample ID: S33282.23
Sample Tag: PITG9(082107)WB
Collected Date/Time: 08/21/2007 13:45
Matrix: Solid
COC Reference: 044602

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		
Mercury Digestion	Completed			7471A	08/27/07 13:00	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	0.92	mg/kg	0.10	6020	09/05/07 13:57	PER	7440-38-2	
Barium	169	mg/kg	1.0	6020	09/05/07 13:57	PER	7440-39-3	
Cadmium	2.67	mg/kg	0.20	6020	09/05/07 13:57	PER	7440-43-9	
Chromium	35.2	mg/kg	1.0	6020	09/05/07 13:57	PER	7440-47-3	
Lead	1,900	mg/kg	1.0	6020	09/05/07 14:03	PER	7439-92-1	
Mercury	0.063	mg/kg	0.050	7471A	08/27/07 15:38	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 13:57	PER	7782-49-2	
Silver	0.28	mg/kg	0.10	6020	09/05/07 13:57	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/28/07 15:08	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/28/07 15:08	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/28/07 15:08	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/28/07 15:08	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/28/07 15:08	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/28/07 15:08	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/28/07 15:08	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33282.24
Sample Tag: PITO10(082107)WB
Collected Date/Time: 08/21/2007 13:55
Matrix: Solid
COC Reference: 044602

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	n/a	n/a

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/23/07 11:16	JAC		



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C.O.C. PAGE # 1 OF 2

INVOICE TO

INVOICE TO

CONTACT NAME		<i>John McKenna</i>		☒ SAME	
COMPANY					
ADDRESS					
CITY				STATE	ZIP CODE
PHONE NO.		FAX NO.		P.O. NO.	
ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)					

PROJECT NO./NAME		SAMPLER(S) - PLEASE PRINT/SIGN NAME								SPECIAL INSTRUCTIONS/NOTES									
GM West Muffin - 64490																			
TURNAROUND TIME REQUIRED		☐ 24 HR	☐ 48 HR	☐ 72 HR	☒ STANDARD	☐ OTHER													
DELIVERABLES REQUIRED		☐ STANDARD	☐ LEVEL II	☐ LEVEL III	☐ OTHER														
MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC	# Containers & Preservatives													
MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER							
	DATE	TIME																	
332820	8-21-07	7:50	PIT G2 (082107) WB	SD									X						
.02		8:05	PIT E1 (082107) WB										X						
.03		8:15	PIT B2 (082107) WB										X						
.04		8:25	PIT A3 (082107) WB										X						
.05		8:35	PIT A5 (082107) WB										X						
.06		8:50	PIT A9 (082107) WB										X						
.07		9:30	PIT A12 (082107) WB										X						
.08		9:50	PIT A16 (082107) WB										X						
.09		10:10	PIT A18 (082107) WB										X						
.10		10:20	PIT A20 (082107) WB										X						
.11		10:30	PIT T23 (082107) WB										X	X					
.12		10:50	PIT O19 (082107) WB										X						

RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>Shehla / AREAS</i>	DATE 8-27-07	TIME 1600	RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	RECEIVED BY: SIGNATURE/ORGANIZATION	<i>Paula</i>	DATE 8-22-07	TIME 1100
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Merit

Laboratories, Inc.

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 Phone (517) 332-0167 Fax (517) 332-6333
 www.meritlabs.com

C.O.C. PAGE # 2 OF 2

044602

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME John McKenna				CONTACT NAME X SAME			
COMPANY ARCADIS BBL				COMPANY			
ADDRESS 10559 Citation Drive				ADDRESS			
CITY Brighton #1		STATE MI	ZIP CODE 48116	CITY		STATE	ZIP CODE
PHONE NO. 810.229.8894		FAX NO. 810.229.8837		PHONE NO.		FAX NO.	
E-MAIL ADDRESS John.mckenna@arcadis-us.com				P.O. NO. 64490/107200			
QUOTE NO.				ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)			

PROJECT NO./NAME 6m West Mifflin -64490				SAMPLER(S) - PLEASE PRINT/SIGN NAME												SPECIAL INSTRUCTIONS/NOTES													
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER																													
DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER																													
MATRIX CODE:		GW=GROUNDWATER SL=SLUDGE		WW=WASTEWATER O=OIL		S=SOIL A=AIR		L=LIQUID W=WASTE		SD=SOLID M=MISC		# Containers & Preservatives																	
MERIT LAB NO.	YEAR DATE TIME		SAMPLE TAG IDENTIFICATION-DESCRIPTION				MATRIX	# OF BOTTLES	NONE	HCL	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER														
33282.138	2007	1105	PIT 014 (082107) WB													X													
.14		1115	PIT T8 (082107) WB													X													
.15		1120	PIT T2 (082107) WB													X													
.16		1225	PIT 04 (082107) WB													X													
.17		1235	PIT N4 (082107) WB													X													
.18		1245	PIT N5 (082107) WB													X													
.19		1255	PIT M3 (082107) WB													X													
.20		1310	PIT K2 (082107) WB													X													
.21		1320	PIT J3 (082107) WB													X													
.22		1335	PIT H4 (082107) WB													X													
.23		1345	PIT 69 (082107) WB													X	X												
.24		1355	PIT 010 (082107) WB													X													

RELINQUISHED BY: SIGNATURE/ORGANIZATION ghe mck	DATE 8-21-07	TIME 1600	RELINQUISHED BY: SIGNATURE/ORGANIZATION Pauland	DATE 8-22-07	TIME 1100
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
			NOTES: TEMP. ON ARRIVAL 1		

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE



Analytical Laboratory Report

Report ID: S33337.01(01)

Generated on 09/05/2007

Report to

Attention: Wendy White/ Beth Nanzer

Arcadis BBL

10559 Citation Drive

Suite 100

Brighton, MI 48116

Phone: 810-229-8823 FAX: 810-229-8837

Email: wsw@arcadis-us.com/Bethany.Nanzer@arcadis-us.com

Report produced by

Merit Laboratories

2680 East Lansing Drive

East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S33337.01-S33337.32

Project: GM West Mifflin

Collected Date: 08/23/2007 - 08/24/2007

Submitted Date/Time: 08/27/2007 10:15

Sampled by: Crystal Mueller

P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak

Laboratory Director



Analytical Laboratory Report

Sample Summary (32 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S33337.01	PITD18-B(082307)CC	Solid	08/23/2007 08:10
S33337.02	PITC15-2-B(082307)CC	Solid	08/23/2007 08:40
S33337.03	PITD10-B(082307)CC	Solid	08/23/2007 09:15
S33337.04	PITBAILER(082307)CC	Solid	08/23/2007 10:00
S33337.05	PITT25(082307)CC	Solid	08/23/2007 10:15
S33337.06	PITK5(082307)SD	Solid	08/23/2007 16:00
S33337.07	PIT-03501(082307)NL	Oil	08/23/2007 16:05
S33337.08	PIT-03500(082307)NL	Oil	08/23/2007 16:10
S33337.09	PIT85-36058(082307)WP	Wipe	08/23/2007 16:40
S33337.10	PIT85-36056(082307)WP	Wipe	08/23/2007 16:45
S33337.11	PIT85-36060(082307)WP	Wipe	08/23/2007 16:50
S33337.12	PITL28(082307)SL	Sludge	08/23/2007 16:55
S33337.13	PITTRACK4(082307)SD	Solid	08/23/2007 17:00
S33337.14	PITBCONV(082307)BM	Solid	08/23/2007 17:15
S33337.15	PIT77-23510(082307)WP	Wipe	08/23/2007 17:30
S33337.16	PITA1&A2PRESS(082407)NL	Oil	08/24/2007
S33337.17	PITA3-A7PRESS(082407)SL	Sludge	08/24/2007
S33337.18	PITB1-B7PRESS(082407)NL	Oil	08/24/2007
S33337.19	PITB2PRESS(082407)SL	Sludge	08/24/2007 10:15
S33337.20	PITG1PRESS(082407)NL	Oil	08/24/2007 10:45
S33337.21	PITG2PRESS(082407)NL	Oil	08/24/2007 10:50
S33337.22	PITG3PRESS(082407)NL	Oil	08/24/2007 10:55
S33337.23	PITG4PRESS(082407)NL	Oil	08/24/2007 11:05
S33337.24	PITG5PRESS(082407)NL	Oil	08/24/2007 11:15
S33337.25	PITG6PRESS(082407)NL	Oil	08/24/2007 11:30
S33337.26	PITG7PRESS(082407)NL	Oil	08/24/2007 13:00
S33337.27	PITA4SUMP(082407)SD	Solid	08/24/2007 13:15
S33337.28	PITJ4SUMP(082407)SD	Solid	08/24/2007 13:30
S33337.29	PITF9SUMP(082407)SD	Solid	08/24/2007 13:40
S33337.30	PITM21SUMP(082407)SL	Sludge	08/24/2007 14:00
S33337.31	PITSP1-SP4PRESS(082407)NL	Oil	08/24/2007
S33337.32	PITSG1-SG4PRESS(082407)NL	Oil	08/24/2007



Analytical Laboratory Report

Lab Sample ID: S33337.01
Sample Tag: PITD18-B(082307)CC
Collected Date/Time: 08/23/2007 08:10
Matrix: Solid
COC Reference: 044607

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	08/29/07 17:04	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	08/29/07 17:04	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	08/29/07 17:04	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	08/29/07 17:04	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	08/29/07 17:04	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	08/29/07 17:04	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	08/29/07 17:04	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.02
Sample Tag: P1TC15-2-B(082307)CC
Collected Date/Time: 08/23/2007 08:40
Matrix: Solid
COC Reference: 044607

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	08/29/07 17:14	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	08/29/07 17:14	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	08/29/07 17:14	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	08/29/07 17:14	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	08/29/07 17:14	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	08/29/07 17:14	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	08/29/07 17:14	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.03
Sample Tag: PITD10-B(082307)CC
Collected Date/Time: 08/23/2007 09:15
Matrix: Solid
COC Reference: 044607

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	08/30/07 15:19	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	08/30/07 15:19	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	08/30/07 15:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	08/30/07 15:19	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	08/30/07 15:19	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	08/30/07 15:19	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	08/30/07 15:19	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33337.04
Sample Tag: PITBAILER(082307)CC
Collected Date/Time: 08/23/2007 10:00
Matrix: Solid
COC Reference: 044607

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	08/31/07 10:44	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	08/31/07 10:44	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	08/31/07 10:44	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	08/31/07 10:44	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	08/31/07 10:44	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	08/31/07 10:44	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	08/31/07 10:44	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.05
Sample Tag: PITT25(082307)CC
Collected Date/Time: 08/23/2007 10:15
Matrix: Solid
COC Reference: 044607

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	08/30/07 16:42	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	08/30/07 16:42	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	08/30/07 16:42	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	08/30/07 16:42	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	08/30/07 16:42	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	08/30/07 16:42	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	08/30/07 16:42	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33337.06
Sample Tag: PITK5(082307)SD
Collected Date/Time: 08/23/2007 16:00
Matrix: Solid
COC Reference: 044607

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 14:01	TAS		

Inorganics

Total Solids	92	%	1	160.3	08/27/07 14:20	JRT		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	08/30/07 12:33	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	08/30/07 12:33	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	08/30/07 12:33	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	08/30/07 12:33	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	08/30/07 12:33	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	08/30/07 12:33	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	08/30/07 12:33	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33337.07
Sample Tag: PIT-03501(082307)NL
Collected Date/Time: 08/23/2007 16:05
Matrix: Oil
COC Reference: 044607

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 14:01	TAS		
Mercury Digestion	Completed			7471A	08/27/07 13:00	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	2.26	mg/kg	0.10	6020	09/05/07 14:05	PER	7440-38-2	
Barium	79.2	mg/kg	1.0	6020	09/05/07 14:05	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	09/05/07 14:05	PER	7440-43-9	
Chromium	6.6	mg/kg	1.0	6020	09/05/07 14:05	PER	7440-47-3	
Lead	3.1	mg/kg	1.0	6020	09/05/07 14:05	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/27/07 15:43	JRT	7439-97-6	
Selenium	0.48	mg/kg	0.40	6020	09/05/07 14:05	PER	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	09/05/07 14:05	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/30/07 12:54	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/30/07 12:54	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/30/07 12:54	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/30/07 12:54	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/30/07 12:54	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/30/07 12:54	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/30/07 12:54	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.08
Sample Tag: PIT-03500(082307)NL
Collected Date/Time: 08/23/2007 16:10
Matrix: Oil
COC Reference: 044607

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 14:01	TAS		
Mercury Digestion	Completed			7471A	08/27/07 13:00	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	Not detected	mg/kg	0.10	6020	09/05/07 14:19	PER	7440-38-2	
Barium	2.4	mg/kg	1.0	6020	09/05/07 14:19	PER	7440-39-3	
Cadmium	5.27	mg/kg	0.20	6020	09/05/07 14:19	PER	7440-43-9	
Chromium	1.7	mg/kg	1.0	6020	09/05/07 14:19	PER	7440-47-3	
Lead	2.9	mg/kg	1.0	6020	09/05/07 14:19	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/27/07 15:45	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 14:19	PER	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	09/05/07 14:19	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/30/07 13:15	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/30/07 13:15	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/30/07 13:15	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/30/07 13:15	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/30/07 13:15	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/30/07 13:15	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/30/07 13:15	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.09
Sample Tag: PIT85-36058(082307)WP
Collected Date/Time: 08/23/2007 16:40
Matrix: Wipe
COC Reference: 044607

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/30/07 15:29	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/30/07 15:29	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/30/07 15:29	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/30/07 15:29	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/30/07 15:29	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	08/30/07 15:29	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	08/30/07 15:29	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.10
Sample Tag: PIT85-36056(082307)WP
Collected Date/Time: 08/23/2007 16:45
Matrix: Wipe
COC Reference: 044607

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/28/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/30/07 15:50	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/30/07 15:50	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/30/07 15:50	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/30/07 15:50	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/30/07 15:50	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	08/30/07 15:50	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	08/30/07 15:50	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.11
Sample Tag: PIT85-36060(082307)WP
Collected Date/Time: 08/23/2007 16:50
Matrix: Wipe
COC Reference: 044607

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/30/07 16:11	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/30/07 16:11	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/30/07 16:11	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/30/07 16:11	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/30/07 16:11	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	08/30/07 16:11	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	08/30/07 16:11	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.12
Sample Tag: PITL28(082307)SL
Collected Date/Time: 08/23/2007 16:55
Matrix: Sludge
COC Reference: 044607

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Inorganics

Total Solids	87	%	1	160.3	08/27/07 14:20	JRT		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/31/07 11:16	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/31/07 11:16	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/31/07 11:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/31/07 11:16	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/31/07 11:16	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/31/07 11:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/31/07 11:16	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.13
Sample Tag: PITTRACK4(082307)SD
Collected Date/Time: 08/23/2007 17:00
Matrix: Solid
COC Reference: 044608

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Inorganics

Total Solids	83	%	1	160.3	08/27/07 14:20	JRT		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/31/07 11:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/31/07 11:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/31/07 11:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/31/07 11:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/31/07 11:37	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/31/07 11:37	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/31/07 11:37	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.14
Sample Tag: PITBCONV(082307)BM
Collected Date/Time: 08/23/2007 17:15
Matrix: Solid
COC Reference: 044608

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Inorganics

Total Solids	74	%	1	160.3	08/27/07 14:20	JRT		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	08/31/07 10:34	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	08/31/07 10:34	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	08/31/07 10:34	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	08/31/07 10:34	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	08/31/07 10:34	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	08/31/07 10:34	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	08/31/07 10:34	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33337.15
Sample Tag: PIT77-23510(082307)WP
Collected Date/Time: 08/23/2007 17:30
Matrix: Wipe
COC Reference: 044608

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	09/04/07 13:16	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	09/04/07 13:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	09/04/07 13:16	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	09/04/07 13:16	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	09/04/07 13:16	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	09/04/07 13:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	09/04/07 13:16	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.16
Sample Tag: PITA1&A2PRESS(082407)NL
Collected Date/Time: 08/24/2007 :
Matrix: Oil
COC Reference: 044608

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/31/07 10:55	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/31/07 10:55	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/31/07 10:55	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/31/07 10:55	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/31/07 10:55	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/31/07 10:55	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/31/07 10:55	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.17
Sample Tag: PITA3-A7PRESS(082407)SL
Collected Date/Time: 08/24/2007 :
Matrix: Sludge
COC Reference: 044608

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
5	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Inorganics

Total Solids	97	%	1	160.3	08/27/07 14:20	JRT		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	09/04/07 13:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/04/07 13:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/04/07 13:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/04/07 13:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/04/07 13:37	JANB	12672-29-6	
PCB-1254	800	ug/kg	330	8082	09/04/07 13:37	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/04/07 13:37	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.18
Sample Tag: PITB1-B7PRESS(082407)NL
Collected Date/Time: 08/24/2007 :
Matrix: Oil
COC Reference: 044608

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
6	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/30/07 14:16	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/30/07 14:16	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/30/07 14:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/30/07 14:16	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/30/07 14:16	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/30/07 14:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/30/07 14:16	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.19
Sample Tag: PITB2PRESS(082407)SL
Collected Date/Time: 08/24/2007 10:15
Matrix: Sludge
COC Reference: 044609

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/31/07 16:38	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/31/07 16:38	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/31/07 16:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/31/07 16:38	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/31/07 16:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/31/07 16:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/31/07 16:38	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.20
Sample Tag: PITG1PRESS(082407)NL
Collected Date/Time: 08/24/2007 10:45
Matrix: Oil
COC Reference: 044609

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/30/07 12:12	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/30/07 12:12	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/30/07 12:12	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/30/07 12:12	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/30/07 12:12	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/30/07 12:12	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/30/07 12:12	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.21
Sample Tag: PITG2PRESS(082407)NL
Collected Date/Time: 08/24/2007 10:50
Matrix: Oil
COC Reference: 044609

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/30/07 14:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/30/07 14:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/30/07 14:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/30/07 14:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/30/07 14:37	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/30/07 14:37	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/30/07 14:37	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.22
Sample Tag: PITG3PRESS(082407)NL
Collected Date/Time: 08/24/2007 10:55
Matrix: Oil
COC Reference: 044609

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/31/07 16:17	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/31/07 16:17	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/31/07 16:17	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/31/07 16:17	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/31/07 16:17	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/31/07 16:17	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	08/31/07 16:17	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33337.23
Sample Tag: PITG4PRESS(082407)NL
Collected Date/Time: 08/24/2007 11:05
Matrix: Oil
COC Reference: 044609

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/31/07 16:59	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/31/07 16:59	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/31/07 16:59	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/31/07 16:59	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/31/07 16:59	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/31/07 16:59	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/31/07 16:59	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.24
Sample Tag: PITG5PRESS(082407)NL
Collected Date/Time: 08/24/2007 11:15
Matrix: Oil
COC Reference: 044609

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/30/07 14:58	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/30/07 14:58	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/30/07 14:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/30/07 14:58	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/30/07 14:58	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/30/07 14:58	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/30/07 14:58	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.25
Sample Tag: PITG6PRESS(082407)NL
Collected Date/Time: 08/24/2007 11:30
Matrix: Oil
COC Reference: 044609

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/31/07 17:20	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/31/07 17:20	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/31/07 17:20	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/31/07 17:20	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/31/07 17:20	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/31/07 17:20	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/31/07 17:20	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.26
Sample Tag: PITG7PRESS(082407)NL
Collected Date/Time: 08/24/2007 13:00
Matrix: Oil
COC Reference: 044609

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/31/07 17:41	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/31/07 17:41	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/31/07 17:41	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/31/07 17:41	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/31/07 17:41	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/31/07 17:41	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/31/07 17:41	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.27
Sample Tag: PITA4SUMP(082407)SD
Collected Date/Time: 08/24/2007 13:15
Matrix: Solid
COC Reference: 044610

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Inorganics

Total Solids	74	%	1	160.3	08/27/07 14:20	JRT		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	09/04/07 12:44	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/04/07 12:44	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/04/07 12:44	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/04/07 12:44	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/04/07 12:44	JANB	12672-29-6	
PCB-1254	400	ug/kg	330	8082	09/04/07 12:44	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/04/07 12:44	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.28
Sample Tag: PITJ4SUMP(082407)SD
Collected Date/Time: 08/24/2007 13:30
Matrix: Solid
COC Reference: 044610

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Inorganics

Total Solids	29	%	1	160.3	08/27/07 14:20	JRT		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	09/04/07 13:48	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/04/07 13:48	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/04/07 13:48	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/04/07 13:48	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/04/07 13:48	JANB	12672-29-6	
PCB-1254	700	ug/kg	330	8082	09/04/07 13:48	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/04/07 13:48	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.30
Sample Tag: PITM21SUMP(082407)SL
Collected Date/Time: 08/24/2007 14:00
Matrix: Sludge
COC Reference: 044610

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/29/07 14:01	TAS		

Inorganics

Total Solids	67	%	1	160.3	08/27/07 14:20	JRT		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	09/04/07 14:30	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/04/07 14:30	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/04/07 14:30	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/04/07 14:30	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/04/07 14:30	JANB	12672-29-6	
PCB-1254	900	ug/kg	330	8082	09/04/07 14:30	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/04/07 14:30	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.31
Sample Tag: PITSP1-SP4PRESS(082407)NL
Collected Date/Time: 08/24/2007 :
Matrix: Oil
COC Reference: 044610

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 14:09	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 14:09	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 14:09	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 14:09	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 14:09	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 14:09	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 14:09	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33337.32

Sample Tag: PITSG1-SG4PRESS(082407)NL

Collected Date/Time: 08/24/2007 :

Matrix: Oil

COC Reference: 044610

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	40ml Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 14:20	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 14:20	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 14:20	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 14:20	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 14:20	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 14:20	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 14:20	JANB	11096-82-5	

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C.O.C. PAGE # 2 OF 4

044608

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME <u>Wendy White</u>			
COMPANY <u>ARCADIS / BBC</u>			
ADDRESS <u>10559 CANTON</u>			
CITY <u>BRIGHTON</u>	STATE <u>MI</u>	ZIP CODE <u>48116</u>	
PHONE NO. <u>810 229 8823</u>	FAX NO. <u>810 229 8837</u>	P.O. NO. <u>89632</u>	
E-MAIL ADDRESS <u>Wendy.White@ARCADIS-US.COM</u>			
QUOTE NO.			

CONTACT NAME <u>Ken Gember</u>			☐ SAME
COMPANY <u>GM</u>			
ADDRESS			
CITY	STATE	ZIP CODE	
PHONE NO.	FAX NO.	P.O. NO.	

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME <u>GM West Mifflin</u>			SAMPLER(S) - PLEASE PRINT/SIGN NAME <u>Crystal Muehlen/Gember</u>										SPECIAL INSTRUCTIONS/NOTES									
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER																						
DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER																						
MATRIX CODE:		GW=GROUNDWATER		WW=WASTEWATER		S=SOIL		L=LIQUID		SD=SOLID		# Containers & Preservatives										
		SL=SLUDGE		O=OIL		A=AIR		W=WASTE		M=MISC												
MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO3	H2SO4	NaOH	MeOH	OTHER										
	DATE	TIME																				
3337.13	8-23-07	1700	PIT TRACKY (082307) SD	SD	1	1																
.14	8-23-07	1715	PIT BCONV (082307) BM	SD	1	1																
.15	8-23-07	1730	PIT 77-23510 (082307) WP	M	1																	
.16	8-24-07	805	PIT A1 PRESS (082407) NL	O	1	1																
		825	PIT A2 PRESS (082407) NL	O	1	1																
		850	PIT A3 PRESS (082407) SL	SL	1	1																
.17		900	PIT A4 PRESS (082407) SL	SL	1	1																
		905	PIT A5 PRESS (082407) SL	SL	1	1																
		910	PIT A6 PRESS (082407) SL	SL	1	1																
.18		915	PIT A7 PRESS (082407) SL	SL	1	1																
		925	PIT B1 PRESS (082407) NL	O	1	1																
		935	PIT B2 PRESS (082407) NL	O	1	1																

Composite A1-A2
First. Hold discrets

Composite A3-A7
First.

Composite B1-B7
B4 Press

RELINQUISHED BY: <u>Crystal Muehlen / ARCADIS</u>		DATE: <u>8-24-07</u>	TIME: <u>1700</u>	RELINQUISHED BY: <u>Barton Richardson</u>		DATE: <u>8-23-07</u>	TIME: <u>10:15</u>
SIGNATURE: <u>[Signature]</u>		DATE: <u>8-24-07</u>	TIME: <u>1700</u>	SIGNATURE: <u>[Signature]</u>		DATE: <u>8-23-07</u>	TIME: <u>10:15</u>
RECEIVED BY: <u>[Signature]</u>		DATE: <u>8-24-07</u>	TIME: <u>1700</u>	RECEIVED BY: <u>[Signature]</u>		DATE: <u>8-23-07</u>	TIME: <u>10:15</u>
SEAL NO.		SEAL INTACT YES ☐ NO ☐		INITIALS		NOTES: TEMP. ON ARRIVAL <u>4.4</u>	
SEAL NO.		SEAL INTACT YES ☐ NO ☐		INITIALS			

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 3 OF 4

044609

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME <u>Wendy White</u>	
COMPANY <u>ARCADIS</u>	
ADDRESS <u>10559 CITATION</u>	
CITY <u>BRIGHTON</u>	STATE <u>MI</u> ZIP CODE <u>48116</u>
PHONE NO. <u>810 229 8894</u>	FAX NO. <u>810 229 8831</u>
E-MAIL ADDRESS <u>Wendy.White@Arcadis-US.com</u>	
QUOTE NO.	

CONTACT NAME <u>Kent Gengel</u>		☐ SAME
COMPANY <u>GENERAL MOTORS CORPORATION</u>		
ADDRESS		
CITY	STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME <u>GM WEST MIFFLIN</u>		SAMPLER(S) - PLEASE PRINT/SIGN NAME <u>CRYSTAL MASON/Gund</u>												SPECIAL INSTRUCTIONS/NOTES												
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER																										
DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER																										
MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC	# Containers & Preservatives																				
MATRIX	DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION		MATRIX	# OF BOTTLES	NONE	HCL	HNO3	H2SO4	NaOH	MeOH	OTHER													
33337.18	8/24/07	950	PITB4 PRESS (082407) NL		0	1									Composite B1-B7 first. Hold discrete samples											
sludge	.19	1000	PITB3 PRESS (082407) NL		0	1																				
		1015	PITB2 PRESS (082407) SL		SL	1																				
		1020	PITB6 PRESS (082407) NL		0	1																				
		1030	PITB7 PRESS (082407) NL		0	1																				
		1045	PITG1 PRESS (082407) NL		0	1																				
.20		1050	PITG2 PRESS (082407) NL		0	1																				
.21		1055	PITG3 PRESS (082407) NL		0	1																				
.22		1105	PITG4 PRESS (082407) NL		0	1																				
.23		1115	PITG5 PRESS (082407) NL		0	1																				
.24		1130	PITG6 PRESS (082407) NL		0	1																				
.25		1300	PITG7 PRESS (082407) NL		0	1																				
.26																										

RELINQUISHED BY: <u>Sgt. M. W. / ARCADIS</u>	DATE <u>8-24-07</u> TIME <u>1700</u>	RELINQUISHED BY: <u>Bartne Richardson</u>	DATE <u>8-27-07</u> TIME <u>10:15</u>			
RECEIVED BY: <u>Sgt. M. W. / ARCADIS</u>	DATE <u>8-24-07</u> TIME <u>1700</u>	RECEIVED BY: <u>Bartne Richardson</u>	DATE <u>8-27-07</u> TIME <u>10:15</u>			
RELINQUISHED BY: <u>Sgt. M. W. / ARCADIS</u>	DATE <u>8-24-07</u> TIME <u>1700</u>	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES:	TEMP. ON ARRIVAL <u>4.4</u>
RECEIVED BY: <u>Sgt. M. W. / ARCADIS</u>	DATE <u>8-24-07</u> TIME <u>1700</u>	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS		

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE PER CONTRACT TSC

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044610

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Wendy White			
COMPANY ARCADIS			
ADDRESS 10559 CITATION			
CITY BRIGHTON	STATE MI	ZIP CODE 48116	
PHONE NO. 810 229 8537	FAX NO. 810 229 8894	P.O. NO.	
E-MAIL ADDRESS Wendy.White@ARCADIS-US.COM		QUOTE NO.	

CONTACT NAME KEN GEMER			☐ SAME
COMPANY GENERAL MOTORS			
ADDRESS			
CITY	STATE	ZIP CODE	
PHONE NO.	FAX NO.	P.O. NO.	

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME GM. WEST MIFLIN			SAMPLER(S) - PLEASE PRINT/SIGN NAME Crystal Muehlen										SPECIAL INSTRUCTIONS/NOTES										
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER																							
DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER																							
MATRIX CODE:		GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC	# Containers & Preservatives																
MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER											
	DATE	TIME																					
33337.27	8/24/07	1315	PIT45UMP(082407)SD	S	1	1							X										
.28			1330 PITJ4SUMP(082407)SD	S	1	1																	
.29			1340 PITJ4SUMP(082407)SD	S	1	1																	
.30			1400 PITM2ISUMP(082407)SL	SL	1	1																	
.31			1410 PITSP1PRESS(082407)NL	O	1	1								Composite SP1-SP4 first Hold discrete samples									
			1425 PITSP2PRESS(082407)NL	O	1	1																	
			1435 PITSP3PRESS(082407)NL	O	1	1																	
			1450 PITSP4PRESS(082407)NL	O	1	1																	
.32			1455 PITSG1PRESS(082407)NL	O	1	1							Composite SG1-SG4 first Hold discrete samples										
			1505 PITSG2PRESS(082407)NL	O	1	1																	
			1515 PITSG3PRESS(082407)NL	O	1	1																	
			1530 PITSG4PRESS(082407)NL	O	1	1																	

RELINQUISHED BY: SIGNATURE/ORGANIZATION Shu Lin / ARCADIS	DATE 8/24/07	TIME 1700
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION Bartua Rukhant	DATE 8-27-07	TIME 10:15
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
NOTES:		TEMP. ON ARRIVAL 4.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE PER CONTRACT T&C



Analytical Laboratory Report

Report ID: S33354.01(01)

Generated on 09/05/2007

Report to

Attention: Wendy White/ Beth Nanzer

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Phone: 810-229-8823 FAX: 810-229-8837

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Report produced by

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Report Summary

Lab Sample ID(s): S33354.01-S33354.23

Project: GM West Mifflin

Collected Date: 08/27/2007

Submitted Date/Time: 08/28/2007 10:15

Sampled by: Crystal Mueller

P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.

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A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak

Laboratory Director



Analytical Laboratory Report

Sample Summary (23 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S33354.01	PITBCRANERAIL(082707)WP	Wipe	08/27/2007 07:25
S33354.02	PITCRANEHEAD(082707)WP	Wipe	08/27/2007 07:35
S33354.03	PITH8TRUSS(082707)WP	Wipe	08/27/2007 07:45
S33354.04	PITH19TRUSS(082707)WP	Wipe	08/27/2007 07:55
S33354.05	PITP20TRUSS(082707)WP	Wipe	08/27/2007 08:10
S33354.06	PITL10TRUSS(082707)WP	Wipe	08/27/2007 08:30
S33354.07	PITB6-BTRUSS(082707)WP	Wipe	08/27/2007 08:40
S33354.08	PITF9-BTRUSS(082707)WP	Wipe	08/27/2007 08:50
S33354.09	PITC16-1-BTRUSS(082707)WP	Wipe	08/27/2007 08:55
S33354.10	PITE21-2-BTRUSS(082707)WP	Wipe	08/27/2007 09:00
S33354.11	PITASUMP-B(082707)NL	Oil	08/27/2007 09:40
S33354.12	PITMANHOLE(082707)SL	Sludge	08/27/2007 10:00
S33354.13	PITH1 to H5 PRESS(082707)NL	Oil	08/27/2007
S33354.14	PITK3 & K4 PRESS(082707)SL	Sludge	08/27/2007
S33354.15	PITK5PRESS(082707)NL	Oil	08/27/2007 12:30
S33354.16	PITN1,N3 PRESS(082707)NL	Oil	08/27/2007
S33354.17	PITN2,N4,N5 PRESS(082707)SL	Sludge	08/27/2007
S33354.18	PITO1,02,04,05,06PRESS(082707)NL	Oil	08/27/2007
S33354.19	PITO3PRESS(082707)SL	Sludge	08/27/2007 13:50
S33354.20	PITA03018(082707)SL	Sludge	08/27/2007 15:05
S33354.21	PITA05502(082707)WP	Wipe	08/27/2007 15:15
S33354.22	PITC3SPOTPRESS(082707)WP	Wipe	08/27/2007 15:30
S33354.23	PITA03466(082707)NL	Oil	08/27/2007 15:40



Analytical Laboratory Report

Lab Sample ID: S33354.01
Sample Tag: PITBCRANERAIL(082707)WP
Collected Date/Time: 08/27/2007 07:25
Matrix: Wipe
COC Reference: 044611

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/30/07 17:03	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/30/07 17:03	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/30/07 17:03	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/30/07 17:03	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/30/07 17:03	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	08/30/07 17:03	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	08/30/07 17:03	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.02
Sample Tag: PITCRANEHEAD(082707)WP
Collected Date/Time: 08/27/2007 07:35
Matrix: Wipe
COC Reference: 044611

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/30/07 17:13	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/30/07 17:13	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/30/07 17:13	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/30/07 17:13	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/30/07 17:13	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	08/30/07 17:13	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	08/30/07 17:13	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.03
Sample Tag: PITH8TRUSS(082707)WP
Collected Date/Time: 08/27/2007 07:45
Matrix: Wipe
COC Reference: 044611

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/30/07 16:10	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/30/07 16:10	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/30/07 16:10	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/30/07 16:10	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/30/07 16:10	JANB	12672-29-6	
PCB-1254	1	ug/100cm2	1	8082	08/30/07 16:10	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	08/30/07 16:10	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.04
Sample Tag: PITH19TRUSS(082707)WP
Collected Date/Time: 08/27/2007 07:55
Matrix: Wipe
COC Reference: 044611

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/31/07 14:44	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/31/07 14:44	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/31/07 14:44	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/31/07 14:44	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/31/07 14:44	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	08/31/07 14:44	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	08/31/07 14:44	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.05
Sample Tag: PITP20TRUSS(082707)WP
Collected Date/Time: 08/27/2007 08:10
Matrix: Wipe
COC Reference: 044611

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/30/07 16:21	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/30/07 16:21	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/30/07 16:21	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/30/07 16:21	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/30/07 16:21	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	08/30/07 16:21	JANB	11097-69-1	J
PCB-1260	Not detected	ug/100cm2	1	8082	08/30/07 16:21	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33354.06
Sample Tag: PITL10TRUSS(082707)WP
Collected Date/Time: 08/27/2007 08:30
Matrix: Wipe
COC Reference: 044611

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/30/07 16:32	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/30/07 16:32	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/30/07 16:32	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/30/07 16:32	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/30/07 16:32	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	08/30/07 16:32	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	08/30/07 16:32	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.07
Sample Tag: PITB6-BTRUSS(082707)WP
Collected Date/Time: 08/27/2007 08:40
Matrix: Wipe
COC Reference: 044611

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/30/07 17:24	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/30/07 17:24	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/30/07 17:24	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/30/07 17:24	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/30/07 17:24	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	08/30/07 17:24	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	08/30/07 17:24	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.08
Sample Tag: PITF9-BTRUSS(082707)WP
Collected Date/Time: 08/27/2007 08:50
Matrix: Wipe
COC Reference: 044611

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/30/07 16:52	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/30/07 16:52	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/30/07 16:52	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/30/07 16:52	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/30/07 16:52	JANB	12672-29-6	
PCB-1254	2.8	ug/100cm2	1	8082	08/30/07 16:52	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	08/30/07 16:52	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.09
Sample Tag: P1TC16-1-BTRUSS(082707)WP
Collected Date/Time: 08/27/2007 08:55
Matrix: Wipe
COC Reference: 044611

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/30/07 16:31	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/30/07 16:31	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/30/07 16:31	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/30/07 16:31	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/30/07 16:31	JANB	12672-29-6	
PCB-1254	3.3	ug/100cm2	1	8082	08/30/07 16:31	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	08/30/07 16:31	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.10
Sample Tag: PITE21-2-BTRUSS(082707)WP
Collected Date/Time: 08/27/2007 09:00
Matrix: Wipe
COC Reference: 044611

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	08/30/07 16:43	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	08/30/07 16:43	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	08/30/07 16:43	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	08/30/07 16:43	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	08/30/07 16:43	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	08/30/07 16:43	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	08/30/07 16:43	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.11
Sample Tag: PITASUMP-B(082707)NL
Collected Date/Time: 08/27/2007 09:40
Matrix: Oil
COC Reference: 044611

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 14:53	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 14:53	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 14:53	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 14:53	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 14:53	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 14:53	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 14:53	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33354.12
Sample Tag: PITMANHOLE(082707)SL
Collected Date/Time: 08/27/2007 10:00
Matrix: Sludge
COC Reference: 044611

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		
Mercury Digestion	Completed			7471A	08/29/07 13:30	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Inorganics

Total Solids	36	%	1	160.3	08/31/07 15:38	WAR		

Metals

Arsenic	9.94	mg/kg	0.25	6020	09/05/07 14:26	PER	7440-38-2	
Barium	246	mg/kg	1.0	6020	09/05/07 14:26	PER	7440-39-3	
Cadmium	18.4	mg/kg	0.20	6020	09/05/07 14:26	PER	7440-43-9	
Chromium	139	mg/kg	1.0	6020	09/05/07 14:26	PER	7440-47-3	
Lead	557	mg/kg	1.0	6020	09/05/07 14:26	PER	7439-92-1	
Mercury	0.586	mg/kg	0.050	7471A	08/29/07 15:56	JRT	7439-97-6	
Selenium	2.38	mg/kg	0.50	6020	09/05/07 14:26	PER	7782-49-2	
Silver	0.71	mg/kg	0.10	6020	09/05/07 14:26	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/31/07 13:31	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/31/07 13:31	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/31/07 13:31	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/31/07 13:31	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/31/07 13:31	JANB	12672-29-6	
PCB-1254	11,000	ug/kg	1,000	8082	08/31/07 13:31	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/31/07 13:31	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.13

Sample Tag: PITH1 to H5 PRESS(082707)NL

Collected Date/Time: 08/27/2007 :

Matrix: Oil

COC Reference: 044606

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
5	40ml Glass	None	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 15:04	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 15:04	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 15:04	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 15:04	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 15:04	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 15:04	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 15:04	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.14

Sample Tag: PITK3 & K4 PRESS(082707)SL

Collected Date/Time: 08/27/2007 :

Matrix: Sludge

COC Reference: 044606

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz. Glass	None	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Inorganics

Total Solids	95	%	1	160.3	08/31/07 15:38	WAR		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 15:14	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 15:14	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 15:14	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 15:14	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 15:14	JANB	12672-29-6	
PCB-1254	1,000	ug/kg	1,000	8082	09/04/07 15:14	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 15:14	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.15
Sample Tag: PITK5PRESS(082707)NL
Collected Date/Time: 08/27/2007 12:30
Matrix: Oil
COC Reference: 044606

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 15:27	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 15:27	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 15:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 15:27	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 15:27	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 15:27	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 15:27	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.16
Sample Tag: PITN1,N3 PRESS(082707)NL
Collected Date/Time: 08/27/2007 :
Matrix: Oil
COC Reference: 044606

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	None	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 15:38	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 15:38	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 15:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 15:38	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 15:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 15:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 15:38	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.17

Sample Tag: PITN2,N4,N5 PRESS(082707)SL

Collected Date/Time: 08/27/2007 :

Matrix: Sludge

COC Reference: 044606

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	4oz. Glass	None	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 11:54	JAC		

Inorganics

Total Solids	91	%	1	160.3	08/31/07 15:38	WAR		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 12:23	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 12:23	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 12:23	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 12:23	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 12:23	JANB	12672-29-6	
PCB-1254	5,500	ug/kg	1,000	8082	09/04/07 12:23	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 12:23	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.18

Sample Tag: PITO1,02,04,05,06PRESS(082707)NL

Collected Date/Time: 08/27/2007 :

Matrix: Oil

COC Reference: 044612

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
5	40ml Glass	None	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 15:48	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 15:48	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 15:48	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 15:48	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 15:48	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 15:48	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 15:48	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.19
Sample Tag: PITO3PRESS(082707)SL
Collected Date/Time: 08/27/2007 13:50
Matrix: Sludge
COC Reference: 044612

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		

Inorganics

Total Solids	92	%	1	160.3	08/31/07 15:38	WAR		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 15:59	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 15:59	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 15:59	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 15:59	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 15:59	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 15:59	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 15:59	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.20
Sample Tag: PITA03018(082707)SL
Collected Date/Time: 08/27/2007 15:05
Matrix: Sludge
COC Reference: 044612

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		
Mercury Digestion	Completed			7471A	08/29/07 13:30	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Inorganics

Total Solids	88	%	1	160.3	08/31/07 15:38	WAR		

Metals

Arsenic	3.34	mg/kg	0.10	6020	09/05/07 14:28	PER	7440-38-2	
Barium	94.0	mg/kg	1.0	6020	09/05/07 14:28	PER	7440-39-3	
Cadmium	53.6	mg/kg	0.20	6020	09/05/07 14:28	PER	7440-43-9	
Chromium	35.2	mg/kg	1.0	6020	09/05/07 14:28	PER	7440-47-3	
Lead	998	mg/kg	1.0	6020	09/05/07 14:28	PER	7439-92-1	
Mercury	1.515	mg/kg	0.050	7471A	08/29/07 15:58	JRT	7439-97-6	
Selenium	0.71	mg/kg	0.40	6020	09/05/07 14:28	PER	7782-49-2	
Silver	1.45	mg/kg	0.10	6020	09/05/07 14:28	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 16:54	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 16:54	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 16:54	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 16:54	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 16:54	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 16:54	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 16:54	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33354.21
Sample Tag: PITA05502(082707)WP
Collected Date/Time: 08/27/2007 15:15
Matrix: Wipe
COC Reference: 044612

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	09/05/07 13:58	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	09/05/07 13:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	09/05/07 13:58	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	09/05/07 13:58	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	09/05/07 13:58	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	09/05/07 13:58	JANB	11097-69-1	J
PCB-1260	Not detected	ug/100cm2	1	8082	09/05/07 13:58	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33354.22

Sample Tag: PITC3SPOTPRESS(082707)WP

Collected Date/Time: 08/27/2007 15:30

Matrix: Wipe

COC Reference: 044612

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	09/05/07 14:09	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	09/05/07 14:09	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	09/05/07 14:09	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	09/05/07 14:09	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	09/05/07 14:09	JANB	12672-29-6	
PCB-1254	1.8	ug/100cm2	1	8082	09/05/07 14:09	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	09/05/07 14:09	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33354.23
Sample Tag: PITA03466(082707)NL
Collected Date/Time: 08/27/2007 15:40
Matrix: Oil
COC Reference: 044612

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.0	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		
Mercury Digestion	Completed			7471A	08/29/07 13:30	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	Not detected	mg/kg	0.10	6020	09/05/07 14:31	PER	7440-38-2	
Barium	Not detected	mg/kg	1.0	6020	09/05/07 14:31	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	09/05/07 14:31	PER	7440-43-9	
Chromium	Not detected	mg/kg	1.0	6020	09/05/07 14:31	PER	7440-47-3	
Lead	11.9	mg/kg	1.0	6020	09/05/07 14:31	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/29/07 16:01	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 14:31	PER	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	09/05/07 14:31	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 17:05	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 17:05	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 17:05	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 17:05	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 17:05	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 17:05	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 17:05	JANB	11096-82-5	



044611

INVOICE TO

CONTACT NAME <i>KO GEMBEL</i>		☐ SAME	
COMPANY <i>GENERAL MOTORS</i>			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.		FAX NO.	P.O. NO.

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME			SAMPLER(S) - PLEASE PRINT/SIGN NAME						SPECIAL INSTRUCTIONS/NOTES								
6M WEST MIFFRIN									Cryson Moeller / ghe								
TURNAROUND TIME REQUIRED			☐ 24 HR	☐ 48 HR	☐ 72 HR	☒ STANDARD	☐ OTHER										
DELIVERABLES REQUIRED			☐ STANDARD	☐ LEVEL II	☐ LEVEL III	☐ OTHER											
MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC	# Containers & Preservatives											
MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO ₃	H ₂ SO ₄	NaOH	OTHER						
	DATE	TIME															
33354.01	8-27-07	7:25	PIT BLK RAIL (082707) WP	SD	1						X	X	X				
.02		7:35	PIT CRANE HEAD (082707) WP	SD	1						X	X	X				
.03		7:45	PIT H8 TRUSS (082707) WP	SD	1						X	X	X				
.04		7:55	PIT H9 TRUSS (082707) WP	SD	1						X	X	X				
.05		8:10	PIT P20 TRUSS (082707) WP	SD	1						X	X	X				
.06		8:30	PIT L10 TRUSS (082707) WP	SD	1						X	X	X				
.07		8:40	PIT BG-B TRUSS (082707) WP	SD	1						X	X	X				
.08		8:50	PIT F9-B TRUSS (082707) WP	SD	1						X	X	X				
.09		8:55	PIT C16-1-B TRUSS (082707) WP	SD	1						X	X	X				
.10		9:00	PIT E21-2-B TRUSS (082707) WP	SD	1						X	X	X				
.11		9:40	PIT ASUMP-B (082707) NL	O	1	X						X					
.12 ✓		10:00	PIT MANHOLE (082707) SL	SL	1	X						X	X				

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

~~PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE~~ PER CONTRACT TJC

Merit

Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
 Phone (517) 332-0167 Fax (517) 332-6333
 www.meritlabs.com

C.O.C. PAGE # 3 OF 3

044612

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME <i>Wendy White</i>	
COMPANY <i>ARCADIS</i>	
ADDRESS <i>10559 CITATION</i>	
CITY <i>BRIGHTON</i>	STATE <i>MI</i>
PHONE NO. <i>810 229 8594</i>	FAX NO. <i>810 229 8837</i>
E-MAIL ADDRESS <i>Wendy.White@Arcadis-us.com</i>	

CONTACT NAME <i>Ken Gember</i>		☐ SAME
COMPANY <i>General Motors</i>		
ADDRESS		
CITY	STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.

PROJECT NO./NAME <i>GM West Mifflin</i>	SAMPLER(S) - PLEASE PRINT/SIGN NAME <i>Crystal Mueen / Guel</i>
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER	
DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER	

MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME											
1782707	1320		PITN5PRESS(082707)SL	SL	1								
18	1330		PITO1PRESS(082707)NL	0	1								
19	1340		PITO2PRESS(082707)NL	0	1								
18	1350		PIT03PRESS(082707)SL	SL	1								
20	1400		PITO4PRESS(082707)NL	0	1								
21	1410		PITO5PRESS(082707)NL	0	1								
22	1420		PITO6PRESS(082707)NL	0	1								
23	1505		PITA03018(082707)SL	SL	1								
24	1515		PITA05502(082707)WP	SD	1								
25	1530		PITC3SPOTPRESS(082707)WP	SD	1								
26	1540		PITA03466(082707)NL	0	1								

RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>Guel Mueen / ARCADIS</i>	DATE <i>8-27-07</i>	TIME <i>1700</i>
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>Paula</i>	DATE <i>8-28-07</i>	TIME <i>1015</i>
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
NOTES: <i>(5)</i>		TEMP. ON ARRIVAL <i>4.0</i>

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE PER CONTRACT T&C



Analytical Laboratory Report

Report ID: S33374.01(01)

Generated on 09/06/2007

Report to

Attention: Wendy White/ Beth Nanzer

Arcadis BBL

10559 Citation Drive

Suite 100

Brighton, MI 48116

Phone: 810-229-8823 FAX: 810-229-8837

Email: wsw@arcadis-us.com/Bethany.Nanzer@arcadis-us.com

Report produced by

Merit Laboratories

2680 East Lansing Drive

East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S33374.01-S33374.17

Project: GM West Mifflin

Collected Date: 08/28/2007

Submitted Date/Time: 08/29/2007 10:20

Sampled by: Crystal Mueller

P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

""Not detected"" indicates that parameter was not found at a level equal to or greater than the RDL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak

Laboratory Director



Analytical Laboratory Report

Sample Summary (17 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S33374.01	PITT21SUMP(082807)SD	Solid	08/28/2007 08:05
S33374.02	PITT25SUMP(082807)SD	Solid	08/28/2007 08:30
S33374.03	PITPHSEEPS(082807)SL	Sludge	08/28/2007 10:00
S33374.04	PITA04519-PH(082807)NL	Oil	08/28/2007 10:30
S33374.05	PITTRACK3(082807)SD	Solid	08/28/2007 11:00
S33374.06	PITTRACK5(082807)SD	Solid	08/28/2007 11:15
S33374.07	PITA21NGERSOL(082807)WP	Wipe	08/28/2007 12:45
S33374.08	PITA03438(082807)SL	Sludge	08/28/2007 13:00
S33374.09	PITA03557(082807)SL	Sludge	08/28/2007 13:15
S33374.10	PITA03463(082807)NL	Oil	08/28/2007 13:35
S33374.11	PITD35POTPRESS(082807)SL	Sludge	08/28/2007 13:50
S33374.12	PITA03314(082807)WP	Wipe	08/28/2007 14:10
S33374.13	PITA03569(082807)NL	Oil	08/28/2007 14:20
S33374.14	PITA03564(082807)SL	Sludge	08/28/2007 14:40
S33374.15	PITA03585(082807)NL	Oil	08/28/2007 14:55
S33374.16	PITA03602(082807)NL	Oil	08/28/2007 15:05
S33374.17	PITA04152(082807)WP	Wipe	08/28/2007 15:20



Analytical Laboratory Report

Lab Sample ID: S33374.01
Sample Tag: PITT21SUMP(082807)SD
Collected Date/Time: 08/28/2007 08:05
Matrix: Solid
COC Reference: 044613

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		

Inorganics

Total Solids	74	%	1	160.3	08/31/07 15:38	WAR		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/31/07 14:02	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/31/07 14:02	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/31/07 14:02	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/31/07 14:02	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/31/07 14:02	JANB	12672-29-6	
PCB-1254	2,400	ug/kg	1,000	8082	08/31/07 14:02	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/31/07 14:02	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.02
Sample Tag: PITT25SUMP(082807)SD
Collected Date/Time: 08/28/2007 08:30
Matrix: Solid
COC Reference: 044613

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		

Inorganics

Total Solids	74	%	1	160.3	08/31/07 15:38	WAR		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/31/07 14:55	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/31/07 14:55	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/31/07 14:55	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/31/07 14:55	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/31/07 14:55	JANB	12672-29-6	
PCB-1254	1,800	ug/kg	1,000	8082	08/31/07 14:55	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/31/07 14:55	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.03
Sample Tag: PITPHSEEPS(082807)SL
Collected Date/Time: 08/28/2007 10:00
Matrix: Sludge
COC Reference: 044613

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		

Inorganics

Total Solids	73	%	1	160.3	08/31/07 15:38	WAR		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	09/04/07 12:34	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	09/04/07 12:34	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	09/04/07 12:34	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	09/04/07 12:34	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	09/04/07 12:34	JANB	12672-29-6	
PCB-1254	700	ug/kg	330	8082	09/04/07 12:34	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	09/04/07 12:34	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.04
Sample Tag: PITA04519-PH(082807)NL
Collected Date/Time: 08/28/2007 10:30
Matrix: Oil
COC Reference: 044613

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		
Mercury Digestion	Completed			7471A	08/29/07 13:30	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	Not detected	mg/kg	0.10	6020	09/05/07 14:40	PER	7440-38-2	
Barium	Not detected	mg/kg	1.0	6020	09/05/07 14:40	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	09/05/07 14:40	PER	7440-43-9	
Chromium	Not detected	mg/kg	1.0	6020	09/05/07 14:40	PER	7440-47-3	
Lead	Not detected	mg/kg	1.0	6020	09/05/07 14:40	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/29/07 16:03	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 14:40	PER	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	09/05/07 14:40	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 17:15	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 17:15	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 17:15	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 17:15	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 17:15	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 17:15	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 17:15	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.05
Sample Tag: PITTRACK3(082807)SD
Collected Date/Time: 08/28/2007 11:00
Matrix: Solid
COC Reference: 044613

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		

Inorganics

Total Solids	67	%	1	160.3	08/31/07 15:38	WAR		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 17:26	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 17:26	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 17:26	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 17:26	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 17:26	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 17:26	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 17:26	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.06
Sample Tag: PITTRACK5(082807)SD
Collected Date/Time: 08/28/2007 11:15
Matrix: Solid
COC Reference: 044613

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		

Inorganics

Total Solids	82	%	1	160.3	08/31/07 15:38	WAR		

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/04/07 17:36	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/04/07 17:36	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/04/07 17:36	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/04/07 17:36	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/04/07 17:36	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/04/07 17:36	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	09/04/07 17:36	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33374.07
Sample Tag: PITA21NGERSOL(082807)WP
Collected Date/Time: 08/28/2007 12:45
Matrix: Wipe
COC Reference: 044613

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	09/05/07 16:32	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	09/05/07 16:32	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	09/05/07 16:32	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	09/05/07 16:32	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	09/05/07 16:32	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	09/05/07 16:32	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	09/05/07 16:32	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.08
Sample Tag: PITA03438(082807)SL
Collected Date/Time: 08/28/2007 13:00
Matrix: Sludge
COC Reference: 044613

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	08/30/07 15:19	JAC		
Mercury Digestion	Completed			7471A	08/29/07 13:30	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Inorganics

Total Solids	97	%	1	160.3	08/31/07 15:38	WAR		

Metals

Arsenic	5.94	mg/kg	0.10	6020	09/05/07 14:43	PER	7440-38-2	
Barium	30.3	mg/kg	1.0	6020	09/05/07 14:43	PER	7440-39-3	
Cadmium	2.76	mg/kg	0.20	6020	09/05/07 14:43	PER	7440-43-9	
Chromium	153	mg/kg	1.0	6020	09/05/07 14:43	PER	7440-47-3	
Lead	47.5	mg/kg	1.0	6020	09/05/07 14:43	PER	7439-92-1	
Mercury	0.050	mg/kg	0.050	7471A	08/29/07 16:05	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 14:43	PER	7782-49-2	
Silver	0.35	mg/kg	0.10	6020	09/05/07 14:43	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	08/31/07 20:08	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	08/31/07 20:08	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	08/31/07 20:08	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	08/31/07 20:08	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	08/31/07 20:08	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	08/31/07 20:08	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	08/31/07 20:08	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.09
Sample Tag: PITA03557(082807)SL
Collected Date/Time: 08/28/2007 13:15
Matrix: Sludge
COC Reference: 044613

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		
Mercury Digestion	Completed			7471A	08/29/07 13:30	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Inorganics

Total Solids	81	%	1	160.3	08/31/07 15:38	WAR		

Metals

Arsenic	9.45	mg/kg	0.20	6020	09/05/07 14:45	PER	7440-38-2	
Barium	120	mg/kg	1.0	6020	09/05/07 14:45	PER	7440-39-3	
Cadmium	0.92	mg/kg	0.20	6020	09/05/07 14:45	PER	7440-43-9	
Chromium	562	mg/kg	1.0	6020	09/05/07 14:45	PER	7440-47-3	
Lead	505	mg/kg	1.0	6020	09/05/07 14:45	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/29/07 16:07	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 14:45	PER	7782-49-2	
Silver	0.78	mg/kg	0.10	6020	09/05/07 14:45	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/05/07 16:43	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/05/07 16:43	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/05/07 16:43	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/05/07 16:43	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/05/07 16:43	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/05/07 16:43	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/05/07 16:43	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.10
Sample Tag: PITA03463(082807)NL
Collected Date/Time: 08/28/2007 13:35
Matrix: Oil
COC Reference: 044613

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		
Mercury Digestion	Completed			7471A	08/29/07 13:30	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	Not detected	mg/kg	0.10	6020	09/05/07 14:47	PER	7440-38-2	
Barium	1.1	mg/kg	1.0	6020	09/05/07 14:47	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	09/05/07 14:47	PER	7440-43-9	
Chromium	1.2	mg/kg	1.0	6020	09/05/07 14:47	PER	7440-47-3	
Lead	3.7	mg/kg	1.0	6020	09/05/07 14:47	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/29/07 16:09	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 14:47	PER	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	09/05/07 14:47	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/05/07 16:54	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/05/07 16:54	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/05/07 16:54	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/05/07 16:54	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/05/07 16:54	JANB	12672-29-6	
PCB-1254	1,000	ug/kg	1,000	8082	09/05/07 16:54	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/05/07 16:54	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.11
Sample Tag: PITD35POTPRESS(082807)SL
Collected Date/Time: 08/28/2007 13:50
Matrix: Sludge
COC Reference: 044613

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		
Mercury Digestion	Completed			7471A	08/29/07 13:30	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Inorganics

Total Solids	89	%	1	160.3	08/31/07 15:38	WAR		

Metals

Arsenic	9.25	mg/kg	0.10	6020	09/05/07 14:50	PER	7440-38-2	
Barium	609	mg/kg	1.0	6020	09/05/07 14:56	PER	7440-39-3	
Cadmium	10.0	mg/kg	0.20	6020	09/05/07 14:50	PER	7440-43-9	
Chromium	1,000	mg/kg	1.0	6020	09/05/07 14:56	PER	7440-47-3	
Lead	1,680	mg/kg	1.0	6020	09/05/07 14:56	PER	7439-92-1	
Mercury	0.078	mg/kg	0.050	7471A	08/29/07 16:20	JRT	7439-97-6	
Selenium	0.61	mg/kg	0.40	6020	09/05/07 14:50	PER	7782-49-2	
Silver	2.07	mg/kg	0.10	6020	09/05/07 14:50	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/05/07 13:18	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/05/07 13:18	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/05/07 13:18	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/05/07 13:18	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/05/07 13:18	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/05/07 13:18	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/05/07 13:18	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.12
Sample Tag: PITA03314(082807)WP
Collected Date/Time: 08/28/2007 14:10
Matrix: Wipe
COC Reference: 044613

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	09/05/07 17:04	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	09/05/07 17:04	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	09/05/07 17:04	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	09/05/07 17:04	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	09/05/07 17:04	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	09/05/07 17:04	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	09/05/07 17:04	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.13
Sample Tag: PITA03569(082807)NL
Collected Date/Time: 08/28/2007 14:20
Matrix: Oil
COC Reference: 044614

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		
Mercury Digestion	Completed			7471A	08/29/07 13:30	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	0.10	mg/kg	0.10	6020	09/05/07 14:58	PER	7440-38-2	
Barium	9.1	mg/kg	1.0	6020	09/05/07 14:58	PER	7440-39-3	
Cadmium	0.60	mg/kg	0.20	6020	09/05/07 14:58	PER	7440-43-9	
Chromium	6.4	mg/kg	1.0	6020	09/05/07 14:58	PER	7440-47-3	
Lead	8.9	mg/kg	1.0	6020	09/05/07 14:58	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/29/07 16:22	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 14:58	PER	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	09/05/07 14:58	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/05/07 13:39	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/05/07 13:39	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/05/07 13:39	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/05/07 13:39	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/05/07 13:39	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/05/07 13:39	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/05/07 13:39	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.14
Sample Tag: PITA03564(082807)SL
Collected Date/Time: 08/28/2007 14:40
Matrix: Sludge
COC Reference: 044614

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		
Mercury Digestion	Completed			7471A	08/29/07 13:30	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Inorganics

Total Solids	94	%	1	160.3	08/31/07 15:38	WAR		

Metals

Arsenic	8.49	mg/kg	0.10	6020	09/05/07 15:00	PER	7440-38-2	
Barium	9.5	mg/kg	1.0	6020	09/05/07 15:00	PER	7440-39-3	
Cadmium	1.42	mg/kg	0.20	6020	09/05/07 15:00	PER	7440-43-9	
Chromium	257	mg/kg	1.0	6020	09/05/07 15:00	PER	7440-47-3	
Lead	1,440	mg/kg	1.0	6020	09/05/07 15:04	PER	7439-92-1	
Mercury	0.085	mg/kg	0.050	7471A	08/29/07 16:23	JRT	7439-97-6	
Selenium	0.45	mg/kg	0.40	6020	09/05/07 15:00	PER	7782-49-2	
Silver	4.24	mg/kg	0.10	6020	09/05/07 15:00	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/05/07 17:15	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/05/07 17:15	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/05/07 17:15	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/05/07 17:15	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/05/07 17:15	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/05/07 17:15	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/05/07 17:15	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.15
Sample Tag: PITA03585(082807)NL
Collected Date/Time: 08/28/2007 14:55
Matrix: Oil
COC Reference: 044614

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		
Mercury Digestion	Completed			7471A	08/29/07 13:30	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	0.20	mg/kg	0.10	6020	09/05/07 15:07	PER	7440-38-2	
Barium	1.5	mg/kg	1.0	6020	09/05/07 15:07	PER	7440-39-3	
Cadmium	0.84	mg/kg	0.20	6020	09/05/07 15:07	PER	7440-43-9	
Chromium	12.1	mg/kg	1.0	6020	09/05/07 15:07	PER	7440-47-3	
Lead	7.8	mg/kg	1.0	6020	09/05/07 15:07	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/29/07 16:25	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 15:07	PER	7782-49-2	
Silver	0.11	mg/kg	0.10	6020	09/05/07 15:07	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/05/07 14:00	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/05/07 14:00	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/05/07 14:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/05/07 14:00	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/05/07 14:00	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/05/07 14:00	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/05/07 14:00	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.16
Sample Tag: PITA03602(082807)NL
Collected Date/Time: 08/28/2007 15:05
Matrix: Oil
COC Reference: 044614

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		
Mercury Digestion	Completed			7471A	08/29/07 13:30	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	Not detected	mg/kg	0.10	6020	09/05/07 15:09	PER	7440-38-2	
Barium	Not detected	mg/kg	1.0	6020	09/05/07 15:09	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	09/05/07 15:09	PER	7440-43-9	
Chromium	Not detected	mg/kg	1.0	6020	09/05/07 15:09	PER	7440-47-3	
Lead	2.0	mg/kg	1.0	6020	09/05/07 15:09	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/29/07 16:11	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 15:09	PER	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	09/05/07 15:09	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/05/07 14:21	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/05/07 14:21	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/05/07 14:21	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/05/07 14:21	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/05/07 14:21	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/05/07 14:21	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/05/07 14:21	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33374.17
Sample Tag: PITA04152(082807)WP
Collected Date/Time: 08/28/2007 15:20
Matrix: Wipe
COC Reference: 044614

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.8	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	09/05/07 15:59	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	09/05/07 15:59	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	09/05/07 15:59	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	09/05/07 15:59	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	09/05/07 15:59	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	09/05/07 15:59	JANB	11097-69-1	J
PCB-1260	Not detected	ug/100cm2	1	8082	09/05/07 15:59	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL

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C.O.C. PAGE # 1 OF 2

044613

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Wendy White			
COMPANY ARCADIS			
ADDRESS 10559 CITATION			
CITY BRIGHTON	STATE M.	ZIP CODE 48116	
PHONE NO. 810 229 8594	FAX NO. 810 229 8837	P.O. NO.	
E-MAIL ADDRESS WENDY.WHITE@ARCADIS-US.COM		QUOTE NO.	

CONTACT NAME Ken Gembel			☐ SAME
COMPANY GENERAL MOTORS			
ADDRESS			
CITY	STATE	ZIP CODE	
PHONE NO.	FAX NO.	P.O. NO.	

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME GM WEST MIFLIN			SAMPLER(S) - PLEASE PRINT/SIGN NAME Crysan Mauer / Goul dier										SPECIAL INSTRUCTIONS/NOTES													
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER																										
DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER																										
MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC	# Containers & Preservatives																				
MATRIX	DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION		MATRIX	# OF BOTTLES	NONE	HCL	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER													
33374.01	8-28-07	805	PIT21SUMP(082807)SD		SD	1	1							X												
.02		830	PIT25SUMP(082807)SD		SD	1	1							X												
.03		1000	PITPHSEEPS(082807)SL		SL	1	1							X	X	(CW)	PCBs only									
.04		1030	PIT A04519-PH(082807)NL		0	1	1							X	X											
.05		1100	PITTRACK3(082807)SD		SD	1	1							X												
.06		1115	PITTRACK5(082807)SD		SD	1	1							X												
.07		1245	PIT A2INGERSOL(082807)WP		SD	1							1	X	*											
.08		1300	PIT A03438(082807)SL		SL	1	1							X	X											
.09		1315	PIT A03557(082807)SL		SL	1	1							X	X											
.10		1335	PIT A03463(082807)NL		0	1	1							X	X											
.11		1350	PIT D3SPOTPRESS(082807)SL		SL	1	1							X	X											
.12	✓	1400	PIT A03314(082807)WP		SD	1							1	X	*											

RELINQUISHED BY: SIGNATURE/ORGANIZATION John Mauer / ARCADIS	DATE 8-28	TIME 1700
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION Brian Richardson	DATE 8-29-07	TIME 10:20
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
NOTES:		TEMP. ON ARRIVAL 4.8

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE PER CONTRACT T&C

Merit

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C.O.C. PAGE # 2 OF 2

044614

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME <i>Wendy White</i>	
COMPANY <i>ARCADIS</i>	
ADDRESS <i>10559 CITATION</i>	
CITY <i>BRIGITON</i>	STATE <i>MI</i> ZIP CODE <i>48116</i>
PHONE NO. <i>810 229 8594</i>	FAX NO. <i>810 229 8837</i>
E-MAIL ADDRESS <i>Wendy.White@ARCADIS-US.COM</i>	

CONTACT NAME <i>Ken Gembel</i>		☐ SAME
COMPANY <i>General Motors</i>		
ADDRESS		
CITY	STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME <i>GM WEST MIFFLIN</i>		SAMPLER(S) - PLEASE PRINT/SIGN NAME <i>Crystal Muehlen/Goulkin</i>		SPECIAL INSTRUCTIONS/NOTES																								
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ STANDARD ☐ OTHER																												
DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER																												
MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC	# Containers & Preservatives																						
MERIT LAB NO.	YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION		MATRIX	# OF BOTTLES	NONE	HCL	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER															
33374.B	8-28-07	1420	PIT A03569(082807) NL		O	1	1								XX													
.14		1440	PIT A03564(082807) SL		SL	1	1																					
.15		1455	PIT A03585(082807) NL		O	1	1																					
.16		1505	PIT A03602(082807) NL		O	1	1																					
.17		1520	PIT A04152(082807) WP		SD	1									1	*												

RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>Shel Muehlen / ARCADIS</i>	DATE <i>8-28</i>	TIME <i>1:00</i>
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION <i>Barbara Richardson</i>	DATE <i>8-29-07</i>	TIME <i>10:20</i>
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
NOTES:		TEMP. ON ARRIVAL <i>4.8</i>

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE PER CONTRACT T&C



Analytical Laboratory Report

Report ID: S33403.01(01)

Generated on 09/06/2007

Report to

Attention: Wendy White/ Beth Nanzer

Arcadis BBL

10559 Citation Drive

Suite 100

Brighton, MI 48116

Phone: 810-229-8823 FAX: 810-229-8837

Email: wsw@arcadis-us.com/Bethany.Nanzer@arcadis-us.com

Report produced by

Merit Laboratories

2680 East Lansing Drive

East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S33403.01-S33403.11

Project: GM West Mifflin - 64490

Collected Date: 08/29/2007

Submitted Date/Time: 08/30/2007 10:30

Sampled by: Crystal Mueller

P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

""Not detected"" indicates that parameter was not found at a level equal to or greater than the RDL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak

Laboratory Director



Analytical Laboratory Report

Sample Summary (11 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S33403.01	PITA03232(082907)NL	Oil	08/29/2007 08:00
S33403.02	PITA05503(082907)NL	Oil	08/29/2007 08:30
S33403.03	PITC20PROG2(082907)WP	Wipe	08/29/2007 08:45
S33403.04	PITE20PROG3(082907)WP	Wipe	08/29/2007 09:00
S33403.05	PITA03440(082907)NL	Oil	08/29/2007 09:20
S33403.06	PITA03549(082907)SL	Sludge	08/29/2007 09:35
S33403.07	PITA03543(082907)WP	Wipe	08/29/2007 09:50
S33403.08	PITA03591(082907)NL	Oil	08/29/2007 10:00
S33403.09	PITA05954(082907)WP	Wipe	08/29/2007 10:10
S33403.10	PITA03304(082907)WP	Wipe	08/29/2007 10:25
S33403.11	PITA03431(082907)WP	Wipe	08/29/2007 10:35



Analytical Laboratory Report

Lab Sample ID: S33403.01
Sample Tag: PITA03232(082907)NL
Collected Date/Time: 08/29/2007 08:00
Matrix: Oil
COC Reference: 044616

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		
Mercury Digestion	Completed			7471A	08/30/07 12:00	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	Not detected	mg/kg	0.10	6020	09/05/07 15:34	PER	7440-38-2	
Barium	4.5	mg/kg	1.0	6020	09/05/07 15:34	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	09/05/07 15:34	PER	7440-43-9	
Chromium	Not detected	mg/kg	1.0	6020	09/05/07 15:34	PER	7440-47-3	
Lead	Not detected	mg/kg	1.0	6020	09/05/07 15:34	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/30/07 16:11	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 15:34	PER	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	09/05/07 15:34	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/05/07 14:42	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/05/07 14:42	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/05/07 14:42	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/05/07 14:42	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/05/07 14:42	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/05/07 14:42	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/05/07 14:42	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33403.02
Sample Tag: PITA05503(082907)NL
Collected Date/Time: 08/29/2007 08:30
Matrix: Oil
COC Reference: 044616

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		
Mercury Digestion	Completed			7471A	08/30/07 12:00	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	Not detected	mg/kg	0.10	6020	09/05/07 15:41	PER	7440-38-2	
Barium	Not detected	mg/kg	1.0	6020	09/05/07 15:41	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	09/05/07 15:41	PER	7440-43-9	
Chromium	Not detected	mg/kg	1.0	6020	09/05/07 15:41	PER	7440-47-3	
Lead	Not detected	mg/kg	1.0	6020	09/05/07 15:41	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/30/07 16:12	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 15:41	PER	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	09/05/07 15:41	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/05/07 15:03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/05/07 15:03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/05/07 15:03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/05/07 15:03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/05/07 15:03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/05/07 15:03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/05/07 15:03	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33403.03
Sample Tag: PITC20PROG2(082907)WP
Collected Date/Time: 08/29/2007 08:45
Matrix: Wipe
COC Reference: 044616

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	09/05/07 17:46	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	09/05/07 17:46	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	09/05/07 17:46	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	09/05/07 17:46	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	09/05/07 17:46	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	09/05/07 17:46	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	09/05/07 17:46	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33403.04
Sample Tag: PITE20PROG3(082907)WP
Collected Date/Time: 08/29/2007 09:00
Matrix: Wipe
COC Reference: 044616

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	09/05/07 17:57	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	09/05/07 17:57	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	09/05/07 17:57	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	09/05/07 17:57	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	09/05/07 17:57	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	09/05/07 17:57	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	09/05/07 17:57	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33403.05
Sample Tag: PITA03440(082907)NL
Collected Date/Time: 08/29/2007 09:20
Matrix: Oil
COC Reference: 044616

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		
Mercury Digestion	Completed			7471A	08/30/07 12:00	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	0.11	mg/kg	0.10	6020	09/05/07 15:44	PER	7440-38-2	
Barium	38.4	mg/kg	1.0	6020	09/05/07 15:44	PER	7440-39-3	
Cadmium	2.03	mg/kg	0.20	6020	09/05/07 15:44	PER	7440-43-9	
Chromium	1.5	mg/kg	1.0	6020	09/05/07 15:44	PER	7440-47-3	
Lead	39.3	mg/kg	1.0	6020	09/05/07 15:44	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/30/07 16:14	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 15:44	PER	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	09/05/07 15:44	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/05/07 18:07	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/05/07 18:07	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/05/07 18:07	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/05/07 18:07	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/05/07 18:07	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/05/07 18:07	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/05/07 18:07	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33403.06
Sample Tag: PITA03549(082907)SL
Collected Date/Time: 08/29/2007 09:35
Matrix: Sludge
COC Reference: 044616

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		
Mercury Digestion	Completed			7471A	08/30/07 12:00	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Inorganics

Total Solids	83	%	1	160.3	08/31/07 15:38	WAR		

Metals

Arsenic	8.83	mg/kg	0.20	6020	09/05/07 15:46	PER	7440-38-2	
Barium	187	mg/kg	1.0	6020	09/05/07 15:46	PER	7440-39-3	
Cadmium	15.7	mg/kg	0.20	6020	09/05/07 15:46	PER	7440-43-9	
Chromium	70.9	mg/kg	1.0	6020	09/05/07 15:46	PER	7440-47-3	
Lead	286	mg/kg	1.0	6020	09/05/07 15:46	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/30/07 16:16	JRT	7439-97-6	
Selenium	1.53	mg/kg	0.40	6020	09/05/07 15:46	PER	7782-49-2	
Silver	5.15	mg/kg	0.10	6020	09/05/07 15:46	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/05/07 18:41	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/05/07 18:41	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/05/07 18:41	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/05/07 18:41	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/05/07 18:41	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/05/07 18:41	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	09/05/07 18:41	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S33403.07
Sample Tag: PITA03543(082907)WP
Collected Date/Time: 08/29/2007 09:50
Matrix: Wipe
COC Reference: 044616

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	09/05/07 16:09	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	09/05/07 16:09	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	09/05/07 16:09	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	09/05/07 16:09	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	09/05/07 16:09	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	09/05/07 16:09	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	09/05/07 16:09	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33403.08
Sample Tag: PITA03591(082907)NL
Collected Date/Time: 08/29/2007 10:00
Matrix: Oil
COC Reference: 044616

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	None	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		
Mercury Digestion	Completed			7471A	08/30/07 12:00	JRT		
Metal Digestion	Completed			3050B	09/05/07 12:00	PER		

Metals

Arsenic	Not detected	mg/kg	0.10	6020	09/05/07 15:48	PER	7440-38-2	
Barium	Not detected	mg/kg	1.0	6020	09/05/07 15:48	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	09/05/07 15:48	PER	7440-43-9	
Chromium	4.0	mg/kg	1.0	6020	09/05/07 15:48	PER	7440-47-3	
Lead	Not detected	mg/kg	1.0	6020	09/05/07 15:48	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	08/30/07 16:18	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.40	6020	09/05/07 15:48	PER	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	09/05/07 15:48	PER	7440-22-4	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	09/05/07 15:24	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	09/05/07 15:24	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	09/05/07 15:24	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	09/05/07 15:24	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	09/05/07 15:24	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	09/05/07 15:24	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	09/05/07 15:24	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33403.09
Sample Tag: PITA05954(082907)WP
Collected Date/Time: 08/29/2007 10:10
Matrix: Wipe
COC Reference: 044616

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	09/05/07 11:40	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	09/05/07 11:40	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	09/05/07 11:40	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	09/05/07 11:40	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	09/05/07 11:40	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	09/05/07 11:40	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	09/05/07 11:40	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33403.10
Sample Tag: PITA03304(082907)WP
Collected Date/Time: 08/29/2007 10:25
Matrix: Wipe
COC Reference: 044616

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	09/05/07 18:52	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	09/05/07 18:52	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	09/05/07 18:52	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	09/05/07 18:52	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	09/05/07 18:52	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	09/05/07 18:52	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	09/05/07 18:52	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S33403.11
Sample Tag: PITA03431(082907)WP
Collected Date/Time: 08/29/2007 10:35
Matrix: Wipe
COC Reference: 044616

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

Extraction, PCB	Completed			3550B	09/04/07 16:07	JAC		

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	09/05/07 18:18	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	09/05/07 18:18	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	09/05/07 18:18	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	09/05/07 18:18	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	09/05/07 18:18	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	09/05/07 18:18	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	09/05/07 18:18	JANB	11096-82-5	



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C.O.C. PAGE # 1 OF 1

044616

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Wendy White		CONTACT NAME Ken Gendel		☐ SAME	
COMPANY ARCADIS		COMPANY General Motors			
ADDRESS 10559 CITATION		ADDRESS			
CITY BRIGHTON		STATE MI	ZIP CODE 48116	CITY	STATE
PHONE NO. 810 229 0594	FAX NO. 810 229 0837	P.O. NO.		PHONE NO.	FAX NO.
E-MAIL ADDRESS WENDY-WHITE@ARCADIS-US.COM		QUOTE NO.		ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)	

PROJECT NO./NAME GM WEST MERRIN						SAMPLER(S) - PLEASE PRINT/SIGN NAME Crystal Mueller / ghe duh															SPECIAL INSTRUCTIONS/NOTES
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER																					
DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER																					

MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC	# Containers & Preservatives

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER			
	DATE	TIME													
33403.01	8-29-07	800	PIT AØ3232(082907) NL	O	1	1									XX
.02	↓	830	PIT AØ5503(082907) NL	O	1	1									↓
.03	↓	845	PIT C2ØPRO62(082907) WP	M	1						1				↓
.04	↓	900	PIT E2ØPROG3(082907) WP	M	1						1				↓
.05	↓	920	PIT AØ344Ø(082907) NL	O	1	1									↓
.06	↓	935	PIT AØ3549(082907) SL	SL	1	1									↓
.07	↓	950	PIT AØ3543(082907) WP	M	1						1				↓
.08	↓	1000	PIT AØ3591(082907) NL	O	1	1									↓
.09	↓	1010	PIT AØ5954(082907) WP	M	1						1				↓
.10	↓	1025	PIT AØ3304(082907) WP	M	1						1				↓
.11	↓	1035	PIT AØ3431(082907) WP	M	1						1				↓

RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>Sal Dunn / ARCADIS</i>	DATE 8-29-07	TIME 1300	RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	RECEIVED BY: SIGNATURE/ORGANIZATION	<i>Paula Dunn</i>	DATE 8-30-07	TIME 1030
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL <u>4.3</u>
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

~~PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE~~ *PER CONTRACT T & C*

Appendix D

Lead Based Paint Survey

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
1	CRIB	BULK SAMPLE OF PAINT ON CEILING IN THE MAIN TOOL CRIB. TAN COLOR PAINT, MANY DIFFERENT LAYERS NOTED.	08/03/94	N/A	0000.710	Lead	021819940066
16	J-8	GREEN PAINT FROM J-8 PRESS TO BE INSTALLED AT F.A 3 LINE IN METAL ASSEMBLY.	08/21/96	N/A	0000.880	Lead	021819961034
16	J-8	GRAY PAINT FROM J-8 PRESS TO BE INSTALLED AT F.A 3 LINE IN METAL ASSEMBLY.	08/21/96	N/A	0000.850	Lead	021819961035
16	RCRB	WHITE PAINT ON CEILING OF RECEIVING CRIB ON THE DOCKS.	10/09/96	N/A	0000.040	No Lead	021819960046
16	RCRB	GREEN PAINT ON DOOR OF RECEIVING BRIB ON THE DOCKS	10/09/96	N/A	0000.230	No Lead	021819960047
16	RCRB	BEIGE PAINT WITH GREEN UNDERNEATH ON WALL OF RECEIVING CRIB.	10/09/96	N/A	0000.130	No Lead	021819960048
16	RCRB	GREEN PAINT WITH BEIGE UNDERNEATH ON WALL OF RECEIVING CRIB.	10/09/96	N/A	N.D.	No Lead	021819960049
16	TRRP	YELLOW PAINT FROM TRUCK SCALE ON DOCKS. WITH BROWN ON BACK.	10/30/96	N/A	0004.700	Lead	021819960053
16	TRRP	BROWN PAINT FROM TRUCK SCALE ON DOCKS, WITH YELLOW UNDERNEATH.	10/30/96	N/A	0005.200	Lead	021819960054
16	PWHO	GREY PAINT ON DRAIN PIPE NEXT TO DOOR AND STEPS GOING TO SHOWER ROOM UPSTAIRS IN THE POWER HOUSE.	11/22/96	N/A	0000.990	Lead	021819960060
16	PWHO	STEPS GOING TO SHOWER ROOM UPSTAIRS IN THE POWER HOUSE.	11/22/96	N/A	N.D.	No Lead	021819960061
16	PWHO	WHITE PAINT FROM CEILING IN POWER HOUSE AT COMPRESSOR #3 NEAR ISLEWAY GOING TO WASTE TREATMENT.	11/22/96	N/A	0000.020	No Lead	021819960062
16	PWHO	POWER HOUSE AREA NEXT TO COMPRESSOR #1 IN THE MAIN ISLE RED PAINT FROM THE FLOOR.	11/22/96	N/A	0000.090	No Lead	021819960063
16	PWHO	OR #1 AT CORNER ACROSS FROM TELEPHONE BOOTH, ON THE FLOOR.	11/22/96	N/A	0000.060	No Lead	021819960064
16	RKRP	GREEN PAINT WITH RUST UNDERNEATH ON #60 DOOR RACKS IN THE RACK REPAIR BUILDING .	01/23/97	N/A	0000.060	No Lead	021819970004
16	RKRP	RUST WITH GREEN PAINT UNDERNEATH ON #60 DOOR RACKS WITHWWWRACK REPAIR BUILDING .	01/23/97	N/A	0000.060	No Lead	021819970005

NITON: > 1.0 = Lead Containing; < 0.1 = No Lead; 0.1 to 1.0 = Inconclusive (requires lab analysis to confirm)

BULK SAMPLE (LAB ANALYSIS): > 0.5% = Lead Containing

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
16	PUHO	PUMP HOUSE NEXT TO POWER HOUSE ON BACK WALL BEHIND THE DESK ON THE RIGHT.	03/19/97	N/A	0000.090	No Lead	021819970023
16	PUHO	PUMP HOUSE YELLOW FROM STEAM PIPE ON THE RIGHT SIDE OF WALL FIRST PUMP NEAR BACK WALL.	03/19/97	N/A	0004.700	Lead	021819970024
16	PUHO	RUSTY PAINT UNDER YELLOW PAINT ON THE RIGHT SIDE OF WALL FIRST PUMP NEAR BACK WALL IN THE PUMP HOUSE.	03/19/97	N/A	0000.770	Lead	021819970025
16	RRPR	RACK REPAIR BUILDING CUTTING GONDOLAS IN HALF AND BURNING OFF WHEEL POCKETS.	10/23/97	N/A	0013.000	Lead	021819970097
16	RRRP	RACK REPAIR BUILDING CUTTING GONDOLAS IN HALF AND BURNING OFF WHEEL POCKETS.	10/23/97	N/A	0000.850	Lead	021819970098
16	RKRP	RACK REPAIR BUILDING CUTTING GONDOLAS IN HALF AND BURNING OFF WHEEL POCKETS.	10/23/97	N/A	0007.200	Lead	021819970099
16	RKRP	RACK REPAIR BUILDING CUTTING GONDOLAS IN HALF AND BURNING OFF WHEEL POCKETS.	10/23/97	N/A	0009.900	Lead	021819970100
16	RKRP	RACK REPAIR BUILDING CUTTING GONDOLAS IN HALF AND BURNING OFF WHEEL POCKETS.	10/23/97	N/A	0005.400	Lead	021819970101
16	PTSH	PAINT SAMPLES FROM THE CEILING OF THE PAINT SHOP AND SIDE OF WALL FACING WEST NEXT TO STORAGE BINS.	11/12/97	N/A	0000.030	No Lead	021819970102
16	PTSH	PAINT SAMPLES FROM THE CEILING OF THE PAINT SHOP AND SIDE OF WALL FACING WEST NEXT TO STORAGE BINS.	11/12/97	N/A	0000.680	Lead	021819970103
16	PTSH	PAINT SAMPLES FROM THE CEILING OF THE PAINT SHOP AND SIDE OF WALL FACING WEST NEXT TO STORAGE BINS.	11/12/97	N/A	0000.300	No Lead	021819970104
16	PTSH	PAINT SAMPLES FROM THE CEILING OF THE PAINT SHOP AND SIDE OF WALL FACING WEST NEXT TO STORAGE BINS.	11/12/97	N/A	0000.100	No Lead	021819970105
16	PTSH	PAINT SAMPLES FROM THE CEILING OF THE PAINT SHOP AND SIDE OF WALL FACING WEST NEXT TO STORAGE BINS.	11/12/97	N/A	0000.060	No Lead	021819970106
16	PTSH	PAINT SAMPLES FROM THE CEILING OF THE PAINT SHOP AND SIDE OF WALL FACING WEST NEXT TO STORAGE BINS.	11/12/97	N/A	0000.020	No Lead	021819970107
16	PTSH	PAINT SAMPLES FROM THE CEILING OF THE PAINT SHOP AND SIDE OF WALL FACING WEST NEXT TO STORAGE BINS.	11/12/97	N/A	0000.260	No Lead	021819970108
16	PTSH	PAINT SAMPLES FROM THE CEILING OF THE PAINT SHOP AND SIDE OF WALL FACING WEST NEXT TO STORAGE BINS.	11/12/97	N/A	0001.300	Lead	021819970110

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16	PTSH	PAINT SAMPLES FROM THE CEILING OF THE PAINT SHOP AND SIDE OF WALL FACING WEST NEXT TO STORAGE BINS.	11/12/97	N/A	0001.400	Lead	021819970111
16	PTSH	PAINT SAMPLES FROM THE CEILING OF THE PAINT SHOP AND SIDE OF WALL FACING WEST NEXT TO STORAGE BINS.	11/12/97	N/A	0001.900	Lead	021819970112
16	PTSH	PAINT SAMPLES FROM THE CEILING OF THE PAINT SHOP AND SIDE OF WALL FACING WEST NEXT TO STORAGE BINS.	11/12/97	N/A	0000.600	Lead	021819970113
16	RKRP	ING, WORKERS ARE BURNING OFF SECTION AND PUTTING ON NEW BARS FOR PRODU CTION RACKS.	04/09/98	N/A	0017.000	Lead	021819980043
16	RRBD	BUILDING ON THE GROUND AFTER FILTERS WERE BLOWN CLEAN WITH AIR NOZZLE FILTERS FROM LASERS #1 & #2 IN	09/17/98	N/A	0000.007	No Lead	021819980084
16	C192	BULK SAMPLE OF OIL, DOPE, STEEL TAKEN IN PRESS PIT UNDER BIG A CONVEYOR AND SUMP PUMPS #13 & #15.	03/01/00	N/A	N.D.	No Lead	021820000021
16	PP20	SAMPLE OF OIL AND DOPE FROM UNDER BIG A CONVEYOR A LITTLE OF STEEL SLUGS ALSO.	06/27/00	N/A	0000.002	No Lead	021820000066
16	RR	GREEN PAINT FROM BAR THAT WAS BURNED OFF OF RACK IN THE RACK REPAIR BUILDING. G	09/27/00	N/A	0002.300	Lead	021820000101
16	RRB	STORAGE AREA ON THE PRAIRIE SOME RACKS GO TO RACK REPAIR BUILDING FOR REPAIRS OR MODIFICATION. BLACK	11/01/00	N/A	N.D.	No Lead	021820000114
16	RRB	STORAGE AREA ON THE PRAIRIE SOME RACKS GO TO RACK REPAIR BUILDING FOR REPAIRS OR MODIFICATION. BLUE	11/01/00	N/A	N.D.	No Lead	021820000115
16	RRB	STORAGE AREA ON THE PRAIRIE SOME RACKS GO TO RACK REPAIR BUILDING FOR REPAIRS OR MODIFICATION. ORANGE	11/01/00	N/A	N.D.	No Lead	021820000116
16	RRB	STORAGE AREA ON THE PRAIRIE SOME RACKS GO TO RACK REPAIR BUILDING FOR REPAIRS OR MODIFICATION. OLIVE	11/01/00	N/A	N.D.	No Lead	021820000117
16	RRB	STORAGE AREA ON THE PRAIRIE SOME RACKS GO TO RACK REPAIR BUILDING FOR REPAIRS OR MODIFICATION. BLUE	11/01/00	N/A	0002.000	Lead	021820000118
16	RRB	STORAGE AREA ON THE PRAIRIE SOME RACKS GO TO RACK REPAIR BUILDING FOR REPAIRS OR MODIFICATION. GREEN	11/01/00	N/A	0000.340	No Lead	021820000119
16	RRB	STORAGE AREA ON THE PRAIRIE SOME RACKS GO TO RACK REPAIR BUILDING FOR REPAIRS OR MODIFICATION. GREY	11/01/00	N/A	0004.500	Lead	021820000120
16	RRB	STORAGE AREA ON THE PRAIRIE SOME RACKS GO TO RACK REPAIR BUILDING FOR REPAIRS OR MODIFICATION. LIGHT	11/01/00	N/A	N.D.	No Lead	021820000121

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

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16	RRB	STORAGE AREA ON THE PRAIRIE SOME RACKS GO TO RACK REPAIR BUILDING FOR REPAIRS OR MODIFICATION. YELLOW	11/01/00	N/A	0012.000	Lead	021820000122
16	RRB	STORAGE AREA ON THE PRAIRIE SOME RACKS GO TO RACK REPAIR BUILDING FOR REPAIRS OR MODIFICATION. RED PAINT	11/01/00	N/A	0005.100	Lead	021820000123
16	RKRP	BLUE PAINT FROM RACK #17231 FRT DR INR RH & LH	12/08/00	N/A	N.D.	No Lead	021820000135
16	RKRP	WHITE PAINT FROM WALL OF RACK REPAIR BUILDING.	12/08/00	N/A	N.D.	No Lead	021820000136
16	PTSH	SAMPLE OF WHITE PAINT TAKEN FROM WEST WALL ON ROOF DRAIN PIPE IN THE PAINT SHOP.	03/22/01	N/A	0000.075	No Lead	021820010023
16	TR	BULK SAMPLE OF BATTERY ACID FROM STORAGE MAT AND FROM A OLD BATTERY STILL IN USE.	07/19/01	N/A	N.D.	No Lead	021820010071
16	P3	WHITE PAINT TAKEN FROM ELECTICIAN SHOP ON FLOOR AT COLUMN P3.	11/13/02	N/A	0000.015	No Lead	021820020124
16	P3	GREEN PAINT FROM ELECTRICIAN SHOP ON FLOOR AT COLUMN P3.	11/13/02	N/A	0000.490	No Lead	021820020125
16	P3	YELLOW PAINT FROM ELECTICIAN SHOP FLOOR AT COLUMN P3.	11/13/02	N/A	0000.620	Lead	021820020126
16	A12	GREY PAINT TAKEN FROM TRAP SHEER REMOVAL.	06/12/03	N/A	0000.450	No Lead	021820030089
16	A12	ORANGE PAINT TAKEN FROM TRAP SHEER REMOVAL	06/12/03	N/A	0011.000	Lead	021820030090
16	A12	YELLOW PAINT TAKEN FROM TRAP SHEER REMOVAL	06/12/03	N/A	0000.040	No Lead	021820030091
16	A12	BLUE PAINT TAKEN FROM TRAP SHEER REMOVAL	06/12/03	N/A	0000.210	No Lead	021820030092
16	PH	BULK SAMPLE OF WHITE PAINT FROM CEILING THAT IS DROPPING ON FLOOR.	06/24/03	N/A	0000.022	No Lead	021820030102
16	PH	BULK SAMPLE OF GREY PAINT FROM CEILING OF POWER HOUSE DROPPING ON FLOOR.	06/24/03	N/A	0000.810	Lead	021820030103
16	D5	BLUE PAINT FROM CO2 PRESS REMOVAL.	09/03/03	N/A	0.260	No Lead	021820030160
16	D5	BLACK PAINT FROM CO2 PRESS REMOVAL.	09/03/03	N/A	0.120	No Lead	021820030161

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

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16	D5	YELLOW PAINT FROM CO2 PRESS REMOVAL.	09/03/03	N/A	7.200	Lead	021820030162
16	D5	GREY PAINT FROM CO2 PRESS REMOVAL.	09/03/03	N/A	0.038	No Lead	021820030163
16	B4	YELLOW PAINT FROM GANTRY CRANE IN STEEL STORES.	09/03/03	N/A	7.200	Lead	021820030164
16	PLT	ORANGE PAINT FROM GARBAGE GONDOLAS TALL WHITE ONES	09/05/03	N/A	16.000	Lead	021820030165
16	PLT	YELLOW PAINT FROM GARBAGE GONDOLAS TALL WHITE ONES	09/05/03	N/A	4.000	Lead	021820030166
16	PLT	WHITE PAINT FROM GARBAGE GONDOLAS TALL WHITE ONES	09/05/03	N/A	0.075	No Lead	021820030167
16	PLT	GREY PAINT FROM GARBAGE GONDOLAS TALL WHITE ONES	09/05/03	N/A	5.200	Lead	021820030168
16	PLT	BLUE PAINT FROM SPO HOOD RACK #703 ALREADY BURNED OUT.	09/05/03	N/A	N.D.	No Lead	021820030169
16	PLT	BLUE PAINT FROM SPO HOOD RACK #657 AT TOP OF SCREE N TO BE BURNED.	09/05/03	N/A	N.D.	No Lead	021820030170
16	CRIB	GREY PAINT FROM STEEL HAULING RACK EXTRA LONE ONE.	09/05/03	N/A	N.D.	No Lead	021820030171
18	RECC	RECEIVING CRIB ON THE CEILING OVERTOP OF SINK AND WATER FOUNTAIN WHITE PAINT.	03/24/99	N/A	0000.040	No Lead	021819990029
18	RECC	RECEIVING CRIB ON THE WEST WALL UNDER AIR CONDITIO NER ON PIPE COMING FROM CEILING.	03/24/99	N/A	0000.680	Lead	021819990031
18	RECC	NER ON PIPE COMING FROM CEILING, BEIGE PAINT UNDER GREEN PAINT.	03/24/99	N/A	0000.120	No Lead	021819990032
20	RR	GREEN PAINT WITH RUST UNDERNEATH OFF OF BURNED SECTION OF STEEL IN THE RACK REPAIR BUILDING. G	09/27/00	N/A	0000.520	Lead	021820000102
20	RR	GREEN PAINT FROM HOOK UP SECTION ON RACK FROM RACK REPAIR BUILDING. G	09/27/00	N/A	0006.100	Lead	021820000103
4	E-13	LOCATED BY COLUMNS E-13 TO E-14 THIS SAMPLE IS ON THE SAME PRESS AS SAMPLE 0025	06/09/95	N/A	0000.280	No Lead	021819950024
4	E13	COLUMNS E-13 TO E-14 THIS SAMPLE IS ON THE SAME PRESS AS SAMPLE 0024	06/09/95	N/A	0004.900	Lead	021819950025
4	F-15	H-7 MEDIUM PRESS GREEN PAINT ON PRESS LOCATED BY COLUMNS F-13 TO F-14	06/09/95	N/A	0005.300	Lead	021819950026

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4	F-13	H-7 MEDIUM PRESS BLACK PAINT ON PRESS LOCATED BY COLUMNS F-13 TO F-14 SAME PRESS AS SAMPLE 0026	06/09/95	N/A	0000.190	No Lead	021819950027
4	C-13	BASEMENT H-PRESS LINE. PAINT ON FIRE GIRDER AT C-13-1 BOTTOM OF H-LINE STEPS	06/09/95	N/A	0000.011	No Lead	021819950029
4	D-13	BASEMENT H-PRESS LINE. GREEN PAINT ON MOTOR GUARD AT CEILING LEVEL FOR H-5 PRESS.	06/09/95	N/A	0000.095	No Lead	021819950030
4	C-14	BASEMENT H-PRESS LINE. YELLOW PAINT ON SCREEN GUARD END OF CONVEYOR. C-14-2 TO D-14-1.	06/09/95	N/A	0001.500	Lead	021819950031
4	D-13	BASEMENT BEAM BETWEEN D-13-2 TO D-13-1 WHITE PAINT WITH ORANGE PAINT UNDERNEATH.	06/09/95	N/A	0002.400	Lead	021819950032
4	C-13	BASEMENT BOTTOM OF STEPS AT C-13-1 RED FIRE LINE PIPE.	06/09/95	N/A	0000.950	Lead	021819950033
4	C-13	BASEMENT BOTTOM OF STEPS AT C-13-2 BLUE CANNISTER FOR AIR AND PIPING H-LINE CONVEYOR.	06/09/95	N/A	0000.081	No Lead	021819950034
4	C-13	BANISTE FOR STAIRWAY TO BASEMENT AT COLUM C-13 YELLOW PAINT OFF OF RAILING.	06/09/95	N/A	0009.100	Lead	021819950035
4	ML18	FILTERS THESES FILTERS WERE ON A RACK AND THIS IS THE DUST THAT FELL FROM THEM WHILE DIRTY THEN TAKEN	09/17/98	N/A	N.D.	No Lead	021819980085
4	U13	BULK SAMPLE OF SUSPECTED LEAD FROM STUDS ON DIE RAILS.	07/23/03	N/A	0100.000	Lead	021820030115
5	3-G3	GREY PAINT WITH RUST UNDERNEATH IN BAY #3 ON NEW RAILS TO HOLD DIES SAMPLE FROM BOTTOM OF RAIL.	02/12/97	N/A	0000.890	Lead	021819970012
5	3-E3	DARK BLUE PAINT ON DRILL PRESS RD-9 IN BAY #3 AT COLUMN E3.	03/21/96	N/A	0000.140	No Lead	021819960010
5	3-D3	GREY PAINT ON I-1 MILL AT THE REAR IN BAY #3 COL. D3.	03/21/96	N/A	0000.360	No Lead	021819960011
5	3-D3	BEIGE PAINT WITH GRAY UNDERNEATH ON I-1 MILL REAR AT COLUMN D3 BAY #3 ON DIE FLOOR.	03/21/96	N/A	0000.200	No Lead	021819960012
5	3-D3	YELLOW PAINT WITH GREY UNDERNEATH AT I-1 MILL REAR AT COLUMN D3 IN BAY #3 DIE FLOOR.	03/21/96	N/A	0006.400	Lead	021819960013
5	3-A2	RED PAINT ON DRAIN PIPE #34 IN BAY 3 AT COLUMN A2 UNDER WINDOWS IN THE REAR.	03/21/96	N/A	0002.600	Lead	021819960015

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5	3-A2	GRAY PAINT ON WATER PIPE IN BAY #3 AT COLUMN A2 IN TOOL & DIE DEPARTMENT.	03/21/96	N/A	0000.500	Lead	021819960016
5	3-A2	YELLOW PAINT ON DOCK AREA IN BAY #3 AT COLUMN A2 ON FLOOR UNDER SAFETY RAILS.	03/21/96	N/A	0012.000	Lead	021819960017
5	3-H2	ORANGE PAINT ON LADDER AT H3 COLUMN IN BAY #3 NEXT TO STRETCHER AND PHONE BOOTHS.	03/21/96	N/A	0008.000	Lead	021819960018
5	3 G3	WHITE PAINT WITH RUST UNDERNEATH IN BAY #3 PM NEW RAILS TO HOLD DIES SAMPLE FROM BOTTOM OF RAIL.	02/12/97	N/A	0000.350	No Lead	021819970013
5	3 F3	RAILS HOLDING DIES FOR PREP WORK ON THE LEFT HAND SIDE OF BAY.	02/12/97	N/A	0014.000	Lead	021819970014
5	3-F3	RAILS HOLDING DIES FOR PREP WORK ON THE LEFT HAND SIDE OF BAY.	02/12/97	N/A	0001.700	Lead	021819970015
5	DF11	BEHIND STORAGE BINS FOR PUNCHES AND BUTTONS IN BETWEEN D-LINE AND G- LINE.	04/09/98	N/A	0000.100	No Lead	021819980041
5	DE11	WATER FOUNTAIN ATTACHED SAMPLE JUST ABOVE WATER FOUNTAIN ON THE SAME COLUMN.	04/09/98	N/A	0000.030	No Lead	021819980042
5	RRBD	INSIDE OF #1 LASER FROM BURNING GALVANIZED STEEL THIS DUST LAYS ON THE TABLE AFTER A BURN.	09/17/98	N/A	N.D.	No Lead	021819980083
5	C11	WHITE PAINT FROM CEILING OVER TOP OF DIE FLOOR EAST WELD BOOTH WHICH IS FALLING TO THE FLOOR.	06/17/99	N/A	0000.060	No Lead	021819990072
5	C11	BEIGE PAINT FROM CEILING OVER TOP OF DIE FLOOR EAST WELD BOOTH WHICH IS FALLING TO THE FLOOR.	06/17/99	N/A	0000.050	No Lead	021819990073
ENGO	OFF1	DUST FROM TOP OF STORAGE BIN IN ENGINEERING OFFICE FROM MY BINS AT NORTH END OF OFFICE.	05/25/01	N/A	N.D.	No Lead	021820010054
MA 4	MAP8	GREY PAINT SAMPLE FROM SPO-F38 RACKS RUNNING IN A-METAL MAKING CAV FO-PRC-OOL #22619681.	06/27/02	N/A	N.D.	No Lead	021820020065
MA 4	U5	SPOTS ON GALVANIZED STEEL. TORIT EXHAUST IN PLACE. BULK FROM #10 STATI ON ON T69843 FIXTURE.	02/05/03	N/A	N.D.	No Lead	021820030013
MA4	MN10	WELD CHECK BOOTH IN METAL BLACK PAINT WITH YELLOW UNDERNEATH FROM LEFT SIDE OF TABLE(NORTH).	05/25/01	N/A	0000.230	No Lead	021820010050
MA4	MN10	WELD CHECK BOOTH IN METAL GREEN PAINT FROM TABLE TOP WHERE WELD CHECKS ARE DONE.	05/25/01	N/A	N.D.	No Lead	021820010051
MA4	MN10	WELD CHECK BOOTH IN METAL YELLOW FROM TABLE LEG IN FRONT TO THE SOUTH NEXT TO WALL.	05/25/01	N/A	N.D.	No Lead	021820010052

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MA4	MN10	WELD CHECK BOOTH IN METAL GREEN AND DIRT FROM FLOOR IN FRONT OF TABLE.	05/25/01	N/A	0000.032	No Lead	021820010053
Not listed	O-16	COLUMN AT O-16 PAINTED GRAY. IT WAS NOTED THAT THE REAR MAY DIFFERENT LAYERS OF PAINT ON THIS COLUMN.	05/11/94	N/A	0000.920	Lead	021819940036
Not listed	O-17	DESK AT O-17. CAGE PAINTED YELLOW, NO PRIMER NOTED ON BASE STEEL.	05/11/94	N/A	0000.005	No Lead	021819940037
Not listed	Not Given	POWDER BLUE COATING ON PARTS DIE #6054 LOCATED IN DIE STORAGE AREA.	05/11/94	N/A	0006.600	Lead	021819940038
Not listed	H-15	LIGHT GREEN PAINTING OF BUILDING COLUMN. IT WAS NOTED THAT COLUMN HAS VARIOUS LAYERS OF PAINT.	05/11/94	N/A	0002.600	Lead	021819940039
Not listed	Not Given	DARK BLUE PAINT ON LARGE DIE LOCATED IN STEEL STORAGE AREA.	05/11/94	N/A	0000.028	No Lead	021819940040
Not listed	Not Given	TRACK WELL. VARIOUS LAYERS OF RED NOTED ON THE PIPE COATING.	05/11/94	N/A	0010.000	Lead	021819940041
Not listed	O-16	ORANGE PAINT ON FOUR FOOT BY FIVE FOOT MATERIAL BASKET.	05/11/94	N/A	0000.060	No Lead	021819940042
Not listed	C-13	BASEMENT H-PRESS LINE. PAINT ON BEAMS TO LEFT AS YOU COME DOWN STEPS AT C-13-2	06/09/95	N/A	0000.021	No Lead	021819950028
Not listed	C13-	BASEMENT UNDER H-LINE TAKING SAMPLES OF WHITE PAINT ON 12" AND 18" I-BEAMS.	07/28/95	N/A	0000.100	No Lead	021819950042
Not listed	C13	BASEMENT UNDER H-LINE TAKING SAMPLES OF WHITE PAINT ON 12" AND 18" I-BEAMS.	07/28/95	N/A	0006.600	Lead	021819950043
Not listed	DC13	BASEMENT UNDER H-LINE TAKING SAMPLES OF WHITE PAINT ON 12" AND 18" I-BEAMS.	07/28/95	N/A	0000.030	No Lead	021819950044
Not listed	E13	BASEMENT UNDER H-LINE TAKING SAMPLES OF WHITE PAINT ON 12" AND 18" I-BEAMS.	07/28/95	N/A	0000.300	No Lead	021819950045
Not listed	Not Given	YELLOW PAINT WITH GREEN AND BLACK UNDERNEATH ON THE BANISTER NEXT TO GREEN ROOM.	09/20/95	N/A	0013.000	Lead	021819950054
Not listed	Not Given	BLACK PAINT ON BANISTER NEXT TO GREEN ROOM WITH ORANGE AND GREEN AND YELLOW PAINT UNDERNEATH.	09/20/95	N/A	0014.000	Lead	021819950055
Not listed	Not Given	GRAY PAINT ON DOCKS ON THE BOTTOM OF WATER FLOW VALVE #191 BETWEEN TELEPHONE BOOTHS.	09/20/95	N/A	0000.350	No Lead	021819950056

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RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
Not listed	U-21	RED PAINT WITH YELLOW UNDERNEATH ON SUPPORT BEAM PN THE DOCKS NEXT TO TIME CLOCK AND STEPS TO OFFICES.	09/20/95	N/A	0013.000	Lead	021819950057
Not listed	L-20	WHITE PAINT WITHORANGE UNDERNEATH AT L-20 DIE STOR AGE RACK #RNS-3 ACROSS FROM PM BUILDING.	09/20/95	N/A	0021.000	Lead	021819950058
Not listed	MH	GREEN PAINT IN MEN'S ROOM LOCATED IN MAIN HALL UPSTAIRS 2ND FLOOR.RIGHT SIDE OF HALL.	09/20/95	N/A	0000.140	No Lead	021819950059
Not listed	N	BEIGE PAINT IN MAIN CRIB LOCATED AT COLUMN "N" ON THE CEILING OVER TOP OF DRILLS AND EMERY PAPER.	09/20/95	N/A	0001.600	Lead	021819950060
Not listed	H-6	H-LINE CRANE BRIDGE GIRDER UP ON TOP OF CRANE.	09/28/95	N/A	0000.800	Lead	021819950061
Not listed	Not Given	BEIGE PAINT WITH GREEN UNDERNEATH	10/12/95	N/A	0000.760	Lead	021819950064
Not listed	M-4	ORANGE PAINT	10/12/95	N/A	0001.000	Lead	021819950065
Not listed	M-4	BEIGE WITH ORANGE UNDERNEATH.	10/12/95	N/A	0001.500	Lead	021819950066
Not listed	L-4	GRAY PAINT	10/12/95	N/A	0000.130	No Lead	021819950067
Not listed	K-4	YELLOW PAINT.	10/12/95	N/A	0012.000	Lead	021819950068
Not listed	G-5	WHITE PAINT.	10/12/95	N/A	0002.400	Lead	021819950069
Not listed	Not Given	IN GRINDING CRIB AT THE RIGHT REAR OF CRIB NEXT TO WALL FACING SOUTH IN PLANT.	11/17/95	N/A	N.D.	No Lead	021819950073
Not listed	Not Given	IN THE GRINDING CRIB AT RIGHT REAR OF CRIB NEXT TO WALL FACING THE MAIN CRIB IN A SOUTHERN DIRECTION.	11/17/95	N/A	N.D.	No Lead	021819950074
Not listed	CRIB	IN GRINDING CRIB IN THE RIGHT REAR NEXT TO WALL OF MAIN CRIB FACING SOUTH.	11/17/95	N/A	0000.110	No Lead	021819950075
Not listed	CRIB	IN GRINDING CRIB ALONG REAR WALL OVERTOP OF MONOSE T GRINDER AND DESK RUNNING EAST TO WEST.	11/17/95	N/A	0000.450	No Lead	021819950076
Not listed	G-5	GREY PAINT AT COLUMN G-5 IN BAY #3 FRONT RIGHT SUPPORT COLUMN BETWEEN BAY#3 AND A-LINE.	11/17/95	N/A	0000.750	Lead	021819950077

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N.D. = None Detected

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
Not listed	G-5	GREY PAINT AT COLUMN G-5 IN BAY #3 FRONT RIGHT SUPPORT COLUMN BETWEEN BAY #3 AND A-LINE.	11/17/95	N/A	0000.740	Lead	021819950078
Not listed	H-3	WHITE PAINT ON COLUMN H-3 IN MACHINE SHOP FRONT AND MAIN ISLE.	11/17/95	N/A	0000.770	Lead	021819950079
Not listed	H-3	RED PAINT WITH GREEN AND WHITE UNDERNEATH ON H-3 COLUMN IN THE MACHINE SHOP AND MAIN ISLE.	11/17/95	N/A	0000.910	Lead	021819950080
Not listed	H-3	WATER FLOW PIPES IN MACHINE SHOP AT COLUMN H-3 NEXT TO MAIN ISLE.	11/17/95	N/A	0000.930	Lead	021819950081
Not listed	H-3	WATER FLOW PIPES IN MACHINE SHOP AT COLUMN H-3 NEXT TO MAIN ISLE.	11/17/95	N/A	0000.770	Lead	021819950082
Not listed	H-4	CRANE STEPS AT COLUMN H-4 MAIN ISLE AND MACHINE SHOP, TO THE LEFT SIDE OF THE WATER FOUNTAIN.	11/17/95	N/A	VOID	Void	021819950083
Not listed	H-4	CRANE STEPS AT COLUMN H-4 MAIN ISLE AND MACHINE SHOP, TO THE LEFT SIDE OF THE WATER FOUNTAIN.	11/17/95	N/A	0014.000	Lead	021819950084
Not listed	R-1	REMOVAL OF R-1 PRESS AND INSTALL I-BEAMS FOR NEW FLOOR BEIGE PAINT ON I-BEAMS.	12/13/95	N/A	0001.600	Lead	021819950085
Not listed	R-1	REMOVAL OF R-1 PRESS AND INSTALL I-BEAMS FOR NEW FLOOR YELLOW PAINT ON FLOOR BOARDS AND BEAMS.	12/13/95	N/A	0000.010	No Lead	021819950086
Not listed	R-1	REMOVAL OF R-1 PRESS AND INSTALL I-BEAMS FOR NEW FLOOR WHITE PAINT ON FLOOR BOARDS AND BEAMS.	12/13/95	N/A	0000.010	No Lead	021819950087
Not listed	R-1	REMOVAL OF R-1 PRESS AND INSTALL I-BEAMS FOR NEW FLOOR WHITE PAINT ON FLOOR BOARDS AND BEAMS.	12/13/95	N/A	0000.020	No Lead	021819950088
Not listed	H-3	BLUE WITH GREY UNDERNEATH AND GREEN INBETWEEN AT D-1 PRESS REAR TOP OF DIE WITH SLIDE FOR H-3 PRESS.	12/13/95	N/A	0000.530	Lead	021819950089
Not listed	H-3	GRAY PAINT WITH BLUE UNDERNEATH ON H-3 PRESS TOP AND SLIDE.	12/13/95	N/A	0000.560	Lead	021819950090
Not listed	H-3	BEHIND D-1 PRESS ON PRESS TOP AND SLIDE TO BE INSTALLED ON H-3.	12/13/95	N/A	0000.550	Lead	021819950091
Not listed	3-D3	BLACK PAINT ON ELECTRIC BOX AT COLUMN D-3 IN BAY #3 DIE FLOOR.	03/21/96	N/A	0000.410	No Lead	021819960009
Not listed	Not Given	DARK GREEN PAINT ON CABINET AT B3 COLUMN BEHIND DEVLIEG MILL IN BAY #3 DIE FLOOR.	03/21/96	N/A	0001.400	Lead	021819960014
Not listed	Not Given	PAINT SAMPLES FROM THE CEILING OF THE PAINT SHOP AND SIDE OF WALL FACING WEST NEXT TO STORAGE BINS.	11/12/97	N/A	0000.850	Lead	021819970109
Not listed	Not Given	RECEIVING CRIB ON THE WEST WALL NEXT TO SINK GREEN PAINT.	03/24/99	N/A	0000.980	Lead	021819990030

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
Not listed	MAP8	METAL MAKING CAV FO-PRC-OOL #22619681. BLUE PAINT HAS RUST UNDERNEATH.	06/27/02	N/A	N.D.	No Lead	021820020066
Not listed	Not Given	BLACK PAINT TAKEN FROM TRAP SHEER REMOVAL.	06/12/03	N/A	0001.500	Lead	021820030088
PR 4	D6	BULK SAMPLE OF BLUE PAINT FROM D-1 PRESS BEING REM OVED.	08/05/03	N/A	0001.100	Lead	021820030131
PR 4	D6	BULK SAMPLE OF GREEN PAINT FROM D-1 PRESS NORTH SIDE.	08/05/03	N/A	0000.320	No Lead	021820030132
PR 4	D6	BULK SAMPLE OF GREY PAINT FROM D-1 PRESS NORTH SIDE.	08/05/03	N/A	0000.062	No Lead	021820030133
PR 4	D6	BULK SAMPLE OF BLACK PAINT FROM D-1 PRESS.	08/05/03	N/A	0000.110	No Lead	021820030134
T&D	CRIB	BULK SAMPLE FROM STORAGE SHELVE #8 IN GRINDING CRIB AND PUNCH AND BUTTON STORAGE AREA.	04/25/02	N/A	0000.100	No Lead	021820020042
T&D	CRIB	BULK SAMPLE FROM STORAGE SHELVE #8 IN GRINDING CRIB AND PUNCH AND BUTTON STORAGE AREA.	04/25/02	N/A	0000.036	No Lead	021820020043
BAY 2	F1	KNEE GRINDER, dark blue paint	12/04/03	No Lead (0.04)	N/A	No Lead	N/A
BAY 2	D1	RD17 RADIAL, grey paint	12/04/03	No Lead (0.1)	N/A	No Lead	N/A
BAY 2	D1	WINDOW SASH, grey paint	12/04/03	Inconclusive (0.29)	0.026	No Lead	0218 2003 0228
BAY 2	D1	DIES IN REPAIR, yellow paint (Die # T94-31668) gray paint under yellow paint.	02/05/04	Inconclusive (0.40)	0.36	No Lead	0218 2004 0025
BAY 2	D1	DIES IN REPAIR, light blue paint	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 2	C1	PAINT ON COLUMN, yellow paint	12/04/03	Lead (7.3)	N/A	Lead	N/A
BAY 2	C1	PAINT ON COLUMN, red paint	12/04/03	Lead (5.7)	N/A	Lead	N/A
BAY 2	C1	PAINT ON COLUMN, white paint	12/04/03	Lead (4.1)	N/A	Lead	N/A
BAY 2	C1	DIE HORSES, dark brown/black paint	12/04/03	Lead (1.5)	N/A	Lead	N/A
BAY 2	AB1	81 HEATER AT BAY 2 DOOR, dark gray paint	12/04/03	Inconclusive (0.35)	4.00	Lead	0218 2003 0229

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REV. 06/18/07

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BAY 2	AB1	30C1 GROVE CRANE, dark yellow	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 2	AB1	30C1 GROVE CRANE, bright yellow (light)	12/04/03	Lead (1.0)	N/A	Lead	N/A
BAY 2	AB3	I3 MILL, gray paint	12/04/03	Inconclusive (0.43)	0.2	No Lead	0218 2003 0232
BAY 2	AB3	G&L MILL, light blue	12/04/03	Lead (1.8)	N/A	Lead	N/A
BAY 2	AB3	I2 MILL, light blue paint	12/04/03	Inconclusive (0.5)	0.23	No Lead	0218 2003 0231
BAY 2	AB3	I2 MILL, gray paint	12/04/03	Lead (1.0)	N/A	Lead	N/A
BAY 2	AB3	LUCAS	12/04/03	No Lead (0.03)	N/A	No Lead	N/A
BAY 2	C3	MATTISON GRINDER	12/04/03	No Lead (0.04)	N/A	No Lead	N/A
BAY 2	C3	BLANCHARD GRINDER	12/04/03	Lead (1.4)	N/A	Lead	N/A
BAY 2	C3	SG-3 SURFACE GRINDER, blue paint	12/04/03	Lead (1.0)	N/A	Lead	N/A
BAY 2	D3	I1 MILL, Light blue paint	12/04/03	Inconclusive (0.6)	0.25	No Lead	0218 2003 0230
BAY 2	E3	HORIZONTAL DRILL, yellow paint	12/04/03	Lead (3.4)	N/A	Lead	N/A
BAY 2	E3	HORIZONTAL DRILL, blue paint	12/04/03	No Lead (0.19)	N/A	No Lead	N/A
BAY 2	E3	PORTABLE LAMINA DRILL UNIT, orange paint	12/04/03	Lead (2.6)	N/A	Lead	N/A
BAY 3	G5	10 TON MONORAIL CRANES	12/04/03	Lead (12.0)	N/A	Lead	N/A
BAY 3	D3	SPOTTING PRESS	12/04/03	Inconclusive (0.3)	0.45	No Lead	0218 2003 0235
BAY 3	D3	DO-ALL SAW, blue paint	12/04/03	No Lead (0.01)	N/A	No Lead	N/A
BAY 3	D3	FILLING MACHINE, blue paint	12/04/03	No Lead (0.22)	N/A	No Lead	N/A

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BAY 3	D3	GRINDER, blue paint	12/04/03	Inconclusive (0.48)	0.63	Lead	0218 2003 0234
BAY 3	C3	ROBOT ARMS IN REPAIR AREA, yellow paint	12/04/03	Inconclusive (0.31)	4.6	Lead	0218 2003 0233
BAY 3	C3	TRANSFER CART, yellow paint	12/04/03	Lead (5.1)	N/A	Lead	N/A
BAY 3	C5	HYDRAULIC JACK SET, orange paint	02/05/04	Lead (1.5)	N/A	Lead	N/A
BAY 3	C5	HYDRAULIC JACK SET, yellow paint	02/05/04	Inconclusive (0.44)	2.4	Lead	0218 2004 0026
BAY 3	C5	HYDRAULIC JACK SET, light blue paint	02/05/04	No Lead (0.00)	N/A	No Lead	N/A
BAY 3	B4	KNEE GRINDER, blue paint	12/04/03	No Lead (0.07)	N/A	No Lead	N/A
BAY 3	B4	S4 SPOTTING PRESS, blue paint	12/04/03	No Lead (0.09)	N/A	No Lead	N/A
BAY 3	B4	YELLOW TRANSFER CART	12/04/03	Lead (1.7)	N/A	Lead	N/A
BAY 3	B5	BROWN STORAGE RACK	12/04/03	Inconclusive (0.5)	0.14	No Lead	0218 2003 0238
BAY 3	B5	PAINT ON BUILDING COLUMN, yellow	12/04/03	Lead (2.4)	N/A	Lead	N/A
BAY 3	B5	PAINT ON BUILDING COLUMN, red	12/04/03	Lead (2.1)	N/A	Lead	N/A
BAY 3	B5	PAINT ON BUILDING COLUMN, white	12/04/03	No Lead (0.23)	N/A	No Lead	N/A
BAY 4 - A LINE	C5	A-1 DIE CART, yellow paint	12/04/03	Lead (5.1)	N/A	Lead	N/A
BAY 4 - A LINE	C5	A-1 DIE CART, dark blue paint	12/04/03	No Lead (0.02)	N/A	No Lead	N/A
BAY 4 - A LINE	C5	A-1 DIE CART, black paint	02/05/04	No Lead (0.01)	N/A	No Lead	N/A
BAY 4 - A LINE	C5	A-1 DIE CART, orange paint	02/05/04	Lead (2.4)	N/A	Lead	N/A
BAY 4 - A LINE	C5	A-1 DIE READY STAND	02/05/04	No Lead (0.01)	N/A	No Lead	N/A

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BAY 4 - A LINE	C5	A-1 LOADER, gray paint	12/04/03	No Lead (0.01)	N/A	No Lead	N/A
BAY 4 - A LINE	C5	A-1 PRESS, blue paint	12/04/03	No Lead (0.09)	N/A	No Lead	N/A
BAY 4 - A LINE	C5	A-1-2 CONVEYOR, blue paint	12/04/03	No Lead (0.01)	N/A	No Lead	N/A
BAY 4 - A LINE	D5	A-2 PRESS, blue paint	12/04/03	No Lead (0.03)	N/A	No Lead	N/A
BAY 4 - A LINE	D5	A-3 PRESS, blue paint	12/04/03	Inconclusive (0.45)	0.28	No Lead	0218 2003 0236
BAY 4 - A LINE	E5	A-4 PRESS, blue paint	12/04/03	Inconclusive (0.28)	0.38	No Lead	0218 2003 0237
BAY 4 - A LINE	E5	A-5 PRESS, blue paint	12/04/03	Inconclusive (0.28)	0.38	No Lead	0218 2003 0237
BAY 4 - A LINE	F5	A-6 PRESS, blue paint	12/04/03	Inconclusive (0.41)	0.38	No Lead	0218 2003 0237
BAY 4 - A LINE	F5	A-7 PRESS, blue paint	12/04/03	Inconclusive (0.33)	0.38	No Lead	0218 2003 0237
BAY 5 - B LINE	F7	ELECTRIC CABINETS ON PLATFORM	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 5 - B LINE	F7	ISI UNITS ON PLATFORM	12/04/03	No Lead (0.07)	N/A	No Lead	N/A
BAY 5 - B LINE	F7	YELLOW SUPPORTS FOR PLATFORM (2nd column from N.E. corner under platform)	12/04/03	Lead (4.5)	N/A	Lead	N/A
BAY 5 - B LINE	F7	YELLOW SUPPORTS FOR PLATFORM (all other support columns under platform)	12/04/03	No Lead (0.04)	N/A	No Lead	N/A
BAY 5 - B LINE	F7	BLUE COMPUTER CABINET	12/04/03	No Lead (0.03)	N/A	No Lead	N/A
BAY 5 - B LINE	E7	B-7 PRESS, blue paint	12/04/03	No Lead (0.04)	N/A	No Lead	N/A
BAY 5 - B LINE	E7	B-6 PRESS, blue paint	12/04/03	No Lead (0.07)	N/A	No Lead	N/A
BAY 5 - B LINE	D7	B-5 PRESS, blue paint	12/04/03	No Lead (0.08)	N/A	No Lead	N/A
BAY 5 - B LINE	D7	B-4 PRESS, blue paint	12/04/03	Inconclusive (0.46)	0.2	No Lead	0218 2003 0245

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BAY 5 - B LINE	C7	B-3 PRESS, blue paint	12/04/03	No Lead (0.06)	N/A	No Lead	N/A
BAY 5 - B LINE	C7	B-3 PRESS, black paint	12/04/03	No Lead (0.01)	N/A	No Lead	N/A
BAY 5 - B LINE	C7	B-2 PRESS, blue paint	12/04/03	No Lead (0.12)	N/A	No Lead	N/A
BAY 5 - B LINE	C7	B-2 PRESS, black paint	12/04/03	No Lead (0.01)	N/A	No Lead	N/A
BAY 5 - B LINE	C7	B-1 PRESS, blue paint	12/04/03	No Lead (0.06)	N/A	No Lead	N/A
BAY 5 - B LINE	C7	B-1 DESTACKER, blue paint	12/04/03	No Lead (0.01)	N/A	No Lead	N/A
BAY 5 - B LINE	C7	LADDER AT B-1 DESTACKER, yellow paint	12/04/03	No Lead (0.01)	N/A	No Lead	N/A
BAY 5 - B LINE	C7	OH STRUCTURE AT B-1 DESTACKER, blue paint	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 5 - B LINE	C9	JIB CRANE, yellow paint	12/04/03	Lead (2.3)	N/A	Lead	N/A
BAY 5 - B LINE	C9	B-1 DIE CART, blue paint	12/04/03	Lead (1.2)	N/A	Lead	N/A
BAY 5 - B LINE	C9	B-1 READY STAND	02/05/04	No Lead (0.02)	N/A	No Lead	N/A
BAY 5 - B LINE	C9	ELECTRICAL BOXES ON COLUMN, black paint	12/04/03	No Lead (0.17)	N/A	No Lead	N/A
BAY 5 - B LINE	C9	LIFTING CADDY	12/04/03	No Lead (0.05)	N/A	No Lead	N/A
BAY 5 - B LINE	F9	ELEVATOR ENCLOSURE, gray paint	12/04/03	Inconclusive (0.37)	0.45	No Lead	0218 2003 0246
BAY 5 - B LINE	G9	DIE STORAGE RAILS, smaller rails, white paint	12/04/03	No Lead (0.02)	N/A	No Lead	N/A
BAY 5 - B LINE	G10	DIE STORAGE RAILS, thicker rails, white paint	12/04/03	Lead (10.0)	N/A	Lead	N/A
BAY 5 - B LINE	G9	STEAMBOOTH, blue paint	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 5 - B LINE	G9	STEAMBOOTH, white paint	12/04/03	No Lead (0.00)	N/A	No Lead	N/A

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BAY 6- D BAY	B11	SHEET FLOPPER, yellow paint	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 6- D BAY	B11	SHEET FLOPPER, orange paint	12/04/03	Lead (2.3)	N/A	Lead	N/A
BAY 6- D BAY	B11	SHEET FLOPPER, white paint	12/04/03	No Lead (0.03)	N/A	No Lead	N/A
BAY 7 - G BAY	B12	G-1 DIE CART, green paint	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 7 - G BAY	B12	G-1 READY STAND, orange paint	12/04/03	No Lead (0.02)	N/A	No Lead	N/A
BAY 7 - G BAY	B12	G-1 READY STAND, purple paint	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 7 - G BAY	B12	G-1 DESTACKER, blue paint	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 7 - G BAY	B12	G-1 DESTACKER, yellow paint	12/04/03	No Lead (0.01)	N/A	No Lead	N/A
BAY 7 - G BAY	B12	G-1 DESTACKER, red paint	12/04/03	No Lead (0.01)	N/A	No Lead	N/A
BAY 7 - G BAY	B12	G-1 DESTACKER, orange paint	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 7 - G BAY	C11	G-1 PRESS, yellow paint	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 7 - G BAY	C11	G-1 PRESS, blue paint	12/04/03	No Lead (0.09)	N/A	No Lead	N/A
BAY 7 - G BAY	C11	G-2 PRESS, black paint	12/04/03	No Lead (0.04)	N/A	No Lead	N/A
BAY 7 - G BAY	C11	G-2 PRESS, blue paint	12/04/03	No Lead (0.01)	N/A	No Lead	N/A
BAY 7 - G BAY	D11	G-3 PRESS, black paint	12/04/03	No Lead (0.01)	N/A	No Lead	N/A
BAY 7 - G BAY	D11	G-3 PRESS, blue paint	12/04/03	No Lead (0.02)	N/A	No Lead	N/A
BAY 7 - G BAY	D11	G-4 PRESS, black paint	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 7 - G BAY	D11	G-4 PRESS, blue paint	12/04/03	No Lead (0.04)	N/A	No Lead	N/A

NITON: > 1.0 = Lead Containing; < 0.1 = No Lead; 0.1 to 1.0 = Inconclusive (requires lab analysis to confirm)

BULK SAMPLE (LAB ANALYSIS): > 0.5% = Lead Containing

N.D. = None Detected

REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
BAY 7 - G BAY	E11	G-5 PRESS	12/04/03	No Lead (0.04)	N/A	No Lead	N/A
BAY 7 - G BAY	E11	G-6 PRESS	12/04/03	No Lead (0.04)	N/A	No Lead	N/A
BAY 7 - G BAY	E11	G-7 PRESS	12/04/03	No Lead (0.2)	N/A	No Lead	N/A
BAY 7 - G BAY	F13	HANDRAIL ON STEPS TO PLATFORM	12/04/03	Lead (1.2)	N/A	Lead	N/A
BAY 7 - G BAY	F13	CONTROL CABINENTS ON PLATFORM, light gray paint	12/04/03	No Lead (0.09)	N/A	No Lead	N/A
BAY 7 - G BAY	F13	CONTROL CABINENTS ON PLATFORM, white paint	12/04/03	No Lead (0.00)	N/A	No Lead	N/A
BAY 8 - H-BAY	B14	H-1 DESTACKER STRUCTURE, blue paint	12/04/03	No Lead (0.1)	N/A	No Lead	N/A
BAY 8 - H-BAY	B14	H-1 DESTACKER STRUCTURE, yellow paint	12/04/03	No Lead (0.01)	N/A	No Lead	N/A
BAY 8 - H-BAY	B14	H-1 DESTACKER STRUCTURE, orange paint	12/04/03	No Lead (0.04)	N/A	No Lead	N/A
BAY 8 - H-BAY	C15	H-1 DIE CART	12/04/03	No Lead (0.1)	N/A	No Lead	N/A
BAY 8 - H-BAY	C15	H-1 READY STAND	12/04/03	No Lead (0.03)	N/A	No Lead	N/A
BAY 8 - H-BAY	C15	H-1 PRESS, blue paint	12/04/03	Lead (1.1)	N/A	Lead	N/A
BAY 8 - H-BAY	C15	H-2 PRESS	12/04/03	No Lead (0.11)	N/A	No Lead	N/A
BAY 8 - H-BAY	D15	H-3 PRESS	12/04/03	No Lead (0.08)	N/A	No Lead	N/A
BAY 8 - H-BAY	D15	H-4 PRESS	12/04/03	Inconclusive (0.33)	0.19	No Lead	0218 2003 0244
BAY 8 - H-BAY	D15	H-5 PRESS (sample taken on press itself)	12/04/03	No Lead (0.13)	N/A	No Lead	N/A
BAY 8 - H-BAY	D15	H-5 PRESS (sample taken on door on north side of press)	12/04/03	Lead (0.9)	N/A	Lead	N/A
BAY 8 - H-BAY	F15	SCREEN ENCLOSURE AT STEPS TO PIT, yellow paint	12/04/03	Lead (1.6)	N/A	Lead	N/A

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N.D. = None Detected

REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
BAY 9 - K BAY	F15	K-5 PRESS, gray paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
BAY 9 - K BAY	E15	K-4 PRESS, gray paint	01/08/04	No Lead (0.18)	N/A	No Lead	N/A
BAY 9 - K BAY	E15	K-3 PRESS, gray paint	01/08/04	No Lead (0.16)	N/A	No Lead	N/A
BAY 9 - K BAY	D15	K-2 PRESS, gray paint	01/08/04	No Lead (0.13)	N/A	No Lead	N/A
BAY 9 - K BAY	C15	K-1 PRESS, sample taken on press above floor level	12/04/03	No Lead (0.13)	N/A	No Lead	N/A
BAY 9 - K BAY	C15	K-1 PRESS, sample taken from lower part of press in press pit	12/04/03	No Lead (0.09)	N/A	No Lead	N/A
BAY 9 - K BAY	C15	DIE CART FOR PROG PRESS, orange paint	01/08/04	Lead (0.80)	N/A	Lead	N/A
BAY 9 - K BAY	C15	DIE CART FOR PROG PRESS, yellow paint	01/08/04	No Lead (0.02)	N/A	No Lead	N/A
BAY 9 - K BAY	C15	DIE CART FOR PROG PRESS, gray paint	01/08/04	No Lead (0.13)	N/A	No Lead	N/A
BAY 9 - K BAY	C15	DIE READY STAND FOR PROG PRESS, gray paint	02/05/04	No Lead (0.00)	N/A	No Lead	N/A
BAY 9 - K BAY	C15	DIE READY STAND FOR PROG PRESS, orange paint	02/05/04	No Lead (0.00)	N/A	No Lead	N/A
BAY 9 - K BAY	B16	CONTROL PANEL ON COLUMN, black paint	12/04/03	No Lead (0.08)	N/A	No Lead	N/A
BAY 10 - N BAY	C17	N-1 LOADER, orange paint	01/08/04	No Lead (0.02)	N/A	No Lead	N/A
BAY 10 - N BAY	C17	N-1 LOADER, yellow paint	01/08/04	No Lead (0.03)	N/A	No Lead	N/A
BAY 10 - N BAY	C17	N-1 LOADER, red paint	01/08/04	No Lead (0.10)	N/A	No Lead	N/A
BAY 10 - N BAY	C17	N-1 DIE CART, gray paint	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
BAY 10 - N BAY	C17	N-1 READY STAND, orange paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
BAY 10 - N BAY	C17	N-1 READY STAND, blue paint	01/08/04	No Lead (0.02)	N/A	No Lead	N/A

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
AY 10 - N BA	C17	N-1 READY STAND, red paint	01/08/04	No Lead (0.03)	N/A	No Lead	N/A
AY 10 - N BA	C17	N-1 READY STAND, yellow paint	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
AY 10 - N BA	C17	N-1 PRESS, gray paint	01/08/04	Inconclusive (0.24)	0.22	No Lead	0218 2004 0010
AY 10 - N BA	C17	N-2 PRESS, gray paint	01/08/04	Inconclusive (0.47)	N.D.	No Lead	0218 2004 0011
AY 10 - N BA	D17	N-3 PRESS, gray paint	01/08/04	No Lead (0.08)	N/A	No Lead	N/A
AY 10 - N BA	D17	N-4 PRESS, gray paint	01/08/04	No Lead (0.17)	N/A	No Lead	N/A
AY 10 - N BA	F17	N-5 PRESS, gray paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
AY 10 - N BA	F17	N-LINE PLATFORM (SUPPORT COLUMN), yellow paint	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
AY 10 - N BA	F17	STAIRS TO N-LINE PLATFORM, gray paint	01/08/04	No Lead (0.16)	N/A	No Lead	N/A
AY 10 - N BA	F17	YELLOW HANDRAIL ON STAIRS TO N-LINE PLATFORM	01/08/04	Inconclusive (0.5)	16	Lead	0218 2004 0012
AY 10 - N BA	F17	N-LINE: ISI CABINETS ON PLATFORM, gray paint	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
AY 10 - N BA	F17	LADDERS TO N-LINE PRESSES, gray paint	01/08/04	No Lead (0.02)	N/A	No Lead	N/A
AY 11 - O BA	G19	PRESS 50-61	01/08/04	No Lead (0.02)	N/A	No Lead	N/A
AY 11 - O BA	G19	PRESS DG-3	01/08/04	No Lead (0.11)	N/A	No Lead	N/A
AY 11 - O BA	F19	O-6 CONVEYOR, blue paint	01/08/04	No Lead (0.03)	N/A	No Lead	N/A
AY 11 - O BA	F19	O-6 PRESS, gray paint	01/08/04	Lead (1.0)	N/A	Lead	N/A
AY 11 - O BA	F19	O-5 PRESS, gray paint	01/08/04	Lead (1.8)	N/A	Lead	N/A
AY 11 - O BA	E19	O-4 PRESS, gray paint	01/08/04	Lead (1.1)	N/A	Lead	N/A

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
AY 11 - O BA	E19	O-3 PRESS, gray paint	01/08/04	No Lead (0.04)	N/A	No Lead	N/A
AY 11 - O BA	D19	O-2 PRESS, gray paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
AY 11 - O BA	C19	O-1 PRESS, gray paint	01/08/04	No Lead (0.09)	N/A	No Lead	N/A
AY 11 - O BA	B19	O-1 LOADER, blue paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
AY 11 - O BA	B19	O-1 LOADER, red paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
AY 11 - O BA	B19	O-1 LOADER, yellow paint	01/08/04	No Lead (0.21)	N/A	No Lead	N/A
AY 11 - O BA	B19	O-1 LOADER, orange paint	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
AY 11 - O BA	B19	O-LINE DIE READY STANDS, white paint	02/05/04	No Lead (0.02)	N/A	No Lead	N/A
P BAY	F-20	Off-white paint from structural steel in floor between F-20/F-21, small beam running east-west	04/20/06	N/A	N.D.	No Lead	0447 2006 0016
P BAY	F-20	Off-white paint from structural steel in floor between F-20/F-21, large support beam running north-south	04/20/06	N/A	1.2	Lead	0447 2006 0017
P BAY	C-20	Off-white paint from structural steel in floor between C-20/C-21, small beam running east-west	04/20/06	N/A	0.16	No Lead	0447 2006 0018
P BAY	E-21	New press, off-white/green/off-white layers removed from west side of press, approximately 3 feet from floor.	05/12/06	N/A	0.013	No Lead	0515 2006 0006
TEEL STORE	B21	WINDOW SASH	12/04/03	No Lead (0.02)	N/A	No Lead	N/A
TEEL STORE	AC21	RECEIVING BUILDING, blue paint	01/08/04	No Lead (0.02)	N/A	No Lead	N/A
TEEL STORE	AC21	HEATER ABOVE TRACK 3 DOOR	12/04/03	No Lead (0.04)	N/A	No Lead	N/A
TEEL STORE	AC21	CRANE LADDER NEAR HEATER ABOVE TRACK 3 DOOR, yellow	12/04/03	Lead (1.6)	N/A	Lead	N/A
TEEL STORE	AB21	LADDER GOING UP TO HEATER ABOVE TRACK 3 DOOR, white	12/04/03	Lead (1.8)	N/A	Lead	N/A
TEEL STORE	B17	PROG PRESS, gray paint	01/08/04	No Lead (0.10)	N/A	No Lead	N/A

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
TEEL STORE	B17	COIL FEED TO PROG PRESS, gray paint	01/08/04	No Lead (0.05)	N/A	No Lead	N/A
TEEL STORE	B17	COIL STAND FOR PROG PRESS, yellow guarding	01/08/04	Lead (2.5)	N/A	Lead	N/A
TEEL STORE	B17	CONVEYORS IN STORAGE, green paint	01/08/04	No Lead (0.06)	N/A	No Lead	N/A
TEEL STORE	B17	CONVEYORS IN STORAGE, HS-3 conveyor, green paint	01/08/04	Lead (0.90)	N/A	Lead	N/A
TEEL STORE	B17	CONVEYORS IN STORAGE, HS-6, green paint	01/08/04	Inconclusive (0.30)	1.2	Lead	0218 2004 0001
TEEL STORE	B17	CONVEYORS IN STORAGE, yellow paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
TEEL STORE	B17	CONVEYORS IN STORAGE, gray paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
TEEL STORE	B17	CONVEYORS IN STORAGE, blue paint	01/08/04	No Lead (0.04)	N/A	No Lead	N/A
TEEL STORE	B12	LADDER TO CRANES, white/yellow paint	01/08/04	Lead (3.7)	N/A	Lead	N/A
TEEL STORE	B9	CO-3 PRESS, blue paint	01/08/04	No Lead (0.12)	N/A	No Lead	N/A
TEEL STORE	B9	ROLLER FOR CO-3 PRESS	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
TEEL STORE	B9	FEED EQUIPMENT FOR CO-3 PRESS	01/08/04	No Lead (0.12)	N/A	No Lead	N/A
TEEL STORE	A8	#82 HEATER IN TRUCKWELL, green paint	01/08/04	Lead (1.0)	N/A	Lead	N/A
TEEL STORE	A8	OVERHEAD DOOR IN TRUCKWELL, gray paint	01/08/04	No Lead (0.11)	N/A	No Lead	N/A
TEEL STORE	A8	OVERHEAD DOOR IN TRUCKWELL, yellow paint	01/08/04	Lead (1.4)	N/A	Lead	N/A
TEEL STORE	B8	CO-2 PRESS	12/04/03	No Lead (0.06)	N/A	No Lead	N/A
TEEL STORE	B6	HS-5 PRESS	12/04/03	No Lead (0.06)	N/A	No Lead	N/A
TEEL STORE	B6	FEED EQUIPMENT NEAR HS-5 PRESS	12/04/03	No Lead (0.02)	N/A	No Lead	N/A

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

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TEEL STORE	B6	SQUARE SHEAR	12/04/03	No Lead (0.14)	N/A	No Lead	N/A
PRESS PIT		#1 BALER, orange paint	01/08/04	Lead (5.1)	N/A	Lead	N/A
PRESS PIT		#1 BALER, blue paint	01/08/04	No Lead (0.04)	N/A	No Lead	N/A
PRESS PIT		#1 BALER, green/gray paint	01/08/04	No Lead (0.15)	N/A	No Lead	N/A
PRESS PIT		#1 BALER, gray paint	01/08/04	No Lead (0.22)	N/A	No Lead	N/A
PRESS PIT		#1 BALER, yellow paint	01/08/04	Lead (2.8)	N/A	Lead	N/A
PRESS PIT		A-CONVEYOR FRAME AT INCLINE, yellow guarding	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
PRESS PIT		A-CONVEYOR FRAME AT INCLINE, black paint	01/08/04	Inconclusive (0.3)	1.3	Lead	0218 2004 0002
PRESS PIT		A-CONVEYOR FRAME AT INCLINE, white paint	01/08/04	Inconclusive (0.36)	0.62	Lead	0218 2004 0003
PRESS PIT		A-1 PRESS BOTTOM	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
PRESS PIT		PAINT ON HORIZONTAL GIRDER NEAR A-1 PRESS BOTTOM	01/08/04	Lead (13.0)	N/A	Lead	N/A
PRESS PIT		PAINT ON BASEMENT COLUMN, gray paint	01/08/04	Lead (4.1)	N/A	Lead	N/A
PRESS PIT		PAINT ON BASEMENT COLUMN, white paint	01/08/04	Lead (2.4)	N/A	Lead	N/A
PRESS PIT	C10	OVERHEAD ELECTRIC BUS DUCT, black paint	01/08/04	No Lead (0.07)	N/A	No Lead	N/A
PRESS PIT	C15	BOTTOM OF K-1 PRESS, white paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
PRESS PIT	C15	BOTTOM OF K-1 PRESS, gray paint	01/08/04	No Lead (0.07)	N/A	No Lead	N/A
PRESS PIT	C15	BOTTOM OF K-2 PRESS, gray paint	01/08/04	No Lead (0.09)	N/A	No Lead	N/A
PRESS PIT	C16	CONVEYOR FOR PROG PRESS SCRAP, green paint	01/08/04	No Lead (0.04)	N/A	No Lead	N/A

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

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PRESS PIT	C17	TORIT AIR CLEANERS, blue paint	01/08/04	No Lead (0.04)	N/A	No Lead	N/A
PRESS PIT	C18-2	ELECTRIC CABINET - WELTRONIC	01/08/04	No Lead (0.07)	N/A	No Lead	N/A
PRESS PIT	C19	N-1 PRESS BOTTOM	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
PRESS PIT	C19	O-1 PRESS BOTTOM	01/08/04	No Lead (0.04)	N/A	No Lead	N/A
PRESS PIT	D20-1	P-FEEDER CONVEYOR, yellow guarding	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
PRESS PIT	D20-1	P-FEEDER CONVEYOR, black paint	01/08/04	No Lead (0.12)	N/A	No Lead	N/A
PRESS PIT	D20-1	P1-P2 ELECTRIC CABINET	01/08/04	No Lead (0.02)	N/A	No Lead	N/A
PRESS PIT	B21-1	DOOR HEATER	01/08/04	Inconclusive (0.36)	5.6	Lead	0218 2004 0004
METAL ASM	K20	DIE TRAILERS, yellow paint	01/08/04	No Lead (0.10)	N/A	No Lead	N/A
METAL ASM	K20	DIE TRUCKS, yellow paint	01/08/04	Lead (1.9)	N/A	Lead	N/A
METAL ASM	K21	FIRE CRIB, red paint	01/08/04	Inconclusive (0.1 and 0.7)	0.93	Lead	0218 2004 0014
DIE BUILDING	M21	CRANE SUPPORT STRUCTURE, white paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
DIE BUILDING	M21	PRIMER ON BUILDING COLUMNS, brown	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
DIE BUILDING	M21	CRANE LADDER, yellow paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
DIE BUILDING	M21	HEATER AT DOOR, gray paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
EXECUTIVE GARAGE		Paint from ceiling of Executive Garage, white paint with beige underneath	07/01/04	N/A	0.055	No Lead	0218 2004 0133
METAL ASM	M20	SP-1 SMALL PRESS, gray paint	01/08/04	No Lead (0.08)	N/A	No Lead	N/A
METAL ASM	M20	SP-3 SMALL PRESS, gray paint	01/08/04	No Lead (0.02)	N/A	No Lead	N/A

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

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METAL ASM	N20	50-62 PRESS, gray paint	01/08/04	No Lead (0.02)	N/A	No Lead	N/A
METAL ASM	N20	Ram for 50-62 PRESS, beige paint	01/08/04	Lead (0.8)	N/A	Lead	N/A
METAL ASM	O20	SG-1 PRESS, gray paint	01/08/04	No Lead (0.11)	N/A	No Lead	N/A
METAL ASM	O20	SG-2 PRESS, gray paint	01/08/04	Inconclusive (0.30)	0.42	No Lead	0218 2004 0013
METAL ASM	O20	SG-3 PRESS, gray paint	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
METAL ASM	O20	SG-4 PRESS, gray paint	01/08/04	Inconclusive (0.34)	0.42	No Lead	0218 2004 0013
METAL ASM	O20	SG-1-4 PRESSES, blue paint	01/08/04	No Lead (0.22)	N/A	No Lead	N/A
RUCK REPAIR	U23	BATTERY CHARGERS, gray/black	01/08/04	No Lead (0.1)	N/A	No Lead	N/A
RUCK REPAIR	U23	BATTERY CHARGING TABLES, green paint	01/08/04	Lead (5.4)	N/A	Lead	N/A
RUCK REPAIR	U23	NEW BATTERIES FOR TRUCKS, bright yellow paint	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
RUCK REPAIR	U23	OLD BATTERIES FOR TRUCKS, pale yellow paint	01/08/04	Lead (0.80)	N/A	Lead	N/A
RUCK REPAIR	U23	BULDOZIER, yellow paint	01/08/04	Lead (13.0)	N/A	Lead	N/A
RUCK REPAIR	U23	PAYLOADER, yellow paint	01/08/04	Lead (5.1)	N/A	Lead	N/A
RUCK REPAIR	U23	JLG - MANLIFT, beige paint	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
RUCK REPAIR	U27	HEATER OUTSIDE AT TRACK 4	12/04/03	No Lead (0.14)	N/A	No Lead	N/A
RUCK REPAIR	U26	White paint from Truss in truck repair area over battery chargers	05/31/05	N/A	0.16	No Lead	0218 2005 0053
RUCK REPAIR	U26	White paint from cross pipe in truck repair area over battery chargers	05/31/05	N/A	0.12	No Lead	0218 2005 0054
METAL ASM	O19	WELD STANDS, yellow paint	01/08/04	No Lead (0.00)	N/A	No Lead	N/A

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BULK SAMPLE (LAB ANALYSIS): > 0.5% = Lead Containing

N.D. = None Detected

REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
METAL ASM	O19	WELD STANDS, blue paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
METAL ASM	N17	WELD STANDS, blue paint	01/08/04	No Lead (0.02)	N/A	No Lead	N/A
METAL ASM	J15	WELD GUN TRACKS AND TROLLEYS, green paint	02/05/04	No Lead (0.01)	N/A	No Lead	N/A
METAL ASM	J15	WELD GUN TRACKS AND TROLLEYS, orange paint	02/05/04	Lead (1.1)	N/A	Lead	N/A
METAL ASM	J15	WELD GUN TRACKS AND TROLLEYS, yellow paint	02/05/04	No Lead (0.00)	N/A	No Lead	N/A
METAL ASM	J13	Stairs rising to administration building from factory floor, black paint on stairs	02/05/04	Lead (2.5)	N/A	Lead	N/A
METAL ASM	J13	Yellow guard rail near stairs rising to administration building from factory floor	02/05/04	Lead (2.5)	N/A	Lead	N/A
METAL ASM	J13	Cored-in guard post in front of stairs leading to administration building from factory floor, yellow paint	02/05/04	No Lead (0.10)	N/A	No Lead	N/A
METAL ASM	K14	Red paint cracking and falling off pipe at column K-14 FIRE LINE.	06/18/07	N/A	0.25	No Lead	0518 2007 0043
METAL ASM	H14	YELLOW PLATFORM AT AISLE	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
METAL ASM	K15	SANYO PRESS, orange paint	01/08/04	Lead (1.5)	N/A	Lead	N/A
METAL ASM	K15	SANYO PRESS, blue paint	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
METAL ASM	M13	TESCO PRESS, yellow paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
METAL ASM	M13	TESCO PRESS, orange paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
METAL ASM	M13	TESCO PRESS, blue paint	01/08/04	No Lead (0.06)	N/A	No Lead	N/A
METAL ASM	P10	CK DOOR PERIMETER FENCING, black paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
METAL ASM	P10	CK DOOR PERIMETER FENCING, yellow paint	01/08/04	No Lead (0.00)	N/A	No Lead	N/A
METAL ASM	P10	CK DOOR ROBOTS (ABB), orange paint	02/05/04	No Lead (0.00)	N/A	No Lead	N/A

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
METAL ASM	P10	MISC EQUIPMENT AROUND LINE, off-white color paint	01/08/04	No Lead (0.02)	N/A	No Lead	N/A
METAL ASM	N10	CK Door Heater Duct (overhead), white paint	02/05/04	No Lead (0.00)	N/A	No Lead	N/A
METAL ASM	N12	Structural support bars for large metal scrap rack on wheels, orange paint with light blue underneath	02/05/04	Lead (1.8)	N/A	Lead	N/A
METAL ASM	N12	Side panels on large metal scrap rack on wheels, orange paint with light blue underneath	02/05/04	No Lead (0.08)	N/A	No Lead	N/A
METAL ASM	R9	HEM TOOLS - ORANGE, # 41-12309R	01/08/04	Lead (1.0)	N/A	Lead	N/A
METAL ASM	R9	HEM TOOLS - ORANGE, # 12521	01/08/04	Lead (1.6)	N/A	Lead	N/A
METAL ASM	U8	HEM TOOLS - BLUE	01/08/04	No Lead (0.02)	N/A	No Lead	N/A
METAL ASM	U8	HEM TOOLS - PURPLISH-BLUE	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
METAL ASM	T7	TO-1B MINSTER PRESS	12/04/03	Inconclusive (0.5)	0.81	Lead	0218 2003 0243
METAL ASM	T5	CK BOXSIDE - NACHI ROBOTS, orange paint	02/05/04	Inconclusive (0.6)	6.8	Lead	0218 2004 0028
METAL ASM	T5	CK BOXSIDE - Base of NACHI ROBOTS, light brown/red paint	02/05/04	No Lead (0.06)	N/A	No Lead	N/A
METAL ASM	T5	CK Boxside - blue paint on miscellaneous equipment in weld cells	02/05/04	No Lead (0.01)	N/A	No Lead	N/A
METAL ASM	T5	CK BOXSIDE - weld stands inside weld cells, orange paint	02/05/04	No Lead (0.02)	N/A	No Lead	N/A
METAL ASM	U3	PLATFORM FOR DATA PROCESSING AC UNIT, green paint	01/08/04	No Lead (0.02)	N/A	No Lead	N/A
METAL ASM	U3	LADDER TO PLATFORM FOR DATA PROCESSING AC UNIT, yellow paint	01/08/04	Lead (2.8)	N/A	Lead	N/A
	T9	Building column, yellow paint.	01/05/05	Inconclusive (0.8)	0.68	Lead	0447 2005 0002
	P-11	Building column, yellow paint.	01/05/05	Inconclusive (0.8)	0.68	Lead	0447 2005 0002
	P-10 3/4	Building column, yellow paint.	01/05/05	Lead (1.2)	N/A	Lead	N/A

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BULK SAMPLE (LAB ANALYSIS): > 0.5% = Lead Containing

N.D. = None Detected

REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
	M-19	Building column, yellow paint.	01/05/05	Lead (1.8)	N/A	Lead	N/A
	R-19	Building column, yellow paint.	01/05/05	Lead (2.0)	N/A	Lead	N/A
	S-18	Building column, yellow paint.	01/05/05	Lead (1.0)	N/A	Lead	N/A
	U-26 1/2	Building column, yellow paint.	01/05/05	Lead (1.7)	1.9	Lead	0447 2005 0001
	S-19	Building column S-19, yellow paint (sample not taken by IH, sample taken by Julie Conway and sent to Severn Trent Lab by Env. Eng. Karen Keys)	02/05/05	N/A	N.D.	No Lead	Severn-Trent Lab (Solid Waste Method 846-6010B)
METAL ASM	N5	CIRCULATING WATER ORANGE PIPING	01/08/04	Lead (4.5)	N/A	Lead	N/A
METAL ASM	J-7	White paint from inside walls of Green Room (note: room was taken down with torch cutting before bulk sample results known, air sample for lead showed non-detect)	03/22/06	N/A	2.7	Lead	0447 2006 0015
CYLINDER STORAGE CRIB	N-21	White paint on wall of cylinder storage crib	03/21/06	N/A	0.063	No Lead	0447 2006 0013
CYLINDER STORAGE CRIB	N-21	Green paint on wall of cylinder storage crib	03/21/06	N/A	0.037	No Lead	0447 2006 0014
MACH SHOP	J3	CINN. MILL	01/08/04	No Lead (0.09)	N/A	No Lead	N/A
MACH SHOP	J3	LODGE & SHIPLEY LATHE, yellow flywheel guard	01/08/04	Lead (1.7)	N/A	Lead	N/A
MACH SHOP	J3	LODGE & SHIPLEY LATHE, blue paint	01/08/04	Inconclusive (0.39)	0.13	No Lead	0218 2004 0005
MACH SHOP	J3	MAZAK MACHINING CENTER, blue paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A
MACH SHOP	J3	MAZAK MACHINING CENTER, off-white color paint	01/08/04	No Lead (0.06)	N/A	No Lead	N/A
MACH SHOP	J3	OKUMA LATHE, off-white color paint	01/08/04	No Lead (0.01)	N/A	No Lead	N/A

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
MACH SHOP	J3	Air duct on ceiling, white paint.	02/25/04	N/A	0.006	No Lead	0218 2004 0056
PAINT SHOP	P21	WALLS OF PAINT SHOP, yellow paint	01/08/04	No Lead (0.03)	N/A	No Lead	N/A
PAINT SHOP	P21	WALLS OF PAINT SHOP, white paint	01/08/04	No Lead (0.01)	0.22	No Lead	0218 2004 0006
PAINT SHOP	P21	WALLS OF PAINT SHOP, red paint	01/08/04	Inconclusive (0.36)	0.12	No Lead	0218 2004 0007
OUTSIDE		CAR PULLER, yellow paint	02/05/04	Lead (1.3)	N/A	Lead	N/A
OUTSIDE		CAR PULLER, green paint	02/05/04	No Lead (0.16)	N/A	No Lead	N/A
OUTSIDE		CAR PULLER, gray paint (outside)	02/05/04	Inconclusive (0.7)	0.03	No Lead	0218 2004 0027
OUTSIDE		CAR PULLER, white paint	02/05/04	No Lead (0.00)	N/A	No Lead	N/A
OUTSIDE		Yellow paint from hand rail on first set of steps going out of plant (toward parking lot)	07/01/04	N/A	N.D.	No Lead	0218 2004 0139
OUTSIDE		BOILER ON GROUND OUTSIDE AT 500,000 GALLON WATER TANK, green paint with white underneath	07/01/04	N/A	0.28	No Lead	0218 2004 0136
OUTSIDE		BOILER ON GROUND OUTSIDE AT 500,000 GALLON WATER TANK, green paint with black underneath	07/01/04	N/A	0.44	No Lead	0218 2004 0137
OUTSIDE		BOILER ON GROUND OUTSIDE AT 500,000 GALLON WATER TANK, orange paint	07/01/04	N/A	N.D.	No Lead	0218 2004 0138
OUTSIDE		500,000 GALLON WATER TANK, grey paint wih red underneath, reading #1	05/26/04	N/A	0.093	No Lead	0218 2004 0100
OUTSIDE		500,000 GALLON WATER TANK, grey paint wih red underneath, reading #2	05/26/04	N/A	0.15	No Lead	0218 2004 0101
OUTSIDE		200,000 GALLON WATER TANK, silver paint with orange and grey underneath (west column)	05/26/04	N/A	6.6	Lead	0218 2004 0102
OUTSIDE		200,000 GALLON WATER TANK, silver paint with orange and grey underneath (north column)	05/26/04	N/A	39	Lead	0218 2004 0103
OUTSIDE		Yellow paint on guard rail on east side of building (outside) near the executive garage.	09/28/04	N/A	11	Lead	0218 2004 0212

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
OUTSIDE		Yellow paint with red paint underneath on guard rail on east side of building (outside) near the executive garage.	09/28/04	N/A	8.2	Lead	0218 2004 0213
OUTSIDE		Black paint with yellow underneath on guard rail on east side of building (outside) near the executive garage.	09/28/04	N/A	16	Lead	0218 2004 0214
OUTSIDE	ROOF	Silver paint from platform of heater house #2 on roof of plant (south-east side of roof).	11/16/05	N/A	0.0074	No Lead	0447 2005 0046
OUTSIDE	ROOF	Silver paint from heater house #2 on roof of plant (south-east side of roof).	11/16/05	N/A	1.2	Lead	0447 2005 0047
PWRHSE		#1 BOILER, silver paint	02/05/04	No Lead (0.01)	N/A	No Lead	N/A
PWRHSE		#2 BOILER, silver paint	02/05/04	No Lead (0.05)	N/A	No Lead	N/A
PWRHSE		COMPRESSORS 1 THRU 9, gray paint	02/05/04	Inconclusive (0.21)	0.65	Lead	0218 2004 0035
PWRHSE		COMPRESSORS 1 THRU 9, black paint	02/05/04	Inconclusive (0.35)	0.27	No Lead	0218 2004 0029
PWRHSE		Motor Guard on compressor # 1, yellow paint	02/05/04	Lead (2.2)	N/A	Lead	N/A
PWRHSE		BOILER FEED PUMPS & TANKS, DeAeration Tank, silver paint	02/05/04	N/A	0.2	No Lead	0218 2004 0033
PWRHSE		BOILER FEED PUMPS & TANKS (pump), silver paint	02/05/04	Lead (2.5)	N/A	Lead	N/A
PWRHSE		Blowdown for compressor #1, cream color paint	02/05/04	No Lead (0.27)	N/A	No Lead	N/A
PWRHSE		Blue painted airlines (piping) in Powerhouse	02/05/04	No Lead (0.13)	N/A	No Lead	N/A
PWRHSE		Pneumatic controls for #2 compressor, green paint	02/05/04	Inconclusive (0.12)	0.75	Lead	0218 2004 0030
PWRHSE		Chiller Unit #1, gray paint	02/05/04	No Lead (0.08)	N/A	No Lead	N/A
PWRHSE		Receiving "pot" for # 4 compressor (high temp.), gray/silver paint	02/05/04	Inconclusive (0.5)	0.7	Lead	0218 2004 0031
PWRHSE		Circulating water piping, old orange paint	02/05/04	Lead (3.5)	N/A	Lead	N/A
PWRHSE		Toe guard on elevated platform, red paint	02/05/04	No Lead (0.01)	N/A	No Lead	N/A

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REV. 06/18/07

RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

Dept.	Bay	Description of Surface Sampled	Sample Date	Lead Content from Niton Reading (mg/cm2) (Lead / No Lead)	Bulk Sample Result from Lab. (% Lead)	Implications of Lead Content (Lead / No Lead)	Bulk Sample ID (BASIS)
PWRHSE		Elevated platform, dark green paint	02/05/04	No Lead (0.1)	N/A	No Lead	N/A
PWRHSE		Natural gas line piping, new yellow paint	02/05/04	No Lead (0.00)	N/A	No Lead	N/A
PWRHSE		Natural gas line piping, old yellow paint	02/05/04	Lead (5.1)	N/A	Lead	N/A
PWRHSE		Remaining piping for # 3 chiller, blue paint	02/05/04	Inconclusive (0.39)	0.55	Lead	0218 2004 0036
PWRHSE		Brown paint on powerhouse building column outside the powerhouse, facing main plant	02/05/04	Lead (3.0)	N/A	Lead	N/A
PWRHSE		Building column-post inside powerhouse between boilers #1 and #2, light yellow/beige paint	02/05/04	Inconclusive (0.33)	0.29	No Lead	0218 2004 0034
PWRHSE		Building column-post inside powerhouse, green paint	02/05/04	Inconclusive (0.26)	0.36	No Lead	0218 2004 0032
PWRHSE		Building column-post on south side of sound proof booth inside powerhouse, light yellow/beige paint	02/05/04	Lead (4.4)	N/A	Lead	N/A
WASTE WTR		Tank #1 (outside)	02/05/04	No Lead (0.00)	N/A	No Lead	N/A
WASTE WTR		Tank #2 (outside)	02/05/04	No Lead (0.01)	N/A	No Lead	N/A
WASTE WTR		Tank #3 (outside), clarifier tank	02/05/04	No Lead (0.01)	N/A	No Lead	N/A
WASTE WTR		Tank #4 (outside), Oil Storage Tank	02/05/04	No Lead (0.02)	N/A	No Lead	N/A
WASTE WTR		PUMPS IN TREATMENT AREA, yellow paint	02/05/04	No Lead (0.07)	N/A	No Lead	N/A
WASTE WTR		PUMPS IN TREATMENT AREA, light blue paint	02/05/04	No Lead (0.1)	N/A	No Lead	N/A
WASTE WTR		PUMPS IN TREATMENT AREA, Pump # 12, yellow paint	02/05/04	Lead (1.9)	N/A	Lead	N/A
PUMPHOUSE		Fire protection pipes, red paint	02/05/04	No Lead (0.00)	N/A	No Lead	N/A
PUMPHOUSE		Light blue paint on panel box	02/05/04	No Lead (0.04)	N/A	No Lead	N/A
PUMPHOUSE		Black paint on electrical panel boxes	02/05/04	No Lead (0.04)	N/A	No Lead	N/A

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RESULTS OF LEAD SAMPLES OF PAINTED SURFACES AT MFD - PITTSBURGH

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PUMPHOUSE		Unload pump, green paint	02/05/04	No Lead (0.10)	N/A	No Lead	N/A
PUMPHOUSE		Unloading fuel oil tank filter, green paint	02/05/04	No Lead (0.15)	N/A	No Lead	N/A
PUMPHOUSE		Oil Piping, yellow paint	02/05/04	Lead (2.6)	N/A	Lead	N/A

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Appendix E

Asbestos Survey Report (excerpts)

Asbestos Survey & Labeling

FINAL REPORT



MFD PITTSBURGH

Report Date: March 10, 2006

Prepared For: **Roger Cook**
General Motors Corporation
M/C 482-520-158
2000 Centerpoint
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Karen Keys
General Motors Corporation
1451 Lebanon School Road
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Prepared By: **Camtech, Inc.**
4550 McKnight Road, Suite 210
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Camtech PIN: 0510004

This Report Has Been Reviewed and Approved By:

A handwritten signature in black ink, appearing to read "McCampbell", written over a horizontal line.

Michael A. Campbell
President
Director of Technical Services



WFG-FM Asbestos Tracking Tool (ATT)

Survey Start: 11/3/2005 Survey Stop: 1/4/2006 GM Project Number: 19085

Company: Camtech, Inc.

Primary Contact: Ursula Lesic

Phone: 412-931-1210

Master List Report of HA Number

Site: 1492 MFD - Pittsburgh

Structure: 1780 MFD Pittsburgh

Service providers are fully responsible for the quality and accuracy of the information in this report.

HA#	System	Type	Description	Uniformat Code
1	Flooring	MM/Non-Friable	Linoleum, Brown Light & Dark Pebblestone (larger Pattern)	C3024
2	Flooring	MM/Non-Friable	Linoleum, Tan Terrazzo Pattern	C3024
3	Flooring	MM/Non-Friable	Linoleum, Gray Sandstone	C3024
4	Ceiling	MM/Friable	Suspended, Random Fissure Pattern Ceiling Tile	C3032
5	City Water	TSI/Friable	Millboard Type Straight Run Insulation	D2021
6	City Water	TSI/Friable	Mud Fittings on Millboard Type Insulation	D2021
7	Window	MM/Non-Friable	Caulk, Brittle on Exterior Walls	B2020
8	Abandoned Line	TSI/Friable	Millboard Type Straight Run Insulation	
9	Abandoned Line	TSI/Friable	Mud Fittings on Millboard Type Insulation	
10	Steam	TSI/Friable	Aircell (Gray Paper) Type Straight Run Insulation	D3043
11	Steam	TSI/Friable	Mag Type Straight Run & Fittings Insulation	D3043
12	Steam	TSI/Friable	Mud Fittings on Aircell (Gray Paper) Type Insulation	D3043
13	Flooring	MM/Non-Friable	12 in x 12 in Black with White Streaks (Busy Pattern) Floor Tile	C3024
14	Flooring	MM/Non-Friable	12 in x 12 in Brown with Red Specks Floor Tile	C3024
15	Steam	TSI/Friable	Mud Fittings on Fiberglass Straight Line	D3043
16	Debris	TSI/Friable	Suspect TSI Debris (Mostly Millboard, Mud & Caulk)	
17	Lab Top	MM/Non-Friable	Black Slate/Transite Materials	E2012
18	Salvage Water	TSI/Friable	Mud Fittings on Fiberglass Straight Run	D2090
19	Roof Drain	TSI/Friable	Millboard Type Straight Run Insulation	D2042
20	Roof Drain	TSI/Friable	Mud Fittings on Millboard Type Insulation	D2042
21	Flooring	MM/Non-Friable	Linoleum, Gray with Black & White Specks	C3024
22	City Water	TSI/Friable	Mud Fittings on Fiberglass Straight Line	D2021
23	Flooring	MM/Non-Friable	12 in x 12 in Dark Olive with Black, White & Red Specks	C3024
24	Drain Line	TSI/Friable	Mud Fittings on Fiberglass Straight Line	D2040
25	HVAC	MM/Friable	Canvas (Smooth) Expansion/Vibration Joint	D3097
26	Door	MM/Non-Friable	Fire Door - (PACM)	C1021
27	Walls	TSI/Friable	Fibrous Insulation with Black Backing Inside of Slotted Walls	C3010
28	Flooring	MM/Non-Friable	Linoleum, Brown Terrazzo Pattern	C3024
29	Ceiling	MM/Friable	Suspended, Straw Pattern Tile	C3032

Master List Report of HA Number

Site: 1492 MFD - Pittsburgh

Structure: 1780 MFD Pittsburgh

Service providers are fully responsible for the quality and accuracy of the information in this report.

HA#	System	Type	Description	Uniformat Code
30	Chilled Water	TSI/Friable	Mud Fittings on Fiberglass Straight Line with Aluminum Jacket	D3031
31	HVAC	TSI/Friable	Fiberglass Blanket with Canvas & Paper Backing	D3097
32	Chilled Water	TSI/Friable	Mud Fittings on Fiberglass Straight Line	D3031
33	Condensate	TSI/Friable	Mud Fittings on Fiberglass Straight Line	D3043
34	Oven	MM/Non-Friable	Heavy Woven Door Gasket	E1029
35	Flooring	MM/Non-Friable	12 in x 12 in Cream with Light & Dark Streaks Floor Tile	C3024
36	Flooring	MM/Non-Friable	Linoleum, Multi Colored Terrazzo Pattern (Dark)	C3024
37	Sanitary Piping	TSI/Friable	Mud Fittings on Fiberglass Straight Line	G3030
38	Ceiling	MM/Friable	Suspended, Coarse Deep Cut Textured	C3032
39	Flooring	MM/Non-Friable	Linoleum, Multi Colored Terrazzo Pattern (Light)	C3024
40	Flooring	MM/Non-Friable	12 in x 12 in Dark Olive with Light & Dark Spots (Camouflage) Floor Tile	C3024
41	Flooring	MM/Non-Friable	12 in x 12 in Black with Light & Dark Spots Floor Tile	C3024
42	Condensate	TSI/Friable	Mag Type Straight Run & Fittings Insulation	D3043
43	Flooring	MM/Non-Friable	Linoleum, Off White with Gray Terrazzo Pattern	C3024
44	Abandoned Line	TSI/Friable	Mag Type Straight Run & Fittings Insulation	
45	Condensate	TSI/Friable	Tank Mudded Ends with Fiberglass Insulation	D3043
46	Debris	TSI/Friable	Suspect TSI Debris, Mag Type	
47	Roof	MM/Non-Friable	Rolled Roofing on Interior Buildings	B3011
48	Walls/Ceiling	SM/Friable	Plaster with Mesh	C1011
49	Walls/Ceiling	SM/Friable	Drywall & Mud	C1011
50	Flooring	MM/Non-Friable	12 in x 12 in Brown with Black Streaks Floor Tile	C3024
51	Flooring	MM/Non-Friable	Linoleum, Tan Sandstone	C3024
52	Flooring	MM/Non-Friable	18 in x 18 in Gray with Dark Gray & White Streaks Floor Tile	C3024
53	Ceiling	MM/Friable	12 in x 24 in Fibrous Insulation with Black Paper Ceiling Tile	C3032
54	Flooring	MM/Non-Friable	9 in x 9 in Tan with Light & Dark Streaks Floor Tile	C3024
55	Ceiling	MM/Friable	Suspended Pin Hole Pattern Ceiling Tile	C3032
56	Ceiling	MM/Friable	1 ft x 1 ft Splined Ceiling Tile	C3032
57	HVAC	TSI/Friable	Fibrous Glass with Canvas & Mud	D3097
58	Valves	MM/Non-Friable	Pressed Fibrous Gaskets	
59	Debris	TSI/Friable	Suspect TSI Debris, Horsehair	
60	Ceiling	MM/Friable	2 ft x 4 ft Cloth with Fiberglass Suspended Ceiling Tile	C3032

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HA#	System	Type	Description	Uniformat Code
61	Flooring	MM/Non-Friable	12 in x 12 in Mauve with Dark & Light Streaks Floor Tile	C3024
62	Flooring	MM/Non-Friable	Linoleum, Cream with Light & Dark Pebblestone Large Pattern	C3024
63	Flooring	MM/Non-Friable	12 in x 12 in Gray Blue Busy Pattern Floor Tile	C3024
64	Flooring	MM/Non-Friable	Linoleum, Orange & Red Pebblestone Larger Pattern	C3024
65	Flooring	MM/Non-Friable	12 in x 12 in Light Gray with Light Streaks Floor Tile	C3024
66	Condensate	TSI/Friable	Tank, Mag Type Block Insulation	D3043
67	Steam	TSI/Friable	Horsehair Insulation over Mag Type Block with Tar Paper	D3043
68	HVAC	TSI/Friable	Black Fibrous Insulation on Interior of Duct (Pinned on)	D3097
69	Ceiling	MM/Friable	Snowflake Pattern Suspended Ceiling Tile	C3032
70	Wiring	MM/Non-Friable	Woven Wire Insulation	D5010
71	HVAC	MM/Non-Friable	Heavy Woven Canvas Gasket	D3097
72	Chilled Water	TSI/Friable	Tar Caulk Wrap	D3031
73	Debris	TSI/Friable	Tar Caulk Debris	
74	Flooring	MM/Non-Friable	9 in x 9 in Black with White & Blue Splats Floor Tile	C3024
75	HVAC	MM/Non-Friable	Tar & Nylon Gasket	D3097
76	City Water	TSI/Friable	Millboard Type Straight Run with Tar Layer	D2021
77	City Water	TSI/Friable	Mud Fittings on Millboard Type Insulation with Tar Layer	D2021
78	Condensor Water	TSI/Friable	Mud Fittings on Fiberglass Straight Line	D3031
79	Chilled Water	TSI/Friable	Mud & Horsehair Fittings on Fiberglass Straight Line	D3031
80	Chilled Water	TSI/Friable	Millboard Type Straight Run Insulation	D3031
81	Chilled Water	TSI/Friable	Mud Fittings on Millboard Type Insulation	D3031
82	City Water	TSI/Friable	Horsehair Fitting on Fiberglass Straight Line	D2021
83	Ceiling	MM/Friable	Suspended, Knock Down Pattern Ceiling Water	C3032
84	Debris	TSI/Friable	Cork	
85	Cooler	TSI/Friable	Cork Insulation	D3060
86	Cooling Tower	TSI/Friable	Honeycomb Paper Filler	D3064
87	Miscellaneous	MM/Non-Friable	Transite Panels	
88	Ceiling	SM/Friable	Plaster with Sprayed on	C3031
89	Walls	SM/Friable	Cork Insulation with Brown Adhesive	C3010
90	HVAC	TSI/Friable	Mud Fittings on Fiberglass Line (Strand Units)	D3097
91	Flooring	MM/Non-Friable	12 in x 12 in Tan with Cream Streaks Floor Tile	C3024
92	Roof	MM/Non-Friable	Flat Roofing on Building Exterior	B1021

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HA#	System	Type	Description	Uniformat Code
93	Roof	MM/Non-Friable	Roof Flashing on Building Exterior	B3014
94	Oven	MM/Friable	Firebrick with Mortar	E1029
95	Diesel Fuel	TSI/Friable	Mud Fittings on Fiberglass Straight Line (Painted Yellow)	D3010
96	Flooring	MM/Non-Friable	9 in x 9 in Light Brown with Light & Dark Specks Floor Tile	C3024
97	Flooring	MM/Non-Friable	9 in x 9 in Gray with Cream Streaks Floor Tile	C3024
98	Ceiling	MM/Friable	2 ft x 4 ft Suspended Canvas Covered Gypsum Board Smooth	C3032
99	HVAC	SM/Friable	Troweled-on Plaster Material	D3097
100	Cooler	MM/Non-Friable	Black Tar Layer over Styrofoam	D3060
101	Flooring	MM/Non-Friable	Linoleum, Gray Multi-Colored Terrazzo Pattern	C3024
102	Abandoned Line	TSI/Friable	Aircell (Gray Paper) Type Straight Run Insulation	
103	Abandoned Line	TSI/Friable	Horsehair Fitting on Fiberglass Straight Line	
104	Abandoned Line	TSI/Friable	Horsehair Insulation over Mag Type Block with Tar Paper	
105	Abandoned Line	TSI/Friable	Millboard Type Straight Run with Tar Layer	
106	Abandoned Line	TSI/Friable	Mud & Horsehair Fittings on Fiberglass Straight Line	
107	Abandoned Line	TSI/Friable	Mud Fittings on Aircell (Gray Paper) Type Insulation	
108	Abandoned Line	TSI/Friable	Mud Fittings on Fiberglass Straight Line	
109	Abandoned Line	TSI/Friable	Mud Fittings on Millboard Type Insulation with Tar Layer	
110	Abandoned Line	TSI/Friable	Tar Caulk Wrap	
111	Ceiling	SM/Friable	2 X 2 Ceiling Tile	C3032
112	Ceiling	SM/Friable	2 X 4 Ceiling Tile	C3032
113	Chilled Water	TSI/Friable	Aircell (Gray Paper) Type Straight Run Insulation	D3031
114	Chilled Water	TSI/Friable	Horsehair Fitting on Fiberglass Straight Line	D3031
115	Chilled Water	TSI/Friable	Horsehair Insulation over Mag Type Block with Tar Paper	D3031
116	Chilled Water	TSI/Friable	Mag Type Straight Run & Fittings Insulation	D3031
117	Chilled Water	TSI/Friable	Millboard Type Straight Run with Tar Layer	D3031
118	Chilled Water	TSI/Friable	Mud Fittings on Aircell (Gray Paper) Type Insulation	D3031
119	Chilled Water	TSI/Friable	Mud Fittings on Millboard Type Insulation with Tar Layer	D3031
120	City Water	TSI/Friable	Aircell (Gray Paper) Type Straight Run Insulation	D2021

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HA#	System	Type	Description	Uniformat Code
121	City Water	TSI/Friable	Horsehair Fitting on Fiberglass Straight Line	D2021
122	City Water	TSI/Friable	Horsehair Insulation over Mag Type Block with Tar Paper	D2021
123	City Water	TSI/Friable	Mag Type Straight Run & Fittings Insulation	D2021
124	City Water	TSI/Friable	Mud & Horsehair Fittings on Fiberglass Straight Line	D2021
125	City Water	TSI/Friable	Mud Fittings on Aircell (Gray Paper) Type Insulation	D2021
126	City Water	TSI/Friable	Tar Caulk Wrap	D2021
127	Condensate	TSI/Friable	Aircell (Gray Paper) Type Straight Run Insulation	D3043
128	Condensate	TSI/Friable	Horsehair Fitting on Fiberglass Straight Line	D3043
129	Condensate	TSI/Friable	Horsehair Insulation over Mag Type Block with Tar Paper	D3043
130	Condensate	TSI/Friable	Millboard Type Straight Run Insulation	D3043
131	Condensate	TSI/Friable	Millboard Type Straight Run with Tar Layer	D3043
132	Condensate	TSI/Friable	Mud & Horsehair Fittings on Fiberglass Straight Line	D3043
133	Condensate	TSI/Friable	Mud Fittings on Aircell (Gray Paper) Type Insulation	D3043
134	Condensate	TSI/Friable	Mud Fittings on Millboard Type Insulation	D3043
135	Condensate	TSI/Friable	Mud Fittings on Millboard Type Insulation with Tar Layer	D3043
136	Condensate	TSI/Friable	Tar Caulk Wrap	D3043
137	Drain Line	TSI/Friable	Aircell (Gray Paper) Type Straight Run Insulation	D2040
138	Drain Line	TSI/Friable	Horsehair Fitting on Fiberglass Straight Line	D2040
139	Drain Line	TSI/Friable	Horsehair Insulation over Mag Type Block with Tar Paper	D2040
140	Drain Line	TSI/Friable	Mag Type Straight Run & Fittings Insulation	D2040
141	Drain Line	TSI/Friable	Millboard Type Straight Run Insulation	D2040
142	Drain Line	TSI/Friable	Millboard Type Straight Run with Tar Layer	D2040
143	Drain Line	TSI/Friable	Mud & Horsehair Fittings on Fiberglass Straight Line	D2040
144	Drain Line	TSI/Friable	Mud Fittings on Aircell (Gray Paper) Type Insulation	D2040
145	Drain Line	TSI/Friable	Mud Fittings on Millboard Type Insulation	D2040
146	Drain Line	TSI/Friable	Mud Fittings on Millboard Type Insulation with Tar Layer	D2040
147	Drain Line	TSI/Friable	Tar Caulk Wrap	D2040

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HA#	System	Type	Description	Uniformat Code
148	Flooring	SM/Friable	12 x 12 Floor Tile, Gray with Gray & White Streaks	C3024
149	HVAC	TSI/Friable	Rectangular Duct Work	D3097
150	Miscellaneous	MM/Non-Friable	Brown caulk	
151	Roof Drain	TSI/Friable	Aircell (Gray Paper) Type Straight Run Insulation	D2042
152	Roof Drain	TSI/Friable	Horsehair Fitting on Fiberglass Straight Line	D2042
153	Roof Drain	TSI/Friable	Horsehair Insulation over Mag Type Block with Tar Paper	D2042
154	Roof Drain	TSI/Friable	Mag Type Straight Run & Fittings Insulation	D2042
155	Roof Drain	TSI/Friable	Millboard Type Straight Run with Tar Layer	D2042
156	Roof Drain	TSI/Friable	Mud & Horsehair Fittings on Fiberglass Straight Line	D2042
157	Roof Drain	TSI/Friable	Mud Fittings on Aircell (Gray Paper) Type Insulation	D2042
158	Roof Drain	TSI/Friable	Mud Fittings on Fiberglass Straight Line	D2042
159	Roof Drain	TSI/Friable	Mud Fittings on Millboard Type Insulation with Tar Layer	D2042
160	Roof Drain	TSI/Friable	Tar Caulk Wrap	D2042
161	Salvage Water	TSI/Friable	Aircell (Gray Paper) Type Straight Run Insulation	D2090
162	Salvage Water	TSI/Friable	Horsehair Fitting on Fiberglass Straight Line	D2090
163	Salvage Water	TSI/Friable	Horsehair Insulation over Mag Type Block with Tar Paper	D2090
164	Salvage Water	TSI/Friable	Mag Type Straight Run & Fittings Insulation	D2090
165	Salvage Water	TSI/Friable	Millboard Type Straight Run Insulation	D2090
166	Salvage Water	TSI/Friable	Millboard Type Straight Run with Tar Layer	D2090
167	Salvage Water	TSI/Friable	Mud & Horsehair Fittings on Fiberglass Straight Line	D2090
168	Salvage Water	TSI/Friable	Mud Fittings on Aircell (Gray Paper) Type Insulation	D2090
169	Salvage Water	TSI/Friable	Mud Fittings on Millboard Type Insulation	D2090
170	Salvage Water	TSI/Friable	Mud Fittings on Millboard Type Insulation with Tar Layer	D2090
171	Salvage Water	TSI/Friable	Tar Caulk Wrap	D2090
172	Sanitary Piping	TSI/Friable	Aircell (Gray Paper) Type Straight Run Insulation	G3030
173	Sanitary Piping	TSI/Friable	Horsehair Fitting on Fiberglass Straight Line	G3030
174	Sanitary Piping	TSI/Friable	Horsehair Insulation over Mag Type Block with Tar Paper	G3030
175	Sanitary Piping	TSI/Friable	Mag Type Straight Run & Fittings Insulation	G3030

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HA#	System	Type	Description	Unifomat Code
176	Sanitary Piping	TSI/Friable	Millboard Type Straight Run Insulation	G3030
177	Sanitary Piping	TSI/Friable	Millboard Type Straight Run with Tar Layer	G3030
178	Sanitary Piping	TSI/Friable	Mud & Horsehair Fittings on Fiberglass Straight Line	G3030
179	Sanitary Piping	TSI/Friable	Mud Fittings on Aircell (Gray Paper) Type Insulation	G3030
180	Sanitary Piping	TSI/Friable	Mud Fittings on Millboard Type Insulation	G3030
181	Sanitary Piping	TSI/Friable	Mud Fittings on Millboard Type Insulation with Tar Layer	G3030
182	Sanitary Piping	TSI/Friable	Tar Caulk Wrap	G3030
183	Steam	TSI/Friable	Horsehair Fitting on Fiberglass Straight Line	D3043
184	Steam	TSI/Friable	Millboard Type Straight Run Insulation	D3043
185	Steam	TSI/Friable	Millboard Type Straight Run with Tar Layer	D3043
186	Steam	TSI/Friable	Mud & Horsehair Fittings on Fiberglass Straight Line	D3043
187	Steam	TSI/Friable	Mud Fittings on Millboard Type Insulation	D3043
188	Steam	TSI/Friable	Mud Fittings on Millboard Type Insulation with Tar Layer	D3043
189	Steam	TSI/Friable	Tar Caulk Wrap	D3043
190	Tower Water	TSI/Friable	Aircell (Gray Paper) Type Straight Run Insulation	D2023
191	Tower Water	TSI/Friable	Horsehair Fitting on Fiberglass Straight Line	D2023
192	Tower Water	TSI/Friable	Horsehair Insulation over Mag Type Block with Tar Paper	D2023
193	Tower Water	TSI/Friable	Mag Type Straight Run & Fittings Insulation	D2023
194	Tower Water	TSI/Friable	Millboard Type Straight Run Insulation	D2023
195	Tower Water	TSI/Friable	Millboard Type Straight Run with Tar Layer	D2023
196	Tower Water	TSI/Friable	Mud & Horsehair Fittings on Fiberglass Straight Line	D2023
197	Tower Water	TSI/Friable	Mud Fittings on Aircell (Gray Paper) Type Insulation	D2023
198	Tower Water	TSI/Friable	Mud Fittings on Fiberglass Straight Line	D2023
199	Tower Water	TSI/Friable	Mud Fittings on Millboard Type Insulation	D2023
200	Tower Water	TSI/Friable	Mud Fittings on Millboard Type Insulation with Tar Layer	D2023
201	Tower Water	TSI/Friable	Tar Caulk Wrap	D2023
202	Walls	SM/Friable	Spray-on Wall	C3010
203	Walls/Ceiling	SM/Friable	Drywall with Trowel on Plaster	C1011
204	Walls/Ceiling	MM/Friable	Smooth Plaster	C1011
205	Walls/Ceiling	SM/Friable	Textured Plaster	C1011

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HA#	System	Type	Description	Uniformat Code
206	Ceiling	SM/Friable	1 x 2 Metal Pan Tile with Fiberglass and Paper Backing	C3032
207	Ceiling	MM/Friable	Paper Backing from Metal Pan Ceiling Tile as Debris	C3032
208	Door	MM/Non-Friable	Yellow Wall Caulk	C1020
209	Flooring	MM/Non-Friable	9 x 9 Black Floor Tile with Black Mastic	C3024
210	Flooring	MM/Non-Friable	12 in x12 in Cream with Brown specks with Black Mastic	C3024
211	Flooring	MM/Non-Friable	Orange Carpet Glue	C3023
212	Flooring	MM/Non-Friable	Yellow Carpet Glue	C3023
213	Flooring	MM/Non-Friable	Black Carpet Glue	C3023
214	Flooring	MM/Non-Friable	12 in x 12 in Cream color Floor Tile with Black Mastic	C3024
215	HVAC	MM/Friable	Cream Paper Duct Insulation	D3097
216	HVAC	MM/Non-Friable	Black Rubber Sealant	D3097
217	HVAC	MM/Non-Friable	Black Putty Sealant	D3097
218	HVAC	MM/Non-Friable	White Putty Sealant	D3097
219	HVAC	MM/Non-Friable	Black Door Seal	D3097
220	HVAC	MM/Non-Friable	Silver Sealant	D3097
221	HVAC	MM/Friable	White Canvas Isolation Cloth Vibration Damper	D3097
222	HVAC	MM/Friable	Black Rubber Isolation Joint Vibration Damper	D3097
223	HVAC	MM/Non-Friable	Black Conduit Putty	D3097
224	Hot Water	TSI/Friable	Mud Fittings on "Domestic Hot Water" White Woolfelt Line	D2022
225	Sanitary Piping	TSI/Friable	Mud Fittings on Woolfelt Sanitary Sewer Line	G3030
226	Compressed Air	TSI/Friable	Mud Fittings on Compressed Air Fiberglass Line	D3041
227	Compressed Air	TSI/Friable	Mag Strait Run Insulation	D3041
228	Roof Drain	TSI/Friable	Mud Fittings on Brown Woolfelt Line	D2042
229	Walls	MM/Non-Friable	6" Black Baseboard	C3026
230	Walls	MM/Non-Friable	4" Black Baseboard	C3026
231	Walls	MM/Non-Friable	Black Building Wall Caulk	C3010
232	Walls	MM/Non-Friable	White Door Caulk to Wall	C3010
233	Walls	MM/Non-Friable	4" Gray Baseboard	C3026
234	Walls	MM/Non-Friable	4" Brown Baseboard	C3026
235	Walls	MM/Non-Friable	4" Reddish Brown Baseboard	C3026
236	Walls	MM/Non-Friable	White Brittle Door Caulk	C3010
237	Miscellaneous	MM/Non-Friable	Black Vinyl Isolation Cloth	
238	Miscellaneous	TSI/Friable	Mud Fittings on Unidentified Fiberglass Line	
239	Miscellaneous	TSI/Friable	Mag Insulation and Fittings in Unidentified Line	
240	Miscellaneous	TSI/Friable	Mud Fittings on Woolfelt Line	

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HA#	System	Type	Description	Uniformat Code
241	Ceiling	MM/Friable	12 in x 12 in Metal Pan Ceiling Tile with Fiberglass & Paper Backing	C3032
242	Hot Water	TSI/Friable	"Domestic Hot Water" Line with Mag Insulation	D2022
243	Hot Water	TSI/Friable	Mud Fittings on "Domestic Hot Water" Fiberglass Line	D2022
244	Hot Water	TSI/Friable	Mud Fittings on "Domestic Hot Water" Aircell Line	D2022
245	Door	MM/Friable	Door Insulation; Acoustical Tile and Glue Pods	C1020
246	Flooring	MM/Non-Friable	12 in x 12 in Brown Floor Tile with White Specks & Black Mastic	C3024
247	HVAC	TSI/Friable	Black Fiberglass Duct Insulation	D3097
248	HVAC	TSI/Friable	Brown Duct Insulation	D3097
249	HVAC	TSI/Friable	Brown Fibrous Insulation	D3097
250	Miscellaneous	MM/Friable	Pressed Fibrous Board	
251	Miscellaneous	MM/Non-Friable	Black Rubber Isolation Joint	
252	Miscellaneous	MM/Non-Friable	White Vinyl Isolation Cloth	
253	Miscellaneous	MM/Non-Friable	Fire Rated File Cabinets	
254	Miscellaneous	TSI/Friable	"Snow Melt" Line with Mag Insulation	
255	Miscellaneous	TSI/Friable	Green Tank Insulation (Hot Water)	
256	Miscellaneous	TSI/Friable	Mag Silver Tank Insulation	
257	Miscellaneous	TSI/Friable	Brown Corrugated Paper	
258	Window	MM/Non-Friable	White Window Glazing	B2020
259	Flooring	MM/Non-Friable	12 x 12 Yellow with Brown Floor Tile with Mastic	C3024
260	Flooring	MM/Non-Friable	Clear Carpet Glue	C3023
261	Flooring	MM/Non-Friable	Red Tile & Black Mortar	C3024
262	Flooring	MM/Non-Friable	Blue/Black Floor Glue	C3023
263	Flooring	MM/Non-Friable	Black Floor Seal	C3023
264	HVAC	MM/Friable	Gray Vinyl Smooth Vibration Damper	D3097
265	HVAC	MM/Friable	Gray Vinyl Textured Vibration Damper	D3097
266	HVAC	MM/Non-Friable	Green Canvas Vibration Damper	D3097
267	HVAC	MM/Non-Friable	Canvas Vibration Damper	D3097
268	Miscellaneous	MM/Non-Friable	Black Sink Undercoating	
269	Walls	MM/Non-Friable	Metal Pan Wall Panels	C3010
270	Walls	MM/Non-Friable	4" Blue Baseboard	C3026
271	Walls	MM/Non-Friable	Gray Wall Panel Soft Caulk	C3010
272	Walls	MM/Non-Friable	Gray Wall Panel Hard Caulk	C3010
273	Walls	MM/Non-Friable	Gray Brick Caulk	C3010
274	Walls	MM/Non-Friable	Black Brick Caulk	C3010
275	Walls	MM/Non-Friable	Black Fiberglass Wall/Door Insulation	C3010

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HA#	System	Type	Description	Uniformat Code
276	Walls	MM/Non-Friable	4" White Baseboard	C3026
277	Ceiling	MM/Friable	2 X 4 Ceiling Tile Pinholes and Squiggles	C3032
278	Ceiling	SM/Friable	Gray Spray-on	C3031
279	Ceiling	SM/Friable	White Spray-on	C3031
280	Ceiling	SM/Friable	Green Spray-on	C3031
281	Flooring	MM/Non-Friable	12 x 12 Black Floor Tile with Mastic	C3024
282	Flooring	MM/Non-Friable	12 x 12 White Floor Tile with Black Indentations and Mastic	C3024
283	HVAC	MM/Non-Friable	Gray HVAC Caulk	D3097
285	Ceiling	MM/Friable	2 X 4 Ceiling Tile, White with Light Texture Pattern	C3032
286	Ceiling	MM/Friable	2 x 2 Ceiling Tile, White, Flat, Light Texture Pattern	C3032
287	Ceiling	MM/Non-Friable	2 X 2 Drop Ceiling Tile, White, Light Texture	C3032
288	Miscellaneous	TSI/Friable	Unknown air cell straight pipe with mud fittings	
289	Roof	MM/Non-Friable	Rock tar roofing with associated roof flashing	B3011
290	Roof	MM/Non-Friable	Gravel/membrane roofing with associated flashing	B3011
291	Roof	MM/Non-Friable	Torchdown roofing above suspect 4-ply felt roofing and associated flashing	B3011
292	Walls	MM/Non-Friable	White Glue Pods	C3010
293	Walls/Ceiling	MM/Non-Friable	Brown Glue Pods	C3010
294	Walls	SM/Friable	Spray-on Insulation, Brown	C3010
295	Flooring	MM/Non-Friable	12 x 12 Floor Tile, White with Blue Speckles and Mastic	C3024
296	Flooring	MM/Non-Friable	12 x 12 Floor Tile, Off white with Gray Speckles and Mastic	C3024
297	Ceiling	MM/Friable	2 X 4 Ceiling tile, White, with Wormhole and Pinhole Pattern	C3032
298	Flooring	MM/Non-Friable	12 x 12 Gray Floor Tile with Gray Streaks and Mastic	C3024
299	Walls	SM/Friable	Spray-on Fireproofing White	C3010
300	Ceiling	MM/Friable	1 ft x 1 ft Fiberglass Ceiling Tile Painted Black	C3032
301	Ceiling	MM/Friable	1 x 2 Acoustical Ceiling Tile Pegboard Pattern	C3032
302	Ceiling	MM/Friable	1 x 1 Ceiling Tile Pegboard Pattern with Glue Pods	C3032
303	Ceiling	MM/Friable	1x1 Ceiling Tile Squiggle Pattern with Glue Pods	C3032
304	Ceiling	MM/Friable	1 x 1 Suspended Ceiling Tile	C3032
305	Ceiling	MM/Friable	1 x 1 Interlocked Ceiling Tile	C3032
306	Chilled Water	TSI/Friable	Mud Fittings on PVC Line	D3031
307	Chilled Water	TSI/Friable	Woolfelt with Mud Fittings	D3031

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HA#	System	Type	Description	Unifomat Code
308	City Water	TSI/Friable	Woolfelt Line with Mud Fittings	D2021
309	Compressed Air	TSI/Friable	Woolfelt Line with Mud Fitting	D3041
310	Door	MM/Friable	Black Pressed Fibrous Door Seal	C1020
311	Drain Line	TSI/Friable	Woolfelt Line with Mud Fittings	D2040
312	Flooring	MM/Non-Friable	Blue Carpet Glue	C3023
313	Flooring	MM/Non-Friable	12 in x 12 in Wood Floor Tile with Mastic	C3024
314	Flooring	MM/Non-Friable	Light Grey with White Streaks Linoleum	C3024
315	Walls	MM/Non-Friable	4" Cream Baseboard	C3026
316	Flooring	MM/Non-Friable	12 in x 12 in Cream with Black Speckled Floor Tile with Mastic	C3024
317	Flooring	MM/Non-Friable	12 in x 12 in Cream with Red Specks Floor Tile with Mastic	C3024
318	Flooring	MM/Non-Friable	Black Mastic under Carpet with Clear Carpet Glue	C3023
319	Flooring	MM/Non-Friable	Wood Block Flooring with Mastic	C3024
320	Flooring	MM/Non-Friable	9 in x 9 in Cream with Black Floor Tile with Mastic	C3024
321	Walls	MM/Non-Friable	4" Green Baseboard	C3026
322	Hot Water	TSI/Friable	"Domestic Hot Water" Line with Fiberglass Insulation and Mud Fittings	D2022
323	Hot Water	TSI/Friable	"Domestic Hot Water" Woolfelt Line with Mud Fittings	D2022
324	Miscellaneous	MM/Non-Friable	Black Exterior Sealant	
325	Miscellaneous	MM/Non-Friable	White Sink Undercoating	
326	Miscellaneous	MM/Non-Friable	Grey Sink Undercoating	
327	City Water	TSI/Friable	"Drinking" Woolfelt Line with Mud Fittings	D2021
328	Tower Water	TSI/Friable	Woolfelt Line with Mud Fittings	D2023
329	Walls	MM/Friable	Fibrous Wall Insulation	C3010
330	Window	MM/Non-Friable	Interior White Brittle Window Caulk	B2020
331	Ceiling	MM/Friable	9 X 9 Black, Gray, White	C3032
332	Flooring	MM/Non-Friable	12 in x 12 in Floor Tile, Gray w/Dark and Light Streaks and Mastic	C3024
333	Flooring	MM/Non-Friable	12 in x 12 in Floor Tile, Red w/Dark Streaks and Mastic	C3024
334	Flooring	MM/Non-Friable	12 in x 12 in Tan with White Streaks/Red Specks	C3024
335	Ceiling	MM/Friable	2 ft x 2 ft Drop Ceiling Tile, Textured with Pinhole Pattern	C3032
336	Ceiling	MM/Friable	2 x 4 Suspended Ceiling Tile Random Fissure with Pinhole Pattern	C3032
337	Ceiling	MM/Friable	2 ft x 2 ft Ceiling Tile, Random Fissure Pattern with Pinholes	C3032

Master List Report of HA Number

Site: 1492 MFD - Pittsburgh

Structure: 1780 MFD Pittsburgh

Service providers are fully responsible for the quality and accuracy of the information in this report.

HA#	System	Type	Description	Uniformat Code
338	Flooring	MM/Non-Friable	9 x 9 Floor Tile, Gray with Cream and Black Streaks and Mastic	C3024
339	Flooring	MM/Non-Friable	12 in x 12 in Floor Tile, Tan with Brown Streaks and Mastic	C3024
340	Flooring	MM/Non-Friable	12 in x 12 in Floor Tile, Red and Mastic	C3024
341	Flooring	MM/Non-Friable	9 in x 9 in Floor Tile, Red with Yellow Streaks and Mastic	C3024
342	Flooring	MM/Non-Friable	12 in x 12 in Floor Tile, Tan with Brown and White Streaks and Mastic	C3024
343	Flooring	MM/Non-Friable	12 in x 12 in Floor Tile, White with Black Streaks and Mastic	C3024
344	Flooring	MM/Non-Friable	12 in x 12 in Floor Tile, Tan and Black with White and Tan Streaks and Mastic	C3024
345	Flooring	MM/Non-Friable	12 in x 12 in Floor Tile, Green and Blue and Mastic	C3024
346	Flooring	MM/Non-Friable	2 ft x 2 ft Floor Tile, White with Tan Streaks and Associated Mastic	C3024
347	Walls	TSI/Friable	Fire Proofing Material	D4090
348	Boiler	TSI/Friable	Boiler Insulation	D3024
349	Boiler	TSI/Friable	Exhaust Stack Insulation, Mag Type	D3024
350	Boiler	TSI/Friable	Boiler Gasket	D3022
351	Flooring	MM/Non-Friable	9 in x 9 in Floor Tile, Green with White Streaks and Mastic	C3024
352	Flooring	MM/Non-Friable	12 in x 12 in Floor Tile, Light Green and Mastic	C3024
353	Flooring	MM/Non-Friable	12 in x 12 in Floor Tile, Green with Light Streaks and Mastic	C3024
354	Flooring	MM/Non-Friable	12 in x 12 in Floor Tile, Brown Marble Pattern and Mastic	C3024
355	Flooring	MM/Non-Friable	12 in x 12 in Floor Tile, Black Polished Marble Pattern and Mastic	C3024
356	Miscellaneous	SM/Friable	Black Isolation Cloth	
357	Miscellaneous	SM/Friable	Cream Canvas Duct Insulation Cloth	
358	Valves	MM/Non-Friable	Rubberized Valve Gasket	
359	Miscellaneous	MM/Friable	White Brittle Door Caulk	
360	Miscellaneous	MM/Friable	White Wall/Door Caulk	
361	HVAC	MM/Friable	Fiberglass duct insulation with cream fibrous wrap	D3097
362	Miscellaneous	MM/Non-Friable	Gray Vinyl Isolation Joint	
363	Walls	MM/Non-Friable	4" Grey Baseboard	C3026
364	Walls	MM/Non-Friable	4" Tan Baseboards	C3026
365	Window	MM/Friable	Window Rope Gasket	B2020

Master List Report of HA Number

Site: 1492 MFD - Pittsburgh

Structure: 1780 MFD Pittsburgh

Service providers are fully responsible for the quality and accuracy of the information in this report.

HA#	System	Type	Description	Uniformat Code
366	Flooring	MM/Friable	9 x 9 Light Grey Floor Tile	C3024
367	Roof	MM/Friable	White Brittle Building Caulk	B3011
999			Possible Inaccessible/Hidden ACM Materials	
1000			No Suspect ACM Materials	
1001			Abatement Activity	
1780-001	Sanitary Piping	TSI/Friable	Non-Corrugated Layered Gray Paper Insulation with Cloth Wrap.	
1780-002	Sanitary Piping	TSI/Friable	Mud Fittings on Layered Gray Paper Insulation With Cloth Wrap.	
1780-003	Flooring	MM/Non-Friable	Brown 9"x9" Floor Tile With Cream and Red Marble Pattern.	
1780-004	Flooring	MM/Non-Friable	Brown 9"x9" Floor Tile with Cream and Red Streaks.	
1780-005	Flooring	MM/Non-Friable	Tan and Yellow Mosaic 12"x12" Floor Tile.	
1780-006	Flooring	MM/Non-Friable	Salmon Orange Camouflage 12"x12" Floor Tile.	
1780-007	Flooring	MM/Non-Friable	Brown 9"x9" Floor Tile with Red, White, and Yellow Streaks.	
1780-008	Flooring	MM/Non-Friable	Brown 9"x9" Floor Tile With Red, White, Blue, and Yellow Streaks.	
1780-009	Flooring	MM/Non-Friable	Blue 12"x12" Floor Tile with Orange Specs.	
1780-010	Miscellaneous	TSI/Friable	Circulating Water. Aerocell Cold Pack Insulation.	
1780-011	Miscellaneous	TSI/Friable	Fuel Oil. Aerocell.	
1780-012	Flooring	MM/Non-Friable	12"x12" Tan Floor Tile with Brown and White Streaks and Mastic	
1780-013	Miscellaneous	TSI/Friable	Circulating Water. Aerocell.	

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10510 Incline Shed

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9950 Pump House
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Licensure.....	Section 6

Project Summary

Abstract

Report Date: March 10, 2006

Camtech PIN: 0510004

Project Manager: Michael A. Campbell

Administrative Manager: Ursula R. Lesic

Field Technician(s):

G. William Bainton
PA DOLI Asbestos Building Inspector 019064

Eric Beatty
PA DOLI Asbestos Building Inspector 038564

W. Lee Beatty
PA DOLI Asbestos Building Inspector 037435

Thomas Beckert
PA DOLI Asbestos Building Inspector 027543

Michael Campbell
PA DOLI Asbestos Building Inspector 015012

Caren McBane
On-Site Clerical Support

Report of: Asbestos Survey and Labeling Services

Project Location: MFD Pittsburgh

Dates of Work: 11/03/2005 – 01/04/2006

Scope of Work

Camtech, Inc. was contracted by General Motors Corporation to perform Asbestos Survey and Labeling Services at the MFD Pittsburgh complex to include the following buildings, as depicted on the following spreadsheet and diagram as provided by General Motors Corporation:

- MFD Pittsburgh

- Scale House
- Rack Repair Building
- Pump House
- Primary Switch House
- Power House
- High Tank Boiler House
- 10510 Incline Shed

Camtech documented and reported all asbestos survey data utilizing Asbestos Tracking Tool (ATT), a Microsoft Access Database provided by General Motors Corporation. *See Section 2 – ATT Database Survey Data Report By Item.*

- Item Number
- Location
 - 10x10 Gird
 - Floor
 - Level
- System
- ACM Description
- Assessment Category
- Quantification
- Sample Results, if asbestos containing
- Photo Number, if asbestos containing
- Notes

Photographs of each sample location were taken utilizing a digital camera. Each photo is labeled by sample number. *See Section 3 – Photographic Documentation.*

Camtech created HA files which identify the presence of Asbestos Containing Materials/Presumed Asbestos Containing Materials utilizing red hatch patterns. *See Section 4 – AutoCAD Diagrams.*

Samples collected during the survey were documented and reported into General Motors Biological and Air Sampling Information System (BASIS). PLM Analysis was performed by Analytics Corporation, a General Motors Corporation Industrial Hygiene Laboratory. *See Section 5 – Laboratory Analysis.*

Labeling throughout the plant identifies Camtech's survey services:

- Field-marking of sample locations with 6"x6" 10 mil plastic red color tags, where feasible (e.g., materials such as flooring, window glazing, window caulking, transite, etc. were not field marked).
- Labelling of asbestos containing materials/presumed asbestos containing materials with 6"x6" polyvinyl Lab Safety Supply 24440 labels.
- Hazardous Communication signs were posted in areas of the facility that contain asbestos containing materials/presumed asbestos containing materials.

Asbestos Survey Structure List
Your Survey Scope

Site ID	Site Name	Structure ID	Structure Name	Survey Area (SF)	Survey % of Structure	Structure Area (SF)	Notes
1492	MFD - Pittsburgh	1780	MFD Pittsburgh	777,143		958,103	Remainder, No previous Asbestos Survey. Try to cover whole areas of plant and sample damaged areas first to limit use of destructive sampling techniques, when at all possible. Can exclude abandoned portions of Admin. Bldg., Garage, Shipping & Rail Receiving Docks, and Steel Receiving Truckwell.
1492	MFD - Pittsburgh	9946	Gate House				Site Plan location of Gate House is no longer accurate but "new" Gate House does not need to be surveyed.
1492	MFD - Pittsburgh	9947	Scale House	79		79	
1492	MFD - Pittsburgh	9948	Rack Repair Bldg	6,132		6,132	
1492	MFD - Pittsburgh	9949	Storm Water Retention Basin				
1492	MFD - Pittsburgh	9950	Pump House	1,404		1,404	
1492	MFD - Pittsburgh	9951	Primary Switch House	1,124		1,124	
1492	MFD - Pittsburgh	9952	Power House	13,765		13,765	Sample of outside siding also needs collected along with other common PACM areas. Again utilize sampling in damaged areas first before using destructive sampling techniques.
1492	MFD - Pittsburgh	9953	Oil Storage Tanks (underground)				
1492	MFD - Pittsburgh	9954	200,000 Gallon Water Tank				
1492	MFD - Pittsburgh	9955	500,000 Gallon Water Tank				
1492	MFD - Pittsburgh	9956	High Tank Boiler House	257		257	
1492	MFD - Pittsburgh	9957	Storage Shed				
1492	MFD - Pittsburgh	10509	Die Bldg			20,230	
1492	MFD - Pittsburgh	10510	Incline Shed	96		96	
				800,000	79.90%	1,001,190	Total Areas (SF)
			Maximum Survey SF per proposed allocation	800,000			

Appendix F

CFC Cooling System Inventory

CFC COOLING SYSTEMS-PITTSBURGH PLANT

Location	Unit Type	Capacity (tons)	Refrigerant	Charge (pounds)
Deep Freezer #3	Copeland	5	R-12	6
Deep Freezer #2	Copeland	5	R-22	6
Refrigeration Cooler #1	Copeland	5	R-12	6
Refrigeration Cooler #4	Copeland	5	R-12	6
Vending Cooler	Copeland	2	R-22	6
Pass Through Cooler-S	Copeland	1	R-22	1.5
Water Fountains (quantity = 40)	Varies	0.125EA	R-12	0.3 EA
~~Administrative Offices #1~~	Trane	75	R-22	125
~~Administrative Offices #2~~	Trane	75	R-22	125
~~Engineering~~	Copeland	40	R-22	75
~~IBM~~	Copeland	40	R-22	75
~~Power House #2 Chiller~~	Copeland	40	R-22	75
~~Multizone~~	Copeland	25	R-22	100
~~Metrology Center #1~~	Liebert	15	R-22	40
~~Metrology Center #2~~	Liebert	15	R-22	40
~~Main Cafeteria #1~~	York	10	R-22	25
~~Main Cafeteria #2~~	York	10	R-22	25
~~Main Cafeteria #3~~	York	10	R-22	25
~~Traffic~~	Trane	10	R-22	15
~~Mezz #1~~	York	7.5	R-22	12
~~Mezz #2~~	Trane	7.5	R-22	10.25
~~Mezz #4~~	Trane	7.5	R-22	12
~~Cafeteria Storage~~	Trane	5	R-22	6
~~Green Room~~	Trane	5	R-22	6
~~Sergeant's Office~~	Trane	5	R-22	6
~~Squad Room~~	Trane	5	R-22	6
~~Mezz #3~~	Carrier	5	R-22	6
~~Telephone Room~~	Liebert	5	R-22	6
~~IBM Auxiliary~~	Trane	5	R-22	6
~~Union Work Center~~	Trane	5	R-22	6
~~Pattern Shop (window)~~	Comfort-Aire	2	R-22	3
~~Power House Office (window)~~	Comfort-Aire	2	R-22	3
~~Ice Machine~~	Scottsman	2	R-22	1.75
~~Metrology Office~~	General Electric	1.68	R-22	2.375
~~Power House Booth (window)~~	Sanyo	1.2	R-22	1.1
~~Back Gate (window)~~	Comfort-Aire	1	R-22	1.5
~~Die Building Office (window)~~	Comfort-Aire	1	R-22	1.5
~~#1 Bailer (window)~~	Comfort-Aire	1	R-22	1.5
~~#2 Bailer (window)~~	Comfort-Aire	1	R-22	1.5
~~Pass Through Cooler-N~~	Tecumseh	1	R-22	1.4
~~E.A.P. Office (window)~~		2	R-22	
~~Wellness Center~~	Trane	5	R-22	
~~A-line Voltage Panel~~		1	R-22	
~~Sub Assembly (computer)~~	Hoffman		R-22	7 oz
~~C/H Hood (computer)~~	Kooltronic		R-134a	14 oz
~~N-Line (computer)~~	Hoffman		R-134a	7 oz
~~H-Line (computer) (5 units)~~	Kooltronic		R-134a	14 oz EA
~~B-Line (computer) (7 units)~~	Kooltronic		R-134a	14 oz EA

Scenario
IN RACK

1 UNIT
replaced

Scenario

Shut
Down IN DISC

Revised/
Ref Removed
6/15/05

75 ~ 35

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