

Facility Environmental Assessment Saginaw Malleable Iron Saginaw, Michigan



General Motors Corporation
Pontiac, Michigan

July 2007

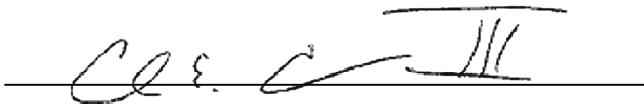


REPORT

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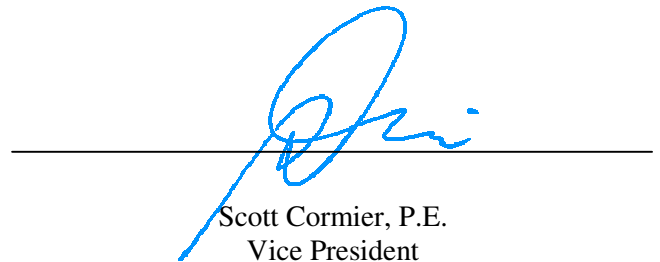
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July 2007



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O'BRIEN & GERE

Executive summary

The team of EKS Services Incorporated (EKS) and O'Brien & Gere conducted a Facility Environmental Assessment (FEA) and asbestos survey of the Saginaw Malleable Iron (SMI) facility located 77 West Center Street in Saginaw, Michigan between December 4, 2006 and January 17, 2007. The objective of the FEA was to identify the nature and number of items of environmental concern present at the site prior to decommissioning and/or demolition of the facility. The objective of the asbestos survey was to identify the types and quantities of asbestos containing materials present at the site prior to decommissioning and/or demolition of the facility. A Freedom of Information Act (FOIA) review of Michigan Department of Environmental Quality (MDEQ) files was also completed on March 28, 2007.

Several items of environmental interest were recorded during the FEA. These items included, but are not limited to: above ground storage tanks, batteries, capacitors, chlorofluorocarbon devices, containers (drums, totes, pails), cathode ray tube devices, emergency lighting, light fixtures, mercury containing devices, medical waste, oil filled machinery, radioactive devices, and transformers. Additionally, asbestos containing material was identified in various forms during the asbestos survey conducted by EKS.

O'Brien & Gere's field representatives collected 215 samples from the facility, which were analyzed for the presence of polychlorinated biphenyls (PCBs), poly-nuclear aromatic hydrocarbons (PAHs), RCRA 8 total metals, total copper and/or total zinc. These grab and composite samples were collected from fifty-two floor and pad locations, twenty-eight roof areas, two vents, stacks, and ducts, seven sumps, two trenches, thirteen beam and truss surfaces, sixteen wall and siding surfaces, one tank, one containment area, sixty-four oil-filled machine components, four filters, sixteen ovens, eight transformers, and one area of galbestos pipe insulation. The analytical results identified the presence of PCBs, total lead, total chromium, total mercury, total copper, and total zinc above the selected criteria.

During initial site meetings, O'Brien & Gere obtained analytical results from sixteen samples collected in December 2006, which were collected by SMI personnel and analyzed for PCBs. These results also indicated the presence of PCBs and are included in this report.

Items identified in the FEA will need to be removed and/or decontaminated prior to decommissioning and/or demolition of the facility.

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O'BRIEN & GERE

1.0. Introduction

At the request of General Motors Corporation (GM), the team of EKS Services Incorporated (EKS) and O'Brien & Gere conducted a Facility Environmental Assessment (FEA) and asbestos survey of the Saginaw Malleable Iron (SMI) facility located in Saginaw, Michigan between December 4, 2006 and January 17, 2007. The objectives of the FEA were to:

- Conduct an assessment of equipment to identify the nature and number of items of environmental interest that would need to be removed or decontaminated prior to equipment disposition. This included a review of the plant history, review of plant files on record with Michigan Department of Environmental Quality (MDEQ), interviews with current and former employees, and visual inspections to establish past practices and potential waste classifications for the equipment fluid materials in the equipment.
- Evaluate the presence of contaminants of concern within the waste produced from the plant. The evaluation will be used to identify the required cleaning decontamination/abatement, handling, and disposal procedures.
- Evaluate facility equipment and wastes to identify regulatory requirements with respect to material handling, disposal, and safety.
- Conduct sampling to confirm or eliminate potential areas of environmental interest that were identified during the FEA. The sampling results will be used by GM to identify potential contaminants and their concentrations in order to clean and provide data for waste disposal requirements according to the federal and state environmental agencies or/and the federal and state occupational safety and health agencies.

An "area of interest" indicates a location identified by concentrations that may be of a safety, health, and/or environmental concern to the contractor or potentially hazardous based on waste disposal criteria. Accessibility limitations and safety considerations did not allow discrete sampling of certain areas of interest; therefore, those items were noted within this report and in Table 1, and will be sampled during the Observation and Certification (O&C) phase of the project, where applicable. An "area of interest" was identified if parameter concentrations met or exceeded one or more of the following criteria:

- RCRA 8 total metals concentrations exceeding the 20 times rule of the United States Environmental Protection Agency (US EPA) TCLP regulatory limit (per 40 CFR 261)
- Total zinc and total copper concentrations exceeding the 20 times rule of the MDEQ TCLP regulatory limit based on existing waste profiles at the facility (per MDEQ Low Hazard Industrial Waste Criteria)
- Poly-nuclear Aromatic Hydrocarbon (PAH) concentrations above the MDEQ Residential Drinking Water Protection Criteria (per MDEQ Part 201)
- Polychlorinated biphenyls (PCBs) detected greater than 1 part per million (ppm) in bulk or core samples (per 40 CFR 761)
- PCBs detected greater than the US EPA criteria for surfaces in high occupancy areas of 10 $\mu\text{g}/100 \text{ cm}^2$ in wipe samples (per 40 CFR 761)

- Additional environmental or state environmental regulations governing the material, contaminant, and/or waste.

1.1. Background

The facility is located within an industrial and commercial setting and is approximately 275 acres in size. Figure 1 provides the U.S.G.S. map from the 1967 (Photorevised 1973) Saginaw, Michigan 7.5-minute quadrangle indicating the location of the plant and surrounding areas.

SMI was opened in 1917 and has remained in operation under that name throughout its history. The main operation at the site is casting of engine parts by pouring molten metal into sand molds. The Main facility is approximately 1,000,000 ft² in size. Additional site buildings, such as; the locker rooms, maintenance building, and Recycled Water Treatment Facility (RWTF) are located adjacent to the Main facility to support site operations. Other storage buildings and utility sheds, such as; the oil storage shed, light non-aqueous phase liquid (LNAPL) pump and treat shed, Butler buildings and Malleable substation are also located around the site.

1.2. Scope

1.2.1. Facility environmental assessment

The scope of work for the FEA was to identify potential environmental hazards associated with the buildings and equipment within selected areas of the facility. The areas or buildings included in the FEA are:

- Main facility (south, center, main, admin, sand reclaim)
- Locker rooms
- Maintenance building
- Butler buildings 2 & 3
- Malleable substation
- LNAPL pump and treat shed
- RWTF
- Oil storage shed

A site layout depicting the areas included in the FEA is included as Figure 2.

O'Brien & Gere performed the following activities during the facility inspection to gather information indicated in this FEA report:

- Interviewed key personnel (Current and Former Plant Environmental Engineers, Plant Electrical Engineer, Melting Department Supervisor, other long time employees) about the materials, chemicals, operations, and equipment utilized at the facility. Information collected from these individuals is included here within.
- Reviewed drawing files, which included mechanical and facility layouts

- Reviewed environmental records including past PCB sampling events, PCB inventory documents, transformer replacement documents and capacitor replacement documents
- Reviewed historical facility records on file with MDEQ through a FOIA request
- Conducted an equipment inventory
- Inspected for visible tanks with regulated materials
- Assessed and recorded the presence or absence of hazardous materials utilized at the site or areas requiring further evaluation, such as: potential polychlorinated biphenyl (PCB) impacted areas, radioactive materials, mercury containing equipment, and other chemicals utilized or present at the site

During the FEA, several areas were inaccessible to survey or sample. The locations of these areas and reasons for inaccessibility are summarized on Table 1 and will require inspection during the O&C phase.

Due to conflicting or missing column markings at the site, when referenced to various site layouts provided to O'Brien & Gere, column and bay descriptions used in this report are to be considered approximate.

1.2.2. Asbestos survey

An asbestos survey was conducted as part of the FEA by EKS. Asbestos samples were collected from suspect asbestos containing material (ACM) to identify the presence or absence of asbestos within suspect homogeneous materials. The types of ACM identified at the SMI facility are as follows:

- Galbestos insulation and panels
- Pipe and wire insulation
- Pipe fittings
- Floor tile, linoleum and mastic
- Fire doors and frames
- Window and wall caulk
- Window glazing
- Duct insulation
- Roof material and flashing
- Kiln insulation and gaskets
- Heat shields
- Sink insulation
- Lab equipment
- Backing in breakers or panels

Galbestos panels identified by the EKS asbestos survey were not sampled for PCB. These panels should be sampled prior to demolition to verify the presence or absence of PCBs in these materials as noted in Table 1. The asbestos survey prepared by EKS is included as Appendix A. A summary table of ACM types and estimated quantities is included as Table 2.



1.2.3. Sampling methods

The following methods outline the sample collection activities for non-ACM materials.

1.2.3.1. Bulk samples

Bulk samples were collected from floor build-up, debris/sludge within trenches, sumps and pits, as well as, oil from equipment reservoirs throughout the facility where sufficient material was present. These samples were analyzed for PCBs and/or total metals. Bulk samples were also collected from areas where suspected contamination was identified. When appropriate, composite samples were collected from a batch of similar equipment located in the same vicinity or from multiple points along a trench or conveyor. Following sample collection, the sample was placed directly into the sample container, the chain-of-custody record was initiated, and the sample location was recorded in the field notes. Used personal protective equipment (PPE) (e.g., latex gloves) was then placed in a plastic trash bag for proper disposal.

1.2.3.2. Core samples

The method used for collecting core samples from solid floor surfaces, such as concrete, was to drill several 1-in. diameter holes, approximately 1 to 2 in. into the surface utilizing a hammer drill. The fines were collected and placed into the sample container. The drill bit was decontaminated between each sample by scrubbing the bit with a solution of Alconox and water and then rinsing with distilled water. The samples were placed in a cooler for shipment, the chain-of-custody record was initiated, and the sample location was recorded in a field book. Used PPE and siphons (if used) were placed in a plastic trash bag for disposal.

Decontamination verification wipe samples were collected from the bit at a minimum of one verification sample per ten core samples.

1.2.3.3. Wipe samples

Wipe samples were collected from floors, trusses, beams, equipment surfaces, and other areas where insufficient materials were present to collect a grab sample. Hexane soaked wipes were utilized for PCBs. A 100-cm² area was wiped utilizing a disposable template, wiping first in a vertical direction and then in a horizontal direction. For decontamination verification samples, the 1-in. diameter bit was wiped from the tip to approximately 5in. up the bit. Following sample collection, the sample was placed directly into the sample container, the chain-of-custody record was initiated, and the sample location was recorded in the field notes. Used PPE were placed in a plastic trash bag for proper disposal.

1.2.3.4. Analytical results

Samples collected were placed into coolers. The chain-of-custody forms and samples were shipped to Merit Laboratories, Inc. (Merit), located in East Lansing, Michigan. Samples were analyzed for PCBs by Method 8082, RCRA 8 total metals, total copper, and total zinc by Method 6020 and 7471A, and Polynuclear Aromatic Hydrocarbons (PAHs) by Method 8270C. The analytical results identified the presence of PCBs and total metals exceeding selected criteria.

Table 3 provides a summary of the analytical results. Appendix B provides a copy of the laboratory reports.

2.0. Areas of interest – structure

The areas of interest relating to structure areas at the facility are summarized in the sections below.

Table 3 summarizes the structural areas and the facility equipment areas of interest. Table 3 also summarizes the results of sampling of potential areas of interest and the applicable sections of the GM Decontamination Specifications, located in Appendix C (refer to Appendix B for a copy of the laboratory reports). Table 3 identifies equipment that was located in the plant at the time of the survey and identifies the environmental items of interest (IOIs) associated with that equipment. Table 4 summarizes the quantities for environmental areas of interest identified at the plant, excluding asbestos containing material (ACM).

Sample locations for the areas of interest are included in Figures 3 through 18.

2.1. Basements

Basement areas are located in various areas of the Main facility. These basements provide access to electrical and piping systems for various facility processes. Details of IOIs identified and samples collected during the survey are included under the respective report section for that IOI.

2.2. Floors and pads

A visual inspection of was made of floors, slabs, and pads throughout the facility. These areas consisted of asphalt, concrete, sand, woodblock, concrete block, and exterior concrete pads. During the FEA, seventy-six stained floor areas were identified and recorded. Of these seventy-six floor areas, fifty-two samples were collected and analyzed for PCBs and/or total metals. The samples consisted of four wipe samples and forty-eight core samples. The wipe sample analytical results identified PCB concentrations below the EPA criteria for high occupancy areas. The core sample analytical results identified PCB concentrations ranging from non-detect to 18 mg/kg, with fourteen samples exceeding 1 mg/kg in the following areas:

Main facility (center section)

- FLR-CMG-01-059 – 1.2 mg/kg
- FLR-CMG-01-038 – 7.2 mg/kg
- FLR-CMG-01-039 – 14 mg/kg
- FLR-CMG-01-042 – 2.5 mg/kg
- FLR-CMG-01-043 – 12 mg/kg
- FLR-CMG-01-108 – 2.0 mg/kg

Main facility (main section)

- FLR-MFG-01-089 – 18 mg/kg
- FLR-MFG-0B-084 – 6.4 mg/kg
- FLR-MFG-BS-184 – 1.4 mg/kg

Main facility (south section)

- FLR-SMG-01-037 – 5.0 mg/kg
- FLR-SMG-01-041 – 7.0 mg/kg

Main facility (admin east half)

- FLR-EAD-01-062 – 2.5 mg/kg

Maintenance building

- FLR-MNT-01-095 – 4.0 mg/kg
- PAD-YAR-01-101 – 2.0 mg/kg

The core sample analytical results also identified total metals concentrations exceeding the 20-times TCLP rule for total lead in two samples in the following areas:

Main facility (center section)

- FLR-CMG-01-211 – 194 mg/kg

Maintenance building

- FLR-MNT-01-094 – 145 mg/kg

In addition, eight drill bit decontamination verification samples were collected with analytical results of non-detect showing decontamination had been properly completed. Table 3 identifies the location and a summary of the analytical results for the locations identified. Appendix B includes the analytical laboratory reports.

Concrete block floors exist under many areas of the site that have been painted over or constructed over. Based on discussions with site personnel, concrete block floors are considered PCB impacted.

Due to ongoing facility operations at the time of the FEA, selected areas used for material storage and/or noted as “Orange Crush” hazard zones did not have the concrete areas surveyed. These areas are noted on Table 1 and will require investigation once materials are removed and operations will again permit access.

During initial site meetings, various encapsulated PCB impacted floor areas were pointed out by the Plant Environmental Engineer. These areas were observed to be coated by two coats of contrasting color epoxy paint; however, no markings were observed denoting the areas as PCB impacted. Analytical results for these floor areas was available for review at the site but were not provided to be included in this report. As a result, these areas were assumed to be PCB impacted and were not resampled to preserve the integrity of the encapsulant paint. Areas of known PCB impacted flooring are included in Figures 9, 10, 14, and 18.

FOIA review of MDEQ files indicated a former hazardous waste storage pad was planned for closure in the late 1980's. This pad was covered under the facility's former permit as an interim status transportation, storage, and disposal facility. An MDEQ approved closure plan was included in the files; however, the associated certification closure specified in the approved plan was not on record.

2.3. Shipping/receiving docks and sidings

Seven truck docks and one former rail siding were identified at the site. The former rail siding area is located in the northwest portion of the Main facility under the 10-ton crane bay. This area is no longer a rail siding, but has been converted for use by trucks to drive into the facility where train cars once entered. Overhead doors, truck dock levelers and/or other associated gearboxes are included under oil filled machinery and are detailed in section 3.12. Floor samples collected in these areas are detailed in section 2.2.

2.4. Roofs, stacks, ducts, and vents

During the FEA, stained areas or areas with built-up debris were observed and recorded at several locations throughout the roofs at the facility. From these areas, twenty-eight samples of debris or roofing materials were collected and analyzed for PCBs, PAHs, RCRA 8 total metals and/or total

copper and total zinc. Analytical results indicated PCB concentrations ranging from non-detect to 43 mg/kg, with six samples exceeding 1 mg/kg in the following areas:

Main facility (center section)

- ROF-CMG-OR-015 – 2.8 mg/kg
- ROF-CMG-OR-023 – 43 mg/kg
- ROF-CMG-OR-026 – 14 mg/kg

Main facility (main section)

- ROF-MFG-OR-012 – 19 mg/kg
- ROF-MFG-OR-013 – 2.0 mg/kg
- ROF-MFG-OR-151 – 12 mg/kg

Analytical results also indicated RCRA 8 total metals concentrations exceeding the 20-times TCLP rule for total chromium in two samples and for total lead in one sample in the following areas:

Main facility (center section)

- ROF-CMG-OR-022 (Cr) – 155 mg/kg
- ROF-CMG-OR-018 (Cr) – 107 mg/kg

Main facility (main section)

- ROF-MFG-OR-006 (Pb) – 199 mg/kg

Total copper and total zinc concentrations were below the 20-times TCLP rule. Analytical results for PAHs were below the respective MDEQ residential drinking water protection criteria.

During the FEA, 338 vents, stacks, and ducts were also observed and recorded on the roof areas. Of these 338 items, one wipe sample and one bulk sample were collected and analyzed for PCBs and/or total metals. The wipe sample analytical results indicated a PCB concentration of 14 $\mu\text{g}/100\text{ cm}^2$, which exceeds the US EPA criteria for high occupancy areas, in the following area:

Main facility (center section)

- DUC-CMG-OR-030 – 14 $\mu\text{g}/100\text{ cm}^2$

The bulk sample analytical results indicated a PCB concentration of 13 mg/kg, which exceeds 1 mg/kg, in the following area:

Main facility (center section)

- DUC-CMG-OR-029 – 13 mg/kg

Total metals concentrations were below the 20-times TCLP rule. Many vents, stacks, and ducts detailed have associated filters that were also recorded and sampled. Filters are detailed in section 3.13.

Table 3 provides the sample locations and a summary of the analytical results for the roofs, stacks, ducts and vents identified. Appendix B includes the analytical laboratory reports.

FOIA Review of MDEQ files indicated that the facility currently operates under a Renewable Operating Permit with the Air Quality Division of MDEQ. The ROP describes emission standards specific to the facility and is scheduled to expire April 28, 2008. The permit will require amendment should the facility be closed or demolished.

2.5. Sewers and process lines

Sewers and underground utilities were not included in the scope of this FEA. However, it was noted during FOIA MDEQ file review that the plant conducted extensive sewer investigation and cleaning in 1995. Since this cleaning, two PCB release events have occurred. The 42-in storm sewer line located north of the LNAPL pump and treat shed was impacted by a PCB-containing oil spill in 1998. Also, a release of one pound of PCBs to the storm water system was reported in 2000. It is unclear whether the extent of these incidents has been investigated or remediated.

2.6. Sumps, pits and trenches

Sumps:

During the FEA, twenty-three sumps were observed and recorded. Sumps consisted of seventeen miscellaneous sumps, one sump inside a pit, and five sumps inside a trench. Of these twenty-three sumps, seven bulk samples were collected from residual debris or sludge and analyzed for PCBs and total metals. Analytical results indicated PCB concentrations ranging from non-detect to 140 mg/kg, with five samples exceeding 1 mg/kg in the following areas:

Main facility (main section)

- SMP-MFG-BS-186 – 140 mg/kg
- SMP-MFG-BS-200 – 3.0 mg/kg
- SMP-MFG-01-210 – 5.0 mg/kg

Main facility (center section)

- SMP-CMG-BS-213 – 6.0 mg/kg
- SMP-CMG-01-212 – 11 mg/kg

Results for total metals indicated concentrations exceeding the 20-times TCLP rule for total lead in two samples, for total chromium in one sample, for total copper in one sample, and for total mercury in one sample in the following areas:

Main facility (center section)

- SMP-CMG-01-212 (Cr) – 135 mg/kg (Pb) – 1350 mg/kg, (Hg) – 53.6 mg/kg (Cu) – 6020 mg/kg
- SMP-CMG-BS-213 (Pb) – 310 mg/kg

Pits:

During the FEA, forty-three pits were observed and recorded. Pits consisted of three compressor pits, two elevator pits, thirteen furnace pits, three press pits, one utility pit, and twenty-one miscellaneous pits. Of these forty-three pits, no samples were collected. During interviews with site personnel, historical spills of PCB-containing hydraulic fluids were indicated in the large furnace pits. Pits of interest at the facility were inaccessible for sampling due to safety concerns or ongoing operations as noted in Table 1. Areas of known PCB impacted pits are included in Figures 9 & 10. These areas will require further investigation and sampling during the O&C phase.

Trenches:

During the FEA, twenty-nine trenches were observed and recorded. Of these twenty-nine trenches, two samples were collected from residual debris or sludge and analyzed for PCBs and total metals. Analytical results for PCBs were below detection limits, while total metals concentrations were below the 20-times TCLP rule.

Table 3 identifies the locations and a summary of the analytical results for the sumps, pits and trenches. Appendix B includes the analytical laboratory reports.

2.7. Truss and beams

Significant build-up of debris on building structure was observed at several locations at the facility. Samples of the build-up were collected from thirteen locations, such as beams and trusses, and analyzed for PCBs, RCRA 8 total metals, and/or total copper and total zinc. Analytical results indicated PCB concentrations ranging from non-detect to 300 mg/kg, with seven samples exceeding 1 mg/kg in the following areas:

Main facility (center section)

- DUS-CMG-01-110 – 300 mg/kg
- DUS-CMG-01-113 – 45 mg/kg
- DUS-CMG-01-114 – 150 mg/kg

Main facility (main section)

- DUS-MFG-OR-025 – 14 mg/kg
- DUS-MFG-02-163 – 36 mg/kg
- DUS-MFG-04-162 – 1.8 mg/kg
- DUS-MFG-BS-166 – 6.0 mg/kg

Analytical results also indicated total RCRA 8 metals concentrations exceeding the 20-times TCLP rule for total lead in three samples in the following areas:

Main facility (main section)

- DUS-MFG-02-163 – 174 mg/kg
- DUS-MFG-04-010 – 336 mg/kg
- DUS-MFG-05-009 – 1450 mg/kg

Total copper and total zinc concentrations were below the 20-times TCLP rule. Table 3 identifies the location and a summary of the analytical results for the building structure identified. Appendix B includes the analytical laboratory reports.

FOIA Review of MDEQ files revealed 1986 correspondence from US EPA to the facility regarding PCBs in dust accumulated above the kiln structures posing a risk to health and safety. The plant responded with a planned cleaning of dust from these areas. Documentation of cleaning completion was not observed within site or FOIA files. Due to historical conditions and the current PCB concentrations in dust described above, these areas should be treated with caution during demolition.

2.8. Tunnels and plenums

Two tunnels are located at the site. The first tunnel is located east of the Main facility and connects the locker rooms and maintenance building to the Main facility. The second tunnel is located north of the Main facility and connects the Main facility to the former administrative building. Due to the former administrative building having been demolished, the northern entrance to the second tunnel is no longer usable, rendering much of the tunnel a confined space. Confined space areas within this second tunnel will require further investigation prior to demolition or abandonment in place. Samples collected from IOIs, such as stained floor areas or sumps within these tunnels, are detailed under the report sections for the respective IOIs.

2.9. Walls and siding

Staining and debris build-up on walls was observed throughout the survey. Based on the age of the facility, lead-based paint is assumed to exist within the facility buildings; therefore, paint should be considered lead based. Sixteen samples from materials such as paint chips, caulk materials and window glazing were collected and analyzed for PCBs. The sixteen samples consisted of twelve bulk samples and four wipe samples. The wipe sample analytical results for PCBs indicated concentrations below 10 µg/100 cm², ranging from non-detect to 1 µg/100 cm². The bulk sample analytical results indicated PCB concentrations ranging from non-detect to 120 mg/kg, with ten samples exceeding 1 mg/kg in the following areas:

Main facility (center section)

- WAL-CMG-01-124 – 50 mg/kg
- WAL-CMG-01-125 – 120 mg/kg
- WAL-CMG-01-136 – 20 mg/kg
- WAL-CMG-01-137 – 40 mg/kg

Main facility (admin east half)

- WAL-EAD-02-156 – 3.0 mg/kg

Main facility (admin west half)

- WAL-WAD-01-158 – 1.0 mg/kg
- WAL-WAD-02-157 – 14 mg/kg

Main facility (main section)

- WAL-MFG-01-161 – 4.0 mg/kg
- WAL-MFG-02-204 – 3.6 mg/kg
- WAL-MFG-02-155 – 7.0 mg/kg
- WAL-WAD-02-157 – 14 mg/kg

Table 3 identifies the location and a summary of the wall areas identified. Appendix B includes the analytical laboratory reports.

3.0. Area of interest – facility equipment

3.1. Aboveground storage tanks, process storage tanks, other storage tanks, and related containment areas

During the FEA, 137 tanks were observed and recorded. The tanks consisted of sixteen chemical tanks, four caustic tanks, nine cleaning solution tanks, three coolant tanks, four diesel fuel tanks, eight gasoline tanks, seven hoppers, one hydrochloric acid tank, one nitrogen tank, nine oil tanks, five sand tanks, thirty-three water tanks, one water and glycol tank, and thirty-six tanks containing miscellaneous materials. Of these 137 tanks, one sample of oily sludge was collected and analyzed for PCBs. The sample result indicated PCB concentrations below the detection limit.

During the FEA, several abandoned silos were also observed. Due to confined space requirements, these areas were not sampled and will need further inspection during the O&C phase. Table 1 includes the inaccessible silos.

During the FEA, twelve containment areas were observed and recorded, which included ten containment areas and two hazardous waste storage areas. Of these twelve containment areas, one sample of residual sludge was collected from and analyzed for PCBs. The sample result indicated PCB concentrations below the detection limit.

Several quench oil tanks were also observed within a containment area south of the Main facility. Due to ice and snow covering much of the area, this area was inaccessible to survey. This area, including any associated tanks, will require further inspection during the O&C phase and is summarized on Table 1.

Table 3 identifies the location, contents and approximate sizes of the tanks and associated containment areas. The tanks and containment areas should be properly cleaned and closed as required by government agencies.

3.2. Batteries and emergency lights

During the FEA, 237 batteries were observed and recorded. Batteries consisted of twenty-two automobile batteries, thirty battery banks, two computer backup batteries, 167 emergency light batteries, three fire alarm control panels, twelve fork truck batteries, and one telephone backup battery. Of these 237 batteries, no samples were collected. Table 3 identifies the location and quantities for battery powered devices.

Electrolube units and two-way radio batteries were also identified throughout the facility. These battery-containing items were not individually inventoried during the FEA; however, units remaining at the facility will need to be removed and properly disposed prior to demolition.

3.3. Capacitors

During the FEA, 1421 capacitors were observed and recorded. Identified capacitors consisted of 173 electrical control panel capacitors and 1248 substation capacitors. Of these 1421 capacitors, no samples were collected. Table 3 identifies the location and quantities of the capacitors identified.

Due to ongoing facility operations, capacitor rooms and selected control panels were energized and in service during the FEA. Capacitor rooms are known to have formerly housed PCB capacitors that may have historically leaked. Although capacitors in capacitor rooms are said to have been replaced with non-PCB capacitors, capacitors removed prior to demolition should be thoroughly inspected and sampled, if necessary, during the O&C phase. The capacitor room structure should also be investigated for possible PCB impact.

3.4. Cathode ray tubes

During the FEA, 158 cathode ray tube devices (CRTs) were observed and recorded. CRTs consisted of sixty-five computer monitors, sixty-seven control panel CRTs, and twenty-six televisions. Of these 158 CRTs, no samples were collected. Table 3 identifies the location and quantities of CRTs identified.

Due to ongoing operations, computer monitors in use were not included in the FEA survey. Functioning computers and monitors to be saved will need to be collected by the plant Information Technology staff or an appropriate service provider prior to demolition. As a result, only computer monitors on manufacturing equipment and obsolete units were included in the survey.

3.5. Chlorofluorocarbons

During the FEA, 188 chlorofluorocarbon (CFC) devices were observed and recorded. CFC devices consisted of six chillers, two cylinders, five dehumidifiers, forty-two drinking fountains, thirteen electrical control panel air conditioners, thirty-one freezers and coolers, thirty-nine HVAC units, four ice machines, thirteen refrigerated vending machines, two refrigerators, twelve water coolers, and nineteen wall or window mounted air conditioners. Of these 188 CFC devices, no samples were collected. Table 3 identifies the location and quantities of the CFC devices.

3.6. Compressed gas cylinders

During the FEA, 569 compressed gas cylinders were observed and recorded. These cylinders consisted of sixty-nine compressed acetylene cylinders, 203 compressed carbon peroxide cylinders, fourteen compressed nitrogen cylinders, 111 compressed oxygen cylinders, 159 fire system associated cylinders, and thirteen unknown compressed gas cylinders. Of these 569 cylinders, no samples were collected. Table 3 identifies the location and quantities for the compressed gas cylinders.

3.7. Containers

During the FEA, 282 containers were observed and recorded. Containers consisted of 127 drums, seventy-seven pails, seventy-one totes and seven miscellaneous containers of varying materials. Of

these 282 containers, no samples were collected. Table 3 identifies the locations and quantities of the containers.

The substances within these containers may require special handling and disposal as specified in the decommissioning specifications. Additionally, six 300-gallon and four 500-gallon totes marked as "Used Oil", which had a red ring near the top of the container, may contain PCB containing oils as indicated by the Plant Environmental Engineer. Two 300-gallon and three 500-gallon totes were located in the Main facility's main section and four 300-gallon totes were located in the Main facility's south section. Table 3 provides the locations if these used oil totes.

3.8. Boilers

No boilers were observed during the FEA.

3.9. Oil-filled machinery

During the FEA, 748 oil-filled pieces of machinery & equipment were observed and recorded. The oil-filled machinery category includes, but is not limited to, process and manufacturing equipment, hydraulic reservoirs, conveyor drives, overhead crane gearboxes, elevator equipment, and shop equipment. Of the 748 pieces of oil-filled machinery identified, sixty-three samples were collected from oil reservoirs, residual build-up, and/or equipment surfaces and analyzed for PCBs and/or total metals. The samples consisted of twenty-three wipe samples and forty bulk samples. The wipe sample analytical results indicated PCB concentrations ranging from non-detect to 90 $\mu\text{g}/100\text{ cm}^2$, with three samples exceeding the US EPA criteria for high occupancy areas, in the following areas:

Main facility (center section)

- OFM-CMG-01-071 – 90 $\mu\text{g}/100\text{ cm}^2$
- OFM-CMG-OR-150 – 25 $\mu\text{g}/100\text{ cm}^2$

Main facility (main section)

- OFM-MFG-04-175 – 10 $\mu\text{g}/100\text{ cm}^2$

The bulk sample analytical results indicated PCB concentrations ranging from non-detect to 22 mg/kg, with four samples exceeding 1 mg/kg in the following areas:

Main facility (center section)

- OFM-CMG-01-078 – 1.4 mg/kg
- CNV-CMG-01-128 – 22 mg/kg

Main facility (admin east half)

- OFM-EAD-OR-196 – 3.0 mg/kg

Main facility (main section)

- OFM-MFG-06-161 – 12 mg/kg

The bulk sample analytical results also indicated total metals concentrations exceeding the 20-times TCLP rule in one sample for total copper, in two samples for total lead and in three samples for total chromium in the following areas:

Main facility (main section)

- OFM-MFG-02-179 (Cu) – 4000 mg/kg
- OFM-MFG-06-161 (Pb) – 1450 mg/kg
- OFM-MFG-01-105 (Pb) – 403 mg/kg

Main facility (center section)

- OFM-CMG-01-079 (Cr) – 410 mg/kg
- OFM-CMG-01-080 (Cr) – 590 mg/kg
- OFM-CMG-01-076 (Cr) – 280 mg/kg

Table 3 identifies the types, locations, and quantities of oil-filled machinery. Appendix B includes the analytical laboratory reports.

Prior to the start of the FEA survey, SMI conducted sampling of oils at the facility. Although analytical results for PCBs were below detection limits, one sample of hydraulic fluid had an elevated detection limit of 30 mg/kg as noted below:

Main facility (main section)

- PMI #1 Line #1 Drag Hyd Pump – 30 mg/kg

Table 3 identifies the associated IOIs for these samples and Appendix B provides the analytical laboratory reports. These samples are also identified on Figures 10, 11 and 13.

Due to ongoing facility operations at the time of the FEA, the system of 7-ton ladle cranes used to transfer molten material to various locations was inaccessible. This system of cranes will require further inspection and sampling during the O&C phase as noted on Table 1.

3.10. Filters

During the FEA, 244 filters were observed and recorded. Filters consisted of four air dryers, thirty-seven air filters, one cutting fluid filter, one dust filter, 123 exhaust filters, five oil filters, five press filters, three sand filters, sixty-four scrubber filters, and one water filter. Of these 244 filters, four samples were collected and analyzed for PCBs and/or total metals. These samples consisted of two wipe samples and two bulk samples. The wipe sample analytical results ranged from 1.5 to 50 $\mu\text{g}/100\text{ cm}^2$, with one sample exceeding US EPA criteria for high occupancy areas, in the following area:

Main facility (main section)

- FTR-MFG-02-164 – 50 $\mu\text{g}/100\text{ cm}^2$

The bulk sample analytical results ranged from non-detect to 15.0 mg/kg, with one sample exceeding 1 mg/kg in the following area:

Main facility (center section)

- FTR-CMG-OR-032 – 15.0 mg/kg

The bulk sample analytical results also indicated total metals concentrations exceeding the 20-times TCLP rule for total zinc in one sample in the following area:



Main facility (Center Section)

- FTR-CMG-OR-031 – 25,100 mg/kg

Table 3 identifies the location and quantities of the filters surveyed. Appendix B includes the analytical laboratory reports. Filters both new and used may require special handling and disposal as outlined in the decommissioning specifications (Appendix C).

3.11. Fire extinguishers

Fire extinguishers were not recorded during the FEA. Fire extinguishers should be collected and properly disposed or recycled prior to demolition.

3.12. Fluid-filled lines

During the FEA, four fluid-filled lines were observed and recorded. Fluid-filled lines consisted of one diesel-filled line, one oil-filled line, one sulfur dioxide line and one abandoned hydraulic fluid line. Samples were not collected from these lines.

During the FEA, conversations with SMI personnel identified the abandoned hydraulic line as formerly containing PCB fluids. This line is reported to run subsurface in the 10-ton crane bay; however, O'Brien & Gere field staff were unable to positively identify the line in question. The emptying and handling of fluids from fluid-filled lines should be verified during the O&C phase during the corresponding utility shut off and cutting or capping of process lines as noted on Table 1.

3.13. Laboratories

During the FEA, four laboratory areas were observed and recorded. These laboratories were identified in the RWTF, the west administrative section of the Main facility, the sand reclaim section of the Main facility, and within the center section of the Main facility. Table 3 identifies the location of the laboratory areas. Chemicals remaining in these areas will require further inspection and classification during the O & C phase as noted in Table 1.

3.14. Lights

Various lights were observed at the plant. These lights included, but are not limited to:

- 2 ft, 1 bulb, 1 ballast fluorescent
- 2 ft, 2 bulb, 1 ballast fluorescent
- 4 ft, 1 bulb, 1 ballast fluorescent
- 4 ft, 2 bulb, 1 ballast fluorescent
- 4 ft, 4 bulb, 2 ballast fluorescent
- 8 ft, 2 bulb, 1 ballast fluorescent
- 1 bulb, 1 ballast Mercury Vapor HID

- 1 bulb, 1 ballast Sodium Vapor HID
- Exit lights

The above lighting included office areas, medical areas, building and perimeter lighting, line lighting, and lighting in electrical panels. Sodium vapor and fluorescent light bulbs may contain lead, mercury, and/or cadmium, and lighting ballasts may contain PCBs.

Due to ongoing facility operations at the time of the FEA survey, many electrical control cabinets were unable to be accessed. Electrical control cabinets will need to be inspected for IOIs during the O&C phase as noted in Table 1.

It is unknown if the ballasts at the facility contain PCBs. Prior to disposal/treatment of ballasts, the contents of the ballasts should be verified by checking the label of the ballast. If the ballast is not marked as "Non-PCB containing", then federal regulation indicates that the ballast will be handled as if it contains PCBs. The contractor is responsible for determining the quantity of the different types of lighting fixtures at the facility.

3.15. Mercury containing devices

During the FEA, 378 mercury containing devices were observed and recorded. Mercury containing devices consisted of two blood pressure devices, 197 gas pressure switches, eighteen gas regulators, six manometers, thirty-five mercury switches, forty-seven thermometers, seventy-two thermostats, and one unknown mercury containing device. Of these 378 mercury containing devices, no samples were collected. Table 3 identifies the approximate locations and quantities for mercury containing devices.

3.16. Paint booths and ovens

During the FEA, twenty-five ovens were observed and recorded. These ovens consisted of nineteen furnaces and six ovens. Of these twenty-five ovens, three bulk samples and thirteen wipe samples were collected and analyzed for PCBs. Analytical results of the bulk samples indicated PCB concentrations ranging from non-detect to 0.8 mg/kg. Analytical results of the wipe samples indicated PCB concentrations ranging from non-detect to 4,000 $\mu\text{g}/100\text{ cm}^2$, with two samples exceeding US EPA criteria for high occupancy areas, in the following areas:

Main facility (Center Section)

- OVN-CMG-01-111 – 12 $\mu\text{g}/100\text{ cm}^2$
- OVN-CMG-01-116 – 4,000 $\mu\text{g}/100\text{ cm}^2$

Table 3 identifies the location and a summary of the analytical results for the ovens. Appendix B includes the analytical laboratory reports.

3.17. Radioactive devices

During the FEA, six radioactive smoke detectors were observed and recorded. Table 3 identifies the locations of the radioactive devices.

3.18. Exit signs

During the FEA, ninety-six exit signs were observed and recorded. Self-illuminating exit signs were not observed; however, the exit signs identified may contain an auxiliary battery power source. Table 3 identifies the locations of exit signs.

3.19. Rodent control devices

During the FEA, rodent control devices were not inventoried. Remaining units not identified by the FEA must be properly disposed. GM has not determined if the service providers will remove rodent control devices.

3.20. Substations

During the FEA, ten substations were identified at the facility. Details related to the survey and sampling of substation equipment and structures is located in the sections of the respective IOIs and are included in Table 3.

SMI personnel identified several substations containing PCB impacted flooring. These substations were not resampled as part of the FEA and should be treated as previously designated by SMI. Additionally, certain substations at the facility were either in use or welded shut at the time of the FEA. These substations are noted in Table 3 and will require further inspection during the O&C phase. Known PCB impacted substation areas are included in Figures 14 and 18.

Two additional substations are also located at the site outside the Main facility. These substations are owned and operated by utility companies and were not included as part of the FEA.

3.21. Transformers

During the FEA, twenty-eight transformers were observed and recorded. Transformers consisted of thirteen dry transformers, four gas transformers, and eleven oil-filled transformers. Of these twenty-eight transformers, eight wipe samples were collected and analyzed for PCBs. Analytical results indicated PCB concentrations ranging from 0.4 to 80 $\mu\text{g}/100\text{ cm}^2$, with five samples exceeding the US EPA criteria for high occupancy areas, in the following areas:

Main facility (center section)

- TRA-CMG-0R-001 – 80 $\mu\text{g}/100\text{ cm}^2$
- TRA-CMG-0R-003 – 48 $\mu\text{g}/100\text{ cm}^2$

Main facility (main section)

- TRA-MFG-01-188 – 22 $\mu\text{g}/100\text{ cm}^2$
- TRA-MFG-01-189 – 20 $\mu\text{g}/100\text{ cm}^2$
- TRA-MFG-01-190 – 53 $\mu\text{g}/100\text{ cm}^2$

Table 3 identifies the location and a summary of the analytical results for the transformers. Appendix B includes the analytical laboratory reports.

During the assessment activities, transformer inventory and replacement program documents were obtained and reviewed. Liquid filled PCB transformers currently remain at the site; therefore, transformer fluids should be drained and verified as PCB or non-PCB prior to demolition. If the



liquids are found to contain PCBs, then the transformers must be removed and disposed in accordance with the decommissioning specifications (Appendix C).

3.22. Underground storage tanks

Underground storage tanks were not included in the scope of this FEA.

3.23. Other

Other miscellaneous IOIs surveyed consisted of aerosol cans, cleaning supplies, and galbestos pipe insulation. Of these twelve miscellaneous materials, one bulk sample was collected from galbestos pipe insulation and analyzed for PCBs. Analytical results indicated a PCB concentration of 10.0 mg/kg, which exceeds 1 mg/kg, in the following area:

Main facility (main section)

- MIS-MFG-03-160 – 10.0 mg/kg

Table 3 identifies the location and a summary of the analytical results for the miscellaneous items. Appendix B includes the analytical laboratory reports. These items may require special handling or disposal as specified in the decommissioning specifications.

Additionally, sand and sand dust within the facility is known to contain quartz silica. Although this is not an environmental IOI, it is considered a potential safety issue and should be handled accordingly during facility decommissioning and/or demolition.

4.0. Applicable government regulations

General applicability of codes and regulations, and standards

Except to the extent that more explicit or more stringent requirements are written directly into the contract documents, applicable codes, regulations, and standards have the same force and effect (and are made a part of the contract documents by reference) as if copied directly into the contract documents, or as if published copies are bound herewith.

Contractor responsibility

The contractor shall assume full responsibility and liability for the compliance with applicable federal, state, and local regulations pertaining to work practices, transportation, disposal, and protection of workers, visitors to the site, and persons occupying areas adjacent to the site. The contractor is responsible for providing medical examinations and maintaining medical records of personnel as required by the applicable federal, state, and local regulations. The contractor shall hold General Motors Corporation and O'Brien & Gere harmless for failure to comply with applicable work, transportation, disposal, safety, health, or other regulation on the part of himself, his employees, or his subcontractors.

Work performed under this contract shall comply with applicable provisions, including the most current versions, and not limited to the listed codes and regulations.

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TABLES

Table – 1 Observation and certification items

Table 2 – Asbestos containing materials

Table 3 – Environmental items of interest

Table 4 – Items of interest summary

Table 5 – Regulatory and guidance limits

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TABLE 1 - OBSERVATION AND CERTIFICATION ITEMS

Item	Location	Reason Not Covered in FEA	O&C Requirement	Report Section Reference
Galbestos Panels	Main Facility	PCBs were not sampled for by EKS	Sample panels to verify presence/absence of PCBs	1.2.2
Pits	Main Facility	Confined Space, In Use	Sample pits, clean/dispose of material as defined in GM Decommissioning Specs	2.6
Substations	Main Facility	Welded shut or in use	Inspect areas, sample if necessary, remove IOIs	3.23
Capacitor Rooms	Main Facility	In use	Inspect areas, sample if necessary, remove IOIs	3.3
Fluid Filled Lines	Throughout Site	In use	Inspect piping, sample as needed, clean/dispose of material as defined in GM Decommissioning Specs	3.15
Laboratory Chemicals	Throughout Site	Noted, not fully inventoried	Inspect remaining chemicals, dispose/recycle as defined in GM Decommissioning Specs	3.16
Mobile Equipment	Throughout Site	Unknown final locations for units	Inspect all units remaining at site at time of demolition, remove IOIs	All
Overhead Door Gearboxes	Throughout Site	In Use	Inspect, sample as needed	3.12
Electrical Panels	Throughout Site	In use, interconnected	Inspect all units, remove IOIs	All
Selected Orange Crush Zones	Main Facility	Paint covering/material stockpiles prevents inspection of floor material/condition	Inspect, sample as needed, clean/dispose of material as defined in GM Decommissioning Specs	2.2
Concrete Block Floors	Throughout Site	Areas constructed over/painted over, assumed all concrete block is PCB impacted	Inspect, sample as needed, clean/dispose of material as defined in GM Decommissioning Specs	2.2
Production Storage Areas	Main Facility	Stored materials prevented inspection of floors and structure under and behind stockpiles	Inspect, sample as needed, clean/dispose of material as defined in GM Decommissioning Specs	2.2
7-Ton Ladle Pot Cranes	Main Facility	In use	Inspect, sample as needed, clean/dispose of material as defined in GM Decommissioning Specs	3.12
Silos	Throughout Site	Abandoned, Confined Space	Inspect for remaining materials, sample as needed, clean/dispose of material as defined in GM Decommissioning Specs	3.1
Tunnel to Former Admin	North of Main Facility	Abandoned, Confined Space	Inspect area, sample if necessary, remove IOIs	2.8
Former Hydraulic Fluid Filled Line (known as containing PCB fluids)	Main Facility (10-ton crane bay area)	Abandoned, Reported to be partially subsurface, Unable to obtain positive identification of line	Identify line, sample any residual materials, clean/dispose of piping material as defined in GM Decommissioning Specs	3.15
Outside Containment Area for Quench Oil Tanks	South of Main Facility	Area contained in the site	Inspect containment and tanks, sample if necessary, clean/dispose of material as defined in GM Decommissioning Specs	3.1

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TABLE 2 - ASBESTOS CONTAINING MATERIAL TABLE

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Material Description	Quantity	Units	Location	Comments
All Size City Water Pipe Fitting on Non-Fiberglass Lines	28	EA	Main Facility	Per GM's Previous Surveys
All Size City Water Pipe Insulation	285	LF	Main Facility	Per GM's Previous Surveys
All Size City Water Pipe Fitting on Fiberglass Line	47	EA	Main Facility	Per GM's Previous Surveys
All Size Non-Potable Pipe Fittings on Non-Fiberglass Lines	36	EA	Main Facility	
All Size Non-Potable Pipe Fittings on Fiberglass Line	6	EA	Main Facility	
All Size Unidentified Pipe Fittings on Non-Fiberglass Lines	74	EA	Main Facility	Per GM's Previous Surveys
All Size Unidentified Pipe Fittings on Fiberglass Lines	640	EA	Main Facility	Per GM's Previous Surveys
All Size Unidentified Pipe Insulation	911	LF	Main Facility	Per GM's Previous Surveys
All Size Steam Pipe Fittings on Fiberglass Lines	3	EA	Main Facility	Per GM's Previous Surveys
12" x 12" Black and White Checkerboard Pattern Floor Tile (2 Types of Tile)	300	SF	Main Facility	Per GM's Previous Surveys
12" x 12" Black with White Streak Floor Tile with Green Floor Tile Underneath	550	SF	Main Facility	Located Only in 2nd Floor Offices of Pattern Shop - Treat Both Layers of Tile and Mastic Positive
12" x 12" Brown Busy Pattern Floor Tile with Mastic	100	SF	Main Facility	Tile and Mastic Positive
12" x 12" Cream with Grey Specks Floor Tile with Mastic	1,970	SF	Main Facility	Tile and Mastic Positive
12" x 12" Grey Busy Pattern Floor Tile with Mastic	140	SF	Main Facility	Tile and Mastic Positive
12" x 12" Grey with White Specks Floor Tile with Mastic	910	SF	Main Facility	Tile and Mastic Positive
12" x 12" Light Green and White Speckled Floor Tile with Mastic	200	SF	Main Facility	Tile Positive Only
9" x 9" Dark Brown with White Streaks Floor Tile with Mastic	1,700	SF	Main Facility	Tile Positive Only
9" x 9" Green Floor Tile with Mastic	915	SF	Main Facility	Tile and Mastic Positive
9" x 9" White with Black Streaks Floor Tile with Mastic	2,700	SF	Main Facility	Tile and Mastic Positive
Arc Chutes - Located in Panels Marked "480 Volts"	20	SF	Main Facility	GM and EKS Were Only Aware of These Panels in Substation J. More May be Found When Plant is De-energized - Assumed Positive Per GM
Black Isolation Joints	73	SF	Main Facility	Assumed Positive
Black Paper on Duct	450	SF	Main Facility	Assumed Positive - Inaccessible
Cloth on Bottom of Garage Door	25	LF	Main Facility	Assumed Positive - Inaccessible
Visible Cloth Wire Insulation	70	LF	Main Facility	This Quantity is Only the Visible Cloth Wire Insulation. EKS and GM Were Aware That There May be More in Unknown Areas. More May be Found when Plant is De-energized
Door Frame Caulk	1,985	LF	Main Facility	
Roof Duct Insulation	5,000	SF	Main Facility	Per GM's Previous Surveys
Exterior Building Caulk	325	LF	Main Facility	
Exterior Wall Penetration Caulk	30	LF	Main Facility	
Fire Doors	92	EA	Main Facility	Assumed Positive
Fire Door Frames	88	EA	Main Facility	Assumed Positive
Galbestos Panels	173,590	SF	Main Facility	Per GM's Previous Surveys

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TABLE 2 - ASBESTOS CONTAINING MATERIAL TABLE

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Material Description	Quantity	Units	Location	Comments
Gaskets	34	EA	Main Facility	Per GM's Previous Surveys
Glass Block-to-Brick Caulk	420	LF	Main Facility	
Green Laminate Floor Covering	180	SF	Main Facility	
Green Linoleum with Mastic	500	SF	Main Facility	Linoleum and Mastic Positive
Grey Roof Caulk	710	LF	Main Facility	
Grey Rock Pattern Linoleum Flooring	140	SF	Main Facility	
Heat Shields	600	SF	Main Facility	Per GM's Previous Surveys
Painted Windows	9,920	SF	Main Facility	Per GM's Previous Surveys
Pink Sink Undercoating	16	SF	Main Facility	Per GM's Previous Surveys
Siding Material on Roof	9,900	SF	Main Facility	Per GM's Previous Surveys
Tank Insulation	50	SF	Main Facility	Assumed Positive - Inaccessible
Vent Frame Caulk	60	LF	Main Facility	
White Cloth Insulation	6	LF	Main Facility	Assumed Positive - On Active Transformer
White Sink Undercoating	8	SF	Main Facility	
Window Caulk	340	LF	Main Facility	
Window Glazing	11,800	LF	Main Facility	
Yellow Carpet Glue	350	SF	Main Facility	
Yellow Rock Pattern Linoleum Flooring with Mastic	120	SF	Main Facility	Linoleum Positive Only
Roofing Material and Flashing	900,000	SF	Main Facility	Per GM's Previous Surveys
Asbestos Flooring in Kilns 3, 6 & 8	4,550	SF	Main Facility	Per GM Information Provided by Renee Mietz - Approximate Quantity
Asbestos Insulation in Kilns 9, 10, 11, 12, 13 & 14	37,000	SF	Main Facility	Per GM Information Provided by Renee Mietz - Approximate Quantity
Gaskets in Kilns 1, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14 & 17	2,724	EA	Main Facility	Per GM Information Provided by Renee Mietz - Approximate Quantity
Cloth Wire Insulation in Older Kilns 3, 7 & 8	Unknown		Main Facility	Per GM Information Provided by Tom Williams
Gaskets in Air Compressors on Roof	Unknown		Main Facility	Per GM Information Provided by Tom Williams
Light Fixtures with ACM Insulation on Roof	6	EA	Main Facility	Per GM Information Provided by Tom Williams
Paper Backing and/or Transite Backing and/or Asbestos Blocks in Breakers and Panels	1,050	EA	Main Facility	Per GM Information Provided by Tom Williams
All Size City Water Pipe Insulation	2,155	LF	Locker Rooms and Tunnels	City Water Pipe Insulation Located in Tunnels is Negative
All Size City Water Pipe Fitting on Non-Fiberglass Lines	228	EA	Locker Rooms and Tunnels	City Water Pipe Fittings and Hangers Located in Tunnels are Positive
Interior Window Glazing (Windows in Doors)	215	LF	Locker Rooms and Tunnels	
Interior Window Caulk	3,855	LF	Locker Rooms and Tunnels	
12" x 12" Black with Brown Floor Tile with Mastic	400	SF	Locker Rooms and Tunnels	Tile and Mastic Positive
Black Isolation Joints	10	LF	Locker Rooms and Tunnels	Assumed Positive
Fire Doors	6	EA	Locker Rooms and Tunnels	Assumed Positive
Fire Door Frames	5	EA	Locker Rooms and Tunnels	Assumed Positive

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TABLE 2 - ASBESTOS CONTAINING MATERIAL TABLE

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Material Description	Quantity	Units	Location	Comments
All Size Steam Pipe Fittings on Non-Fiberglass Lines	2	EA	Locker Rooms and Tunnels	Per GM's Previous Surveys
All Size Steam Pipe Insulation	270	LF	Locker Rooms and Tunnels	Per GM's Previous Surveys
All Size Unidentified Pipe Insulation	300	LF	Locker Rooms and Tunnels	Per GM's Previous Surveys
All Size Unidentified Pipe Fittings on Non-Fiberglass Lines	1	EA	Locker Rooms and Tunnels	Per GM's Previous Surveys
12" x 12" Grey Floor Tile with Mastic	50	SF	Locker Rooms and Tunnels	Tile and Mastic Positive
Exterior Building Caulk	205	LF	Locker Rooms and Tunnels	
Exterior Window Caulk	3,620	LF	Locker Rooms and Tunnels	
Exterior Door Frame Caulk	95	LF	Locker Rooms and Tunnels	
Fire Doors	2	EA	Butler Building 2 & 3	Assumed Positive
Fire Door Frames	2	EA	Butler Building 2 & 3	Assumed Positive
Fire Doors	12	EA	Recycled Water Treatment Facility	Assumed Positive
Fire Door Frames	12	EA	Recycled Water Treatment Facility	Assumed Positive
Lab Countertops	150	SF	Recycled Water Treatment Facility	Assumed Positive
Test Tube Holder	20	SF	Recycled Water Treatment Facility	Assumed Positive
Fire Doors	5	EA	Maintenance Building	Assumed Positive
Fire Door Frames	5	EA	Maintenance Building	Assumed Positive
Rock Pattern Floor Covering with Paper Backing	200	SF	Maintenance Building	Per GM's Previous Surveys
Roof Duct Insulation	4,500	SF	Maintenance Building	
12" x 12" Cream Floor Tile with Mastic	40	SF	Northeast Guard Shack	Tile and Mastic Positive
Tar Overhang and Roof	600	SF	Gas Building	
Interior Wall Caulk	110	LF	Gas Building	
Fire Door	2	EA	SMILE Center	Assumed Positive
Fire Door Frames	2	EA	SMILE Center	Assumed Positive
Fire Door	3	EA	Oil Storage	Assumed Positive
Fire Door Frames	3	EA	Oil Storage	Assumed Positive
Painted Windows	520	SF	Oil Storage	Per GM's Previous Surveys - Treated Same as Main Plant
Window Glazing	1,050	LF	Oil Storage	Treated Same as Main Plant - Inaccessible
Fire Door	5	EA	Switch House	Assumed Positive
Fire Door Frames	3	EA	Switch House	Assumed Positive

LF = Linear Feet, SF = Square Feet, CF = Cubic Feet, EA = Each

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TABLE 3 - LEGEND AND NOTES

UNIT ID CODE	DESCRIPTION
AST	Aboveground Storage Tank
BAT	Battery (includes associated chargers)
BTH	Wash Booth
CAP	Capacitor
CFC	Chlorofluorocarbon Device
CNT	Container (Drum, Tote, Pail)
CRT	Cathode Ray Tube Device (TV/Computer Monitor)
CTN	Containment Area
CYL	Cylinder
DUC	Ductwork (Vents, Stacks, Ducts)
DUS	Facility Dust, Build-up on Structure, Grime
FFL	Fluid Filled Line
FLR	Floor
FTR	Filter
GEN	Generator
LIT	Lighting
MCD	Mercury Containing Device
MED	Medical Waste/Medical Device
MIS	Miscellaneous Environmental IOI
OFM	Oil Filled Machinery
OVN	Oven/Furnace
PAD	Storage/Containment Pad
PIT	Pit
RAD	Radioactive Device
ROF	Roofing
RRT	Railroad Siding
SMP	Sump
TNK	Storage Tank
TRA	Transformer
TRN	Trench
VNT	Vent
WAL	Wall

BUILDING CODE	DESCRIPTION
BBB	Butler Building B
BBC	Butler Building C
CMG	Main Facility (Center Section)
EAD	Main Facility (Admin Area - East)
LNA	LNAPL Pump and Treat Shed
LRM	Locker Rooms
MFG	Main Facility (Main Section)
MNT	Maintenance Building
OIL	Oil Storage Shed
SMG	Main Facility (South Section)
SRB	Main Facility (Sand Reclaim Building)
WAD	Main Facility (Admin Area - West)
WTP	Recycled Water Treatment Facility
YAR	Yard
YEQ	Yard Equipment

NOTES:

1. Sample results reported in ug/kg for bulk and core samples and ug/100cm² for wipe samples
2. Sample results in bold represent concentrations above selected criteria
3. See Table 5 for criteria
4. Due to conflicting or missing column identifications based on site layouts provided to O'Brien & Gere, locations listed herein by column and/or bay are approximate
5. Reference Figure 2 for approximate separations within Main Facility for Center, South and Main area designations found on Table 3

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0001	AST	hopper	MFG	03	E	6.2	2	Each	J	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0002	AST	hopper	YAR	01	W	W	1	Each	Coke	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0003	AST	hopper	YAR	01	W	W	1	Each	#272853Clay unloaded transport system	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0004	AST	hopper	YAR	01	W	W	1	Each	#272909 Weyford fine sand 8' x 30'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0005	AST	compressed gas - argon	YAR	01	N	N	1	Each	Airco - 6' x 15'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0006	AST	quench oil	YAR	01	S	S	1	Each	10,000 gallon #1 Quench Oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0007	AST	quench oil	YAR	01	S	S	1	Each	10,000 gallon #2 Quench Oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0008	AST	used oil	YAR	01	S	S	1	Each	10,000 gallon used oil tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0009	BAT	exit sign	CMG	01	B	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	BAT	exit sign	CMG	01	H	24	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0011	BAT	emergency light	CMG	01	GH	27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0012	BAT	emergency light	CMG	01	GH	30	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0013	BAT	emergency light	CMG	01	GH	40	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0014	BAT	emergency light	CMG	01	GH	42	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0015	BAT	exit sign	CMG	01	GH	45	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0016	BAT	exit sign	CMG	01	S	38	5	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0017	BAT	emergency light	CMG	01	S	58	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0018	BAT	exit sign	CMG	01	R	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0019	BAT	emergency light	CMG	01	R	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0020	BAT	emergency light	CMG	01	E	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0021	BAT	exit sign	CMG	01	E	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0022	BAT	emergency light	CMG	01	Cd	69	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0023	BAT	automobile	CMG	01	T	64	1	Each	Fire Truck	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0024	BAT	exit sign	CMG	01	H	24	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0025	BAT	exit sign	CMG	01	GH	45	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0026	BAT	fork truck	CMG	01	C	20	12	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0027	BAT	battery bank	CMG	01	C	20	30	Each	Fork Truck charging area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0028	BAT	emergency light w/battery backup	CMG	02	C	24	1	Each	Office area old rest room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0029	BAT	emergency light	CMG	OB	A	1	10	Each	Tunnel plant to locker room and maintenance	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0030	BAT	emergency light	CMG	OR	R	40	2	Each	Sub J	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0031	BAT	exit sign	CMG	OR	R	40	2	Each	Sub J	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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0032	BAT	automobile	CMG	OR	R	40	2	Each	Sub J	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0033	BAT	emergency light	CMG	OR	Fg	27	2	Each	Sub G	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0034	BAT	exit sign	CMG	OR	Fg	27	2	Each	Sub G	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0035	BAT	exit sign	EAD	01	E	10	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0036	BAT	automobile	EAD	01	C	4	1	Each	Hydraulic lift manual	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0037	BAT	emergency light	EAD	01	A	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0038	BAT	exit sign	EAD	01	A	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0039	BAT	emergency light	EAD	01	C	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0040	BAT	emergency light	EAD	01	E	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0041	BAT	exit sign	EAD	01	E	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0042	BAT	emergency light	EAD	01	D	10	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0043	BAT	emergency light	EAD	01	C	14	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0044	BAT	exit sign	EAD	01	C	14	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0045	BAT	automobile	EAD	01	B	14	1	Each	Emergency Fire Pump	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0046	BAT	computer backup	EAD	01	B	14	2	Each	Fire system panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0047	BAT	exit sign	EAD	01	B	14	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0048	BAT	emergency light	EAD	01	B	14	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0049	BAT	emergency light	EAD	01	C	13	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0050	BAT	exit sign	EAD	02	D	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0051	BAT	emergency light	LNA	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0052	BAT	emergency light	LRM	01	A	1	1	Each	Security Booth	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0053	BAT	fire alarm control panel	LRM	01	A	1	1	Each	Security Office Storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0054	BAT	emergency light	LRM	01	A	0	1	Each	Turnstile entry area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0055	BAT	exit sign	LRM	01	A	5	1	1	Men's locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0056	BAT	emergency light	LRM	01	A	5	1	Each	Men's locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0057	BAT	emergency light	LRM	01	F	6	1	Each	Men's locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0058	BAT	exit sign	LRM	01	F	6	1	Each	Men's locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0059	BAT	exit sign	LRM	01	G	8	1	Each	Men's locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0060	BAT	emergency light	LRM	01	G	8	1	Each	Locker room hall	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0061	BAT	emergency light	LRM	01	E	9	1	Each	Salary Locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0062	BAT	exit sign	LRM	01	A	9	1	Each	Salary Locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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0063	BAT	emergency light	LRM	01	A	9	1	Each	Salary Locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0064	BAT	emergency light	LRM	1	G	10	1	Each	Women's locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0065	BAT	exit sign	MFG	01	A	1	1	Each	Throughout facility	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0066	BAT	exit sign	MFG	01	E	8	2	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0067	BAT	emergency light	MFG	01	E	8	2	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0068	BAT	emergency light	MFG	01	E	13	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0069	BAT	emergency light	MFG	01	F	16	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0070	BAT	emergency light	MFG	01	E	17	2	Each	Powerhouse Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0071	BAT	emergency light	MFG	01	E	18	5	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0072	BAT	emergency light	MFG	01	D	20	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0073	BAT	emergency light	MFG	01	C	21	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0074	BAT	emergency light	MFG	01	Jo	10.4	1	Each	Capacitor Room E - Transformer Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0075	BAT	emergency light	MFG	01	A	21	1	Each	62' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0076	BAT	emergency light	MFG	01	A	21	1	Each	45' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0077	BAT	emergency light	MFG	01	B	19	1	Each	35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0078	BAT	emergency light	MFG	01	B	21	1	Each	35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0079	BAT	emergency light	MFG	01	D	22	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0080	BAT	emergency light	MFG	01	Hb	0.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0081	BAT	emergency light	MFG	01	Fb	0.2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0082	BAT	emergency light	MFG	01	Fb	5.2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0083	BAT	emergency light	MFG	01	Fb	7.6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0084	BAT	emergency light	MFG	01	Ja	0.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0085	BAT	emergency light	MFG	01	Ja	2.0	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0086	BAT	emergency light	MFG	01	Ja	3.0	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0087	BAT	emergency light	MFG	01	Ja	15.8	2	Each	Furnace Cooling system Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0088	BAT	exit sign	MFG	01	Ja	15.8	1	Each	Cooling Tower Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0089	BAT	emergency light	MFG	01	Ja	15.8	3	Each	Cooling Tower Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0090	BAT	exit sign	MFG	01	Fb	14.4	1	Each	Emissions Building	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0091	BAT	emergency light	MFG	01	Fb	14.4	1	Each	Emissions Building	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0092	BAT	emergency light	MFG	01	Fb	14.4	1	Each	Emission Building	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0093	BAT	emergency light	MFG	01	Lb	14.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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0094	BAT	exit sign	MFG	01	Lb	14.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0095	BAT	emergency light	MFG	01	Jo	10.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0096	BAT	emergency light	MFG	01	Ka	7.6	1	Each	Capacitor Room D - Control Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0097	BAT	emergency light	MFG	01	Jo	7.6	1	Each	Generator Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0098	BAT	automobile	MFG	01	Jo	7.6	2	Each	Generator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0099	BAT	emergency light	MFG	01	Ka	3.0	1	Each	Capacitor Room C - Transformer Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0100	BAT	emergency light	MFG	01	Ka	0.5	1	Each	Capacitor Room B - Transformer Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0101	BAT	emergency light	MFG	01	Ka	0.3	1	Each	Capacitor Room A - Control Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0102	BAT	emergency light w/battery backup	MFG	01	Ja	10.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0103	BAT	emergency light w/battery backup	MFG	01	Ja	6.2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0104	BAT	fire alarm control panel	MFG	01	Ja	3.0	1	Each	CO2 System control panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0105	BAT	emergency light w/battery backup	MFG	01	Ja	3.0	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0106	BAT	emergency light w/battery backup	MFG	01	Ja	2.0	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0107	BAT	emergency light w/battery backup	MFG	01	Fb	11.7	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0108	BAT	exit sign	MFG	01	A	26	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0109	BAT	exit sign	MFG	01	Ba	10	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0110	BAT	emergency light	MFG	02	Jo	0.1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0111	BAT	emergency light	MFG	02	Jo	0.2	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0112	BAT	emergency light	MFG	02	B	22	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0113	BAT	automobile	MFG	02	Ja	10.4	1	Each	Mobile Gas Powered Equipment	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0114	BAT	emergency light	MFG	02	Ja	10.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0115	BAT	emergency light	MFG	02	Ja	6.2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0116	BAT	emergency light	MFG	02	Ja	7.6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0117	BAT	emergency light	MFG	02	Ja	4.5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0118	BAT	emergency light	MFG	02	Ja	8.9	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0119	BAT	emergency light	MFG	02	Ja	3.0	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0120	BAT	emergency light	MFG	02	Ja	0.5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0121	BAT	emergency light	MFG	02	Ja	0.4	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0122	BAT	automobile	MFG	02	E	14	4	Each	Sub E	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0123	BAT	emergency light	MFG	02	E	14	2	Each	Sub E	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0124	BAT	exit sign	MFG	02	E	14	1	Each	Sub E	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0125	BAT	emergency light	MFG	02	Dc	0.27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0126	BAT	emergency light	MFG	02	F	0.39	1	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0127	BAT	emergency light	MFG	02	E	41	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0128	BAT	emergency light	MFG	02	B	22	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0129	BAT	exit sign	MFG	03	A	34	2	Each	Substation "C"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0130	BAT	exit sign	MFG	03	A	34	2	Each	Substation "C"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0131	BAT	automobile	MFG	03	A	34	2	Each	Substation "C"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0132	BAT	emergency light	MFG	05	Ec	0.27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0133	BAT	emergency light	MFG	06	Ec	0.27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0134	BAT	emergency light	MFG	07	Ec	0.27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0135	BAT	emergency light	MFG	08	Cc	.09	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0136	BAT	emergency light	MFG	09	Cc	0.27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0137	BAT	exit sign	MFG	OB	Fb	5.2	1	Each	West end buss tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0138	BAT	emergency light	MFG	OB	Fb	5.2	1	Each	West end Buss Tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0139	BAT	emergency light	MFG	OB	Fb	7.6	1	Each	East end Buss Tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0140	BAT	exit sign	MFG	OB	Fb	7.6	1	Each	East end Buss Tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0141	BAT	exit sign	MFG	OB	AD	0.02	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0142	BAT	automobile	MFG	OR	Fg	27	2	Each	Sub G - Battery back up for switch gear	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0143	BAT	emergency light	MFG	OR	H	40	2	Each	Sub B	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0144	BAT	exit sign	MFG	OR	H	40	2	Each	Sub B	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0145	BAT	automobile	MFG	OR	H	40	2	Each	Sub B - Backup power supply	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0146	BAT	exit sign	MFG	OR	F	45	2	Each	Sub A/F	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0147	BAT	emergency light	MFG	OR	F	45	2	Each	Sub A/F	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0148	BAT	exit sign	MFG	OR	C	57	2	Each	Sub D	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0149	BAT	emergency light	MFG	OR	C	57	2	Each	Sub D	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0150	BAT	automobile	MFG	OR	C	57	2	Each	Sub D - battery back up	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0151	BAT	emergency light	MFG	OR	F	18	1	Each	powerhouse door	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0152	BAT	exit sign	MNT	01	E	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0153	BAT	emergency light	MNT	01	E	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0154	BAT	exit sign	MNT	01	E	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0155	BAT	exit sign	MNT	01	E	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0156	BAT	exit sign	MNT	01	B	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0157	BAT	emergency light	MNT	01	B	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0158	BAT	exit sign	MNT	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0159	BAT	emergency light	MNT	01	B	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0160	BAT	emergency light	MNT	01	B	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0161	BAT	exit sign	SMG	01	C1	52	1	Each	Combo w/ emergency light	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0162	BAT	emergency light w/battery backup	SMG	01	C1	52	1	Each	Combo w/ emergency light	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0163	BAT	telephone backup	SMG	01	C1	55	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0164	BAT	exit sign	SMG	01	C1	62	1	Each	Combo w/ emergency light	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0165	BAT	emergency light w/battery backup	SMG	01	C1	62	1	Each	Combo w/ emergency light	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0166	BAT	exit sign	SMG	OR	B	66	2	Each	Sub M	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0167	BAT	emergency light	SMG	OR	B	66	2	Each	Sub M	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0168	BAT	automobile	SMG	OR	B	66	2	Each	Sub M - Battery back up	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0169	BAT	emergency light	SRB	01	A	1	1	Each	@ 35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0170	BAT	emergency light	SRB	01	A	1	1	Each	@ 15' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0171	BAT	exit sign	SRB	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0172	BAT	emergency light	SRB	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0173	BAT	emergency light	WAD	01	A	1	1	Each	Main Lobby	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0174	BAT	exit sign	WAD	01	A	1	1	Each	Main Lobby	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0175	BAT	exit sign	WAD	01	A	1	4	Each	West end of Administration	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0176	BAT	exit sign	WAD	01	A	1	4	Each	Cafeteria eating area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0177	BAT	emergency light	WAD	01	A	1	4	Each	Cafeteria eating area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0178	BAT	emergency light	WAD	01	A	1	6	Each	Food Service Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0179	BAT	fire alarm control panel	WAD	01	A	1	1	Each	Food Service Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0180	BAT	emergency light	WAD	01	A	1	1	Each	Medical Department	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0181	BAT	emergency light	WAD	02	A	1	1	Each	West Stairway	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0182	BAT	exit sign	WAD	02	A	1	1	Each	West Stairway	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0183	BAT	exit sign	WAD	02	A	1	4	Each	Hall & Offices	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0184	BAT	emergency light	WAD	02	A	1	3	Each	Hall	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0185	BAT	emergency light	WAD	02	A	1	1	Each	EDS Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0186	BAT	emergency light	WAD	02	A	1	1	Each	Center Hallway	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0187	BAT	emergency light	WAD	02	A	1	1	Each	Distance Learning Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0188	BAT	emergency light	WTP	01	D	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0189	BAT	emergency light	WTP	01	D	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0190	BAT	exit sign	WTP	01	A	1	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0191	BAT	exit sign	WTP	01	C	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0192	BAT	exit sign	WTP	01	A	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0193	BAT	exit sign	WTP	01	B	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0194	BAT	emergency light	WTP	01	B	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0195	BAT	emergency light	WTP	01	B	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0196	BAT	exit sign	WTP	01	B	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0197	BAT	exit sign	WTP	01	A	1	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0198	BAT	emergency light	WTP	01	A	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0199	BAT	exit sign	WTP	01	A	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0200	BAT	exit sign	WTP	01	D	6	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0201	BAT	emergency light	WTP	01	C	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0202	BAT	emergency light	WTP	01	C	5	1	Each	On bench	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0203	BAT	exit sign	WTP	02	A	1	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0204	BAT	emergency light	WTP	02	D	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0205	BAT	exit sign	WTP	02	C	4	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0206	BAT	emergency light	WTP	02	B	4	1	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0207	BAT	emergency light	WTP	02	B	5	1	Each	In lab	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0208	BAT	exit sign	WTP	02	B	5	1	Each	In lab	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0209	BAT	emergency light	WTP	02	B	5	1	Each	Electrical Room #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0210	BAT	emergency light	WTP	02	C	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0211	BAT	exit sign	WTP	02	C	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0212	BAT	emergency light	WTP	02	E	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0213	BAT	emergency light	WTP	02	B	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0214	BAT	exit sign	WTP	02	A	1	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0215	BAT	emergency light	WTP	03	B	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0216	BAT	emergency light	WTP	03	E	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0217	BAT	emergency light	WTP	03	D	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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0218	BAT	exit sign	WTP	03	C	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0219	BAT	exit sign	WTP	03	D	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0220	BAT	emergency light	WTP	03	E	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0221	BAT	exit sign	YEQ	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0222	BAT	emergency light	YEQ	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0223	BAT	exit sign	YEQ	01	F	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0224	BAT	emergency light w/battery backup	YEQ	01	D	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0225	BTH	wash bay	EAD	01	B	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0226	BTH	wash bay	MNT	01	B	1	1	Each	Power Wash Booth	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0227	CAP	electrical control panel	CMG	01	Lm	54	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0228	CAP	electrical control panel	CMG	01	K	65	1	Each	Mezzanine - AB/C Vent Fan	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0229	CAP	electrical control panel	EAD	01	B	9	1	Each	#272594 B&S Surface Grinder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0230	CAP	electrical control panel	MFG	01	E	18	4	Each	Powerhouse	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0231	CAP	electrical control panel	MFG	01	C	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0232	CAP	electrical control panel	MFG	01	C	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0233	CAP	electrical control panel	MFG	01	A	29	1	Each	#272462	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0234	CAP	electrical control panel	MFG	01	D	22	2	Each	FATA Aluminum Sand System	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0235	CAP	electrical control panel	MFG	01	A	12.13	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0236	CAP	electrical control panel	MFG	01	Jo	10.4	27	Each	located in spare room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0237	CAP	electrical control panel	MFG	01	Jo	10.4	6	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0238	CAP	electrical control panel	MFG	01	Ka	7.6	2	Each	Capacitor Room D - Control Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0239	CAP	electrical control panel	MFG	01	Ka	7.6	18	Each	Capacitor Room D - Control Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0240	CAP	electrical control panel	MFG	01	Jo	3.5	2	Each	#273098 switch gear Capacitor Room C	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0241	CAP	electrical control panel	MFG	01	Ka	4.5	18	Each	Capacitor Room C - Control Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0242	CAP	electrical control panel	MFG	01	Ka	0.3	2	Each	Capacitor Room A - Control Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0243	CAP	electrical control panel	MFG	01	Ka	0.3	18	Each	Capacitor Room A - Control Room electrical panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0244	CAP	electrical control panel	MFG	01	Ka	0.3	13	Each	Capacitor Room A - Control Room in cabinet	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0245	CAP	substation	MFG	01	Ha	8.9	312	Each	Capacitor Room E	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0246	CAP	electrical control panel	MFG	01	B	30	27	Each	4 small, 23 large water cooled.	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0247	CAP	electrical control panel	MFG	01	B	28	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0248	CAP	electrical control panel	MFG	01	B	26	1	Each	#272545 Drag Machine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0249	CAP	substation	MFG	01	Ha	0.1	312	Each	Capacitor Room "A"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0250	CAP	substation	MFG	01	Ha	0.5	312	Each	Capacitor Room "B"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0251	CAP	substation	MFG	01	Ha	8.9	312	Each	Capacitor Room "E"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0252	CAP	electrical control panel	MFG	02	B	23	4	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0253	CAP	electrical control panel	MFG	02	B	29	1	Each	#272135	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0254	CAP	electrical control panel	MFG	02	B	29	1	Each	#272136	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0255	CAP	electrical control panel	MFG	02	C	27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0256	CAP	electrical control panel	MFG	03	Hb	7.6	1	Each	Preheat #5	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0257	CAP	electrical control panel	MFG	03	Hb	7.6	1	Each	Preheat #6	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0258	CAP	electrical control panel	MFG	03	Fb	6.2	2	Each	Furnace #3 hydraulic room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0259	CAP	electrical control panel	MFG	03	Fb	8.9	2	Each	Furnace #4 Hydraulic Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0260	CAP	electrical control panel	MFG	03	Hb	4.5	1	Each	Preheat #4	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0261	CAP	electrical control panel	MFG	03	Hb	4.5	1	Each	Preheat #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0262	CAP	electrical control panel	MFG	03	Fb	3.0	1	Each	Furnace #2 Hydraulic Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0263	CAP	electrical control panel	MFG	03	X	X	1	Each	Harmonic Filter - ABB	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0264	CAP	electrical control panel	MFG	04	D	0.27	4	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0265	CAP	electrical control panel	MFG	04	D	0.27	1	Each	Hydraulic Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0266	CAP	electrical control panel	MFG	OB	Fb	7.6	1	Each	East end buss tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0267	CAP	electrical control panel	MFG	OB	Fb	5.2	1	Each	West end buss tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0268	CAP	electrical control panel	SMG	01	B1	49	1	Each	Scrap panel #272503	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0269	CFC	HVAC unit	BBC	01	A	2	1	Each	Office A/C unit N11348	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0270	CFC	electrical control cabinet air conditioner	CMG	01	H	21	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0271	CFC	drinking fountain	CMG	01	R	52	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0272	CFC	electrical control cabinet air conditioner	CMG	01	S	32	1	Each	On mezzanine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0273	CFC	ice machine	CMG	01	S	38	1	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0274	CFC	freezer/cooler	CMG	01	S	38	1	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0275	CFC	refrigerated vending machine	CMG	01	S	38	3	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0276	CFC	water cooler	CMG	01	S	38	1	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0277	CFC	drinking fountain	CMG	01	R	43	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0278	CFC	window/wall air conditioner	CMG	01	S	43	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0279	CFC	HVAC unit	CMG	01	S	47	1	Each	Manufacturing Quality A/C	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0280	CFC	drinking fountain	CMG	01	K	54	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0281	CFC	drinking fountain	CMG	01	Lm	60	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0282	CFC	drinking fountain	CMG	01	R	53	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0283	CFC	HVAC unit	CMG	01	R	65	1	Each	York	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0284	CFC	water cooler	CMG	01	Q	65	1	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0285	CFC	window/wall air conditioner	CMG	01	Q	65	1	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0286	CFC	drinking fountain	CMG	01	P	68	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0287	CFC	electrical control cabinet air conditioner	CMG	01	H	67	1	Each	DGU unit in mezzanine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0288	CFC	drinking fountain	CMG	01	B	68	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0289	CFC	water cooler	CMG	01	K	65	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0290	CFC	electrical control cabinet air conditioner	CMG	01	R	65	1	Each	#272493 HIR vent system panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0291	CFC	freezer/cooler	CMG	01	S	38	1	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0292	CFC	drinking fountain	CMG	01	S	38	1	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0293	CFC	water cooler	CMG	01	C	24	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0294	CFC	window/wall air conditioner	CMG	01	C	17	1	Each	Supervisor office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0295	CFC	water cooler	CMG	01	C	16	1	Each	Supervisor. office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0296	CFC	window/wall air conditioner	CMG	01	C	14	1	Each	Supervisor. Office.	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0297	CFC	water cooler	CMG	02	C	24	1	Each	Old rest room area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0298	CFC	freezer/cooler	CMG	02	Q	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0299	CFC	drinking fountain	CMG	02	Q	67	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0300	CFC	window/wall air conditioner	CMG	02	Q	67	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0301	CFC	HVAC unit	CMG	OR	N	24	1	Each	Trane HVAC unit - R-22, 5.8# each unit (2)	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0302	CFC	HVAC unit	CMG	OR	T	42	2	Each	Trane HVAC, R-22 Refrig	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0303	CFC	HVAC unit	EAD	01	B	4	1	Each	Air conditioner	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0304	CFC	HVAC unit	EAD	01	B	2	1	Each	ERG/IH Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0305	CFC	Refrigerator	EAD	01	B	2	1	Each	ERG/IH Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0306	CFC	drinking fountain	EAD	01	C	8	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0307	CFC	electrical control cabinet air conditioner	EAD	01	D	7	1	Each	Okuma Lathe	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0308	CFC	electrical control cabinet air conditioner	EAD	01	C	5	1	Each	#272567 Sharnoa Miller	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0309	CFC	HVAC unit	EAD	01	D	1	1	Each	#272552 Miller Picking	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0310	CFC	window/wall air conditioner	EAD	01	D	1	1	Each	#272554 Liebert	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST
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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0311	CFC	drinking fountain	EAD	01	E	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0312	CFC	window/wall air conditioner	EAD	01	E	5	1	Each	Office on Mezzanine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0313	CFC	window/wall air conditioner	EAD	01	E	4	3	Each	Offices on Mezzanine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0314	CFC	HVAC unit	EAD	01	A	10	1	Each	Trane - Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0315	CFC	drinking fountain	EAD	01	C	13	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0316	CFC	HVAC unit	EAD	02	D	14	1	Each	?D Outside Receiving Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0317	CFC	dehumidifier	EAD	02	B	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0318	CFC	drinking fountain	EAD	02	B	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0319	CFC	electrical control cabinet air conditioner	EAD	02	B	8	1	Each	DGU	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0320	CFC	HVAC unit	LRM	01	A	1	1	Each	Security Office Storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0321	CFC	chiller	LRM	01	A	1	1	Each	Portable "Ice wagon"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0322	CFC	refrigerated vending machine	LRM	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0323	CFC	water cooler	LRM	01	A	1	1	Each	Security Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0324	CFC	water cooler	LRM	01	A	5	1	Each	Men's Locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0325	CFC	refrigerator	LRM	01	G	8	1	Each	Security break area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0326	CFC	water cooler	LRM	01	E	9	1	Each	Salary Locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0327	CFC	HVAC unit	LRM	OR	X	X	1	Each	MAU # 4	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0328	CFC	HVAC unit	LRM	OR	X	X	1	Each	MAU # 3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0329	CFC	HVAC unit	LRM	OR	X	X	1	Each	MAU # 2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0330	CFC	HVAC unit	LRM	OR	E	26	1	Each	MAU # 1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0331	CFC	ice machine	MFG	01	E	8	1	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0332	CFC	freezer/cooler	MFG	01	E	8	1	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0333	CFC	refrigerated vending machine	MFG	01	E	8	3	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0334	CFC	drinking fountain	MFG	01	E	8	2	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0335	CFC	chiller	MFG	01	E	18	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0336	CFC	drinking fountain	MFG	01	B	21	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0337	CFC	window/wall air conditioner	MFG	01	E	17	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0338	CFC	HVAC unit	MFG	01	E	14	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0339	CFC	chiller	MFG	01	B	21	1	Each	45' level - Trane	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0340	CFC	electrical control cabinet air conditioner	MFG	01	D	22	1	Each	FATA Aluminum Sand System	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0341	CFC	HVAC unit	MFG	01	E	30	1	Each	York HVAC Office Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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0342	CFC	window/wall air conditioner	MFG	01	A	12.13	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0343	CFC	drinking fountain	MFG	01	G	0.06	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0344	CFC	drinking fountain	MFG	01	G	13.1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0345	CFC	drinking fountain	MFG	01	Aa	7.6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0346	CFC	drinking fountain	MFG	01	Aa	14.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0347	CFC	drinking fountain	MFG	01	B	21	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0348	CFC	window/wall air conditioner	MFG	02	Jo	0.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0349	CFC	dehumidifier	MFG	02	B	23	1	Each	VAC Air Dryer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0350	CFC	window/wall air conditioner	MFG	02	Ja	10.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0351	CFC	water cooler	MFG	02	Ja	8.9	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0352	CFC	freezer/cooler	MFG	02	Ja	8.9	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0353	CFC	refrigerated vending machine	MFG	02	Ja	8.9	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0354	CFC	HVAC unit	MFG	02	Ja	0.4	1	Each	York	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0355	CFC	drinking fountain	MFG	02	Ja	0.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0356	CFC	HVAC unit	MFG	02	Ao	7.6	1	Each	Control Room A/C - Out of Service	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0357	CFC	drinking fountain	MFG	02	Cc	0.27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0358	CFC	drinking fountain	MFG	02	J	0.39	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0359	CFC	drinking fountain	MFG	02	G	0.27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0360	CFC	HVAC unit	MFG	02	G	0.27	1	Each	PLC Control Room Line #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0361	CFC	drinking fountain	MFG	02	E	41	1	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0362	CFC	HVAC unit	MFG	02	E	41	1	Each	York - office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0363	CFC	drinking fountain	MFG	02	Ea	0.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0364	CFC	HVAC unit	MFG	02	B	2	1	Each	Trane - Apparatus Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0365	CFC	electrical control cabinet air conditioner	MFG	03	Fb	2.0	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0366	CFC	drinking fountain	MFG	03	Cc	0.27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0367	CFC	window/wall air conditioner	MFG	04	A	1	1	Each	10 ton crane bay located in overhead cranes	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0368	CFC	cylinders	MFG	OB	AD	0.29	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0369	CFC	HVAC unit	MFG	OR	Fb	14.4	1	Each	Condenser for emissions building	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0370	CFC	HVAC unit	MFG	OR	B	8	1	Each	#272960 Dunham Bush unit /4 @ 35# CFC	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0371	CFC	chiller	MFG	OR	E	17	1	Each	Cooling Tower located over the powerhouse - 36' x 24'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0372	CFC	HVAC unit	MFG	OR	X	X	1	Each	Coleman - HVAC unit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0373	CFC	HVAC unit	MNT	01	E	1	1	Each	York - Planned maintenance Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0374	CFC	window/wall air conditioner	MNT	01	E	4	1	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0375	CFC	drinking fountain	MNT	01	A	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0376	CFC	water cooler	MNT	01	A	2	1	Each	Break Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0377	CFC	refrigerated vending machine	MNT	01	A	2	1	Each	Break Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0378	CFC	drinking fountain	MNT	01	B	2	1	Each	Mezzanine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0379	CFC	electrical control cabinet air conditioner	MNT	01	E	4	1	Each	DUG in Mezzanine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0380	CFC	HVAC unit	MNT	OR	C	3	1	Each	Trane HVAC unit, 25# R-22	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0381	CFC	drinking fountain	SRB	01	A	1	1	Each	@ 15' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0382	CFC	electrical control cabinet air conditioner	SRB	01	A	1	1	Each	Fines Disposal Bin @ 24 level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0383	CFC	electrical control cabinet air conditioner	SRB	01	A	1	1	Each	DGU @ 24' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0384	CFC	chiller	SRB	01	A	1	1	Each	#272393 Trane secondary cooler chiller	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0385	CFC	drinking fountain	WAD	01	A	1	2	Each	West end of Administration	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0386	CFC	drinking fountain	WAD	01	A	1	2	Each	Cafeteria eating area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0387	CFC	ice machine	WAD	01	A	1	1	Each	Cafeteria eating area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0388	CFC	freezer/cooler	WAD	01	A	1	1	Each	Cafeteria eating area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0389	CFC	refrigerated vending machine	WAD	01	A	1	3	Each	Cafeteria eating area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0390	CFC	water cooler	WAD	01	A	1	1	Each	Cafeteria eating area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0391	CFC	freezer/cooler	WAD	01	A	1	1	Each	Communications Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0392	CFC	freezer/cooler	WAD	01	A	1	19	Each	Food Service Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0393	CFC	ice machine	WAD	01	A	1	1	Each	Food Service Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0394	CFC	freezer/cooler	WAD	01	A	1	2	Each	Medical Department Refrigerators	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0395	CFC	drinking fountain	WAD	01	A	1	1	Each	Medical Department	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0396	CFC	drinking fountain	WAD	02	A	1	2	Each	Hall	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0397	CFC	dehumidifier	WAD	02	A	1	2	Each	EDS Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0398	CFC	HVAC unit	WAD	02	A	1	1	Each	#272806 York	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0399	CFC	freezer/cooler	WAD	02	A	1	1	Each	Met Lab	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0400	CFC	dehumidifier	WAD	02	A	1	1	Each	Met lab	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0401	CFC	HVAC unit	WAD	02	A	1	1	Each	Liebert Unit - Met Lab	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0402	CFC	electrical control cabinet air conditioner	WAD	02	A	1	1	Each	Met Lab	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0403	CFC	HVAC unit	WAD	02	A	1	1	Each	Record Room for EDS - York Unit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0404	CFC	HVAC unit	WAD	02	A	1	2	Each	McQuay HVAC Units - Approx. 35# in each	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0405	CFC	HVAC unit	WAD	OR	X	X	1	Each	McQuay HVAC unit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0406	CFC	drinking fountain	WTP	01	B	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0407	CFC	drinking fountain	WTP	02	C	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0408	CFC	freezer/cooler	WTP	02	B	5	1	Each	In Lab	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0409	CFC	freezer/cooler	WTP	02	D	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0410	CFC	drinking fountain	WTP	03	B	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0411	CFC	HVAC unit	YAR	01	N	N	1	Each	Trane Sand Reclaim Building (R-22)	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0412	CFC	chiller	YAR	01	N	N	1	Each	Furnace Cooling Tower	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0413	CFC	window/wall air conditioner	YAR	01	E	E	1	Each	Hazardous Waste Building	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0414	CFC	window/wall air conditioner	YAR	01	X	X	2	Each	SMILE Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0415	CFC	HVAC unit	YAR	01	X	X	4	Each	SMILE Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0416	CFC	drinking fountain	YEQ	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0417	CNT	Bag	BBC	01	A	1	1	Each	Set 450 concrete prep	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0418	CNT	pail	BBC	01	A	1	1	Each	5 Gal Pro Form Joint Compound	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0419	CNT	can	BBC	01	A	1	1	Each	Nova Weld PVC cement	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0420	CNT	pail	CMG	01	L	1	1	Each	5-gallon pail - oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0421	CNT	drum	CMG	01	L	22	2	Each	20-gallon drums KE OX14	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0422	CNT	tote	CMG	01	L	23	1	Each	600 gallon Hydrogen Peroxide	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0423	CNT	pail	CMG	01	E	45	1	Each	5 gal pail of liquids	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0424	CNT	drum	CMG	01	FG	45	4	Each	Filters	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0425	CNT	drum	CMG	01	FG	45	5	Each	55 gallon drums - oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0426	CNT	tote	CMG	01	R	12	1	Each	300 gal oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0427	CNT	tote	CMG	01	S	36	1	Each	500 gallon used oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0428	CNT	drum	CMG	01	S	36	1	Each	Oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0429	CNT	tote	CMG	01	K	61	1	Each	300 gallon oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0430	CNT	tote	CMG	01	S	65	1	Each	350 gallon purco clean up 2280	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0431	CNT	drum	CMG	01	R	68	3	Each	55 gallon drums OCI chain oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0432	CNT	drum	CMG	01	K	69	1	Each	30 gal grease in mezzanine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0433	CNT	tote	CMG	01	P	23	1	Each	Hydrogen peroxide 35%	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0434	CNT	pail	CMG	01	M	20	1	Each	3 gal unknown	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0435	CNT	drum	CMG	01	GH	45	2	Each	Texaco Starplex grease	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0436	CNT	tote	CMG	01	A	38	1	Each	Microcut 568 ND (Soluble Oil)	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0437	CNT	drum	EAD	01	E	10	1	Each	55 Gal Mobil Vactra #2, Way oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0438	CNT	drum	EAD	01	E	10	1	Each	55 Gal MTC 53, Machine tool cleaning	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0439	CNT	drum	EAD	01	E	10	1	Each	55 Gal Texaco Hydra Way 32, B&S Surface Grinder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0440	CNT	drum	EAD	01	E	10	1	Each	55 Gal Texaco Rando HD 150, Hydraulic systems	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0441	CNT	drum	EAD	01	E	10	1	Each	Ho Cut 795, Grinder coolant	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0442	CNT	drum	EAD	01	E	10	1	Each	Mobilmet Upsilon, Walter Grinder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0443	CNT	drum	EAD	01	E	10	1	Each	Mobil Vacuoline 140S ?D, Fosdick Drill Press	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0444	CNT	pail	EAD	02	C	13	10	Each	Cardboard container Powerhouse Env Safe Super concentrate, Allied Ind	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0445	CNT	pail	EAD	02	C	13	2	Each	5 Gal Powerhouse Env Safe Super concentrate, Allied Ind	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0446	CNT	pail	EAD	02	C	13	1	Each	Scotch Weld 2716 Epoxy A	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0447	CNT	pail	EAD	02	C	13	1	Each	Scotch Weld 2716 Epoxy B	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0448	CNT	drum	EAD	02	C	13	1	Each	?D cardboard Powerhouse Env Safe Super concentrate, Allied Ind	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0449	CNT	tote	LNA	01	A	1	1	Each	300 gallon totes	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0450	CNT	drum	LNA	01	A	1	1	Each	55-gallon drums	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0451	CNT	pail	LRM	OR	X	X	1	Each	5-gal pail of unknown	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0452	CNT	drum	MFG	01	B	25	1	Each	55 gal drum unknown contents	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0453	CNT	tote	MFG	01	Ja	0.4	1	Each	500 gallon used oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0454	CNT	tote	MFG	01	Ja	0.4	1	Each	500 gallon used oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0455	CNT	drum	MFG	01	Ja	15.8	1	Each	Corrosive - Cooling Tower Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0456	CNT	drum	MFG	01	Fb	14.4	1	Each	55 gallon used oil drum	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0457	CNT	drum	MFG	01	Mb	14.4	1	Each	30 gallon grease drum	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0458	CNT	drum	MFG	01	Lb	14.4	1	Each	55 gal drum synbfilm 68	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0459	CNT	tote	MFG	01	Lb	14.4	2	Each	1,000 gallon totes	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0460	CNT	drum	MFG	01	Lb	14.4	9	Each	55 gallon drums - empty	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0461	CNT	drum	MFG	01	C	0.35	1	Each	55-gallon used oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0462	CNT	tote	MFG	01	E	12A	1	Each	500 gallon tote used oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0463	CNT	tote	MFG	01	E	12A	4	Each	300 gallon oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0464	CNT	drum	MFG	01	E	12A	4	Each	55-gallon drums oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0465	CNT	drum	MFG	01	E	12A	1	Each	30 gallon drum oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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0466	CNT	pail	MFG	01	E	12A	1	Each	5 gallon oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0467	CNT	tote	MFG	01	F	0.29	1	Each	Oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0468	CNT	drum	MFG	01	E	13.1	1	Each	55 gallons oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0469	CNT	pail	MFG	01	E	13.1	2	Each	5-gallon pails	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0470	CNT	drum	MFG	01	E	13.1	1	Each	55 gallon Zip Slip	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0471	CNT	drum	MFG	01	E	13.1	1	Each	55 gallon cleaner	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0472	CNT	tote	MFG	01	B	19	4	Each	On 45' level - Signacure 2052	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0473	CNT	tote	MFG	01	Ja	6.2	1	Each	Used oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0474	CNT	tote	MFG	01	Lb	11.7	1	Each	Used Oil (for test)	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0475	CNT	tote	MFG	01	Ja	0.2	4	Each	300 gallon totes of used oils	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0476	CNT	drum	MFG	01	B	27	1	Each	Oil Zip Slip SLP FC4377	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0477	CNT	drum	MFG	02	No	5.2	1	Each	10 gal Texaco Simplex 2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0478	CNT	drum	MFG	02	Ja	10.4	1	Each	55 gallon drum floor cleaner	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0479	CNT	drum	MFG	02	Ja	10.4	1	Each	55 gallon drum	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0480	CNT	drum	MFG	02	Ja	0.5	2	Each	30 gallon drums of grease	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0481	CNT	drum	MFG	02	Aa	0.2	1	Each	30 gallon drum	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0482	CNT	drum	MFG	02	D	41	1	Each	55-gallon drum MTC53	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0483	CNT	pail	MFG	02	D	40	1	Each	5-gallon metal cleaner	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0484	CNT	drum	MFG	02	B	21	2	Each	Resin - 55 gallon	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0485	CNT	drum	MFG	03	Ho	0.1	6	Each	Chain oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0486	CNT	drum	MFG	03	Ja	8.6	2	Each	55-gallon drums - unknown	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0487	CNT	pail	MFG	05	D	41	1	Each	Mobil Dra #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0488	CNT	pail	MFG	09	Dc	0.09	1	Each	5 gallon grease	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0489	CNT	pail	MFG	09	Dc	0.09	2	Each	pan with grease	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0490	CNT	drum	MFG	OR	F	13	1	Each	East end of old conveyor system enclosure - 55-gallon-oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0491	CNT	drum	MFG	OR	F	13	1	Each	East end of old conveyor system enclosure - 30-gallon oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0492	CNT	pail	MFG	OR	F	13	1	Each	East end of old conveyor system enclosure	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0493	CNT	pail	MFG	OR	J	36	4	Each	5-gal pails roof flashing cement @ exhaust stack 74	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0494	CNT	drum	MNT	01	C	1	1	Each	55-gallon MTC-53 Cleaner	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0495	CNT	drum	OIL	01	A	2	2	Each	55 Gal Used oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0496	CNT	tote	OIL	01	A	2	1	Each	300 Gal Chevron Rykon AW-68	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0497	CNT	tote	OIL	01	A	1	1	Each	AW-22 Auto Lube	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0498	CNT	tote	OIL	01	A	1	2	Each	OCI 220 Mold Release	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0499	CNT	drum	OIL	01	A	1	2	Each	Graphite Tray Lube	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0500	CNT	drum	OIL	01	A	1	1	Each	30 Gal Grease No 3000	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0501	CNT	pail	OIL	01	A	1	5	Each	Mobil HD Plus 85W140	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0502	CNT	drum	OIL	01	A	1	4	Each	55 Mentor #307 Crack Filler	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0503	CNT	drum	OIL	01	B	1	1	Each	55 Texaco Rando HD68	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0504	CNT	drum	OIL	01	B	1	3	Each	55 Mobil Gear 629	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0505	CNT	drum	OIL	01	B	1	2	Each	55 Texaco Regal R&O 32	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0506	CNT	drum	OIL	01	B	1	1	Each	55 Chevron Hyd AW 22	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0507	CNT	drum	OIL	01	B	1	2	Each	55 Gal Texaco Rando HD150	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0508	CNT	drum	OIL	01	B	1	1	Each	55 Gal Mobil Upsilon	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0509	CNT	drum	OIL	01	B	1	1	Each	30 Gal Texaco Starplex #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0510	CNT	drum	OIL	01	B	1	3	Each	55 Gal Hydrucut 496	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0511	CNT	drum	OIL	01	B	1	2	Each	55 Gal OCI Chain oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0512	CNT	drum	OIL	01	C	1	1	Each	55 Gal Texaco Rando Oil HD46	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0513	CNT	drum	OIL	01	C	1	2	Each	55 Gal Texaco Transfer Oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0514	CNT	drum	OIL	01	C	1	1	Each	55 Gal FC 4277 Metal Cleaner	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0515	CNT	pail	OIL	01	C	1	1	Each	5 Gal MV963 Floor Finish Remover	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0516	CNT	pail	OIL	01	C	1	1	Each	Blue carboy unknown	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0517	CNT	can	OIL	01	C	1	4	Each	1 Gal Kano Kroil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0518	CNT	pail	OIL	01	C	1	1	Each	5 Gal Chevron A10	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0519	CNT	pail	OIL	01	C	1	1	Each	Salt	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0520	CNT	drum	OIL	01	C	1	2	Each	55 Gal Vactra Oil #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0521	CNT	drum	OIL	01	C	1	5	Each	55 Gal Mobil AW1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0522	CNT	drum	OIL	01	C	1	2	Each	55 Gal Hougho Safe 620	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0523	CNT	box	OIL	01	C	1	1	Each	Cardboard box Electro lubes	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0524	CNT	drum	OIL	01	B	1	9	Each	55 Gal NHNR waste	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0525	CNT	drum	OIL	01	B	1	6	Each	30 Gal ?D	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0526	CNT	drum	SMG	01	C	55	1	Each	Water	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0527	CNT	tote	SMG	01	C	59	1	Each	CIC 1149 neutralizer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0528	CNT	tote	SMG	01	C	59	4	Each	300 gal each - used oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0529	CNT	tote	SMG	01	C	59	9	Each	empty/dirty	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0530	CNT	tote	SMG	01	C	60	17	Each	Clawson tanks "Jumbo Drums, 500 gal each - empty	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0531	CNT	tote	SMG	01	C	60	3	Each	Empty 300 gallon totes	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0532	CNT	tote	SMG	01	C	61	2	Each	Jumbo drums - Clawson tanks - Resin	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0533	CNT	pail	SRB	01	A	1	26	Each	Original Calcino - empty @ 15' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0534	CNT	pail	WAD	02	A	1	4	Each	Corrosive materials in 5-gal pails	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0535	CNT	tote	WTP	01	C	3	1	Each	P802E Flocculent	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0536	CNT	tote	WTP	01	C	3	2	Each	P817E Flocculent	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0537	CNT	pail	WTP	01	A	5	6	Each	5 gallon pails of chemicals	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0538	CNT	drum	YEQ	01	A	1	2	Each	55-gal oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0539	CRT	television	BBC	01	A	1	1	Each	Television monitor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0540	CRT	control panel CRT	CMG	01	A	33	1	Each	Control panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0541	CRT	control panel CRT	CMG	01	B	27	1	Each	#272384 Shot Blast #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0542	CRT	control panel CRT	CMG	01	R	15	1	Each	#272033 quench office #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0543	CRT	control panel CRT	CMG	01	R	15	1	Each	#272032 Direct oil quench coolers	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0544	CRT	computer monitor	CMG	01	R	16	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0545	CRT	television	CMG	01	S	38	2	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0546	CRT	computer monitor	CMG	01	S	43	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0547	CRT	control panel CRT	CMG	01	Q	56	1	Each	Kiln #5	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0548	CRT	control panel CRT	CMG	01	S	58	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0549	CRT	control panel CRT	CMG	01	S	59	1	Each	Kiln #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0550	CRT	control panel CRT	CMG	01	R	68	1	Each	#272330 Station #2 Main Panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0551	CRT	control panel CRT	CMG	01	R	65	1	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0552	CRT	control panel CRT	CMG	01	R	64	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0553	CRT	computer monitor	CMG	01	Q	65	1	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0554	CRT	control panel CRT	CMG	01	P	67	1	Each	#272264 Power & Free	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0555	CRT	computer monitor	CMG	01	C	35	1	Each	Broach SPC Sta.	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0556	CRT	computer monitor	CMG	01	C	16	1	Each	Supv. Ofc.	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0557	CRT	computer monitor	CMG	02	C	24	1	Each	Office area old rest room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0558	CRT	control panel CRT	CMG	02	P	69	1	Each	Power and Free conveyor panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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0559	CRT	computer monitor	EAD	01	C	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0560	CRT	computer monitor	EAD	01	B	7	1	Each	#272569 Auto Milling Machine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0561	CRT	control panel CRT	EAD	01	B	7	1	Each	#272569 Auto Milling Machine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0562	CRT	control panel CRT	EAD	01	C	6	1	Each	#272568 CNC Mach operator station	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0563	CRT	computer monitor	EAD	01	D	14	1	Each	Receiving Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0564	CRT	computer monitor	EAD	01	D	13	1	Each	Receiving Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0565	CRT	computer monitor	EAD	01	B	2	2	Each	ERG/IH Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0566	CRT	television	EAD	01	B	2	1	Each	ERG/IH Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0567	CRT	control panel CRT	EAD	01	D	9	1	Each	#272603 Bridgeport	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0568	CRT	control panel CRT	EAD	01	B	9	1	Each	#272598 Walter Helitronic	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0569	CRT	control panel CRT	EAD	01	D	7	1	Each	Okuma Lathe	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0570	CRT	control panel CRT	EAD	01	D	7	1	Each	#272586 Giddings & Lewis	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0571	CRT	control panel CRT	EAD	01	D	6	1	Each	#272583 Bohner & Kohle	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0572	CRT	control panel CRT	EAD	01	C	5	1	Each	Sharno Miller	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0573	CRT	computer monitor	EAD	01	C	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0574	CRT	control panel CRT	EAD	01	C	5	1	Each	#272565 Bridgeport	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0575	CRT	computer monitor	EAD	01	A	9	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0576	CRT	computer monitor	EAD	01	D	13	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0577	CRT	control panel CRT	EAD	02	E	5	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0578	CRT	computer monitor	EAD	02	E	4	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0579	CRT	control panel CRT	EAD	02	D	8	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0580	CRT	television	LRM	01	A	1	3	Each	Security Booth	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0581	CRT	computer monitor	LRM	01	A	1	2	Each	Security Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0582	CRT	television	LRM	01	A	1	1	Each	Security visitor area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0583	CRT	computer monitor	LRM	01	A	1	1	Each	Storage Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0584	CRT	control panel CRT	LRM	01	A	1	1	Each	Oscilloscope in an instrument panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0585	CRT	television	MFG	01	E	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0586	CRT	television	MFG	01	A	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0587	CRT	television	MFG	01	A	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0588	CRT	television	MFG	01	E	8	2	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0589	CRT	computer monitor	MFG	01	E	17	2	Each	Powerhouse Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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0590	CRT	control panel CRT	MFG	01	E	18	1	Each	Joy Compressor #4	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0591	CRT	control panel CRT	MFG	01	A	29	1	Each	#272462 VAC caster	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0592	CRT	control panel CRT	MFG	01	B	25	2	Each	Cope Machine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0593	CRT	control panel CRT	MFG	01	D	22	3	Each	FATA Aluminum sand system electrical panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0594	CRT	control panel CRT	MFG	01	D	22	1	Each	FATA Aluminum Sand System	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0595	CRT	control panel CRT	MFG	01	Ja	15.8	1	Each	Furnace Cooling System Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0596	CRT	computer monitor	MFG	01	Fb	14.4	1	Each	Emissions Building	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0597	CRT	control panel CRT	MFG	01	A	12.13	1	Each	#272765 P & F Electrical Control	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0598	CRT	control panel CRT	MFG	01	C	3.1	1	Each	#272627 Panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0599	CRT	control panel CRT	MFG	01	Aa	8.9	1	Each	#272096 Elect Panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0600	CRT	computer monitor	MFG	01	Ea	18.0	5	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0601	CRT	control panel CRT	MFG	01	Jo	10.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0602	CRT	control panel CRT	MFG	01	Jo	7.6	1	Each	#273096 switch gear	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0603	CRT	control panel CRT	MFG	01	Ka	4.5	1	Each	Capacitor Room C - Control Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0604	CRT	control panel CRT	MFG	01	Jo	0.3	1	Each	#273101 Panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0605	CRT	control panel CRT	MFG	01	Ba	10	1	Each	#272660	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0606	CRT	control panel CRT	MFG	02	Jo	0.1	1	Each	Impact table #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0607	CRT	control panel CRT	MFG	02	Jo	0.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0608	CRT	computer monitor	MFG	02	Jo	0.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0609	CRT	control panel CRT	MFG	02	Ja	10.4	1	Each	Hydraulic Panel #4	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0610	CRT	television	MFG	02	Ja	8.9	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0611	CRT	control panel CRT	MFG	02	Ja	7.6	1	Each	Table #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0612	CRT	control panel CRT	MFG	02	Ja	7.6	1	Each	Furnace #3 Booth	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0613	CRT	control panel CRT	MFG	02	Ja	4.5	1	Each	Furnace Booth #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0614	CRT	control panel CRT	MFG	02	Ja	5.2	1	Each	Impact Table #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0615	CRT	control panel CRT	MFG	02	Ja	0.5	1	Each	Furnace Room #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0616	CRT	control panel CRT	MFG	02	Ja	0.4	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0617	CRT	computer monitor	MFG	02	Ja	0.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0618	CRT	control panel CRT	MFG	02	Aa	0.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0619	CRT	computer monitor	MFG	02	G	0.27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0620	CRT	control panel CRT	MFG	02	G	0.27	1	Each	PLC Control Room Line #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0621	CRT	computer monitor	MFG	02	G	0.27	1	Each	PLC Control Room Line #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0622	CRT	computer monitor	MFG	02	E	41	2	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0623	CRT	control panel CRT	MFG	02	E	41	2	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0624	CRT	control panel CRT	MFG	03	Hb	0.5	1	Each	Trim Deck	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0625	CRT	control panel CRT	MFG	03	Cc	0.27	2	Each	#272771 Line #1 North Muller	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0626	CRT	control panel CRT	MFG	03	Cc	0.27	1	Each	#272770 Line #1 South Muller	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0627	CRT	computer monitor	MNT	01	E	1	1	Each	Planned maint office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0628	CRT	computer monitor	MNT	01	E	4	2	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0629	CRT	computer monitor	MNT	01	A	4	6	Each	Mez Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0630	CRT	computer monitor	SRB	01	A	1	3	Each	@ 15' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0631	CRT	control panel CRT	SRB	01	A	1	1	Each	@ 15' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0632	CRT	television	WAD	01	A	1	2	Each	Cafeteria eating area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0633	CRT	television	WAD	01	A	1	1	Each	Communications Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0634	CRT	television	WAD	01	A	1	2	Each	Manufacturing Site Plan Action Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0635	CRT	computer monitor	WAD	01	A	1	1	Each	Food Service Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0636	CRT	television	WAD	01	A	1	1	Each	Plant Manager's Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0637	CRT	television	WAD	01	A	1	2	Each	Medical Department	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0638	CRT	computer monitor	WAD	02	A	1	6	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0639	CRT	television	WAD	02	A	1	1	Each	Distance Learning Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0640	CRT	computer monitor	WAD	02	A	1	3	Each	Metallography Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0641	CRT	television	WAD	02	A	1	1	Each	Metallurgy Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0642	CRT	computer monitor	WAD	02	A	1	5	Each	Metals Analyzer Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0643	CRT	television	WAD	1	A	1	1	Each	UAW Work Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0644	CRT	control panel CRT	WTP	01	C	3	1	Each	Polymer System control	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0645	CRT	computer monitor	WTP	02	B	4	2	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0646	CRT	television	WTP	02	D	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0647	CRT	control panel CRT	WTP	03	A	2	1	Each	BFP Control Panel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0648	CRT	control panel CRT	WTP	03	D	4	1	Each	On rack	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0649	CRT	computer monitor	YEQ	01	D	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0650	CTN	containment	CMG	01	P	23	1	Each	Fabricated steel for Hydrogen peroxide 35%	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0651	CTN	containment	MFG	01	Fb	14.4	1	Each	Sludge in Emissions Room Containment Area	CTN-MFG-01-087	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0652	CTN	containment	MFG	01	F	14.4	1	Each	63' x 20' Emissions Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0653	CTN	containment	MFG	01	Kb	14.4	1	Each	32' x 20' Emissions Room oil and water separator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0654	CTN	containment	MFG	01	Lb	14.4	1	Each	15' x 20' Emissions Room Holding Tanks for Buss Tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0655	CTN	containment	MFG	01	ED	9	1	Each	17' x 57' Slurry Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0656	CTN	containment	MFG	03	Fb	0.2	1	Each	Furnace #1 Hydraulic Sys	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0657	CTN	containment	YAR	01	N	N	1	Each	6' x 15' for Emissions Control emergency generator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0658	CTN	hazardous waste storage area	YAR	01	N	W	1	Each	Slag bin 40' x 52'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0659	CTN	hazardous waste storage area	YAR	01	N	W	1	Each	Sand bin	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0660	CTN	containment	YAR	01	E	E	1	Each	12' x 12' steel unit under poly 1000 gallon tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0661	CTN	containment	YAR	01	S	S	1	Each	30' x 40' containment for 3 ASTs	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0662	CYL	compressed gas - oxygen	CMG	01	A	38	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0663	CYL	compressed gas - acetylene	CMG	01	A	38	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0664	CYL	compressed gas - carbon peroxide	CMG	01	T	55	20	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0665	CYL	compressed gas - carbon peroxide	CMG	01	T	54	38	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0666	CYL	compressed gas - carbon peroxide	CMG	01	T	53	34	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0667	CYL	compressed gas - carbon peroxide	CMG	01	T	52	20	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0668	CYL	compressed gas - oxygen	CMG	01	S	58	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0669	CYL	compressed gas - acetylene	CMG	01	S	58	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0670	CYL	compressed gas - oxygen	CMG	01	S	57	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0671	CYL	compressed gas - acetylene	CMG	01	S	57	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0672	CYL	compressed gas - oxygen	CMG	01	S	56	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0673	CYL	compressed gas - acetylene	CMG	01	S	56	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0674	CYL	compressed gas - acetylene	CMG	01	B	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0675	CYL	compressed gas - oxygen	CMG	01	B	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0676	CYL	compressed gas - oxygen	CMG	01	Cd	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0677	CYL	compressed gas - acetylene	CMG	01	Cd	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0678	CYL	compressed gas - carbon peroxide	CMG	01	Cd	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0679	CYL	compressed gas - other	CMG	01	GH	45	1	Each	Carbon dioxide for welding	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0680	CYL	compressed gas - oxygen	CMG	01	GH	44	1	Each	Cutting torch cart	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0681	CYL	compressed gas - acetylene	CMG	02	Q	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0682	CYL	compressed gas - oxygen	CMG	02	Q	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0683	CYL	compressed gas - oxygen	CMG	OR	X	X	9	Each	Throughout roof area in power & Free enclosure	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0684	CYL	compressed gas - acetylene	CMG	OR	X	X	13	Each	Throughout power & free conveyor enclosure	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0685	CYL	compressed gas - other	CMG	OR	X	X	1	Each	Foam insulation materials	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0686	CYL	compressed gas - oxygen	EAD	01	E	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0687	CYL	compressed gas - acetylene	EAD	01	E	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0688	CYL	compressed gas - oxygen	EAD	02	E	4	15	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0689	CYL	fire extinguisher	LRM	01	A	1	24	Each	Storage CO2 for security	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0690	CYL	fire extinguisher	LRM	01	A	1	85	Each	Storage DC fire extinguishers for security	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0691	CYL	compressed gas - other	MFG	01	E	16	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0692	CYL	compressed gas - oxygen	MFG	01	E	16	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0693	CYL	compressed gas - acetylene	MFG	01	E	16	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0694	CYL	compressed gas - oxygen	MFG	01	D	8	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0695	CYL	compressed gas - acetylene	MFG	01	D	8	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0696	CYL	compressed gas - nitrogen	MFG	01	B	21	1	Each	35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0697	CYL	compressed gas - acetylene	MFG	01	B	19	1	Each	35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0698	CYL	compressed gas - other	MFG	01	B	60	1	Each	1' rd x 4'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0699	CYL	compressed gas - oxygen	MFG	01	E	27	6	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0700	CYL	compressed gas - acetylene	MFG	01	E	27	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0701	CYL	compressed gas - oxygen	MFG	01	A	8	8	Each	Located in the building know as the "Heal"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0702	CYL	compressed gas - acetylene	MFG	01	A	8	8	Each	Located in the building know as the "Heal"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0703	CYL	compressed gas - oxygen	MFG	01	Mb	14.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0704	CYL	compressed gas - acetylene	MFG	01	Mb	14.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0705	CYL	compressed gas - acetylene	MFG	01	AD	0.02	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0706	CYL	compressed gas - oxygen	MFG	01	AD	0.02	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0707	CYL	compressed gas - oxygen	MFG	01	C	0.35	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0708	CYL	compressed gas - acetylene	MFG	01	C	3.1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0709	CYL	compressed gas - oxygen	MFG	01	C	3.1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0710	CYL	compressed gas - acetylene	MFG	01	A	13.1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0711	CYL	compressed gas - oxygen	MFG	01	A	13.1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0712	CYL	compressed gas - acetylene	MFG	01	D	41	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0713	CYL	compressed gas - oxygen	MFG	01	D	41	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0714	CYL	fire extinguisher	MFG	01	Ja	10.4	1	Each	Ansul 150B	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0715	CYL	fire extinguisher	MFG	01	Ja	5.2	32	Each	CO2 System cylinder bank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0716	CYL	fire extinguisher	MFG	01	N	2	14	Each	CO2 Fire protection system	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0717	CYL	compressed gas - argon	MFG	02	Jo	0.1	1	Each	Portable welder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0718	CYL	compressed gas - oxygen	MFG	02	Ja	10.4	8	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0719	CYL	compressed gas - acetylene	MFG	02	Ja	10.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0720	CYL	compressed gas - acetylene	MFG	02	Cc	0.27	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0721	CYL	compressed gas - oxygen	MFG	02	Cc	0.27	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0722	CYL	compressed gas - oxygen	MFG	02	Dc	0.27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0723	CYL	compressed gas - acetylene	MFG	02	Dc	0.27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0724	CYL	compressed gas - acetylene	MFG	02	Ec	0.5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0725	CYL	compressed gas - oxygen	MFG	02	Ec	0.5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0726	CYL	compressed gas - oxygen	MFG	02	J	0.39	4	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0727	CYL	compressed gas - oxygen	MFG	02	Aa	0.5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0728	CYL	compressed gas - oxygen	MFG	02	Aa	0.2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0729	CYL	compressed gas - acetylene	MFG	02	Aa	0.2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0730	CYL	compressed gas - oxygen	MFG	03	Ho	0.1	1	Each	Portable cutting torch	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0731	CYL	compressed gas - acetylene	MFG	03	Ho	0.1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0732	CYL	compressed gas - acetylene	MFG	03	Ho	0.4	1	Each	Cutting torch	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0733	CYL	compressed gas - oxygen	MFG	03	Ho	0.4	1	Each	Cutting torch	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0734	CYL	compressed gas - oxygen	MFG	04	Ao	.23	1	Each	Portable cutting torch	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0735	CYL	compressed gas - acetylene	MFG	04	Ao	.23	1	Each	Portable cutting torch	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0736	CYL	compressed gas - oxygen	MFG	04	Cc	.27	1	Each	Portable burning torch	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0737	CYL	compressed gas - acetylene	MFG	08	Cc	.27	1	Each	Portable burning torch	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0738	CYL	compressed gas - oxygen	MFG	08	Dc	.23	1	Each	Cylinder spare or empty	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0739	CYL	compressed gas - acetylene	MFG	08	Dc	.23	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0740	CYL	compressed gas - carbon peroxide	MFG	OR	F	13	1	Each	East end of old conveyor system enclosure	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0741	CYL	compressed gas - other	MFG	OR	F	13	1	Each	East end of old conveyor system enclosure - Non flammable N.O.S.	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0742	CYL	compressed gas - acetylene	MFG	OR	F	13	1	Each	East end of old conveyor system enclosure	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0743	CYL	compressed gas - oxygen	MFG	OR	F	13	1	Each	East end of old conveyor system enclosure	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0744	CYL	compressed gas - nitrogen	MFG	OR	B	8	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 Saginaw Malleable Iron
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 FACILITY ENVIRONMENTAL ASSESSMENT
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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0745	CYL	compressed gas - carbon peroxide	MNT	01	E	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0746	CYL	compressed gas - acetylene	MNT	01	E	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0747	CYL	compressed gas - oxygen	MNT	01	E	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0748	CYL	compressed gas - oxygen	MNT	01	E	4	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0749	CYL	compressed gas - acetylene	MNT	01	E	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0750	CYL	compressed gas - oxygen	MNT	01	E	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0751	CYL	compressed gas - acetylene	MNT	01	E	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0752	CYL	compressed gas - carbon peroxide	MNT	01	D	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0753	CYL	compressed gas - carbon peroxide	MNT	01	C	5	1	Each	#272439 American Hercules Iron Shear	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0754	CYL	compressed gas - carbon peroxide	MNT	01	D	4	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0755	CYL	compressed gas - oxygen	MNT	01	C	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0756	CYL	compressed gas - acetylene	MNT	01	C	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0757	CYL	compressed gas - nitrogen	SRB	01	A	1	1	Each	@ 35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0758	CYL	compressed gas - oxygen	WAD	01	A	1	1	Each	Medical Department	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0759	CYL	compressed gas - oxygen	WAD	02	A	1	5	Each	Met Lab	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0760	CYL	compressed gas - acetylene	WAD	02	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0761	CYL	compressed gas - oxygen	WAD	02	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0762	CYL	compressed gas - acetylene	WTP	01	B	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0763	CYL	compressed gas - oxygen	WTP	01	B	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0764	CYL	compressed gas - other	WTP	01	B	6	3	Each	Deionization Cylinders	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0765	CYL	fire extinguisher	YAR	01	E	E	3	Each	1 Ton units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0766	CYL	compressed gas - carbon peroxide	YAR	01	E	E	84	Each	In shed	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0767	CYL	compressed gas - oxygen	YAR	01	E	E	16	Each	In shed	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0768	CYL	compressed gas - acetylene	YAR	01	E	E	8	Each	In shed	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0769	CYL	compressed gas - nitrogen	YAR	01	E	E	9	Each	In shed	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0770	CYL	compressed gas - other	YAR	01	E	E	1	Each	In shed	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0771	CYL	compressed gas - argon	YAR	01	E	E	1	Each	In shed	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0772	CYL	compressed gas - other	YAR	01	E	E	2	Each	ISO Fast Catalyst	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0773	CYL	compressed gas - nitrogen	YAR	01	E	E	1	Each	With ISO Fast Catalyst	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0774	CYL	compressed gas - oxygen	YEQ	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0775	CYL	compressed gas - acetylene	YEQ	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 Saginaw Malleable Iron
 Saginaw, Michigan
 FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0776	DUC	exhaust	CMG	01	T	65	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0777	DUC	exhaust	CMG	01	Q	12	1	Each	Duct #303	DUC-CMG-OR-029	b	PCB	13000	4650	33500	1170	45400	43700	68700	94	7080	460	3590000	-
0778	DUC	stack	CMG	01	N	53	1	Each	Stack #294	DUC-CMG-OR-030	w	PCB	14	-	-	-	-	-	-	-	-	-	-	-
0779	DUC	exhaust	MFG	01	H	13.1	1	Each	SO2 exhaust	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0780	DUC	exhaust	MFG	01	F	13.1	4	Each	Hood	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0781	DUC	exhaust	MFG	01	Jb	13.1	1	Each	ISOSET #6 core machine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0782	DUC	exhaust	MFG	01	Jb	13	1	Each	ISOSET #7 core machine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0783	DUS	beams	CMG	01	L	13	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0784	DUS	beams	CMG	01	Q	68	1	Each	Dust on stepdown auto feed system	DUS-CMG-02-106	b	PCB	<1000	1470	9600	<200	10500	19400	1200	<50	<200	<100	9700	-
0785	DUS	beams	CMG	01	B	61	1	Each	Kiln #14 - top near blow hatch	DUS-CMG-01-110	b	PCB	300000	-	-	-	-	-	-	-	-	-	-	-
0786	DUS	beams	CMG	01	B	55	1	Each	Kiln # 14 - dust on furnace at discharge end	DUS-CMG-01-113	b	PCB	15000	-	-	-	-	-	-	-	-	-	-	-
0787	DUS	truss	CMG	01	A	55	1	Each	Truss over top of Kiln # 15	DUS-CMG-01-114	b	PCB	150000	-	-	-	-	-	-	-	-	-	-	-
0788	DUS	truss	MFG	01	A	19	1	Each	62' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0789	DUS	beams	MFG	01	B	21	1	Each	35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0790	DUS	truss	MFG	01	B	16	1	Each	Core Room #3 Quench Air Make Up	DUS-MFG-OR-025	b	PCB	14000	2340	24900	3280	18100	18200	55000	<50	310	<100	482000	-
0791	DUS	truss	MFG	01	A	12.13	1	Each	Old power and free dust, in mezzanine	DUS-MFG-01-033	b	-	<1000	2980	22200	7360	19500	32100	16100	<50	1090	<100	529000	-
0792	DUS	beams	MFG	02	C	31	1	Each	#272133 Drum dust accumulation	DUS-MFG-02-163	b	Pb, PCB	36000	7310	86200	4460	53100	183000	174000	270	610	320	1020000	-
0793	DUS	truss	MFG	04	G	3.0	1	Each	-	DUS-MFG-04-010	b	Pb	<1000	5230	54000	8840	58600	-	336000	53	670	570	-	-
0794	DUS	beams	MFG	04	A	20	1	Each	Dust in Sand Line #4 on 35 foot level	DUS-MFG-04-162	b	PCB	1800	760	10600	440	2900	5800	15200	116	<500	<200	49800	-
0795	DUS	truss	MFG	05	HB	0.5	1	Each	-	DUS-MFG-05-009	b	Pb	<1000	10000	50200	17700	30700	-	1450000	<50	<500	2960	-	-
0796	DUS	beams	MFG	05	F	40	1	Each	-	DUS-MFG-05-171	b	-	<1000	1600	35200	330	1800	7500	9600	<50	520	<200	49300	-
0797	DUS	beams	MFG	07	E	7.6	1	Each	Sand Line #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0798	DUS	beams	MFG	09	Cc	0.23	1	Each	Various equipment on floor	DUS-MFG-09-177	b	-	<1000	1500	18800	310	2700	13600	17000	<50	<500	<200	175000	-
0799	DUS	beams	MFG	BS	B	27	1	Each	Debris on floor	DUS-MFG-BS-166	b	PCB	6000	630	13500	230	4000	9700	5300	51	<500	<200	44900	-
0800	FFL	SO2	MFG	1	Jb	13	125	LF	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0801	FFL	diesel	MFG	01	Jo	3.5	350	LF	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0802	FFL	oil	MFG				?	LF	Abandoned hydraulic line under 10 Ton Crane Bay, to waste PCB hydraulic tank, portions subsurface	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0803	FFL	oil	YAR	01	S	S	900	LF	Quench Oil Line	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0804	FLR	concrete	BBC	01	A	1	1	Each	Butler Building "C"	FLR-BBC-01-098	c	-	<1000	2150	22500	<200	7400	11600	4300	<50	790	<100	15500	-
0805	FLR	concrete	BBC	01	A	1	1	Each	Butler Building "B"	FLR-BBC-01-099	c	-	<1000	2680	27100	420	7100	8700	2900	<50	410	<100	21400	-
0806	FLR	concrete	CMG	01	R2	56	1	Each	-	FLR-CMG-01-057	c	-	<330	-	-	-	-	-	-	-	-	-	-	-

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Saginaw Malleable Iron
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0807	FLR	concrete	CMG	01	A	54	1	Each	-	FLR-CMG-01-058	c	-	<330	-	-	-	-	-	-	-	-	-	-	
0808	FLR	concrete	CMG	01	D	42	1	Each	-	FLR-CMG-01-059	c	PCB	1200	-	-	-	-	-	-	-	-	-	-	
0809	FLR	concrete	CMG	01	B	61	1	Each	-	FLR-CMG-01-038	c	PCB	7200	-	-	-	-	-	-	-	-	-	-	
0810	FLR	concrete	CMG	01	H	60	1	Each	-	FLR-CMG-01-039	c	PCB	14000	-	-	-	-	-	-	-	-	-	-	
0811	FLR	concrete	CMG	01	N	21	1	Each	-	FLR-CMG-01-042	c	PCB	2500	-	-	-	-	-	-	-	-	-	-	
0812	FLR	concrete	CMG	01	P	15	1	Each	-	FLR-CMG-01-043	c	PCB	12000	-	-	-	-	-	-	-	-	-	-	
0813	FLR	concrete	CMG	01	B	40	1	Each	-	FLR-MFG-01-046	c	-	330	-	-	-	-	-	-	-	-	-	-	
0814	FLR	concrete	CMG	01	C	40	1	Each	-	FLR-CMG-01-060	c	-	<330	-	-	-	-	-	-	-	-	-	-	
0815	FLR	concrete	CMG	01	N	68	1	Each	-	FLR-CMG-01-061	c	-	400	-	-	-	-	-	-	-	-	-	-	
0816	FLR	woodblock	CMG	01	Gh	31	1	Each	-	FLR-CMG-01-108	c	PCB	2000	-	-	-	-	-	-	-	-	-	-	
0817	FLR	concrete	CMG	01	C	19	1	Each	Battery recharge area	FLR-CMG-01-071	c	Pb	-	5340	29600	460	70000	179000	194000	<50	<500	860	60100	
0818	FLR	concrete	CMG	OR	Fg	27	1	Each	Sub G - Former PCB Transformer Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	
0819	FLR	concrete	EAD	01	D	3	1	Each	Stained	None	-	-	-	-	-	-	-	-	-	-	-	-	-	
0820	FLR	concrete	EAD	01	C	11	1	Each	-	FLR-EAD-01-052	c	PCB	2500	-	-	-	-	-	-	-	-	-	-	
0821	FLR	concrete	EAD	01	D	4	1	Each	-	FLR-EAD-01-063	c	-	<330	-	-	-	-	-	-	-	-	-	-	
0822	FLR	concrete	EAD	01	B	14	1	Each	Old River Water Pump Room	FLR-EAD-01-085	c	-	<1000	-	-	-	-	-	-	-	-	-	-	
0823	FLR	wood	EAD	OR	A	2	1	Each	Conveyor enclosure from sand reclamation to plant - abandoned	None	-	-	-	-	-	-	-	-	-	-	-	-	-	
0824	FLR	concrete	LNA	O1	A	1	1	Each	-	FLR-LNA-01-198	w	-	0.7	-	-	-	-	-	-	-	-	-	-	
0825	FLR	concrete	MFG	01	Hb	0.5	1	Each	Wash Bay	None	-	-	-	-	-	-	-	-	-	-	-	-	-	
0826	FLR	concrete	MFG	01	D	0	1	Each	Located in the building know as the "Heal"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	
0827	FLR	concrete	MFG	01	B	13	1	Each	Stained	None	-	-	-	-	-	-	-	-	-	-	-	-	-	
0828	FLR	concrete	MFG	01	Jo	10.4	1	Each	Stained	None	-	-	-	-	-	-	-	-	-	-	-	-	-	
0829	FLR	concrete	MFG	01	Jo	7.6	2	Each	Oil stained. Take 2 samples	None	-	-	-	-	-	-	-	-	-	-	-	-	-	
0830	FLR	concrete	MFG	01	Ha	3.0	2	Each	Capacitor Room C - stained floor take 2 samples	None	-	-	-	-	-	-	-	-	-	-	-	-	-	
0831	FLR	concrete	MFG	01	Ka	0.5	1	Each	Capacitor Room B - Transformer Room Stained	None	-	-	-	-	-	-	-	-	-	-	-	-	-	
0832	FLR	concrete	MFG	01	Ka	0.3	1	Each	Capacitor Room A - Control Room Stained	None	-	-	-	-	-	-	-	-	-	-	-	-	-	
0833	FLR	concrete	MFG	01	Ka	0.2	1	Each	Capacitor Room A - Transformer Room stained	None	-	-	-	-	-	-	-	-	-	-	-	-	-	
0834	FLR	concrete	MFG	01	A	8	1	Each	-	FLR-MFG-01-053	c	-	<330	-	-	-	-	-	-	-	-	-	-	
0835	FLR	concrete	MFG	01	A	9	1	Each	-	FLR-MFG-01-054	c	-	<1000	2810	37300	<200	7100	6100	5000	<50	380	<100	12500	
0836	FLR	concrete	MFG	01	F	0.27	1	Each	-	FLR-MFG-01-055	c	-	<330	-	-	-	-	-	-	-	-	-	-	
0837	FLR	concrete	MFG	01	H	13.1	1	Each	-	FLR-MFG-01-056	c	-	<330	-	-	-	-	-	-	-	-	-	-	

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GENERAL MOTORS CORPORATION
Saginaw Malleable Iron
Saginaw, Michigan
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0838	FLR	concrete	MFG	01	F	27	1	Each	-	FLR-MFG-01-044	c	-	800	-	-	-	-	-	-	-	-	-	-	-
0839	FLR	concrete	MFG	01	B	36	1	Each	-	FLR-MFG-01-045	c	-	350	-	-	-	-	-	-	-	-	-	-	-
0840	FLR	concrete	MFG	01	B	28	1	Each	-	FLR-MFG-01-064	c	-	<330	-	-	-	-	-	-	-	-	-	-	-
0841	FLR	wood	MFG	01	La	0.4	1	Each	Crane Bay floor comprised of some concrete, wood and ballast	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0842	FLR	concrete	MFG	01	Fb	14.4	1	Each	Emissions Room	FLR-MFG-01-086	c	-	<1000	-	-	-	-	-	-	-	-	-	-	-
0843	FLR	concrete	MFG	01	Na	0.2	1	Each	Aisle between Capacitor and Transformer Rooms	FLR-MFG-01-089	c	PCB	18000	-	-	-	-	-	-	-	-	-	-	-
0844	FLR	concrete	MFG	01	Aa	0.1	1	Each	PCB Storage Area	FLR-MFG-01-090	w	-	2	-	-	-	-	-	-	-	-	-	-	-
0845	FLR	concrete	MFG	01	Aa	0.1	1	Each	West end of 10-Ton crane bay	FLR-MFG-01-103	c	-	<1000	2100	31600	<200	10300	12400	13700	<50	340	<100	54500	-
0846	FLR	concrete	MFG	01	Aa	8.9	1	Each	East end of 10-Ton crane bay	FLR-MFG-01-104	c	-	<1000	2810	37300	<200	7100	6100	5000	<50	380	<100	12500	-
0847	FLR	concrete	MFG	03	A	34	1	Each	Substation "C" - formerly impacted with PCB oils	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0848	FLR	concrete	MFG	04	E	0.27	1	Each	Oily	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0849	FLR	steel plate	MFG	04	J	0.29	1	Each	Steel decking where former PCB capacitor spill occurred	FLR-MFG-04-182	w	-	0.8	-	-	-	-	-	-	-	-	-	-	-
0850	FLR	steel plate	MFG	04	J	0.29	1	Each	Steel decking where former PCB capacitor spill occurred	FLR-MFG-04-193	w	-	0.9	-	-	-	-	-	-	-	-	-	-	-
0851	FLR	concrete	MFG	OB	D	7.6	1	Each	Sand Line #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0852	FLR	concrete	MFG	OB	AD	0.29	1	Each	Stained	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0853	FLR	concrete	MFG	OB	X	X	1	Each	Tunnel from main plant to locker rooms/maintenance	FLR-MFG-0B-084	c	PCB	6400	-	-	-	-	-	-	-	-	-	-	-
0854	FLR	concrete	MFG	OB	B	26	1	Each	Stained Concrete	FLR-MFG-BS-184	c	PCB	1400	2160	35100	350	6100	5000	4100	<50	<500	<200	13700	-
0855	FLR	concrete	MFG	OB	B	20	1	Each	Stained Concrete	FLR-MFG-BS-185	c	-	500	2470	36100	340	6900	5600	3400	<50	<500	<200	16200	-
0856	FLR	debris	MFG	OB	C	5.2	1	Each	Sand Line #2 basement debris under 2 ft of water	FLR-MFG-BS-195	c	-	<1000	600	24200	<200	1600	6200	4000	<50	<500	<200	45300	-
0857	FLR	debris	MFG	OB	G	48	1	Each	Basement of #1 Sand Line	FLR-MFG-BS-206	c	-	<1000	610	10800	<200	<1000	2300	2200	<50	<500	<200	26600	-
0858	FLR	concrete	MFG	OR	H	40	1	Each	Sub B - Oil Stained	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0859	FLR	concrete	MFG	OR	F	45	1	Each	Sub A/F (A) - Former PCB Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0860	FLR	concrete	MFG	OR	C	57	1	Each	Sub D - former PCB Sub	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0861	FLR	concrete	MFG	OR			1	Each	Sub D-54 - Floor was PCB impacted and not remediated. Room is welded closed.	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0862	FLR	concrete	MNT	01	B	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0863	FLR	concrete	MNT	01	B	1	1	Each	North end at power wash booth	FLR-MNT-01-094	c	Pb	<1000	14700	164000	380	8900	31200	145000	<50	590	160	62200	-
0864	FLR	concrete	MNT	01	B	6	1	Each	South end of building at south doorway	FLR-MNT-01-095	c	PCB	4000	-	-	-	-	-	-	-	-	-	-	-
0865	FLR	concrete	SMG	01	B	66	1	Each	-	FLR-SMG-01-037	c	PCB	5000	-	-	-	-	-	-	-	-	-	-	-
0866	FLR	concrete	SMG	01	c	57	1	Each	-	FLR-SMG-01-040	c	-	840	-	-	-	-	-	-	-	-	-	-	-
0867	FLR	concrete	SMG	01	B	15	1	Each	-	FLR-SMG-01-041	c	PCB	7000	-	-	-	-	-	-	-	-	-	-	-
0868	FLR	concrete	SMG	OR	B	66	1	Each	Capped floor from former PCB Sub Station	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Saginaw Malleable Iron
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TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0869	FLR	concrete	SRB	01	A	1	1	Each	soiled	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0870	FLR	concrete	SRB	01	A	1	1	Each	Stained	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0871	FLR	concrete	SRB	01	A	1	1	Each	-	FLR-SRB-01-050	c	-	<330	-	-	-	-	-	-	-	-	-	-	-
0872	FLR	concrete	SRB	01	A	1	1	Each	-	FLR-SRB-01-051	c	-	<330	-	-	-	-	-	-	-	-	-	-	-
0873	FLR	debris	SRB	OB	F	1	1	Each	Tunnel from Sand Reclaim Building to main plant to former administration bldg	FLR-SRB-BS-197	c	-	300	1580	80800	2270	11800	164000	83600	354	520	430	1410000	-
0874	FLR	concrete	WTP	01	A	3	1	Each	Stained	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0875	FLR	concrete	WTP	03	D	1	1	Each	Stained	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0876	FLR	concrete	YAR	01	A	1	1	Each	Consumer Power leased building north of plant	FLR-YAR-01-194	c	-	<1000	-	-	-	-	-	-	-	-	-	-	-
0877	FLR	concrete	YEQ	01	A	1	1	Each	Stained	FLR-EQ-01-052	c	-	<330	-	-	-	-	-	-	-	-	-	-	-
0878	FTR	air filter	CMG	01	P	64	1	Each	#272495	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0879	FTR	air filter	CMG	01	P	64	1	Each	#272496	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0880	FTR	scrubber	CMG	01	Eg	67	1	Each	D Pan conveyor air wash	FTR-CMG-OR-031	b	Zn	<1000	6070	128000	3430	34400	63300	86000	<50	1350	150	25100000	-
0881	FTR	scrubber	CMG	01	K	68	1	Each	H-SC33-252 Scrubber	FTR-CMG-OR-032	b	PCB	15000	2380	13200	450	40700	38900	32700	101	350	120	86300	-
0882	FTR	exhaust	CMG	01	C	15	1	Each	#272520 Torrid	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0883	FTR	exhaust	CMG	01	C	14	1	Each	#272517	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0884	FTR	scrubber	CMG	OR	X	X	10	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0885	FTR	exhaust	CMG	OR	X	X	37	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0886	FTR	air filter	CMG	OR	X	X	1	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0887	FTR	oil filter	EAD	01	B	7	1	Each	#272569 Auto Milling Machine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0888	FTR	cutting fluid	EAD	01	E	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0889	FTR	dust	EAD	01	E	4	1	Each	#272557 Dust Collector	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0890	FTR	air filter	EAD	01	B	8	1	Each	#272595 Blanchard	OFM-EAD-01-144	w	-	1.5	-	-	-	-	-	-	-	-	-	-	-
0891	FTR	exhaust	EAD	01	C	8	1	Each	Tornado	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0892	FTR	air filter	EAD	01	D	7	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0893	FTR	air filter	EAD	01	D	7	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0894	FTR	water	LNA	01	A	1	1	Each	Carbon filters, 3' rd x 6'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0895	FTR	air filter	MFG	01	C	1	1	Each	AMU # 27	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0896	FTR	exhaust	MFG	01	B	22	1	Each	#272468 - Shot Blast Separator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0897	FTR	air filter	MFG	01	E	17	2	Each	Air Dryer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0898	FTR	air filter	MFG	01	B	32	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0899	FTR	air filter	MFG	01	D	22	5	Each	FATA Aluminum Sand System	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0900	FTR	press	MFG	01	Ja	15.8	4	Each	Cooling Tower Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0901	FTR	sand	MFG	01	Mb	14.4	2	Each	8' rd x 10'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0902	FTR	scrubber	MFG	01	B	13	1	Each	SO2 Scrubber 6' rd	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0903	FTR	scrubber	MFG	01	B	13	1	Each	ISOSET Scrubber	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0904	FTR	oil filter	MFG	01	Jo	7.6	2	Each	Generator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0905	FTR	air filter	MFG	01	Jo	7.6	2	Each	Generator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0906	FTR	oil filter	MFG	01	Jo	0.3	1	Each	Generator Room #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0907	FTR	air filter	MFG	01	B	20	1	Each	Klein Transporter	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0908	FTR	oil filter	MFG	01	B	28	1	Each	Hydraulic sys	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0909	FTR	air filter	MFG	02	B	24	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0910	FTR	air filter	MFG	02	B	29	1	Each	Coalescing	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0911	FTR	press	MFG	02	B	28	1	Each	#272140	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0912	FTR	exhaust	MFG	02	B	30	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0913	FTR	air filter	MFG	02	B	30	1	Each	#272134 - Supercharger	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0914	FTR	exhaust	MFG	02	B	29	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0915	FTR	air filter	MFG	02	B	24	1	Each	VAC cartridge collector - Wheelabrator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0916	FTR	scrubber	MFG	02	C	26	1	Each	Scrubber # V-SC38-137	FTR-MFG-02-164	w	PCB	50	-	-	-	-	-	-	-	-	-	-	-
0917	FTR	Air Dryer	MFG	03	Jo	4.5	4	Each	Air Dryer #3-4 & #5-6 Trim Deck ?D	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0918	FTR	air filter	MFG	03	Jo	0.3	2	Each	Trim Deck Pan Conv	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0919	FTR	scrubber	MFG	03	D	41	1	Each	15' rd x ?	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0920	FTR	exhaust	MFG	04	D	41	1	Each	Dust collector	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0921	FTR	scrubber	MFG	06	D	5.2	1	Each	Sand Line #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0922	FTR	scrubber	MFG	OR	X	X	45	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0923	FTR	exhaust	MFG	OR	X	X	61	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0924	FTR	air filter	MFG	OR	X	X	5	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0925	FTR	air filter	MNT	01	E	2	1	Each	Carpenter Shop	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0926	FTR	air filter	MNT	01	D	4	1	Each	Norfab	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0927	FTR	exhaust	SMG	OR	X	X	4	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0928	FTR	scrubber	SRB	01	A	1	1	Each	#272271 @ 35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0929	FTR	scrubber	SRB	01	A	1	1	Each	#272283 sand scrubber @ 15' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0930	FTR	exhaust	SRB	01	A	1	1	Each	Transmatic @ 15' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0931	FTR	exhaust	SRB	01	A	1	1	Each	#272805 Sand System Dust Collector @ 24' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0932	FTR	exhaust	SRB	01	A	1	1	Each	#272804 Calciner Dust Collector @ 24' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0933	FTR	air filter	SRB	01	A	1	1	Each	Spencer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0934	FTR	air filter	SRB	OR	X	X	2	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0935	FTR	exhaust	WAD	OR	X	X	7	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0936	FTR	air filter	WTP	01	D	2	2	Each	Air dryer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0937	FTR	sand	WTP	01	A	2	1	Each	Sand Filter Tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0938	FTR	exhaust	WTP	03	A	1	1	Each	BFP	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0939	FTR	air filter	WTP	03	D	4	1	Each	ASU	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0940	FTR	exhaust	YAR	01	W	W	1	Each	Torrit Filter	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0941	FTR	exhaust	YAR	01	E	E	1	Each	Paint Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0942	GEN	diesel backup power supply	MFG	01	Jo	0.3	1	Each	Generator Room #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0943	GEN	diesel backup power supply	WTP	01	D	2	1	Each	Outside building	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0944	LIT	4' 2 bulb 1 ballast fluorescent	BBB	01	A	2	4	Each	Office area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0945	LIT	8' 2 bulb 1 ballast fluorescent	BBB	01	All	1	12	Each	General lighting	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0946	LIT	8' 2 bulb 1 ballast fluorescent	BBC	01	All	1	1	Each	General lighting	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0947	LIT	4' 4 bulb 2 ballast fluorescent	BBC	01	A	2	1	Each	Office area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0948	LIT	high intensity lamp	CMG	01	A	1	1	Each	throughout the plant	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0949	LIT	4' 2 bulb 1 ballast fluorescent	CMG	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0950	LIT	4' 4 bulb 2 ballast fluorescent	CMG	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0951	LIT	high intensity lamp	CMG	01	A	43	2	Each	Super Flood UV	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0952	LIT	4' 1 bulb 1 ballast fluorescent	CMG	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0953	LIT	2' 2 bulb 1 ballast fluorescent	CMG	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0954	LIT	4' 4 bulb 2 ballast fluorescent	CMG	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0955	LIT	high intensity lamp	CMG	01	P	20	2	Each	Lighting parts used storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0956	LIT	high intensity lamp	CMG	01	L	20	2	Each	Used lights in storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0957	LIT	4' 4 bulb 2 ballast fluorescent	EAD	01	X	X	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0958	LIT	high intensity lamp	EAD	01	X	X	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0959	LIT	4' 2 bulb 1 ballast fluorescent	EAD	01	X	X	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0960	LIT	8' 2 bulb 1 ballast fluorescent	EAD	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0961	LIT	4' 2 bulb 1 ballast fluorescent	LNA	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0962	LIT	high intensity lamp	LNA	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0963	LIT	4' 4 bulb 2 ballast fluorescent	LRM	01	A	1	1	Each	Security Booth	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0964	LIT	high intensity lamp	LRM	01	A	1	1	Each	Special lighting	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0965	LIT	2' 1 bulb,1 ballast u-fluorescent	LRM	01	A	1	1	Each	Turnstile entrance general lighting ?D	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0966	LIT	8' 2 bulb 1 ballast fluorescent	MFG	01	A	1	1	Each	Throughout Facility	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0967	LIT	high intensity lamp	MFG	01	A	1	1	Each	Throughout Facility	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0968	LIT	4' 4 bulb 2 ballast fluorescent	MFG	01	A	1	1	Each	Throughout Facility	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0969	LIT	4' 2 bulb 1 ballast fluorescent	MFG	01	A	1	1	Each	Throughout Facility	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0970	LIT	4' 1 bulb 1 ballast fluorescent	MFG	01	A	1	1	Each	Throughout Facility	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0971	LIT	2' 1 bulb 1 ballast fluorescent	MFG	01	A	1	1	Each	Throughout Facility	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0972	LIT	high intensity lamp	MFG	OB	Fb	5.2	1	Each	Throughout Tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0973	LIT	2' 2 bulb 1 ballast fluorescent	MFG	OB	Fb	5.2	1	Each	Throughout Buss Tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0974	LIT	4' 1 bulb 1 ballast fluorescent	MFG	OB	Fb	5.6	1	Each	Throughout Buss Tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0975	LIT	4' 4 bulb 2 ballast fluorescent	MNT	01	X	X	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0976	LIT	4' 2 bulb 1 ballast fluorescent	MNT	01	X	X	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0977	LIT	high intensity lamp	MNT	01	X	X	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0978	LIT	high intensity lamp	OIL	01	All	1	1	Each	General lighting	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0979	LIT	high intensity lamp	SMG	01	A	1	1	Each	Throughout facility	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0980	LIT	4' 2 bulb 1 ballast fluorescent	SRB	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0981	LIT	high intensity lamp	SRB	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0982	LIT		WAD	01	A	1	6	Each	West end of Administration	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0983	LIT	2' 1 bulb 1 ballast fluorescent	WAD	01	A	1	1	Each	8" Circular - Medical Department	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0984	LIT	high intensity lamp	WAD	01	A	1	1	Each	Medical Department	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0985	LIT	4' 2 bulb 1 ballast fluorescent	WAD	01	A	1	1	Each	Medical Department - "U" Tube type	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0986	LIT	4' 2 bulb 1 ballast fluorescent	WAD	02	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0987	LIT	4' 4 bulb 2 ballast fluorescent	WAD	02	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0988	LIT	4' 2 bulb 1 ballast fluorescent	WAD	02	A	1	1	Each	"U" Tube type fixtures	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0989	LIT	high intensity lamp	WTP	03	X	X	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0990	LIT	4' 2 bulb 1 ballast fluorescent	WTP	03	X	X	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0991	LIT	4' 4 bulb 2 ballast fluorescent	WTP	03	X	X	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0992	LIT	high intensity lamp	YAR	01	A	1	6	Each	Gas Pump Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
0993	LIT	high intensity lamp	YAR	01	N	S	1	Each	Throughout outside of facility	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0994	LIT	4' 4 bulb 2 ballast fluorescent	YAR	01	N	S	1	Each	Throughout Facility	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0995	LIT	high intensity lamp	YEQ	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0996	LIT	8' 2 bulb 1 ballast fluorescent	YEQ	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0997	LIT	4' 2 bulb 1 ballast fluorescent	YEQ	01	A	1	1	Each	Throughout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0998	MCD	thermostat	BBB	01	C	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0999	MCD	gas pressure switch	CMG	01	L	13	1	Each	Mamoth Heater	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1000	MCD	gas pressure switch	CMG	01	H	24	1	Each	MUAU 40 FE006853	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1001	MCD	gas pressure switch	CMG	01	A	54	2	Each	MUAU 43 FE005856 shipping	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1002	MCD	thermostat	CMG	01	A	55	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1003	MCD	gas pressure switch	CMG	01	A	35	2	Each	MUAU 52 FE006858	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1004	MCD	gas pressure switch	CMG	01	B	14	4	Each	Draw #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1005	MCD	mercury switch	CMG	01	B	14	3	Each	Draw #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1006	MCD	gas pressure switch	CMG	01	B	13	2	Each	Draw #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1007	MCD	gas pressure switch	CMG	01	S	15	4	Each	Draw #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1008	MCD	gas pressure switch	CMG	01	S	13	3	Each	Draw #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1009	MCD	gas pressure switch	CMG	01	A14	4	1	Each	Draw #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1010	MCD	mercury switch	CMG	01	A	14	1	Each	Draw #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1011	MCD	gas pressure switch	CMG	01	A	17	2	Each	Draw #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1012	MCD	mercury switch	CMG	01	S	15	3	Each	Draw #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1013	MCD	gas pressure switch	CMG	01	A	59	5	Each	Kiln #16	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1014	MCD	gas pressure switch	CMG	01	A	60	1	Each	Kiln # 16	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1015	MCD	gas regulator	CMG	01	B	60	6	Each	Kiln # 14	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1016	MCD	gas pressure switch	CMG	01	Lm	60	3	Each	Kiln #8	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1017	MCD	mamometer	CMG	01	Lm	60	1	Each	Kiln #8	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1018	MCD	gas pressure switch	CMG	01	N	60	2	Each	Kiln #7	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1019	MCD	mamometer	CMG	01	N	60	1	Each	Kiln #7	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1020	MCD	mamometer	CMG	01	P	59	1	Each	Kiln #6	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1021	MCD	gas pressure switch	CMG	01	P	59	2	Each	Kiln #6	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1022	MCD	gas pressure switch	CMG	01	Q	60	4	Each	Kiln #5	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1023	MCD	mamometer	CMG	01	Q	60	1	Each	Kiln #5	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1024	MCD	gas pressure switch	CMG	01	R	57	2	Each	Kiln #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1025	MCD	gas pressure switch	CMG	01	R	60	5	Each	Kiln #2 & 3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1026	MCD	mamometer	CMG	01	R	60	1	Each	Kiln #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1027	MCD	mamometer	CMG	01	S	59	1	Each	Kiln #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1028	MCD	gas pressure switch	CMG	01	S	59	6	Each	Kiln #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1029	MCD	mercury switch	CMG	01	R	52	1	Each	Draw #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1030	MCD	mercury switch	CMG	01	R	14	1	Each	Draw #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1031	MCD	mercury switch	CMG	01	R	15	1	Each	Draw #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1032	MCD	mercury switch	CMG	01	R	15	1	Each	Draw #12	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1033	MCD	mercury switch	CMG	01	R	14	1	Each	Draw #12	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1034	MCD	mercury switch	CMG	01	R	52	1	Each	Draw #12	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1035	MCD	gas pressure switch	CMG	01	P	52	1	Each	Draw #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1036	MCD	gas pressure switch	CMG	01	P	14	1	Each	Draw #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1037	MCD	gas pressure switch	CMG	01	P	16	1	Each	Draw #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1038	MCD	mercury switch	CMG	01	R	14	1	Each	Draw #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1039	MCD	mercury switch	CMG	01	R	16	1	Each	Draw #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1040	MCD	mercury switch	CMG	01	R	52	1	Each	Draw #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1041	MCD	thermostat	CMG	01	R	65	1	Each	#272487 Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1042	MCD	gas pressure switch	CMG	01	Cd	67	1	Each	MUAU 36	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1043	MCD	gas pressure switch	CMG	01	Cd	67	2	Each	MUAU 37	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1044	MCD	gas pressure switch	CMG	01	C	53	2	Each	MUAU 42 FE006855	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1045	MCD	gas pressure switch	CMG	2	R	66	1	Each	MUAU 29	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1046	MCD	gas pressure switch	CMG	OR	E	68	2	Each	MUAU 33	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1047	MCD	thermostat	EAD	01	D	13	1	Each	Receiving Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1048	MCD	thermostat	EAD	01	E	12	1	Each	Receiving Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1049	MCD	thermostat	EAD	01	B	2	1	Each	ERG/IH Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1050	MCD	thermostat	EAD	01	E	9	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1051	MCD	thermostat	EAD	01	E	8	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1052	MCD	thermostat	EAD	01	E	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1053	MCD	thermostat	EAD	01	E	5	1	Each	Office on Mez	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1054	MCD	thermostat	EAD	01	E	4	1	Each	Office on Mez	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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1055	MCD	thermostat	EAD	01	E	9	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1056	MCD	thermostat	EAD	01	D	13	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1057	MCD	thermostat	EAD	02	C	13	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1058	MCD	thermostat	EAD	02	B	9	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1059	MCD	thermostat	EAD	02	D	9	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1060	MCD	thermostat	EAD	02	B	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1061	MCD		EAD	02	C	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1062	MCD	thermostat	EAD	02	D	8	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1063	MCD	thermostat	EAD	02	B	8	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1064	MCD	gas pressure switch	EAD	02	B	9	1	Each	MUAU 51	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1065	MCD	thermostat	EAD	02	B	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1066	MCD	thermostat	EAD	02	B	10	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1067	MCD	thermometer	EAD	02	A	2	2	Each	Apparatus Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1068	MCD	thermometer	EAD	OR	B	8	2	Each	For Dunham Bush HVAC	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1069	MCD	thermostat	LRM	01	A	1	2	Each	Security Booth thermostats	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1070	MCD	thermostat	LRM	01	F	6	1	Each	Men's Locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1071	MCD	thermostat	LRM	01	G	F	10	Each	Women's locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1072	MCD	thermostat	LRM	01	G	8	1	Each	Security break area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1073	MCD	thermostat	LRM	01	G	8	1	Each	Security break area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1074	MCD	thermostat	LRM	01	F	4	1	Each	Time keepers office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1075	MCD	thermostat	LRM	01	A	9	1	Each	Salary Locker room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1076	MCD	thermostat	MFG	01	E	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1077	MCD	thermostat	MFG	01	A	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1078	MCD	thermostat	MFG	01	E	8	1	Each	Employee Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1079	MCD	gas pressure switch	MFG	01	C	1	2	Each	MUAU 27 FE006852	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1080	MCD	thermometer	MFG	01	E	18	3	Each	IR Compressor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1081	MCD	thermometer	MFG	01	E	18	3	Each	IR Compressor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1082	MCD	thermometer	MFG	01	E	18	8	Each	#FE0006119 Joy Compressor #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1083	MCD	thermometer	MFG	01	E	18	8	Each	#FE0006122 - #1 Joy Compressor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1084	MCD	thermometer	MFG	01	E	18	8	Each	#FE0006121 - #2 Joy Compressor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1085	MCD	thermometer	MFG	01	E	18	8	Each	#FE0006123 - #3 Joy Compressor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1086	MCD	thermometer	MFG	01	E	18	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1087	MCD	mercury switch	MFG	01	E	17	3	Each	Foxboro Gage - Steam & Water	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1088	MCD	mercury switch	MFG	01	B	19	1	Each	45' level - Var Lochinvar	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1089	MCD	gas pressure switch	MFG	01	D	35	2	Each	MUAU 15 FE006844	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1090	MCD	gas regulator	MFG	01	D	34	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1091	MCD	thermostat	MFG	01	D	0	1	Each	Located in the building know as the "Heal"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1092	MCD	mercury switch	MFG	01	A	13	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1093	MCD	thermostat	MFG	01	C	24	1	Each	Mez Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1094	MCD	thermostat	MFG	01	E	30	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1095	MCD	thermostat	MFG	01	Ja	8.9	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1096	MCD	mercury switch	MFG	01	Kb	11.7	2	Each	Oil Water Separator System PCB Treatment Sys	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1097	MCD	mercury switch	MFG	01	A	28	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1098	MCD	mercury switch	MFG	01	A	30	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1099	MCD	gas pressure switch	MFG	01	H	14	2	Each	MUAU 9	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1100	MCD	gas pressure switch	MFG	01	D	38	2	Each	MUAU 12 GM40212	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1101	MCD	gas pressure switch	MFG	01	E	26	2	Each	MUAU 17 FE006845	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1102	MCD	gas pressure switch	MFG	01	T	37	2	Each	MUAU 46 #27227	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1103	MCD	gas pressure switch	MFG	01	A	40	2	Each	MUAU 12 A OLD	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1104	MCD	gas pressure switch	MFG	01	E	22	2	Each	MUAU 18	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1105	MCD	gas pressure switch	MFG	02	No	5.2	1	Each	#273028 Portable blower	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1106	MCD	gas pressure switch	MFG	02	No	0.3	1	Each	Maint storage area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1107	MCD	thermometer	MFG	02	B	28	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1108	MCD	gas regulator	MFG	02	B	30	10	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1109	MCD	thermometer	MFG	02	B	30	1	Each	17' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1110	MCD	gas pressure switch	MFG	02	C	23	2	Each	MUAU 19 FE006846	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1111	MCD	gas pressure switch	MFG	02	B	31	5	Each	#272132 VAC Combustion blower	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1112	MCD	gas pressure switch	MFG	02	H	.02	2	Each	MUAU 4 FE006841 Mold Line #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1113	MCD	gas pressure switch	MFG	02	Ja	6.2	2	Each	Mobile Gas Meter	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1114	MCD	gas pressure switch	MFG	02	Ao	7.6	2	Each	#273004	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1115	MCD	gas pressure switch	MFG	02	Ao	0.5	2	Each	MUAU 5	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1116	MCD	gas pressure switch	MFG	02	Ao	0.5	2	Each	MUAU 13	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1117	MCD	gas pressure switch	MFG	02	J	0.39	2	Each	MUAU 47	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1118	MCD	thermometer	MFG	02	B	28	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1119	MCD	gas pressure switch	MFG	02	B	30	3	Each	#272133 VAC Combustion blower	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1120	MCD	gas pressure switch	MFG	03	Ho	0.3	5	Each	#273381 Preheat Furnace #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1121	MCD	gas pressure switch	MFG	03	Ho	0.3	5	Each	#273352 Preheat Furnace #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1122	MCD	gas pressure switch	MFG	03	Fo	?D	2	Each	MUAU 24 FE006850 Melting	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1123	MCD	gas pressure switch	MFG	03	G ?D	49	2	Each	MUAU 3 FE006840 Mold Line #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1124	MCD	gas pressure switch	MFG	03	E ?D	49	2	Each	MUAU 2 FE006839 Mold Line #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1125	MCD	gas pressure switch	MFG	03	E ?D	49	2	Each	MUAU 1 FE006833 Mold Line #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1126	MCD	gas pressure switch	MFG	03	Hb	7.6	3	Each	Preheat #5	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1127	MCD	gas pressure switch	MFG	03	Hb	7.6	1	Each	Preheat #6	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1128	MCD	gas pressure switch	MFG	03	Hb	4.5	1	Each	Preheat #4	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1129	MCD	gas pressure switch	MFG	03	Hb	4.5	1	Each	Preheat #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1130	MCD	gas pressure switch	MFG	03	D	41	2	Each	MUAU 11	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1131	MCD	thermostat	MFG	04	G	.27	4	Each	Hyd pump units ?D	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1132	MCD	gas pressure switch	MFG	04	H	0.3	6	Each	#272967 Afterburner exhaust #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1133	MCD	gas pressure switch	MFG	04	H	2.0	6	Each	#276376 Afterburner exhaust #4	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1134	MCD	gas pressure switch	MFG	04	H	2.0	6	Each	#273377 Afterburner exhaust #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1135	MCD	gas pressure switch	MFG	04	H	0.3	6	Each	#272968 Afterburner exhaust #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1136	MCD	thermostat	MFG	04	Fb	0.1	1	Each	#272361 MAU #20	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1137	MCD	thermostat	MFG	04	Fb	0.3	1	Each	MAU #21	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1138	MCD	thermostat	MFG	04	Fb	0.4	1	Each	MAU #23	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1139	MCD	thermostat	MFG	04	Fb	0.4	1	Each	MAU #22	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1140	MCD	gas pressure switch	MFG	04	D	41	1	Each	MUAU 46	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1141	MCD	gas pressure switch	MFG	04	Ao	0.5	2	Each	MAU 5 FE006842	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1142	MCD	gas pressure switch	MFG	05	Fo	8.9	2	Each	MUAU 26 FE006850 #7 Strand Melter	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1143	MCD	gas pressure switch	MFG	05	Fb	0.1	2	Each	MUAU 20 #273361	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1144	MCD	gas pressure switch	MFG	05	Fb	0.4	2	Each	MUAU 23 FE008849 #273364	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1145	MCD	gas pressure switch	MFG	05	Fb	0.4	2	Each	MUAU 22 FE006848 #273363	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1146	MCD	gas pressure switch	MFG	05	H	0.3	0	Each	MUAU 21 #273362	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1147	MCD	gas pressure switch	MFG	05	H	7.6	0	Each	MUAU 25 Furnace #4 #6 Strand (no heat)	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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1148	MCD	gas pressure switch	MFG	05	H	7.6	1	Each	Afterburner exhaust #5	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1149	MCD	gas pressure switch	MFG	05	H	7.6	1	Each	Afterburner exhaust #6	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1150	MCD	mercury switch	MFG	OB	Fb	5.2	1	Each	Buss Tunnel east end sump	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1151	MCD	mercury switch	MFG	OB	Fb	7.6	1	Each	East end buss tunnel sump	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1152	MCD	gas pressure switch	MFG	OR	C	35	2	Each	MUAU 15 OLD	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153	MCD	gas pressure switch	MNT	OR	D	5	2	Each	MUAU 35	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154	MCD	gas pressure switch	MNT	OR	E	3	2	Each	MUAU 34	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1155	MCD	thermostat	OIL	01	A	1	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1156	MCD	gas pressure switch	MFG	02	Ba	10	2	Each	MUAU 48	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1157	MCD	gas pressure switch	SMG	01	B	52	2	Each	MUAU 39 GM39611	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1158	MCD	gas pressure switch	SMG	01	B	59	5	Each	Kiln #17	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1159	MCD	gas pressure switch	SMG	01	B	59	1	Each	Kiln #17	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1160	MCD	gas pressure switch	SMG	01	B	65	2	Each	MUAU 38 GM39589	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1161	MCD	gas pressure switch	SMG	03	D	45	2	Each	MUAU 41 FE006854	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1162	MCD	mercury switch	SRB	01	A	1	1	Each	#272277 Sealbing Screen Hopper @ 35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1163	MCD	gas pressure switch	SRB	01	A	1	2	Each	MUAU @ 35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1164	MCD	mercury switch	SRB	01	A	1	1	Each	Bindicator @ 26' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1165	MCD	gas pressure switch	SRB	01	A	1	2	Each	@ 15' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1166	MCD	gas pressure switch	SRB	01	A	1	2	Each	@ 17' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1167	MCD	gas pressure switch	SRB	01	A	1	2	Each	#272288 pre-heat gas system @ 15' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1168	MCD	thermostat	SRB	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1169	MCD	thermostat	SRB	01	A	1	4	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1170	MCD	thermostat	WAD	01	A	1	1	Each	West end of administration	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1171	MCD	thermostat	WAD	01	A	1	1	Each	Center section of west administration	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1172	MCD	thermostat	WAD	01	A	1	1	Each	Food Service Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1173	MCD	thermostat	WAD	01	A	1	2	Each	Medical Department	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1174	MCD	blood pressure	WAD	01	A	1	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1175	MCD	thermostat	WAD	02	A	1	1	Each	EDS Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1176	MCD	thermostat	WAD	02	A	1	1	Each	Lab	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1177	MCD	thermometer	WAD	02	A	1	1	Each	Lab	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1178	MCD	thermostat	WAD	02	A	1	1	Each	Center Hallway	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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1179	MCD	thermostat	WAD	02	A	1	1	Each	Office	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1180	MCD	thermostat	WTP	03	D	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1181	MCD	gas pressure switch	WTP	03	B	3	2	Each	MUAU ASU1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1182	MCD	thermostat	YAR	01	X	X	2	Each	SMILE Center	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1183	MED	sharps	WAD	01	A	1	1	Each	Sharps	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1184	MED	drugs	WAD	01	A	1	1	Each	Medical Department	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1185	MIS	laboratory chemicals	CMG	01	R	36	1	Each	In electrical panel - Caustic soda. Sample the white residue	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1186	MIS	insulation	MFG	03	X	X	1	Each	Galbestos pipe insulation	MIS-MFG-03-160	b	PCB	10000	-	-	-	-	-	-	-	-	-	-	-
1187	MIS	laboratory chemicals	SRB	01	A	1	1	Each	@ 15' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1188	MIS	cleaning supplies	WAD	01	A	1	1	Each	In closets	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1189	MIS	cleaning supplies	WAD	01	A	1	1	Each	Medical Department	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1190	MIS	laboratory chemicals	WAD	02	A	1	1	Each	Closets and on benches	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1191	MIS	laboratory chemicals	WAD	02	A	1	1	Each	Laboratory	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1192	MIS	laboratory chemicals	WAD	02	A	1	1	Each	Metallography Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1193	MIS	laboratory chemicals	WTP	01	B	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1194	MIS	laboratory chemicals	WTP	02	B	5	1	Each	Laboratory Chemicals	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1195	MIS	laboratory chemicals	WTP	02	B	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1196	MIS	aerosol cans	YAR	01	E	E	1	Each	Paint locker containing thinners, etc.	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1197	OFM	gear box - over head door	CMG	01	H	25	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1198	OFM	hydraulic pump	CMG	01	T	29	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1199	OFM	gear box	CMG	01	T	29	1	Each	Gear Drive	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1200	OFM	gear box - conveyor drive	CMG	01	P	65	1	Each	Power & Free Conveyor Gear Box	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1201	OFM	gear box - conveyor drive	CMG	01	R	61	1	Each	Power & Free Conveyor Gear Box	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1202	OFM	oil reservoir	CMG	01	R	5	1	Each	Chain Lubricator for P&F Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1203	OFM	oil reservoir	CMG	01	P	65	1	Each	Chain Lubricator for P&F Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1204	OFM	oil reservoir	CMG	01	R	61	1	Each	Chain Lubricator for P&F Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1205	OFM	gear box	CMG	01	GH	27	1	Each	#27233 Pangborn #23 blast	OFM-CMG-01-077	b	-	<1000	260	2300	<200	18000	616000	11500	<50	<200	<100	54600	-
1206	OFM	gear box	CMG	01	E	27	1	Each	#272534 Pangborn #22 blast	OFM-CMG-01-078	b	PCB	1400	720	2200	<200	38400	44600	2400	<50	<200	<100	44400	-
1207	OFM	gear box	CMG	01	E	28	1	Each	#272535 Pangborn Oscillator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1208	OFM	gear box	CMG	01	D	34	1	Each	Verson Press (Buick)	OFM-CMG-01-073	b	-	<1000	<100	<1000	<200	<2000	26800	2900	<50	<200	<100	18900	-
1209	OFM	gear box - over head door	CMG	01	GH	45	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 **See Table 5 for regulatory criteria

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 Saginaw Malleable Iron
 Arcadis
 Saginaw, Michigan
 FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST
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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1210	OFM	gear box	CMG	01	A	48	1	Each	#272087 LSPD Inspection Belt	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1211	OFM	gear box	CMG	01	A	47	1	Each	#272071 Incline Belt	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1212	OFM	gear box	CMG	01	A	43	3	Each	Mag Station	OFM-CMG-01-067	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
1213	OFM	gear box - conveyor drive	CMG	01	A	38	2	Each	On conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1214	OFM	gear box - conveyor drive	CMG	01	A	35	1	Each	On Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1215	OFM	hydraulic pump	CMG	01	A	27	1	Each	#272036 Shot Blast #1	OFM-CMG-01-074	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1216	OFM	gear box	CMG	01	A	27	3	Each	Shot Blast #1	OFM-CMG-01-075	b	-	1000	460	1300	4120	17600	78900	3000	<50	<200	<100	2140000	-
1217	OFM	hydraulic pump	CMG	01	B	27	1	Each	#272541 Shot Blast #2	OFM-CMG-01-074	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1218	OFM	gear box	CMG	01	B	27	3	Each	Shot Blast #2	OFM-CMG-01-075	b	-	<1000	460	1300	4120	17600	78900	3000	<50	<200	<100	2140000	-
1219	OFM	hydraulic pump	CMG	01	B	27	1	Each	Shot Blast #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1220	OFM	gear box	CMG	01	B	27	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1221	OFM	hydraulic pump	CMG	01	C	27	1	Each	#272540 #19 Pangborn	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1222	OFM	gear box	CMG	01	C	27	3	Each	Pangborn #19	OFM-CMG-01-073	b	Cr	<1000	8950	<1000	<200	410000	311000	9800	<50	<200	110	386000	-
1223	OFM	gear box	CMG	01	C	27	3	Each	#272537 Pangborn Shot Blast #20	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1224	OFM	hydraulic pump	CMG	01	C	27	1	Each	Pangborn #20	OFM-CMG-01-080	b	Cr	<1000	11000	2600	<200	590000	452000	4000	<50	<200	160	378000	-
1225	OFM	gear box	CMG	01	C	29	3	Each	#272055 Shot Blast #18	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1226	OFM	hydraulic pump	CMG	01	C	29	1	Each	Shot Blast #18	OFM-CMG-01-081	b	-	<1000	1000	1600	<200	56500	44200	4100	<50	<200	<100	383000	-
1227	OFM	gear box	CMG	01	C	30	3	Each	#272382 Shot Blast #17	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1228	OFM	hydraulic pump	CMG	01	C	30	1	Each	Shot Blast #17	OFM-CMG-01-082	b	-	<1000	640	<1000	<200	41200	28600	<1000	<50	<200	<100	269000	-
1229	OFM	gear box	CMG	01	C	30	3	Each	#272053 Shot Blast # 16	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1230	OFM	hydraulic pump	CMG	01	C	30	1	Each	Shot Blast # 16	OFM-CMG-01-083	b	-	<1000	1260	1500	<200	74900	57000	<1000	<50	<200	<100	435000	-
1231	OFM	gear box	CMG	01	B	20	2	Each	#272522 Cooling System for #2 Draw conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1232	OFM	gear box	CMG	01	A	17	1	Each	Draw #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1233	OFM	hydraulic pump	CMG	01	P	18	1	Each	Draw #3 Conveyor Cooling System	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1234	OFM	gear box	CMG	01	R	16	1	Each	Draw #12	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1235	OFM	gear box	CMG	01	R	15	1	Each	Draw Furnace #12	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1236	OFM	gear box	CMG	01	R	13	1	Each	Draw #12	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1237	OFM	gear box	CMG	01	S	20	2	Each	Cooling conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1238	OFM	gear box	CMG	01	S	17	2	Each	Draw #1	OFM-CMG-01-131	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1239	OFM	gear box	CMG	01	A	17	1	Each	Draw #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240	OFM	hydraulic pump	CMG	01	A	18	1	Each	Draw #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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GENERAL MOTORS CORPORATION
Saginaw Malleable Iron
Saginaw, Michigan
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1241	OFM	compressor	CMG	01	S	20	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1242	OFM	hydraulic pump	CMG	01	S	36	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1243	OFM	gear box	CMG	01	R	43	1	Each	SQC Table Blast	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1244	OFM	gear box - over head door	CMG	01	R	55	1	Each	Door #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1245	OFM	hydraulic pump	CMG	01	R	55	1	Each	Door #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1246	OFM	gear box - over head door	CMG	01	R	54	1	Each	Door #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1247	OFM	hydraulic pump	CMG	01	R	54	1	Each	Door #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1248	OFM	gear box - over head door	CMG	01	R	53	1	Each	Door #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1249	OFM	hydraulic pump	CMG	01	R	53	1	Each	Door #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1250	OFM	hydraulic pump	CMG	01	R	53	1	Each	Door #4	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1251	OFM	gear box - over head door	CMG	01	R	53	1	Each	Door #4	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1252	OFM	gear box - over head door	CMG	01	R	52	1	Each	Door #5	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1253	OFM	hydraulic pump	CMG	01	R	52	1	Each	Door #5	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1254	OFM	hydraulic pump	CMG	01	R	51	1	Each	Door #6	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1255	OFM	gear box - over head door	CMG	01	R	51	1	Each	Door #6	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1256	OFM	hydraulic pump	CMG	01	R	51	1	Each	Door #7	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1257	OFM	gear box - over head door	CMG	01	R	51	1	Each	Door # 7	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1258	OFM	gear box - over head door	CMG	01	T	56	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1259	OFM	gear box	CMG	01	A	55	1	Each	Kiln #16 Kiln Discharge elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1260	OFM	gear box	CMG	01	A	61	1	Each	Kiln #16 Feed	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1261	OFM	gear box	CMG	01	A	61	1	Each	Kiln # 16 Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1262	OFM	gear box	CMG	01	A	55	1	Each	Kiln #15 Discharge elevator	OFM-CMG-01-112	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1263	OFM	gear box	CMG	01	B	55	1	Each	Kiln # 14 Discharge Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1264	OFM	gear box	CMG	01	B	61	1	Each	Kiln #14 Elevator	OFM-CMG-01-112	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1265	OFM	gear box	CMG	01	C	55	1	Each	Kiln #13 Discharge Elevator # 272123	OFM-CMG-01-112	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1266	OFM	gear box	CMG	01	E	60	1	Each	Kiln #12 Feed	OFM-CMG-01-112	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1267	OFM	gear box	CMG	01	E	60	1	Each	Kiln #12 Elevator #272124	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1268	OFM	gear box	CMG	01	H	55	1	Each	Kiln #10 Discharge Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1269	OFM	gear box	CMG	01	K	61	1	Each	Kiln #9 Feed	OVN-CMG-01-119	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1270	OFM	gear box	CMG	01	H	55	2	Each	Shuttle for Kiln	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1271	OFM	gear box	CMG	01	K	51	1	Each	Sort Belt	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1272	OFM	gear box	CMG	01	H	52	1	Each	Jeffrey Drive Hopper #272510	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1273	OFM	gear box	CMG	01	Lm	53	2	Each	Kiln #8 Discharge elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1274	OFM	gear box	CMG	01	Lm	60	1	Each	Kiln #8 Feeder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1275	OFM	gear box	CMG	01	Lm	60	1	Each	Kiln #8 Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1276	OFM	gear box	CMG	01	N	61	1	Each	Kiln #7 Feeder	OVN-CMG-01-119	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1277	OFM	gear box	CMG	01	N	61	1	Each	Kiln #7 Elevator	OVN-CMG-01-119	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1278	OFM	gear box	CMG	01	Lm	56	1	Each	Kiln #8 Conveyor	OVN-CMG-01-120	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1279	OFM	gear box	CMG	01	N	56	1	Each	Kiln #7 Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1280	OFM	gear box	CMG	01	Lm	55	1	Each	Kiln #8 Discharge elevator	OVN-CMG-01-120	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1281	OFM	gear box	CMG	01	N	55	1	Each	Kiln #7 Discharge elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1282	OFM	gear box	CMG	01	P	61	1	Each	Kiln #6 Feeder	OVN-CMG-01-120	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1283	OFM	gear box	CMG	01	P	60	1	Each	Kiln #6 Feeder	OVN-CMG-01-120	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1284	OFM	gear box	CMG	01	P	56	1	Each	Kiln #6 Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1285	OFM	gear box	CMG	01	P	55	1	Each	Kiln #6 Discharge Elevator	OVN-CMG-01-120	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1286	OFM	gear box	CMG	01	Q	55	1	Each	Kiln #5 Discharge Elevator	OVN-CMG-01-120	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1287	OFM	gear box	CMG	01	Q	56	1	Each	Kiln #5 Conveyor	CNV-CMG-01-128	b	PCB	22000	-	-	-	-	-	-	-	-	-	-	-
1288	OFM	gear box	CMG	01	Q	61	1	Each	Kiln #5 Feed	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1289	OFM	gear box	CMG	01	Q	61	1	Each	Kiln #5 elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1290	OFM	gear box	CMG	01	Q	61	1	Each	Kiln #5 Loader	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1291	OFM	gear box	CMG	01	Q	60	1	Each	Kiln #5 Shaker Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1292	OFM	oil reservoir	CMG	01	P	60	1	Each	Kiln #5 oil filled shaft	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1293	OFM	gear box	CMG	01	R	61	1	Each	Kiln #3 Feeder	CNV-CMG-01-128	b	PCB	22000	-	-	-	-	-	-	-	-	-	-	-
1294	OFM	gear box	CMG	01	R	61	1	Each	Kiln #3 Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1295	OFM	gear box	CMG	01	Q	61	1	Each	Kiln #4 Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1296	OFM	gear box	CMG	01	R	54	1	Each	Kiln #3 Discharge Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1297	OFM	gear box	CMG	01	R	59	2	Each	Kiln #2 Conveyor	CNV-CMG-01-128	b	PCB	22000	-	-	-	-	-	-	-	-	-	-	-
1298	OFM	gear box	CMG	01	R	61	1	Each	Kiln #2 Feeder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1299	OFM	gear box	CMG	01	R	61	1	Each	Kiln #2 Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1300	OFM	gear box	CMG	01	R	61	1	Each	Kiln #2 Loader	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1301	OFM	gear box	CMG	01	R	61	1	Each	Kiln #2 Shaker conveyor	CNV-CMG-01-128	b	PCB	22000	-	-	-	-	-	-	-	-	-	-	-
1302	OFM	oil reservoir	CMG	01	R	61	1	Each	Kiln #2 oil filled shaft	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 **See Table 5 for regulatory criteria

GENERAL MOTORS CORPORATION
Saginaw Malleable Iron
Saginaw, Michigan

FACILITY ENVIRONMENTAL ASSESSMENT
TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1303	OFM	gear box	CMG	01	R	61	2	Each	Kiln #1 Conveyor	CNV-CMG-01-128	b	PCB	22000	-	-	-	-	-	-	-	-	-	-	-
1304	OFM	gear box	CMG	01	R	54	1	Each	Kiln #2 Conveyor Discharge Pusher	CNV-CMG-01-128	b	PCB	22000	-	-	-	-	-	-	-	-	-	-	-
1305	OFM	gear box	CMG	01	S	55	1	Each	Kiln #1 Discharge Conveyor	CNV-CMG-01-128	b	PCB	22000	-	-	-	-	-	-	-	-	-	-	-
1306	OFM	gear box	CMG	01	S	55	1	Each	Kiln #1 Discharge Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1307	OFM	gear box	CMG	01	S	61	1	Each	Kiln #1 Feeder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1308	OFM	gear box	CMG	01	S	61	1	Each	Kiln #1 Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1309	OFM	gear box	CMG	01	S	61	1	Each	Kiln #1 Loader	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1310	OFM	gear box	CMG	01	S	61	1	Each	Kiln #1 Shaker	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1311	OFM	oil reservoir	CMG	01	S	61	1	Each	Kiln #12 Shaker Conveyor Shaft	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1312	OFM	hydraulic pump	CMG	01	S	54	1	Each	#272168 Chromalox oil pump	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1313	OFM	oil reservoir	CMG	01	R	53	4	Each	Kiln #1 Chromalox Quench Oil Agitator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1314	OFM	oil reservoir	CMG	01	P	53	1	Each	Draw #2 oil agitator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1315	OFM	gear box	CMG	01	P	53	1	Each	Draw #2 Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1316	OFM	gear box	CMG	01	R	53	1	Each	Draw #1 Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1317	OFM	hydraulic pump	CMG	01	R	53	1	Each	Draw #2 Chromalox Quench Oil Agitator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1318	OFM	hydraulic pump	CMG	01	P	51	4	Each	Draw #3 Chromalox Quench Oil Agitator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1319	OFM	gear box	CMG	01	P	51	1	Each	Draw #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1320	OFM	gear box	CMG	01	P	51	1	Each	Draw #3 Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1321	OFM	hydraulic pump	CMG	01	P	51	1	Each	Draw #3 Chromalox Quench Oil Agitator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1322	OFM	oil reservoir	CMG	01	P	18	1	Each	Draw #3 Discharge Conveyor Lubricator	OFM-CMG-01-130	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1323	OFM	oil reservoir	CMG	01	R	18	1	Each	Draw #2 Discharge Conveyor Lubricator	OFM-CMG-01-130	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1324	OFM	oil reservoir	CMG	01	S	18	1	Each	Draw #1 discharge Conveyor Lubricator	OFM-CMG-01-130	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1325	OFM	hydraulic pump	CMG	01	S	67	1	Each	#272332 Press	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1326	OFM	hydraulic pump	CMG	01	R	68	2	Each	Hydraulic Oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1327	OFM	gear box - over head door	CMG	01	R	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1328	OFM	overhead crane	CMG	01	R	65	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1329	OFM	gear box	CMG	01	P	67	1	Each	Throw off belt conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1330	OFM	gear box	CMG	01	P	69	1	Each	Throw off Belt conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1331	OFM	gear box - conveyor drive	CMG	01	K	69	1	Each	Conveyor HIR Unit Cross Belt	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1332	OFM	gear box	CMG	01	D	69	1	Each	Belt conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1333	OFM	gear box - over head door	CMG	01	E	70	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 GENERAL MOTORS CORPORATION
 Saginaw Malleable Iron
 Saginaw, Michigan
 FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1334	OFM	gear box	CMG	01	A	70	1	Each	On rack	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1335	OFM	oil reservoir	CMG	01	T	64	1	Each	Fire Truck	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1336	OFM	gear box	CMG	01	L	16	1	Each	Equipment Storage #272035	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1337	OFM	gear box	CMG	01	L	19	2	Each	Parts storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1338	OFM	gear box	CMG	01	P	20	3	Each	Parts storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1339	OFM	gear box	CMG	01	R	21	1	Each	New, parts storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1340	OFM	oil reservoir	CMG	01	N	21	1	Each	Pipe threading machine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1341	OFM	gear box	CMG	01	N	22	1	Each	Parts storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1342	OFM	gear box	CMG	01	M	22	1	Each	Parts storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1343	OFM	gear box	CMG	01	M	23	1	Each	Overhead hoist in storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1344	OFM	oil reservoir	CMG	01	L	21	1	Each	Hydraulic unit portable, no pump	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1345	OFM	gear box - over head door	CMG	01	H	25	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1346	OFM	gear box	CMG	01	H	27	3	Each	Pangborn Shot Blast #272533	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1347	OFM	gear box	CMG	01	H	27	3	Each	Pangborn Shot Blast #272531	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1348	OFM	gear box - conveyor drive	CMG	01	H	28	2	Each	Shot Blast parts conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1349	OFM	press	CMG	01	GH	32	1	Each	Version out of service (AMC)	OFM-CMG-01-070	w	-	1.5	-	-	-	-	-	-	-	-	-	-	-
1350	OFM	press	CMG	01	GH	33	1	Each	HPM Press out of service	OFM-CMG-01-071	w	PCB	90	-	-	-	-	-	-	-	-	-	-	-
1351	OFM	gear box - conveyor drive	CMG	01	GH	35	1	Each	Scrap Belt Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1352	OFM	press	CMG	01	GH	38	1	Each	Out of service	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1353	OFM	oil reservoir	CMG	01	GH	43	1	Each	Portable hydraulic unit parts	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1354	OFM	gear box	CMG	01	GH	43	1	Each	Band saw gearbox #272355	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1355	OFM	gear box - over head door	CMG	01	GH	45	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1356	OFM	broach	CMG	01	C	42	1	Each	#7 Chain Broach #272409	OFM-CMG-01-066	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1357	OFM	gear box - conveyor drive	CMG	01	C	42	1	Each	#7 Chain Broach belt conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1358	OFM	gear box - conveyor drive	CMG	01	C	42	1	Each	#7 Chain Broach Magnetic conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1359	OFM	oil reservoir	CMG	01	C	42	1	Each	#7 Chain Broach cutting fluid tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1360	OFM	oil reservoir	CMG	01	C	42	1	Each	#7 Chain Broach machine base	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1361	OFM	broach	CMG	01	C	42	1	Each	#8 Chain Broach #272713	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1362	OFM	gear box - conveyor drive	CMG	01	C	42	1	Each	#8 Chain Broach belt conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1363	OFM	oil reservoir	CMG	01	C	42	1	Each	#8 Chain Broach machine base	FM-CMG-01-066	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1364	OFM	oil reservoir	CMG	01	C	42	1	Each	#8 Chain Broach cutting fluid tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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GENERAL MOTORS CORPORATION
Saginaw Malleable Iron
Saginaw, Michigan
FACILITY ENVIRONMENTAL ASSESSMENT

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TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1365	OFM	broach	CMG	01	C	42	1	Each	#9 Chain Broach #272708	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1366	OFM	oil reservoir	CMG	01	C	41	1	Each	#9 Chain Broach machine base	FM-CMG-01-066	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1367	OFM	broach	CMG	01	C	40	1	Each	#10 Chain Broach #272704	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1368	OFM	gear box - conveyor drive	CMG	01	C	40	1	Each	#10 Chain Broach belt conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1369	OFM	gear box - conveyor drive	CMG	01	C	40	1	Each	#10 Chain Broach magnetic conveyor #272736	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1370	OFM	oil reservoir	CMG	01	C	40	1	Each	#10 Chain Broach machine base	OFM-CMG-01-065	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1371	OFM	oil reservoir	CMG	01	C	40	1	Each	#10 Chain Broach cutting fluid system	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1372	OFM	broach	CMG	01	C	39	1	Each	#11 Chain Broach #272698	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1373	OFM	hydraulic pump	CMG	01	C	39	1	Each	#11 Chain Broach	FM-CMG-01-065	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1374	OFM	gear box - conveyor drive	CMG	01	C	39	1	Each	#11 Chain Broach belt conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1375	OFM	oil reservoir	CMG	01	C	39	1	Each	#11 Chain Broach machine base	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1376	OFM	oil reservoir	CMG	01	C	39	1	Each	#11 Chain Broach Cutting fluid system	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1377	OFM	oil reservoir	CMG	01	A	38	1	Each	Broach Coolant filter system #272695	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1378	OFM	broach	CMG	01	C	37	1	Each	#12 Chain Broach #272691	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1379	OFM	hydraulic pump	CMG	01	C	37	1	Each	#12 Chain Broach #272692 Hydraulic drive	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1380	OFM	gear box - conveyor drive	CMG	01	C	37	1	Each	#12 Chain Broach magnetic conveyor #272733	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1381	OFM	gear box - conveyor drive	CMG	01	C	37	1	Each	#12 Chain Broach belt conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1382	OFM	oil reservoir	CMG	01	C	37	1	Each	#12 Chain Broach machine base	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1383	OFM	oil reservoir	CMG	01	C	37	1	Each	#12 Chain Broach cutting fluid system	PMI Broach coolant	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1384	OFM	gear box	CMG	01	A	27	1	Each	#272543	OFM-CMG-01-075	b	-	<1000	460	1300	4120	17600	78900	3000	<50	<200	<100	2140000	-
1385	OFM	hydraulic pump	CMG	01	A	27	1	Each	#272543	OFM-CMG-01-074	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1386	OFM	gear box	CMG	01	H	27	1	Each	#272531 Blast #24	OFM-CMG-01-076	b	Cr	<1000	4100	3200	<200	280000	151000	8800	63	<200	<100	320000	-
1387	OFM	press	CMG	01	Gh	32	1	Each	Verson Press (Pontiac)	OFM-CMG-01-072	b	-	<1000	<100	1600	910	3200	65700	7300	<50	<200	<100	39200	-
1388	OFM	gear box	CMG	01	C	47	1	Each	#272409 - LSPD-2 Process Belt	OFM-CMG-01-068	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
1389	OFM	gear box	CMG	01	A	48	1	Each	#272074 - LSPD1 Process Belt	OFM-CMG-01-069	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
1390	OFM	gear box	CMG	01	P	62	1	Each	#272121 pack feeder for #5 Kiln tray	OFM-CMG-01-127	w	-	1	-	-	-	-	-	-	-	-	-	-	-
1391	OFM	gear box - conveyor drive	CMG	01	S	18	1	Each	#272512 - #1 Draw belt conveyor sort belt swing	OFM-CMG-01-131	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1392	OFM	oil reservoir	CMG	01	X	X	1	Each	Power & Free Conveyor lubricators - A, B, C	OFM-CMG-01-154	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1393	OFM	oil reservoir	CMG	01	R	53	1	Each	Direct Oil Quench #1	PMI #1 Direct Quench	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1394	OFM	oil reservoir	CMG	01	Q	53	1	Each	Direct Oil Quench #2	PMI #2 Direct Quench	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1395	OFM	oil reservoir	CMG	01	P	53	1	Each	Direct Oil Quench #3	PMI #3 Direct Quench	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-

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GENERAL MOTORS CORPORATION
Saginaw Malleable Iron
Saginaw, Michigan
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1396	OFM	overhead crane	CMG	02	N5	68	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1397	OFM	gear box - conveyor drive	CMG	02	H.5	69	1	Each	HIR unit Mill Belt	OFM-CMG-02-107	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1398	OFM	gear box - conveyor drive	CMG	0R	F	13	1	Each	Old conveyor system gear drive - East side in conveyor enclosure	OFM-CMG-OR-150	w	PCB	25	-	-	-	-	-	-	-	-	-	-	-
1399	OFM	overhead crane	CMG	OR	R	40	1	Each	Sub J	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1400	OFM	overhead crane	CMG	OR	Fg	27	1	Each	Sub G	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1401	OFM	overhead crane	CMG	OR	X	X	2	Each	Throughout power & free conveyor enclosure	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1402	OFM	overhead crane	CMG	OR	E	19	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1403	OFM	gear box - conveyor drive	CMG	OR	R	50	1	Each	Power and Free	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1404	OFM	oil reservoir	EAD	1	D	7	1	Each	#272586 Giddings & Lewis	OFM-EAD-01-138	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1405	OFM	gear box - over head door	EAD	01	B	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1406	OFM	gear box - over head door	EAD	01	B	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1407	OFM	gear box	EAD	01	E	2	2	Each	#272606 Fosdick Drill Press	OFM-EAD-01-140	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1408	OFM	oil reservoir	EAD	01	E	10	1	Each	#272606 Machine base cutting oil	OFM-EAD-01-139	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1409	OFM	gear box	EAD	01	E	10	2	Each	#272605 Cincinnati Vertical Mill	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1410	OFM	oil reservoir	EAD	01	E	10	1	Each	#272605 Cincinnati Vert Mill Mach base cutting oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1411	OFM	overhead crane	EAD	01	D	10	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1412	OFM	gear box	EAD	01	D	2	1	Each	#272601 ?D L&S Lathe	OFM-EAD-01-142	w	-	2.2	-	-	-	-	-	-	-	-	-	-	-
1413	OFM	hydraulic pump	EAD	01	B	7	1	Each	#272569 Auto Milling Machine	OFM-EAD-01-140	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1414	OFM	oil reservoir	EAD	01	B	7	1	Each	#272569 Auto Milling Machine	OFM-EAD-01-140	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1415	OFM	gear box	EAD	01	B	7	1	Each	#272569 Auto Milling Machine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1416	OFM	gear box	EAD	01	B	7	1	Each	Band saw	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1417	OFM	oil reservoir	EAD	01	B	7	1	Each	Band saw Machine base cutting fluid	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1418	OFM	gear box	EAD	01	C	6	3	Each	#272568 CNC Mach	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1419	OFM	oil reservoir	EAD	01	C	6	1	Each	#272568 CNC Mach cutting fluid	OFM-EAD-01-139	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1420	OFM	hydraulic pump	EAD	01	C	6	1	Each	#272568 CNC Mach hydraulic unit	OFM-EAD-01-138	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1421	OFM	pallet mover	EAD	01	C	4	1	Each	Hydraulic lift manual	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1422	OFM	gear box - over head door	EAD	01	D	4	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1423	OFM	hydraulic pump	EAD	01	E	4	1	Each	#272556 Surface Grinder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1424	OFM	gear box	EAD	01	E	4	2	Each	#272556 Surface Grinder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1425	OFM	oil reservoir	EAD	01	E	4	1	Each	Cutting fluid	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1426	OFM	gear box	EAD	01	E	5	2	Each	#GM40892 Jet Lathe	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1427	OFM	oil reservoir	EAD	01	E	5	1	Each	#GM40892 Jet Lathe cutting fluid	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1428	OFM	gear box	EAD	01	E	3	3	Each	#272560 Bridgeport Mill #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1429	OFM	gear box	EAD	01	E	4	1	Each	#GM17497 Grinder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1430	OFM	oil reservoir	EAD	01	E	9	1	Each	#272608 M/M Key Seater	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1431	OFM	oil reservoir	EAD	01	D	9	1	Each	Bridgeport	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1432	OFM	hydraulic pump	EAD	01	D	9	1	Each	#272602 Enerpac	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1433	OFM	oil reservoir	EAD	01	C	9	1	Each	#272599 Carlton Radial Drill	OFM-EAD-01-143	w	-	7	-	-	-	-	-	-	-	-	-	-	-
1434	OFM	oil reservoir	EAD	01	B	9	1	Each	Walter Helitronic	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1435	OFM	oil reservoir	EAD	01	B	9	1	Each	B&S Surface Grinder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1436	OFM	gear box	EAD	01	C	10	1	Each	#272600 Colburn	OFM-EAD-01-140	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1437	OFM	oil reservoir	EAD	01	C	10	1	Each	Colburn	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1438	OFM	gear box	EAD	01	B	8	1	Each	Blanchard	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1439	OFM	oil reservoir	EAD	01	B	8	1	Each	Blanchard	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1440	OFM	gear box	EAD	01	C	8	1	Each	#272591 American Lathe	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1441	OFM	gear box	EAD	01	D	8	1	Each	#272590 LeBlonde Lathe	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1442	OFM	gear box	EAD	01	D	8	1	Each	#272598 LeBlonde Long bed Lathe	OFM-EAD-01-140	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1443	OFM	gear box	EAD	01	D	8	1	Each	#272588 LeBlonde lathe	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1444	OFM	band saw	EAD	01	E	7	1	Each	#272578	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1445	OFM	hydraulic pump	EAD	01	D	7	2	Each	#272582 Okuma Lathe	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1446	OFM	gear box	EAD	01	D	7	1	Each	Okuma Lathe	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1447	OFM	oil reservoir	EAD	01	D	7	1	Each	Giddings & Lewis	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1448	OFM	gear box	EAD	01	D	7	1	Each	Giddings & Lewis	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1449	OFM	gear box	EAD	01	D	6	1	Each	Bohner & Kohle	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1450	OFM	gear box	EAD	01	D	6	1	Each	#272585 Kearney & Trecher	OFM-EAD-01-138	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1451	OFM	oil reservoir	EAD	01	D	6	1	Each	Kearney & Trecher	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1452	OFM	elevator	EAD	01	B	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1453	OFM	oil reservoir	EAD	01	C	5	1	Each	Sharno Miller	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1454	OFM	gear box	EAD	01	C	5	1	Each	Sharno Miller	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1455	OFM	oil reservoir	EAD	01	C	5	1	Each	Bridgeport	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1456	OFM	gear box - over head door	EAD	01	B	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1457	OFM	gear box - over head door	EAD	01	E	14	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1458	OFM	hydraulic pump	EAD	01	C	14	1	Each	Dock Leveler	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1459	OFM	gear box - over head door	EAD	01	C	14	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1460	OFM	oil reservoir	EAD	01	B	14	1	Each	Emergency fire pump	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1461	OFM	lathe	EAD	01	D	8	1	Each	#272589 Lathe	OFM-EAD-01-141	w	-	0.8	-	-	-	-	-	-	-	-	-	-	-
1462	OFM	oil reservoir	EAD	01	C	5	1	Each	#272565 Bridgeport	OFM-EAD-01-138	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1463	OFM	oil reservoir	EAD	01	B	9	1	Each	#272598 Walter Helitronic	OFM-EAD-01-140	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1464	OFM	gear box	EAD	02	D	12	3	Each	Parts storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1465	OFM	overhead crane	EAD	02	C	11	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1466	OFM	gear box	EAD	02	C	10	1	Each	Parts storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1467	OFM	compressor	EAD	02	B	4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1468	OFM	gear box	EAD	02	E	8	1	Each	Overhead crane	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1469	OFM	compressor	LNA	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1470	OFM	hydraulic pump	LRM	01	A	1	1	Each	Storage small hydraulic unit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1471	OFM	hydraulic pump	LRM	01	A	1	1	Each	Storage Large Hydraulic unit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1472	OFM	pallet mover	LRM	01	A	1	4	Each	Presto manual lifts	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1473	OFM	overhead crane	MFG	1	Throughou t	Throughou t	9	Each	7-ton cranes for transporting ladles	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1474	OFM	gear box - over head door	MFG	01	B	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1475	OFM	oil reservoir	MFG	01	E	18	1	Each	#FE0006131 IR Compressor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1476	OFM	oil reservoir	MFG	01	E	18	1	Each	#FE000612 IR Compressor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1477	OFM	press	MFG	01	D	15	1	Each	#272303	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1478	OFM	lift table	MFG	01	C	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1479	OFM	gear box - conveyor drive	MFG	01	A	21	1	Each	62' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1480	OFM	gear box - conveyor drive	MFG	01	A	29	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1481	OFM	oil reservoir	MFG	01	C	31	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1482	OFM	overhead crane	MFG	01	A	32	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1483	OFM	gear box - conveyor drive	MFG	01	B	26	1	Each	#272447 Mold handling cooling conveyor drive	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1484	OFM	hydraulic pump	MFG	01	B	25	1	Each	#272456 Cope machine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1485	OFM	hydraulic pump	MFG	01	B	26	1	Each	#272469 Kiln Belt Grinder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1486	OFM	hydraulic pump	MFG	01	D	22	1	Each	FATA Aluminum Sand System	OFM-MFG-01-149	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
1487	OFM	overhead crane	MFG	01	D	22	1	Each	FATA Aluminum Sand System	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1488	OFM	compressor	MFG	01	D	22	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1489	OFM	generator	MFG	01	E	27	1	Each	Portable unit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1490	OFM	gear box - conveyor drive	MFG	01	E	36	1	Each	Old abandoned gear box on incline	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1491	OFM	gear box - conveyor drive	MFG	01	Gb	0.7	1	Each	Power & Free Conveyor Gear Box	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1492	OFM	gear box - conveyor drive	MFG	01	C	50	1	Each	Power & Free Conveyor Gear Box	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1493	OFM	gear box - conveyor drive	MFG	01	C	30	1	Each	Power & Free Conveyor Gear Box	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1494	OFM	gear box - conveyor drive	MFG	01	R	5	1	Each	Power & Free Conveyor Gear Box	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1495	OFM	oil reservoir	MFG	01	C	30	1	Each	Chain Lubricator for P&F Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1496	OFM	oil reservoir	MFG	01	C	50	1	Each	Chain Lubricator for P&F Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1497	OFM	oil reservoir	MFG	01	Gb	0.7	1	Each	Chain Lubricator for P&F Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1498	OFM	gear box	MFG	01	Hb	0.4	4	Each	On rack	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1499	OFM	gear box	MFG	01	A	8	5	Each	Located in the building know as the "Heal"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1500	OFM	gear box - over head door	MFG	01	Ja	15.8	1	Each	Cooling Tower Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1501	OFM	gear box	MFG	01	Fb	14.4	1	Each	Liquid Drive - Air Pollution Control System	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1502	OFM	gear box	MFG	01	Ja	14.4	1	Each	Liquid Drive - APCS	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1503	OFM	gear box	MFG	01	Kb	14.4	1	Each	Liquid Drive - APCS	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1504	OFM	gear box	MFG	01	Lb	14.4	1	Each	Liquid Drive - APCS	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1505	OFM	gear box - over head door	MFG	01	Lb	14.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1506	OFM	gear box - over head door	MFG	01	AD	0.02	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1507	OFM	gear box	MFG	01	AD	0.29	1	Each	Return sand elevator	OFM-MFG-01-207	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1508	OFM	gear box	MFG	01	AD	0.02	1	Each	Prepared sand elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1509	OFM	gear box	MFG	01	Dc	0.29	2	Each	#272837 Rotary Blending Drum	OFM-MFG-01-207	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1510	OFM	gear box	MFG	01	Dc	0.29	1	Each	Drum Feed Belt	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1511	OFM	gear box	MFG	01	Cc	0.29	2	Each	Shake off belt	OFM-MFG-01-207	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1512	OFM	overhead crane	MFG	01	Ab	0.27	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1513	OFM	gear box	MFG	01	Ad	0.27	1	Each	Return Sand Elevator Belt	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1514	OFM	gear box	MFG	01	D	0.29	1	Each	Shake out conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1515	OFM	gear box	MFG	01	H	0.29	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1516	OFM	gear box	MFG	01	D	0.29	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1517	OFM	gear box - over head door	MFG	01	A	13	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1518	OFM	compressor	MFG	01	B	13	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1519	OFM	hydraulic pump	MFG	01	A	13.1	1	Each	#272639 Enerpac press	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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1520	OFM	band saw	MFG	01	A	13.1	1	Each	#272641 band saw	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1521	OFM	gear box	MFG	01	F	13.1	1	Each	#272646 Sand Transfer Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1522	OFM	hydraulic pump	MFG	01	H	13.1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1523	OFM	hydraulic pump	MFG	01	J	14	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1524	OFM	hydraulic pump	MFG	01	F	13.1	2	Each	Sutter	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1525	OFM	overhead crane	MFG	01	Aa	5.2	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1526	OFM	hydraulic pump	MFG	01	Aa	8.9	1	Each	Melting Furnace Line 2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1527	OFM	gear box	MFG	01	Aa	8.9	1	Each	Melting Furnace Line 2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1528	OFM	overhead crane	MFG	01	Aa	7.6	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1529	OFM	overhead crane	MFG	01	B	40	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1530	OFM	hydraulic pump	MFG	01	B	40	1	Each	#272104 cope mold machine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1531	OFM	hydraulic pump	MFG	01	D	40	1	Each	#272242 Drag Mold Machine	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1532	OFM	gear box	MFG	01	D	40	1	Each	#272250 Drag Mold Shuttle	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1533	OFM	hydraulic pump	MFG	01	D	39	1	Each	On floor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1534	OFM	gear box	MFG	01	D	39	1	Each	On floor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1535	OFM	hydraulic pump	MFG	01	D	38	1	Each	Case Cavity Dunetest	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1536	OFM	hydraulic pump	MFG	01	D	38	1	Each	On floor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1537	OFM	overhead crane	MFG	01	Ea	4.5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1538	OFM	gear box	MFG	01	Ea	18.5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1539	OFM	generator	MFG	01	Jo	7.6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1540	OFM	oil reservoir	MFG	01	Jo	7.6	1	Each	Generator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1541	OFM	gear box	MFG	01	Ka	0.5	1	Each	Capacitor Room B - Transformer Room gear box for transformer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1542	OFM	gear box	MFG	01	E	32	10	Each	On racks	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1543	OFM	gear box	MFG	01	E	33	3	Each	On racks	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1544	OFM	gear box - over head door	MFG	01	Fb	11.7	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1545	OFM	gear box - over head door	MFG	01	Ja	0.1	1	Each	West end of capacitor room bay	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1546	OFM	gear box - over head door	MFG	01	Na	0.3	2	Each	Doorways to 10T crane bay	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1547	OFM	gear box - over head door	MFG	01	La	0.0	2	Each	South end of 10T crane bay	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1548	OFM	hydraulic pump	MFG	01	Ma	10.4	4	Each	Hydraulic cylinders on floor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1549	OFM	gear box	MFG	01	Fb	14.4	1	Each	Gear Box for fan 1, 2, 3, 5 - Emissions Room	OFM-MFG-01-088	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1550	OFM	hydraulic pump	MFG	01	B	22	1	Each	All hydraulic units composited on lower level - VAC Line	OFM-MFG-01-091	h	-	<1000	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1551	OFM	gear box	MFG	01	Na	3	1	Each	South Side, Center of 10-Ton crane bay	OFM-MFG-01-105	b	Pb	<1000	5130	107000	5440	78400	214000	403000	357	380	260	910000	-
1552	OFM	gear box	MFG	01	N.5	69	1	Each	HIR Unit sprue throw off, load, cross & mill belts	OFM-CMG-02-107	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1553	OFM	gear box - conveyor drive	MFG	01	B	27	1	Each	VAC mold handling & cooling conveyor	OFM-MFG-01-109	w	-	1.2	-	-	-	-	-	-	-	-	-	-	-
1554	OFM	compressor	MFG	01	E	17	1	Each	XLE Compressor #3 in powerhouse	OFM-MFG-01-145	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
1555	OFM	compressor	MFG	01	E	18	1	Each	GE Compressor # FF0006131	OFM-MFG-01-146	w	-	0.6	-	-	-	-	-	-	-	-	-	-	-
1556	OFM	compressor	MFG	01	E	18	1	Each	Joy compressor #4 - #FF0006119	OFM-MFG-01-147	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
1557	OFM		MFG	01	E	17	1	Each	XLE Compressor #2	OFM-MFG-01-148	w	-	1.5	-	-	-	-	-	-	-	-	-	-	-
1558	OFM	overhead crane	MFG	01	Na	0.1	1	Each	10-Ton crane gear box, west end	OFM-MFG-01-153	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1559	OFM	hydraulic pump	MFG	01	D	40	1	Each	Oil sample hydraulic pump	OFM-MFG-01-169	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1560	OFM	gear box	MFG	01	D	40	1	Each	Line #2 drag mold machine	OFM-MFG-01-170	w	-	2	-	-	-	-	-	-	-	-	-	-	-
1561	OFM	gear box	MFG	01	E	13.1	1	Each	Wipe of equipment in isoset area	OFM-MFG-01-181	w	-	1	-	-	-	-	-	-	-	-	-	-	-
1562	OFM	elevator	MFG	01	Jb	13	1	Each	SO2 Core Machine	OFM-MFG-01-182	w	-	1	-	-	-	-	-	-	-	-	-	-	-
1563	OFM	gear box - conveyor drive	MFG	01	A	24	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1564	OFM	gear box - conveyor drive	MFG	01	A	26	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1565	OFM	hydraulic pump	MFG	01	B	31	1	Each	Melting Furnace #4 Sand Line	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1566	OFM	gear box	MFG	01	B	30	1	Each	Gibb Crane	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1567	OFM	hydraulic pump	MFG	01	B	30	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1568	OFM	hydraulic pump	MFG	01	B	28	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1569	OFM	<enter new item>	MFG	01	B	26	1	Each	#272454 Drag Mach	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1570	OFM	gear box	MFG	01	Ba	10	1	Each	Dust collector discharge	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1571	OFM	gear box	MFG	02	No	8.4	1	Each	Used gearbox storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1572	OFM	gear box	MFG	02	No	5.2	1	Each	Cement mixer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1573	OFM	gear box	MFG	02	Fc	.23	1	Each	#1 Muller	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1574	OFM	gear box	MFG	02	Fc	.23	1	Each	#2 Muller	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1575	OFM	hydraulic pump	MFG	02	B	29	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1576	OFM	gear box - conveyor drive	MFG	02	Ac	?D .20	1	Each	Line #1 Magnetic belt	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1577	OFM	gear box - conveyor drive	MFG	02	Ao	D? .20	1	Each	D? Line 1 Rotary Drum Dist Belt	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1578	OFM	oil reservoir	MFG	02	Ja	10.4	1	Each	Portable gas powered pump	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1579	OFM	oil reservoir	MFG	02	Ja	10.4	1	Each	Swisher oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1580	OFM	oil reservoir	MFG	02	Ja	10.4	1	Each	Mobile Gas Powered Equipment	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1581	OFM	hydraulic pump	MFG	02	Ja	8.9	1	Each	Melting furnace #4	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1582	OFM	gear box	MFG	02	Ja	7.6	9	Each	charge bucket	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1583	OFM	gear box	MFG	02	Ja	7.6	2	Each	Y traverse Cranes	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1584	OFM	gear box	MFG	02	Ja	7.6	14	Each	X traverse cranes	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1585	OFM	hydraulic pump	MFG	02	Ao	7.6	3	Each	In bowling alley. Known PCB Contaminants	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1586	OFM	gear box	MFG	02	Ec	0.5	6	Each	Mold #1 plate sweep	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1587	OFM	gear box	MFG	02	Ec	0.5	3	Each	Drag pickup #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1588	OFM	hydraulic pump	MFG	02	Ec	0.5	1	Each	Drag pickup #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1589	OFM	hydraulic pump	MFG	02	J	0.39	1	Each	Line #1 Separator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1590	OFM	gear box	MFG	02	Aa	0.2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1591	OFM	gear box	MFG	02	Aa	0.2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1592	OFM	gear box	MFG	02	G	0.27	1	Each	Cope "K" Closer #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1593	OFM	gear box	MFG	02	G	0.27	1	Each	Cope "C" Roller #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1594	OFM	hydraulic pump	MFG	02	F	13.1	4	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1595	OFM	gear box	MFG	02	D	40	1	Each	Line #2 blending drum	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1596	OFM	gear box	MFG	02	D	40	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1597	OFM	gear box	MFG	02	D	41	1	Each	Lin #2 sand elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1598	OFM	gear box - conveyor drive	MFG	02	D	41	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1599	OFM	hydraulic pump	MFG	02	D	37	1	Each	Sand Line #2 pump room	OFM-MFG-02-169	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1600	OFM	gear box	MFG	02	Ja	2.0	1	Each	Pre heat charge bucket	OFM-MFG-02-173	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
1601	OFM	gear box	MFG	02	F	0.27	1	Each	Sand Line 1 Muller 1 & 2	OFM-MFG-02-178	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1602	OFM	gear box	MFG	02	F	0.27	1	Each	Drag Belt B-1 & C-1	OFM-MFG-02-178	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1603	OFM	gear box	MFG	02	G	0.27	1	Each	Debris on Cope "R" punch out	OFM-MFG-02-179	b	Cu	<1000	840	7600	<200	7500	4000000	1900	<50	<500	<200	118000	-
1604	OFM	oil reservoir	MFG	02	B	26	1	Each	Vac Line Hyd Sys	PMI Vac Hydro	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1605	OFM	oil reservoir	MFG	03	Ho	0.1	1	Each	#272978 P&F Conv 6 lubricator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1606	OFM	oil reservoir	MFG	03	Ho	0.1	1	Each	P&F Conv ? Lubricator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1607	OFM	oil reservoir	MFG	03	Fb	0.2	1	Each	Furnace #1 Hydraulic room	PMI #1 Induction Furnace Hyd	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1608	OFM	gear box - conveyor drive	MFG	03	Jo	0.3	1	Each	Trim Deck ?D Pan Conv	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1609	OFM	gear box	MFG	03	C	6.2	1	Each	Sand Line #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1610	OFM	gear box	MFG	03	E	62	2	Each	Sand Line #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1611	OFM	gear box	MFG	03	C	5.2	1	Each	Sand Line #2 Blending Drum	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1612	OFM	hydraulic pump	MFG	03	Fb	6.2	1	Each	Furnace #3 hydraulic room	OFM-MFG-03-202	b	-	500	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1613	OFM	hydraulic pump	MFG	03	Fb	8.9	1	Each	Furnace #4 Hydraulic room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1614	OFM	gear box	MFG	03	Ja	4.5	1	Each	#273394 Trim Deck Conveyor to Pre Heat B	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1615	OFM	gear box	MFG	03	Ja	7.6	1	Each	#272774 Trim Deck Conveyor to Pre Heat C	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1616	OFM	gear box	MFG	03	D	41	2	Each	Line #2 shakeout and side gate	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1617	OFM	gear box	MFG	03	D	41	2	Each	Line #2 Drag Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1618	OFM	overhead crane	MFG	03	D	41	1	Each	Line #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1619	TRA	switchgear	MFG	03	A	34	1	Each	Substation "C"	TRA-CMG-0R-001	w	PCB	30	-	-	-	-	-	-	-	-	-	-	-
1620	OFM	oil reservoir	MFG	03	Fb	3.0	1	Each	Furnace #2 Hydraulic System (Was Furnace #3)	PMI #2 Induction Furnace Hyd	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1621	OFM	oil reservoir	MFG	03	Fb	6.2	1	Each	Furnace #3 Hydraulic System (Was Furnace #4)	PMI #3 Induction Furnace Hyd	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1622	OFM	oil reservoir	MFG	03	Fb	8.9	1	Each	Furnace #4 Hydraulic System (Was Furnace #5)	PMI #4 Induction Furnace Hyd	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1623	OFM	gear box - conveyor drive	MFG	04	H	.09	1	Each	Mold Line #1 ?D Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1624	OFM	overhead crane	MFG	04	A	1	2	Each	10-ton cranes	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1625	OFM	gear box	MFG	04	A	1	4	Each	10-ton overhead cranes	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1626	OFM	gear box - conveyor drive	MFG	04	H	0.27	1	Each	Conveyor - cope prepared sand line 1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1627	OFM	gear box	MFG	04	D	0.27	1	Each	Prepared sand cross belt	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1628	OFM	gear box	MFG	04	Bd	0.09	1	Each	Line 1 prepared sand feed belt	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1629	OFM	hydraulic pump	MFG	04	D	0.27	4	Each	Hydraulic Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1630	OFM	gear box	MFG	04	D	41	1	Each	Line #2 shakeout	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1631	OFM	overhead crane	MFG	04	D	41	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1632	OFM	hydraulic pump	MFG	04	Aa	3.0	1	Each	Pump in Hydraulic Room - Bowling Alley	OFM-MFG-04-175	w	PCB	10	-	-	-	-	-	-	-	-	-	-	-
1633	OFM	gear box	MFG	04	G	0.27	1	Each	Prepared sand cross belt	OFM-MFG-04-176	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1634	OFM	gear box	MFG	04	C	0.06	1	Each	-	OFM-MFG-04-176	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1635	OFM	oil reservoir	MFG	04	Aa	3.0	1	Each	Pump in Hydraulic Room - Bowling Alley	PMI Rotopour West	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1636	OFM	oil reservoir	MFG	04	Aa	3.0	1	Each	Pump in Hydraulic Room - Bowling Alley	PMI Rotopour Center	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1637	OFM	oil reservoir	MFG	04	Aa	3.0	1	Each	Pump in Hydraulic Room - Bowling Alley	PMI Rotopour East	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1638	OFM	oil reservoir	MFG	04	G	.27	1	Each	Mold Line #1 Hyd Room	PMI #1 Line #1 Drag Hyd Pump	b	PCB	<30000	-	-	-	-	-	-	-	-	-	-	-
1639	OFM	oil reservoir	MFG	04	G	.27	1	Each	Mold Line #1 Hyd Room	PMI #1 Line #2 Drag Hyd Pump	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1640	OFM	oil reservoir	MFG	04	G	.27	1	Each	Mold Line #1 Hyd Room	PMI #1 Line #1 Cope Hyd Pump	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1641	OFM	oil reservoir	MFG	04	G	.27	1	Each	Mold Line #1 Hyd Room	PMI #1 Line #2 Cope Hyd Pump	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1642	OFM	gear box	MFG	05	D	41	3	Each	Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1643	OFM	overhead crane	MFG	05	D	41	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1644	OFM	gear box	MFG	05	Ha	8.9	2	Each	Crane 5 ton	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1645	OFM	gear box	MFG	05	Ha	0.1	2	Each	Crane 5 ton	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1646	OFM	overhead crane	MFG	06	C	6.2	1	Each	Sand Line #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1647	OFM	gear box - conveyor drive	MFG	06	C	6.2	1	Each	Sand Line #2 Flight Belt Gear Box	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1648	OFM	gear box	MFG	06	B	20	1	Each	Dust on equipment in Sand Line #7 at 62 foot level	OFM-MFG-06-161	b	Pb, PCB	12000	1550	15000	680	8000	22100	1450000	892	<500	<200	344000	-
1649	OFM	gear box	MFG	06	D	40	1	Each	Blending drum for Sand line #2	OFM-MFG-05-172	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1650	OFM	elevator	MFG	07	E	7.6	3	Each	Sand Line #2 elevator gear box	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1651	OFM	gear box	MFG	07	Ec	0.27	1	Each	Return Sand Screen	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1652	OFM	gear box	MFG	07	Ec	0.27	1	Each	Return Sand Screen	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1653	OFM	gear box	MFG	08	Cc	.27	1	Each	Parts hoist	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1654	OFM	gear box	MFG	09	Dc	0.09	1	Each	Sand Elevator Line #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1655	OFM	gear box	MFG	09	Cc	0.09	1	Each	Return Sand Elevator Line #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1656	OFM	gear box - conveyor drive	MFG	BS	Aa	10.4	1	Each	Composite grease from basement equipment	OFM-MFG-BS-163	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1657	OFM	gear box	MFG	OB	C	5.2	2	Each	Sand Line #2 Mullers	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1658	OFM	gear box - conveyor drive	MFG	OB	E	5.2	1	Each	Sand Line #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1659	OFM	gear box	MFG	OB	F	6.2	1	Each	Sand Line #2 Shake Out # 1 & 2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1660	OFM	gear box - conveyor drive	MFG	OB	G	6.2	1	Each	Sand Line #2 Mold Conveyor Drive	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1661	OFM	gear box - conveyor drive	MFG	OB	F	5.2	1	Each	Sand Line #2 Shake out Sand Belt	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1662	OFM	gear box	MFG	OB	E	5.2	1	Each	Sand Line #2 Makeup Sand Feeder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1663	OFM	switch gear	MFG	OR	H	40	1	Each	Sub B - wipe the breaker	TRA-CMG-0R-002	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
1664	OFM	overhead crane	MFG	OR	H	40	1	Each	Sub B	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1665	OFM	overhead crane	MFG	OR	F	45	2	Each	Sub A/F	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1666	OFM	switch gear	MFG	OR	C	57	1	Each	Sub D - Wipe breaker	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1667	OFM	overhead crane	MFG	OR	C	57	1	Each	Sub D	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1668	OFM	overhead crane	MFG	OR	F	13	2	Each	East end of old conveyor system enclosure	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1669	OFM	gear box - conveyor drive	MFG	OR	F	13	1	Each	East end of old conveyor system enclosure	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1670	OFM	oil reservoir	MFG	OR	F	13	1	Each	East end of old conveyor system enclosure - lubricator	OFM-MFG-0R-152	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1671	OFM	elevator	MFG	OR	B	5	1	Each	Gear box for cable driven elevator	OFM-EAD-0R-196	b	PCB	3000	-	-	-	-	-	-	-	-	-	-	-
1672	OFM	elevator	MFG	OR	D	13	1	Each	Gear box for cable driven elevator	OFM-EAD-0R-196	b	PCB	3000	-	-	-	-	-	-	-	-	-	-	-
1673	OFM	oil reservoir	MNT	1	C	5	1	Each	#272439 American Hercules Iron Shear	OFM-CMG-01-096	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1674	OFM	gear box - over head door	MNT	01	E	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1675	OFM	gear box - over head door	MNT	01	E	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1676	OFM	band saw	MNT	01	E	3	1	Each	#272417 Band Saw	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1677	OFM	hydraulic pump	MNT	01	D	4	1	Each	#272433 Table	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1678	OFM	gear box - over head door	MNT	01	E	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1679	OFM	oil reservoir	MNT	01	D	5	1	Each	#272438 mall 0022 Buffalo	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1680	OFM	hydraulic pump	MNT	01	D	4	1	Each	#272434 Wysong Forming Roll	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1681	OFM	hydraulic pump	MNT	01	C	4	1	Each	#272411 Wysong Square Shear	OFM-CMG-01-096	b	-	1000	-	-	-	-	-	-	-	-	-	-	-
1682	OFM	gear box	MNT	01	C	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1683	OFM	gear box	MNT	01	C	3	1	Each	#272414 Carlton Drill Press	OFM-CMG-01-097	w	-	1.5	-	-	-	-	-	-	-	-	-	-	-
1684	OFM	gear box - over head door	MNT	01	B	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1685	OFM	gear box	MNT	01	A	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1686	OFM	hydraulic pump	MNT	01	B	6	1	Each	#272419 200T Press	OFM-CMG-01-096	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1687	OFM	hydraulic pump	MNT	01	B	5	1	Each	#272418 Wysong Press Brake	OFM-CMG-01-096	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1688	OFM	hydraulic pump	MNT	01	B	2	1	Each	Enerpac Press - 25T	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1689	OFM	gear box - over head door	MNT	01	B	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1690	OFM	gear box	MFG	02	Ba	10	2	Each	Slurry mix tanks	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1691	OFM	gear box	MFG	02	Ba	10	2	Each	Chain hoist	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1692	OFM	gear box	SMG	01	C	53	1	Each	On rack	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1693	OFM	oil reservoir	SMG	01	C	55	1	Each	Mobile sweeper	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1694	OFM	oil reservoir	SMG	01	C	55	1	Each	Cement Mixer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1695	OFM	gear box - conveyor drive	SMG	01	C	68	1	Each	#272147 Sorter	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1696	OFM	gear box	SMG	01	B	61	1	Each	Kiln #17 Feed	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1697	OFM	gear box	SMG	01	B	61	1	Each	Kiln #17 Elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1698	OFM	gear box	SMG	01	B	55	1	Each	Kiln #17 Discharge elevator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1699	OFM	gear box - over head door	SMG	01	C1	54	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1700	OFM	gear box	SMG	01	C1	57	2	Each	Parts Storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1701	OFM	gear box	SMG	01	C1	58	8	Each	Parts Storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1702	OFM	gear box - over head door	SMG	01	C1	63	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1703	OFM	gear box	SMG	01	C1	67	1	Each	HI Vac portable filter	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1704	OFM	gear box	SMG	01	C1	68	1	Each	Belt conveyor #272148 in storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1705	OFM	oil reservoir	SMG	01	C1	66	1	Each	Trash Compactor #272146 hydraulic unit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1706	OFM	hydraulic pump	SMG	01	C1	66	1	Each	Trash Compactor #272146 hydraulic unit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1707	TRA	switch gear	SMG	OR	B	66	1	Each	Sub M -	TRA-CMG-0R-003	w	PCB	48	-	-	-	-	-	-	-	-	-	-	-
1708	OFM	gear box	SRB	01	A	1	2	Each	#272273 mag Separator Feeder @ 35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1709	OFM	overhead crane	SRB	01	A	1	1	Each	@ 35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1710	OFM	overhead crane	SRB	01	A	1	1	Each	@ 27' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1711	OFM	gear box	SRB	01	A	1	1	Each	#272797 Dideon Rotating Crusher	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1712	OFM	band saw	SRB	01	A	1	1	Each	#272797 Band saw	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1713	OFM	gear box	SRB	01	A	1	1	Each	East preheat bin	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1714	OFM	overhead crane	SRB	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1715	OFM	overhead crane	SRB	01	A	1	4	Each	On pallet	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1716	OFM	gear box	SRB	01	A	1	1	Each	Crusher feeder	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1717	OFM	gear box - over head door	SRB	01	A	1	3	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1718	OFM	oil reservoir	SRB	01	A	1	1	Each	Thatcher	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1719	OFM	oil reservoir	WAD	02	A	1	1	Each	#272296 Baldwin Testing System in Lab	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1720	OFM	compressor	WAD	02	A	1	1	Each	Portable unit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1721	OFM	compressor	WAD	02	A	2	1	Each	Apparatus Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1722	OFM	gear box	WTP	01	A	3	1	Each	Blow Down Sludge Thickener	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1723	OFM	gear box	WTP	01	D	2	1	Each	Air compressor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1724	OFM	gear box - over head door	WTP	01	A	6	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1725	OFM	gear box - over head door	WTP	01	B	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1726	OFM	overhead crane	WTP	01	C	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1727	OFM	gear box	WTP	02	A	3	1	Each	Blow Down Sludge Thickener	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1728	OFM	overhead crane	WTP	02	A	1	2	Each	3 ton crane	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1729	OFM	gear box	WTP	02	A	1	2	Each	Cake Cross Belt Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1730	OFM	gear box - over head door	WTP	02	B	1	1	Each	Overhead door on First Floor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1731	OFM	gear box	WTP	02	B	1	1	Each	Shuttle #4 Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1732	OFM	gear box	WTP	02	B	1	1	Each	Belt Conveyor #6	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1733	OFM	gear box	WTP	02	C	1	1	Each	Transfer Belt Conv #7	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1734	OFM	gear box	WTP	02	C	1	1	Each	Grit System #2 Shuttle Conveyor	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1735	OFM	gear box	WTP	02	D	1	1	Each	Overhead door	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1736	OFM	gear box	WTP	02	C	1	1	Each	Grit System #3 Shuttle	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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1737	OFM	overhead crane	WTP	02	C	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1738	OFM	gear box	WTP	02	C	3	1	Each	Mez	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1739	OFM	gear box	WTP	02	C	2	1	Each	Flocculation Tank #2 - Mez	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1740	OFM	gear box	WTP	02	C	3	1	Each	Inclined Plate Clarifier - Mez	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1741	OFM	gear box	WTP	02	D	3	1	Each	Inclined Plate Clarifier	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1742	OFM	gear box	WTP	02	D	2	1	Each	Flocculation Tank - Mez	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1743	OFM	overhead crane	WTP	02	B	3	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1744	OFM	gear box	WTP	02	D	4	3	Each	Flocculent storage tank mixers - Polymer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1745	OFM	gear box	WTP	03	A	1	3	Each	Belt Press - Mez	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1746	OFM	overhead crane	WTP	03	A	1	1	Each	3-T crane	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1747	OFM	gear box	WTP	03	C	1	1	Each	Grit dewatering #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1748	OFM	gear box	WTP	03	D	1	1	Each	Grit Dewatering #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1749	OFM	gear box	WTP	03	D	3	1	Each	In cabinet	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1750	OFM	gear box	WTP	03	C	4	1	Each	solid trichaer test	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1751	OFM	gear box	WTP	03	B	4	1	Each	12' x 15' x 8'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1752	OFM	overhead crane	WTP	03	C	2	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1753	OFM	generator	YAR	01	Fb	14.4	1	Each	Emission Control Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1754	OFM	compactor	YAR	01	N	N	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1755	OFM	gear box	YAR	01	E	E	1	Each	On rack	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1756	OFM	gear box	YAR	01	E	E	3	Each	On ground	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1757	OFM	hydraulic pump	YAR	01	E	E	1	Each	On ground	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1758	OFM	gear box - conveyor drive	YAR	01	E	E	1	Each	On ground	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1759	OFM	gear box	YAR	01	E	E	1	Each	Lightening Mixers on ground	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1760	OFM	gear box	YAR	01	S	S	1	Each	On ground	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1761	OFM	hydraulic pump	YAR	01	S	S	1	Each	On ground	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1762	OFM	gear box - over head door	YAR	1	C	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1763	OFM	gear box - over head door	YEQ	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1764	OFM	overhead crane	YEQ	01	A	1	1	Each	Detroit 15T	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1765	OFM	gear box - over head door	YEQ	01	A	1	1	Each	Ladle Repair & Storage Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1766	OFM	gear box - over head door	YEQ	01	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1767	OFM	gear box - over head door	YEQ	01	F	1	1	Each	Outside door	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 GENERAL MOTORS CORPORATION
 Saginaw Malleable Iron
 Arcadis
 Saginaw, Michigan
 FACILITY ENVIRONMENTAL ASSESSMENT
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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1768	OVN	furnace	CMG	01	B	60	1	Each	Kiln # 14 - wipe on side by blow off hatch in Zone 1	OVN-CMG-01-111	w	PCB	12	-	-	-	-	-	-	-	-	-	-	-
1769	OVN	furnace	CMG	01	B	58	1	Each	Kiln # 15 - wipe of side by zone 2 blow off hatch	OVN-CMG-01-115	w	-	3	-	-	-	-	-	-	-	-	-	-	-
1770	OVN	furnace	CMG	01	E	58	1	Each	Kiln # 12 - wipe sample on side	OVN-CMG-01-116	w	PCB	4000	-	-	-	-	-	-	-	-	-	-	-
1771	OVN	furnace	CMG	01	N	61	1	Each	Kiln # 7 - wipe sample on side	OVN-CMG-01-117	w	-	0.5	-	-	-	-	-	-	-	-	-	-	-
1772	OVN	furnace	CMG	01	Q	59	1	Each	Kiln # 4 - wipe of south east side	OVN-CMG-01-121	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
1773	OVN	furnace	CMG	01	Q	60	1	Each	Kiln # 5 - wipe of south center	OVN-CMG-01-122	w	-	0.6	-	-	-	-	-	-	-	-	-	-	-
1774	OVN	furnace	CMG	01	R'	55	1	Each	Kiln # 3 - wipe at discharge end	OVN-CMG-01-123	w	-	2.1	-	-	-	-	-	-	-	-	-	-	-
1775	OVN	furnace	CMG	01	S	57	1	Each	Kiln #1 wipe sample	OVN-CMG-01-129	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
1776	OVN	furnace	CMG	01	S	52	1	Each	#1 Draw Furnace - wipe on south side zone 1	OVN-CMG-01-132	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
1777	OVN	furnace	CMG	01	R	14	1	Each	Composite sample of draw #12 grease & oils	OVN-CMG-01-133	b	-	800	-	-	-	-	-	-	-	-	-	-	-
1778	OVN	furnace	CMG	01	P	53	1	Each	Draw #2 zone 3 north side	OVN-CMG-01-134	w	-	2.5	-	-	-	-	-	-	-	-	-	-	-
1779	OVN	furnace	CMG	01	P	51	1	Each	Draw #3 zone 2 north side	OVN-CMG-01-135	w	-	0.6	-	-	-	-	-	-	-	-	-	-	-
1780	OVN	furnace	EAD	01	B	6	1	Each	#272920 Lindberg Furnace	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1781	OVN	furnace	MFG	01	Aa	8.9	1	Each	Melting Furnace Line 2	OVN-MFG-01-203	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1782	OVN	furnace	MFG	02	Ja	8.9	1	Each	Melting furnace #4	OFM-MFG-BS 201	w	-	0.3	-	-	-	-	-	-	-	-	-	-	-
1783	OVN	ovens	MFG	02	Ja	7.6	6	Each	Pre-heat oven	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1784	OVN	furnace	MFG	02	Aa	0.3	1	Each	Melting pot #1 from trough	OVN-MFG-02-180	b	-	<330	-	-	-	-	-	-	-	-	-	-	-
1785	OVN	furnace	MFG	03	Hb	4.5	1	Each	Preheat #4	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1786	OVN	furnace	MFG	03	Hb	4.5	1	Each	Preheat #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1787	OVN	furnace	MFG	01	Aa	10.4	1	Each	Sand Line #2 furnace	OVN-MFG-01-167	w	-	8	-	-	-	-	-	-	-	-	-	-	-
1788	PAD	exterior concrete pad	MFG	OE	X	X	1	Each	Compactor pad east of the sand reclamation building	PAD-YAR-01-092	c	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1789	PAD	exterior concrete pad	MFG	OE	X	X	1	Each	Maintenance storage pad on east side of main plant	PAD-YAR-01-093	c	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1790	PAD	exterior concrete pad	YAR	01	N	N	1	Each	50' x 75'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1791	PAD	exterior concrete pad	YAR	01	E	E	1	Each	40' x 30' Haz Storage Pad	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1792	PAD	exterior concrete pad	YAR	01	E	E	1	Each	Hazardous Waste Building	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1793	PAD	exterior concrete pad	YAR	01	S	S	1	Each	100' x 30'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1794	PAD	exterior concrete pad	YAR	OE	X	X	1	Each	Core Sand Bin on north west side of facility	PAD-YAR-01-100	c	-	<1000	2000	27300	<200	5100	4500	3100	<50	360	<100	9100	-
1795	PAD	exterior concrete pad	YAR	OE	X	X	1	Each	SW side near maintenance area	PAD-YAR-01-101	c	PCB	2000	3310	34600	250	9500	9000	7100	<50	430	<100	39100	-
1796	PAD	exterior concrete pad	YAR	OE	X	X	1	Each	East side by paint room	PAD-YAR-01-102	c	-	<1000	2460	53100	<200	9800	8000	15700	<50	400	<100	38900	-
1797	PIT	pit	CMG	01	C	53	1	Each	10' x 10' x 5' Gas main pit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1798	PIT	pit	CMG	01	R	50	2	Each	8' x 7' x 1' scale pits	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 Saginaw Malleable Iron
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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1799	PIT	pit	CMG	01	T	64	1	Each	1' X 1' X 3' in fire protection room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1800	PIT	pit	CMG	01	T	64	1	Each	2' rd x 1' In fire protection room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1801	PIT	pit	CMG	01	T	64	1	Each	3' rd x 1' in fire protection room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1802	PIT	pit	CMG	01	D	40	1	Each	1' x 2' x 1' south of broach area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1803	PIT	press	CMG	01	D	34	1	Each	20' x 14' x 8' Verson Press	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1804	PIT	press	CMG	01	Gh	36	1	Each	17' x 13' x 8' Verson Press Pit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1805	PIT	press	CMG	01	Gh	32	1	Each	17' x 13' x 8' Verson Press Pit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1806	PIT	furnace	CMG	01	S	52	1	Each	28' x 22' x 8' Quench Oil Tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1807	PIT	furnace	CMG	01	R'	52	1	Each	28' x 22' x 8' Quench oil tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1808	PIT	furnace	CMG	01	P	52	1	Each	28' x 22' x 8' Quench oil tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1809	PIT	pit	CMG	01	k	67	1	Each	9' X 13' X 5' Equipment pit in slip stick line	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1810	PIT	pit	CMG	01	P	67	1	Each	10' X 25' X 7' Equipment pit in slip stick line	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1811	PIT	pit	EAD	01	A	4	1	Each	9' x 12' x 2' - Dimensional Control room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1812	PIT	elevator	EAD	01	D	13	1	Each	9' X 9' X 4' elevator in Receiving	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1813	PIT	pit	EAD	01	C	13	1	Each	5' x 5' x 1' Scale Pit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1814	PIT	elevator	EAD	01	B	5	1	Each	11' x 15' x 4' elevator in pattern shop	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1815	PIT	utility	MFG	01	B	1	1	Each	Size - 3' x 7' x 10' utility	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1816	PIT	compressor	MFG	01	E	17	3	Each	4' x 5' x 1' XLE Compressor Pits	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1817	PIT	pit	MFG	01	E	28	1	Each	Waste Water 17' x 19' x 11'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1818	PIT	pit	MFG	01	E	28	1	Each	Hazardous - Non Flammable 12' x 15' x 11'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1819	PIT	pit	MFG	01	B	13.1	1	Each	7' x 6' x 4' Nugent sand transporter	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1820	PIT	pit	MFG	01	F	22	1	Each	2' X 4' X 1' in FATA line area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1821	PIT	pit	MFG	01	Jb	49	1	Each	9' X 8' X 5' ladle pit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1822	PIT	pit	MFG	01	X	X	1	Each	3' X 2' X 3' in core box cleaning area in the "Heal"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1823	PIT	pit	MFG	01	T	34	1	Each	8' x 30' x 3' South end of #2 Sand Line machine pit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1824	PIT	furnace	MFG	OB	Ea	0.2	1	Each	25' x 35' x 30' - Furnace 1 pit, tunnel to Buss Tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1825	PIT	furnace	MFG	OB	Ea	0.5	1	Each	25' x 35' x 30' - Furnace 2 pit, tunnel to Buss Tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1826	PIT	furnace	MFG	OB	Ea	3.0	1	Each	25' x 35' x 30' - Furnace 3 pit, tunnel to Buss Tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1827	PIT	furnace	MFG	OB	Ea	6.2	1	Each	25' x 35' x 30' - Furnace 4 pit, tunnel to Buss Tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1828	PIT	furnace	MFG	OB	Ea	8.9	1	Each	25' x 35' x 30' - Furnace 5 pit, tunnel to Buss Tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1829	PIT	furnace	MFG	OB	Ea	0.2	1	Each	15' x 35' x 38' Furnace 1 Pit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1830	PIT	furnace	MFG	OB	Ea	0.5	1	Each	15' x 35' x 38' Furnace 2 Pit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1831	PIT	furnace	MFG	OB	Ea	3.0	1	Each	15' x 35' x 38' Furnace 3 Pit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1832	PIT	furnace	MFG	OB	Ea	6.2	1	Each	15' x 35' x 38' Furnace 4 Pit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1833	PIT	furnace	MFG	OB	Ea	8.9	1	Each	15' x 35' x 38' Furnace 5 Pit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1834	PIT	pit	SRB	01	A	1	1	Each	10' x 20' x 10' Confined Space	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1835	PIT	pit	SRB	01	A	1	1	Each	10' x 20' x 10' Primary cooler transporter	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1836	PIT	pit	YAR	01	E	E	1	Each	6' x 12'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1837	RAD	smoke detector	EAD	01	B	14	2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1838	RAD	smoke detector	WAD	02	A	1	3	Each	EDS Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1839	RAD	smoke detector	WAD	02	A	1	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1840	ROF	debris	CMG	01	q	63	1	Each	Debris in old chiller	ROF-CMG-OR-012	b	-	<1000	520	3700	<200	3200	20700	5900	<50	<200	<100	27800	-
1841	ROF	roofing material	CMG	01	R	14	1	Each	-	ROF-CMG-OR-025	b	-	<1000	<100	<1000	<200	<2000	<1000	<1000	<50	<200	<100	2400	-
1842	ROF	roofing material	CMG	OR	B	63	1	Each	Old roofing materials	ROF-CMG-OR-014	b	-	<1000	440	5400	290	8100	19200	16200	<50	<200	<100	78700	-
1843	ROF	roofing material	CMG	OR	E	15	1	Each	Old roofing materials	ROF-CMG-OR-015	b	PCB	2800	7890	10700	270	68400	73400	83200	<50	240	170	68100	-
1844	ROF	roofing material	CMG	OR	H	55	1	Each	Old roofing materials	ROF-CMG-OR-016	b	-	<1000	180	1800	<200	<2000	4100	1200	<50	<200	<100	80000	-
1845	ROF	roofing material	CMG	OR	B	34	1	Each	Old roofing material	ROF-CMG-OR-017	b	-	<1000	930	5000	210	57600	73100	7900	<50	<200	<100	100000	-
1846	ROF	roofing material	CMG	OR	A	36	1	Each	Old roofing materials	ROF-CMG-OR-018	b	Cr	<1000	280	2400	<200	107000	5300	6500	<50	<200	<100	23700	-
1847	ROF	roofing material	CMG	OR	A	56	1	Each	Old roofing materials	ROF-CMG-OR-019	b	-	<1000	370	31700	2310	3200	6900	21200	<50	<200	<100	447000	-
1848	ROF	roofing material	CMG	OR	R	51	1	Each	Old roofing materials	ROF-CMG-OR-020	b	-	<1000	<100	1300	<200	<2000	3600	2700	<50	<200	<100	28000	-
1849	ROF	debris	CMG	OR	Q	50	1	Each	Loose materials on roof	ROF-CMG-OR-021	b	-	<1000	2100	36500	420	38500	55000	43600	<50	<200	<100	473000	-
1850	ROF	debris	CMG	OR	Q	40	1	Each	Loose debris on roof	ROF-CMG-OR-022	b	Cr	<1000	3600	30800	620	155000	113000	24800	<50	310	120	204000	-
1851	ROF	roofing material	CMG	OR	R	34	1	Each	Old roofing materials	ROF-CMG-OR-023	b	PCB	43000	4470	143000	1110	36800	77500	39500	<50	700	<100	384000	-
1852	ROF	roofing material	EAD	01	B	4	1	Each	-	ROF-EAD-OR-036	b	-	<1000	240	2200	<200	<2000	4300	1000	<50	270	<100	27300	-
1853	ROF	roofing material	MFG	01	B	17	1	Each	Roofing Materials	ROF-MFG-OR-024	b	-	<1000	<100	2300	<200	<2000	4800	2200	<50	<200	<100	37000	-
1854	ROF	roofing material	MFG	01	T	16	1	Each	Roofing	ROF-CMG-OR-026	b	PCB	14000	1450	9800	250	67300	24500	14400	<50	<200	<100	80800	-
1855	ROF	debris	MFG	01	H	11	1	Each	-	ROF-MFG-OR-034	b	-	<1000	1770	248000	750	66800	98000	66100	<50	580	110	1090000	-
1856	ROF	roofing material	MFG	01	A	7	1	Each	-	ROF-MFG-OR-035	b	-	<1000	460	2500	<200	<2000	3000	<1000	<50	230	<100	22800	-
1857	ROF	debris	MFG	01	J	0.3	1	Each	Coke Breeze	ROF-MFG-OR-047	b	-	-	2090	26100	1000	24100	69500	81700	<50	290	180	1230000	Results for PAH constituents below applicable criteria
1858	ROF	debris	MFG	01	Ea	0.3	1	Each	#273093 - Coke Breeze	ROF-MFG-OR-048	b	-	-	220	5000	<200	3300	7000	9300	<50	<200	<100	71100	Results for PAH constituents below applicable criteria
1859	ROF	debris	MFG	01	F	41	1	Each	-	ROF-MFG-OR-049	b	-	<1000	36500	93000	370	23100	62800	28400	<50	<200	<100	106000	-
1860	ROF	asphalt	MFG	OR	Jb	0.9	1	Each	Roofing Materials	ROF-MFG-OR-004	b	-	<1000	120	<1000	<200	<1000	-	1800	<50	<500	<200	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1861	ROF	asphalt	MFG	OR	Jb	0.3	1	Each	Roofing Materials	ROF-MFG-OR-005	b	-	<1000	680	9600	280	5200	-	56800	<50	<500	<200	-	-
1862	ROF	sand	MFG	OR	Jb	0.5	1	Each	-	ROF-MFG-OR-006	b	Pb	<1000	2060	27000	1010	83800	-	199000	<50	<500	260	-	-
1863	ROF	debris	MFG	OR	Jb	0.5	1	Each	-	ROF-MFG-OR-007	b	-	<1000	1730	6000	1580	10200	-	39100	<50	<500	<200	-	-
1864	ROF	roofing material	MFG	OR	A	51	1	Each	Aged Roofing Materials	ROF-MFG-OR-012	b	PCB	19000	1290	19500	830	11900	15900	33900	<50	<200	190	691000	-
1865	ROF	debris	MFG	OR	B	52	1	Each	Loose materials on roof	ROF-MFG-OR-013	b	PCB	2000	2310	37800	600	14000	31100	43700	<50	420	<100	165000	-
1866	ROF	debris	MFG	OR	F	13	1	Each	East end of old conveyor system enclosure	ROF-MFG-OR-151	b	PCB	12000	-	-	-	-	-	-	-	-	-	-	-
1867	ROF	debris	MFG	OR	F	24	1	Each	Debris on deck of old conveyor system	ROF-CMG-OR-118	b	-	1000	-	-	-	-	-	-	-	-	-	-	-
1868	RRT	cross tie	YAR	01	W	W	1	Each	175' rail siding, approx 11 ties per 20' span	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1869	SMP	sump	CMG	01	C	38	1	Each	2.5' rd x 5' Broach coolant sump	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1870	SMP	sump inside a trench	CMG	01	C	19	1	Each	Sump 5' x 10" x 1"	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1871	SMP	sump	CMG	01	R	64	1	Each	Fire Protection Room	SMP-CMG-01-212	b	Cr, Pb, Hg, Cu, PCB	11000	2540	107000	6070	135000	6020000	1350000	53600	<500	2230	883000	-
1872	SMP	sump	CMG	OB	A	1	1	Each	4' rd, North/South tunnel between Maintenance and locker rooms	SMP-CMG-BS-213	b	Pb, PCB	6000	40300	175000	4270	82000	1570000	310000	274	<500	630	4730000	-
1873	SMP	sump	MFG	01	D	0	1	Each	5' x 5' x 11', Foundry Disposal Tank	SMP-MFG-01-209	b	-	<1000	1730	10100	<200	<1000	3600	5500	<50	<500	<200	36800	-
1874	SMP	sump	MFG	01	Lb	14.4	1	Each	3' X 3' X 5' - Emissions Room	SMP-MFG-01-210	b	PCB	5000	-	-	-	-	-	-	-	-	-	-	-
1875	SMP	sump	MFG	01	BA	9	1	Each	6' x 5' x 5' Slurry Room	SMP-MFG-01-208	b	-	<1000	57400	113000	910	1900	12700	30800	<50	2940	250	135000	-
1876	SMP	sump	MFG	01	B	2	1	Each	2' rd x 3' in power wash booth	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1877	SMP	sump	MFG	01	F	16	1	Each	1' X 1' X 3' Pump repair area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1878	SMP	sump	MFG	01	E	17	2	Each	2' rd x 4' in powerhouse	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1879	SMP	sump	MFG	01	E	17	1	Each	1' x 1' x 2' in powerhouse	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1880	SMP	sump	MFG	01	F	14.4	1	Each	7' x 8' x 6'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1881	SMP	sump	MFG	01	R	66	1	Each	15' x 10' x 10' Hard Iron Disposal Pit	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1882	SMP	sump	MFG	OB	C	5.2	1	Each	Sand Line #2 - under 2' of water. Could not evaluate	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1883	SMP	sump inside a trench	MFG	OB	Fb	5.2	1	Each	Buss Tunnel West end sump	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1884	SMP	sump inside a trench	MFG	OB	Fb	7.6	1	Each	Buss tunnel sump east end	SMP-MFG-BS-200	b	PCB	3000	-	-	-	-	-	-	-	-	-	-	-
1885	SMP	sump	MFG	OB	AD	0.29	1	Each	4' rd x 2'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	SMP	sump	MFG	OB	A	20	1	Each	In Basement	SMP-MFG-BS-186	b	PCB	140000	1640	74000	1040	5300	10700	25800	60	<500	<200	133000	-
1887	SMP	sump inside a pit	WTP	01	B	5	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1888	SMP	sump inside a trench	YAR	01	N	W	1	Each	2' x 2' x 3'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1889	SMP	sump	YAR	01	W	W	1	Each	Yard Maintenance Door 2' x 2' x 2'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1890	SMP	sump inside a trench	YAR	01	W	W	1	Each	2' x 2' 3'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1891	STK	Exhaust Stack	CMG	OR	Throughou t		36	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1892	STK	Exhaust Stack	EAD	0R	Throughou t		2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1893	STK	Exhaust Stack	MFG	0R	Throughou t		39	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1894	STK	Exhaust Stack	MNT	0R	Throughou t		2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1895	STK	Exhaust Stack	SMG	0R	Throughou t		9	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1896	STK	Exhaust Stack	SRB	0R	Throughou t		2	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1897	STK	Exhaust Stack	WAD	0R	Throughou t		5	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1898	TNK	other	CMG	01	E	34	1	Each	10' rd x 2'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1899	TNK	oil	CMG	01	E	45	1	Each	3' rd x 7' pumper	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1900	TNK	other	CMG	01	FG	45	3	Each	10' x 10' x 20'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1901	TNK	water	CMG	01	B	15	1	Each	3' x 4' x 3'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1902	TNK	oil	CMG	01	B	14	1	Each	Draw #3	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1903	TNK	oil	CMG	01	A	14	1	Each	Draw # 2 furnace quench	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1904	TNK	other	CMG	01	Q	61	1	Each	Graphite Bath for #5 Kiln	OFM-CMG-01-126	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1905	TNK	other	CMG	01	R	61	1	Each	Graphite bath for #2 Kiln	OFM-CMG-01-126	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1906	TNK	other	CMG	01	S	61	1	Each	Graphite bath for #1 Kiln	OFM-CMG-01-126	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1907	TNK	other	CMG	01	P	64	1	Each	Air - 2' rd x 5'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1908	TNK	other	CMG	01	P	64	1	Each	Dryer - 1' rd x 5'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1909	TNK	cleaning solutions	CMG	01	Cd	70	1	Each	2' x 3' x 1'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1910	TNK	gasoline	CMG	01	T	64	1	Each	Fire Truck	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1911	TNK	assorted chemicals	CMG	01	P	22	1	Each	Fabricated steel tank w/ heaters unknown chemicals	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1912	TNK	cleaning solutions	CMG	01	GH	42	1	Each	Parts cleaner	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1913	TNK	coolant	CMG	01	A	38	1	Each	Broach Soluble Oil Mix Tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1914	TNK	cleaning solutions	EAD	01	D	10	1	Each	Parts cleaning tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1915	TNK	coolant	EAD	01	B	9	1	Each	Walter Helitronic	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1916	TNK	coolant	EAD	01	B	8	1	Each	Blanchard	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1917	TNK	diesel fuel	EAD	01	B	14	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1918	TNK	water	LNA	01	A	1	1	Each	2' x 6' x 5' water tank for PCB oil reclamation	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1919	TNK	cleaning solutions	MFG	01	E	16	1	Each	2' x 3' x 1' - Aquawork Solution #347338	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1920	TNK	water	MFG	01	E	18	1	Each	3'rd x 7'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1921	TNK	water	MFG	01	E	18	1	Each	2'rd x 4'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1922	TNK	water	MFG	01	E	18	1	Each	9' x 17' x 18	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1923	TNK	cleaning solutions	MFG	01	D	16	1	Each	3' x 5' x 3'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1924	TNK	cleaning solutions	MFG	01	B	21	1	Each	Aquawork Solution 347334 - 2' x 3' x 1'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1925	TNK	water	MFG	01	C	19	1	Each	45' level - 3' rd x 6'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1926	TNK	oil	MFG	01	B	25	1	Each	2' rd x 2'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1927	TNK	other	MFG	01	D	22	1	Each	FATA Aluminum Sand System	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	TNK	other	MFG	01	E	23	2	Each	5' rd x 15'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	TNK	other	MFG	01	E	23	1	Each	5' rd x 20'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	TNK	other	MFG	01	E	32	1	Each	10'rd x 7'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1931	TNK	water	MFG	01	JH	0.4	1	Each	Circulating Pumps #1 4' x 10'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1932	TNK	other	MFG	01	D	0	1	Each	Located in the building know as the "Heal" - Schneible Tank - 5,000 gallons	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1933	TNK	other	MFG	01	A	13	1	Each	Liquid Sulfur Dioxide	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1934	TNK	other	MFG	01	A	13	1	Each	2' rd x 5' SO2 vaporizer platform	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1935	TNK	caustic	MFG	01	B	13	1	Each	6' x 10' x 6'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1936	TNK	sand	MFG	01	E	13.1	1	Each	#272637 Nugent sand transporter - Wexford course sand	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1937	TNK	other	MFG	01	J	13.1	2	Each	2' rd x 4' SO2 surge tank #6&7	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1938	TNK	other	MFG	01	F	13.1	1	Each	SO2 Tank on Mez	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1939	TNK	water	MFG	01	Jo	10.4	2	Each	cylindrical	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1940	TNK	water	MFG	01	Jo	7.6	2	Each	#273097 cylindrical	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1941	TNK	water	MFG	01	Jo	3.5	1	Each	#273099 cylindrical - Capacitor Room C	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1942	TNK	water	MFG	01	Ka	0.3	2	Each	Capacitor Room A - Control Room cylindrical	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1943	TNK	oil	MFG	01	Kb	11.7	1	Each	Oil Water Separator PCB Treatment Sys	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1944	TNK	oil	MFG	01	Kb	11.7	1	Each	Intermediate Holding Tank PCB Oil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1945	TNK	hopper	MFG	01	Hb	11.7	2	Each	Dust collector	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1946	TNK	hopper	MFG	01	Kb	11.7	2	Each	Dust collector	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1947	TNK	other	MFG	01	Kb	11.7	1	Each	Clay Filter Tank PCB Treatment Sys	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1948	TNK	other	MFG	01	Lb	11.7	3	Each	Carbon Filter Tanks PCB Treatment Sys	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1949	TNK	water	MFG	01	Lb	11.7	1	Each	Buss Tunnel Holding Tank PCB Treatment Sys	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1950	TNK	assorted chemicals	MFG	01	Ba	10	2	Each	Air Dryer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1951	TNK	other	MFG	01	E	18	1	Each	Power House Oil Water Separator	PMI P. H. oil - H2O Separator	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
1952	TNK	cleaning solutions	MFG	02	Jo	0.4	1	Each	Small parts cleaner	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1953	TNK	water	MFG	02	B	24	1	Each	Surge tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs	
1954	TNK	other	MFG	02	B	25	1	Each	#272261 & 272144 Mixer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1955	TNK	other	MFG	02	B	25	1	Each	#272142 & 272141 Mixer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1956	TNK	water & glycol	MFG	02	B	25	1	Each	#272139	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1957	TNK	other	MFG	02	C	26	1	Each	#272138	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1958	TNK	other	MFG	02	C	25	1	Each	V-SL37 - 136	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1959	TNK	water	MFG	02	B	26	1	Each	Surge	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1960	TNK	other	MFG	02	D	23	1	Each	3' rd x 6'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1961	TNK	other	MFG	02	B	19	1	Each	#272254	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	TNK	gasoline	MFG	02	Ja	10.4	1	Each	Portable gas powered pump	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	TNK	gasoline	MFG	02	Ja	10.4	1	Each	Mobile Gas Powered Equipment	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	TNK	water	MFG	02	Ja	10.4	1	Each	Mobile Gas Powered Equipment	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	TNK	cleaning solutions	MFG	02	Dc	0.5	1	Each	2' x 3' x 1' Solvents	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1966	TNK	cleaning solutions	MFG	02	G	0.27	1	Each	2' x 3' x 1'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1967	TNK	water	MFG	03	Ja	10.4	1	Each	Process Water, 15' rd	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1968	TNK	other	MFG	03	D	41	1	Each	3'rd x 10' - empty	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1969	TNK	assorted chemicals	MFG	04	Ao	.23	1	Each	N Muller Hopper (Silo)	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1970	TNK	assorted chemicals	MFG	04	Ao	.23	1	Each	S Muller Hopper (Silo)	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1971	TNK	assorted chemicals	MFG	04	Ao	.02	1	Each	Sand hopper	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1972	TNK	assorted chemicals	MFG	04	Ao	.29	3	Each	Sand hopper	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1973	TNK	assorted chemicals	MFG	04	Ao	.27	1	Each	Sand Hopper	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1974	TNK	assorted chemicals	MFG	04	Ao	.02	1	Each	Sand Hopper	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1975	TNK	oil	OIL	01	A	1	1	Each	2200 Gal Poly Tank Used Oil	PMI Used Oil	b	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1976	TNK	gasoline	SMG	01	C	55	1	Each	Mobile sweeper	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1977	TNK	gasoline	SMG	01	C	55	1	Each	Cement Mixer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1978	TNK	hopper	SRB	01	A	1	1	Each	#272275 @35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1979	TNK	hopper	SRB	01	A	1	1	Each	Scrubber Feed @ 35' level	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1980	TNK	hopper	SRB	01	A	1	1	Each	West preheat bin	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	TNK	other	SRB	01	A	1	1	Each	Surge Tank - sand reclamation	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	TNK	gasoline	SRB	01	A	1	1	Each	Thatcher	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	TNK	sand	SRB	01	A	1	4	Each	Sand Bins	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	TNK	other	SRB	01	A	1	1	Each	Kerosene in heater	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
1985	TNK	other	WAD	01	A	1	1	Each	Food Grease Trap in Food Service Area	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	TNK	water	WAD	02	A	2	2	Each	2' X 8' - Apparatus Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	TNK	caustic	WTP	01	D	3	1	Each	Caustic Storage	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	TNK	assorted chemicals	WTP	01	D	4	1	Each	Neat Cationic 890L	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	TNK	assorted chemicals	WTP	01	D	4	2	Each	Neat Anionic Polymer P817E Out of service using product from totes	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	TNK	assorted chemicals	WTP	01	D	4	1	Each	Dilute Anionic Polymer P817E	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	TNK	assorted chemicals	WTP	01	D	4	1	Each	Cationic Polymer 890L Feed Tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	TNK	water	WTP	01	A	3	1	Each	Blow down Inclined Plate Clarifier	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	TNK	caustic	WTP	01	D	2	2	Each	Sodium Hypochlorite	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	TNK	hydrochloric acid	WTP	01	D	2	1	Each	Outside building - Hydrochloric Acid Tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	TNK	diesel fuel	WTP	01	D	2	1	Each	Outside building	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	TNK	water	WTP	02	C	2	1	Each	Flocculation Tank #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	TNK	water	WTP	02	C	3	1	Each	Inclined Plate Clarifier - Mez	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	TNK	water	WTP	02	D	3	1	Each	Inclined Plate Separator - Mez	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1999	TNK	water	WTP	02	D	2	1	Each	Flocculation Tank - Mez	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	TNK	water	WTP	02	C	4	1	Each	Solids Thickener Tank	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	TNK	water	WTP	03	C	1	1	Each	Grit separator #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2002	TNK	water	WTP	03	D	1	1	Each	Grit separator #1	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2003	TNK	water	WTP	03	B	4	4	Each	Blow down reactor tanks	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	TNK	gasoline	YAR	01	A	1	2	Each	"Road" & ?D in Convaults	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2005	TNK	fuel oil	YAR	01	A	1	1	Each	No containment	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	TNK	diesel fuel	YAR	01	N	W	1	Each	Emergency Generator	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	TNK	diesel fuel	YAR	01	W	W	1	Each	Convault	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	TNK	nitrogen	YAR	01	W	W	1	Each	Liquid Nitrogen 10' rd x 25'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	TNK	oil	YAR	01	E	E	1	Each	60'x 40'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	TNK	other	YEQ	01	A	1	1	Each	Portable - empty	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2011	TRA	gas	CMG	OR	R	40	2	Each	Sub J - Westinghouse C3F8 filled, 107# each	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	TRA	dry	CMG	OR	Fg	27	2	Each	Sub G - ABB Cast Coil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2013	TRA	oil filled	MFG	01	Jo	10.4	1	Each	Capacitor Room E - Transformer Room GE Transformer	TRA-MFG-01-187	w	-	4	-	-	-	-	-	-	-	-	-	-	-
2014	TRA	oil filled	MFG	01	Jo	10.4	1	Each	#273095Capacitor Room E, Drained and refilled.	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	TRA	oil filled	MFG	01	Ka	6.2	1	Each	Capacitor Room D, Fluid Filled GE transformer	TRA-MFG-01-188	w	PCB	22	-	-	-	-	-	-	-	-	-	-	-

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 TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
2016	TRA	oil filled	MFG	01	Ka	3.0	1	Each	Capacitor Room C - Transformer Room GE Transformer	TRA-MFG-01-189	w	PCB	20	-	-	-	-	-	-	-	-	-	-	-
2017	TRA	oil filled	MFG	01	Jo	0.5	1	Each	#273100 Capacitor Room B Westinghouse Transformer	TRA-MFG-01-190	w	PCB	53	-	-	-	-	-	-	-	-	-	-	-
2018	TRA	oil filled	MFG	01	Ka	0.2	1	Each	Capacitor Room A - Transformer Room GE Transformer	TRA-MFG-01-191	w	-	1	-	-	-	-	-	-	-	-	-	-	-
2019	TRA	oil filled	MFG	02	Ao	13	1	Each	#272998 Vac Melting Transformer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020	TRA	oil filled	MFG	02	Ao	13	1	Each	#272997 Vac Casting Transformer	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2021	TRA	oil filled	MFG	02	E	14	1	Each	#272979 ABB Cast Coil, Sub E	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2022	TRA	oil filled	MFG	02	E	14	1	Each	#273398 ABB Cast Coil, Sub E	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023	TRA	oil filled	MFG	03	Ja	7.6	1	Each	Capacitor Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2024	TRA	dry	MFG	03	A	34	2	Each	Substation "C" - ABB Cast Coil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2025	TRA	dry	MFG	04	Aa	4.5	1	Each	#273406 Rectifier in Bowling Alley	TRA-MFG-04-174	w	-	0.4	-	-	-	-	-	-	-	-	-	-	-
2026	TRA	gas	MFG	OR	H	40	2	Each	Sub B - GE Freon C3H8	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2027	TRA	dry	MFG	OR	F	45	2	Each	Sub A/F (A) - ABB Cast Coil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2028	TRA	dry	MFG	OR	F	45	2	Each	Sub A/F (F) - ABB Cast Coil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2029	TRA	dry	MFG	OR	C	57	2	Each	Sub D - ABB Cast Coil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2030	TRA	dry	SMG	OR	B	66	2	Each	Sub M - ABB Cast Coil	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2031	TRN	trench	CMG	01	F	35	1	Each	2' x 95' x 3'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2032	TRN	trench	CMG	01	R	70	1	Each	Waste Water 75' x 1' x 3'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2033	TRN	trench	CMG	01	R	63	1	Each	1' x 2' x 45'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2034	TRN	trench	CMG	01	E	53	1	Each	1' x 28' x 1' trench leading to drain	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2035	TRN	trench	CMG	01	T	64	1	Each	1' x 14' x 0.5' in fire protection room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2036	TRN	trench	CMG	OB	B	2	1	Each	1' x 700' x 1' trench system in tunnel from plant to locker room and maintenance	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2037	TRN	trench	EAD	01	B	2	1	Each	6' x 0.5' x 1' - Power wash Booth	TRN-EAD-01-214	b	-	<1000	750	11200	<200	11400	36000	6500	<50	<500	<200	32800	-
2038	TRN	trench	EAD	01	B	14	1	Each	1' x 38' x 0.5' utility trench	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2039	TRN	trench	MFG	01	E	17	1	Each	2' x 8' x 1'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2040	TRN	trench	MFG	01	E	17	1	Each	2' x 16' x 1'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2041	TRN	trench	MFG	01	E	17	1	Each	5' x 16' x 1'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2042	TRN	trench	MFG	01	E	17	1	Each	4' x 16' x 1'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2043	TRN	trench	MFG	01	E	17	1	Each	2' x 16' x 1'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2044	TRN	trench	MFG	01	E	17	1	Each	1' x 28' x 1'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2045	TRN	trench	MFG	01	C	27	1	Each	0.5' x 108' x 2'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2046	TRN	trench	MFG	01	E	30	1	Each	2' x 32' x 3'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 3 - ENVIRONMENTAL ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments	Sample ID	SAMPLE TYPE b=bulk w=wipe c=core	Constituents of Concern	TOTAL PCB	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Silver	Zinc	PAHs
2047	TRN	trench	MFG	01	Fb	14.4	5	Each	1' x 90' x 0.5' Emissions Building trench systems	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2048	TRN	trench	MFG	01	DC	1	1	Each	1' x 67' x 1' in Slurry Room	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2049	TRN	trench	MFG	01	X	X	1	Each	2' x 16' x 1' in core box cleaning room ("Heal")	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2050	TRN	trench	MFG	OB	X	X	1	Each	0.5' x 240' x 0.5' in utility tunnel	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2051	TRN	trench	MNT	01	B	1	1	Each	1' x 4' x 1'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2052	TRN	trench	WAD	01	A	1	1	Each	Food Service Area 2' x 3'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2053	TRN	trench	WTP	01	A	1	1	Each	30' x 1.5' x 1' - sludge	TRN-WTP-01-199	b	-	10000	1470	3500	320	39500	54300	5400	<50	<500	<200	296000	-
2054	TRN	trench	YAR	01	N	W	1	Each	1' x 1' x 64'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2055	TRN	trench	YAR	01	W	W	1	Each	1' x 105' x 1'	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2056	VNT	scrubber	CMG	OR	X	X	10	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2057	VNT	exhaust	CMG	OR	X	X	37	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2058	VNT	air filter	CMG	OR	X	X	1	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2059	VNT	scrubber	MFG	OR	X	X	45	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2060	VNT	exhaust	MFG	OR	X	X	61	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2061	VNT	air filter	MFG	OR	X	X	5	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2062	VNT	exhaust	SMG	OR	X	X	4	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2063	VNT	air filter	SRB	OR	X	X	2	Each	Throughout roof area - includes abandoned units	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2064	VNT	exhaust	WAD	OR	X	X	7	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2065	WAL	oil stained	CMG	01	E	45	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2066	WAL	column	CMG	01	H	60	1	Each	Paint on column H-60	WAL-CMG-01-124	b	PCB	50000	-	-	-	-	-	-	-	-	-	-	-
2067	WAL	column	CMG	01	K	60	1	Each	Paint sample of #9 Kiln structure	WAL-CMG-01-125	b	PCB	120000	-	-	-	-	-	-	-	-	-	-	-
2068	WAL	column	CMG	01	Q	13	1	Each	Paint sample from draw #2 structure	WAL-CMG-01-136	b	PCB	20000	-	-	-	-	-	-	-	-	-	-	-
2069	WAL	column	CMG	01	p	15	1	Each	Paint sample from Column P-15	WAL-CMG-01-137	b	PCB	40000	-	-	-	-	-	-	-	-	-	-	-
2070	WAL	window glaze	EAD	02	X	X	1	Each	White window glazing on interior window , loft office area pattern shop	WAL-EAD-02-156	b	PCB	3000	-	-	-	-	-	-	-	-	-	-	-
2071	WAL	oil stained	MFG	01	Jo	10.4	1	Each	-	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2072	WAL	window glaze	MFG	01	X	X	1	Each	Gray exterior glass block and wall caulk	WAL-WAD-01-158	b	PCB	1000	-	-	-	-	-	-	-	-	-	-	-
2073	WAL	window glaze	MFG	01	X	X	1	Each	White window glazing - old windows at powerhouse	WAL-MFG-01-161	b	PCB	4000	-	-	-	-	-	-	-	-	-	-	-
2074	WAL	column	MFG	01	D	0.27	1	Each	Wall at D-0.27	WAL-MFG-01-183	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
2075	WAL	column	MFG	02	Ea	4.5	1	Each	Paint from column Ea 4.5	WAL-MFG-02-204	b	PCB	3600	-	-	-	-	-	-	-	-	-	-	-
2076	WAL	column	MFG	02	F	0.2	1	Each	Paint from furnace structure	WAL-MFG-02-205	b	-	<1000	-	-	-	-	-	-	-	-	-	-	-
2077	WAL	dust	MFG	04	H	4.5	1	Each	-	WAL-MFG-04-011	w	-	<1	-	-	-	-	-	-	-	-	-	-	-

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2078	WAL	window glaze	MFG	2	Ja	8.9	1	Each	Interior window caulk in melting break room	WAL-MFG-02-155	b	PCB	7000	-	-	-	-	-	-	-	-	-	-	-
2079	WAL	dust	MFG	BS	B	29	1	Each	wipe on column B-29	WAL-MFG-BS-165	w	-	1	-	-	-	-	-	-	-	-	-	-	-
2080	WAL	oil stained	MFG	OB	D	7.6	1	Each	Sand Line #2	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2081	WAL	dust	MFG	OR	HB	3.0	1	Each	-	WAL-MFG-05-008	w	-	<1	-	-	-	-	-	-	-	-	-	-	-
2082	WAL	window glaze	MFG	OR	X	X	1	Each	White window caulk in doors of main office north room	WAL-WAD-02-157	b	PCB	14000	-	-	-	-	-	-	-	-	-	-	-
2083	WAL	window glaze	MFG	OR	X	X	1	Each	White exterior window frame caulk	WAL-MFG-01-159	b	-	500	-	-	-	-	-	-	-	-	-	-	-
2084	WAL	lead lined	WAD	01	A	1	1	Each	Modular X-ray protective wall panels	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2085	WAL	lead lined	WAD	01	A	1	1	Each	Lead glass window	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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*See Table 3 Legend for IOI Area and Building acronym definitions
 **See Table 5 for regulatory criteria

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 TABLE 4 - ITEMS OF INTEREST SUMMARY

Description of Areas of Interest	Estimated Quantity	Units	Comments
Basements	n/a	-	Basement areas located at different areas throughout Main Facility, Areas surveyed, IOIs detailed in respective sections.
Floors and Pads - PCB Impacted	Unknown	sq. ft.	Various types/areas of flooring indicate PCB impact, Delineation necessary in many areas
Roof, Stacks, Ducts	338	Each	Filters associated with many units
Sumps, Pits, Trenches	95	Each	
Tunnels	2	Each	
Storage Tanks (Aboveground, Process, etc.)	137	Each	Varying contents, Certain tanks may require cleaning and/or closure as per gov't regulations
Containment Areas	12	Each	May require cleaning/closure along with associated tanks or material storage
Batteries and Associated Devices	70	Each	Quantity does not include emergency lights or exit signs that may contain batteries
Emergency lighting	167	Each	
Capacitors	1421	Each	Many electrical power panels and capacitor rooms in use or locked during FEA, inspect during O & C, Review past plant capacitor replacement efforts
CRTs	158	Each	
CFCs	188	Total Units	Poundage and type of CFC/refrigerant varies per unit
Compressed Gas Cylinders	569	Each	Varying contents

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 TABLE 4 - ITEMS OF INTEREST SUMMARY

Description of Areas of Interest	Estimated Quantity	Units	Comments
Containers	282	Each	Includes drums, pails, totes, buckets of varying contents
Oil Filled Machinery	739	Each	Includes manufacturing equipment, shop equipment, elevators, conveyors, cranes, in use/stored new/used gearboxes, pumps, hydraulic cylinders of varying size
Filters (oil, air purifying, etc.)	244	Each	Quantity includes visible filters (i.e., not within equipment/panels)
Fire Extinguishers	Unknown	Each	Not recorded in survey
Fluid Filled Lines	4	Each	Includes items other than non-standard utilities, Emptying of fluids from any lines will require verification during cutting/capping of utilities
Laboratories	4	Each	Does not include full inventory of items within each laboratory
Mercury Containing Devices	378	Each	
Ovens	25	Each	Furnaces and ovens
Radioactive Devices	6	Each	
Exit Signs	96	Each	
Substations	10	Each	Some substations in use or locked during FEA, inspect during O & C
Transformers	28	Each	Review past plant transformer replacement efforts and inspect all units during O & C
Other	Unknown	Each	Misc cleaning supplies/aerosol products located throughout facility must be collected and disposed

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TABLE 5 - REGULATORY AND GUIDANCE LIMITS

Toxicity Characteristic Leaching Procedure		
RCRA 8 Metals	Regulatory Limit (mg/l)	20X TCLP ¹ (mg/l)
Arsenic	5	100
Barium	100	2000
Cadmium	1	20
Chromium	5	100
Copper ²	100	2000
Lead	5	100
Mercury	0.2	4
Selenium	1	20
Silver	5	100
Zinc ²	500	10000

TOTAL PCBS ³
General Motors Limits:
PCBs (All Aroclor Concentrations): 1.0 ppm (mg/kg) -or- 10 µg/100cm ²

Poly-nuclear Aromatic Hydrocarbon Criteria	
Constituent	MDEQ Residential Drinking Water Protection Criteria & RBSL ⁴ (ug/kg)
Acenaphthene	300000
Acenaphthylene	5900
Anthracene	41000
Benzo(a)anthracene	NLL ⁵
Benzo(b)fluoranthene	NLL
Benzo(k)fluoranthene	NLL
Benzo(a)pyrene	NLL
Benzo(g,h,i)perylene	NLL
Chrysene	NLL
Dibenz(a,h)anthracene	NLL
Fluoranthene	730000
Fluorene	390000
Indeno(1,2,3-cd)pyrene	NLL
2-Methylnaphthalene	57000
Naphthalene	35000
Phenanthrene	56000
Pyrene	48000

NOTES:

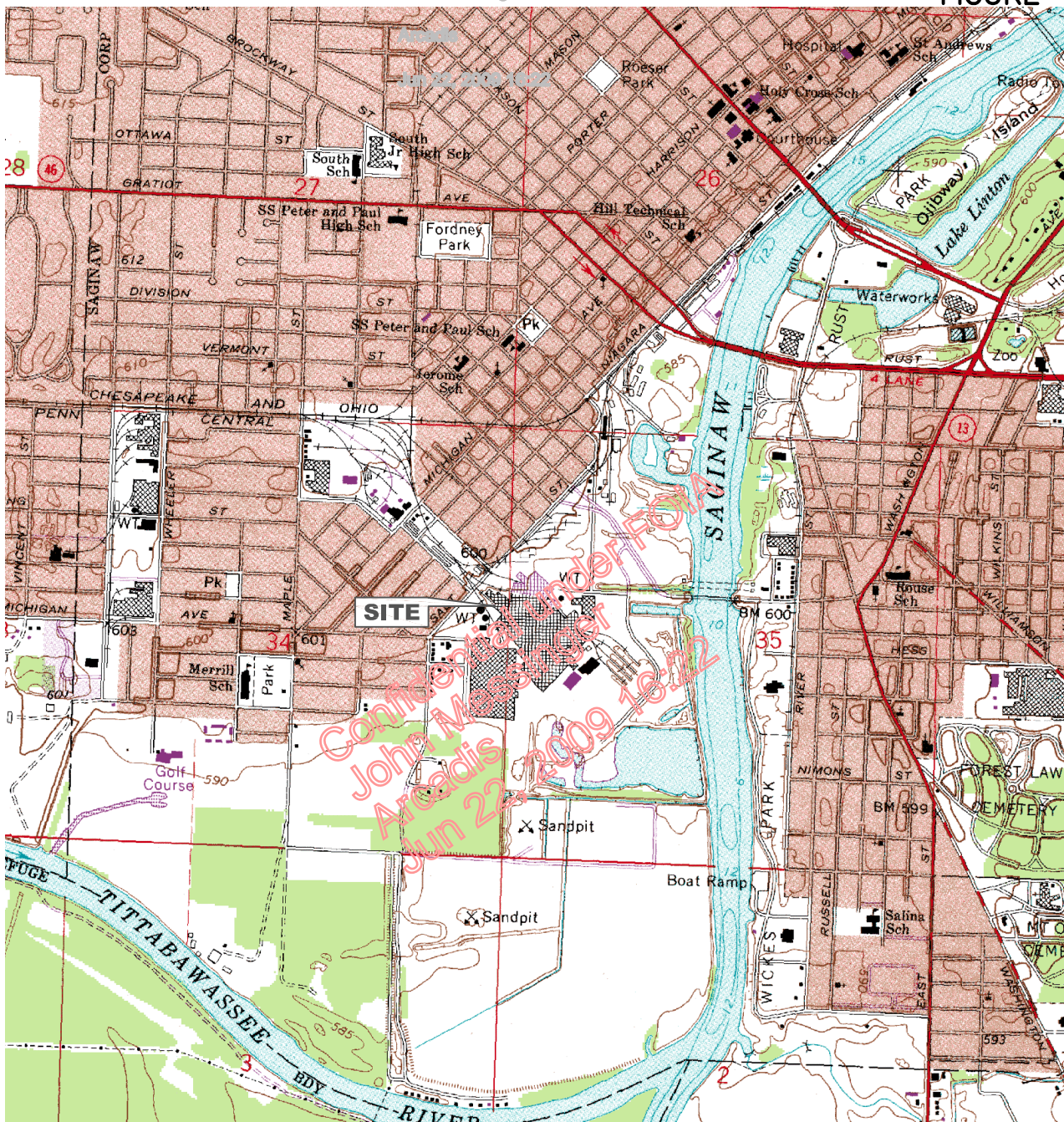
1. Toxicity characteristic leaching procedure guidance value
2. Copper and Zinc criteria taken from MDEQ low hazard industrial waste regulations
3. Total PCB concentrations determined by summing concentrations of individual aroclors
4. Risk Based Screening Level
5. Not Likely Leachable

- Figure 1 – Site location map**
- Figure 2 – Site layout map**
- Figure 3 – Sample location map – butler buildings**
- Figure 4 – Sample location map – maintenance building**
- Figure 5 – Sample location map – recycled water treatment facility**
- Figure 6 – Sample location map – malleable substation**
- Figure 7 – Sample location map – LNAPL pump and treat shed**
- Figure 8 – Sample location map – main facility basement (admin and northeast)**
- Figure 9 – Sample location map – main facility basement (west)**
- Figure 10 – Sample location map – main facility first floor**
- Figure 11 – Sample location map – main facility second floor (west)**
- Figure 12 – Sample location map – main facility second floor (east)**
- Figure 13 – Sample location map – main facility third floor (west)**
- Figure 14 – Sample location map – main facility fourth floor (west)**
- Figure 15 – Sample location map – main facility fifth floor (west)**
- Figure 16 – Sample location map – main facility sixth floor (west)**
- Figure 17 – Sample location map – main facility ninth floor (west)**
- Figure 18 – Sample location map – main facility roof**

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FIGURE 1

I:\PROJECTS\GM 4966\39939 SMI FEA\Doc\Dwg\OBG Drawings\XREF\001-SITE LOCATION MAP



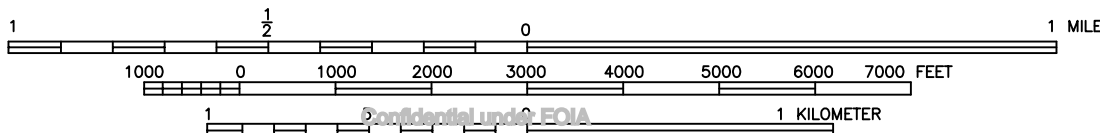
ADAPTED FROM: N4322.5 - W8352.5, MI, U.S.G.S. 7.5 MIN. QUAD



MICHIGAN
QUADRANGLE LOCATION

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SITE LOCATION MAP



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SCALE: 1:24000
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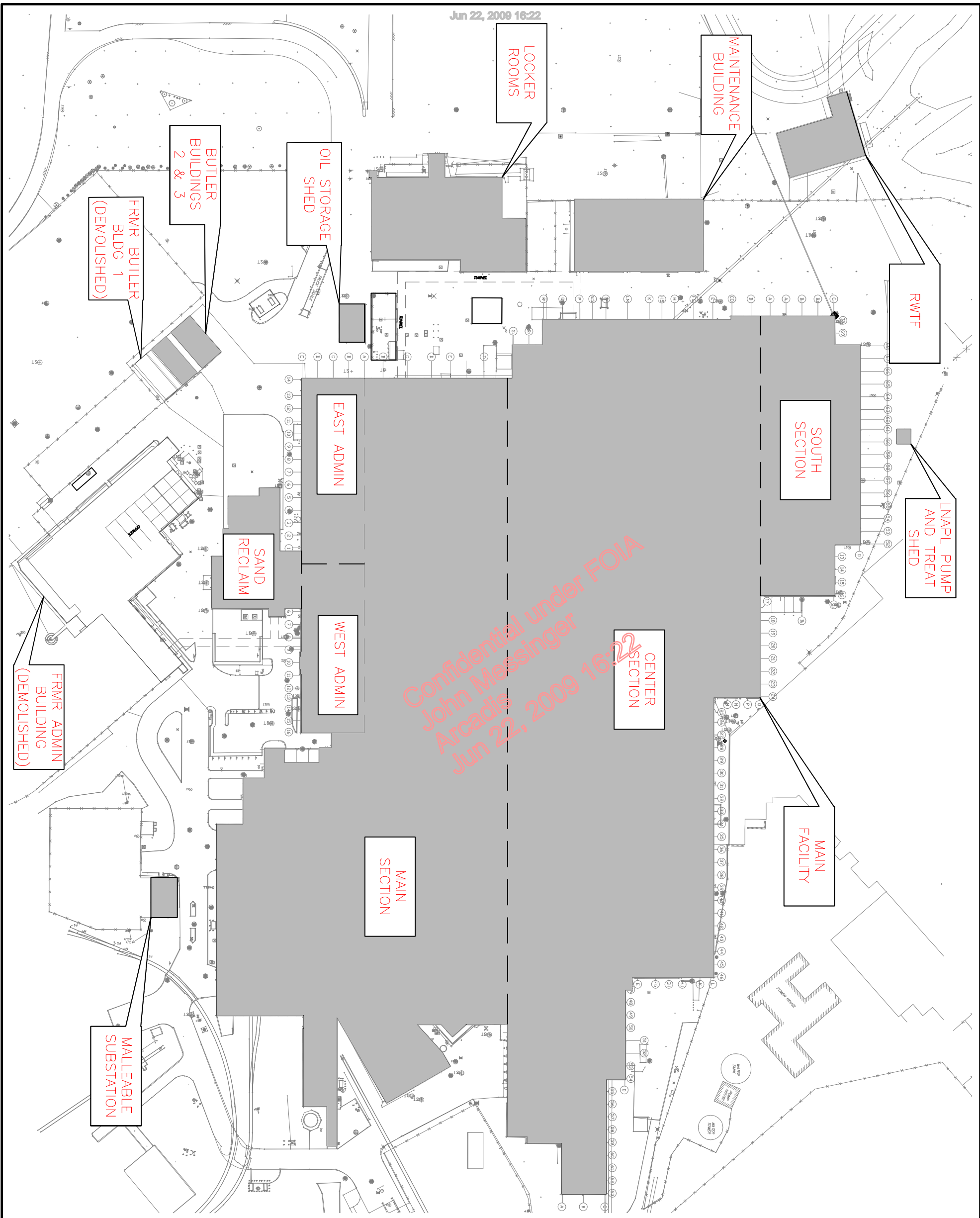
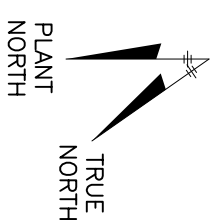


FIGURE 2



- LEGEND**
- AREA INCLUDED IN FACILITY ENVIRONMENTAL ASSESSMENT
 - - - APPROXIMATE SEPARATION USED IN IOI LISTINGS FOUND ON TABLE 3

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 SAGINAW, MI
 FACILITY ENVIRONMENTAL ASSESSMENT

SITE LAYOUT MAP



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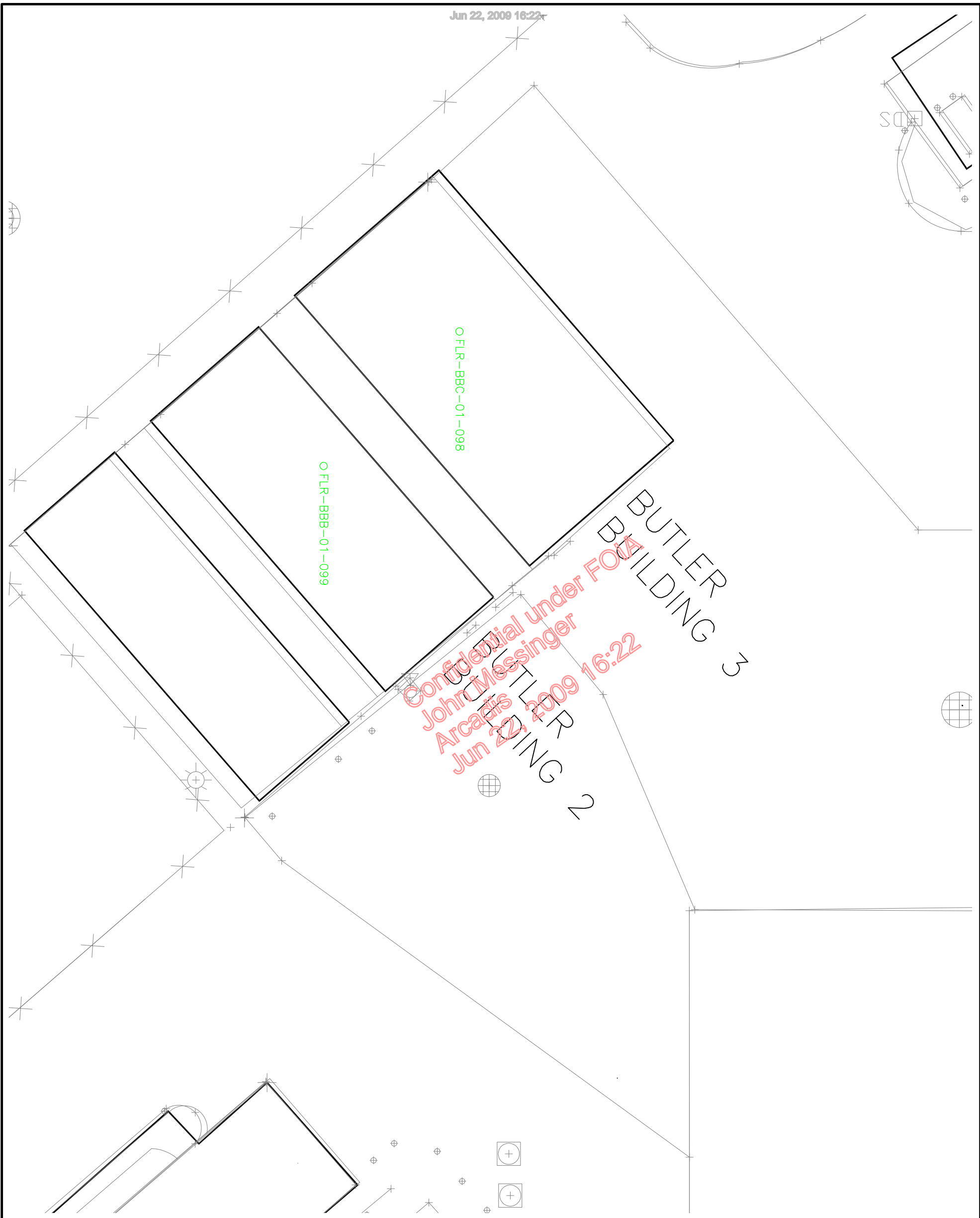
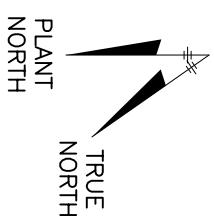
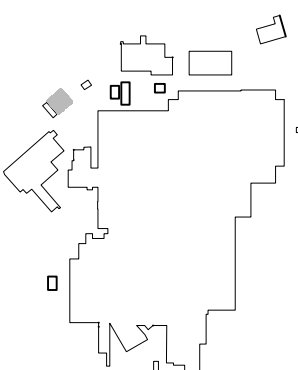


FIGURE 3



SITE LAYOUT



LEGEND

- ▲ FEA SAMPLE LOCATION - BULK
- FEA SAMPLE LOCATION - FLOOR CORING
- FEA SAMPLE LOCATION - WIPE

GENERAL NOTES:

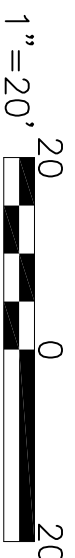
1. SAMPLE LOCATIONS ARE APPROXIMATE

FIGURE NOTES:

NONE

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 SAGINAW MALLEABLE IRON SAGINAW, MI
 FACILITY ENVIRONMENTAL ASSESSMENT

SAMPLE LOCATION MAP
 BUTLER BUILDINGS



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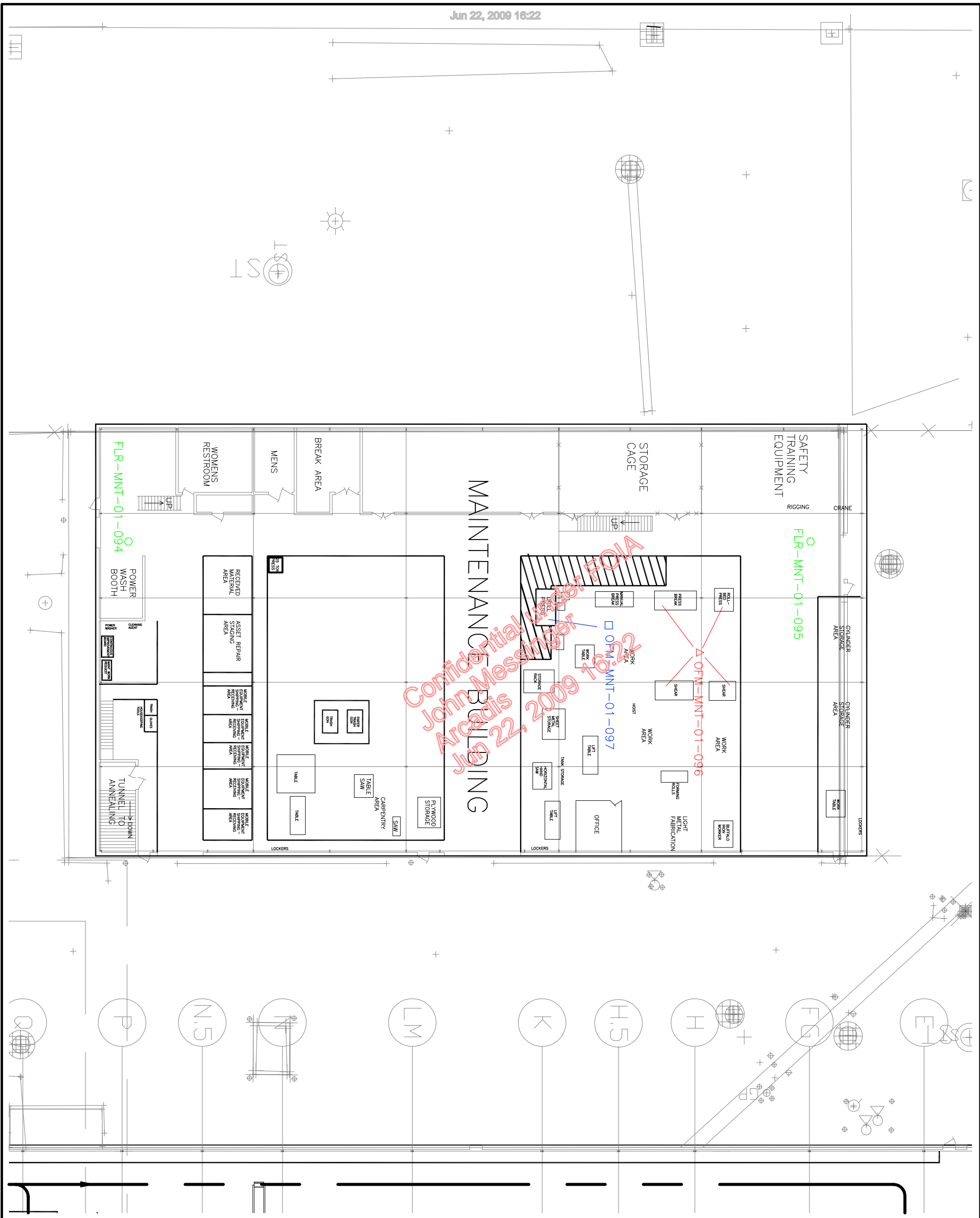
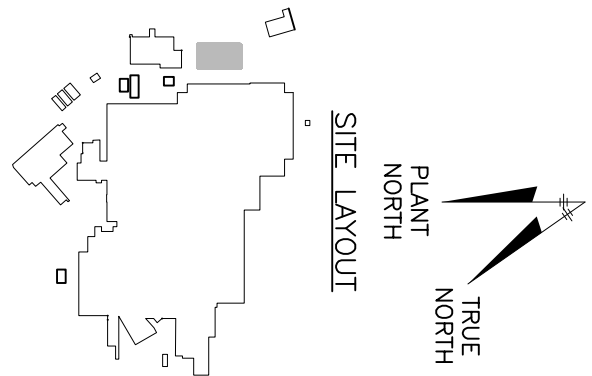


FIGURE 4



LEGEND

- ▲ FEA SAMPLE LOCATION - BULK
- FEA SAMPLE LOCATION - FLOOR CORING
- FEA SAMPLE LOCATION - WIPE

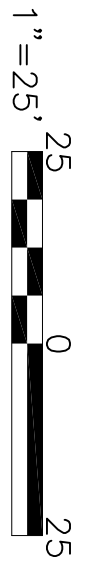
GENERAL NOTES:

1. SAMPLE LOCATIONS ARE APPROXIMATE

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SAGINAW, MI

FACILITY ENVIRONMENTAL ASSESSMENT

SAMPLE LOCATION MAP
MAINTENANCE BUILDING



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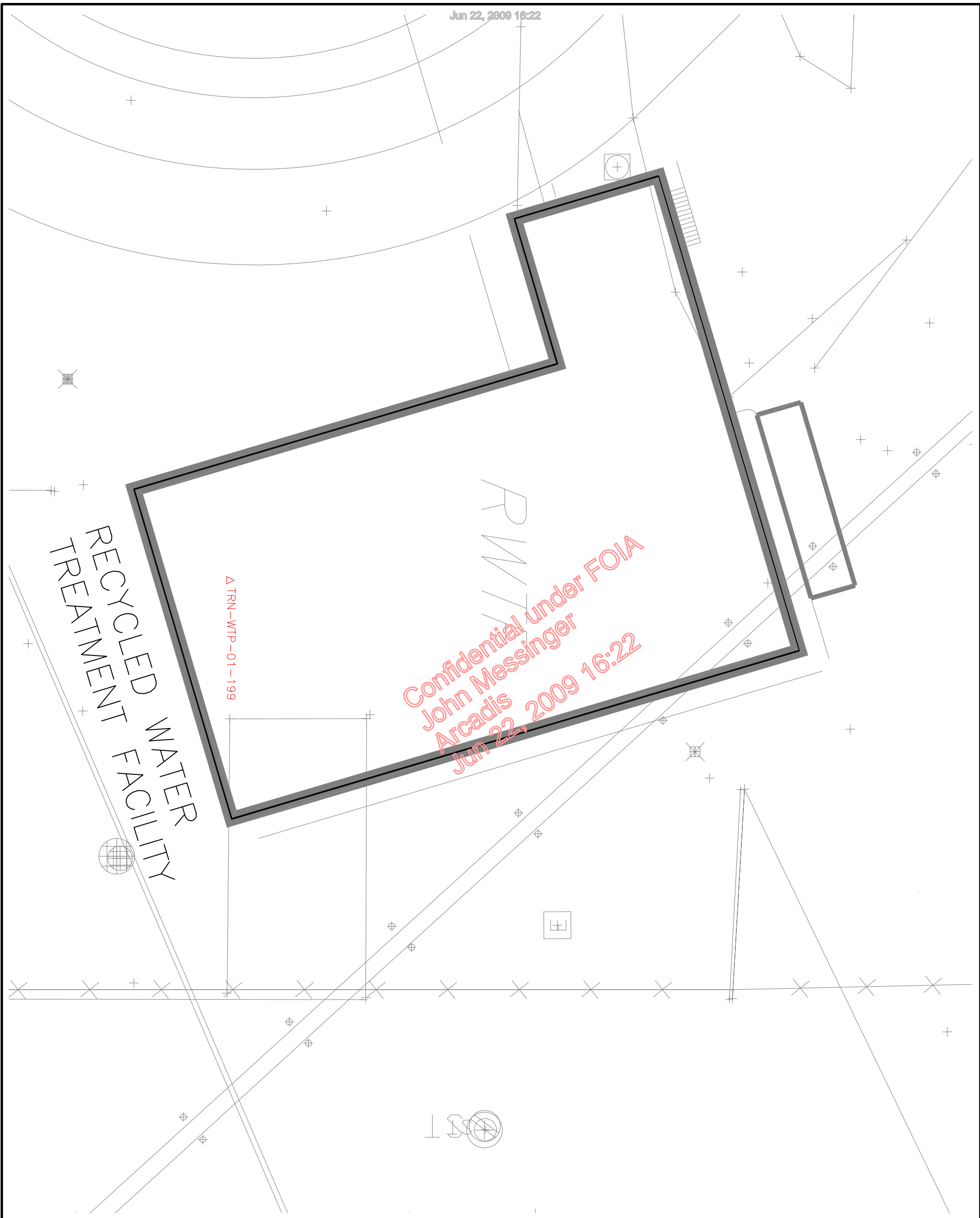
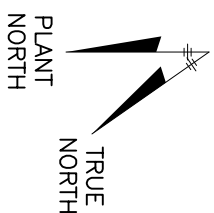
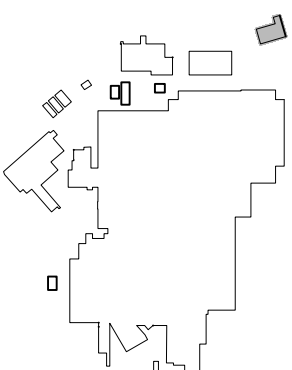


FIGURE 5



SITE LAYOUT



LEGEND

- Δ FEA SAMPLE LOCATION - BULK
- FEA SAMPLE LOCATION - FLOOR CORING
- FEA SAMPLE LOCATION - WIPE

GENERAL NOTES:

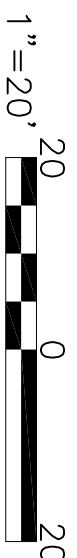
1. SAMPLE LOCATIONS ARE APPROXIMATE

FIGURE NOTES:

NONE

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 FACILITY ENVIRONMENTAL ASSESSMENT

SAMPLE LOCATION MAP
 RECYCLED WATER TREATMENT FACILITY



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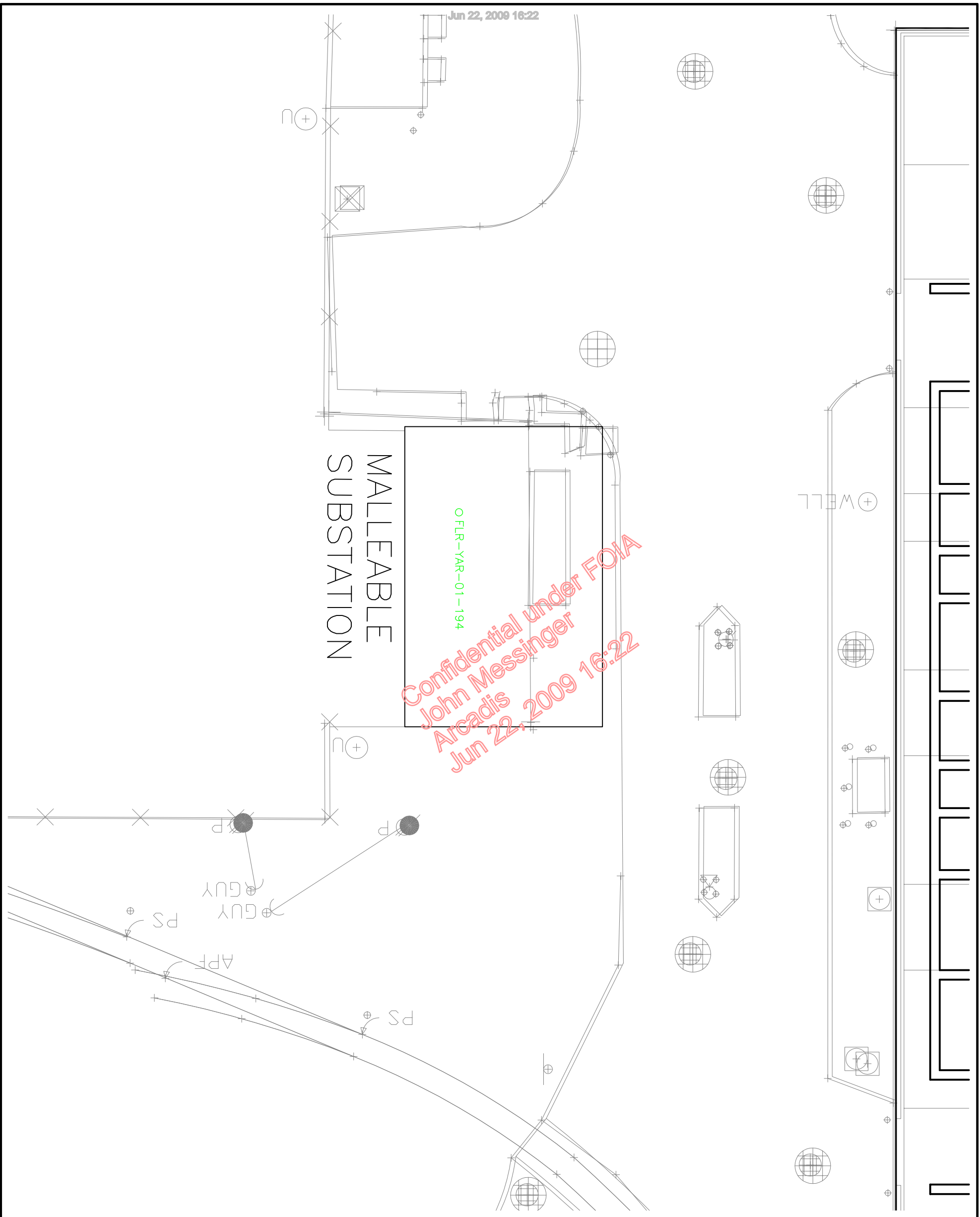
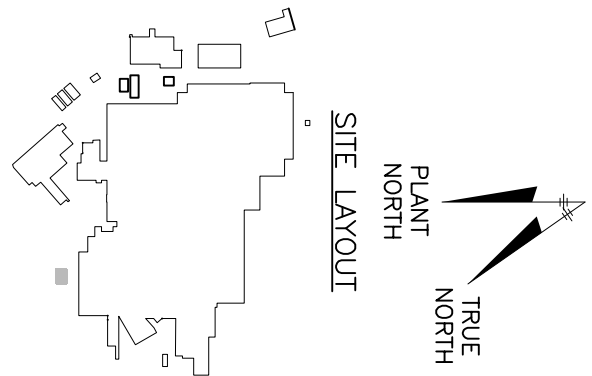


FIGURE 6



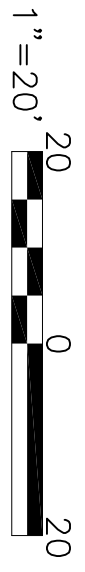
- LEGEND**
- ▲ FEA SAMPLE LOCATION - BULK
 - FEA SAMPLE LOCATION - FLOOR CORING
 - FEA SAMPLE LOCATION - WIPE

- GENERAL NOTES:**
1. SAMPLE LOCATIONS ARE APPROXIMATE
- FIGURE NOTES:**
- NONE

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SAGINAW, MI**

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ASSESSMENT**

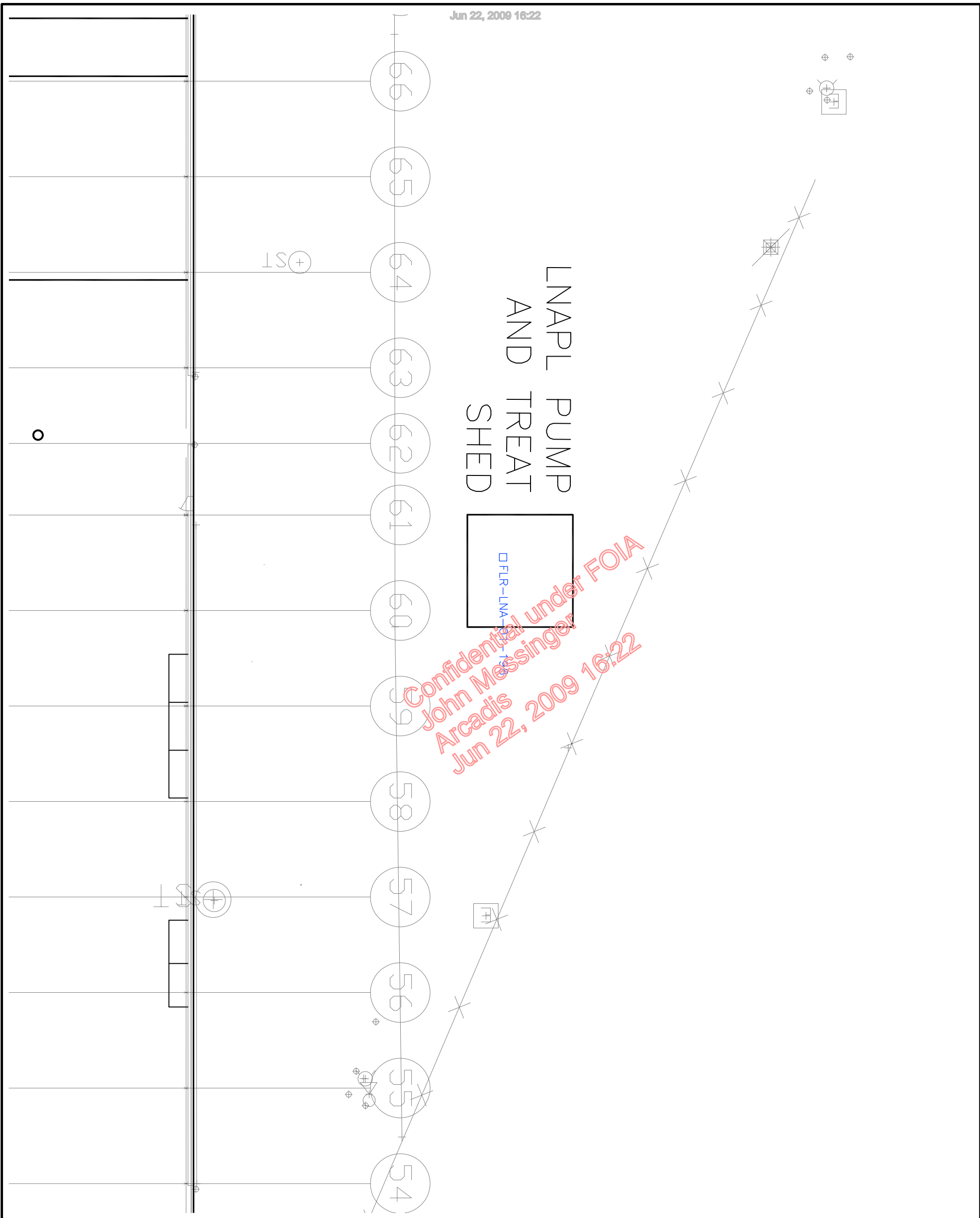
**SAMPLE LOCATION MAP
MALLEABLE
SUBSTATION**



FILE NO. 4966.39939-006
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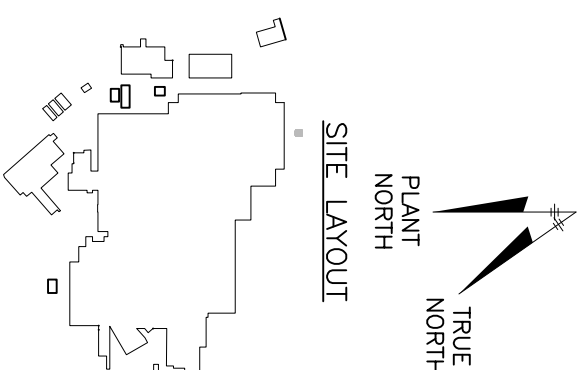


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FIGURE 7



LEGEND

- △ FEA SAMPLE LOCATION - BULK
- FEA SAMPLE LOCATION - FLOOR CORING
- FEA SAMPLE LOCATION - WIPE

GENERAL NOTES:

1. SAMPLE LOCATIONS ARE APPROXIMATE

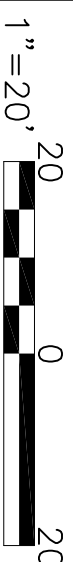
FIGURE NOTES:

1. LNAPL PUMP AND TREAT SHED WAS NOT IDENTIFIED ON DRAWINGS PROVIDED TO O'BRIEN & GERE. LOCATION AND SIZE OF STRUCTURE IS APPROXIMATE

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SAMPLE LOCATION MAP
 LNAPL PUMP AND TREAT SHED



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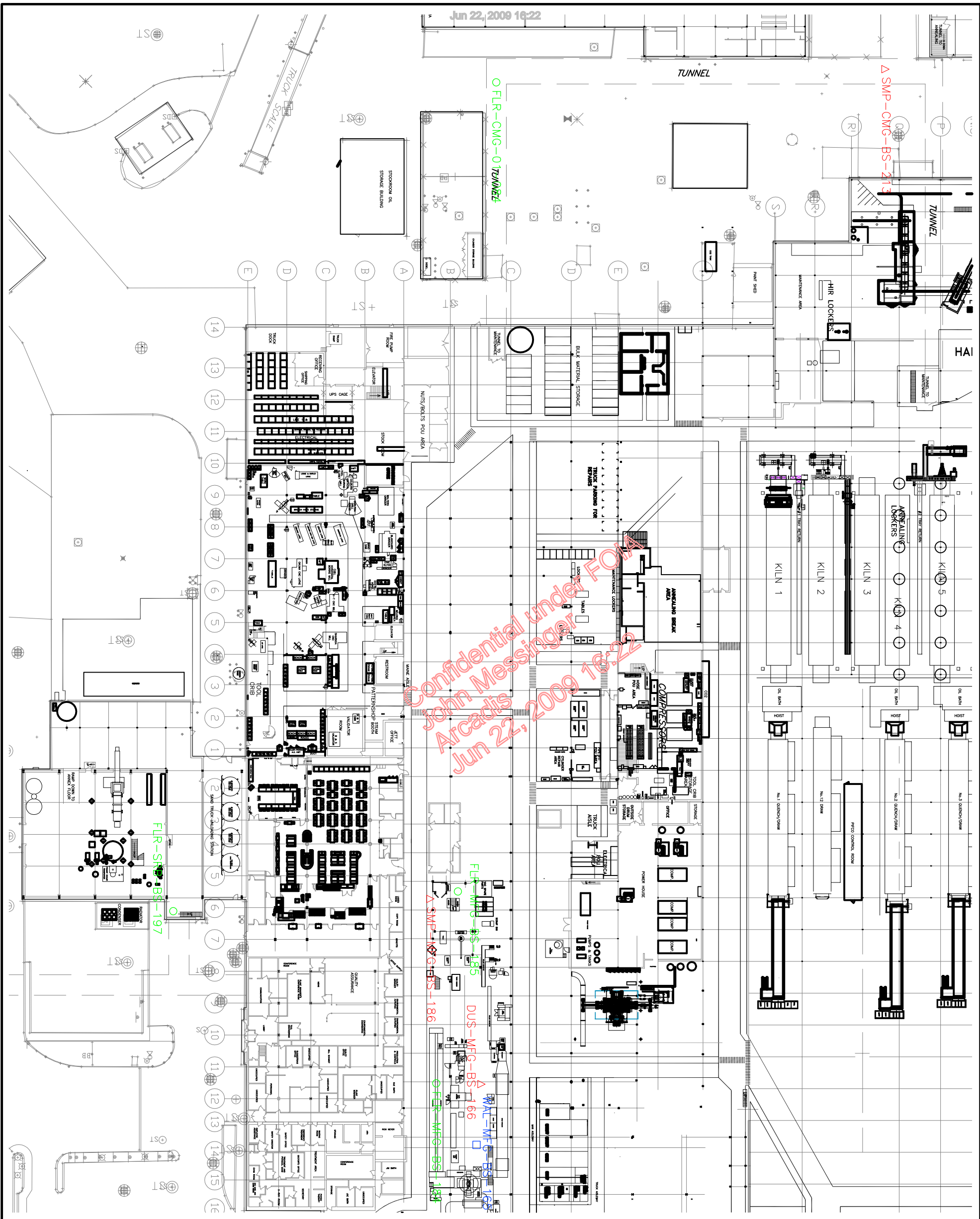
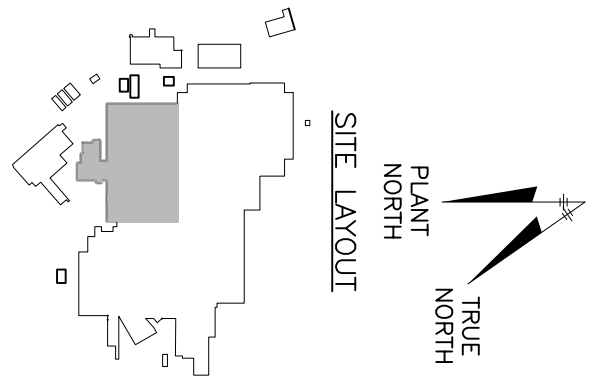


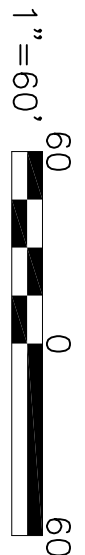
FIGURE 8



- LEGEND**
- ▲ FEA SAMPLE LOCATION - BULK
 - FEA SAMPLE LOCATION - FLOOR CORING
 - FEA SAMPLE LOCATION - WIPE
- GENERAL NOTES:**
1. SAMPLE LOCATIONS ARE APPROXIMATE

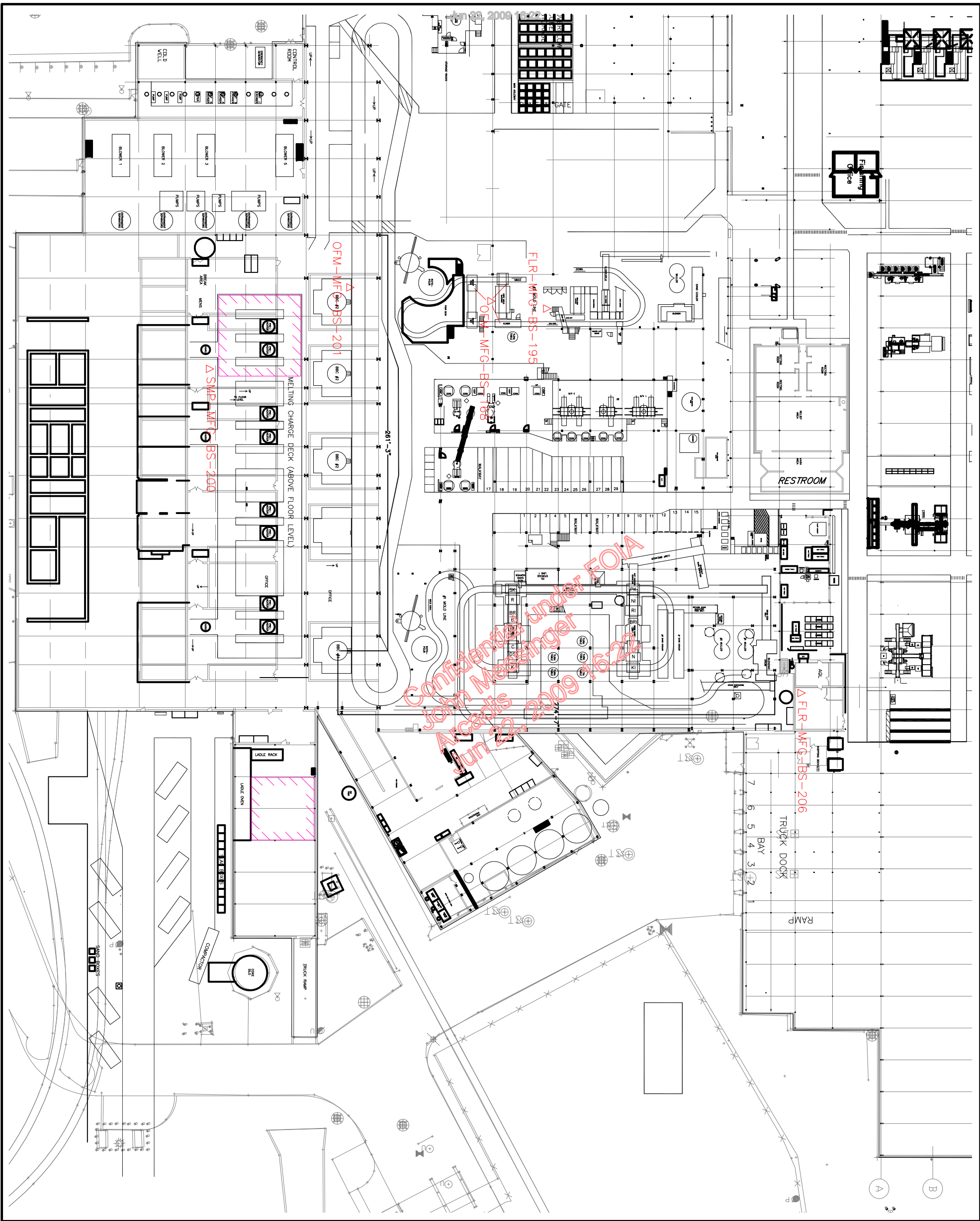
- FIGURE NOTES:**
1. BASEMENT AREAS NOT IDENTIFIED ON DRAWINGS SUPPLIED TO O'BRIEN & GERE. FIRST EQUIPMENT OUTLINES SHOWN ONLY AS REFERENCE

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SAGINAW, MI
FACILITY ENVIRONMENTAL ASSESSMENT
SAMPLE LOCATION MAP
MAIN FACILITY
(ADMIN & NORTHEAST)



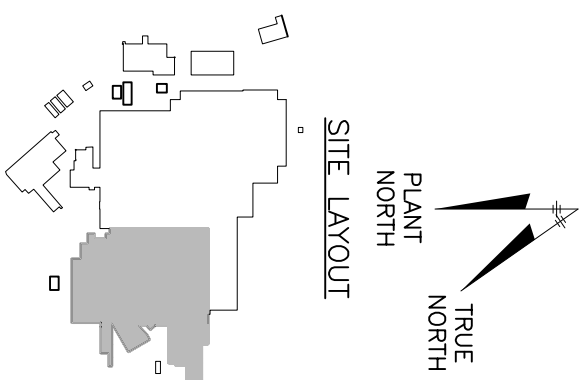
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FIGURE 9



LEGEND

- △ FEA SAMPLE LOCATION - BULK
- FEA SAMPLE LOCATION - FLOOR CORING
- FEA SAMPLE LOCATION - WIPE
- ▨ OTHER AREA OF KNOWN PCB IMPACT

GENERAL NOTES:

1. SAMPLE LOCATIONS ARE APPROXIMATE

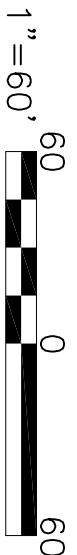
FIGURE NOTES:

1. BASEMENT AREAS NOT IDENTIFIED ON DRAWINGS SUPPLIED TO O'BRIEN & GERE, FIRST FLOOR EQUIPMENT OUTLINES SHOWN ONLY AS REFERENCE
2. LOCATION AND BOUNDARY OF OTHER KNOWN PCB IMPACTED AREAS ARE APPROXIMATE

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SAGINAW, MI

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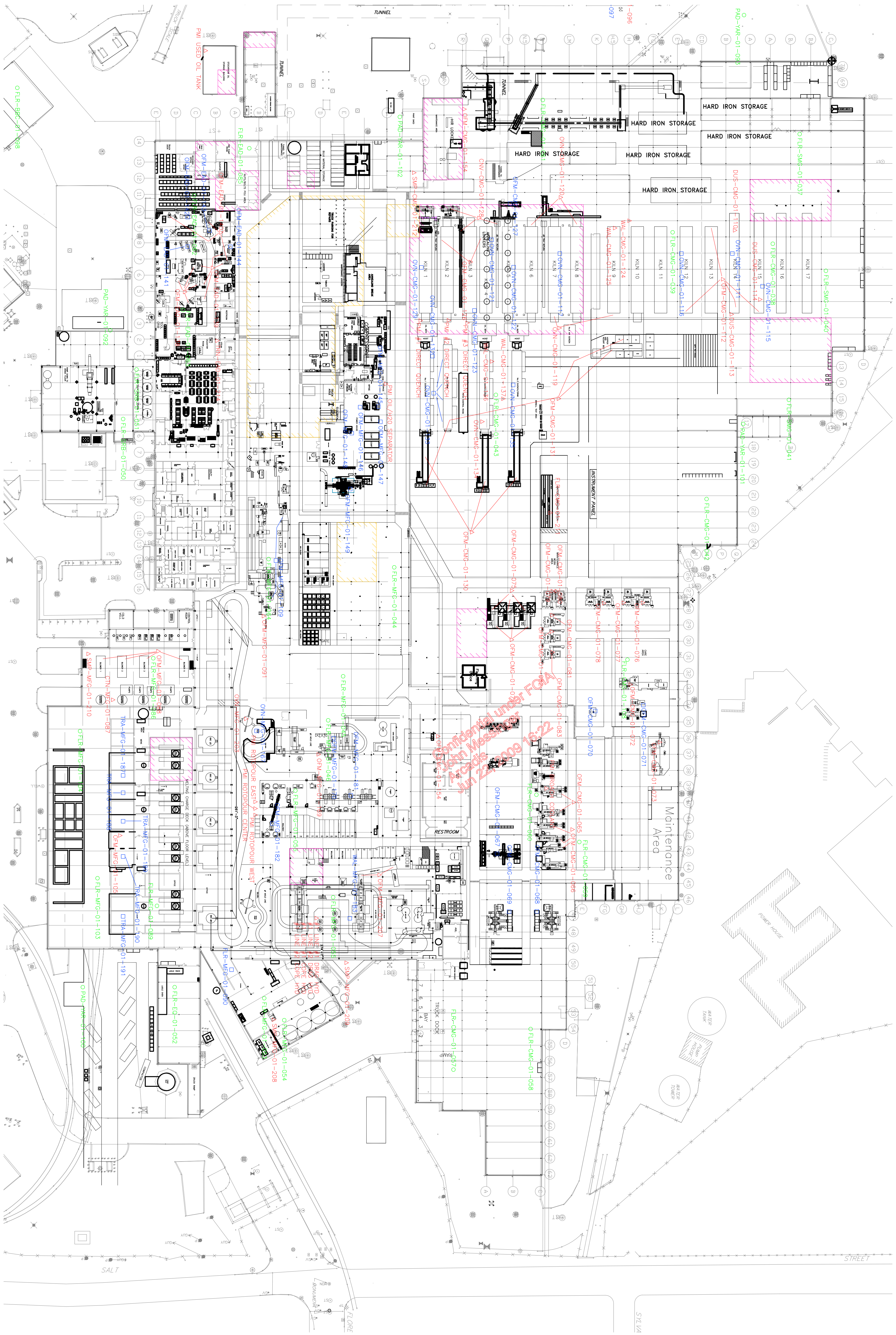
SAMPLE LOCATION MAP
MAIN FACILITY
BASEMENT
(WEST)



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 March 2007

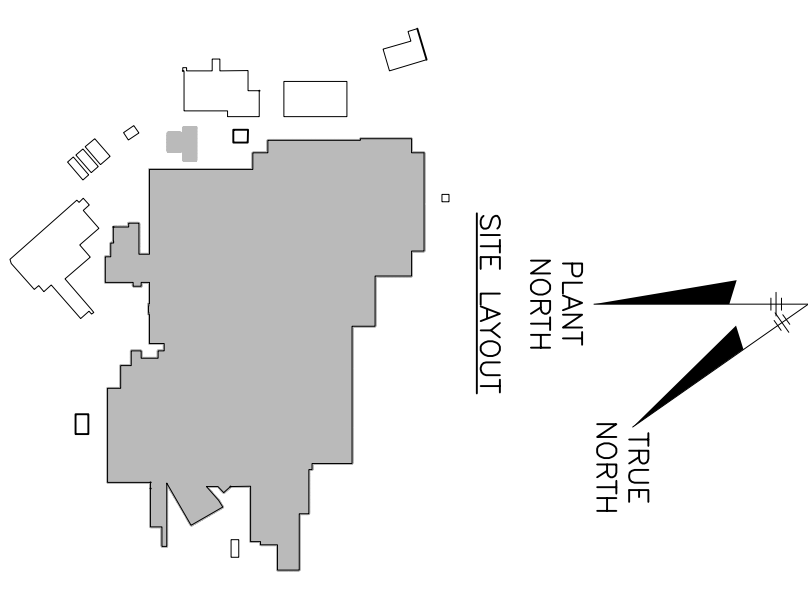


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FIGURE 10



- LEGEND**
- ▲ FEA SAMPLE LOCATION - BULK
 - FEA SAMPLE LOCATION - FLOOR CORING
 - FEA SAMPLE LOCATION - WIFE
 - ▨ ENCAPSULATED PCB IMPACTED FLOOR
 - ▨ OTHER AREA OF KNOWN PCB IMPACT

- GENERAL NOTES**
1. SAMPLE LOCATIONS ARE APPROXIMATE
- FIGURE NOTES**
1. SAMPLE OTM-CMG-01-154 IS COMPOSITE FROM TWO FIRST FLOOR LOCATIONS AND ONE THIRD FLOOR LOCATION
 2. COMPOSITE OTM-MFG-01-169 IS COMPOSITE FROM ONE FIRST FLOOR LOCATION AND ONE SECOND FLOOR LOCATION
 3. LOCATIONS AND BOUNDARIES OF KNOWN PCB IMPACT ARE APPROXIMATE

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**SAMPLE LOCATION MAP
 MAIN FACILITY
 FIRST FLOOR**

1" = 60'

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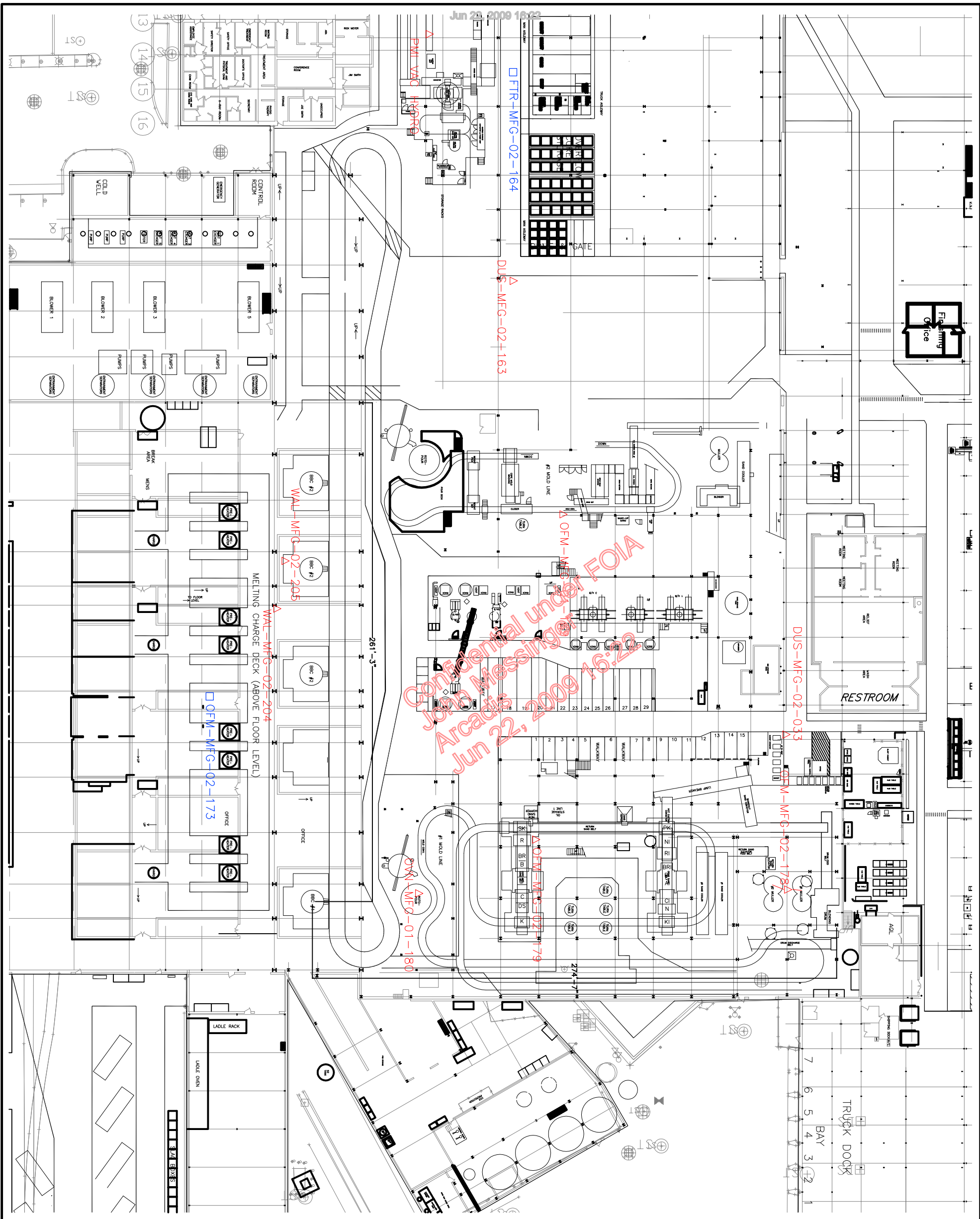
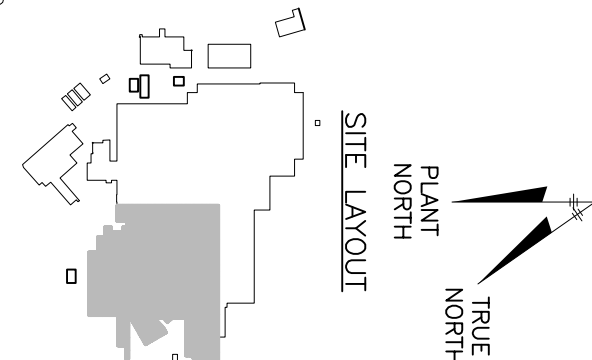


FIGURE 11



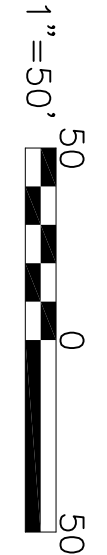
- LEGEND**
- ▲ FEA SAMPLE LOCATION - BULK
 - FEA SAMPLE LOCATION - FLOOR
 - CORING
 - FEA SAMPLE LOCATION - WIPE
- GENERAL NOTES:**
1. SAMPLE LOCATIONS ARE APPROXIMATE

- FIGURE NOTES:**
1. SECOND FLOOR AREAS NOT IDENTIFIED ON DRAWINGS SUPPLIED TO O'BRIEN & GIERE FOR REFERENCE ONLY
 2. SAMPLE OFM-MFG-01-169 IS COMPOSITE FROM ONE FIRST FLOOR LOCATION AND ONE SECOND FLOOR LOCATION

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SAGINAW, MI**

FACILITY ENVIRONMENTAL ASSESSMENT

**SAMPLE LOCATION MAP
MAIN FACILITY
SECOND FLOOR
(WEST)**



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March 2007



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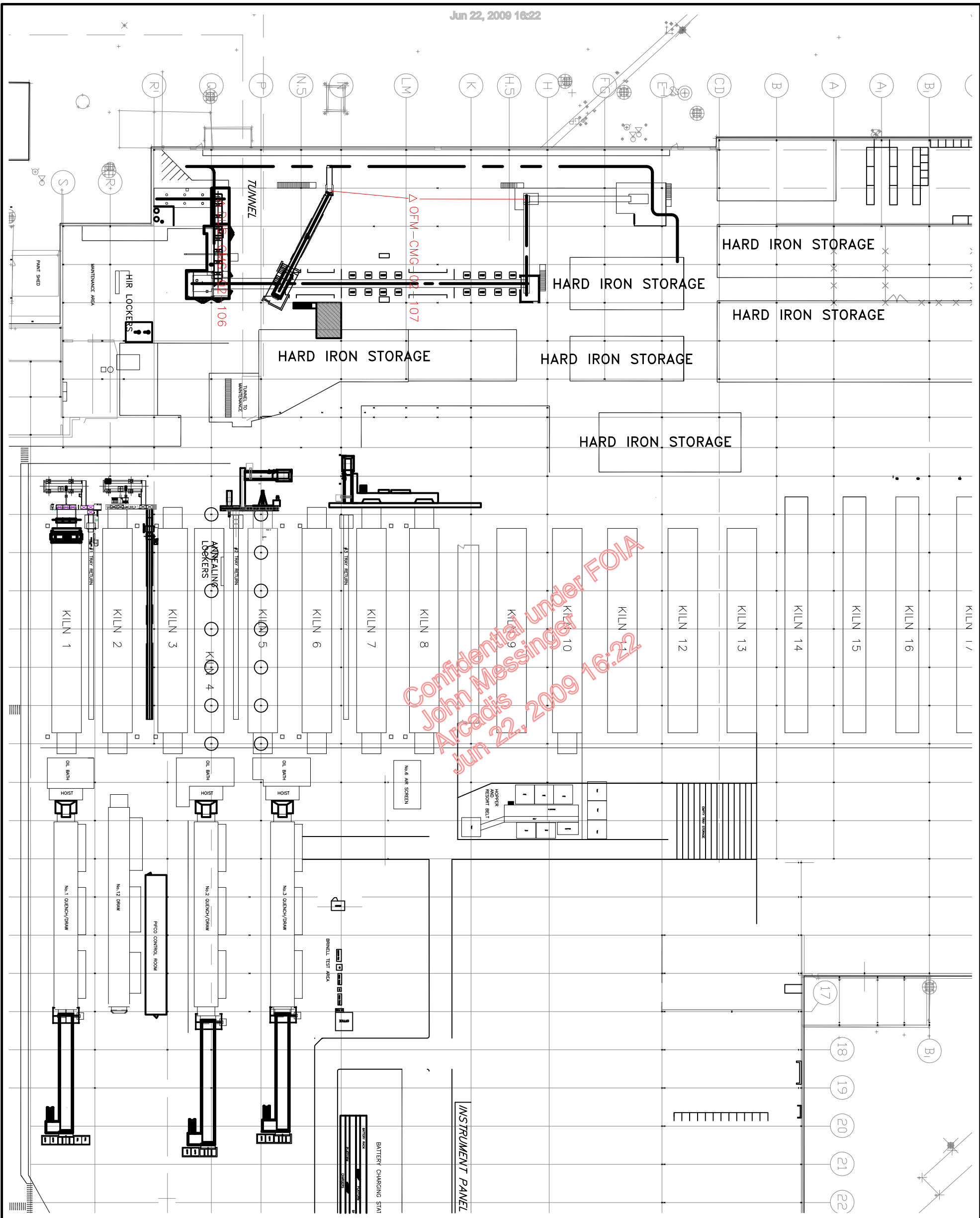
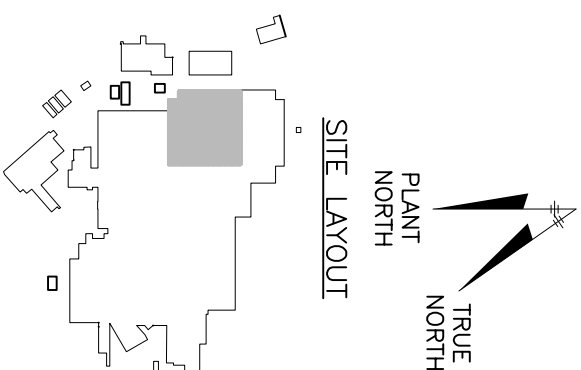


FIGURE 12



LEGEND

- Δ FEA SAMPLE LOCATION - BULK
- O FEA SAMPLE LOCATION - FLOOR CORING
- FEA SAMPLE LOCATION - WIPE

GENERAL NOTES:

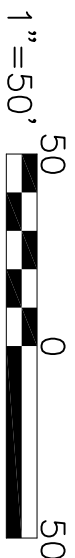
1. SAMPLE LOCATIONS ARE APPROXIMATE

FIGURE NOTES:

1. SECOND FLOOR AREAS NOT IDENTIFIED ON DRAWINGS SUPPLIED TO O'BRIEN & GIERE. FLOOR EQUIPMENT OUTLINES SHOWN FOR REFERENCE ONLY

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SAMPLE LOCATION MAP
MAIN FACILITY
SECOND FLOOR
(EAST)



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March 2007



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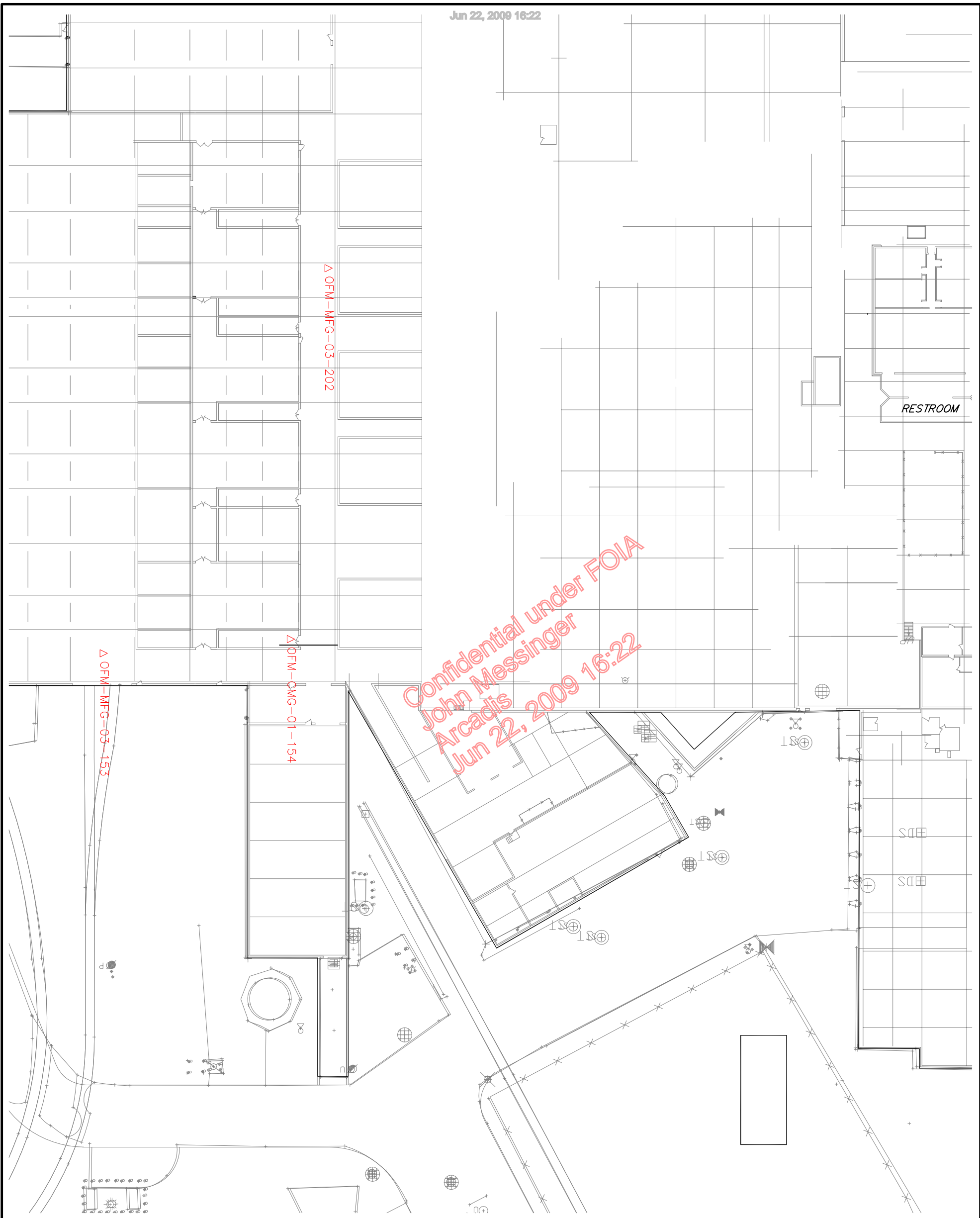
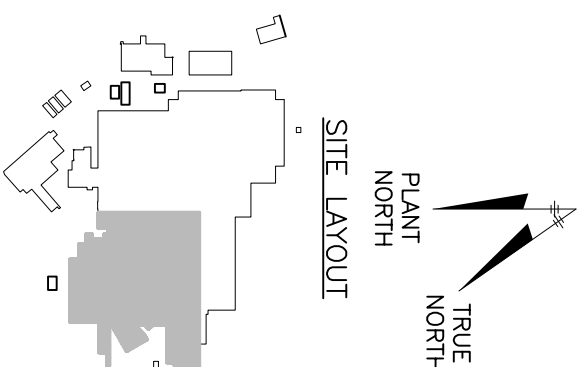


FIGURE 13



LEGEND

- Δ FEA SAMPLE LOCATION - BULK
- FEA SAMPLE LOCATION - FLOOR CORING
- FEA SAMPLE LOCATION - WIPE

GENERAL NOTES:

1. SAMPLE LOCATIONS ARE APPROXIMATE

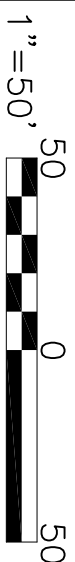
FIGURE NOTES:

1. THIRD FLOOR LAYOUT NOT IDENTIFIED ON DRAWINGS SUPPLIED TO O'BRIEN & GIERE. SAMPLE LOCATIONS TO BE REFERENCED BASED ON COLUMN GRID LINES
2. SAMPLE OFM-CMG-01-154 IS COMPOSITE FROM TWO FIRST FLOOR LOCATIONS AND ONE THIRD FLOOR LOCATIONS

**GENERAL MOTORS CORPORATION
SAGINAW MALLEABLE IRON
SAGINAW, MI**

**FACILITY ENVIRONMENTAL
ASSESSMENT**

**SAMPLE LOCATION MAP
MAIN FACILITY
THIRD FLOOR
(WEST)**



FILE NO. 4966.39939-013
March 2007

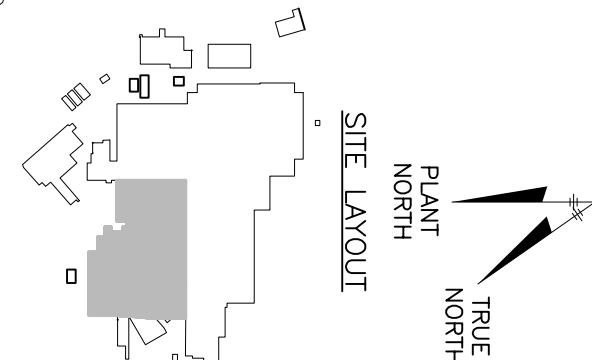


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FIGURE 14



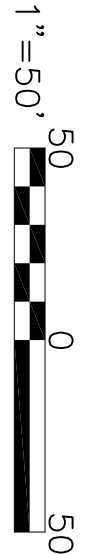
- LEGEND**
- ▲ FEA SAMPLE LOCATION - BULK
 - FEA SAMPLE LOCATION - FLOOR CORING
 - FEA SAMPLE LOCATION - WIPE
 - ▨ ENCAPSULATED PCB IMPACTED FLOOR

GENERAL NOTES:
 1. SAMPLE LOCATIONS ARE APPROXIMATE

- FIGURE NOTES:**
1. FOURTH FLOOR LAYOUT NOT IDENTIFIED IN DRAWINGS SUPPLIED TO O'BRIEN & GERE. SAMPLE LOCATIONS TO BE REFERENCED BASED ON COLUMN GRID LINES
 2. LOCATIONS AND BOUNDARIES OF ENCAPSULATED SUBSTATION FLOORS ARE APPROXIMATE

GENERAL MOTORS CORPORATION
SAGINAW MALLEABLE IRON
SAGINAW, MI
FACILITY ENVIRONMENTAL ASSESSMENT

SAMPLE LOCATION MAP
MAIN FACILITY
FOURTH FLOOR
(WEST)



FILE NO. 4966.39939-014
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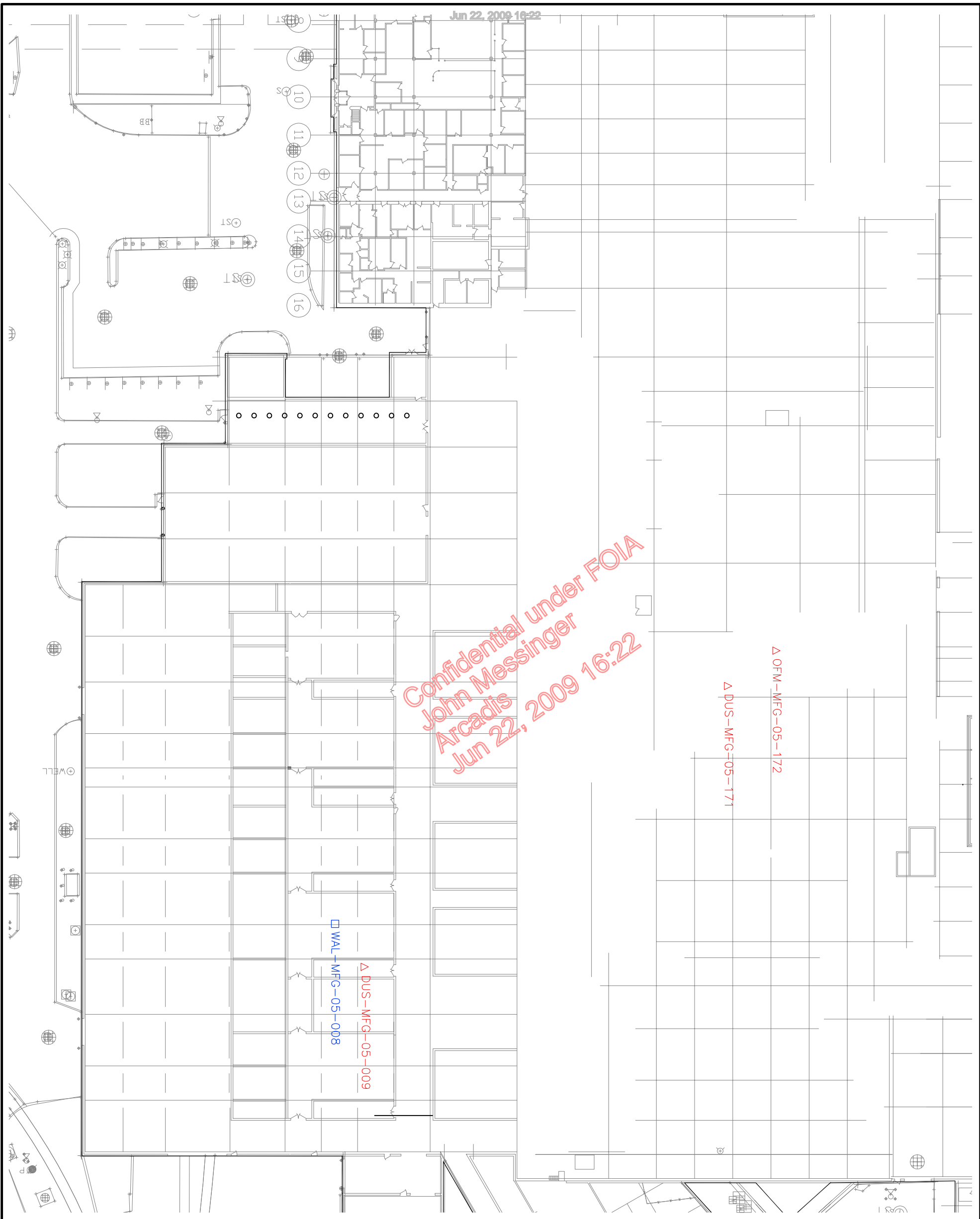
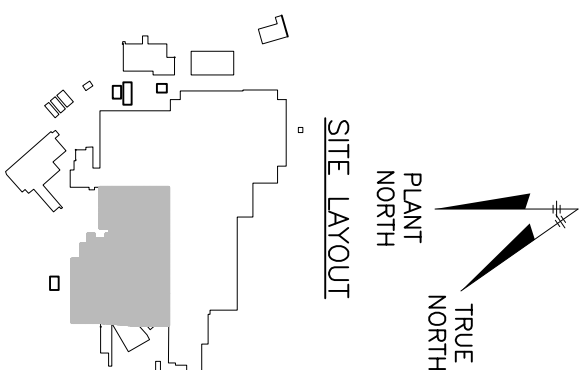


FIGURE 15



LEGEND

- Δ FEA SAMPLE LOCATION - BULK
- FEA SAMPLE LOCATION - FLOOR CORING
- FEA SAMPLE LOCATION - WIPE

GENERAL NOTES:

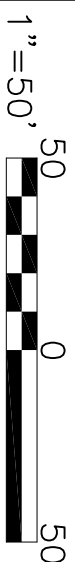
1. SAMPLE LOCATIONS ARE APPROXIMATE

FIGURE NOTES:

1. FIFTH FLOOR LAYOUT NOT IDENTIFIED ON DRAWINGS SUPPLIED TO O'BRIEN & GIERE. SAMPLE LOCATIONS TO BE REFERENCED BASED ON COLUMN GRID LINES

GENERAL MOTORS CORPORATION
SAGINAW MALLEABLE IRON
SAGINAW, MI
FACILITY ENVIRONMENTAL ASSESSMENT

SAMPLE LOCATION MAP
MAIN FACILITY
FIFTH FLOOR
(WEST)



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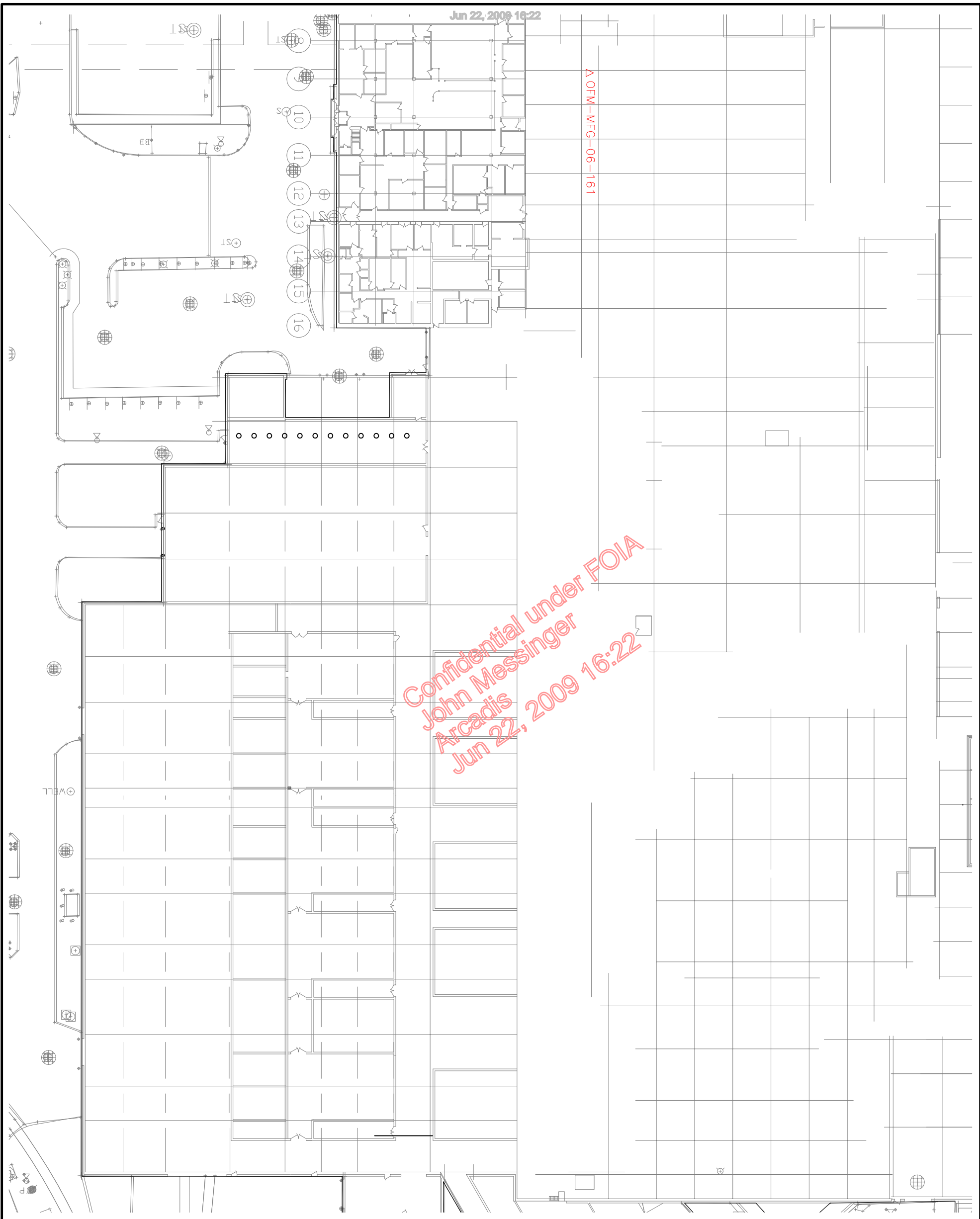
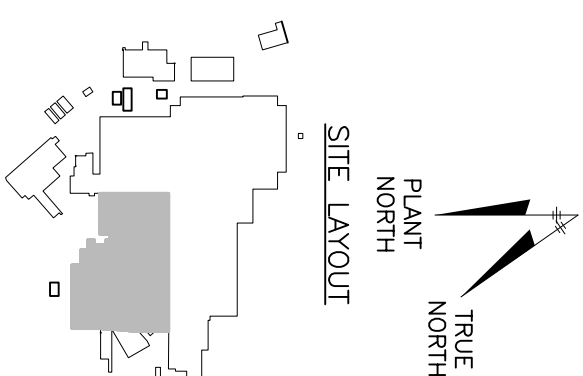


FIGURE 16



LEGEND

- Δ FEA SAMPLE LOCATION - BULK
- FEA SAMPLE LOCATION - FLOOR CORING
- FEA SAMPLE LOCATION - WIPE

GENERAL NOTES:

1. SAMPLE LOCATIONS ARE APPROXIMATE

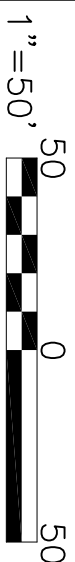
FIGURE NOTES:

1. SIXTH FLOOR LAYOUT NOT IDENTIFIED ON DRAWINGS SUPPLIED TO O'BRIEN & GIERE. SAMPLE LOCATIONS TO BE REFERENCED BASED ON COLUMN GRID LINES

GENERAL MOTORS CORPORATION
SAGINAW MALLEABLE IRON SAGINAW, MI

FACILITY ENVIRONMENTAL ASSESSMENT

SAMPLE LOCATION MAP
MAIN FACILITY
SIXTH FLOOR
(WEST)

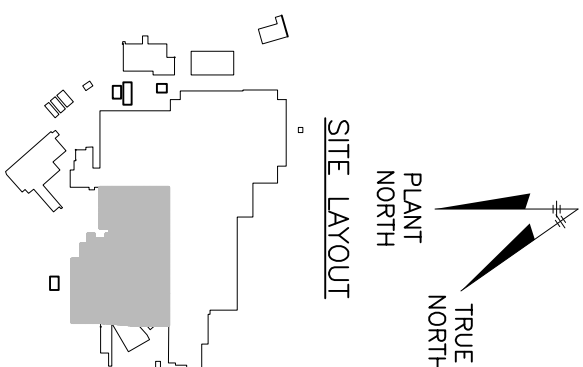


FILE NO. 4966.39939-016
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FIGURE 17



LEGEND

- ▲ FEA SAMPLE LOCATION - BULK
- FEA SAMPLE LOCATION - FLOOR CORING
- FEA SAMPLE LOCATION - WIPE

GENERAL NOTES:

1. SAMPLE LOCATIONS ARE APPROXIMATE

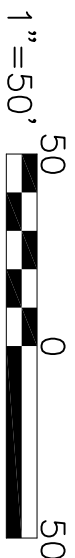
FIGURE NOTES:

1. NINTH FLOOR LAYOUT NOT IDENTIFIED ON DRAWINGS SUPPLIED TO O'BRIEN & GIERE. SAMPLE LOCATIONS TO BE REFERENCED BASED ON COLUMN GRID LINES

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SAGINAW MALLEABLE IRON SAGINAW, MI

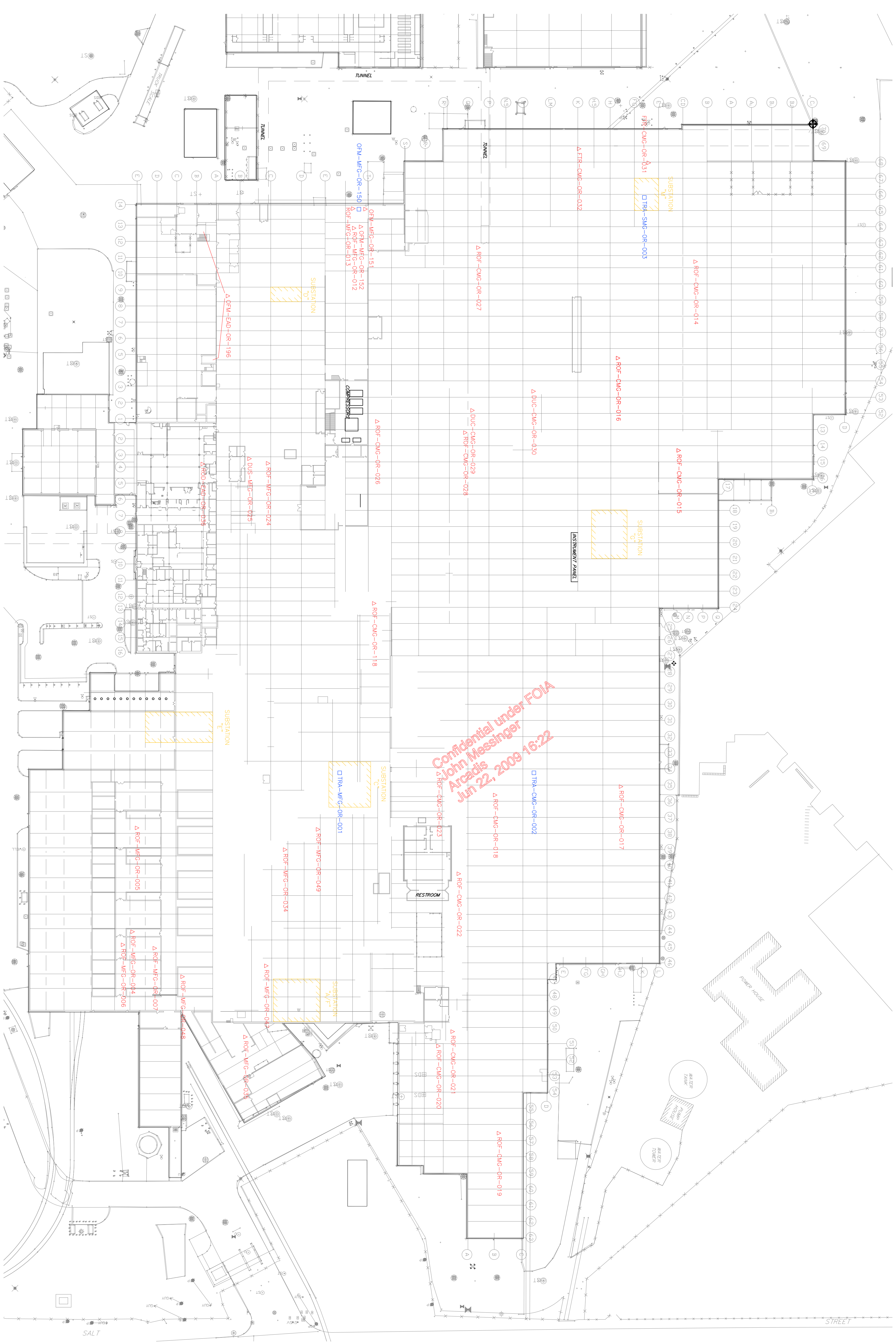
FACILITY ENVIRONMENTAL ASSESSMENT

SAMPLE LOCATION MAP
MAIN FACILITY
NINTH FLOOR
(WEST)



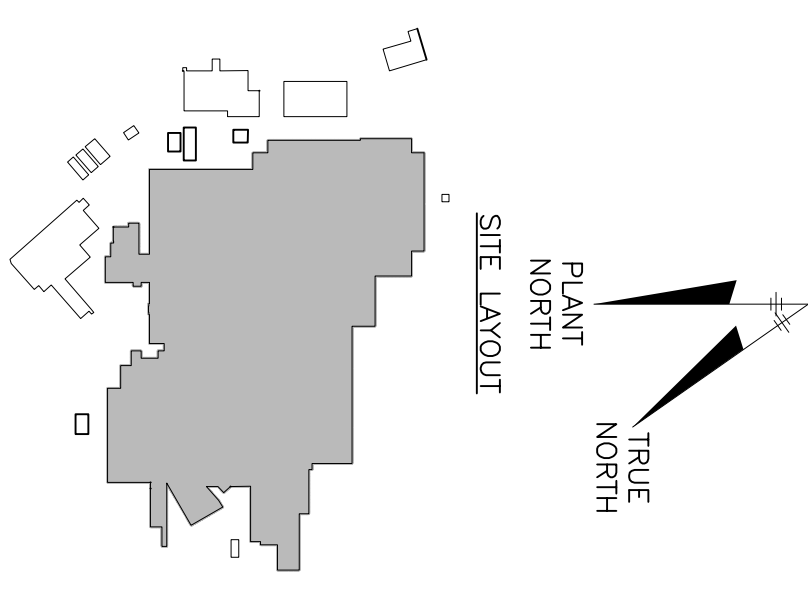
FILE NO. 4966.39939-017
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FIGURE 18



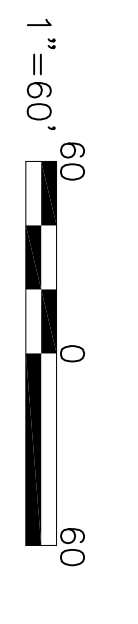
- LEGEND
- Δ FEA SAMPLE LOCATION - BULK
 - FEA SAMPLE LOCATION - FLOOR CORING
 - FEA SAMPLE LOCATION - WIRE
 - ▨ ENCAPSULATED PCB IMPACTED FLOOR

GENERAL NOTES:
 1. SAMPLE LOCATIONS ARE APPROXIMATE
 2. LOCATIONS AND BOUNDARIES OF ENCAPSULATED SUBSTATION FLOORS ARE APPROXIMATE

GENERAL MOTORS CORPORATION
 SAGINAW MALLEABLE IRON SAGINAW, MI

FACILITY ENVIRONMENTAL ASSESSMENT

SAMPLE LOCATION MAP
 MAIN FACILITY ROOF



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APPENDIX A

Asbestos survey (prepared by EKS services)

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**BUILDING INSPECTION
FOR ASBESTOS**

**Saginaw Malleable Iron
77 West Center Street
Saginaw, MI 48602**

Prepared for:

**GM Remediation/Plant Decommissioning Group
WFG – Environmental Services
Mail Code 483-520-190
2000 Centerpoint Parkway
Pontiac, MI 48341-3147**

**EKS PROJECT NUMBER
4965**

**PREPARED BY
EKS Services Incorporated
1927 Rosa Parks Blvd. Suite 110
Detroit, MI 48216**

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FIGURE 7 Drawing – Main Plant Locker Rooms & Tunnel

FIGURE 8 Drawing – Main Plant Maintenance Building

FIGURE 9 Drawing – Main Plant SMILE Center

FIGURE 10 Drawing – Main Plant Waste Water Treatment Plant

APPENDIX A – Analytical Laboratory Results and Chain of Custody

APPENDIX B – Pictures of Asbestos-Containing Materials Per GM

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Building Inspection for Asbestos
General Motors Corporation
Saginaw Malleable Iron
77 West Center Street
Saginaw, MI 48602

EXECUTIVE SUMMARY

General Motors Corporation retained EKS Services Incorporated (EKS) to conduct a building inspection for the presence of asbestos-containing materials (ACM) at the Saginaw Malleable Iron located at 77 West Center Street, Saginaw, MI 48602. The scope of work for the survey included interior and exterior building components and thermal system insulation materials. The survey was conducted on the dates of December 4th – 8th and 11th – 15th of 2006, January 2nd, 8th – 12th and 16th of 2007 by Elizabeth Popowich #A34317 and Bryan Dunn # A34269 of EKS Services Incorporated. The survey, sampling and analysis were conducted in accordance with the requirements of OSHA 29 CFR 1910.1001 (j)(8) and 40 CFR Part 61.145(a).

The survey was conducted in 11 separate buildings located within the General Motors Saginaw Malleable Iron. The survey included the Switch House, LNAPL Treatment, Oil Storage, SMILE Center, Gas Building, Guard Shack, Maintenance Building, Waste Water Treatment Building, Butler 2 & 3, Locker Rooms and Tunnels and the Main Plant. The Property layout and locations of these buildings are located in Appendix D.

Bulk samples were submitted to Merit Laboratory that in turn sent the samples to Fibertec, Inc, a NVLAP accredited laboratory that participates in a Quality Assurance Program for asbestos fiber identification. Analysis of bulk samples was performed in accordance with the EPA/600/M4-82/020 method for asbestos using polarized light microscopy (PLM)/ dispersion staining. General Motors requested that the laboratory use the “stop at first positive” technique while analyzing the samples. A material is considered an asbestos-containing material if the amount of asbestos is equal to or greater than 1% by weight. Of the 341 samples that were collected by EKS, 440 analyses were performed based on samples with multiple layers and 58 samples were not analyzed due to the “stop at first positive” technique.

A complete list of all PACM and ACM materials can be found in Appendix A. The following material tested positive for asbestos at the General Motors Saginaw Metal Casting Operation:

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MAIN PLANT – Per General Motors’ previous surveys, materials that are to be treated as positive include all city water pipe fittings on non-fiberglass lines, all city water pipe insulation, all city water pipe fittings on fiberglass, all unidentified pipe fittings on non-fiberglass lines, all unidentified pipe fittings on fiberglass line, all unidentified pipe insulation, all steam pipe fittings on fiberglass lines, 12” x 12” black and white checkerboard pattern floor tile (2 types of tile), arc chutes located in panels marked “480 Volts”, roof duct insulation, roofing material and flashing galbestos panels, gaskets, heat shields, painted windows, pink sink undercoating, siding material on roof, roofing material and flashing. Through EKS sampling, all non-potable pipe fittings on pipe insulation, all non-potable pipe fittings on non-fiberglass lines, 12” x 12” black with white streak floor tile with green floor tile underneath, 12” x 12” brown busy pattern floor tile with mastic, 12” x 12” cream with grey streak floor tile with mastic, 12” x 12” grey busy pattern floor tile with mastic, 12” x 12” grey with white speck floor tile with mastic, 12” x 12” light green and white speck floor tile, 9” x 9” dark brown floor tile, 9” x 9” green floor tile with mastic, 9” x 9” white with black streak floor tile with mastic, door frame caulk, exterior building caulk, exterior wall penetration caulk, glass block-to-brick caulk, green laminate flooring, green linoleum with mastic, grey roof caulk, grey rock pattern linoleum flooring, vent frame caulk, white sink undercoating, window caulk, window glazing, yellow carpet glue and yellow rock pattern linoleum flooring contain asbestos. EKS assumed black isolation joints, black paper on duct, cloth on bottom of garage door, cloth wire insulation, fire doors and fire door frames to be positive. Tank insulation located in the attic and inaccessible due to its height off the ground, was assumed positive along with a small amount of white cloth insulation found on an active transformer.

LOCKER ROOMS & TUNNELS – Per General Motors’ previous surveys, all steam pipe fittings on non-fiberglass lines, all steam pipe insulation and all unidentified pipe fittings on non-fiberglass lines were found positive. EKS found all city water pipe insulation, all city water pipe fittings, interior window glazing on windows in doors, 12” x 12” black with brown floor tile with mastic, 12” x 12” grey floor tile with mastic, exterior building caulk, exterior window caulk and exterior door frame caulk to be positive. EKS assumed positive black isolation joints, fire doors and fire door frames.

BUTLER BUILDING 2 & 3 – EKS assumed positive fire doors and fire door frames. No survey was conducted prior to the investigation performed by EKS.

WASTE WATER TREATMENT CENTER – EKS assumed positive fire doors, fire door frames, lab countertops and test tube holders. No survey was conducted prior to the investigation performed by EKS.

MAINTENANCE BUILDING – Per General Motors’ previous surveys, materials that are to be treated positive is rock pattern floor covering with paper

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backing. Through sampling conducted by EKS, roof duct insulation was found positive. EKS assumed positive fire doors and fire door frames.

GUARD SHACK - Per sampling conducted by EKS the 12" x 12" cream floor tile with mastic was found to be positive. No survey was conducted prior to the investigation performed by EKS.

GAS BUILDING – Per sampling conducted by EKS, the interior wall caulk and tar found on the overhang and roof was found positive. No prior survey was completed before this time.

SMILE CENTER – Per survey conducted by EKS the only materials to be treated as positive are the assumed fire doors and fire door frames.

OIL STORAGE – Per General Motors' previous survey, the paint on the windows were found to contain asbestos. Per EKS sampling the window glazing found on the windows are to be treated positive. EKS assumed positive the fire doors and fire door frames.

SWITCH HOUSE – EKS assumed positive the fire doors and fire door frames. No other suspect ACM material was found.

LNAPL TREATMENT – No suspect material was found.

Certain suspect materials were assumed by EKS to be asbestos-containing materials. Materials that were assumed positive were building components that through sampling could destroy or damage the structural integrity of the component (i.e., fire doors and fire frames). Cloth wire insulation was assumed positive because EKS could not safely determine whether the electrical system was active. The quantification of the cloth wire insulation was based on visible wires. EKS believes there may be more insulation running through the conduits.

1.0 INTRODUCTION

General Motors retained EKS Services Incorporated (EKS) to conduct a building inspection for the presence of asbestos-containing materials (ACM) at the Saginaw Malleable Iron located at 77 West Center Street, Saginaw, MI 48602.

The survey was conducted on the dates of December 4th – 8th and 11th – 15th of 2006, January 2nd, 8th – 12th and 16th of 2007 by Elizabeth Popowich #A34317 and Bryan Dunn #A34269 of EKS Services Incorporated. The survey, sampling and analysis were conducted in accordance with the requirements of OSHA 29 CRF 1910.1001 (j)(8) and 40 CFR Part 61.145(a).

EKS found that the CAD drawings provided have a different “Plant North” than the postings located throughout the main plant. EKS used the postings located on the walls through out the facility for references in locations of material. For the purpose of the survey and the report, the EKS “Plant North” is 90 degrees counterclockwise from the “Plant North” on the CAD drawings.

EKS obtained historical information regarding the facility by speaking with Renee Mietz of environmental and Tom Williams of engineering. EKS was informed of the following information:

- There are ACM gaskets in air compressors on the roof that can only be accessible once the plant is de-energized.
- There are 6 lights located on the roof of the main plant that contain an ACM cloth. EKS was unable to find the location of these lights for safety reasons. (Roof access is restricted to greater than 6 feet from the roof line where the lights were located) Tom Williams will try to label these lights before decommissioning begins. (See Appendix B)
- The paint on the windows located in the Main Plant and the Oil Storage Building contain asbestos. (See Appendix B)
- EKS noted any visible cloth wire insulation located throughout the Main Plant and the additional buildings. GM and EKS believe that there is additional hidden insulation in the older Kilns, the Core Room and throughout the power distribution conduits. There may also be hidden cloth wire insulation throughout any or all of the machinery within the buildings. This insulation may be found once the plant is de-energized.
- Throughout the main plant, there are 1,050 circuit breaker / panels that contain either asbestos paper, transite backing or asbestos blocks within the unit. EKS was unable to open any panels for safety reasons since the facility runs on an ungrounded system. Tom Williams informed EKS that for the most part (but not always) if the panels have no insulation on the handles, then the unit contains asbestos. (See appendix B for example pictures). Tom Williams had labeled some of the units with asbestos

stickers and will try to label the rest before decommissioning begins. If labeling has not been completed at the time decommissioning begins, these panels can be located once de-energized.

- Per Tom Williams, Substation J contains asbestos arc chutes in the breakers labeled “480 Volts”. Tom believes that the rest of the arc chutes in the remainder of the substations are copper.
- There are two exterior ground level substations on the property that are owned by Consumer Energy. GM instructed EKS to not survey these buildings.
- Renee Mietz believes that by April of 2007, kilns 16 & 17 will be abated of all ACM gaskets. Abatement may continue on the remainder of the kilns while plant operation continues.
- EKS sampled the felt insulation that was visible in one of the shut down melting furnaces. This material came back negative and is to be treated negative in the furnaces that were active at the time of the inspection.
- Per previous GM sampling, the fire brick and/or block insulation found in the machinery located in the main plant is to be treated as negative.

1.1 **BUILDING DESCRIPTION**

EKS Services Incorporated was instructed to conduct a survey entire property of General Motors Saginaw Malleable Iron facility. These buildings are the Main Plant, Maintenance Building, the Locker Rooms and Tunnels, Waste Water Treatment Plant, the Switch House, LNAPL Building, Oil Storage, SMILE Center, Gas Building, Guard Shack and Butler Buildings 2 & 3. EKS was provided by General Motors past surveys that were conducted in these areas and was asked to compare the findings and add any additional items and quantifications to create a finalized survey in preparation for the decommissioning of the selected buildings. This information is assumed to be complete and accurate.

Butler Buildings 2 & 3 are 2 stand-alone buildings located in the northeast area of the property. They have metal framework and a metal roof. The buildings have been evacuated and are now empty.

The Guard Shack is a small stand-alone building located at the northeast corner of the property. It is elevated above ground level by a single flight of stairs. It has a metal frame and metal roof.

The Gas Building is a small stand-alone building located on the south side of the property. It has a brick frame and an ACM tar roof. This building holds flammable gases.

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The SMILE Center is a portable trailer located on the south end of the facility. It is used for training employees. It has a metal frame and roof. EKS was unsure whether the trailer would remain during decommissioning or be transferred to another facility.

The Oil Storage Building is a stand-alone building located on the south end of the facility. It has a metal roof and brick frame. This building is used for storage of full and empty oil drums. This building has painted windows and window glazing that are to be treated the same as the main plant as positive materials.

The Waste Water Treatment Plant in a new stand-alone building located on the southeast side of the property outside the fenced in area. The building was built after 1990 and has only fiberglass insulation on piping and machinery. There are several levels of catwalks and two levels of office area. EKS did not sample the roof due to the date of construction and the request by Renee Mietz and the GM Waste Water Treatment Employees.

The Switch House is a small stand-alone building located on the northeast side of the property. The building has a metal frame and roof and contains large transformers.

The LNAPL Building is a small stand-alone building located on the west side of the facility. It is a newer building that has a metal roof and frame. All the piping and machinery is metal.

The Maintenance Building is a large stand-alone building located on the south end of the facility. The building has metal panel exterior siding with fiberglass insulation located within the panels. The roof is a non-ACM tar roof (information provided by GM) with damaged ACM duct insulation. The interior of the building is a high bay repair area with two stories of offices located along the back wall. There is one portable office and an entrance to the tunnels.

The Locker Room Building is a stand-alone building connected to the Main Plant and the Maintenance Building by the tunnel system. The building contains the locker rooms for the employees, the security break room, security office area, a storage and boiler room. The boiler room has all fiberglass or metal piping but the remainder of the piping throughout the building is ACM woolfelt pipe insulation and ACM mag fittings. All the pipe insulation and fittings in the tunnels are positive except for the city water pipe insulation, which came back negative per Clayton and EKS.

The Main Plant is a large multi-purpose foundry facility located in the center of the property. The age of construction ranges from the early 1900's to the late 1950's. EKS treated the main plant as one since the distinction between phases of construction is unclear. The plant is divided into different sections based on the processes happening in the area. The majority of the building is a single story high bay area. In some locations there are different levels of catwalks and

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basements. There is an office area, medical center, cafeteria and pattern shop located on the east side of the facility.

1.2 ASBESTOS-CONTAINING MATERIAL AND LOCATION

Positive Material Per GM Previous Surveys

Material Description	Quantity	Location
All City Water Pipe Fitting on Non-Fiberglass Line	28 fittings	Main Plant
All City Water Pipe Insulation	285 ln. ft.	Main Plant
All City Water Pipe Fitting on Fiberglass Line	47 fittings	Main Plant
All Unidentified Pipe Fitting on Non-Fiberglass Line	74 fittings	Main Plant
All Unidentified Pipe Fitting on Fiberglass Line	640 fittings	Main Plant
All Unidentified Pipe Insulation	911 ln. ft.	Main Plant
All Steam Pipe Fitting on Fiberglass Line	3 fittings	Main Plant
12" x 12" Black and White Checkerboard Pattern Floor Tile (2 Types of Tile)	300 sq. ft.	Main Plant
Known Arc Chutes Located in Panels Marked 480 Volts in Substation J	20 sq. ft.	Main Plant
Roof Duct Insulation	5000 sq. ft.	Main Plant
Galbestos Panel	173,590 sq. ft.	Main Plant
(Visible) Gasket	34 ln. ft.	Main Plant
Heat Shield	600 sq. ft.	Main Plant
Painted Window	9,920 sq. ft.	Main Plant
Pink Sink Undercoating	16 sq. ft.	Main Plant
Siding Material on Roof	9,900 sq. ft.	Main Plant
Roofing Material & Flashing	900,000 sq. ft.	Main Plant
Asbestos Flooring in Kilns 3, 6 & 8	4,550 sq. ft.	Main Plant
Asbestos Insulation in Kilns 9, 10, 11, 12, 13 & 14	37,000 sq. ft.	Main Plant
Gaskets in Kilns 1, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14 & 17	2,724 gaskets	Main Plant

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Positive Material Per GM Previous Surveys

Material Description	Quantity	Location
Cloth Wire Insulation in Older Kilns 3, 7 & 8	Unknown	Main Plant
Gaskets in Air Compressors on Roof	Unknown	Main Plant
Light Fixtures with ACM Insulation on Roof	6 lights	Main Plant Roof
Paper Backing and/or Transite Backing and/or Asbestos Block in Breakers and Panels	1,050 panels	Main Plant
All Steam Pipe Fittings on Non-Fiberglass Line	2 fittings	Locker Rooms & Tunnels
All Steam Pipe Insulation	270 ln. ft.	Locker Rooms & Tunnels
All Unidentified Pipe Insulation	300 ln. ft.	Locker Rooms & Tunnels
All Unidentified Pipe Fitting on Non-Fiberglass Line	1 fitting	Locker Rooms & Tunnels
Rock Pattern Floor Covering with Paper Backing	200 sq. ft.	Maintenance Building
Painted Window	520 sq. ft.	Oil Storage

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Positive Material Per EKS Survey

Material Description	Quantity	Location
All Non-Potable Pipe Fitting on Pipe Insulation	36 fittings	Main Plant
All Non-Potable Pipe Fitting on Non-Fiberglass Line	6 fittings	Main Plant
12" x 12" Black with White Streak Floor Tile with Green Floor Tile Beneath	550 sq. ft.	Main Plant – Only in 2 nd Floor Pattern Shop Offices
12" x 12" Brown Busy Pattern Floor Tile with Mastic – Tile and Mastic Positive	100 sq. ft.	Main Plant
12" x 12" Cream with Grey Specks Floor Tile with Mastic – Tile and Mastic Positive	1,970 sq. ft.	Main Plant
12" x 12" Grey Busy Pattern Floor Tile with Mastic – Tile and Mastic Positive	140 sq. ft.	Main Plant
12" x 12" Grey with White Speck Floor Tile with Mastic – Tile and Mastic Positive	910 sq. ft.	Main Plant

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Positive Material Per EKS Survey

Material Description	Quantity	Location
12" x 12" Light Green and White Speck Floor Tile with Mastic – Tile Only	200 sq. ft.	Main Plant
9" x 9" Dark Brown with White Streak Floor Tile with Mastic – Tile Only	1,700 sq. ft.	Main Plant
9" x 9" Green Floor Tile with Mastic – Tile and Mastic Positive	915 sq. ft.	Main Plant
9" x 9" White with Black Streak Floor Tile with Mastic – Tile and Mastic Positive	2,700 sq. ft.	Main Plant
Black Isolation Joint – Assumed Positive	73 ln. ft.	Main Plant
Black Paper on Duct – Assumed Positive	450 sq. ft.	Main Plant
Cloth on Bottom of Garage Door – Assumed Positive	25 ln. ft.	Main Plant
Visible Cloth Wire Insulation – Assumed Positive	70 ln. ft.	Main Plant
Door Frame Caulk	1,985 ln. ft.	Main Plant
Exterior Building Caulk	325 ln. ft.	Main Plant
Exterior Wall Penetration Caulk	30 ln. ft.	Main Plant
Fire Door – Assumed Positive	92 doors	Main Plant
Fire Door Frame – Assumed Positive	88 frames	Main Plant
Glass Block-to-Brick Caulk	420 ln. ft.	Main Plant
Green Laminate Floor Covering	180 sq. ft.	Main Plant
Green Linoleum with Mastic	500 sq. ft.	Main Plant
Grey Roof Caulk	710 ln. ft.	Main Plant
Grey Rock Pattern Linoleum Flooring	140 sq. ft.	Main Plant
Tank Insulation – Assumed Positive	50 sq. ft.	Main Plant
Vent Frame Caulk	60 ln. ft.	Main Plant
White Cloth Insulation – Assumed Positive	6 ln. ft.	Main Plant
White Sink Undercoating	8 sq. ft.	Main Plant

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Positive Material Per EKS Survey

Material Description	Quantity	Location
Window Caulk	340 ln. ft.	Main Plant
Window Glazing	11,800 ln. ft.	Main Plant
Yellow Carpet Glue	350 sq. ft.	Main Plant
Yellow Rock Pattern Linoleum Flooring with Mastic – Linoleum Only	120 sq. ft.	Main Plant
All City Water Pipe Insulation	2,155 sq. ft.	Locker Rooms
All City Water Pipe Fitting on Pipe Insulation	228 fittings	Locker Rooms
Interior Window Glazing (Windows in Doors)	215 ln. ft.	Locker Rooms & Tunnels
Interior Window Caulk	3,855 ln. ft.	Locker Rooms & Tunnels
12" x 12" Black with Brown Floor Tile with Mastic – Tile and Mastic Positive	400 sq. ft.	Locker Rooms & Tunnels
Black Isolation Joint – Assumed Positive	10 ln. ft.	Locker Rooms & Tunnels
Fire Door – Assumed Positive	6 doors	Locker Rooms & Tunnels
Fire Door Frame – Assumed Positive	5 frames	Locker Rooms & Tunnels
12" x 12" Grey Floor Tile with Mastic – Tile and Mastic Positive	50 sq. ft.	Locker Rooms & Tunnels
Exterior Building Caulk	205 ln. ft.	Locker Rooms & Tunnels
Exterior Window Caulk	3,620 ln. ft.	Locker Rooms & Tunnels
Exterior Door Frame Caulk	95 ln. ft.	Locker Rooms & Tunnels
Fire Door – Assumed Positive	2 doors	Butler Building 2 & 3
Fire Door Frame – Assumed Positive	2 frames	Butler Building 2 & 3
Fire Door – Assumed Positive	12 doors	Waste Water Treatment Center
Fire Door Frame – Assumed Positive	12 frames	Waste Water Treatment Center
Lab Countertop – Assumed Positive	150 sq. ft.	Waste Water Treatment Center
Test Tube Holder – Assumed Positive	20 sq. ft.	Waste Water Treatment Center

Positive Material Per EKS Survey

Material Description	Quantity	Location
Fire Door – Assumed Positive	5 doors	Maintenance Building
Fire Door Frame – Assumed Positive	5 frames	Maintenance Building
Roof Duct Insulation	4500 sq. ft.	Maintenance Building
12” x 12” Cream Floor Tile with Mastic – Tile and Mastic Positive	40 sq. ft.	Guard Shack
Tar Overhang and Roof	600 sq. ft.	Gas Building
Interior Wall Caulk	110 ln. ft.	Gas Building
Fire Door – Assumed Positive	2 doors	SMILE Center
Fire Door Frame – Assumed Positive	2 frames	SMILE Center
Fire Door – Assumed Positive	3 doors	Oil Storage
Fire Door Frame – Assumed Positive	3 frames	Oil Storage
Window Glazing – Treated Same as Main Plant Inaccessible to Sample	1,050 ln. ft.	Oil Storage
Fire Door – Assumed Positive	5 doors	Switch House
Fire Door Frame – Assumed Positive	3 frames	Switch House

2.0 SAMPLING PROCEDURES

Field inspection alone is not conclusive to identify asbestos-containing materials. Therefore, bulk samples of suspected asbestos-containing materials were obtained using EPA/OSHA protocols by State accredited inspectors and analyzed to determine if asbestos fibers were present, and if found, the type(s) and percentage(s) of asbestos were reported.

Wetting – An area approximately the size of a half dollar was thoroughly wetted using a plastic squeeze bottle containing water and a wetting agent, to reduce fiber release during sampling.

Sampling – A carpenter’s knife or boring tool was used to cut the outer protective covering to expose the suspected asbestos-containing material underneath. The boring tool or knife was then used to remove approximately 25 cubic centimeters of the insulation. The insulation was then placed in a resealable plastic bag and

secured. EKS followed EPA and OSHA protocols for determining sampling locations and total numbers of samples taken.

2.1 **ASBESTOS BULK SAMPLE ANALYSIS**

Bulk samples were submitted to Merit laboratory that in turn sent the samples to Fibertec, Inc, a NVLAP accredited laboratory that participates in a Quality Assurance Program for asbestos fiber identification. Analysis of bulk samples was performed in accordance with the EPA/600/M4-82/020 method for asbestos using polarized light microscopy (PLM)/ dispersion staining.

2.2 **RECOMMENDED CORRECTIVE ACTIONS**

If exposure is found to be occurring or is likely to occur, a corrective action may be warranted. The following corrective actions may be needed:

1. No action required: No exposure is likely to occur.
2. Removal: Asbestos material is removed and subsequently disposed of by burial in an approved waste disposal site.
3. Encapsulation: Asbestos material is coated with a sealant.
4. Enclosure: Asbestos material is isolated from the building environment by barriers (e.g. suspended poly ceiling, etc.)
5. Operations & Maintenance: Minimize disturbance or damage and monitor the condition of asbestos-containing material.

Removal eliminates the source of exposure to asbestos and is, therefore, a permanent solution, whereas enclosure and encapsulation are containment methods. Enclosure and encapsulation should be considered as containment measures because the asbestos material remains within the building. Operations and maintenance will reduce potential exposure through regular observation of the asbestos-containing materials and reduce accidental damage during routine maintenance.

2.3 **ASBESTOS REMOVAL**

Asbestos removal operations should be carried out in recommended areas to reduce the potential for asbestos fiber release. All asbestos removal should be conducted in accordance with EPA and OSHA regulations and any other applicable Federal, State, and Local government regulations.

Trained and certified individuals should conduct all removal operations involving asbestos-containing materials and a person competently trained in asbestos monitoring procedures should perform air monitoring. We recommend that asbestos removal operations be considered before any building or part of a

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building undergoes renovation or demolition work. EKS can assist in the development of removal specifications for upcoming projects.

Any asbestos containing materials not discovered at the time of sampling would have to be assessed during the decommissioning phase. All materials, which might be discovered during the renovation/demolition process and were not visible/accessible prior to renovation/demolition, should be identified, collected, and analyzed for asbestos prior to removing or disturbing those materials.

3.0 CLOSING

It has been a pleasure assisting you. If you have any questions please call (313) 963-1433.

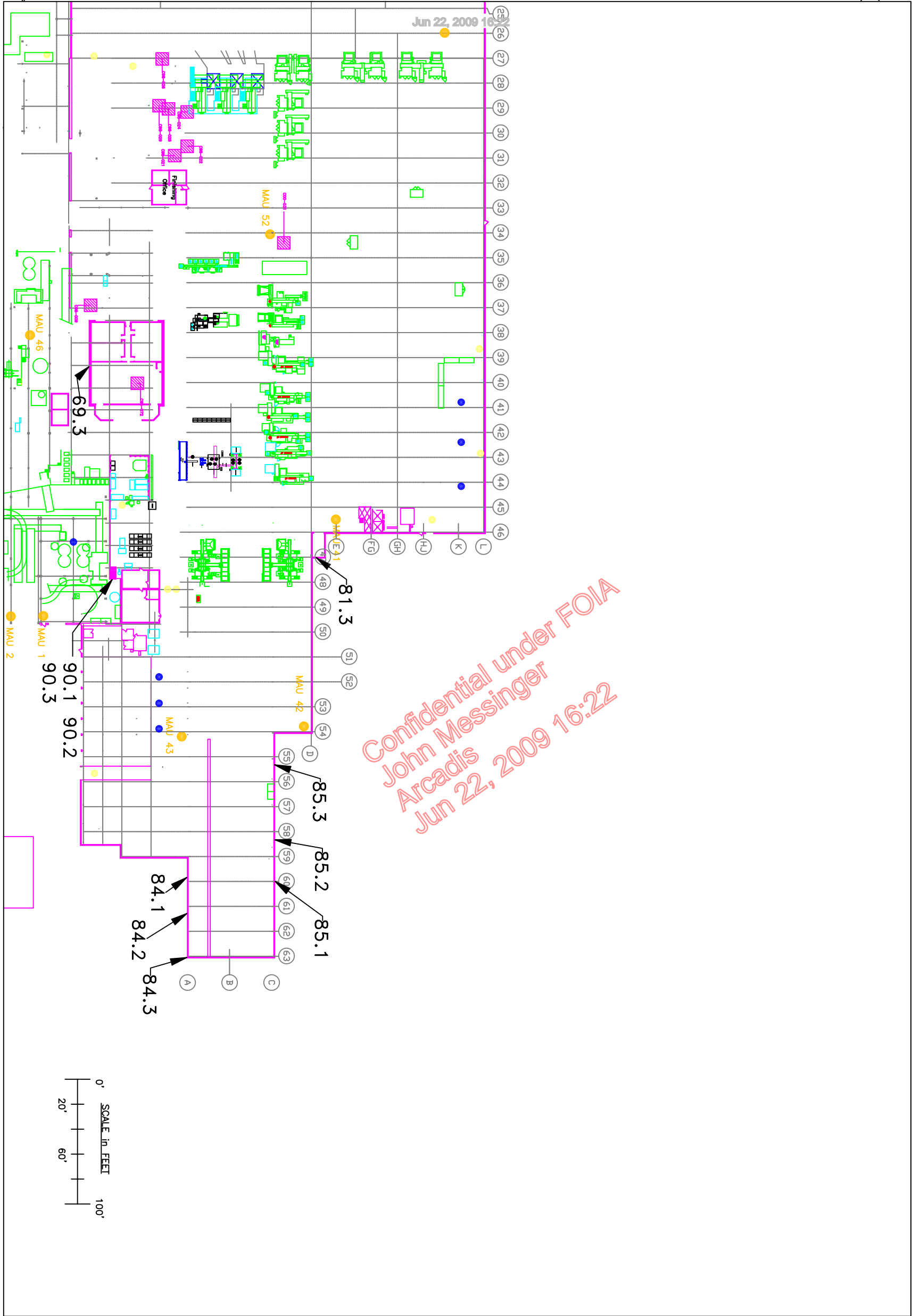
Elizabeth Popowich
Building Inspector #A34317

Bryan Dunn
Building Inspector #A34269

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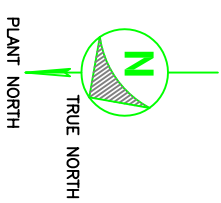
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FIGURE 1
 MAIN PLANT
 S.W. QUADRANT

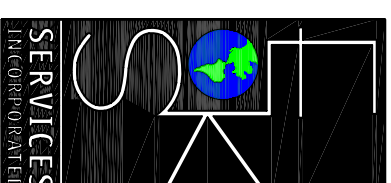


GENERAL NOTES:
 SAMPLE LOCATIONS
 ARE APPROXIMATE

SCALE: 1"=80'

GENERAL MOTORS CORP.
 SAGINAW MALLEABLE IRON
 SAGINAW, MICHIGAN

ASBESTOS SAMPLE
 LOCATION MAP



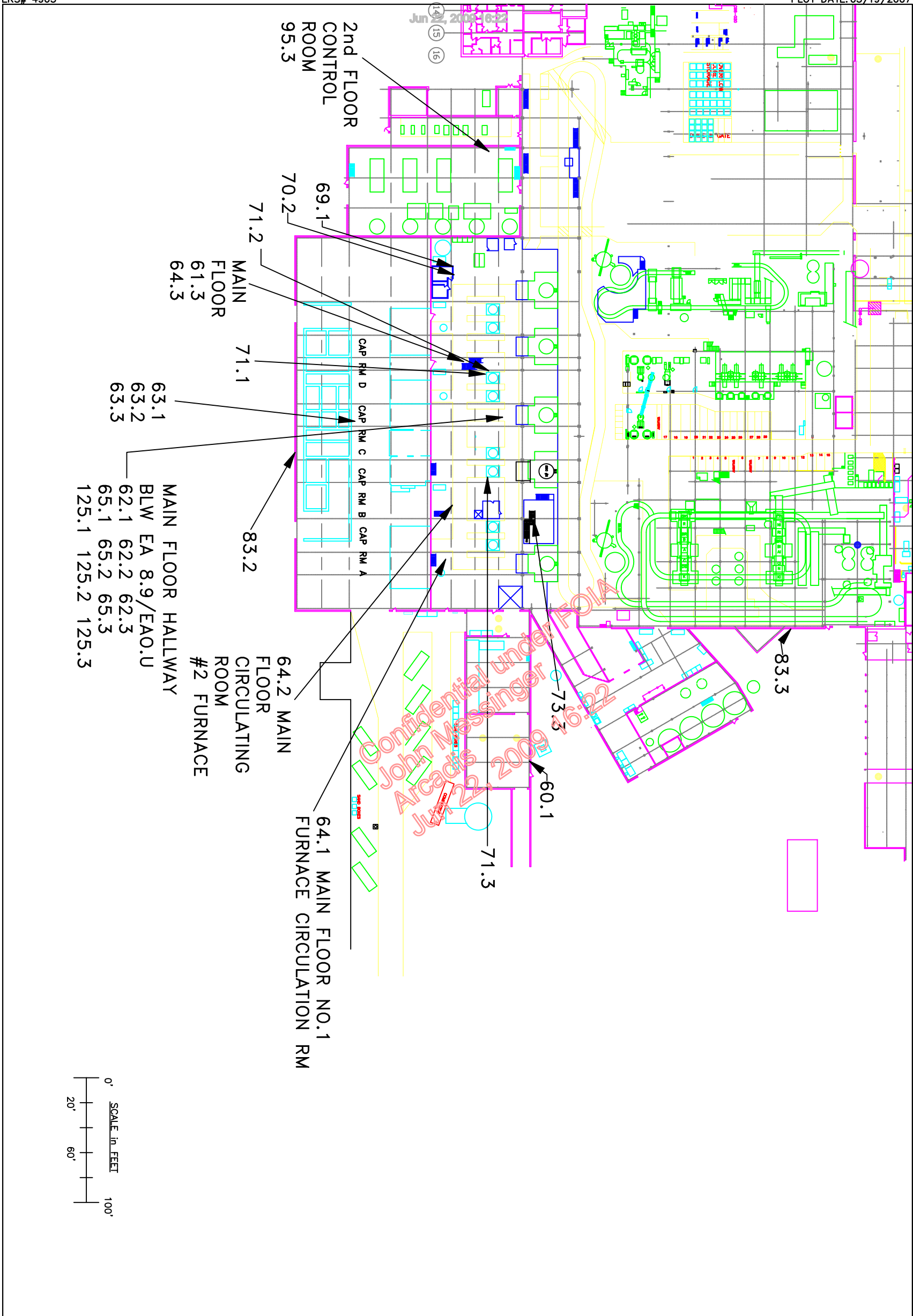
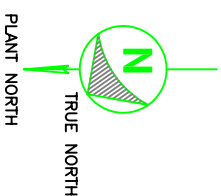


FIGURE 2
MAIN PLANT
N.W. QUADRANT

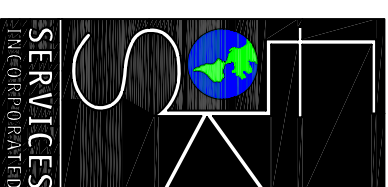


GENERAL NOTES:
SAMPLE LOCATIONS
ARE APPROXIMATE

SCALE: 1" = 80'

GENERAL MOTORS CORP
SAGINAW MALLEABLE IRON
SAGINAW, MICHIGAN

ASBESTOS SAMPLE
LOCATION MAP



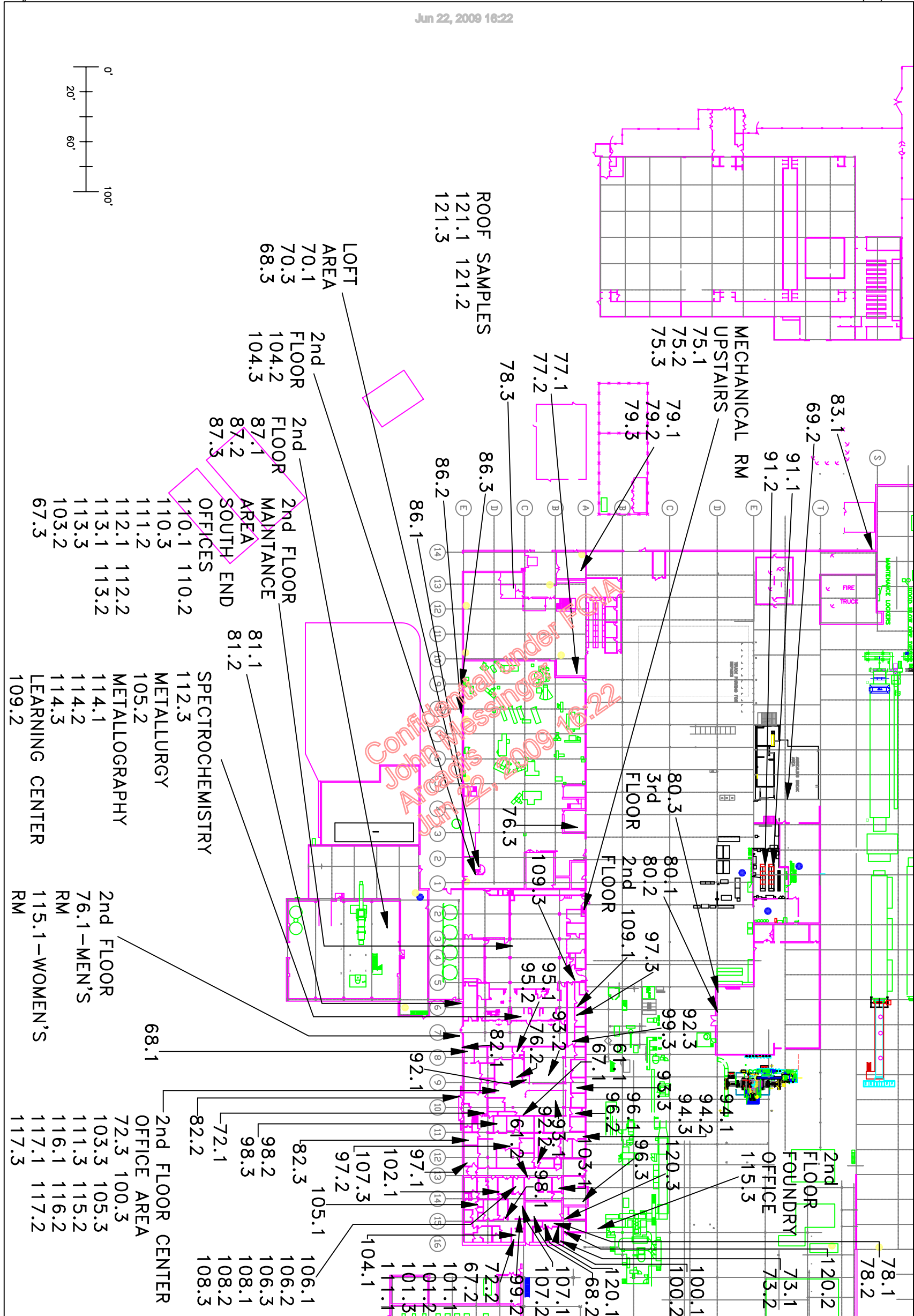
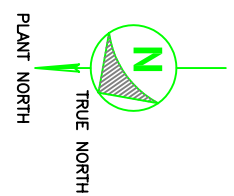


FIGURE 3
MAIN PLANT
N.E. QUADRANT

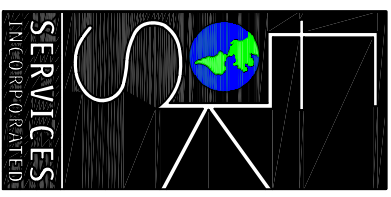


GENERAL NOTES:
SAMPLE LOCATIONS
ARE APPROXIMATE

SCALE: 1"=80'

GENERAL MOTORS CORP
SAGINAW MALLEABLE IRON
SAGINAW, MICHIGAN

ASBESTOS SAMPLE
LOCATION MAP



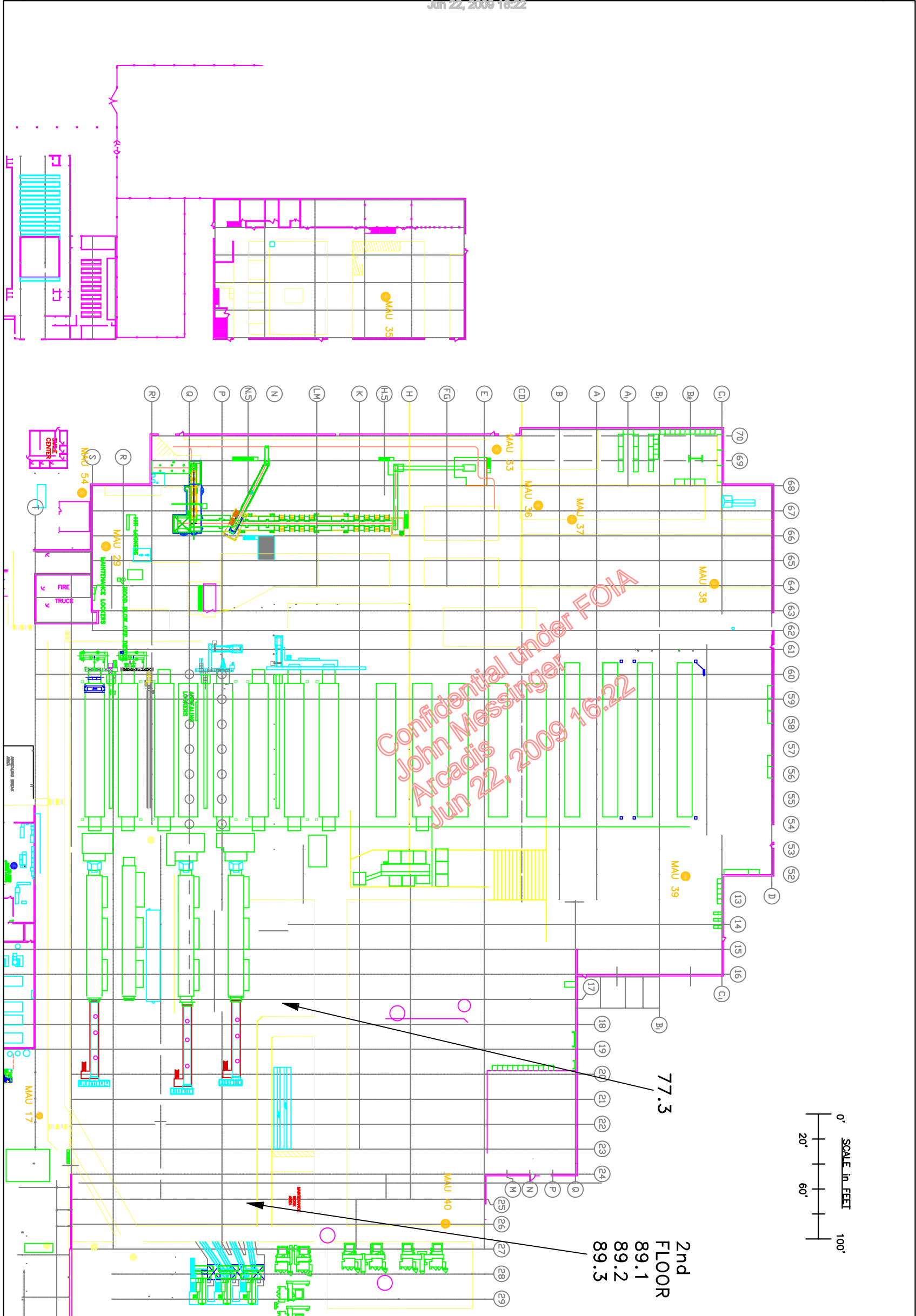
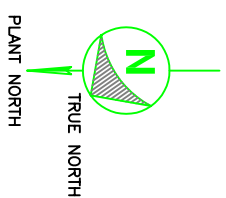


FIGURE 4
MAIN PLANT
S.E. QUADRANT

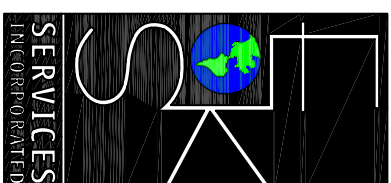


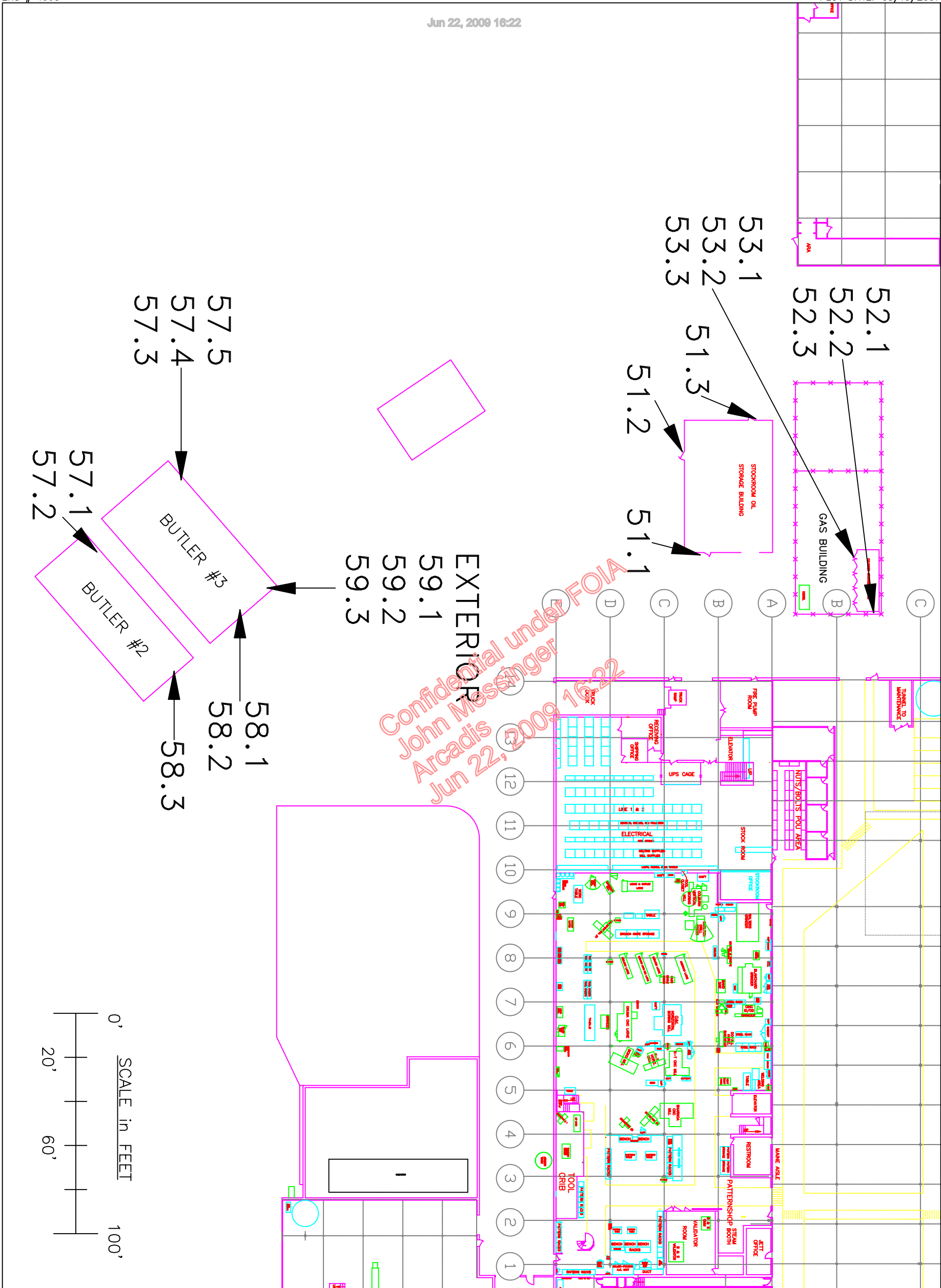
GENERAL NOTES:
SAMPLE LOCATIONS
ARE APPROXIMATE

SCALE: 1"=80'

GENERAL MOTORS CORP
SAGINAW MALLEABLE IRON
SAGINAW, MICHIGAN

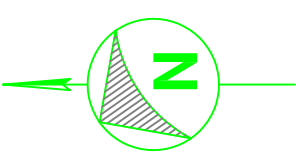
ASBESTOS SAMPLE
LOCATION MAP





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FIGURE 5
MAIN PLANT
BUTLER #2 & #3
GAS BUILDING
OIL STORAGE

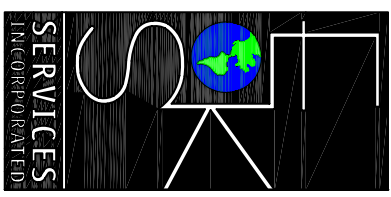


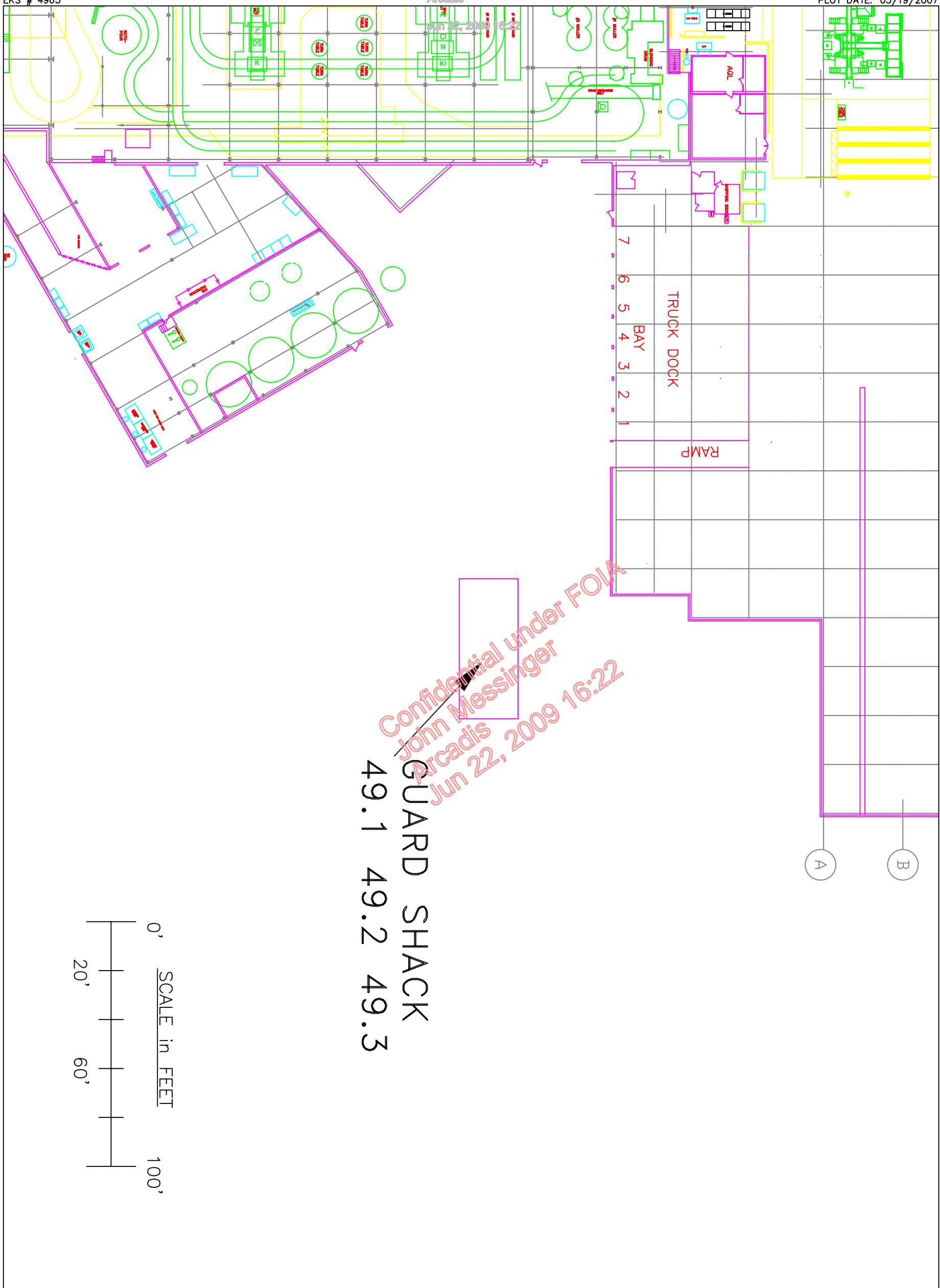
GENERAL NOTES:
SAMPLE LOCATIONS
ARE APPROXIMATE

SCALE: 1"=45'

GENERAL MOTORS CORP
SAGINAW MALLEABLE IRON
SAGINAW, MICHIGAN

ASBESTOS SAMPLE
LOCATION MAP





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GUARD SHACK
 49.1 49.2 49.3

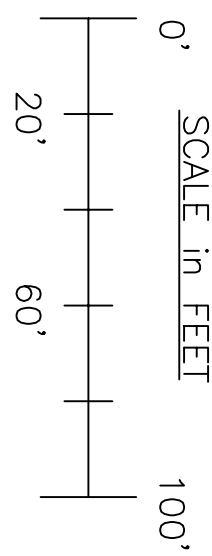
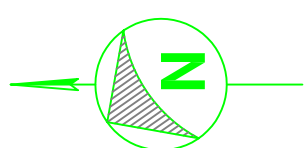


FIGURE 6
 MAIN PLANT
 GUARD SHACK

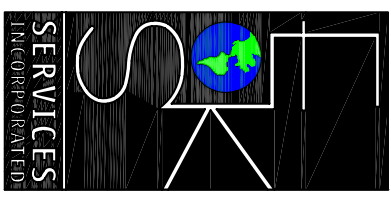


GENERAL NOTES:
 SAMPLE LOCATIONS
 ARE APPROXIMATE

SCALE: 1"=40'

GENERAL MOTORS CORP
 SAGINAW MALLEABLE IRON
 SAGINAW, MICHIGAN

ASBESTOS SAMPLE
 LOCATION MAP



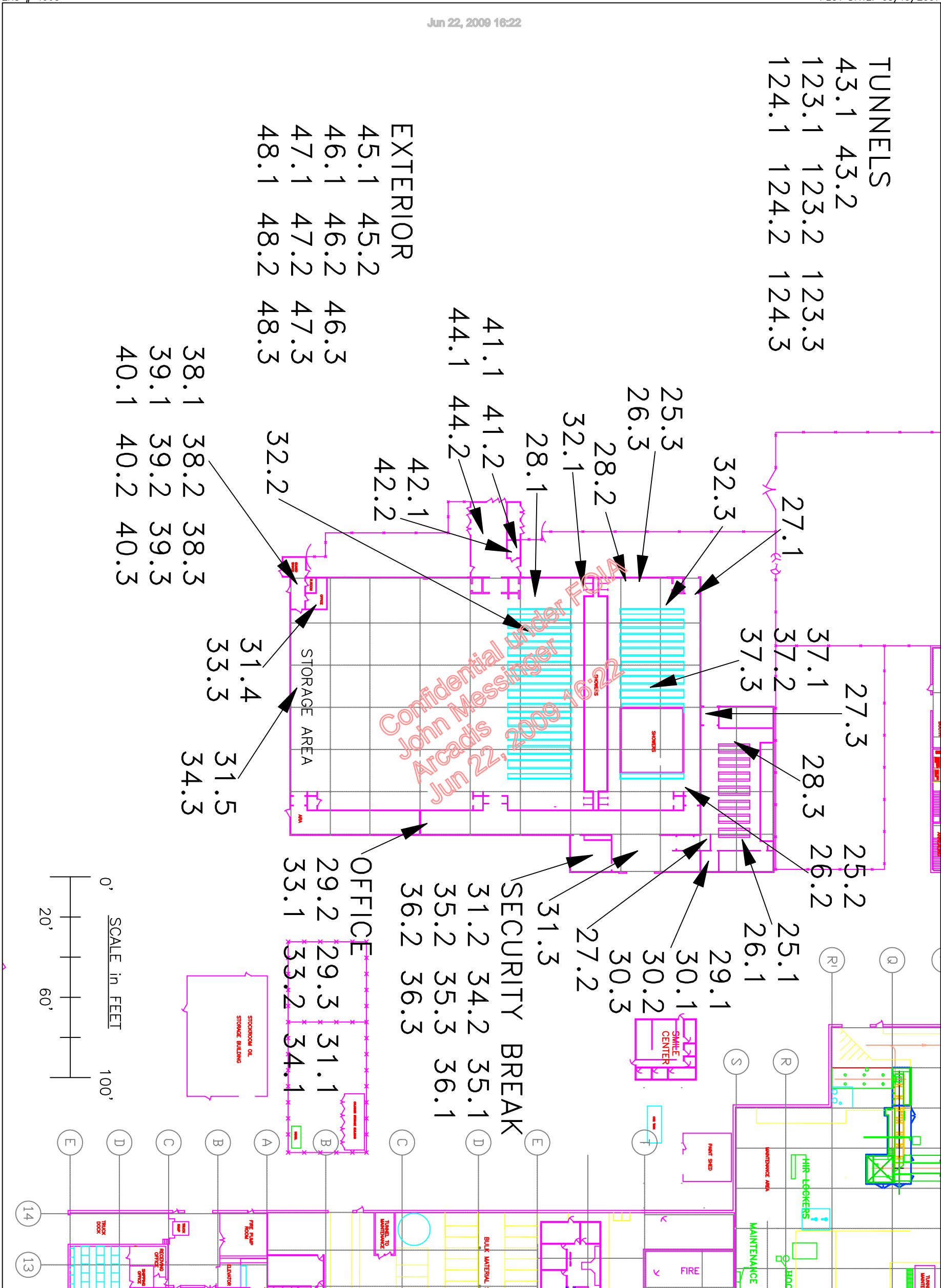
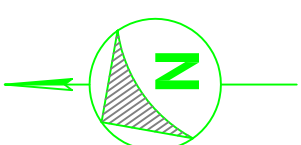


FIGURE 7
MAIN PLANT
LOCKER ROOMS
AND TUNNELS

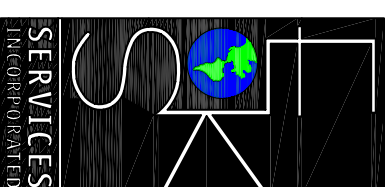


GENERAL NOTES:
SAMPLE LOCATIONS
ARE APPROXIMATE

SCALE: 1"=50'

GENERAL MOTORS CORP
SAGINAW MALLEABLE IRON
SAGINAW, MICHIGAN

ASBESTOS SAMPLE
LOCATION MAP



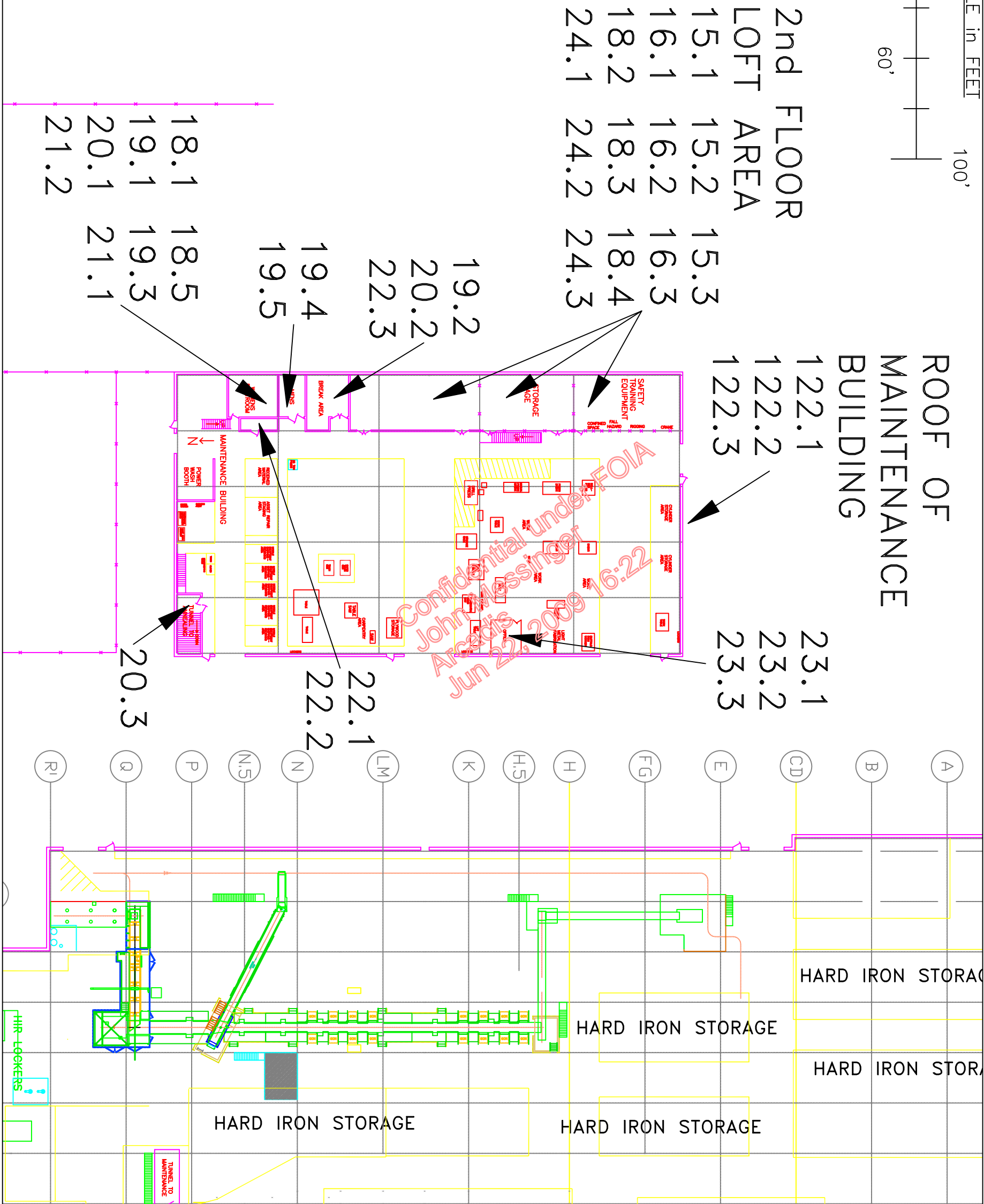
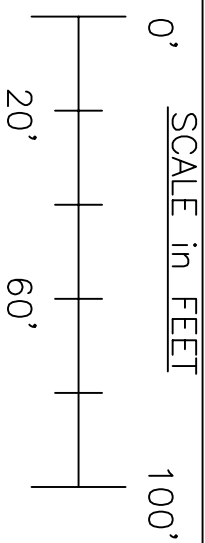


FIGURE 8
MAIN PLANT
MAINTENANCE BUILDING

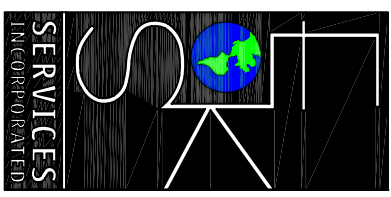


GENERAL NOTES:
SAMPLE LOCATIONS
ARE APPROXIMATE

SCALE: 1"=40'

GENERAL MOTORS CORP
SAGINAW MALLEABLE IRON
SAGINAW, MICHIGAN

ASBESTOS SAMPLE
LOCATION MAP



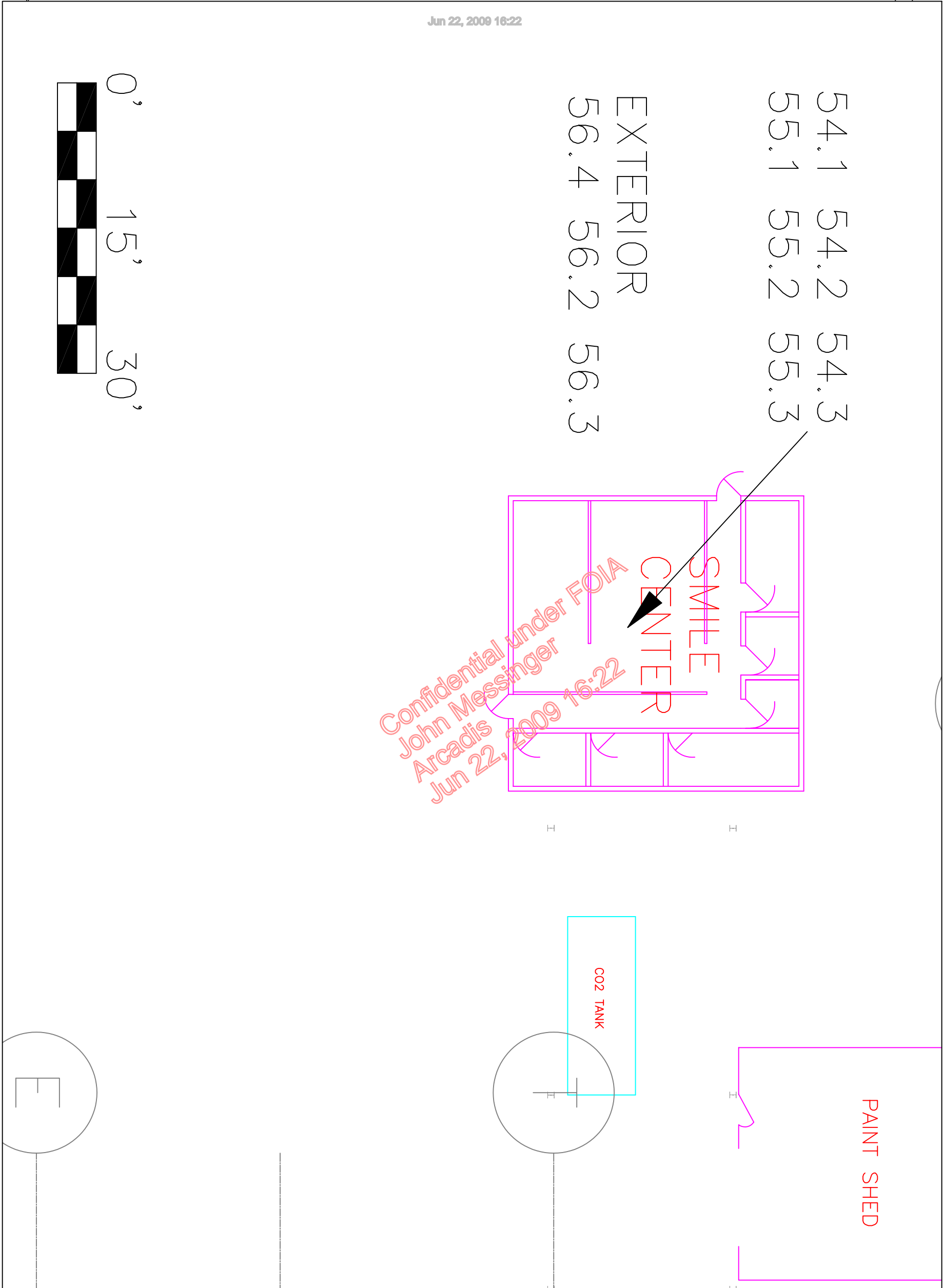
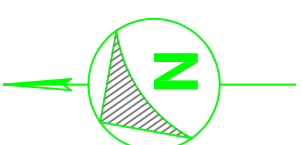


FIGURE 9
MAIN PLANT
SMILE CENTER

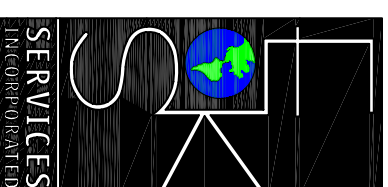


GENERAL NOTES:
SAMPLE LOCATIONS
ARE APPROXIMATE

SCALE: 1"=10'

GENERAL MOTORS CORP
SAGINAW MALLEABLE IRON
SAGINAW, MICHIGAN

ASBESTOS SAMPLE
LOCATION MAP



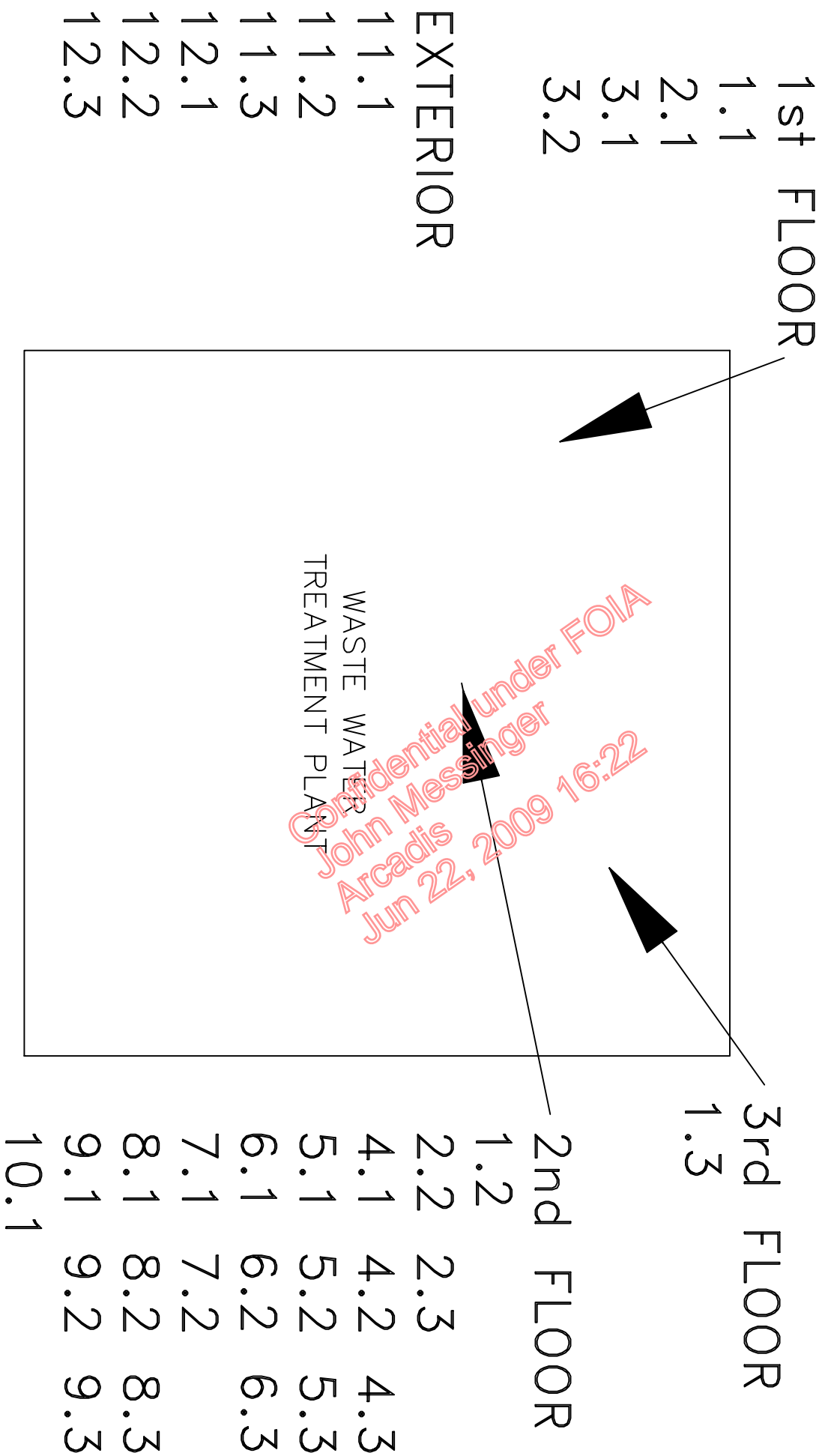
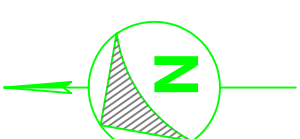


FIGURE 10
MAIN PLANT
WASTE WATER
TREATMENT PLANT

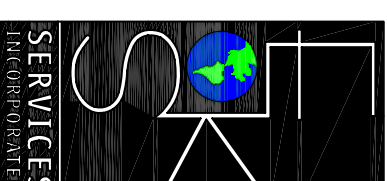


GENERAL NOTES:
SAMPLE LOCATIONS
ARE APPROXIMATE

NOT TO SCALE

GENERAL MOTORS CORP
SAGINAW MALLEABLE IRON
SAGINAW, MICHIGAN

ASBESTOS SAMPLE
LOCATION MAP



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BULK SAMPLE ANALYTICAL REPORT

CLIENT: MERIT LABORATORIES, INC.

DATE SUBMITTED: 1/18/07

DATE ANALYZED: 1/22/07

NVLAP ACCREDITATION #101510-0
FIBERTEC PROJECT NO.: 23226-1

PROJECT:

 4965 - MAIN PLANT, MERIT PROJECT #30404, 169 SUBMITTED BULK SAMPLES,
 222 SAMPLE LAYERS ANALYZED.

CLIENT P.O.#: N/A

C.O.C. NO.: 035911 - 035925

Bulk samples are analyzed utilizing the USEPA Test Method EPA/600/R-93/116. The constituent percent reported represents an estimate of the area percent of the component. The test report relates only to items tested. This report is not intended to be used as a product endorsement by NVLAP or any agency of the U.S. Government. Fine fibers like those in floor tile may not be discernible by this method. This report shall not be reproduced, except in full, without written approval of the laboratory.

*No asbestos present indicates less than or equal to 1% asbestos present. Test items were received in an acceptable condition.

FIBERTEC SAMPLE NO.	CLIENT ID. NO.	DESCRIPTION/ LOCATION	ASBESTOS		PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
			PRESENT Y/N	ASBESTOS TYPE			
1	60.1	WHITE RUBBERY MATERIAL, SINK CAULK.	N			AJK	100% NON FIBROUS MATTER
2	61.1	WHITE RUBBERY MATERIAL, DOOR FRAME CAULK, LAYER 1 OF 2.	N			AJK	100% NON FIBROUS MATTER
2	61.1	BROWN AND TAN FIBROUS MATERIAL, DOOR FRAM CAULK, LAYER 2 OF 2.	N			AJK	98% CELLULOSE 2% NON FIBROUS MATTER
3	61.2	BROWN AND BLACK RUBBERY GRANULAR MATERIAL, DOOR FRAME CAULK.	Y	CHRYSTOLE	3%	AJK	>96% NON FIBROUS MATTER <1% CELLULOSE
5	62.1	TAN POWDERY MATERIAL, NON POTABLE MUD FITTINGS.	N			ARM	52% NON FIBROUS MATTER 43% FIBROUS GLASS 5% CELLULOSE
6	62.2	TAN POWDERY MATERIAL, NON POTABLE MUD FITTINGS.	N			ARM	47% NON FIBROUS MATTER 45% FIBROUS GLASS 8% CELLULOSE

COMMENTS:

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BULK SAMPLE ANALYTICAL REPORT

CLIENT: MERIT LABORATORIES, INC.

DATE SUBMITTED: 1/18/07

DATE ANALYZED: 1/22/07

NVLAP ACCREDITATION #101510-0
FIBERTEC PROJECT NO.: 23226-1

PROJECT:

 4965 - MAIN PLANT, MERIT PROJECT #30404, 169 SUBMITTED BULK SAMPLES,
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FIBERTEC SAMPLE NO.	CLIENT ID. NO.	DESCRIPTION/ LOCATION	ASBESTOS		PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
			PRESENT Y/N	ASBESTOS TYPE			
7	62.3	GRAY POWDERY MATERIAL, NON POTABLE MUD FITTINGS.	Y	CHRYSOTILE	9%	ARM	71% NON FIBROUS MATTER 10% FIBROUS GLASS 10% CELLULOSE
8	63.1	GRAY ASPHALTIC MATERIAL, VENT FRAME CAULK.	Y	CHRYSOTILE	3%	ARM	97% NON FIBROUS MATTER
11	64.1	WHITE ASPHALTIC MATERIAL, WALL CAULK.	N	CHRYSOTILE	<1%	ARM	>99% NON FIBROUS MATTER
12	64.2	GRAY ASPHALTIC MATERIAL, WALL CAULK.	N			ARM	>99% NON FIBROUS MATTER <1% FIBROUS GLASS
13	64.3	WHITE ASPHALTIC MATERIAL, WALL CAULK.	N			ARM	100% NON FIBROUS MATTER
14	65.1	WHITE GRANULAR TABULAR MATERIAL, NON POTABLE PIPE INSULATION, LAYER 1 OF 2.	N			AJK	100% NON FIBROUS MATTER

COMMENTS:

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PROJECT:

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FIBERTEC SAMPLE NO.	CLIENT ID. NO.	DESCRIPTION/ LOCATION	ASBESTOS PRESENT Y/N	ASBESTOS TYPE	PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
14	65.1	YELLOW TO DARK GRAY FIBROUS MATERIAL, LAYER 2 OF 2.	N			AJK	50% NON FIBROUS MATTER 35% FIBROUS GLASS 15% CELLULOSE
15	65.2	WHITE AND BLACK FIBROUS MATERIAL, NON POTABLE PIPE INSULATION, LAYER 1 OF 2.	N			AJK	80% NON FIBROUS MATTER 20% FIBROUS GLASS
15	65.2	YELLOW TO GRAY FIBROUS MATERIAL, NON POTABLE PIPE INSULATION, LAYER 2 OF 2.	N			AJK	60% FIBROUS GLASS >39% NON FIBROUS MATTER <1% CELLULOSE
16	65.3	BROWN TO GRAY FIBROUS MATERIAL, NON POTABLE PIPE INSULATION.	N			AJK	85% CELLULOSE 15% NON FIBROUS MATTER
17	67.1	BROWN TABULAR MATERIAL, 4" BROWN BASEBOARD, LAYER 1 OF 2.	N			ARM	100% NON FIBROUS MATTER
17	67.1	WHITE ASPHALTIC MATERIAL, 4" BROWN BASEBOARD MASTIC, LAYER 2 OF 2.	N			ARM	100% NON FIBROUS MATTER

COMMENTS:

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BULK SAMPLE ANALYTICAL REPORT

CLIENT: MERIT LABORATORIES, INC.

DATE SUBMITTED: 1/18/07

DATE ANALYZED: 1/22/07

NVLAP ACCREDITATION #101510-0
FIBERTEC PROJECT NO.: 23226-1

PROJECT:

 4965 - MAIN PLANT, MERIT PROJECT #30404, 169 SUBMITTED BULK SAMPLES,
 222 SAMPLE LAYERS ANALYZED.

CLIENT P.O.#: N/A

C.O.C. NO.: 035911 - 035925

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FIBERTEC SAMPLE NO.	CLIENT ID. NO.	DESCRIPTION/ LOCATION	ASBESTOS PRESENT Y/N	ASBESTOS TYPE	PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
18	67.2	GRAY TABULAR MATERIAL, 4" BROWN BASEBOARD.	N			ARM	100% NON FIBROUS MATTER
19	67.3	BROWN TABULAR MATERIAL, 4" BROWN BASEBOARD, LAYER 1 OF 2.	N			ARM	100% NON FIBROUS MATTER
19	67.3	YELLOW ASPHALTIC MATERIAL, 4" BROWN BASEBOARD MASTIC, LAYER 2 OF 2.	N			ARM	100% NON FIBROUS MATTER
20	68.1	BLACK TABULAR MATERIAL, 12" X 12" BLACK WITH WHITE STREAK FLOOR TILE, LAYER 1 OF 2.	N			ARM	100% NON FIBROUS MATTER
20	68.1	BROWN ASPHALTIC MATERIAL, 12" X 12" BLACK FLOOR TILE MASTIC, LAYER 2 OF 2.	N			ARM	100% NON FIBROUS MATTER
21	68.2	BLACK CEMENTITIOUS MATERIAL, 12' X 12" BLACK WITH WHITE STEAK FLOOR TILE, LAYER 1 OF 2.	N			JAW	98% NON FIBROUS MATTER 2% CELLULOSE

COMMENTS:

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John Messinger

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Jun 22, 2009 16:22



BULK SAMPLE ANALYTICAL REPORT

CLIENT: MERIT LABORATORIES, INC.

DATE SUBMITTED: 1/18/07

DATE ANALYZED: 1/22/07

NVLAP ACCREDITATION #101510-0
FIBERTEC PROJECT NO.: 23226-1

PROJECT:

 4965 - MAIN PLANT, MERIT PROJECT #30404, 169 SUBMITTED BULK SAMPLES,
 222 SAMPLE LAYERS ANALYZED.

CLIENT P.O.#: N/A

C.O.C. NO.: 035911 - 035925

Bulk samples are analyzed utilizing the USEPA Test Method EPA/600/R-93/116. The constituent percent reported represents an estimate of the area percent of the component. The test report relates only to items tested. This report is not intended to be used as a product endorsement by NVLAP or any agency of the U.S. Government. Fine fibers like those in floor tile may not be discernible by this method. This report shall not be reproduced, except in full, without written approval of the laboratory.

*No asbestos present indicates less than or equal to 1% asbestos present. Test items were received in an acceptable condition.

FIBERTEC SAMPLE NO.	CLIENT ID. NO.	DESCRIPTION/ LOCATION	ASBESTOS		PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
			PRESENT Y/N	ASBESTOS TYPE			
21	68.2	BROWN ASPHALTIC MATERIAL, 12" X 12" BLACK FLOOR TILE MASTIC, LAYER 2 OF 2.	N			JAW	97% NON FIBROUS MATTER 3% CELLULOSE
22	68.3	BLACK CEMENTITIOUS MATERIAL, 12" X 12" BLACK WITH WHITE STREAK FLOOR TILE, LAYER 1 OF 4.	N			JAW	98% NON FIBROUS MATTER 2% CELLULOSE
22	68.3	BROWN ASPHALTIC MATERIAL, 12" X 12" BLACK FLOOR TILE MASTIC, LAYER 2 OF 4.	N			JAW	96% NON FIBROUS MATTER 4% CELLULOSE
22	68.3	GREEN CEMENTITIOUS MATERIAL, 12" X 12" BLACK WITH WHITE STREAK FLOOR TILE, LAYER 3 OF 4.	Y	CHRYSTOLE	3%	JAW	97% NON FIBROUS MATTER
22	68.3	BROWN ASPHALTIC MATERIAL, 12" X 12" BLACK FLOOR TILE MASTIC, LAYER 4 OF 4.	N			JAW	98% NON FIBROUS MATTER 2% CELLULOSE

COMMENTS:

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FIBERTEC SAMPLE NO.	CLIENT I.D. NO.	DESCRIPTION/ LOCATION	ASBESTOS PRESENT Y/N	ASBESTOS TYPE	PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
23	69.1	BLACK AND GRAY RUBBERY MATERIAL, WINDOW FRAME CAULK, LAYER 1 OF 2.	N			AJK	94% NON FIBROUS MATTER 5% FIBROUS NON ASBESTOS 1% CELLULOSE
23	69.1	BROWN FIBROUS MATERIAL, WINDOW FRAME CAULK, LAYER 2 OF 2.	N			AJK	97% CELLULOSE 3% NON FIBROUS MATTER
24	69.2	WHITE RUBBERY MATERIAL, WINDOW FRAME CAULK.	N			AJK	100% NON FIBROUS MATTER
25	69.3	BLACK RUBBERY MATERIAL, WINDOW FRAME CAULK.	N			AJK	>93% NON FIBROUS MATTER 6% CELLULOSE <1% SYNTHETIC
26	70.1	WHITE RUBBER LIKE MATERIAL, INTERIOR WINDOW CAULK.	N			JAW	100% NON FIBROUS MATTER
27	70.2	BLACK RUBBER LIKE MATERIAL, INTERIOR WINDOW CAULK.	N			JAW	>99% NON FIBROUS MATTER <1% CELLULOSE

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			PRESENT Y/N				
28	70.3	GRAY CEMENTITIOUS MATERIAL, INTERIOR WINDOW CAULK.	Y	CHRYSTOLE	2%	JAW	98% NON FIBROUS MATTER
29	71.1	BROWN TO YELLOW FIBROUS MATERIAL, BLUE DUCT INSULATION.	N			AJK	60% FIBROUS GLASS 25% NON FIBROUS MATTER 15% MINERAL WOOL
30	71.2	BROWN TO YELLOW FIBROUS MATERIAL, BLUE DUCT INSULATION.	N			AJK	65% FIBROUS GLASS 25% NON FIBROUS MATTER 10% MINERAL WOOL
31	71.3	BROWN TO YELLOW FIBROUS MATERIAL, BLUE DUCT INSULATION.	N			AJK	50% FIBROUS GLASS 35% NON FIBROUS MATTER 15% MINERAL WOOL
32	72.1	BLACK VINYL MATERIAL, 4" BLACK BASEBOARD, LAYER 1 OF 2.	N			JAW	>99% NON FIBROUS MATTER <1% CELLULOSE
32	72.1	BROWN ASPHALTIC MATERIAL, 4" BLACK BASEBOARD MASTIC, LAYER 2 OF 2.	N			JAW	96% NON FIBROUS MATTER 4% CELLULOSE

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33	72.2	BLACK VINYL MATERIAL, 4" BLACK BASEBOARD, LAYER 1 OF 2.	N			JAW	>99% NON FIBROUS MATTER <1% CELLULOSE
33	72.2	BROWN ASPHALTIC MATERIAL, 4" BLACK BASEBOARD MASTIC, LAYER 2 OF 2.	N			JAW	92% NON FIBROUS MATTER 8% CELLULOSE
34	72.3	BLACK VINYL MATERIAL, 4" BLACK BASEBOARD, LAYER 1 OF 2.	N			JAW	100% NON FIBROUS MATTER
34	72.3	BROWN ASPHALTIC MATERIAL, 4" BLACK BASEBOARD MASTIC, LAYER 2 OF 2.	N			JAW	95% NON FIBROUS MATTER 5% CELLULOSE
35	73.1	GREEN CEMENTITIOUS MATERIAL, 12" X 12" GRAY WITH WHITE STREAK FLOOR TILE, LAYER 1 OF 2.	N			JAW	97% NON FIBROUS MATTER 3% CELLULOSE
35	73.1	BLACK ASPHALTIC MATERIAL, 12" X 12" GRAY FLOOR TILE MASTIC, LAYER 2 OF 2.	Y	CHRYSTOLE	2%	JAW	88% NON FIBROUS MATTER 10% CELLULOSE

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			PRESENT Y/N	ASBESTOS TYPE			
38	75.1	WHITE FIBROUS MATERIAL, CLOTH DUCT INSULATION, LAYER 1 OF 3.	N			AJK	85% CELLULOSE 15% NON FIBROUS MATTER
38	75.1	WHITE FIBROUS AND ORANGE ASPHALTIC MATERIAL, CLOTH DUCT INSULATION, LAYER 2 OF 3.	N			AJK	55% NON FIBROUS MATTER 30% CELLULOSE 15% FIBROUS GLASS
38	75.1	YELLOW, ORANGE AND WHITE FIBROUS MATERIAL, CLOTH DUCT INSULATION, LAYER 3 OF 3.	N			AJK	60% FIBROUS GLASS 35% CELLULOSE 5% NON FIBROUS MATTER
39	75.2	WHITE FIBROUS MATERIAL, CLOTH DUCT INSULATION, LAYER 1 OF 3.	N			AJK	80% CELLULOSE 20% NON FIBROUS MATTER
39	75.2	WHITE FIBROUS AND YELLOW ASPHALTIC MATERIAL, CLOTH DUCT INSULATION, LAYER 2 OF 3.	N			AJK	55% NON FIBROUS MATTER 35% CELLULOSE 10% FIBROUS GLASS

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39	75.2	WHITE, ORANGE AND YELLOW FIBROUS MATERIAL, CLOTH DUCT INSULATION, LAYER 3 OF 3.	N			AJK	67% FIBROUS GLASS 30% CELLULOSE 3% NON FIBROUS MATTER
40	75.3	WHITE FIBROUS MATERIAL, CLOTH DUCT INSULATION, LAYER 1 OF 2.	N			AJK	80% CELLULOSE 20% NON FIBROUS MATTER
40	75.3	WHITE AND YELLOW FIBROUS MATERIAL, CLOTH DUCT INSULATION.	N			AJK	45% CELLULOSE 40% NON FIBROUS MATTER 15% FIBROUS GLASS
41	76.1	WHITE RUBBER LIKE MATERIAL, BATHROOM CAULK.	N			JAW	96% NON FIBROUS MATTER 4% CELLULOSE
42	76.2	WHITE RUBBER LIKE MATERIAL, BATHROOM CAULK.	N			JAW	95% NON FIBROUS MATTER 5% CELLULOSE
43	76.3	WHITE RUBBERLIKE MATERIAL, BATHROOM CAULK.	N			JAW	92% NON FIBROUS MATTER 8% CELLULOSE

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44	77.1	WHITE TABULAR MATERIAL, 12" X 12" GRAY WITH LIGHT AND DARK SPOTS FLOOR TILE, LAYER 1 OF 2.	N			AJK	100% NON FIBROUS MATTER
44	77.1	YELLOW ASPHALTIC MATERIAL, 12" X 12" GRAY FLOOR TILE MASTIC, LAYER 2 OF 2.	N			AJK	100% NON FIBROUS MATTER
45	77.2	WHITE TABULAR MATERIAL, 12" X 12" GRAY WITH LIGHT AND DARK SPOTS FLOOR TILE, LAYER 1 OF 2.	N			AJK	100% NON FIBROUS MATTER
45	77.2	YELLOW ASPHALTIC MATERIAL, 12" X 12" GRAY FLOOR TILE MASTIC, LAYER 2 OF 2.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE
46	77.3	WHITE TABULAR MATERIAL, 12" X 12" GRAY WITH LIGHT AND DARK SPOTS FLOOR TILE, LAYER 1 OF 3.	N			AJK	100% NON FIBROUS MATTER
46	77.3	BROWN ASPHALTIC MATERIAL, 12" X 12" GRAY FLOOR TILE MASTIC, LAYER 2 OF 3.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE

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			PRESENT Y/N	ASBESTOS TYPE			
46	77.3	BLACK ASPHALTIC MATERIAL, 12" X 12" GRAY FLOOR TILE MASTIC, LAYER 3 OF 3	N			AJK	97% NON FIBROUS MATTER 3% CELLULOSE
47	78.1	BLACK VINYL MATERIAL, 6" BROWN BASEBOARD, LAYER 1 OF 2.	N			JAW	98% NON FIBROUS MATTER 2% CELLULOSE
47	78.1	BROWN ASPHALTIC MATERIAL, 6" BROWN BASEBOARD MASTIC, LAYER 2 OF 2.	N			JAW	90% NON FIBROUS MATTER 10% CELLULOSE
48	78.2	BLACK VINYL MATERIAL, 6" BROWN BASEBOARD, LAYER 1 OF 2.	N			JAW	>99% NON FIBROUS MATTER <1% CELLULOSE
48	78.2	BROWN ASPHALTIC MATERIAL, 6" BROWN BASEBOARD MASTIC, LAYER 2 OF 2.	N			JAW	94% NON FIBROUS MATTER 6% CELLULOSE
49	78.3	BLACK VINYL MATERIAL, 6" BROWN BASEBOARD, LAYER 1 OF 2.	N			JAW	98% NON FIBROUS MATTER 2% CELLULOSE
49	78.3	BROWN ASPHALTIC MATERIAL, 6" BROWN BASEBOARD MASTIC, LAYER 2 OF 2.	N			JAW	92% NON FIBROUS MATTER 8% CELLULOSE

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			PRESENT Y/N	ASBESTOS TYPE			
50	79.1	GRAY FIBROUS MATERIAL, SPRAY-ON	N			JAW	80% NON FIBROUS MATTER 20% CELLULOSE
51	79.2	GRAY FIBROUS MATERIAL, SPRAY-ON.	N			JAW	90% NON FIBROUS MATTER 10% CELLULOSE
52	79.3	GRAY FIBROUS MATERIAL, SPRAY-ON.	N			JAW	90% NON FIBROUS MATTER 10% CELLULOSE
53	80.1	GRAY CEMENTITIOUS MATERIAL, WINDOW GLAZING.	Y	CHRYBOTILE	2%	JAW	98% NON FIBROUS MATTER
56	81.1	GRAY RUBBERY MATERIAL, EXTERIOR BUILDING CAULK.	Y	CHRYBOTILE	2%	AJK	>97% NON FIBROUS MATTER <1% CELLULOSE 10% CELLULOSE
59	82.1	GRAY CEMENTITIOUS MATERIAL, GLASS-BLOCK TO BRICK CAULK.	Y	CHRYBOTILE	2%	JAW	98% NON FIBROUS MATTER
62	83.1	WHITE RUBBERLIKE MATERIAL, EXTERIOR WALL PENETRATION CAULK.	N			JAW	94% NON FIBROUS MATTER 6% FIBROUS GLASS

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			PRESENT Y/N	ASBESTOS TYPE			
63	83.2	BROWN CEMENTITIOUS MATERIAL, EXTERIOR WALL PENETRATION CAULK.	Y	CHRYSTILE	2%	JAW	98% NON FIBROUS MATTER
65	84.1	WHITE RUBBERY MATERIAL, EXTERIOR BRICK TO FOUNDATION CAULK.	N			AJK	100% NON FIBROUS MATTER
66	84.2	WHITE RUBBERY MATERIAL, EXTERIOR BRICK TO FOUNDATION CAULK.	N			AJK	100% NON FIBROUS MATTER
67	84.3	WHITE RUBBERY MATERIAL, EXTERIOR BRICK TO FOUNDATION CAULK.	N			AJK	100% NON FIBROUS MATTER
68	85.1	BLACK ASPHALTIC MATERIAL, FOUNDATION FLASHING, LAYER 1 OF 3.	N			AJK	99% NON FIBROUS MATTER 1% CELLULOSE
68	85.1	YELLOW RUBBERY MATERIAL, FOUNDATION FLASHING, LAYER 2 OF 3.	N			AJK	100% NON FIBROUS MATTER
68	85.1	BLACK TO GRAY ASPHALTIC MATERIAL, FOUNDATION FLASHING, LAYER 3 OF 3.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE

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CLIENT P.O.#: N/A

C.O.C. NO.: 035911 - 035925

Bulk samples are analyzed utilizing the USEPA Test Method EPA/600/R-93/116. The constituent percent reported represents an estimate of the area percent of the component. The test report relates only to items tested. This report is not intended to be used as a product endorsement by NVLAP or any agency of the U.S. Government. Fine fibers like those in floor tile may not be discernible by this method. This report shall not be reproduced, except in full, without written approval of the laboratory.

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FIBERTEC SAMPLE NO.	CLIENT ID. NO.	DESCRIPTION/ LOCATION	ASBESTOS		PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
			PRESENT Y/N	ASBESTOS TYPE			
69	85.2	BLACK ASPHALTIC MATERIAL, FOUNDATION FLASHING, LAYER 1 OF 3.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE
69	85.2	YELLOW TO WHITE RUBBERY MATERIAL, FOUNDATION FLASHING, LAYER 2 OF 3.	N			AJK	100% NON FIBROUS MATTER
69	85.2	BLACK TO GRAY ASPHALTIC MATERIAL, FOUNDATION FLASHING, LAYER 3 OF 3.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE
70	85.3	BLACK ASPHALTIC MATERIAL, FOUNDATION FLASHING, LAYER 1 OF 3.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE
70	85.3	YELLOWISH WHITE RUBBERY MATERIAL, FOUNDATION FLASHING, LAYER 2 OF 3.	N			AJK	100% NON FIBROUS MATTER
70	85.3	BLACK TO GRAY ASPHALTIC MATERIAL, FOUNDATION FLASING, LAYER 3 OF 3.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE
71	86.1	WHITE RUBBERY MATERIAL, EXTERIOR WINDOW FRAME CAULK, LAYER 1 OF 2.	N			AJK	100% NON FIBROUS MATTER

COMMENTS:

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BULK SAMPLE ANALYTICAL REPORT

CLIENT: MERIT LABORATORIES, INC.

DATE SUBMITTED: 1/18/07

DATE ANALYZED: 1/22/07

NVLAP ACCREDITATION #101510-0
FIBERTEC PROJECT NO.: 23226-1

PROJECT:

 4965 - MAIN PLANT, MERIT PROJECT #30404, 169 SUBMITTED BULK SAMPLES,
 222 SAMPLE LAYERS ANALYZED.

CLIENT P.O.#: N/A

C.O.C. NO.: 035911 - 035925

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FIBERTEC SAMPLE NO.	CLIENT ID. NO.	DESCRIPTION/ LOCATION	ASBESTOS PRESENT Y/N	ASBESTOS TYPE	PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
71	86.1	WHITE TO CREAM RUBBERY MATERIAL, EXTERIOR WINDOW FRAME CAULK, LAYER 2 OF 2.	N			AJK	100% NON FIBROUS MATTER
72	86.2	WHITE RUBBERY MATERIAL, EXTERIOR WINDOW FRAME CAULK.	N			AJK	100% NON FIBROUS MATTER
73	86.3	WHITE RUBBERY MATERIAL, EXTERIOR WINDOW FRAME CAULK.	N			AJK	100% NON FIBROUS MATTER
74	87.1	BLACK CEMENTITIOUS MATERIAL, TRANSITE COUNTER TOP, LAYER 1 OF 2.	N			AJK	100% NON FIBROUS MATTER
74	87.1	BLACK GRANULAR CEMENTITIOUS MATERIAL, TRANSITE COUNTER TOP, LAYER 2 OF 2.	N			AJK	100% NON FIBROUS MATTER
75	87.2	BLACK CEMENTITIOUS MATERIAL, TRANSITE COUNTER TOP, LAYER 1 OF 2.	N			AJK	100% NON FIBROUS MATTER

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FIBERTEC PROJECT NO.: 23226-1

PROJECT:

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 222 SAMPLE LAYERS ANALYZED.

CLIENT P.O.#: N/A

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FIBERTEC SAMPLE NO.	CLIENT I.D. NO.	DESCRIPTION/ LOCATION	ASBESTOS		PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
			PRESENT Y/N	ASBESTOS TYPE			
75	87.2	BLACK GRANULAR CEMENTITIOUS MATERIAL, TRANSITE COUNTER TOP, LAYER 2 OF 2.	N			AJK	100% NON FIBROUS MATTER
76	87.3	BLACK CEMENTITIOUS MATERIAL, TRANSITE COUNTER TOP, LAYER 1 OF 2.	N			AJK	100% NON FIBROUS MATTER
76	87.3	BLACK GRANULAR CEMENTITIOUS MATERIAL, TRANSITE COUNTER TOP, LAYER 2 OF 2.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE
77	89.1	BROWN AND YELLOW RUBBERY MATERIAL, 12" X 12" LIGHT GRAY FLOOR TILE, LAYER 1 OF 3.	N			AJK	100% NON FIBROUS MATTER
77	89.1	LIGHT GRAY TABULAR MATERIAL, 12" X 12" LIGHT GRAY FLOOR TILE, LAYER 2 OF 3.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE
77	89.1	BLACK ASPHALTIC MATERIAL, 12" X 12" LIGHT GRAY FLOOR TILE MASTIC, LAYER 3 OF 3.	N			AJK	95% NON FIBROUS MATTER 5% CELLULOSE

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78	89.2	LIGHT BLUISH GRAY TABULAR MATERIAL, 12" X 12" LIGHT GRAY FLOOR TILE, LAYER 1 OF 2.	N			AJK	100% NON FIBROUS MATTER
78	89.2	BLACK ASPHALTIC MATERIAL, 12" X 12" LIGHT GRAY FLOOR TILE MASTIC, LAYER 2 OF 2.	N			AJK	95% NON FIBROUS MATTER 5% CELLULOSE
79	89.3	LIGHT BLUISH GRAY MATERIAL, 12" X 12" LIGHT GRAY FLOOR TILE, LAYER 1 OF 2.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE
79	89.3	BLACK ASPHALTIC MATERIAL, 12" X 12" LIGHT GRAY FLOOR TILE MASTIC, LAYER 2 OF 2.	N			AJK	96% NON FIBROUS MATTER 4% CELLULOSE
80	90.1	WHITE FIBROUS TABULAR MATERIAL, TANK INSULATION, LAYER 1 OF 2.	N			AJK	55% CELLULOSE 43% NON FIBROUS MATTER 2% FIBROUS GLASS

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CLIENT P.O.#: N/A

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80	90.1	TAN FIBROUS POWDERY MATERIAL, TANK INSULATION, LAYER 2 OF 2.	N			AJK	60% NON FIBROUS MATTER 36% FIBROUS GLASS 3% MINERAL WOOL 1% CELLULOSE
81	90.2	WHITE FIBROUS TABULAR MATERIAL, TANK INSULATION, LAYER 1 OF 2.	N			AJK	55% CELLULOSE 43% NON FIBROUS MATTER 2% FIBROUS GLASS
81	90.2	TAN FIBROUS POWDERY MATERIAL, TANK INSULATION, LAYER 2 OF 2.	N			AJK	50% FIBROUS GLASS 45% NON FIBROUS MATTER 4% MINERAL WOOL 1% CELLULOSE
82	90.3	TAN FIBROUS MATERIAL, TANK INSULATION, LAYER 1 OF 2.	N			AJK	>78% NON FIBROUS MATTER 20% FIBROUS GLASS <1% CELLULOSE 1% MINERAL WOOL

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BULK SAMPLE ANALYTICAL REPORT

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82	90.3	GRAY FIBROUS MATERIAL, TANK INSULATION, LAYER 2 OF 2.	N			AJK	68% NON FIBROUS MATTER 25% FIBROUS GLASS 4% MINERAL WOOL 3% CELLULOSE
83	91.1	GRAY PLASTIC MATERIAL, HVAC GLUE.	N			AJK	100% NON FIBROUS MATTER
84	91.2	GRAY PLASTIC MATERIAL, HVAC GLUE.	N			AJK	100% NON FIBROUS MATTER
85	92.1	BROWN CEMENTITIOUS MATERIAL, 12" X 12" BROWN WITH WHITE SPECK FLOOR TILE, LAYER 1 OF 2.	N			JAW	>99% NON FIBROUS MATTER <1% CELLULOSE
85	92.1	BROWN ASPHALTIC MATERIAL, 12" X 12" BROWN FLOOR TILE MASTIC, LAYER 2 OF 2.	N			JAW	93% NON FIBROUS MATTER 7% CELLULOSE
86	92.2	BROWN CEMENTITIOUS MATERIAL, 12" X 12" BROWN WITH WHITE SPECK FLOOR TILE, LAYER 1 OF 2.	N			JAW	100% NON FIBROUS MATTER

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			PRESENT Y/N	ASBESTOS TYPE			
86	92.2	BROWN ASPHALTIC MATERIAL, 12" X 12" BROWN FLOOR TILE MASTIC, LAYER 2 OF 2.	N			JAW	94% NON FIBROUS MATTER 6% CELLULOSE
87	92.3	BROWN CEMENTITIOUS MATERIAL, 12" X 12" BROWN WITH WHITE SPECK FLOOR TILE, LAYER 1 OF 2.	N			JAW	>99% NON FIBROUS MATTER <1% CELLULOSE
87	92.3	BROWN ASPHALTIC MATERIAL, 12" X 12" BROWN FLOOR TILE MASTIC, LAYER 2 OF 2.	N			JAW	94% NON FIBROUS MATTER 6% CELLULOSE
88	93.1	WHITE AND BLACK GRANULAR ASPHALTIC MATERIAL, BLACK MASTIC WITH FLOORING.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE
89	93.2	BLACK ASPHALTIC RUBBERY MATERIAL, BLACK MASTIC WITH FLOORING.	N	CHRYSTOLE	<1%	AJK	>98% NON FIBROUS MATTER 1% CELLULOSE
90	93.3	BLACK ASPHALTIC MATERIAL, BLACK MASTIC WITH FLOORING.	N			AJK	99% NON FIBROUS MATTER 1% CELLULOSE

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PROJECT:

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			PRESENT Y/N	ASBESTOS TYPE			
91	94.1	WHITE FIBROUS MATERIAL, 12" X 12" CEILING TILE, LAYER 1 OF 2.	N			SDH	54% NON FIBROUS MATTER 46% MINERAL WOOL
91	94.1	BROWN BRITTLE MATERIAL, 12" X 12" CEILING TILE GLUE PODS, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
92	94.2	WHITE FIBROUS MATERIAL, 12" X 12" CEILING TILE, LAYER 1 OF 2.	N			SDH	50% MINERAL WOOL 50% NON FIBROUS MATTER
92	94.2	BROWN BRITTLE MATERIAL, 12" X 12" CEILING TILE GLUE PODS, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
93	94.3	WHITE FIBROUS MATERIAL, 12" X 12" CEILING TILE, LAYER 1 OF 2.	N			SDH	50% MINERAL WOOL 50% NON FIBROUS MATTER
93	94.3	BROWN BRITTLE MATERIAL, 12" X 12" CEILING TILE GLUE PODS, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
94	95.1	RED PLASTIC MATERIAL, 4" MAROON BASEBOARD, LAYER 1 OF 2.	N			SDH	100% NON FIBROUS MATTER

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			PRESENT Y/N	ASBESTOS TYPE			
94	95.1	YELLOW PLASTIC MATERIAL, 4" MAROON BASEBOARD MASTIC, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
95	95.2	RED PLASTIC MATERIAL, 4" MAROON BASEBOARD, LAYER 1 OF 2.	N			SDH	100% NON FIBROUS MATTER
95	95.2	YELLOW PLASTIC MATERIAL, 4" MAROON BASEBOARD MASTIC, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
96	95.3	RED PLASTIC MATERIAL, 4" MAROON BASEBOARD, LAYER 1 OF 2.	N			SDH	100% NON FIBROUS MATTER
96	95.3	YELLOW PLASTIC MATERIAL, 4" MAROON BASEBOARD MASTIC, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
97	96.1	BROWN CEMENTITIOUS MATERIAL, 12" X 12" DARK BROWN WITH LIGHT SPECK FLOOR TILE, LAYER 1 OF 2.	N			JAW	>99% NON FIBROUS MATTER <1% CELLULOSE
97	96.1	BROWN ASPHALTIC MATERIAL, 12" X 12" DARK BROWN FLOOR TILE MASTIC, LAYER 2 OF 2.	N			JAW	93% NON FIBROUS MATTER 7% CELLULOSE

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98	96.2	BROWN CEMENTITIOUS MATERIAL, 12" X 12" DARK BROWN AND LIGHT SPECK FLOOR TILE, LAYER 1 OF 2.	N			JAW	>99% NON FIBROUS MATTER <1% CELLULOSE
98	96.2	BROWN ASPHALTIC MATERIAL, 12" X 12" DARK BROWN FLOOR TILE MASTIC, LAYER 2 OF 2.	N			JAW	96% NON FIBROUS MATTER 4% CELLULOSE
99	96.3	BROWN CEMENTITIOUS MATERIAL, 12" X 12" DARK BROWN AND LIGHT SPECK FLOOR TILE, LAYER 1 OF 2.	N			JAW	>99% NON FIBROUS MATTER <1% CELLULOSE
99	96.3	BROWN ASPHALTIC MATERIAL, 12" X 12" DARK BROWN FLOOR TILE MASTIC, LAYER 2 OF 2.	N			JAW	96% NON FIBROUS MATTER 4% CELLULOSE
100	97.1	WHITE TABULAR MATERIAL, 12" X 12" CREAM WITH GRAY SPECK FLOOR TILE, LAYER 1 OF 2.	N			SDH	99% NON FIBROUS MATTER 1% CELLULOSE

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FIBERTEC SAMPLE NO.	CLIENT I.D. NO.	DESCRIPTION/ LOCATION	ASBESTOS PRESENT Y/N	ASBESTOS TYPE	PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
100	97.1	ORANGE PLASTIC MATERIAL, 12" X 12" CREAM FLOOR TILE MASTIC, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
101	97.2	WHITE TABULAR MATERIAL, 12" X 12" CREAM WITH GRAY SPECK FLOOR TILE, LAYER 1 OF 2.	N			SDH	99% NON FIBROUS MATTER 1% CELLULOSE
101	97.2	ORANGE PLASTIC MATERIAL, 12" X 12" CREAM FLOOR TILE MASTIC, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
102	97.3	WHITE TABULAR MATERIAL, 12" X 12" CREAM WITH GRAY SPECK FLOOR TILE, LAYER 1 OF 3.	N			SDH	99% NON FIBROUS MATTER 1% CELLULOSE
102	97.3	ORANGE PLASTIC MATERIAL, 12" X 12" CREAM FLOOR TILE MASTIC, LAYER 2 OF 3.	N			SDH	100% NON FIBROUS MATTER

COMMENTS:

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BULK SAMPLE ANALYTICAL REPORT

CLIENT: MERIT LABORATORIES, INC.

DATE SUBMITTED: 1/18/07

DATE ANALYZED: 1/22/07

NVLAP ACCREDITATION #101510-0
FIBERTEC PROJECT NO.: 23226-1

PROJECT:

 4965 - MAIN PLANT, MERIT PROJECT #30404, 169 SUBMITTED BULK SAMPLES,
 222 SAMPLE LAYERS ANALYZED.

CLIENT P.O.#: N/A

C.O.C. NO.: 035911 - 035925

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102	97.3	BLACK ASPHALTIC MATERIAL, 12" X 12" CREAM FLOOR TILE MASTIC, LAYER 3 OF 3.	Y	CHRYSTILE	5%	SDH	95% NON FIBROUS MATTER
103	98.1	YELLOWISH BROWN ASPHALTIC MATERIAL, YELLOW CARPET GLUE, LAYER 1 OF 2.	Y	CHRYSTILE	3%	AJK	>96% NON FIBROUS MATTER <1% CELLULOSE
103	98.1	DARK BROWN ASPHALTIC MATERIAL, YELLOW CARPET GLUE, LAYER 2 OF 2.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE
106	99.1	BLACK VINYL MATERIAL, 6" BLACK BASEBOARD, LAYER 1 OF 2.	N			SDH	100% NON FIBROUS MATTER
106	99.1	BEIGE PLASTIC MATERIAL, 6" BLACK BASEBOARD MASTIC, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
107	99.2	BLACK VINYL MATERIAL, 6" BLACK BASEBOARD, LAYER 1 OF 2.	N			SDH	100% NON FIBROUS MATTER

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			PRESENT Y/N	ASBESTOS TYPE			
107	99.2	BROWN BRITTLE MATERIAL, 6" BLACK BASEBOARD MASTIC, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
108	99.3	BLACK VINYL MATERIAL, 6" BLACK BASEBOARD, LAYER 1 OF 2.	N			SDH	99% NON FIBROUS MATTER 1% CELLULOSE
108	99.3	BEIGE PLASTER MATERIAL, 6" BLACK BASEBOARD MASTIC, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
109	100.1	GREEN CEMENTITIOUS MATERIAL, 9" X 9" GREEN FLOOR TILE, LAYER 1 OF 2.	N			JAW	98% NON FIBROUS MATTER 2% CELLULOSE
109	100.1	BLACK ASPHALTIC MATERIAL, 9" X 9" GREEN FLOOR TILE MASTIC, LAYER 2 OF 2.	Y	CHRYSTOLE	3%	JAW	97% NON FIBROUS MATTER
112	101.1	BLACK TO BROWN BRITTLE MATERIAL, 12" X 12" LIGHT GREEN WITH WHITE SPECK FLOOR TILE, LAYER 1 OF 3.	N			AJK	95% NON FIBROUS MATTER 5% CELLULOSE

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			PRESENT Y/N	ASBESTOS TYPE			
112	101.1	WHITE TABULAR MATERIAL, 12" X 12" LIGHT GREEN WITH WHITE SPECK FLOOR TILE, LAYER 2 OF 3.	Y	CHRYSOTILE	2%	AJK	>94% NON FIBROUS MATTER 3% FIBROUS NON ASBESTOS <1% CELLULOSE
112	101.1	BLACK ASPHALTIC MATERIAL, 12" X 12" LIGHT GREEN FLOOR TILE MASTIC, LAYER 3 OF 3.	N	CHRYSOTILE	<1%	AJK	>96% NON FIBROUS MATTER 3% CELLULOSE
115	102.1	PINK GRANULAR MATERIAL, WHITE SINK UNDERCOATING.	Y	CHRYSOTILE	6%	SDH	91% NON FIBROUS MATTER 3% CELLULOSE
116	103.1	BROWN TABULAR MATERIAL, 9" X 9" DARK BROWN WITH WHITE STREAK FLOOR TILE, LAYER 1 OF 2.	Y	CHRYSOTILE	3%	SDH	97% NON FIBROUS MATTER
116	103.1	BLACK ASPHALTIC MATERIAL, 9" X 9" DARK BROWN FLOOR TILE MASTIC, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
119	104.1	GRAY CEMENTITIOUS MATERIAL, 12" X 12" GRAY FLOOR TILE, LAYER 1 OF 2.	N			JAW	97% NON FIBROUS MATTER 3% CELLULOSE

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FIBERTEC PROJECT NO.: 23226-1

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CLIENT P.O.#: N/A

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			PRESENT Y/N	ASBESTOS TYPE			
119	104.1	BROWN ASPHALTIC MATERIAL, 12" X 12" GRAY FLOOR TILE MASTIC, LAYER 2 OF 2.	N			JAW	88% NON FIBROUS MATTER 12% CELLULOSE
120	104.2	GRAY CEMENTITIOUS MATERIAL, 12" X 12" GRAY FLOOR TILE, LAYER 1 OF 2.	N			JAW	96% NON FIBROUS MATTER 4% CELLULOSE
120	104.2	BROWN ASPHALTIC MATERIAL, 12" X 12" GRAY FLOOR TILE MASTIC, LAYER 2 OF 2.	N			JAW	92% NON FIBROUS MATTER 8% CELLULOSE
121	104.3	GRAY CEMENTITIOUS MATERIAL, 12" X 12" GRAY FLOOR TILE, LAYER 1 OF 2.	N			JAW	98% NON FIBROUS MATTER 2% CELLULOSE
121	104.3	BROWN ASPHALTIC MATERIAL, 12" X 12" GRAY FLOOR TILE MASTIC, LAYER 2 OF 2.	N			JAW	90% NON FIBROUS MATTER 10% CELLULOSE
122	105.1	WHITE TABULAR MATERIAL, 12" X 12" WHITE WITH BLACK STREAK FLOOR TILE, LAYER 1 OF 2.	N			SDH	100% NON FIBROUS MATTER
122	105.1	YELLOW PLASTIC MATERIAL, 12" X 12" WHITE WITH BLACK FLOOR TILE, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER

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BULK SAMPLE ANALYTICAL REPORT

CLIENT: MERIT LABORATORIES, INC.**DATE SUBMITTED:** 1/18/07**DATE ANALYZED:** 1/22/07**NVLAP ACCREDITATION #101510-0****FIBERTEC PROJECT NO.:** 23226-1**PROJECT:**4965 - MAIN PLANT, MERIT PROJECT #30404, 169 SUBMITTED BULK SAMPLES,
222 SAMPLE LAYERS ANALYZED.**CLIENT P.O.#:** N/A**C.O.C. NO.:** 035911 - 035925

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			PRESENT Y/N	ASBESTOS TYPE			
123	105.2	WHITE TABULAR MATERIAL, 12" X 12" WHITE WITH BLACK STREAK FLOOR TILE, LAYER 1 OF 2.	N			SDH	100% NON FIBROUS MATTER
123	105.2	YELLOW TACKY MATERIAL, 12" X 12" WHITE FLOOR TILE MASTIC, LAYER 2 OF 2.	N			SDH	91% NON FIBROUS MATTER 9% CELLULOSE
124	105.3	WHITE TABULAR MATERIAL, 12" X 12" WHITE WITH BLACK STREAK FLOOR TILE, LAYER 1 OF 2.	N			SDH	100% NON FIBROUS MATTER
124	105.3	YELLOW PLASTER MATERIAL, 12" X 12" WHITE FLOOR TILE MASTIC, LAYER 2 OF 2.	N			SDH	92% NON FIBROUS MATTER 8% CELLULOSE
125	106.1	WHITE TABULAR MATERIAL, 12" X 12" BROWN BUSY PATTERN FLOOR TILE, LAYER 1 OF 2.	N			SDH	100% NON FIBROUS MATTER

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BULK SAMPLE ANALYTICAL REPORT

CLIENT: MERIT LABORATORIES, INC.

DATE SUBMITTED: 1/18/07

DATE ANALYZED: 1/22/07

NVLAP ACCREDITATION #101510-0
FIBERTEC PROJECT NO.: 23226-1

PROJECT:

 4965 - MAIN PLANT, MERIT PROJECT #30404, 169 SUBMITTED BULK SAMPLES,
 222 SAMPLE LAYERS ANALYZED.

CLIENT P.O.#: N/A

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			PRESENT Y/N	ASBESTOS TYPE			
125	106.1	BLACK ASPHALTIC MATERIAL, 12" X 12" BROWN FLOOR TILE MASTIC, LAYER 2 OF 2.	Y	CHRYSOTILE	3%	SDH	97% NON FIBROUS MATTER
128	107.1	GREENISH TABULAR AND TAN FIBROUS MATERIAL, GREEN LINOLEUM, LAYER 1 OF 2.	Y	CHRYSOTILE	45%	AJK	52% NON FIBROUS MATTER 3% CELLULOSE
128	107.1	BROWN ASPHALTIC MATERIAL, GREEN LINOLEUM MASTIC, LAYER 2 OF 2.	Y	CHRYSOTILE	2%	AJK	96% NON FIBROUS MATTER 2% CELLULOSE
131	108.1	GRAY TABULAR MATERIAL, 12" X 12" GRAY BUSY PATTERN FLOOR TILE, LAYER 1 OF 2.	N			SDH	100% NON FIBROUS MATTER
131	108.1	BLACK ASPHALTIC MATERIAL, 12" X 12" GRAY FLOOR TILE MASTIC, LAYER 2 OF 2.	Y	CHRYSOTILE	2%	SDH	98% NON FIBROUS MATTER
134	109.1	GRAY VINYL MATERIAL, 4" GRAY BASEBOARD, LAYER 1 OF 2.	N			JAW	100% NON FIBROUS MATTER

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			PRESENT Y/N	ASBESTOS TYPE			
134	109.1	BROWN ASPHALTIC MATERIAL, 4" GRAY BASEBOARD MASTIC, LAYER 2 OF 2.	N			JAW	97% NON FIBROUS MATTER 3% CELLULOSE
135	109.2	GRAY VINYL MATERIAL, 4" GRAY BASEBOARD, LAYER 1 OF 2.	N			JAW	97% NON FIBROUS MATTER 3% CELLULOSE
135	109.2	BROWN ASPHALTIC MATERIAL, 4" GRAY BASEBOARD MASTIC, LAYER 2 OF 2.	N			JAW	95% NON FIBROUS MATTER 5% CELLULOSE
136	109.3	GRAY VINYL MATERIAL, 4" GRAY BASEBOARD, LAYER 1 OF 2.	N			JAW	96% NON FIBROUS MATTER 4% CELLULOSE
136	109.3	BROWN ASPHALTIC MATERIAL, 4" GRAY BASEBOARD MASTIC, LAYER 2 OF 2.	N			JAW	97% NON FIBROUS MATTER 3% CELLULOSE
137	110.1	WHITE FIBROUS MATERIAL, 2' X 4' CEILING TILE , LAYER 1 OF 2.	N			SDH	62% MINERAL WOOL 38% NON FIBROUS MATTER
137	110.1	BROWN PLASTIC MATERIAL, 2' X 4' CEILING TILE GLUE PODS, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER

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			PRESENT Y/N	ASBESTOS TYPE			
138	110.2	WHITE FIBROUS MATERIAL, 2' X 4' CEILING TILE, LAYER 1 OF 2.	N			SDH	65% MINERAL WOOL 35% NON FIBROUS MATTER
138	110.2	BROWN PLASTIC MATERIAL, 2' X 4' CEILING TILE GLUE PODS, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
139	110.3	WHITE FIBROUS MATERIAL, 2' X 4' CEILING TILE, LAYER 1 OF 2.	N			SDH	60% MINERAL WOOL 40% NON FIBROUS MATTER
139	110.3	BROWN PLASTIC MATERIAL, 2' X 4' CEILING TILE MASTIC, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
140	111.1	WHITE TO TAN GRANULAR MATERIAL, INTERIOR WINDOW CAULK IN DOORS.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE
141	111.2	BLACK ASPHALTIC MATERIAL, INTERIOR WINDOW CAULK IN DOORS.	N	CHRYSTOLE	<1%	AJK	>96% NON FIBROUS MATTER 3% CELLULOSE
142	111.3	WHITE GRANULAR MATERIAL, INTERIOR WINDOW CAULK IN DOORS, LAYER 1 OF 2.	N			AJK	>99% NON FIBROUS MATTER <1% CELLULOSE

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			PRESENT Y/N	ASBESTOS TYPE			
142	111.3	BLACK AND GRAY GRANULAR MATERIAL, INTERIOR WINDOW CAULK IN DOORS, LAYER 2 OF 2.	N			AJK	>98% NON FIBROUS MATTER <1% FIBROUS GLASS 1% CELLULOSE
143	112.1	WHITE TABULAR MATERIAL, 12" X 12" MARBLE PATTERN FLOOR TILE, LAYER 1 OF 2.	N			SDH	99% NON FIBROUS MATTER 1% CELLULOSE
143	112.1	BLACK ASPHALTIC MATERIAL, 12" X 12" MARBLE PATTERN FLOOR TILE MASTIC, LAYER 2 OF 2.	N			SDH	100% NON FIBROUS MATTER
144	112.2	WHITE TABULAR MATERIAL, 12" X 12" MARBLE PATTERN FLOOR TILE, LAYER 1 OF 2.	N			SDH	99% NON FIBROUS MATTER 1% CELLULOSE
144	112.2	BLACK ASPHALTIC MATERIAL, 12" X 12" MARBLE PATTERN FLOOR TILE MASTIC, LAYER 2 OF 2.	N			SDH	99% NON FIBROUS MATTER 1% CELLULOSE

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CLIENT P.O.#: N/A

C.O.C. NO.: 035911 - 035925

Bulk samples are analyzed utilizing the USEPA Test Method EPA/600/R-93/116. The constituent percent reported represents an estimate of the area percent of the component. The test report relates only to items tested. This report is not intended to be used as a product endorsement by NVLAP or any agency of the U.S. Government. Fine fibers like those in floor tile may not be discernible by this method. This report shall not be reproduced, except in full, without written approval of the laboratory.

*No asbestos present indicates less than or equal to 1% asbestos present. Test items were received in an acceptable condition.

FIBERTEC SAMPLE NO.	CLIENT I.D. NO.	DESCRIPTION/ LOCATION	ASBESTOS	ASBESTOS TYPE	PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
			PRESENT Y/N				
145	112.3	WHITE TABULAR MATERIAL, 12" X 12" MARBLE PATTERN FLOOR TILE, LAYER 1 OF 2.	N			SDH	99% NON FIBROUS MATTER 1% CELLULOSE
145	112.3	BLACK ASPHALTIC MATERIAL, 12" X 12" MARBLE PATTERN FLOOR TILE MASTIC, LAYER 2 OF 2.	N			SDH	99% NON FIBROUS MATTER 1% CELLULOSE
146	113.1	BROWN PLASTIC MATERIAL, WALL GLUE BEHIND WOOD PANEL.	N			SDH	100% NON FIBROUS MATTER
147	113.2	BROWN PLASTIC MATERIAL, WALL GLUE BEHIND WOOD PANEL.	N			SDH	100% NON FIBROUS MATTER
148	113.3	BROWN PLASTIC MATERIAL, WALL GLUE BEHIND WOOD PANEL.	N			SDH	100% NON FIBROUS MATTER
149	114.1	GREEN PLASTIC AND WHITE FELT MATERIAL, GREEN LAMINATE FLOOR COVERING.	Y	CHRYSTOLE	18%	SDH	82% NON FIBROUS MATTER

COMMENTS:

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Holt, Michigan 48842

Telephone: (517) 699-0345

Facsimile: (517) 699-0382

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Arcadis

Jun 22, 2009 16:22



BULK SAMPLE ANALYTICAL REPORT

CLIENT: MERIT LABORATORIES, INC.

DATE SUBMITTED: 1/18/07

DATE ANALYZED: 1/22/07

NVLAP ACCREDITATION #101510-0
FIBERTEC PROJECT NO.: 23226-1

PROJECT:

 4965 - MAIN PLANT, MERIT PROJECT #30404, 169 SUBMITTED BULK SAMPLES,
 222 SAMPLE LAYERS ANALYZED.

CLIENT P.O.#: N/A

C.O.C. NO.: 035911 - 035925

Bulk samples are analyzed utilizing the USEPA Test Method EPA/600/R-93/116. The constituent percent reported represents an estimate of the area percent of the component. The test report relates only to items tested. This report is not intended to be used as a product endorsement by NVLAP or any agency of the U.S. Government. Fine fibers like those in floor tile may not be discernible by this method. This report shall not be reproduced, except in full, without written approval of the laboratory.

*No asbestos present indicates less than or equal to 1% asbestos present. Test items were received in an acceptable condition.

FIBERTEC SAMPLE NO.	CLIENT ID. NO.	DESCRIPTION/ LOCATION	ASBESTOS PRESENT Y/N	ASBESTOS TYPE	PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
152	115.1	WHITE TABULAR MATERIAL, 9" X 9" WHITE WITH BLACK STREAK FLOOR TILE, LAYER 1 OF 2.	N			SDH	98% NON FIBROUS MATTER 2% CELLULOSE
152	115.1	BLACK ASPHALTIC MATERIAL, 9" X 9" WHITE FLOOR TILE MASTIC, LAYER 2 OF 2.	Y	CHRYSTILE	4%	SDH	96% NON FIBROUS MATTER
155	116.1	WHITE SOFT MATERIAL, TEXTURED PLASTER CEILING.	N			SDH	98% NON FIBROUS MATTER 2% CELLULOSE
156	116.2	WHITE SOFT MATERIAL, TEXTURED PLASTER CEILING.	N			SDH	98% NON FIBROUS MATTER 2% CELLULOSE
158	117.1	BROWN VINYL MATERIAL, YELLOW ROCK PATTERN LINOLEUM FLOORING, LAYER 1 OF 2.	Y	CHRYSTILE	15%	JAW	85% NON FIBROUS MATTER
158	117.1	BROWN ASPHALTIC MATERIAL, YELLOW ROCK PATTERN LINOLEUM FLOORING MASTIC, LAYER 2 OF 2.	N			JAW	90% NON FIBROUS MATTER 10% CELLULOSE

COMMENTS:

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BULK SAMPLE ANALYTICAL REPORT

CLIENT: MERIT LABORATORIES, INC.

DATE SUBMITTED: 1/18/07

DATE ANALYZED: 1/22/07

NVLAP ACCREDITATION #101510-0
FIBERTEC PROJECT NO.: 23226-1

PROJECT:

 4965 - MAIN PLANT, MERIT PROJECT #30404, 169 SUBMITTED BULK SAMPLES,
 222 SAMPLE LAYERS ANALYZED.

CLIENT P.O.#: N/A

C.O.C. NO.: 035911 - 035925

Bulk samples are analyzed utilizing the USEPA Test Method EPA/600/R-93/116. The constituent percent reported represents an estimate of the area percent of the component. The test report relates only to items tested. This report is not intended to be used as a product endorsement by NVLAP or any agency of the U.S. Government. Fine fibers like those in floor tile may not be discernible by this method. This report shall not be reproduced, except in full, without written approval of the laboratory.

*No asbestos present indicates less than or equal to 1% asbestos present. Test items were received in an acceptable condition.

FIBERTEC SAMPLE NO.	CLIENT ID. NO.	DESCRIPTION/ LOCATION	ASBESTOS		PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
			PRESENT Y/N	ASBESTOS TYPE			
161	120.1	GRAY TABULAR AND FELT MATERIAL, GRAY ROCK PATTERN LINOLEUM.	Y	CHRYSTILE	14%	SDH	86% NON FIBROUS MATTER
164	121.1	GRAY PLASTIC MATERIAL, GRAY ROOF CAULK.	N			SDH	100% NON FIBROUS MATTER
165	121.2	GRAY BRITTLE MATERIAL, GRAY ROOF CAULK.	Y	CHRYSTILE	5%	SDH	95% NON FIBROUS MATTER
167	125.1	BROWN FIBROUS MATERIAL, INSULATION.	N			JAW	94% FIBROUS GLASS 6% NON FIBROUS MATTER
168	125.2	BROWN FIBROUS MATERIAL, INSULATION.	N			JAW	90% FIBROUS GLASS 10% NON FIBROUS MATTER
169	125.3	BROWN FIBROUS MATERIAL, INSULATION.	N			JAW	92% FIBROUS GLASS 8% NON FIBROUS MATTER

COMMENTS:

DATE:

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BULK SAMPLE ANALYTICAL REPORT

CLIENT: MERIT LABORATORIES, INC.

DATE SUBMITTED: 1/18/07

DATE ANALYZED: 2/19/07

NVLAP ACCREDITATION #101510-0
FIBERTEC PROJECT NO.: 23226-1S

PROJECT:

 4965 - MAIN PLANT, MERIT PROJECT #30404, SUPPLEMENTAL REPORT,
 4 SUBMITTED BULK SAMPLES, 5 SAMPLE LAYERS ANALYZED.

CLIENT P.O.#: N/A

C.O.C. NO.: 035911 - 035925

Bulk samples are analyzed utilizing the USEPA Test Method EPA/600/R-93/116. The constituent percent reported represents an estimate of the area percent of the component. The test report relates only to items tested. This report is not intended to be used as a product endorsement by NVLAP or any agency of the U.S. Government. Fine fibers like those in floor tile may not be discernible by this method. This report shall not be reproduced, except in full, without written approval of the laboratory.

*No asbestos present indicates less than or equal to 1% asbestos present. Test items were received in an acceptable condition.

FIBERTEC SAMPLE NO.	CLIENT ID. NO.	DESCRIPTION/ LOCATION	ASBESTOS		PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS- CONTAINING PORTION
			PRESENT Y/N	ASBESTOS TYPE			
113	101.2	BLACK ASPHALTIC MATERIAL, 12" X 12" LIGHT GREEN FLOOR TILE MASTIC.	N			AJK	98% NON FIBROUS MATTER 2% CELLULOSE
114	101.3	DARK BROWN FIBROUS ASPHALTIC MATERIAL, 12" X 12" LIGHT GREEN FLOOR TILE MASTIC, LAYER 1 OF 2.	N			AJK	65% CELLULOSE 35% NON-FIBROUS MATTER
114	101.3	BLACK ASPHALTIC MATERIAL, 12" X 12" LIGHT GREEN FLOOR TILE MASTIC, LAYER 2 OF 2.	N			AJK	99% NON FIBROUS MATTER 1% CELLULOSE
159	117.2	YELLOW ASPHALTIC MATERIAL, YELLOW ROCK PATTERN LINOLEUM FLOORING MASTIC.	N			AJK	99% NON FIBROUS MATTER 1% CELLULOSE
160	117.3	YELLOW ASPHALTIC MATERIAL, YELLOW ROCK PATTERN LINOLEUM FLOORING MASTIC.	N			AJK	97% NON FIBROUS MATTER 3% CELLULOSE

COMMENTS:
DATE:

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**APPENDIX B
PICTURES OF ASBESTOS-CONTAINING MATERIALS
PER GENERAL MOTORS**

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ACM Light Fixtures Located on the Roof



ACM Paint on Windows Located in Main Plant and Oil Storage

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Panels with Asbestos Paper, Transite Backing and Asbestos Block



As Shown Above, No Insulation on Handle = Asbestos Inside Unit

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APPENDIX B

FEA survey analytical results

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Analytical Laboratory Report

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Report ID: S30028.01(01)

Generated on 12/21/2006

Report to

Attention: Bill Moore/Jim Palmieri
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057

Email: jep12@aol.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): S30028.01-S30028.08

Project: Saginaw Malleable Iron

Collected Date: 12/14/2006

Submitted Date/Time: 12/15/2006 14:00

Sampled by: D. Seamans/J. Pal

P.O. #:

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Arcadis
Jun 22, 2009 16:22

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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Violetta F. Murshak
Laboratory Director



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Sample Summary (8 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S30028.01	ROF-MFG-OR-004	Solid	12/14/2006 15:30
S30028.02	ROF-MFG-OR-005	Solid	12/14/2006 15:45
S30028.03	ROF-MFG-OR-006	Solid	12/14/2006 15:50
S30028.04	ROF-MFG-OR-007	Solid	12/14/2006 15:55
S30028.05	WAC-MFG-05-008	Wipe	12/14/2006 16:00
S30028.06	DUS-MFG-05-009	Solid	12/14/2006 16:35
S30028.07	DUS-MFG-04-010	Solid	12/14/2006 16:40
S30028.08	WAL-MFG-04-011	Wipe	12/14/2006 16:45

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Lab Sample ID: S30028.01
 Sample Tag: ROF-MFG-OR-004
 Collected Date/Time: 12/14/2006 15:30
 Matrix: Solid
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.6	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
Mercury Digestion	Completed			7471A	12/20/06 13:00	JRT		
Metal Digestion	Completed			3050B	12/19/06 12:00	PER		
Metals								
Arsenic	0.12	mg/kg	0.10	6020	12/19/06 15:38	PER	7440-38-2	
Barium	Not detected	mg/kg	1.0	6020	12/19/06 15:38	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	12/19/06 15:38	PER	7440-43-9	
Chromium	Not detected	mg/kg	1.0	6020	12/19/06 15:38	PER	7440-47-3	
Lead	1.8	mg/kg	1.0	6020	12/19/06 15:38	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	12/20/06 14:53	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	12/19/06 15:38	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	12/19/06 15:38	PER	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	11096-82-5	

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Analytical Laboratory Report

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Lab Sample ID: S30028.02
 Sample Tag: ROF-MFG-OR-005
 Collected Date/Time: 12/14/2006 15:45
 Matrix: Solid
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.6	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
Mercury Digestion	Completed			7471A	12/20/06 13:00	JRT		
Metal Digestion	Completed			3050B	12/19/06 12:00	PER		
Metals								
Arsenic	0.68	mg/kg	0.10	6020	12/19/06 15:44	PER	7440-38-2	
Barium	9.6	mg/kg	1.0	6020	12/19/06 15:44	PER	7440-39-3	
Cadmium	0.28	mg/kg	0.20	6020	12/19/06 15:44	PER	7440-43-9	
Chromium	5.2	mg/kg	1.0	6020	12/19/06 15:44	PER	7440-47-3	
Lead	56.8	mg/kg	1.0	6020	12/19/06 15:44	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	12/20/06 14:55	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	12/19/06 15:44	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	12/19/06 15:44	PER	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	11096-82-5	

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Lab Sample ID: S30028.03
 Sample Tag: ROF-MFG-OR-006
 Collected Date/Time: 12/14/2006 15:50
 Matrix: Solid
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.6	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
Mercury Digestion	Completed			7471A	12/20/06 13:00	JRT		
Metal Digestion	Completed			3050B	12/19/06 12:00	PER		
Metals								
Arsenic	2.06	mg/kg	0.10	6020	12/19/06 15:47	PER	7440-38-2	
Barium	27.0	mg/kg	1.0	6020	12/19/06 15:47	PER	7440-39-3	
Cadmium	1.01	mg/kg	0.20	6020	12/19/06 15:47	PER	7440-43-9	
Chromium	83.8	mg/kg	1.0	6020	12/19/06 15:47	PER	7440-47-3	
Lead	199	mg/kg	1.0	6020	12/19/06 15:47	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	12/20/06 14:57	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	12/19/06 15:47	PER	7782-49-2	
Silver	0.26	mg/kg	0.20	6020	12/19/06 15:47	PER	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	11096-82-5	

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Lab Sample ID: S30028.04
 Sample Tag: ROF-MFG-OR-007
 Collected Date/Time: 12/14/2006 15:55
 Matrix: Solid
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.6	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
Mercury Digestion	Completed			7471A	12/20/06 13:00	JRT		
Metal Digestion	Completed			3050B	12/19/06 12:00	PER		
Metals								
Arsenic	1.73	mg/kg	0.10	6020	12/19/06 15:50	PER	7440-38-2	
Barium	6.0	mg/kg	1.0	6020	12/19/06 15:50	PER	7440-39-3	
Cadmium	1.58	mg/kg	0.20	6020	12/19/06 15:50	PER	7440-43-9	
Chromium	10.2	mg/kg	1.0	6020	12/19/06 15:50	PER	7440-47-3	
Lead	39.1	mg/kg	1.0	6020	12/19/06 15:50	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	12/20/06 14:59	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	12/19/06 15:50	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	12/19/06 15:50	PER	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	11096-82-5	

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Lab Sample ID: S30028.05
 Sample Tag: WAC-MFG-05-008
 Collected Date/Time: 12/14/2006 16:00
 Matrix: Wipe
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.6	IR

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

Extraction / Prep.

Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
-----------------	-----------	--	--	-------	----------------	-----	--	--

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	11096-82-5	

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Analytical Laboratory Report

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Lab Sample ID: S30028.06
 Sample Tag: DUS-MFG-05-009
 Collected Date/Time: 12/14/2006 16:35
 Matrix: Solid
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.6	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
Mercury Digestion	Completed			7471A	12/20/06 13:00	JRT		
Metal Digestion	Completed			3050B	12/19/06 12:00	PER		
Metals								
Arsenic	10.0	mg/kg	0.10	6020	12/19/06 15:54	PER	7440-38-2	
Barium	50.2	mg/kg	1.0	6020	12/19/06 15:54	PER	7440-39-3	
Cadmium	17.7	mg/kg	0.20	6020	12/19/06 15:54	PER	7440-43-9	
Chromium	30.7	mg/kg	1.0	6020	12/19/06 15:54	PER	7440-47-3	
Lead	1,450	mg/kg	1.0	6020	12/19/06 15:54	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	12/20/06 15:01	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	12/19/06 15:54	PER	7782-49-2	
Silver	2.96	mg/kg	0.20	6020	12/19/06 15:54	PER	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30028.07
 Sample Tag: DUS-MFG-04-010
 Collected Date/Time: 12/14/2006 16:40
 Matrix: Solid
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.6	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
Mercury Digestion	Completed			7471A	12/20/06 13:00	JRT		
Metal Digestion	Completed			3050B	12/19/06 12:00	PER		
Metals								
Arsenic	5.23	mg/kg	0.10	6020	12/19/06 16:03	PER	7440-38-2	
Barium	54.0	mg/kg	1.0	6020	12/19/06 16:03	PER	7440-39-3	
Cadmium	8.84	mg/kg	0.20	6020	12/19/06 16:03	PER	7440-43-9	
Chromium	58.6	mg/kg	1.0	6020	12/19/06 16:03	PER	7440-47-3	
Lead	336	mg/kg	1.0	6020	12/19/06 16:03	PER	7439-92-1	
Mercury	0.053	mg/kg	0.050	7471A	12/20/06 15:02	JRT	7439-97-6	
Selenium	0.67	mg/kg	0.50	6020	12/19/06 16:03	PER	7782-49-2	
Silver	0.57	mg/kg	0.20	6020	12/19/06 16:03	PER	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30028.08
 Sample Tag: WAL-MFG-04-011
 Collected Date/Time: 12/14/2006 16:45
 Matrix: Wipe
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.6	IR

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

Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
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Organics - PCBs/Pesticides**PCB Swab List**

PCB-1016	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	11096-82-5	

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

C.O.C. PAGE # 1 OF 1

035732

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: *Bill Moore / Jim Palmieri*
 COMPANY: *O'Brien & Gere*
 ADDRESS: *33419 W. 14 Mile Rd. Ste. 150*
 CITY: *FARMINGTON HILLS* STATE: *MI* ZIP CODE: *48331*
 PHONE NO.: _____ FAX NO.: *248 661-4057* P.O. NO.: _____
 E-MAIL ADDRESS: *moore.wm@obg.com / jep12@obg.com* QUOTE NO.: _____

CONTACT NAME: *Ken Gembel* SAME
 COMPANY: *General Nutres PCC Central*
 ADDRESS: *2000 CenterPoint Parkway MC 483-520-190*
 CITY: *PONTIAC* STATE: *MI* ZIP CODE: *48341*
 PHONE NO.: _____ FAX NO.: _____ P.O. NO.: _____

PROJECT NO./NAME: *SAGINAW MALLEABLE / KON* SAMPLER(S) - PLEASE PRINT/SIGN NAME: *V. SCAVARS / D. PALMIERI*
 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	MATERIAL	NO. OF BOTTLES	NO.	HCL	HNO ₃	H ₂ SO ₄	H ₂ O ₂	METH	OTHER
	DATE	TIME										
30028.01	12-14-06	15:30	ROF - MFG - OR - 004		1							✓ ✓
.02	12-14-06	15:45	ROF - MFG - OR - 005		1							✓ ✓
.03	12-14-06	15:50	ROF - MFG - OR - 006		1							✓ ✓
.04	12-14-06	15:55	ROF - MFG - OR - 007		1							✓ ✓
.05	12-14-06	16:00	WAL - MFG - 05 - 008		1							✓ ✓
.06	12-14-06	16:35	DUS - MFG - 05 - 009		1							✓ ✓
.07	12-14-06	16:40	DUS - MFG - 04 - 010		1							✓ ✓
.08	12-14-06	16:45	WAL - MFG - 04 - 011		1							✓ ✓

RELINQUISHED BY: *David Scavars* DATE: *12-15-06* TIME: *12:35*
 RECEIVED BY: *John Messinger* DATE: *12-15-06* TIME: *12:35*
 RELINQUISHED BY: *Barbara Richards* DATE: *12-15-06* TIME: *14:00*
 RECEIVED BY: _____ DATE: _____ TIME: _____
 SEAL NO.: _____ SEAL INTACT: YES NO INITIALS: _____ NOTES: _____ TEMP. ON ARRIVAL: *4.6*



Analytical Laboratory Report

Supplemental Report

Arcadis

Jun 22, 2009 16:22

Report ID: S30028.01(02)
Generated on 12/27/2006
Replaces report S30028.01(01) generated on 12/21/2006

Report to

Attention: Bill Moore/Jim Palmieri
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057
Email: jep12@aol.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): S30028.01-S30028.08
Project: Saginaw Malleable Iron
Collected Date: 12/14/2006
Submitted Date/Time: 12/15/2006 14:00
Sampled by: D. Seamans/J. Pal
P.O. #:

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Arcadis
Jun 22, 2009 16:22

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.

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Sample Summary (8 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S30028.01	ROF-MFG-OR-004	Solid	12/14/2006 15:30
S30028.02	ROF-MFG-OR-005	Solid	12/14/2006 15:45
S30028.03	ROF-MFG-OR-006	Solid	12/14/2006 15:50
S30028.04	ROF-MFG-OR-007	Solid	12/14/2006 15:55
S30028.05	WAC-MFG-05-008	Wipe	12/14/2006 16:00
S30028.06	DUS-MFG-05-009	Solid	12/14/2006 16:35
S30028.07	DUS-MFG-04-010	Solid	12/14/2006 16:40
S30028.08	WAL-MFG-04-011	Wipe	12/14/2006 16:45

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Analytical Laboratory Report

Supplemental Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30028.01
 Sample Tag: ROF-MFG-OR-004
 Collected Date/Time: 12/14/2006 15:30
 Matrix: Solid
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.6	IR

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

Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
Mercury Digestion	Completed			7471A	12/20/06 13:00	JRT		
Metal Digestion	Completed			3050B	12/19/06 12:00	PER		
Metal Digestion (Replicate 01)	Completed			3050B	12/26/06 12:00	PER		

Metals

Arsenic	0.12	mg/kg	0.10	6020	12/19/06 15:38	PER	7440-38-2	
Barium	Not detected	mg/kg	1.0	6020	12/19/06 15:38	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	12/19/06 15:38	PER	7440-43-9	
Chromium	Not detected	mg/kg	1.0	6020	12/19/06 15:38	PER	7440-47-3	
Copper	4.7	mg/kg	1.0	6020	12/27/06 11:59	PER	7440-50-8	
Lead	1.8	mg/kg	1.0	6020	12/19/06 15:38	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	12/20/06 14:53	JRT	7439-97-6	
Nickel	1.78	mg/kg	0.50	6020	12/27/06 11:59	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.50	6020	12/19/06 15:38	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	12/19/06 15:38	PER	7440-22-4	
Zinc	41.9	mg/kg	1.0	6020	12/27/06 11:59	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	12/20/06 15:47	JANB	11096-82-5	

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Analytical Laboratory Report

Supplemental Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30028.02
 Sample Tag: ROF-MFG-OR-005
 Collected Date/Time: 12/14/2006 15:45
 Matrix: Solid
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.6	IR

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

Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
Mercury Digestion	Completed			7471A	12/20/06 13:00	JRT		
Metal Digestion	Completed			3050B	12/19/06 12:00	PER		
Metal Digestion (Replicate 01)	Completed			3050B	12/26/06 12:00	PER		

Metals

Arsenic	0.68	mg/kg	0.10	6020	12/19/06 15:44	PER	7440-38-2	
Barium	9.6	mg/kg	1.0	6020	12/19/06 15:44	PER	7440-39-3	
Cadmium	0.28	mg/kg	0.20	6020	12/19/06 15:44	PER	7440-43-9	
Chromium	5.2	mg/kg	1.0	6020	12/19/06 15:44	PER	7440-47-3	
Copper	26.2	mg/kg	1.0	6020	12/27/06 12:02	PER	7440-50-8	
Lead	56.8	mg/kg	1.0	6020	12/19/06 15:44	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	12/20/06 14:55	JRT	7439-97-6	
Nickel	3.07	mg/kg	0.50	6020	12/27/06 12:02	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.50	6020	12/19/06 15:44	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	12/19/06 15:44	PER	7440-22-4	
Zinc	134	mg/kg	1.0	6020	12/27/06 12:02	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	12/20/06 15:58	JANB	11096-82-5	

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Analytical Laboratory Report

Supplemental Report

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Jun 22, 2009 16:22

Lab Sample ID: S30028.03
 Sample Tag: ROF-MFG-OR-006
 Collected Date/Time: 12/14/2006 15:50
 Matrix: Solid
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.6	IR

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

Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
Mercury Digestion	Completed			7471A	12/20/06 13:00	JRT		
Metal Digestion	Completed			3050B	12/19/06 12:00	PER		
Metal Digestion (Replicate 01)	Completed			3050B	12/26/06 12:00	PER		

Metals

Arsenic	2.06	mg/kg	0.10	6020	12/19/06 15:47	PER	7440-38-2	
Barium	27.0	mg/kg	1.0	6020	12/19/06 15:47	PER	7440-39-3	
Cadmium	1.01	mg/kg	0.20	6020	12/19/06 15:47	PER	7440-43-9	
Chromium	83.8	mg/kg	1.0	6020	12/19/06 15:47	PER	7440-47-3	
Copper	154	mg/kg	1.0	6020	12/27/06 12:08	PER	7440-50-8	
Lead	199	mg/kg	1.0	6020	12/19/06 15:47	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	12/20/06 14:57	JRT	7439-97-6	
Nickel	29.4	mg/kg	0.50	6020	12/27/06 12:08	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.50	6020	12/19/06 15:47	PER	7782-49-2	
Silver	0.26	mg/kg	0.20	6020	12/19/06 15:47	PER	7440-22-4	
Zinc	730	mg/kg	1.0	6020	12/27/06 12:08	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	12/20/06 11:24	JANB	11096-82-5	

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Analytical Laboratory Report

Supplemental Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30028.04
 Sample Tag: ROF-MFG-OR-007
 Collected Date/Time: 12/14/2006 15:55
 Matrix: Solid
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.6	IR

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

Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
Mercury Digestion	Completed			7471A	12/20/06 13:00	JRT		
Metal Digestion	Completed			3050B	12/19/06 12:00	PER		
Metal Digestion (Replicate 01)	Completed			3050B	12/26/06 12:00	PER		

Metals

Arsenic	1.73	mg/kg	0.10	6020	12/19/06 15:50	PER	7440-38-2	
Barium	6.0	mg/kg	1.0	6020	12/19/06 15:50	PER	7440-39-3	
Cadmium	1.58	mg/kg	0.20	6020	12/19/06 15:50	PER	7440-43-9	
Chromium	10.2	mg/kg	1.0	6020	12/19/06 15:50	PER	7440-47-3	
Copper	197	mg/kg	1.0	6020	12/27/06 12:10	PER	7440-50-8	
Lead	39.1	mg/kg	1.0	6020	12/19/06 15:50	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	12/20/06 14:59	JRT	7439-97-6	
Nickel	44.6	mg/kg	0.50	6020	12/27/06 12:10	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.50	6020	12/19/06 15:50	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	12/19/06 15:50	PER	7440-22-4	
Zinc	2,790	mg/kg	1.0	6020	12/27/06 12:10	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	12/20/06 11:35	JANB	11096-82-5	

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Supplemental Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30028.05
 Sample Tag: WAC-MFG-05-008
 Collected Date/Time: 12/14/2006 16:00
 Matrix: Wipe
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.6	IR

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

Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	12/21/06 11:59	JANB	11096-82-5	

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 Jun 22, 2009 16:22



Analytical Laboratory Report

Supplemental Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30028.06
 Sample Tag: DUS-MFG-05-009
 Collected Date/Time: 12/14/2006 16:35
 Matrix: Solid
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.6	IR

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

Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
Mercury Digestion	Completed			7471A	12/20/06 13:00	JRT		
Metal Digestion	Completed			3050B	12/19/06 12:00	PER		
Metal Digestion (Replicate 01)	Completed			3050B	12/26/06 12:00	PER		

Metals

Arsenic	10.0	mg/kg	0.10	6020	12/19/06 15:54	PER	7440-38-2	
Barium	50.2	mg/kg	1.0	6020	12/19/06 15:54	PER	7440-39-3	
Cadmium	17.7	mg/kg	0.20	6020	12/19/06 15:54	PER	7440-43-9	
Chromium	30.7	mg/kg	1.0	6020	12/19/06 15:54	PER	7440-47-3	
Copper	489	mg/kg	1.0	6020	12/27/06 12:11	PER	7440-50-8	
Lead	1,450	mg/kg	1.0	6020	12/19/06 15:54	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	12/20/06 15:01	JRT	7439-97-6	
Nickel	56.6	mg/kg	0.50	6020	12/27/06 12:11	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.50	6020	12/19/06 15:54	PER	7782-49-2	
Silver	2.96	mg/kg	0.20	6020	12/19/06 15:54	PER	7440-22-4	
Zinc	39,400	mg/kg	1.0	6020	12/27/06 12:11	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	12/20/06 10:51	JANB	11096-82-5	

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Analytical Laboratory Report

Supplemental Report

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Jun 22, 2009 16:22

Lab Sample ID: S30028.07
 Sample Tag: DUS-MFG-04-010
 Collected Date/Time: 12/14/2006 16:40
 Matrix: Solid
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.6	IR

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

Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
Mercury Digestion	Completed			7471A	12/20/06 13:00	JRT		
Metal Digestion	Completed			3050B	12/19/06 12:00	PER		
Metal Digestion (Replicate 01)	Completed			3050B	12/26/06 12:00	PER		

Metals

Arsenic	5.23	mg/kg	0.10	6020	12/19/06 16:03	PER	7440-38-2	
Barium	54.0	mg/kg	1.0	6020	12/19/06 16:03	PER	7440-39-3	
Cadmium	8.84	mg/kg	0.20	6020	12/19/06 16:03	PER	7440-43-9	
Chromium	58.6	mg/kg	1.0	6020	12/19/06 16:03	PER	7440-47-3	
Copper	294	mg/kg	1.0	6020	12/27/06 12:13	PER	7440-50-8	
Lead	336	mg/kg	1.0	6020	12/19/06 16:03	PER	7439-92-1	
Mercury	0.053	mg/kg	0.050	7471A	12/20/06 15:02	JRT	7439-97-6	
Nickel	62.9	mg/kg	0.50	6020	12/27/06 12:13	PER	7440-02-0	
Selenium	0.67	mg/kg	0.50	6020	12/19/06 16:03	PER	7782-49-2	
Silver	0.57	mg/kg	0.20	6020	12/19/06 16:03	PER	7440-22-4	
Zinc	6,430	mg/kg	1.0	6020	12/27/06 12:13	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	12/20/06 11:02	JANB	11096-82-5	

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Analytical Laboratory Report

Supplemental Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30028.08
 Sample Tag: WAL-MFG-04-011
 Collected Date/Time: 12/14/2006 16:45
 Matrix: Wipe
 COC Reference: 035732

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.6	IR

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

Extraction, PCB	Completed			3550B	12/18/06 16:40	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	12/19/06 12:40	JANB	11096-82-5	

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 www.meritlabs.com

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C.O.C. PAGE # 1 OF 1

035732

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Bill Moore / Jim Palmieri
 COMPANY: O'Brien & Gere
 ADDRESS: 33419 W. 14 Mile Rd. Ste. 150
 CITY: FARMINGTON HILLS STATE: MI ZIP CODE: 48331
 PHONE NO.: _____ FAX NO.: 248 661-4057 P.O. NO.: _____
 E-MAIL ADDRESS: moore.wm@obg.com / jep12@obg.com QUOTE NO.: _____

CONTACT NAME: Ken Gemel SAME
 COMPANY: General Nutres PCC Central
 ADDRESS: 2000 CenterPoint Parkway MC 483-520-190
 CITY: PONTIAC STATE: MI ZIP CODE: 48341-3147
 PHONE NO.: _____ FAX NO.: _____ P.O. NO.: _____

Jun 22, 2009 16:22

PROJECT NO./NAME: SAGINAW MALLEABLE / KON SAMPLER(S) - PLEASE PRINT/SIGN NAME: V. SCAVARS / J. PALMIERI
 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	MATERIAL	NO. OF BOTTLES	NO.	HCL	HNO ₃	H ₂ SO ₄	H ₂ O ₂	METH	OTHER
	DATE	TIME										
30028.01	12-14-06	15:30	ROF - MFG - OR - 004		1							✓ ✓
.02	12-14-06	15:45	ROF - MFG - OR - 005		1							✓ ✓
.03	12-14-06	15:50	ROF - MFG - OR - 006		1							✓ ✓
.04	12-14-06	15:55	ROF - MFG - OR - 007		1							✓ ✓
.05	12-14-06	16:00	WAL - MFG - 05 - 008		1							✓ ✓
.06	12-14-06	16:35	DUS - MFG - 05 - 009		1							✓ ✓
.07	12-14-06	16:40	DUS - MFG - 04 - 010		1							✓ ✓
.08	12-14-06	16:45	WAL - MFG - 04 - 011		1							✓ ✓

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RELINQUISHED BY: <u>David Scavars</u> SIGNATURE/ORGANIZATION: <u>Merit</u>	DATE: <u>12-15-06</u> TIME: <u>12:35</u>	RELINQUISHED BY: <u>[Signature]</u> SIGNATURE/ORGANIZATION: <u>Merit</u>	DATE: <u>12-15-06</u> TIME: <u>14:00</u>
RECEIVED BY: <u>[Signature]</u> SIGNATURE/ORGANIZATION: <u>Merit</u>	DATE: <u>12-15-06</u> TIME: <u>12:35</u>	RECEIVED BY: <u>Bartina Richards</u> SIGNATURE/ORGANIZATION: <u>[Organization]</u>	DATE: <u>12-15-06</u> TIME: <u>14:00</u>
RELINQUISHED BY: _____ SIGNATURE/ORGANIZATION: _____	DATE: _____ TIME: _____	SEAL NO. _____ SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	INITIALS: _____ NOTES: _____ TEMP. ON ARRIVAL: <u>4.6</u>
RECEIVED BY: _____ SIGNATURE/ORGANIZATION: _____	DATE: _____ TIME: _____	SEAL NO. _____ SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	INITIALS: _____



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Report ID: S30206.01(01)
Generated on 01/10/2007

Report to
Attention: Bill Moore/Jim Palmieri
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057
Email: jep12@aol.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): S30206.01-S30206.12
Project: Saginaw Malleable Iron
Collected Date: 01/02/2007
Submitted Date/Time: 01/03/2007 11:55
Sampled by: D. Seamans/J. Pal
P.O. #: GMS07385

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Jun 22, 2009 16:22

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.

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Sample Summary (12 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S30206.01	ROF-MFG-OR-012	Solid	01/02/2007 13:05
S30206.02	ROF-MFG-OR-013	Solid	01/02/2007 13:10
S30206.03	ROF-CMG-OR-014	Solid	01/02/2007 13:30
S30206.04	ROF-CMG-OR-015	Solid	01/02/2007 13:50
S30206.05	ROF-CMG-OR-016	Solid	01/02/2007 14:15
S30206.06	ROF-CMG-OR-017	Solid	01/02/2007 14:40
S30206.07	ROF-CMG-OR-018	Solid	01/02/2007 15:05
S30206.08	ROF-CMG-OR-019	Solid	01/02/2007 15:20
S30206.09	ROF-CMG-OR-020	Solid	01/02/2007 15:25
S30206.10	ROF-CMG-OR-021	Solid	01/02/2007 15:45
S30206.11	ROF-CMG-OR-022	Solid	01/02/2007 16:00
S30206.12	ROF-CMG-OR-023	Solid	01/02/2007 16:15

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30206.01
 Sample Tag: ROF-MFG-OR-012
 Collected Date/Time: 01/02/2007 13:05
 Matrix: Solid
 COC Reference: 035734

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/05/07 11:10	JAC		
Mercury Digestion	Completed			7471A	01/04/07 15:00	JRT		
Metal Digestion	Completed			3050B	01/09/07 12:00	SLS		

Metals

Arsenic	1.29	mg/kg	0.10	6020	01/09/07 15:31	SLS	7440-38-2	
Barium	19.5	mg/kg	1.0	6020	01/09/07 15:31	SLS	7440-39-3	
Cadmium	0.83	mg/kg	0.20	6020	01/09/07 15:31	SLS	7440-43-9	
Chromium	11.9	mg/kg	2.0	6020	01/09/07 15:31	SLS	7440-47-3	
Copper	15.9	mg/kg	1.0	6020	01/09/07 15:31	SLS	7440-50-8	
Lead	33.9	mg/kg	1.0	6020	01/09/07 15:31	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/05/07 13:37	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/09/07 15:31	SLS	7782-49-2	
Silver	0.19	mg/kg	0.10	6020	01/09/07 15:31	SLS	7440-22-4	
Zinc	691	mg/kg	1.0	6020	01/09/07 15:31	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	3,000	8082	01/09/07 16:38	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3,000	8082	01/09/07 16:38	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3,000	8082	01/09/07 16:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3,000	8082	01/09/07 16:38	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3,000	8082	01/09/07 16:38	JANB	12672-29-6	
PCB-1254	19,000	ug/kg	3,000	8082	01/09/07 16:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3,000	8082	01/09/07 16:38	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30206.02
 Sample Tag: ROF-MFG-OR-013
 Collected Date/Time: 01/02/2007 13:10
 Matrix: Solid
 COC Reference: 035734

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/05/07 11:10	JAC		
Mercury Digestion	Completed			7471A	01/04/07 15:00	JRT		
Metal Digestion	Completed			3050B	01/09/07 12:00	SLS		

Metals

Arsenic	2.31	mg/kg	0.10	6020	01/09/07 15:34	SLS	7440-38-2	
Barium	37.8	mg/kg	1.0	6020	01/09/07 15:34	SLS	7440-39-3	
Cadmium	0.60	mg/kg	0.20	6020	01/09/07 15:34	SLS	7440-43-9	
Chromium	14.0	mg/kg	2.0	6020	01/09/07 15:34	SLS	7440-47-3	
Copper	31.1	mg/kg	1.0	6020	01/09/07 15:34	SLS	7440-50-8	
Lead	43.7	mg/kg	1.0	6020	01/09/07 15:34	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/05/07 13:38	JRT	7439-97-6	
Selenium	0.42	mg/kg	0.20	6020	01/09/07 15:34	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/09/07 15:34	SLS	7440-22-4	
Zinc	165	mg/kg	1.0	6020	01/09/07 15:34	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/09/07 11:32	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/09/07 11:32	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/09/07 11:32	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/09/07 11:32	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/09/07 11:32	JANB	12672-29-6	
PCB-1254	2,000	ug/kg	1,000	8082	01/09/07 11:32	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/09/07 11:32	JANB	11096-82-5	

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Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30206.03
 Sample Tag: ROF-CMG-OR-014
 Collected Date/Time: 01/02/2007 13:30
 Matrix: Solid
 COC Reference: 035734

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	01/05/07 11:10	JAC		
Mercury Digestion	Completed			7471A	01/04/07 15:00	JRT		
Metal Digestion	Completed			3050B	01/09/07 12:00	SLS		
Metals								
Arsenic	0.44	mg/kg	0.10	6020	01/09/07 15:37	SLS	7440-38-2	
Barium	5.4	mg/kg	1.0	6020	01/09/07 15:37	SLS	7440-39-3	
Cadmium	0.29	mg/kg	0.20	6020	01/09/07 15:37	SLS	7440-43-9	
Chromium	8.1	mg/kg	2.0	6020	01/09/07 15:37	SLS	7440-47-3	
Copper	19.2	mg/kg	1.0	6020	01/09/07 15:37	SLS	7440-50-8	
Lead	16.2	mg/kg	1.0	6020	01/09/07 15:37	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/05/07 13:40	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/09/07 15:37	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/09/07 15:37	SLS	7440-22-4	
Zinc	78.7	mg/kg	1.0	6020	01/09/07 15:37	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/09/07 17:01	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/09/07 17:01	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/09/07 17:01	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/09/07 17:01	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/09/07 17:01	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/09/07 17:01	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/09/07 17:01	JANB	11096-82-5	

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



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30206.04
 Sample Tag: ROF-CMG-OR-015
 Collected Date/Time: 01/02/2007 13:50
 Matrix: Solid
 COC Reference: 035734

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	01/05/07 11:10	JAC		
Mercury Digestion	Completed			7471A	01/04/07 15:00	JRT		
Metal Digestion	Completed			3050B	01/09/07 12:00	SLS		
Metals								
Arsenic	7.89	mg/kg	0.10	6020	01/09/07 15:41	SLS	7440-38-2	
Barium	10.7	mg/kg	1.0	6020	01/09/07 15:41	SLS	7440-39-3	
Cadmium	0.27	mg/kg	0.20	6020	01/09/07 15:41	SLS	7440-43-9	
Chromium	68.4	mg/kg	2.0	6020	01/09/07 15:41	SLS	7440-47-3	
Copper	73.4	mg/kg	1.0	6020	01/09/07 15:41	SLS	7440-50-8	
Lead	83.2	mg/kg	1.0	6020	01/09/07 15:41	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/05/07 13:51	JRT	7439-97-6	
Selenium	0.24	mg/kg	0.20	6020	01/09/07 15:41	SLS	7782-49-2	
Silver	0.17	mg/kg	0.10	6020	01/09/07 15:41	SLS	7440-22-4	
Zinc	68.1	mg/kg	1.0	6020	01/09/07 15:41	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/10/07 10:13	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/10/07 10:13	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/10/07 10:13	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/10/07 10:13	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/10/07 10:13	JANB	12672-29-6	
PCB-1254	2,800	ug/kg	1,000	8082	01/10/07 10:13	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/10/07 10:13	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30206.05
 Sample Tag: ROF-CMG-OR-016
 Collected Date/Time: 01/02/2007 14:15
 Matrix: Solid
 COC Reference: 035734

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/05/07 11:10	JAC		
Mercury Digestion	Completed			7471A	01/04/07 15:00	JRT		
Metal Digestion	Completed			3050B	01/09/07 12:00	SLS		

Metals

Arsenic	0.18	mg/kg	0.10	6020	01/09/07 16:00	SLS	7440-38-2	
Barium	1.8	mg/kg	1.0	6020	01/09/07 16:00	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/09/07 16:00	SLS	7440-43-9	
Chromium	Not detected	mg/kg	2.0	6020	01/09/07 16:00	SLS	7440-47-3	
Copper	4.1	mg/kg	1.0	6020	01/09/07 16:00	SLS	7440-50-8	
Lead	1.2	mg/kg	1.0	6020	01/09/07 16:00	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/05/07 13:53	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/09/07 16:00	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/09/07 16:00	SLS	7440-22-4	
Zinc	80.0	mg/kg	1.0	6020	01/09/07 16:00	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/10/07 10:24	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/10/07 10:24	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/10/07 10:24	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/10/07 10:24	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/10/07 10:24	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/10/07 10:24	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/10/07 10:24	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30206.06
 Sample Tag: ROF-CMG-OR-017
 Collected Date/Time: 01/02/2007 14:40
 Matrix: Solid
 COC Reference: 035734

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	01/05/07 11:10	JAC		
Mercury Digestion	Completed			7471A	01/04/07 15:00	JRT		
Metal Digestion	Completed			3050B	01/09/07 12:00	SLS		
Metals								
Arsenic	0.93	mg/kg	0.10	6020	01/09/07 16:03	SLS	7440-38-2	
Barium	5.0	mg/kg	1.0	6020	01/09/07 16:03	SLS	7440-39-3	
Cadmium	0.21	mg/kg	0.20	6020	01/09/07 16:03	SLS	7440-43-9	
Chromium	57.6	mg/kg	2.0	6020	01/09/07 16:03	SLS	7440-47-3	
Copper	73.1	mg/kg	1.0	6020	01/09/07 16:03	SLS	7440-50-8	
Lead	7.9	mg/kg	1.0	6020	01/09/07 16:03	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/05/07 13:55	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/09/07 16:03	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/09/07 16:03	SLS	7440-22-4	
Zinc	100	mg/kg	1.0	6020	01/09/07 16:03	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/10/07 10:35	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/10/07 10:35	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/10/07 10:35	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/10/07 10:35	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/10/07 10:35	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/10/07 10:35	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/10/07 10:35	JANB	11096-82-5	

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Lab Sample ID: S30206.07
 Sample Tag: ROF-CMG-OR-018
 Collected Date/Time: 01/02/2007 15:05
 Matrix: Solid
 COC Reference: 035734

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/05/07 11:10	JAC		
Mercury Digestion	Completed			7471A	01/04/07 15:00	JRT		
Metal Digestion	Completed			3050B	01/09/07 12:00	SLS		

Metals

Arsenic	0.28	mg/kg	0.10	6020	01/09/07 16:07	SLS	7440-38-2	
Barium	2.4	mg/kg	1.0	6020	01/09/07 16:07	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/09/07 16:07	SLS	7440-43-9	
Chromium	107	mg/kg	2.0	6020	01/09/07 16:07	SLS	7440-47-3	
Copper	5.3	mg/kg	1.0	6020	01/09/07 16:07	SLS	7440-50-8	
Lead	6.5	mg/kg	1.0	6020	01/09/07 16:07	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/05/07 13:57	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/09/07 16:07	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/09/07 16:07	SLS	7440-22-4	
Zinc	23.7	mg/kg	1.0	6020	01/09/07 16:07	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/10/07 10:47	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/10/07 10:47	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/10/07 10:47	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/10/07 10:47	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/10/07 10:47	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/10/07 10:47	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/10/07 10:47	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30206.08
 Sample Tag: ROF-CMG-OR-019
 Collected Date/Time: 01/02/2007 15:20
 Matrix: Solid
 COC Reference: 035734

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	01/05/07 11:10	JAC		
Mercury Digestion	Completed			7471A	01/04/07 15:00	JRT		
Metal Digestion	Completed			3050B	01/09/07 12:00	SLS		
Metals								
Arsenic	0.37	mg/kg	0.10	6020	01/09/07 16:10	SLS	7440-38-2	
Barium	31.7	mg/kg	1.0	6020	01/09/07 16:10	SLS	7440-39-3	
Cadmium	2.31	mg/kg	0.20	6020	01/09/07 16:10	SLS	7440-43-9	
Chromium	3.2	mg/kg	2.0	6020	01/09/07 16:10	SLS	7440-47-3	
Copper	6.9	mg/kg	1.0	6020	01/09/07 16:10	SLS	7440-50-8	
Lead	21.2	mg/kg	1.0	6020	01/09/07 16:10	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/05/07 13:59	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/09/07 16:10	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/09/07 16:10	SLS	7440-22-4	
Zinc	447	mg/kg	1.0	6020	01/09/07 16:10	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/10/07 10:58	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/10/07 10:58	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/10/07 10:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/10/07 10:58	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/10/07 10:58	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/10/07 10:58	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/10/07 10:58	JANB	11096-82-5	

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Lab Sample ID: S30206.09
 Sample Tag: ROF-CMG-OR-020
 Collected Date/Time: 01/02/2007 15:25
 Matrix: Solid
 COC Reference: 035734

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/05/07 11:10	JAC		
Mercury Digestion	Completed			7471A	01/04/07 15:00	JRT		
Metal Digestion	Completed			3050B	01/09/07 12:00	SLS		

Metals

Arsenic	Not detected	mg/kg	0.10	6020	01/09/07 16:13	SLS	7440-38-2	
Barium	1.3	mg/kg	1.0	6020	01/09/07 16:13	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/09/07 16:13	SLS	7440-43-9	
Chromium	Not detected	mg/kg	2.0	6020	01/09/07 16:13	SLS	7440-47-3	
Copper	3.6	mg/kg	1.0	6020	01/09/07 16:13	SLS	7440-50-8	
Lead	2.7	mg/kg	1.0	6020	01/09/07 16:13	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/05/07 14:00	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/09/07 16:13	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/09/07 16:13	SLS	7440-22-4	
Zinc	28.0	mg/kg	1.0	6020	01/09/07 16:13	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/10/07 11:34	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/10/07 11:34	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/10/07 11:34	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/10/07 11:34	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/10/07 11:34	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/10/07 11:34	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/10/07 11:34	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30206.10
 Sample Tag: ROF-CMG-OR-021
 Collected Date/Time: 01/02/2007 15:45
 Matrix: Solid
 COC Reference: 035734

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	01/05/07 11:10	JAC		
Mercury Digestion	Completed			7471A	01/04/07 15:00	JRT		
Metal Digestion	Completed			3050B	01/09/07 12:00	SLS		
Metals								
Arsenic	2.10	mg/kg	0.10	6020	01/09/07 16:16	SLS	7440-38-2	
Barium	36.5	mg/kg	1.0	6020	01/09/07 16:16	SLS	7440-39-3	
Cadmium	0.42	mg/kg	0.20	6020	01/09/07 16:16	SLS	7440-43-9	
Chromium	38.5	mg/kg	2.0	6020	01/09/07 16:16	SLS	7440-47-3	
Copper	55.0	mg/kg	1.0	6020	01/09/07 16:16	SLS	7440-50-8	
Lead	43.6	mg/kg	1.0	6020	01/09/07 16:16	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/05/07 14:02	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/09/07 16:16	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/09/07 16:16	SLS	7440-22-4	
Zinc	473	mg/kg	1.0	6020	01/09/07 16:16	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/08/07 15:03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/08/07 15:03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/08/07 15:03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/08/07 15:03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/08/07 15:03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/08/07 15:03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/08/07 15:03	JANB	11096-82-5	

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Lab Sample ID: S30206.11
 Sample Tag: ROF-CMG-OR-022
 Collected Date/Time: 01/02/2007 16:00
 Matrix: Solid
 COC Reference: 035734

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/05/07 11:10	JAC		
Mercury Digestion	Completed			7471A	01/04/07 15:00	JRT		
Metal Digestion	Completed			3050B	01/09/07 12:00	SLS		

Metals

Arsenic	3.60	mg/kg	0.10	6020	01/09/07 15:44	SLS	7440-38-2	
Barium	30.8	mg/kg	1.0	6020	01/09/07 15:44	SLS	7440-39-3	
Cadmium	0.62	mg/kg	0.20	6020	01/09/07 15:44	SLS	7440-43-9	
Chromium	155	mg/kg	2.0	6020	01/09/07 15:44	SLS	7440-47-3	
Copper	113	mg/kg	1.0	6020	01/09/07 15:44	SLS	7440-50-8	
Lead	24.8	mg/kg	1.0	6020	01/09/07 15:44	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/05/07 14:04	JRT	7439-97-6	
Selenium	0.31	mg/kg	0.20	6020	01/09/07 15:44	SLS	7782-49-2	
Silver	0.12	mg/kg	0.10	6020	01/09/07 15:44	SLS	7440-22-4	
Zinc	204	mg/kg	1.0	6020	01/09/07 15:44	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/09/07 10:58	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/09/07 10:58	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/09/07 10:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/09/07 10:58	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/09/07 10:58	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/09/07 10:58	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/09/07 10:58	JANB	11096-82-5	

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Lab Sample ID: S30206.12
 Sample Tag: ROF-CMG-OR-023
 Collected Date/Time: 01/02/2007 16:15
 Matrix: Solid
 COC Reference: 035734

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/05/07 11:10	JAC		
Extraction, PCB (Replicate 01)	Completed			3550B	01/10/07 13:42	TAS		
Mercury Digestion	Completed			7471A	01/04/07 15:00	JRT		
Metal Digestion	Completed			3050B	01/09/07 12:00	SLS		

Metals

Arsenic	4.47	mg/kg	0.10	6020	01/09/07 16:20	SLS	7440-38-2	
Barium	143	mg/kg	1.0	6020	01/09/07 16:20	SLS	7440-39-3	
Cadmium	1.11	mg/kg	0.20	6020	01/09/07 16:20	SLS	7440-43-9	
Chromium	36.8	mg/kg	2.0	6020	01/09/07 16:20	SLS	7440-47-3	
Copper	77.5	mg/kg	1.0	6020	01/09/07 16:20	SLS	7440-50-8	
Lead	39.5	mg/kg	1.0	6020	01/09/07 16:20	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/05/07 14:06	JRT	7439-97-6	
Selenium	0.70	mg/kg	0.20	6020	01/09/07 16:20	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/09/07 16:20	SLS	7440-22-4	
Zinc	384	mg/kg	1.0	6020	01/09/07 16:20	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	10,000	8082	01/10/07 14:29	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	10,000	8082	01/10/07 14:29	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	10,000	8082	01/10/07 14:29	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	10,000	8082	01/10/07 14:29	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	10,000	8082	01/10/07 14:29	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	10,000	8082	01/10/07 14:29	JANB	11097-69-1	
PCB-1260	43,000	ug/kg	10,000	8082	01/10/07 14:29	JANB	11096-82-5	

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

C.O.C. PAGE # 1 OF 1

035734

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE / JIM PALMIERI**
 COMPANY: **O'BRIEN & GERE**
 ADDRESS: **33469 W. 14 MILE RD, SUITE 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE: **48331**
 PHONE NO.: **248-661-3745** FAX NO.: **248-661-4057**
 E-MAIL ADDRESS: **moorewm@obg.com / jep12@aol.com**

CONTACT NAME: **KEN GEMBEL**
 COMPANY: **GENERAL MOTORS, PCC CENTRAL**
 ADDRESS: **2000 CENTERPOINT PARKWAY, MC 483-520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48311-3147**
 PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: **SAGINAW MALLEABLE IRON** SAMPLER(S) - PLEASE PRINT/SIGN NAME: **D. SEAMANS / JIM PALMIERI**
 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, SL=SLUDGE, O=OIL, A=AIR, W=WASTE, M=MISC

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATERIAL	# OF BOTTLES	DATE	TIME	HCL	HNO3	H2SO4	HNOH	H2O2	OTHER	PRESERVATIVES	PACs	HEAVY METALS (CML-10)	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME															
30206.01	1-2-7	13:05	ROF-MFG-OR-012														ROOFING MATERIAL
.02		13:10	ROF-MFG-OR-013														DEBRIS ON ROOF
.03		13:30	ROF-MFG-OR-014														ROOFING MATERIAL
.04		13:50	ROF-CMG-OR-015														ROOFING MATERIAL
.05		14:15	ROF-CMG-OR-016														" "
.06		14:40	ROF-CMG-OR-017														" "
.07		15:05	ROF-CMG-OR-018														" "
.08		15:20	ROF-CMG-OR-019														" "
.09		15:25	ROF-CMG-OR-020														" "
.10		15:45	ROF-CMG-OR-021														DEBRIS ON ROOF
.11		16:00	ROF-CMG-OR-022														DEBRIS ON DECK-P&F
.12		16:15	ROF-CMG-OR-023														ROOFING MATERIAL

RELINQUISHED BY: **[Signature]** DATE: **1/3/7** TIME:
 RECEIVED BY: **[Signature]** DATE: **1-2-07** TIME: **11:55**
 RELINQUISHED BY: **[Signature]** DATE: TIME:
 RECEIVED BY: **[Signature]** DATE: TIME:
 SEAL NO.: SEAL INTACT: **YES** **NO** INITIALS: NOTES: TEMP. ON ARRIVAL: **4.3**

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE
 Jun 22, 2009 16:22



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Report ID: S30239.01(01)
Generated on 01/12/2007

Report to

Attention: Bill Moore/Jim Palmieri
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057
Email: jep12@aol.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): S30239.01-S30239.46
Project: Saginaw Malleable Iron
Collected Date: 01/03/2007 - 01/04/2007
Submitted Date/Time: 01/05/2007 11:50
Sampled by: D. Seamans/J. Pal
P.O. #: GMS07385

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John Messinger
Arcadis
Jun 22, 2009 16:22

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.

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Sample Summary (46 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S30239.01	ROF-MFG-OR-024	Solid	01/03/2007 14:45
S30239.02	DUS-MFG-OR-025	Solid	01/03/2007 14:55
S30239.03	ROF-CMG-OR-026	Solid	01/03/2007 15:20
S30239.04	ROF-CMG-OR-027	Solid	01/03/2007 15:25
S30239.05	ROF-CMG-OR-028	Solid	01/03/2007 15:40
S30239.06	DUC-CMG-OR-029	Solid	01/03/2007 15:50
S30239.07	DUC-CMG-OR-030	Wipe	01/03/2007 16:10
S30239.08	FTR-CMG-OR-031	Solid	01/03/2007 16:25
S30239.09	FTR-CMG-OR-032	Solid	01/03/2007 16:30
S30239.10	DUS-MFG-01-033	Solid	01/03/2007 16:45
S30239.11	ROF-MFG-0R-034	Solid	01/03/2007 17:00
S30239.12	ROF-MFG-0R-035	Solid	01/03/2007 17:00
S30239.13	ROF-EAD-0R-036	Solid	01/03/2007 17:25
S30239.14	ROF-MFG-0R-047	Solid	01/04/2007 13:30
S30239.15	ROF-MFG-0R-048	Solid	01/04/2007 14:00
S30239.16	ROF-MFG-0R-049	Solid	01/04/2007 14:20
S30239.17	FLR-EQ-01-052	Solid	01/04/2007 16:10
S30239.18	FLR-MFG-01-053	Solid	01/04/2007 16:25
S30239.19	FLR-MFG-01-054	Solid	01/04/2007 16:40
S30239.20	FLR-MFG-01-055	Solid	01/04/2007 17:00
S30239.21	FLR-MFG-01-056	Solid	01/04/2007 17:10
S30239.22	FLR-CMG-01-057	Solid	01/04/2007 17:20
S30239.23	FLR-CMG-01-058	Solid	01/04/2007 17:30
S30239.24	FLR-CMG-01-059	Solid	01/04/2007 17:15
S30239.25	FLR-SMG-01-037	Solid	01/04/2007 09:40
S30239.26	FLR-CMG-01-038	Solid	01/04/2007 10:00
S30239.27	FLR-CMG-01-039	Solid	01/04/2007 10:15
S30239.28	FLR-SMG-01-040	Solid	01/04/2007 10:20
S30239.29	FLR-SMG-01-041	Solid	01/04/2007 11:00
S30239.30	FLR-CMG-01-042	Solid	01/04/2007 11:20
S30239.31	FLR-CMG-01-043	Solid	01/04/2007 11:40
S30239.32	FLR-MFG-01-044	Solid	01/04/2007 11:50
S30239.33	FLR-MFG-01-045	Solid	01/04/2007 12:00
S30239.34	FLR-MFG-01-046	Solid	01/04/2007 12:25
S30239.35	FLR-SRB-01-050	Solid	01/04/2007 15:45
S30239.36	FLR-SRB-01-051	Solid	01/04/2007 16:00
S30239.37	BIT-A1	Wipe	01/04/2007 09:30
S30239.38	BIT-A2	Wipe	01/04/2007 11:10
S30239.39	BIT-A3	Wipe	01/04/2007 12:30
S30239.40	BIT-A4	Wipe	01/04/2007 16:45
S30239.41	BIT-A5	Wipe	01/04/2007 17:50
S30239.42	FLR-CMG-01-060	Solid	01/04/2007 18:00
S30239.43	FLR-CMG-01-061	Solid	01/04/2007 18:10
S30239.44	FLR-EAD-01-062	Solid	01/04/2007 18:15
S30239.45	FLR-EAD-01-063	Solid	01/04/2007 18:20
S30239.46	FLR-MFG-01-064	Solid	01/04/2007 18:30

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 Jun 22, 2009 16:22

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.01
 Sample Tag: ROF-MFG-OR-024
 Collected Date/Time: 01/03/2007 14:45
 Matrix: Solid
 COC Reference: 035735

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		

Metals

Arsenic	Not detected	mg/kg	0.10	6020	01/11/07 12:43	SLS	7440-38-2	
Barium	2.3	mg/kg	1.0	6020	01/11/07 12:43	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/11/07 12:43	SLS	7440-43-9	
Chromium	Not detected	mg/kg	2.0	6020	01/11/07 12:43	SLS	7440-47-3	
Copper	4.8	mg/kg	1.0	6020	01/11/07 12:43	SLS	7440-50-8	
Lead	2.2	mg/kg	1.0	6020	01/11/07 12:43	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 14:47	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/11/07 12:43	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/11/07 12:43	SLS	7440-22-4	
Zinc	37.0	mg/kg	1.0	6020	01/11/07 12:43	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/11/07 14:10	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/11/07 14:10	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/11/07 14:10	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/11/07 14:10	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/11/07 14:10	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/11/07 14:10	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/11/07 14:10	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.02
 Sample Tag: DUS-MFG-OR-025
 Collected Date/Time: 01/03/2007 14:55
 Matrix: Solid
 COC Reference: 035735

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	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		
Metals								
Arsenic	2.34	mg/kg	0.10	6020	01/11/07 12:40	SLS	7440-38-2	
Barium	24.9	mg/kg	1.0	6020	01/11/07 12:40	SLS	7440-39-3	
Cadmium	3.28	mg/kg	0.20	6020	01/11/07 12:40	SLS	7440-43-9	
Chromium	18.1	mg/kg	2.0	6020	01/11/07 12:40	SLS	7440-47-3	
Copper	18.2	mg/kg	1.0	6020	01/11/07 12:40	SLS	7440-50-8	
Lead	55.0	mg/kg	1.0	6020	01/11/07 12:40	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 14:49	JRT	7439-97-6	
Selenium	0.31	mg/kg	0.20	6020	01/11/07 12:40	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/11/07 12:40	SLS	7440-22-4	
Zinc	482	mg/kg	1.0	6020	01/11/07 12:40	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	2,000	8082	01/10/07 14:00	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	2,000	8082	01/10/07 14:00	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	2,000	8082	01/10/07 14:00	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	2,000	8082	01/10/07 14:00	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	2,000	8082	01/10/07 14:00	JANB	12672-29-6	Y
PCB-1254	14,000	ug/kg	2,000	8082	01/10/07 14:00	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	2,000	8082	01/10/07 14:00	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.03
 Sample Tag: ROF-CMG-OR-026
 Collected Date/Time: 01/03/2007 15:20
 Matrix: Solid
 COC Reference: 035735

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		

Metals

Arsenic	1.45	mg/kg	0.10	6020	01/11/07 12:46	SLS	7440-38-2	
Barium	9.8	mg/kg	1.0	6020	01/11/07 12:46	SLS	7440-39-3	
Cadmium	0.25	mg/kg	0.20	6020	01/11/07 12:46	SLS	7440-43-9	
Chromium	67.3	mg/kg	2.0	6020	01/11/07 12:46	SLS	7440-47-3	
Copper	24.5	mg/kg	1.0	6020	01/11/07 12:46	SLS	7440-50-8	
Lead	14.4	mg/kg	1.0	6020	01/11/07 12:46	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 15:34	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/11/07 12:46	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/11/07 12:46	SLS	7440-22-4	
Zinc	80.8	mg/kg	1.0	6020	01/11/07 12:46	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	2,000	8082	01/11/07 12:25	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	2,000	8082	01/11/07 12:25	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	2,000	8082	01/11/07 12:25	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	2,000	8082	01/11/07 12:25	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	2,000	8082	01/11/07 12:25	JANB	12672-29-6	Y
PCB-1254	14,000	ug/kg	2,000	8082	01/11/07 12:25	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	2,000	8082	01/11/07 12:25	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.04
 Sample Tag: ROF-CMG-OR-027
 Collected Date/Time: 01/03/2007 15:25
 Matrix: Solid
 COC Reference: 035735

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	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		
Metals								
Arsenic	0.52	mg/kg	0.10	6020	01/11/07 12:49	SLS	7440-38-2	
Barium	3.7	mg/kg	1.0	6020	01/11/07 12:49	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/11/07 12:49	SLS	7440-43-9	
Chromium	3.2	mg/kg	2.0	6020	01/11/07 12:49	SLS	7440-47-3	
Copper	20.7	mg/kg	1.0	6020	01/11/07 12:49	SLS	7440-50-8	
Lead	5.9	mg/kg	1.0	6020	01/11/07 12:49	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 14:51	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/11/07 12:49	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/11/07 12:49	SLS	7440-22-4	
Zinc	27.8	mg/kg	1.0	6020	01/11/07 12:49	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/10/07 11:21	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/10/07 11:21	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/10/07 11:21	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/10/07 11:21	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/10/07 11:21	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/10/07 11:21	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/10/07 11:21	JANB	11096-82-5	

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

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.05
 Sample Tag: ROF-CMG-OR-028
 Collected Date/Time: 01/03/2007 15:40
 Matrix: Solid
 COC Reference: 035735

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		

Metals

Arsenic	Not detected	mg/kg	0.10	6020	01/11/07 12:53	SLS	7440-38-2	
Barium	Not detected	mg/kg	1.0	6020	01/11/07 12:53	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/11/07 12:53	SLS	7440-43-9	
Chromium	Not detected	mg/kg	2.0	6020	01/11/07 12:53	SLS	7440-47-3	
Copper	Not detected	mg/kg	1.0	6020	01/11/07 12:53	SLS	7440-50-8	
Lead	Not detected	mg/kg	1.0	6020	01/11/07 12:53	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 14:53	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/11/07 12:53	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/11/07 12:53	SLS	7440-22-4	
Zinc	2.4	mg/kg	1.0	6020	01/11/07 12:53	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/11/07 14:22	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/11/07 14:22	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/11/07 14:22	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/11/07 14:22	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/11/07 14:22	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/11/07 14:22	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/11/07 14:22	JANB	11096-82-5	

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Jun 22, 2009 16:22



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.06
 Sample Tag: DUC-CMG-OR-029
 Collected Date/Time: 01/03/2007 15:50
 Matrix: Solid
 COC Reference: 035735

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		

Metals

Arsenic	4.65	mg/kg	0.10	6020	01/11/07 12:56	SLS	7440-38-2	
Barium	33.5	mg/kg	1.0	6020	01/11/07 12:56	SLS	7440-39-3	
Cadmium	1.17	mg/kg	0.20	6020	01/11/07 12:56	SLS	7440-43-9	
Chromium	45.4	mg/kg	2.0	6020	01/11/07 12:56	SLS	7440-47-3	
Copper	43.7	mg/kg	1.0	6020	01/11/07 12:56	SLS	7440-50-8	
Lead	68.7	mg/kg	1.0	6020	01/11/07 12:56	SLS	7439-92-1	
Mercury	0.094	mg/kg	0.050	7471A	01/08/07 14:54	JRT	7439-97-6	
Selenium	7.08	mg/kg	0.20	6020	01/11/07 12:56	SLS	7782-49-2	
Silver	0.46	mg/kg	0.10	6020	01/11/07 12:56	SLS	7440-22-4	
Zinc	3,590	mg/kg	1.0	6020	01/11/07 13:06	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	2,000	8082	01/10/07 15:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	2,000	8082	01/10/07 15:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	2,000	8082	01/10/07 15:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	2,000	8082	01/10/07 15:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	2,000	8082	01/10/07 15:37	JANB	12672-29-6	
PCB-1254	13,000	ug/kg	2,000	8082	01/10/07 15:37	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	2,000	8082	01/10/07 15:37	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.07
 Sample Tag: DUC-CMG-OR-030
 Collected Date/Time: 01/03/2007 16:10
 Matrix: Wipe
 COC Reference: 035735

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	2	8082	01/10/07 14:42	JANB	12674-11-2	Y
PCB-1221	Not detected	ug/100cm2	2	8082	01/10/07 14:42	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/100cm2	2	8082	01/10/07 14:42	JANB	11141-16-5	Y
PCB-1242	Not detected	ug/100cm2	2	8082	01/10/07 14:42	JANB	53469-21-9	Y
PCB-1248	Not detected	ug/100cm2	2	8082	01/10/07 14:42	JANB	12672-29-6	Y
PCB-1254	14	ug/100cm2	2	8082	01/10/07 14:42	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/100cm2	2	8082	01/10/07 14:42	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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 Arcadis
 Jun 22, 2009 16:22



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.08
 Sample Tag: FTR-CMG-OR-031
 Collected Date/Time: 01/03/2007 16:25
 Matrix: Solid
 COC Reference: 035735

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	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		
Metals								
Arsenic	6.07	mg/kg	0.10	6020	01/11/07 12:59	SLS	7440-38-2	
Barium	128	mg/kg	1.0	6020	01/11/07 12:59	SLS	7440-39-3	
Cadmium	3.43	mg/kg	0.20	6020	01/11/07 12:59	SLS	7440-43-9	
Chromium	34.4	mg/kg	2.0	6020	01/11/07 12:59	SLS	7440-47-3	
Copper	63.3	mg/kg	1.0	6020	01/11/07 12:59	SLS	7440-50-8	
Lead	86.0	mg/kg	1.0	6020	01/11/07 12:59	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 14:57	JRT	7439-97-6	
Selenium	1.35	mg/kg	0.20	6020	01/11/07 12:59	SLS	7782-49-2	
Silver	0.15	mg/kg	0.10	6020	01/11/07 12:59	SLS	7440-22-4	
Zinc	25,100	mg/kg	1.0	6020	01/11/07 13:09	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/10/07 14:53	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/10/07 14:53	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/10/07 14:53	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/10/07 14:53	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/10/07 14:53	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/10/07 14:53	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/10/07 14:53	JANB	11096-82-5	

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

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.09
 Sample Tag: FTR-CMG-OR-032
 Collected Date/Time: 01/03/2007 16:30
 Matrix: Solid
 COC Reference: 035735

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		

Metals

Arsenic	2.38	mg/kg	0.10	6020	01/11/07 13:12	SLS	7440-38-2	
Barium	13.2	mg/kg	1.0	6020	01/11/07 13:12	SLS	7440-39-3	
Cadmium	0.45	mg/kg	0.20	6020	01/11/07 13:12	SLS	7440-43-9	
Chromium	40.7	mg/kg	2.0	6020	01/11/07 13:12	SLS	7440-47-3	
Copper	38.9	mg/kg	1.0	6020	01/11/07 13:12	SLS	7440-50-8	
Lead	32.7	mg/kg	1.0	6020	01/11/07 13:12	SLS	7439-92-1	
Mercury	0.101	mg/kg	0.050	7471A	01/08/07 14:59	JRT	7439-97-6	
Selenium	0.35	mg/kg	0.20	6020	01/11/07 13:12	SLS	7782-49-2	
Silver	0.12	mg/kg	0.10	6020	01/11/07 13:12	SLS	7440-22-4	
Zinc	86.3	mg/kg	1.0	6020	01/11/07 13:12	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	2,000	8082	01/10/07 15:03	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	2,000	8082	01/10/07 15:03	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	2,000	8082	01/10/07 15:03	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	2,000	8082	01/10/07 15:03	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	2,000	8082	01/10/07 15:03	JANB	12672-29-6	Y
PCB-1254	15,000	ug/kg	2,000	8082	01/10/07 15:03	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	2,000	8082	01/10/07 15:03	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.10
 Sample Tag: DUS-MFG-01-033
 Collected Date/Time: 01/03/2007 16:45
 Matrix: Solid
 COC Reference: 035735

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		

Metals

Arsenic	2.98	mg/kg	0.10	6020	01/11/07 13:15	SLS	7440-38-2	
Barium	22.2	mg/kg	1.0	6020	01/11/07 13:15	SLS	7440-39-3	
Cadmium	7.36	mg/kg	0.20	6020	01/11/07 13:15	SLS	7440-43-9	
Chromium	19.5	mg/kg	2.0	6020	01/11/07 13:15	SLS	7440-47-3	
Copper	32.1	mg/kg	1.0	6020	01/11/07 13:15	SLS	7440-50-8	
Lead	16.1	mg/kg	1.0	6020	01/11/07 13:15	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 15:01	JRT	7439-97-6	
Selenium	1.09	mg/kg	0.20	6020	01/11/07 13:15	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/11/07 13:15	SLS	7440-22-4	
Zinc	529	mg/kg	1.0	6020	01/11/07 13:15	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/10/07 17:30	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/10/07 17:30	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/10/07 17:30	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/10/07 17:30	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/10/07 17:30	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/10/07 17:30	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/10/07 17:30	JANB	11096-82-5	

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



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.11
 Sample Tag: ROF-MFG-0R-034
 Collected Date/Time: 01/03/2007 17:00
 Matrix: Solid
 COC Reference: 035735

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		

Metals

Arsenic	1.77	mg/kg	0.10	6020	01/11/07 13:38	SLS	7440-38-2	
Barium	248	mg/kg	1.0	6020	01/11/07 13:38	SLS	7440-39-3	
Cadmium	0.75	mg/kg	0.20	6020	01/11/07 13:38	SLS	7440-43-9	
Chromium	66.8	mg/kg	2.0	6020	01/11/07 13:38	SLS	7440-47-3	
Copper	98.0	mg/kg	1.0	6020	01/11/07 13:38	SLS	7440-50-8	
Lead	66.1	mg/kg	1.0	6020	01/11/07 13:38	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 15:03	JRT	7439-97-6	
Selenium	0.58	mg/kg	0.20	6020	01/11/07 13:38	SLS	7782-49-2	
Silver	0.11	mg/kg	0.10	6020	01/11/07 13:38	SLS	7440-22-4	
Zinc	1,090	mg/kg	1.0	6020	01/11/07 13:38	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/11/07 13:59	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/11/07 13:59	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/11/07 13:59	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/11/07 13:59	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/11/07 13:59	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/11/07 13:59	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/11/07 13:59	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

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Lab Sample ID: S30239.12
 Sample Tag: ROF-MFG-0R-035
 Collected Date/Time: 01/03/2007 17:00
 Matrix: Solid
 COC Reference: 035735

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		

Metals

Arsenic	0.46	mg/kg	0.10	6020	01/11/07 13:42	SLS	7440-38-2	
Barium	2.5	mg/kg	1.0	6020	01/11/07 13:42	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/11/07 13:42	SLS	7440-43-9	
Chromium	Not detected	mg/kg	2.0	6020	01/11/07 13:42	SLS	7440-47-3	
Copper	3.0	mg/kg	1.0	6020	01/11/07 13:42	SLS	7440-50-8	
Lead	Not detected	mg/kg	1.0	6020	01/11/07 13:42	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 15:36	JRT	7439-97-6	
Selenium	0.23	mg/kg	0.20	6020	01/11/07 13:42	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/11/07 13:42	SLS	7440-22-4	
Zinc	22.8	mg/kg	1.0	6020	01/11/07 13:42	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/11/07 14:33	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/11/07 14:33	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/11/07 14:33	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/11/07 14:33	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/11/07 14:33	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/11/07 14:33	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/11/07 14:33	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.13
 Sample Tag: ROF-EAD-0R-036
 Collected Date/Time: 01/03/2007 17:25
 Matrix: Solid
 COC Reference: 035736

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	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		
Metals								
Arsenic	0.24	mg/kg	0.10	6020	01/11/07 13:45	SLS	7440-38-2	
Barium	2.2	mg/kg	1.0	6020	01/11/07 13:45	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/11/07 13:45	SLS	7440-43-9	
Chromium	Not detected	mg/kg	2.0	6020	01/11/07 13:45	SLS	7440-47-3	
Copper	4.3	mg/kg	1.0	6020	01/11/07 13:45	SLS	7440-50-8	
Lead	1.0	mg/kg	1.0	6020	01/11/07 13:45	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 15:14	JRT	7439-97-6	
Selenium	0.27	mg/kg	0.20	6020	01/11/07 13:45	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/11/07 13:45	SLS	7440-22-4	
Zinc	27.3	mg/kg	1.0	6020	01/11/07 13:45	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/11/07 14:44	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/11/07 14:44	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/11/07 14:44	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/11/07 14:44	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/11/07 14:44	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/11/07 14:44	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/11/07 14:44	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30239.14
 Sample Tag: ROF-MFG-0R-047
 Collected Date/Time: 01/04/2007 13:30
 Matrix: Solid
 COC Reference: 035736

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
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Extraction / Prep.

Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		
PNA Extraction	Completed			3550B	01/05/07 19:51	EMR		

Inorganics

Total Solids	83	%	1	160.3	01/11/07 15:28	LBR		
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Metals

Arsenic	2.09	mg/kg	0.10	6020	01/11/07 13:48	SLS	7440-38-2	
Barium	26.1	mg/kg	1.0	6020	01/11/07 13:48	SLS	7440-39-3	
Cadmium	1.00	mg/kg	0.20	6020	01/11/07 13:48	SLS	7440-43-9	
Chromium	24.1	mg/kg	1.0	6020	01/11/07 13:48	SLS	7440-47-3	
Copper	69.5	mg/kg	1.0	6020	01/11/07 13:48	SLS	7440-50-8	
Lead	81.7	mg/kg	1.0	6020	01/11/07 13:48	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 15:16	JRT	7439-97-6	
Selenium	0.29	mg/kg	0.20	6020	01/11/07 13:48	SLS	7782-49-2	
Silver	0.18	mg/kg	0.10	6020	01/11/07 13:48	SLS	7440-22-4	
Zinc	1,230	mg/kg	1.0	6020	01/11/07 13:48	SLS	7440-66-6	

Organics - Semi-Volatiles**Polynuclear Aromatics**

Acenaphthene	Not detected	ug/kg	300	8270C	01/08/07 20:59	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	01/08/07 20:59	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	01/08/07 20:59	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	01/08/07 20:59	ARH	56-55-3	
Benzo(a)pyrene	500	ug/kg	300	8270C	01/08/07 20:59	ARH	50-32-8	
Benzo(b)fluoranthene	700	ug/kg	300	8270C	01/08/07 20:59	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	01/08/07 20:59	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	01/08/07 20:59	ARH	191-24-2	
Chrysene	1,000	ug/kg	300	8270C	01/08/07 20:59	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	01/08/07 20:59	ARH	53-70-3	
Fluoranthene	1,100	ug/kg	300	8270C	01/08/07 20:59	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	01/08/07 20:59	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	01/08/07 20:59	ARH	193-39-5	
Naphthalene	500	ug/kg	300	8270C	01/08/07 20:59	ARH	91-20-3	
Phenanthrene	1,000	ug/kg	300	8270C	01/08/07 20:59	ARH	85-01-8	
Pyrene	1,000	ug/kg	300	8270C	01/08/07 20:59	ARH	129-00-0	
2-Methylnaphthalene	600	ug/kg	300	8270C	01/08/07 20:59	ARH	91-57-6	

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Lab Sample ID: S30239.15
 Sample Tag: ROF-MFG-OR-048
 Collected Date/Time: 01/04/2007 14:00
 Matrix: Solid
 COC Reference: 035736

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.								
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		
PNA Extraction	Completed			3550B	01/05/07 19:51	EMR		
Inorganics								
Total Solids	100	%	1	160.3	01/11/07 15:28	LBR		
Metals								
Arsenic	0.22	mg/kg	0.10	6020	01/11/07 13:51	SLS	7440-38-2	
Barium	5.0	mg/kg	1.0	6020	01/11/07 13:51	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.25	6020	01/11/07 13:51	SLS	7440-43-9	
Chromium	3.3	mg/kg	1.0	6020	01/11/07 13:51	SLS	7440-47-3	
Copper	7.0	mg/kg	1.0	6020	01/11/07 13:51	SLS	7440-50-8	
Lead	9.3	mg/kg	1.0	6020	01/11/07 13:51	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 15:18	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/11/07 13:51	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/11/07 13:51	SLS	7440-22-4	
Zinc	71.1	mg/kg	1.0	6020	01/11/07 13:51	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	01/08/07 17:35	ARH	129-00-0	
2-Methylnaphthalene	600	ug/kg	300	8270C	01/08/07 17:35	ARH	91-57-6	

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Lab Sample ID: S30239.16
 Sample Tag: ROF-MFG-0R-049
 Collected Date/Time: 01/04/2007 14:20
 Matrix: Solid
 COC Reference: 035736

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	01/09/07 16:21	TAS		
Mercury Digestion	Completed			7471A	01/08/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		
Metals								
Arsenic	36.5	mg/kg	0.10	6020	01/11/07 13:19	SLS	7440-38-2	
Barium	93.0	mg/kg	1.0	6020	01/11/07 13:19	SLS	7440-39-3	
Cadmium	0.37	mg/kg	0.20	6020	01/11/07 13:19	SLS	7440-43-9	
Chromium	23.1	mg/kg	2.0	6020	01/11/07 13:19	SLS	7440-47-3	
Copper	62.8	mg/kg	1.0	6020	01/11/07 13:19	SLS	7440-50-8	
Lead	28.4	mg/kg	1.0	6020	01/11/07 13:19	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/08/07 15:20	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/11/07 13:19	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/11/07 13:19	SLS	7440-22-4	
Zinc	106	mg/kg	1.0	6020	01/11/07 13:19	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/10/07 15:14	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/10/07 15:14	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/10/07 15:14	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/10/07 15:14	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/10/07 15:14	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/10/07 15:14	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/10/07 15:14	JANB	11096-82-5	

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Lab Sample ID: S30239.17
 Sample Tag: FLR-EQ-01-052
 Collected Date/Time: 01/04/2007 16:10
 Matrix: Solid
 COC Reference: 035736

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 10:29	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 10:29	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 10:29	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 10:29	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 10:29	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/10/07 10:29	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 10:29	JANB	11096-82-5	

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Lab Sample ID: S30239.18
 Sample Tag: FLR-MFG-01-053
 Collected Date/Time: 01/04/2007 16:25
 Matrix: Solid
 COC Reference: 035736

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 17:53	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 17:53	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 17:53	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 17:53	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 17:53	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/10/07 17:53	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 17:53	JANB	11096-82-5	

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

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Lab Sample ID: S30239.19
 Sample Tag: FLR-MFG-01-054
 Collected Date/Time: 01/04/2007 16:40
 Matrix: Solid
 COC Reference: 035736

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/10/07 12:08	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/10/07 12:08	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/10/07 12:08	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/10/07 12:08	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/10/07 12:08	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/10/07 12:08	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/10/07 12:08	JANB	11096-82-5	

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Lab Sample ID: S30239.20
 Sample Tag: FLR-MFG-01-055
 Collected Date/Time: 01/04/2007 17:00
 Matrix: Solid
 COC Reference: 035736

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 15:35	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 15:35	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 15:35	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 15:35	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 15:35	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/10/07 15:35	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 15:35	JANB	11096-82-5	

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Lab Sample ID: S30239.21
 Sample Tag: FLR-MFG-01-056
 Collected Date/Time: 01/04/2007 17:10
 Matrix: Solid
 COC Reference: 035736

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 12:19	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 12:19	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 12:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 12:19	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 12:19	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/10/07 12:19	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 12:19	JANB	11096-82-5	

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

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Lab Sample ID: S30239.22
Sample Tag: FLR-CMG-01-057
Collected Date/Time: 01/04/2007 17:20
Matrix: Solid
COC Reference: 035736

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 18:04	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 18:04	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 18:04	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 18:04	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 18:04	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/10/07 18:04	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 18:04	JANB	11096-82-5	

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

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Lab Sample ID: S30239.23
 Sample Tag: FLR-CMG-01-058
 Collected Date/Time: 01/04/2007 17:30
 Matrix: Solid
 COC Reference: 035736

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 18:15	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 18:15	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 18:15	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 18:15	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 18:15	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/10/07 18:15	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 18:15	JANB	11096-82-5	

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

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Lab Sample ID: S30239.24
 Sample Tag: FLR-CMG-01-059
 Collected Date/Time: 01/04/2007 17:15
 Matrix: Solid
 COC Reference: 035736

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 18:38	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 18:38	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 18:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 18:38	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 18:38	JANB	12672-29-6	
PCB-1254	1,200	ug/kg	330	8082	01/10/07 18:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 18:38	JANB	11096-82-5	

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Lab Sample ID: S30239.25
 Sample Tag: FLR-SMG-01-037
 Collected Date/Time: 01/04/2007 09:40
 Matrix: Solid
 COC Reference: 035739

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	500	8082	01/11/07 10:54	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	500	8082	01/11/07 10:54	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	500	8082	01/11/07 10:54	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	500	8082	01/11/07 10:54	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	500	8082	01/11/07 10:54	JANB	12672-29-6	Y
PCB-1254	5,000	ug/kg	500	8082	01/11/07 10:54	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	500	8082	01/11/07 10:54	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30239.26
 Sample Tag: FLR-CMG-01-038
 Collected Date/Time: 01/04/2007 10:00
 Matrix: Solid
 COC Reference: 035739

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	900	8082	01/11/07 11:33	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	900	8082	01/11/07 11:33	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	900	8082	01/11/07 11:33	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	900	8082	01/11/07 11:33	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	900	8082	01/11/07 11:33	JANB	12672-29-6	Y
PCB-1254	7,200	ug/kg	900	8082	01/11/07 11:33	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	900	8082	01/11/07 11:33	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Lab Sample ID: S30239.27
 Sample Tag: FLR-CMG-01-039
 Collected Date/Time: 01/04/2007 10:15
 Matrix: Solid
 COC Reference: 035739

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	2,000	8082	01/11/07 12:36	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	2,000	8082	01/11/07 12:36	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	2,000	8082	01/11/07 12:36	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	2,000	8082	01/11/07 12:36	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	2,000	8082	01/11/07 12:36	JANB	12672-29-6	Y
PCB-1254	14,000	ug/kg	2,000	8082	01/11/07 12:36	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	2,000	8082	01/11/07 12:36	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Lab Sample ID: S30239.28
 Sample Tag: FLR-SMG-01-040
 Collected Date/Time: 01/04/2007 10:20
 Matrix: Solid
 COC Reference: 035739

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 18:27	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 18:27	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 18:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 18:27	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 18:27	JANB	12672-29-6	
PCB-1254	840	ug/kg	330	8082	01/10/07 18:27	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 18:27	JANB	11096-82-5	

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Lab Sample ID: S30239.29
 Sample Tag: FLR-SMG-01-041
 Collected Date/Time: 01/04/2007 11:00
 Matrix: Solid
 COC Reference: 035739

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/11/07 10:18	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	1,000	8082	01/11/07 10:18	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	1,000	8082	01/11/07 10:18	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	1,000	8082	01/11/07 10:18	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	1,000	8082	01/11/07 10:18	JANB	12672-29-6	Y
PCB-1254	7,000	ug/kg	1,000	8082	01/11/07 10:18	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	1,000	8082	01/11/07 10:18	JANB	11096-82-5	Y

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Lab Sample ID: S30239.30
Sample Tag: FLR-CMG-01-042
Collected Date/Time: 01/04/2007 11:20
Matrix: Solid
COC Reference: 035739

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 15:45	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 15:45	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 15:45	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 15:45	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 15:45	JANB	12672-29-6	
PCB-1254	2,500	ug/kg	330	8082	01/10/07 15:45	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 15:45	JANB	11096-82-5	

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Lab Sample ID: S30239.31
 Sample Tag: FLR-CMG-01-043
 Collected Date/Time: 01/04/2007 11:40
 Matrix: Solid
 COC Reference: 035739

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	2,000	8082	01/11/07 12:46	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	2,000	8082	01/11/07 12:46	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	2,000	8082	01/11/07 12:46	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	2,000	8082	01/11/07 12:46	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	2,000	8082	01/11/07 12:46	JANB	12672-29-6	Y
PCB-1254	12,000	ug/kg	2,000	8082	01/11/07 12:46	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	2,000	8082	01/11/07 12:46	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Lab Sample ID: S30239.32
 Sample Tag: FLR-MFG-01-044
 Collected Date/Time: 01/04/2007 11:50
 Matrix: Solid
 COC Reference: 035739

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 15:56	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 15:56	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 15:56	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 15:56	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 15:56	JANB	12672-29-6	
PCB-1254	800	ug/kg	330	8082	01/10/07 15:56	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 15:56	JANB	11096-82-5	

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Lab Sample ID: S30239.33
 Sample Tag: FLR-MFG-01-045
 Collected Date/Time: 01/04/2007 12:00
 Matrix: Solid
 COC Reference: 035739

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 16:06	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 16:06	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 16:06	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 16:06	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 16:06	JANB	12672-29-6	
PCB-1254	350	ug/kg	330	8082	01/10/07 16:06	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 16:06	JANB	11096-82-5	

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Lab Sample ID: S30239.34
 Sample Tag: FLR-MFG-01-046
 Collected Date/Time: 01/04/2007 12:25
 Matrix: Solid
 COC Reference: 035739

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/11/07 14:55	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/11/07 14:55	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/11/07 14:55	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/11/07 14:55	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/11/07 14:55	JANB	12672-29-6	
PCB-1254	330	ug/kg	330	8082	01/11/07 14:55	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/11/07 14:55	JANB	11096-82-5	

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Lab Sample ID: S30239.35
 Sample Tag: FLR-SRB-01-050
 Collected Date/Time: 01/04/2007 15:45
 Matrix: Solid
 COC Reference: 035739

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 16:17	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 16:17	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 16:17	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 16:17	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 16:17	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/10/07 16:17	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 16:17	JANB	11096-82-5	

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

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Lab Sample ID: S30239.36
Sample Tag: FLR-SRB-01-051
Collected Date/Time: 01/04/2007 16:00
Matrix: Solid
COC Reference: 035739

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 16:27	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 16:27	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 16:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 16:27	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 16:27	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/10/07 16:27	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 16:27	JANB	11096-82-5	

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Lab Sample ID: S30239.37
 Sample Tag: BIT-A1
 Collected Date/Time: 01/04/2007 09:30
 Matrix: Wipe
 COC Reference: 035740

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/10/07 12:30	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/10/07 12:30	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/10/07 12:30	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/10/07 12:30	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/10/07 12:30	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/10/07 12:30	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/10/07 12:30	JANB	11096-82-5	

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Lab Sample ID: S30239.38
Sample Tag: BIT-A2
Collected Date/Time: 01/04/2007 11:10
Matrix: Wipe
COC Reference: 035740

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/10/07 12:42	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/10/07 12:42	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/10/07 12:42	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/10/07 12:42	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/10/07 12:42	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/10/07 12:42	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/10/07 12:42	JANB	11096-82-5	

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Lab Sample ID: S30239.39
 Sample Tag: BIT-A3
 Collected Date/Time: 01/04/2007 12:30
 Matrix: Wipe
 COC Reference: 035740

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/10/07 12:53	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/10/07 12:53	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/10/07 12:53	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/10/07 12:53	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/10/07 12:53	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/10/07 12:53	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/10/07 12:53	JANB	11096-82-5	

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Lab Sample ID: S30239.40
 Sample Tag: BIT-A4
 Collected Date/Time: 01/04/2007 16:45
 Matrix: Wipe
 COC Reference: 035740

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/10/07 13:04	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/10/07 13:04	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/10/07 13:04	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/10/07 13:04	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/10/07 13:04	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/10/07 13:04	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/10/07 13:04	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30239.41
 Sample Tag: BIT-A5
 Collected Date/Time: 01/04/2007 17:50
 Matrix: Wipe
 COC Reference: 035740

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 16:21	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/10/07 13:16	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/10/07 13:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/10/07 13:16	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/10/07 13:16	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/10/07 13:16	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/10/07 13:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/10/07 13:16	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30239.42
 Sample Tag: FLR-CMG-01-060
 Collected Date/Time: 01/04/2007 18:00
 Matrix: Solid
 COC Reference: 035740

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 16:38	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 16:38	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 16:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 16:38	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 16:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/10/07 16:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 16:38	JANB	11096-82-5	

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Lab Sample ID: S30239.43
 Sample Tag: FLR-CMG-01-061
 Collected Date/Time: 01/04/2007 18:10
 Matrix: Solid
 COC Reference: 035740

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/10/07 17:19	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/10/07 17:19	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/10/07 17:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/10/07 17:19	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/10/07 17:19	JANB	12672-29-6	
PCB-1254	400	ug/kg	330	8082	01/10/07 17:19	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/10/07 17:19	JANB	11096-82-5	

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Lab Sample ID: S30239.44
Sample Tag: FLR-EAD-01-062
Collected Date/Time: 01/04/2007 18:15
Matrix: Solid
COC Reference: 035740

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/11/07 12:04	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/11/07 12:04	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/11/07 12:04	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/11/07 12:04	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/11/07 12:04	JANB	12672-29-6	
PCB-1254	2,500	ug/kg	330	8082	01/11/07 12:04	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/11/07 12:04	JANB	11096-82-5	

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Lab Sample ID: S30239.45
 Sample Tag: FLR-EAD-01-063
 Collected Date/Time: 01/04/2007 18:20
 Matrix: Solid
 COC Reference: 035740

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/11/07 15:06	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/11/07 15:06	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/11/07 15:06	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/11/07 15:06	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/11/07 15:06	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/11/07 15:06	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	01/11/07 15:06	JANB	11096-82-5	

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

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Jun 22, 2009 16:22

Lab Sample ID: S30239.46
 Sample Tag: FLR-MFG-01-064
 Collected Date/Time: 01/04/2007 18:30
 Matrix: Solid
 COC Reference: 035740

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/09/07 17:30	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/11/07 15:17	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/11/07 15:17	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/11/07 15:17	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/11/07 15:17	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/11/07 15:17	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/11/07 15:17	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	01/11/07 15:17	JANB	11096-82-5	

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

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 John Messinger
 Arcadis
 Jun 22, 2009 16:22



REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: *BILL MOORE*
 COMPANY: *O'BRIEN & GERE*
 ADDRESS: *33469 W. 14 mile Rd, Suite 150*
 CITY: *FARMINGTON HILLS* STATE: *MI* ZIP CODE: *48351*
 PHONE NO.: *248-661-3745* FAX NO.: *248-661-4057* P.O. NO.:
 E-MAIL ADDRESS: *MOOREWIM@OBG.com / jep12@aol.com* QUOTE NO.:

CONTACT NAME: *KEN GEMBEL* SAME
 COMPANY: *GENERAL AUTOS, PCC CENTRAL*
 ADDRESS: *2000 CENTERPOINT PARKWAY, MC 483-520-190*
 CITY: *PONTIAC* STATE: *MI* ZIP CODE: *48341-3147*
 PHONE NO.: FAX NO.: P.O. NO.:

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME: *SAGINAW MALLEABLE IRON* SAMPLER(S) - PLEASE PRINT/SIGN NAME: *Jim Palmieri / Dave Seaman*
 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	MATERIAL	# OF BOTTLES	Notes	HCL	HNO3	H2SO4	NaOH	LiOH	OTHER	PCBs	TOTAL METALS (MJE-10)	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME													
30239.01	1/3/7	2:45	ROF - MFG - OR - 024	SD	1										ROOF MATERIAL
.02		2:55	DUS - MFG - OR - 025	SD	1										CHILLER - CORE ROOM #3 QUANTA
.03		3:20	ROF - CMG - OR - 026	SD	1										ROOF MATERIAL
.04		3:25	ROF - CMG - OR - 027	SD	1										CHILLER
.05		3:40	ROF - CMG - OR - 028	SD	1										ROOF MATERIAL
.06		3:50	DUC - CMG - OR - 029	SD	1										DUCT # 303
.07		4:10	DUC - CMG - OR - 030	M	1										STACK # 294
.08		4:25	FTR - CMG - OR - 031	SD	1										D PAN COND. AIR WASH
.09		4:30	FTR - CMG - OR - 032	SD	1										H-SC33-252 Scrubber
.10		4:45	DUS - MFG - 031 - 033	SD	1										AIR.13 - OLD PELF DUST
.11		5:00	ROF - MFG - OR - 034	SD	1										DEBRIS ON ROOF
.12		5:00	ROF - MFG - O12 - 035	SD	1										ROOF MATERIAL

RELINQUISHED BY: SIGNATURE/Organization: <i>[Signature]</i>	DATE: <i>1/5/7</i>	TIME:	RELINQUISHED BY: SIGNATURE/Organization: <i>[Signature]</i>	DATE: <i>1-5-07</i>	TIME: <i>11:50</i>
RECEIVED BY: SIGNATURE/Organization:	DATE:	TIME:	RECEIVED BY: SIGNATURE/Organization: <i>[Signature]</i>	DATE:	TIME:
RELINQUISHED BY: SIGNATURE/Organization:	DATE:	TIME:	SEAL NO.:	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	INITIALS:
RECEIVED BY: SIGNATURE/Organization:	DATE:	TIME:	SEAL NO.:	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	INITIALS:

NOTES: TEMP. ON ARRIVAL *4.3*



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

C.O.C. PAGE # 2 OF 4

035736

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: BILL MOORE
 COMPANY: O'BRIEN & GERE
 ADDRESS: 33469 W. 14 MILE RD, SUITE 150
 CITY: FARMINGTON HILLS STATE: MI ZIP CODE: 48331
 PHONE NO.: 248-661-3745 FAX NO.: 248-661-4057
 E-MAIL ADDRESS: moorewm@obg.com / jep12@aol.com

CONTACT NAME: KEN GEMBEL SAME
 COMPANY: GENERAL MOTORS, PCC CENTRAL
 ADDRESS: 2000 CENTER POINT PARKWAY, M.C. 483-520-190
 CITY: PONTIAC STATE: MI ZIP CODE: 48341-347
 PHONE NO. FAX NO. P.O. NO.

PROJECT NO./NAME: Saginaw Malleable Iron

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		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATERIAL	# OF BOTTLES	NOTES	HCL	HNO3	H2SO4	NaOH	NaOCl	OTHER	PCB	METALS-TRACE	MI-10	PAH	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME															
30239.13	1/3/7	5:25	ROF-EAD-OR - 036	SD	1												ROOF MATERIAL
.14	1/4/7	13:30	ROF-MFG-OR - 047	SD	1												COKE BREEZE
.15	1/4/7	14:00	ROF-MFG-OR - 048	SD	1												" "
.16	1/4/7	14:20	ROF-MFG-OR - 049	SD	1												ROOF DEBRIS
.17	1	16:10	FLR-YER-01 - 052	SD	1												
.18		16:25	FLR-MFG-01 - 053	SD	1												
.19		16:40	FLR-MFG-01 - 054	SD	1												
.20		17:00	FLR-MFG-01 - 055	SD	1												
.21		17:10	FLR-MFG-01 - 056	SD	1												
.22		17:20	FLR-CMG-01 - 057	SD	1												
.23		17:30	FLR-CMG-01 - 058	SD	1												
.24		17:15	FLR-CMG-01 - 059	SD	1												

RELINQUISHED BY: SIGNATURE/ORGANIZATION: [Signature] DATE: 1/5/7 TIME: _____
 RECEIVED BY: SIGNATURE/ORGANIZATION: _____ DATE: _____ TIME: _____
 RELINQUISHED BY: SIGNATURE/ORGANIZATION: _____ DATE: _____ TIME: _____
 RECEIVED BY: SIGNATURE/ORGANIZATION: _____ DATE: _____ TIME: _____

RELINQUISHED BY: SIGNATURE/ORGANIZATION: [Signature] DATE: 1-5-07 TIME: 11:50
 RECEIVED BY: SIGNATURE/ORGANIZATION: [Signature] DATE: _____ TIME: _____
 SEAL NO. SEAL INTACT YES NO INITIALS: _____ NOTES: _____ TEMP. ON ARRIVAL: 4.3
 SEAL NO. SEAL INTACT YES NO INITIALS: _____



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C.O.C. PAGE # 3 OF 4

035739

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME BILL MOORE
 COMPANY O'BRIEN & GERE
 ADDRESS 33469 W. 14 Mile Road, Suite 150
 CITY FARMINGTON HILLS STATE MI ZIP CODE 48331
 PHONE NO. 248-661-3745 FAX NO. 248-661-4057 P.O. NO.
 E-MAIL ADDRESS moorewm@obg.com/jep12@aol.com QUOTE NO.

CONTACT NAME KEN GEMBEL SAME
 COMPANY GENERAL MOTORS, PCC CENTRAL
 ADDRESS 2000 CENTERPOINT PARKWAY, M.C. 403-520-190
 CITY PONTIAC STATE MI ZIP CODE 48341
 PHONE NO. FAX NO. P.O. NO.

PROJECT NO./NAME Saginaw Malleable Iron SAMPLER(S) - PLEASE PRINT/SIGN NAME

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
 SL-SLUDGE O-OIL A-AIR W-WASTE M-MISC

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MAY-PM	# OF BOTTLES	NOV	HCl	HNO ₃	H ₂ SO ₄	H ₂ O ₂	H ₂ CO ₃	OTHER	Containers & Preservatives	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME												
30239.25	11/17	9:40	FLR - SM6 - 01 - 037		1									
.26		10:00	FLR - CMB - 01 - 038		1									
.27		10:15	FLR - CMB - 01 - 039		1									
.28		10:20	FLR - SM6 - 01 - 040		1									
.29		11:00	FLR - SM6 - 01 - 041		1									
.30		11:20	FLR - CMB - 01 - 042		1									
.31		11:40	FLR - CMB - 01 - 043		1									
.32		11:50	FLR - MFG - 01 - 044		1									
.33		12:00	FLR - MFG - 01 - 045		1									
.34		12:25	FLR - MFG - 01 - 046		1									
.35		15:45	FLR - SRB - 01 - 050		1									
.36		16:00	FLR - SRB - 01 - 051		1									

RELINQUISHED BY: SIGNATURE/ORGANIZATION [Signature] DATE 1/5/17 TIME
 RECEIVED BY: SIGNATURE/ORGANIZATION John Messinger DATE TIME
 RELINQUISHED BY: SIGNATURE/ORGANIZATION DATE TIME
 RECEIVED BY: SIGNATURE/ORGANIZATION Arcadis DATE TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION [Signature] DATE TIME
 RECEIVED BY: SIGNATURE/ORGANIZATION Barbara Dhadrot DATE 1-5-07 TIME 11:50
 SEAL NO. SEAL INTACT YES NO INITIALS NOTES: TEMP. ON ARRIVAL 4.3
 SEAL NO. SEAL INTACT YES NO INITIALS



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C.O.C. PAGE # 4 OF 4

035740

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME **BILL MOORE**
 COMPANY **O'BRIEN & GERE**
 ADDRESS **33469 W. 14 MILE RD, SUITE 150**
 CITY **FARMINGTON HILLS** STATE **MI** ZIP CODE **48331**
 PHONE NO. **248-661-3745** FAX NO. **248-661-4057** P.O. NO.
 E-MAIL ADDRESS **moorewm@obg.com / jep12@aol.com** QUOTE NO.

CONTACT NAME **KEN GEMBEL** SAME
 COMPANY **GENERAL MOTORS, PCC CENTRAL**
 ADDRESS **2000 CENTERPOINT PARKWAY MC 483-520-190**
 CITY **PONTIAC** STATE **MI** ZIP CODE **48341**
 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

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	MAY	# OF BOTTLES	NOV	HCL	HNO3	H2SO4	HNO2	H2O2	OTHER	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME											
30239.37	1/4/7	9:30	BIT-A1										
.38	1/4/7	11:10	BIT-A2										
.39	1/4/7	12:30	BIT-A3										
.40	1/4/7	16:45	BIT-A4										
.41	1/4/7	17:50	BIT-A5										
.42	}	18:00	FLR-CMG-01-060										
.43		18:10	FLR-CMG-01-061										
.44		18:15	FLR-EAD 01-062										
.45		18:20	FLR-EAD-01-063										
.46		18:30	FLR-MFG-01-064										

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 Jun 22, 2009 16:22

Pops
 100% METALS
 (MI-10)

RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE 1/5/7 TIME	RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE 1-5-07 TIME 11:50
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE TIME	RECEIVED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE TIME	SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE TIME	SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Report ID: S30305.01(01)
Generated on 01/23/2007

Report to
Attention: Bill Moore/Jim Palmieri
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057
Email: jep12@aol.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): S30305.01-S30305.56
Project: Saginaw Malleable Iron
Collected Date: 01/08/2007 - 01/10/2007
Submitted Date/Time: 01/10/2007 15:15
Sampled by: D. Seamans/J. Pal
P.O. #: GMS07385

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Arcadis
Jun 22, 2009 16:22

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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Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Sample Summary (56 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S30305.01	OFM-CMG-O1-065	Oil	01/08/2007 14:50
S30305.02	OFM-CMG-O1-066	Oil	01/08/2007 15:05
S30305.03	OFM-CMG-O1-067	Wipe	01/08/2007 15:10
S30305.04	OFM-CMG-O1-068	Wipe	01/08/2007 15:20
S30305.05	OFM-CMG-O1-069	Wipe	01/08/2007 15:40
S30305.06	OFM-CMG-O1-070	Wipe	01/08/2007 15:55
S30305.07	OFM-CMG-O1-071	Wipe	01/08/2007 16:00
S30305.08	OFM-CMG-O1-072	Solid	01/08/2007 16:10
S30305.09	OFM-CMG-O1-073	Solid	01/08/2007 16:30
S30305.10	OFM-CMG-O1-074	Oil	01/08/2007 16:45
S30305.11	OFM-CMG-O1-075	Oil	01/08/2007 16:50
S30305.12	OFM-CMG-O1-076	Solid	01/08/2007 17:00
S30305.13	OFM-CMG-O1-077	Solid	01/08/2007 17:05
S30305.14	OFM-CMG-O1-078	Solid	01/08/2007 17:20
S30305.15	OFM-CMG-O1-079	Solid	01/08/2007 17:40
S30305.16	OFM-CMG-O1-080	Solid	01/08/2007 17:45
S30305.17	OFM-CMG-O1-081	Solid	01/08/2007 17:55
S30305.18	OFM-CMG-O1-082	Solid	01/08/2007 18:00
S30305.19	OFM-CMG-O1-083	Solid	01/08/2007 18:15
S30305.20	FLR-CMG-O1-084	Solid	01/09/2007 09:35
S30305.21	FLR-EAD-O1-085	Solid	01/09/2007 10:00
S30305.22	CTN-MFG-O1-087	Solid	01/09/2007 10:15
S30305.23	OFM-MFG-O1-088	Oil	01/09/2007 10:30
S30305.24	FLR-MFG-O1-086	Solid	01/09/2007 10:40
S30305.25	FLR-MFG-O1-089	Solid	01/09/2007 11:10
S30305.26	FLR-MFG-O1-090	Wipe	01/09/2007 11:15
S30305.27	OFM-MFG-O1-091	Oil	01/09/2007 12:00
S30305.28	PAD-YAR-O1-092	Solid	01/09/2007 12:30
S30305.29	PAD-YAR-O1-093	Solid	01/09/2007 12:45
S30305.30	FLR-MNT-O1-094	Solid	01/09/2007 13:00
S30305.31	FLR-MNT-O1-095	Solid	01/09/2007 13:20
S30305.32	OFM-MNT-O1-096	Oil	01/09/2007 13:45
S30305.33	OFM-MNT-O1-097	Wipe	01/09/2007 14:00
S30305.34	FLR-BBC-O1-098	Solid	01/09/2007 14:30
S30305.35	FLR-BBC-O1-099	Solid	01/09/2007 14:50
S30305.36	PAD-YAR-O1-100	Solid	01/09/2007 15:15
S30305.37	PAD-YAR-O1-101	Solid	01/09/2007 15:30
S30305.38	PAD-YAR-O1-102	Solid	01/09/2007 16:05
S30305.39	FLR-MFG-O1-103	Solid	01/09/2007 16:15
S30305.40	FLR-MFG-O1-104	Solid	01/09/2007 16:30
S30305.41	OFM-MFG-O1-105	Solid	01/09/2007 16:50
S30305.42	BIT-A6	Wipe	01/09/2007 09:30
S30305.43	BIT-A7	Wipe	01/09/2007 11:20
S30305.44	BIT-A8	Wipe	01/09/2007 14:55
S30305.45	DUS-CMG-02-106	Solid	01/09/2007 15:45
S30305.46	OFM-CMG-02-107	Oil	01/09/2007 16:10
S30305.47	FLR-CMG-01-108	Solid	01/09/2007 16:40
S30305.48	OFM-MFG-01-109	Wipe	01/09/2007 17:00
S30305.49	TRA-CMG-OR-002	Wipe	01/10/2007 12:10
S30305.50	TRA-SMG-OR-003	Wipe	01/10/2007 12:30
S30305.51	TRA-MFG-OR-001	Wipe	01/10/2007 12:40
S30305.52	DUS-CMG-01-110	Solid	01/10/2007 10:15
S30305.53	OVN-CMG-01-111	Wipe	01/10/2007 10:20
S30305.54	DUS-CMG-01-113	Solid	01/10/2007 10:30

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Sample Summary (continued)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S30305.55	DUS-CMG-01-114	Solid	01/10/2007 11:00
S30305.56	OVN-CMG-01-115	Wipe	01/10/2007 11:15

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Lab Sample ID: S30305.01
Sample Tag: OFM-CMG-O1-065
Collected Date/Time: 01/08/2007 14:50
Matrix: Oil
COC Reference: 035850

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:30	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 18:58	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 18:58	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 18:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 18:58	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 18:58	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 18:58	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 18:58	JANB	11096-82-5	

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Lab Sample ID: S30305.02
 Sample Tag: OFM-CMG-O1-066
 Collected Date/Time: 01/08/2007 15:05
 Matrix: Oil
 COC Reference: 035850

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:30	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 19:20	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 19:20	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 19:20	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 19:20	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 19:20	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 19:20	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 19:20	JANB	11096-82-5	

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Lab Sample ID: S30305.03
Sample Tag: OFM-CMG-O1-067
Collected Date/Time: 01/08/2007 15:10
Matrix: Wipe
COC Reference: 035850

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:30	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/17/07 13:20	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/17/07 13:20	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/17/07 13:20	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/17/07 13:20	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/17/07 13:20	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/17/07 13:20	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/17/07 13:20	JANB	11096-82-5	

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Lab Sample ID: S30305.04
Sample Tag: OFM-CMG-O1-068
Collected Date/Time: 01/08/2007 15:20
Matrix: Wipe
COC Reference: 035850

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:30	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/17/07 13:31	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/17/07 13:31	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/17/07 13:31	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/17/07 13:31	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/17/07 13:31	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/17/07 13:31	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/17/07 13:31	JANB	11096-82-5	

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Lab Sample ID: S30305.05
 Sample Tag: OFM-CMG-O1-069
 Collected Date/Time: 01/08/2007 15:40
 Matrix: Wipe
 COC Reference: 035850

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:30	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/17/07 13:42	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/17/07 13:42	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/17/07 13:42	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/17/07 13:42	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/17/07 13:42	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/17/07 13:42	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/17/07 13:42	JANB	11096-82-5	

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Lab Sample ID: S30305.06
 Sample Tag: OFM-CMG-O1-070
 Collected Date/Time: 01/08/2007 15:55
 Matrix: Wipe
 COC Reference: 035850

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:30	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/19/07 14:44	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/19/07 14:44	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/19/07 14:44	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/19/07 14:44	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/19/07 14:44	JANB	12672-29-6	
PCB-1254	1.5	ug/100cm2	1	8082	01/19/07 14:44	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/19/07 14:44	JANB	11096-82-5	

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Lab Sample ID: S30305.07
 Sample Tag: OFM-CMG-O1-071
 Collected Date/Time: 01/08/2007 16:00
 Matrix: Wipe
 COC Reference: 035850

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:30	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	30	8082	01/18/07 12:26	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	30	8082	01/18/07 12:26	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	30	8082	01/18/07 12:26	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	30	8082	01/18/07 12:26	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	30	8082	01/18/07 12:26	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	30	8082	01/18/07 12:26	JANB	11097-69-1	
PCB-1260	90	ug/100cm2	30	8082	01/18/07 12:26	JANB	11096-82-5	

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Lab Sample ID: S30305.08
 Sample Tag: OFM-CMG-O1-072
 Collected Date/Time: 01/08/2007 16:10
 Matrix: Solid
 COC Reference: 035850

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	01/16/07 15:30	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		
Metals								
Arsenic	Not detected	mg/kg	0.10	6020	01/22/07 13:37	SLS	7440-38-2	
Barium	1.6	mg/kg	1.0	6020	01/22/07 13:37	SLS	7440-39-3	
Cadmium	0.91	mg/kg	0.20	6020	01/22/07 13:37	SLS	7440-43-9	
Chromium	3.2	mg/kg	2.0	6020	01/22/07 13:37	SLS	7440-47-3	
Copper	65.7	mg/kg	1.0	6020	01/22/07 13:37	SLS	7440-50-8	
Lead	7.3	mg/kg	1.0	6020	01/22/07 13:37	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 14:35	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/22/07 13:37	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 13:37	SLS	7440-22-4	
Zinc	39.2	mg/kg	1.0	6020	01/22/07 13:37	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 19:43	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 19:43	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 19:43	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 19:43	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 19:43	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 19:43	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 19:43	JANB	11096-82-5	

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Lab Sample ID: S30305.09
 Sample Tag: OFM-CMG-O1-073
 Collected Date/Time: 01/08/2007 16:30
 Matrix: Solid
 COC Reference: 035850

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:30	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	Not detected	mg/kg	0.10	6020	01/22/07 13:23	SLS	7440-38-2	
Barium	Not detected	mg/kg	1.0	6020	01/22/07 13:23	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 13:23	SLS	7440-43-9	
Chromium	Not detected	mg/kg	2.0	6020	01/22/07 13:23	SLS	7440-47-3	
Copper	26.8	mg/kg	1.0	6020	01/22/07 13:23	SLS	7440-50-8	
Lead	2.9	mg/kg	1.0	6020	01/22/07 13:23	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 14:37	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/22/07 13:23	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 13:23	SLS	7440-22-4	
Zinc	18.9	mg/kg	1.0	6020	01/22/07 13:23	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/19/07 15:05	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/19/07 15:05	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/19/07 15:05	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/19/07 15:05	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/19/07 15:05	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/19/07 15:05	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/19/07 15:05	JANB	11096-82-5	

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

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Lab Sample ID: S30305.10
 Sample Tag: OFM-CMG-O1-074
 Collected Date/Time: 01/08/2007 16:45
 Matrix: Oil
 COC Reference: 035850

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:30	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 20:05	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 20:05	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 20:05	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 20:05	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 20:05	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 20:05	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 20:05	JANB	11096-82-5	

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 Jun 22, 2009 16:22



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30305.11
 Sample Tag: OFM-CMG-O1-075
 Collected Date/Time: 01/08/2007 16:50
 Matrix: Oil
 COC Reference: 035850

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	01/16/07 15:30	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		
Metals								
Arsenic	0.46	mg/kg	0.10	6020	01/22/07 13:26	SLS	7440-38-2	
Barium	1.3	mg/kg	1.0	6020	01/22/07 13:26	SLS	7440-39-3	
Cadmium	4.12	mg/kg	0.20	6020	01/22/07 13:26	SLS	7440-43-9	
Chromium	17.6	mg/kg	2.0	6020	01/22/07 13:26	SLS	7440-47-3	
Copper	78.9	mg/kg	1.0	6020	01/22/07 13:26	SLS	7440-50-8	
Lead	3.0	mg/kg	1.0	6020	01/22/07 13:26	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 14:39	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/22/07 13:26	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 13:26	SLS	7440-22-4	
Zinc	2,140	mg/kg	1.0	6020	01/22/07 13:34	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/19/07 15:16	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/19/07 15:16	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/19/07 15:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/19/07 15:16	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/19/07 15:16	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/19/07 15:16	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/19/07 15:16	JANB	11096-82-5	

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

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30305.12
 Sample Tag: OFM-CMG-O1-076
 Collected Date/Time: 01/08/2007 17:00
 Matrix: Solid
 COC Reference: 035850

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:30	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		

Metals

Arsenic	4.10	mg/kg	0.10	6020	01/11/07 13:55	SLS	7440-38-2	
Barium	3.2	mg/kg	1.0	6020	01/11/07 13:55	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/11/07 13:55	SLS	7440-43-9	
Chromium	280	mg/kg	2.0	6020	01/11/07 13:55	SLS	7440-47-3	
Copper	151	mg/kg	1.0	6020	01/11/07 13:55	SLS	7440-50-8	
Lead	8.8	mg/kg	1.0	6020	01/11/07 13:55	SLS	7439-92-1	
Mercury	0.063	mg/kg	0.050	7471A	01/11/07 14:44	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/11/07 13:55	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/11/07 13:55	SLS	7440-22-4	
Zinc	320	mg/kg	1.0	6020	01/11/07 13:55	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 14:02	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 14:02	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 14:02	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 14:02	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 14:02	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 14:02	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 14:02	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30305.13
 Sample Tag: OFM-CMG-O1-077
 Collected Date/Time: 01/08/2007 17:05
 Matrix: Solid
 COC Reference: 035851

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	01/16/07 15:30	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/11/07 12:00	SLS		
Metals								
Arsenic	0.26	mg/kg	0.10	6020	01/11/07 13:58	SLS	7440-38-2	
Barium	2.3	mg/kg	1.0	6020	01/11/07 13:58	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/11/07 13:58	SLS	7440-43-9	
Chromium	18.0	mg/kg	2.0	6020	01/11/07 13:58	SLS	7440-47-3	
Copper	616	mg/kg	1.0	6020	01/11/07 13:58	SLS	7440-50-8	
Lead	11.5	mg/kg	1.0	6020	01/11/07 13:58	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 14:41	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/11/07 13:58	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/11/07 13:58	SLS	7440-22-4	
Zinc	54.6	mg/kg	1.0	6020	01/11/07 13:58	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/19/07 16:08	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/19/07 16:08	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/19/07 16:08	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/19/07 16:08	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/19/07 16:08	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/19/07 16:08	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/19/07 16:08	JANB	11096-82-5	

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

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Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30305.14
 Sample Tag: OFM-CMG-O1-078
 Collected Date/Time: 01/08/2007 17:20
 Matrix: Solid
 COC Reference: 035851

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:30	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	0.72	mg/kg	0.10	6020	01/22/07 13:19	SLS	7440-38-2	
Barium	2.2	mg/kg	1.0	6020	01/22/07 13:19	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 13:19	SLS	7440-43-9	
Chromium	38.4	mg/kg	2.0	6020	01/22/07 13:19	SLS	7440-47-3	
Copper	44.6	mg/kg	1.0	6020	01/22/07 13:19	SLS	7440-50-8	
Lead	2.4	mg/kg	1.0	6020	01/22/07 13:19	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 14:43	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/22/07 13:19	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 13:19	SLS	7440-22-4	
Zinc	44.4	mg/kg	1.0	6020	01/22/07 13:19	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/19/07 12:32	JANB	12674-11-2	
PCB-1242	1,400	ug/kg	1,000	8082	01/19/07 12:32	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/19/07 12:32	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/19/07 12:32	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/19/07 12:32	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/19/07 12:32	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/19/07 12:32	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30305.15
 Sample Tag: OFM-CMG-O1-079
 Collected Date/Time: 01/08/2007 17:40
 Matrix: Solid
 COC Reference: 035851

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:30	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	8.95	mg/kg	0.10	6020	01/22/07 13:40	SLS	7440-38-2	
Barium	Not detected	mg/kg	1.0	6020	01/22/07 13:40	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 13:40	SLS	7440-43-9	
Chromium	410	mg/kg	2.0	6020	01/22/07 13:40	SLS	7440-47-3	
Copper	311	mg/kg	1.0	6020	01/22/07 13:40	SLS	7440-50-8	
Lead	9.8	mg/kg	1.0	6020	01/22/07 13:40	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 15:04	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/22/07 13:40	SLS	7782-49-2	
Silver	0.11	mg/kg	0.10	6020	01/22/07 13:40	SLS	7440-22-4	
Zinc	386	mg/kg	1.0	6020	01/22/07 13:40	SLS	7440-66-6	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 16:44	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 16:44	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 16:44	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 16:44	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 16:44	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 16:44	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 16:44	JANB	11096-82-5	

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



Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30305.16
 Sample Tag: OFM-CMG-O1-080
 Collected Date/Time: 01/08/2007 17:45
 Matrix: Solid
 COC Reference: 035851

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	11.0	mg/kg	0.10	6020	01/22/07 13:53	SLS	7440-38-2	
Barium	2.6	mg/kg	1.0	6020	01/22/07 13:53	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 13:53	SLS	7440-43-9	
Chromium	590	mg/kg	2.0	6020	01/22/07 15:00	SLS	7440-47-3	
Copper	452	mg/kg	1.0	6020	01/22/07 15:00	SLS	7440-50-8	
Lead	4.0	mg/kg	1.0	6020	01/22/07 13:53	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 15:06	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/22/07 13:53	SLS	7782-49-2	
Silver	0.16	mg/kg	0.10	6020	01/22/07 13:53	SLS	7440-22-4	
Zinc	378	mg/kg	1.0	6020	01/22/07 15:00	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/19/07 13:39	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/19/07 13:39	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/19/07 13:39	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/19/07 13:39	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/19/07 13:39	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/19/07 13:39	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/19/07 13:39	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30305.17
 Sample Tag: OFM-CMG-O1-081
 Collected Date/Time: 01/08/2007 17:55
 Matrix: Solid
 COC Reference: 035851

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	1.00	mg/kg	0.10	6020	01/22/07 13:43	SLS	7440-38-2	
Barium	1.6	mg/kg	1.0	6020	01/22/07 13:43	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 13:43	SLS	7440-43-9	
Chromium	56.5	mg/kg	2.0	6020	01/22/07 13:43	SLS	7440-47-3	
Copper	44.2	mg/kg	1.0	6020	01/22/07 13:43	SLS	7440-50-8	
Lead	4.1	mg/kg	1.0	6020	01/22/07 13:43	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 15:08	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/22/07 13:43	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 13:43	SLS	7440-22-4	
Zinc	383	mg/kg	1.0	6020	01/22/07 13:43	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 17:40	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 17:40	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 17:40	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 17:40	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 17:40	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 17:40	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 17:40	JANB	11096-82-5	

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

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Jun 22, 2009 16:22

Lab Sample ID: S30305.18
 Sample Tag: OFM-CMG-O1-082
 Collected Date/Time: 01/08/2007 18:00
 Matrix: Solid
 COC Reference: 035851

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	0.64	mg/kg	0.10	6020	01/22/07 13:47	SLS	7440-38-2	
Barium	Not detected	mg/kg	1.0	6020	01/22/07 13:47	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 13:47	SLS	7440-43-9	
Chromium	41.2	mg/kg	2.0	6020	01/22/07 13:47	SLS	7440-47-3	
Copper	28.6	mg/kg	1.0	6020	01/22/07 13:47	SLS	7440-50-8	
Lead	Not detected	mg/kg	1.0	6020	01/22/07 13:47	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 15:09	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/22/07 13:47	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 13:47	SLS	7440-22-4	
Zinc	269	mg/kg	1.0	6020	01/22/07 13:47	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/19/07 15:26	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/19/07 15:26	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/19/07 15:26	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/19/07 15:26	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/19/07 15:26	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/19/07 15:26	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/19/07 15:26	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30305.19
 Sample Tag: OFM-CMG-O1-083
 Collected Date/Time: 01/08/2007 18:15
 Matrix: Solid
 COC Reference: 035851

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	1.26	mg/kg	0.10	6020	01/22/07 13:50	SLS	7440-38-2	
Barium	1.5	mg/kg	1.0	6020	01/22/07 13:50	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 13:50	SLS	7440-43-9	
Chromium	74.9	mg/kg	2.0	6020	01/22/07 13:50	SLS	7440-47-3	
Copper	57.0	mg/kg	1.0	6020	01/22/07 13:50	SLS	7440-50-8	
Lead	Not detected	mg/kg	1.0	6020	01/22/07 13:50	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 15:11	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/22/07 13:50	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 13:50	SLS	7440-22-4	
Zinc	435	mg/kg	1.0	6020	01/22/07 13:50	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/19/07 15:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/19/07 15:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/19/07 15:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/19/07 15:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/19/07 15:37	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/19/07 15:37	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/19/07 15:37	JANB	11096-82-5	

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Lab Sample ID: S30305.20
 Sample Tag: FLR-CMG-O1-084
 Collected Date/Time: 01/09/2007 09:35
 Matrix: Solid
 COC Reference: 035851

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/17/07 11:00	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/17/07 11:00	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/17/07 11:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/17/07 11:00	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/17/07 11:00	JANB	12672-29-6	
PCB-1254	6,400	ug/kg	1,000	8082	01/17/07 11:00	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/17/07 11:00	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30305.21
 Sample Tag: FLR-EAD-O1-085
 Collected Date/Time: 01/09/2007 10:00
 Matrix: Solid
 COC Reference: 035851

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/16/07 22:27	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/16/07 22:27	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/16/07 22:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/16/07 22:27	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/16/07 22:27	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/16/07 22:27	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/16/07 22:27	JANB	11096-82-5	

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Lab Sample ID: S30305.22
 Sample Tag: CTN-MFG-O1-087
 Collected Date/Time: 01/09/2007 10:15
 Matrix: Solid
 COC Reference: 035851

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/16/07 22:05	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/16/07 22:05	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/16/07 22:05	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/16/07 22:05	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/16/07 22:05	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/16/07 22:05	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/16/07 22:05	JANB	11096-82-5	

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Lab Sample ID: S30305.23
 Sample Tag: OFM-MFG-O1-088
 Collected Date/Time: 01/09/2007 10:30
 Matrix: Oil
 COC Reference: 035851

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/19/07 14:16	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/19/07 14:16	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/19/07 14:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/19/07 14:16	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/19/07 14:16	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/19/07 14:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/19/07 14:16	JANB	11096-82-5	

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Lab Sample ID: S30305.24
 Sample Tag: FLR-MFG-O1-086
 Collected Date/Time: 01/09/2007 10:40
 Matrix: Solid
 COC Reference: 035851

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/16/07 22:38	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/16/07 22:38	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/16/07 22:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/16/07 22:38	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/16/07 22:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/16/07 22:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/16/07 22:38	JANB	11096-82-5	

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Lab Sample ID: S30305.25
Sample Tag: FLR-MFG-01-089
Collected Date/Time: 01/09/2007 11:10
Matrix: Solid
COC Reference: 035853

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	2,000	8082	01/17/07 11:47	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	2,000	8082	01/17/07 11:47	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	2,000	8082	01/17/07 11:47	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	2,000	8082	01/17/07 11:47	JANB	11141-16-5	
PCB-1248	18,000	ug/kg	2,000	8082	01/17/07 11:47	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	2,000	8082	01/17/07 11:47	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	2,000	8082	01/17/07 11:47	JANB	11096-82-5	

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Lab Sample ID: S30305.26
 Sample Tag: FLR-MFG-O1-090
 Collected Date/Time: 01/09/2007 11:15
 Matrix: Wipe
 COC Reference: 035853

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides**PCB Swab List**

PCB-1016	Not detected	ug/100cm2	1	8082	01/18/07 15:07	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/18/07 15:07	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/18/07 15:07	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/18/07 15:07	JANB	53469-21-9	
PCB-1248	2	ug/100cm2	1	8082	01/18/07 15:07	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/18/07 15:07	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/18/07 15:07	JANB	11096-82-5	

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Lab Sample ID: S30305.27
 Sample Tag: OFM-MFG-O1-091
 Collected Date/Time: 01/09/2007 12:00
 Matrix: Oil
 COC Reference: 035853

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 20:51	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 20:51	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 20:51	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 20:51	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 20:51	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 20:51	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 20:51	JANB	11096-82-5	

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Lab Sample ID: S30305.28
 Sample Tag: PAD-YAR-O1-092
 Collected Date/Time: 01/09/2007 12:30
 Matrix: Solid
 COC Reference: 035853

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/16/07 22:50	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/16/07 22:50	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/16/07 22:50	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/16/07 22:50	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/16/07 22:50	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/16/07 22:50	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/16/07 22:50	JANB	11096-82-5	

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Lab Sample ID: S30305.29
 Sample Tag: PAD-YAR-O1-093
 Collected Date/Time: 01/09/2007 12:45
 Matrix: Solid
 COC Reference: 035853

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/16/07 23:01	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/16/07 23:01	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/16/07 23:01	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/16/07 23:01	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/16/07 23:01	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/16/07 23:01	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/16/07 23:01	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30305.30
 Sample Tag: FLR-MNT-01-094
 Collected Date/Time: 01/09/2007 13:00
 Matrix: Solid
 COC Reference: 035853

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	01/16/07 15:31	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		
Metals								
Arsenic	14.7	mg/kg	0.10	6020	01/22/07 15:07	SLS	7440-38-2	
Barium	164	mg/kg	1.0	6020	01/22/07 15:07	SLS	7440-39-3	
Cadmium	0.38	mg/kg	0.20	6020	01/22/07 15:07	SLS	7440-43-9	
Chromium	8.9	mg/kg	2.0	6020	01/22/07 15:07	SLS	7440-47-3	
Copper	31.2	mg/kg	1.0	6020	01/22/07 15:07	SLS	7440-50-8	
Lead	145	mg/kg	1.0	6020	01/22/07 15:07	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 15:13	JRT	7439-97-6	
Selenium	0.59	mg/kg	0.20	6020	01/22/07 15:07	SLS	7782-49-2	
Silver	0.16	mg/kg	0.10	6020	01/22/07 15:07	SLS	7440-22-4	
Zinc	62.2	mg/kg	1.0	6020	01/22/07 15:07	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 13:17	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 13:17	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 13:17	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 13:17	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 13:17	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 13:17	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 13:17	JANB	11096-82-5	

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



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Lab Sample ID: S30305.31
 Sample Tag: FLR-MNT-O1-095
 Collected Date/Time: 01/09/2007 13:20
 Matrix: Solid
 COC Reference: 035853

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/17/07 14:05	JANB	12674-11-2	
PCB-1242	4,000	ug/kg	1,000	8082	01/17/07 14:05	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/17/07 14:05	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/17/07 14:05	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/17/07 14:05	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/17/07 14:05	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/17/07 14:05	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30305.32
Sample Tag: OFM-MNT-O1-096
Collected Date/Time: 01/09/2007 13:45
Matrix: Oil
COC Reference: 035853

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 21:13	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 21:13	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 21:13	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 21:13	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 21:13	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 21:13	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 21:13	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30305.33
Sample Tag: OFM-MNT-O1-097
Collected Date/Time: 01/09/2007 14:00
Matrix: Wipe
COC Reference: 035853

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/19/07 18:36	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/19/07 18:36	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/19/07 18:36	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/19/07 18:36	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/19/07 18:36	JANB	12672-29-6	
PCB-1254	1.5	ug/100cm2	1	8082	01/19/07 18:36	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/19/07 18:36	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30305.34
 Sample Tag: FLR-BBC-O1-098
 Collected Date/Time: 01/09/2007 14:30
 Matrix: Solid
 COC Reference: 035853

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	01/16/07 15:31	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		
Metals								
Arsenic	2.15	mg/kg	0.10	6020	01/22/07 15:14	SLS	7440-38-2	
Barium	22.5	mg/kg	1.0	6020	01/22/07 15:14	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 15:14	SLS	7440-43-9	
Chromium	7.4	mg/kg	2.0	6020	01/22/07 15:14	SLS	7440-47-3	
Copper	11.6	mg/kg	1.0	6020	01/22/07 15:14	SLS	7440-50-8	
Lead	4.3	mg/kg	1.0	6020	01/22/07 15:14	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 15:15	JRT	7439-97-6	
Selenium	0.79	mg/kg	0.20	6020	01/22/07 15:14	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 15:14	SLS	7440-22-4	
Zinc	15.5	mg/kg	1.0	6020	01/22/07 15:14	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/16/07 23:12	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/16/07 23:12	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/16/07 23:12	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/16/07 23:12	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/16/07 23:12	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/16/07 23:12	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/16/07 23:12	JANB	11096-82-5	

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Arcadis

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Lab Sample ID: S30305.35
 Sample Tag: FLR-BBC-O1-099
 Collected Date/Time: 01/09/2007 14:50
 Matrix: Solid
 COC Reference: 035853

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:31	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	2.68	mg/kg	0.10	6020	01/22/07 15:17	SLS	7440-38-2	
Barium	27.1	mg/kg	1.0	6020	01/22/07 15:17	SLS	7440-39-3	
Cadmium	0.42	mg/kg	0.20	6020	01/22/07 15:17	SLS	7440-43-9	
Chromium	7.1	mg/kg	2.0	6020	01/22/07 15:17	SLS	7440-47-3	
Copper	8.7	mg/kg	1.0	6020	01/22/07 15:17	SLS	7440-50-8	
Lead	2.9	mg/kg	1.0	6020	01/22/07 15:17	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 15:17	JRT	7439-97-6	
Selenium	0.41	mg/kg	0.20	6020	01/22/07 15:17	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 15:17	SLS	7440-22-4	
Zinc	21.4	mg/kg	1.0	6020	01/22/07 15:17	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/17/07 14:48	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/17/07 14:48	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/17/07 14:48	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/17/07 14:48	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/17/07 14:48	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/17/07 14:48	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/17/07 14:48	JANB	11096-82-5	

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Lab Sample ID: S30305.36
 Sample Tag: PAD-YAR-O1-100
 Collected Date/Time: 01/09/2007 15:15
 Matrix: Solid
 COC Reference: 035853

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	2.00	mg/kg	0.10	6020	01/22/07 15:20	SLS	7440-38-2	
Barium	27.3	mg/kg	1.0	6020	01/22/07 15:20	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 15:20	SLS	7440-43-9	
Chromium	5.1	mg/kg	2.0	6020	01/22/07 15:20	SLS	7440-47-3	
Copper	4.5	mg/kg	1.0	6020	01/22/07 15:20	SLS	7440-50-8	
Lead	3.1	mg/kg	1.0	6020	01/22/07 15:20	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 15:19	JRT	7439-97-6	
Selenium	0.36	mg/kg	0.20	6020	01/22/07 15:20	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 15:20	SLS	7440-22-4	
Zinc	9.1	mg/kg	1.0	6020	01/22/07 15:20	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/17/07 14:59	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/17/07 14:59	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/17/07 14:59	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/17/07 14:59	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/17/07 14:59	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/17/07 14:59	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/17/07 14:59	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30305.37
 Sample Tag: PAD-YAR-O1-101
 Collected Date/Time: 01/09/2007 15:30
 Matrix: Solid
 COC Reference: 035854

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
Mercury Digestion	Completed			7471A	01/11/07 10:30	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	3.31	mg/kg	0.10	6020	01/22/07 15:24	SLS	7440-38-2	
Barium	34.6	mg/kg	1.0	6020	01/22/07 15:24	SLS	7440-39-3	
Cadmium	0.25	mg/kg	0.20	6020	01/22/07 15:24	SLS	7440-43-9	
Chromium	9.5	mg/kg	2.0	6020	01/22/07 15:24	SLS	7440-47-3	
Copper	9.0	mg/kg	1.0	6020	01/22/07 15:24	SLS	7440-50-8	
Lead	7.1	mg/kg	1.0	6020	01/22/07 15:24	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/11/07 15:20	JRT	7439-97-6	
Selenium	0.43	mg/kg	0.20	6020	01/22/07 15:24	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 15:24	SLS	7440-22-4	
Zinc	39.1	mg/kg	1.0	6020	01/22/07 15:24	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/17/07 12:24	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/17/07 12:24	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/17/07 12:24	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/17/07 12:24	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/17/07 12:24	JANB	12672-29-6	
PCB-1254	2,000	ug/kg	1,000	8082	01/17/07 12:24	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/17/07 12:24	JANB	11096-82-5	

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Lab Sample ID: S30305.38
 Sample Tag: PAD-YAR-O1-102
 Collected Date/Time: 01/09/2007 16:05
 Matrix: Solid
 COC Reference: 035854

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
Mercury Digestion	Completed			7471A	01/16/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	2.46	mg/kg	0.10	6020	01/22/07 15:27	SLS	7440-38-2	
Barium	53.1	mg/kg	1.0	6020	01/22/07 15:27	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 15:27	SLS	7440-43-9	
Chromium	9.8	mg/kg	2.0	6020	01/22/07 15:27	SLS	7440-47-3	
Copper	8.0	mg/kg	1.0	6020	01/22/07 15:27	SLS	7440-50-8	
Lead	15.7	mg/kg	1.0	6020	01/22/07 15:27	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/16/07 15:50	JRT	7439-97-6	
Selenium	0.40	mg/kg	0.20	6020	01/22/07 15:27	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 15:27	SLS	7440-22-4	
Zinc	38.9	mg/kg	1.0	6020	01/22/07 15:27	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 13:28	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 13:28	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 13:28	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 13:28	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 13:28	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 13:28	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 13:28	JANB	11096-82-5	

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



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Lab Sample ID: S30305.39
 Sample Tag: FLR-MFG-O1-103
 Collected Date/Time: 01/09/2007 16:15
 Matrix: Solid
 COC Reference: 035854

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	01/16/07 15:36	JAC		
Mercury Digestion	Completed			7471A	01/16/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		
Metals								
Arsenic	2.10	mg/kg	0.10	6020	01/22/07 15:30	SLS	7440-38-2	
Barium	31.6	mg/kg	1.0	6020	01/22/07 15:30	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 15:30	SLS	7440-43-9	
Chromium	10.3	mg/kg	2.0	6020	01/22/07 15:30	SLS	7440-47-3	
Copper	12.4	mg/kg	1.0	6020	01/22/07 15:30	SLS	7440-50-8	
Lead	13.7	mg/kg	1.0	6020	01/22/07 15:30	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/16/07 15:52	JRT	7439-97-6	
Selenium	0.34	mg/kg	0.20	6020	01/22/07 15:30	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 15:30	SLS	7440-22-4	
Zinc	54.5	mg/kg	1.0	6020	01/22/07 15:30	SLS	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 14:13	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 14:13	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 14:13	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 14:13	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 14:13	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 14:13	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 14:13	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30305.40
 Sample Tag: FLR-MFG-01-104
 Collected Date/Time: 01/09/2007 16:30
 Matrix: Solid
 COC Reference: 035854

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
Mercury Digestion	Completed			7471A	01/16/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	2.81	mg/kg	0.10	6020	01/22/07 15:33	SLS	7440-38-2	
Barium	37.3	mg/kg	1.0	6020	01/22/07 15:33	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 15:33	SLS	7440-43-9	
Chromium	7.1	mg/kg	2.0	6020	01/22/07 15:33	SLS	7440-47-3	
Copper	6.1	mg/kg	1.0	6020	01/22/07 15:33	SLS	7440-50-8	
Lead	5.0	mg/kg	1.0	6020	01/22/07 15:33	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/16/07 15:54	JRT	7439-97-6	
Selenium	0.38	mg/kg	0.20	6020	01/22/07 15:33	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 15:33	SLS	7440-22-4	
Zinc	12.5	mg/kg	1.0	6020	01/22/07 15:33	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/17/07 12:36	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/17/07 12:36	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/17/07 12:36	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/17/07 12:36	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/17/07 12:36	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/17/07 12:36	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/17/07 12:36	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30305.41
 Sample Tag: OFM-MFG-01-105
 Collected Date/Time: 01/09/2007 16:50
 Matrix: Solid
 COC Reference: 035854

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
Mercury Digestion	Completed			7471A	01/16/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	5.13	mg/kg	0.10	6020	01/22/07 15:37	SLS	7440-38-2	
Barium	107	mg/kg	1.0	6020	01/22/07 15:37	SLS	7440-39-3	
Cadmium	5.44	mg/kg	0.20	6020	01/22/07 15:37	SLS	7440-43-9	
Chromium	78.4	mg/kg	2.0	6020	01/22/07 15:37	SLS	7440-47-3	
Copper	214	mg/kg	1.0	6020	01/22/07 15:37	SLS	7440-50-8	
Lead	403	mg/kg	1.0	6020	01/22/07 15:37	SLS	7439-92-1	
Mercury	0.357	mg/kg	0.050	7471A	01/16/07 15:55	JRT	7439-97-6	
Selenium	0.38	mg/kg	0.20	6020	01/22/07 15:37	SLS	7782-49-2	
Silver	0.26	mg/kg	0.10	6020	01/22/07 15:37	SLS	7440-22-4	
Zinc	910	mg/kg	1.0	6020	01/22/07 15:37	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/19/07 17:01	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/19/07 17:01	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/19/07 17:01	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/19/07 17:01	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/19/07 17:01	JANB	12672-29-6	J
PCB-1254	Not detected	ug/kg	1,000	8082	01/19/07 17:01	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/19/07 17:01	JANB	11096-82-5	

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



Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30305.42
 Sample Tag: BIT-A6
 Collected Date/Time: 01/09/2007 09:30
 Matrix: Wipe
 COC Reference: 035854

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/17/07 15:33	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/17/07 15:33	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/17/07 15:33	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/17/07 15:33	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/17/07 15:33	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/17/07 15:33	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/17/07 15:33	JANB	11096-82-5	

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Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30305.43
 Sample Tag: BIT-A7
 Collected Date/Time: 01/09/2007 11:20
 Matrix: Wipe
 COC Reference: 035854

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/17/07 15:44	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/17/07 15:44	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/17/07 15:44	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/17/07 15:44	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/17/07 15:44	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/17/07 15:44	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/17/07 15:44	JANB	11096-82-5	

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Lab Sample ID: S30305.44
 Sample Tag: BIT-A8
 Collected Date/Time: 01/09/2007 14:55
 Matrix: Wipe
 COC Reference: 035854

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/17/07 15:55	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/17/07 15:55	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/17/07 15:55	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/17/07 15:55	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/17/07 15:55	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/17/07 15:55	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/17/07 15:55	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30305.45
 Sample Tag: DUS-CMG-02-106
 Collected Date/Time: 01/09/2007 15:45
 Matrix: Solid
 COC Reference: 035854

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
Mercury Digestion	Completed			7471A	01/16/07 12:00	JRT		
Metal Digestion	Completed			3050B	01/22/07 12:00	SLS		

Metals

Arsenic	1.47	mg/kg	0.10	6020	01/22/07 15:40	SLS	7440-38-2	
Barium	9.6	mg/kg	1.0	6020	01/22/07 15:40	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/22/07 15:40	SLS	7440-43-9	
Chromium	10.5	mg/kg	2.0	6020	01/22/07 15:40	SLS	7440-47-3	
Copper	19.4	mg/kg	1.0	6020	01/22/07 15:40	SLS	7440-50-8	
Lead	1.2	mg/kg	1.0	6020	01/22/07 15:40	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/16/07 15:57	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/22/07 15:40	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/22/07 15:40	SLS	7440-22-4	
Zinc	9.7	mg/kg	1.0	6020	01/22/07 15:40	SLS	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/17/07 15:10	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/17/07 15:10	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/17/07 15:10	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/17/07 15:10	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/17/07 15:10	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/17/07 15:10	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/17/07 15:10	JANB	11096-82-5	

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Lab Sample ID: S30305.46
 Sample Tag: OFM-CMG-02-107
 Collected Date/Time: 01/09/2007 16:10
 Matrix: Oil
 COC Reference: 035854

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 17:51	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 17:51	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 17:51	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 17:51	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 17:51	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/18/07 17:51	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 17:51	JANB	11096-82-5	

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Lab Sample ID: S30305.47
 Sample Tag: FLR-CMG-01-108
 Collected Date/Time: 01/09/2007 16:40
 Matrix: Solid
 COC Reference: 035854

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/18/07 12:42	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/18/07 12:42	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/18/07 12:42	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/18/07 12:42	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/18/07 12:42	JANB	12672-29-6	
PCB-1254	2,000	ug/kg	1,000	8082	01/18/07 12:42	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/18/07 12:42	JANB	11096-82-5	

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Lab Sample ID: S30305.48
Sample Tag: OFM-MFG-01-109
Collected Date/Time: 01/09/2007 17:00
Matrix: Wipe
COC Reference: 035854

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/19/07 14:55	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/19/07 14:55	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/19/07 14:55	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/19/07 14:55	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/19/07 14:55	JANB	12672-29-6	
PCB-1254	1.2	ug/100cm2	1	8082	01/19/07 14:55	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/19/07 14:55	JANB	11096-82-5	

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Lab Sample ID: S30305.49
 Sample Tag: TRA-CMG-OR-002
 Collected Date/Time: 01/10/2007 12:10
 Matrix: Wipe
 COC Reference: 035855

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/17/07 16:06	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/17/07 16:06	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/17/07 16:06	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/17/07 16:06	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/17/07 16:06	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/17/07 16:06	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/17/07 16:06	JANB	11096-82-5	

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Lab Sample ID: S30305.50
 Sample Tag: TRA-SMG-OR-003
 Collected Date/Time: 01/10/2007 12:30
 Matrix: Wipe
 COC Reference: 035855

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	6	8082	01/18/07 12:01	JANB	12674-11-2	Y
PCB-1221	Not detected	ug/100cm2	6	8082	01/18/07 12:01	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/100cm2	6	8082	01/18/07 12:01	JANB	11141-16-5	Y
PCB-1242	48	ug/100cm2	6	8082	01/18/07 12:01	JANB	53469-21-9	Y
PCB-1248	Not detected	ug/100cm2	6	8082	01/18/07 12:01	JANB	12672-29-6	Y
PCB-1254	Not detected	ug/100cm2	6	8082	01/18/07 12:01	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/100cm2	6	8082	01/18/07 12:01	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Jun 22, 2009 16:22

Lab Sample ID: S30305.51
 Sample Tag: TRA-MFG-OR-001
 Collected Date/Time: 01/10/2007 12:40
 Matrix: Wipe
 COC Reference: 035855

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	5	8082	01/18/07 12:14	JANB	12674-11-2	Y
PCB-1221	Not detected	ug/100cm2	5	8082	01/18/07 12:14	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/100cm2	5	8082	01/18/07 12:14	JANB	11141-16-5	Y
PCB-1242	Not detected	ug/100cm2	5	8082	01/18/07 12:14	JANB	53469-21-9	Y
PCB-1248	80	ug/100cm2	5	8082	01/18/07 12:14	JANB	12672-29-6	Y
PCB-1254	Not detected	ug/100cm2	5	8082	01/18/07 12:14	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/100cm2	5	8082	01/18/07 12:14	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Jun 22, 2009 16:22

Lab Sample ID: S30305.52
 Sample Tag: DUS-CMG-01-110
 Collected Date/Time: 01/10/2007 10:15
 Matrix: Solid
 COC Reference: 035855

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	50,000	8082	01/18/07 10:55	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	50,000	8082	01/18/07 10:55	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	50,000	8082	01/18/07 10:55	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	50,000	8082	01/18/07 10:55	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	50,000	8082	01/18/07 10:55	JANB	12672-29-6	
PCB-1254	300,000	ug/kg	50,000	8082	01/18/07 10:55	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	50,000	8082	01/18/07 10:55	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30305.53
 Sample Tag: OVN-CMG-01-111
 Collected Date/Time: 01/10/2007 10:20
 Matrix: Wipe
 COC Reference: 035855

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	3	8082	01/18/07 12:13	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	3	8082	01/18/07 12:13	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	3	8082	01/18/07 12:13	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	3	8082	01/18/07 12:13	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	3	8082	01/18/07 12:13	JANB	12672-29-6	
PCB-1254	12	ug/100cm2	3	8082	01/18/07 12:13	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	3	8082	01/18/07 12:13	JANB	11096-82-5	

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Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30305.54
 Sample Tag: DUS-CMG-01-113
 Collected Date/Time: 01/10/2007 10:30
 Matrix: Solid
 COC Reference: 035855

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
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Extraction / Prep.

Extraction, PCB	Completed			3550B	01/16/07 15:36	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	5,000	8082	01/18/07 11:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	5,000	8082	01/18/07 11:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	5,000	8082	01/18/07 11:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	5,000	8082	01/18/07 11:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	5,000	8082	01/18/07 11:37	JANB	12672-29-6	
PCB-1254	45,000	ug/kg	5,000	8082	01/18/07 11:37	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	5,000	8082	01/18/07 11:37	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30305.55
 Sample Tag: DUS-CMG-01-114
 Collected Date/Time: 01/10/2007 11:00
 Matrix: Solid
 COC Reference: 035855

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	01/16/07 15:36	JAC		
-----------------	-----------	--	--	-------	----------------	-----	--	--

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	50,000	8082	01/18/07 11:06	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	50,000	8082	01/18/07 11:06	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	50,000	8082	01/18/07 11:06	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	50,000	8082	01/18/07 11:06	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	50,000	8082	01/18/07 11:06	JANB	12672-29-6	
PCB-1254	150,000	ug/kg	50,000	8082	01/18/07 11:06	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	50,000	8082	01/18/07 11:06	JANB	11096-82-5	

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Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30305.56
 Sample Tag: OVN-CMG-01-115
 Collected Date/Time: 01/10/2007 11:15
 Matrix: Wipe
 COC Reference: 035855

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	01/16/07 15:36	JAC		
-----------------	-----------	--	--	-------	----------------	-----	--	--

Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/17/07 14:16	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/17/07 14:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/17/07 14:16	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/17/07 14:16	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/17/07 14:16	JANB	12672-29-6	
PCB-1254	3	ug/100cm2	1	8082	01/17/07 14:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/17/07 14:16	JANB	11096-82-5	

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C.O.C. PAGE # 1 OF 5

035850

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GERR**
 ADDRESS: **33469 W. 14 Mile Trd, Suite 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE: **48331**
 PHONE NO.: **248-661-3745** FAX NO.: **248-661-4057**
 E-MAIL ADDRESS: **moorewm@obg.com / jep12@aol.com**

CONTACT NAME: **KEN GEMBEL** SAME
 COMPANY: **GENERAL MOTORS, P.O. CENTRAL**
 ADDRESS: **2000 CENTER POINT PARKWAY, MC 483-520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO.: _____ FAX NO.: _____ P.O. NO.: _____

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME: **Saginaw Malleable Iron** SAMPLER(S) - PLEASE PRINT/SIGN NAME: **Jim Palmeri / Dave Seaman**
 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

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATERIAL	# OF BOTTLES	NO.	HCl	HNO ₃	H ₂ SO ₄	HF	HClO ₄	OTHER	CONTAINERS & PRESERVATIVES	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME												
30205.01	1/8/7	14:50	OFM-CMG-01-065	M	1									Broad #10,11
.02		15:05	OFM-CMG-01-066	M	1									BROAD # 7,8,11
.03		15:10	OFM-CMG-01-067	M	1									Mag Inspection 272385
.04		15:20	OFM-CMG-01-068	M	1									LSPD 2 Process Blt 272409
.05		15:40	OFM-CMG-01-069	M	1									LSPD 1 Process Blt 272074
.06		15:55	OFM-CMG-01-070	M	1									VERSON-AMC PRESS
.07		16:00	OFM-CMG-01-071	M	1									HPIV PRESS
.08		16:10	OFM-CMG-01-072	SD	1									VERSON-PONTIAC PRESS
.09		16:30	OFM-CMG-01-073	SD	1									VERSON-BLICK PRESS
.10		16:45	OFM-CMG-01-074	O	1									272541, 272543, 272036 PAN&BONN HYD OIL
.11		16:50	OFM-CMG-01-075	O	1									" " " "
.12		17:00	OFM-CMG-01-076	SD	1									#24 BLAST 272531

RELINQUISHED BY: *[Signature]* DATE: **1/10/7** TIME: _____
 RECEIVED BY: *[Signature]* DATE: **1-10-07** TIME: **15:15**
 RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RECEIVED BY: **John Messinger** DATE: _____ TIME: _____

RELINQUISHED BY: *[Signature]* DATE: **1-10-07** TIME: **15:15**
 RECEIVED BY: **Bartaud Richardson** DATE: **1-10-07** TIME: **15:15**
 SEAL NO. _____ SEAL INTACT YES NO INITIALS _____ NOTES: _____ TEMP. ON ARRIVAL: **44**
 SEAL NO. _____ SEAL INTACT YES NO INITIALS _____

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P.O.B.
 SPECIAL METALS
 (CMT-10)



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C.O.C. PAGE # 2 OF 5

035851

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GERE**
 ADDRESS: **33469 W. 14 MILE RD, SUITE 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE: **48331**
 PHONE NO.: **248-661-3745** FAX NO.: **248-661-4057**
 E-MAIL ADDRESS: **moorewm@obg.com / jep12@aol.com**

CONTACT NAME: **KEN GEMBEL** SAME
 COMPANY: **GENERAL MOTORS, PCC CENTRAL**
 ADDRESS: **2000 CENTERPOINT PARKWAY, MC. 483520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO. FAX NO. P.O. NO.

PROJECT NO./NAME: **SAGINAW MALLEABLE IRON**
 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	MAY/PAK	# OF BOTTLES	NOV	HCL	HNO3	H2SO4	HNOH	H2O2	OTHER	ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)		SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME											✓	✓	
30305.13	1/8/7	17:05	OFM - CMB-01-077	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	# 23 BLAST 272533 ✓
.14		17:20	OFM - CMB-01-078	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	# 22 BLAST 272534 ✓
.15		17:40	OFM - CMB-01-079	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	# 19 BLAST 272540 ✓
.16		17:45	OFM - CMB-01-080	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	# 20 BLAST 272537 ✓
.17		17:55	OFM - CMB-01-081	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	# 18 BLAST 272055 ✓
.18		18:00	OFM - CMB-01-082	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	# 17 BLAST 272082 ✓
.19		18:15	OFM - CMB-01-083	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	# 16 BLAST 272053 ✓
.20	1/1/7	9:35	FLR - CMB-01-084	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	TUNNEL TO LOCKER ROOM ✓
.21		10:00	FLR - EAD-01-085	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	OLD RIVER PUMP ROOM ✓
.22		10:15	CTN - MFG-01-087	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	SLUDGE IN EMR ROOM CONTAINER ✓
.23		10:30	OFM - MFG-01-088	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	GEAR BOX-FAN 1,2,3,5 ✓
.24		10:40	FLR - MFG-01-086	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FLOOR IN EMR ROOM ✓

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PCC
 TOTAL METALS
 CMB-101

RELINQUISHED BY: *[Signature]* DATE: **7/10/7** TIME: **1:07**
 RECEIVED BY: *[Signature]* DATE: **1-6-07** TIME: **1:07**
 RELINQUISHED BY: **John Messenger** DATE: **7/10/07** TIME: **1:07**
 RECEIVED BY: **Arcadis** DATE: **7/10/07** TIME: **1:07**

RELINQUISHED BY: *[Signature]* DATE: **1-10-07** TIME: **1:15**
 RECEIVED BY: **Barbara Richardson** DATE: **1-10-07** TIME: **15:15**
 SEAL NO. SEAL INTACT YES NO INITIALS: **BR** NOTES: **TEMP. ON ARRIVAL 4.4**



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C.O.C. PAGE # 3 OF 5

035853

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME **BILL MOORE**
 COMPANY **O'BRIEN & GEAR**
 ADDRESS **33469 W. 14 Mile Rd, SUITE 150**
 CITY **FARMINGTON HILLS** STATE **MI** ZIP CODE **48331**
 PHONE NO. **248-661-3745** FAX NO. **248-661-4057** P.O. NO.
 E-MAIL ADDRESS **moorewm@obg.com / jep12@aol.com** QUOTE NO.

CONTACT NAME **KEN GEMBEL** SAME
 COMPANY **GENERAL MOTORS, P.O. CENTRAL**
 ADDRESS **2000 CENTERPOINT PARKWAY, INC. 48332-0190**
 CITY **PONTIAC** STATE **MI** ZIP CODE **48341-3147**
 PHONE NO. FAX NO. P.O. NO.

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME **SAGINAW MALLEABLE IRON** SAMPLER(S) - PLEASE PRINT/RIGHT NAME **JIM PALMIEAR / DAVE SEAMANS**
 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
 Contains & Preservatives

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MAYBE	# OF BOTTLES	NICKEL	HCL	HNO3	H2SO4	HNOH	HNOH	OTHER	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME											
30305.25	1/9/17	11:10	FLR-MFG-01-089	SD	1								aisle B70N CAP TRANS ROOM
.26		11:15	FLR-MFG-01-090	M	1								FLOOR IN PCB STORE AREA
.27		12:00	OFM-MFG-01-091	O	1								VAC LINE HYDRAULICS
.28		12:30	PAD-YAR-01-092	SD	1								COMPACTOR PAD EAST OF SAND RECLAIM
.29		12:45	PAD-YAR-01-093	SD	1								MAINTENANCE STORAGE - EAST SIDE
.30		13:00	FLR-MNT-01 094	SD	1								NORTH END - POWER WASH BOOTH
.31		13:20	FLR-MNT-01 095	SD	1								SOUTH END - DOOR WAY
.32		13:45	OFM-MNT-01 096	O	1								272419 Press, 272418 Brake 272411 shear, 272439 Shear
.33		14:00	OFM-MNT-01 097	M	1								272414 CARLTON
.34		14:30	FLR FLR-BBB-01-098	SD	1								Butler Building
.35		14:50	FLR-BBB-01-099	SD	1								Butler Building
.36		15:15	PAD-YAR-01-100	SD	1								CORE SAND BIN NORTH SIDE

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PCB
 TOTAL METALS
 (MFI-10)

RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE 1/10/17 TIME	RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE 1-10-07 TIME 1515
RECEIVED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE 1-10-07 TIME	RECEIVED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE 1-10-07 TIME 19:15
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE TIME	SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/> INITIALS
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE TIME	SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/> INITIALS

NOTES: TEMP. ON ARRIVAL **9.4**



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035854

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GERE**
 ADDRESS: **33469 W. 14 MILE RD, SUITE 150**
 CITY: **FARMINGTON HILLS, MI** STATE: **MI** ZIP CODE: **48331**
 PHONE NO.: **248-661-3745** FAX NO.: **248-661-4057**
 E-MAIL ADDRESS: **moorewm@obg.com / jep12@aol.com**

CONTACT NAME: **KEN GEMBEL** SAME
 COMPANY: **GENERAL MOTORS, PC CENTRAL**
 ADDRESS: **2000 CENTERPOINT PARKWAY, MI 483-520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO.: _____ FAX NO.: _____ P.O. NO.: _____

PROJECT NO./NAME: **SAGINAW MALLEABLE IRON**
 SAMPLER(S) - PLEASE PRINT/SIGN NAME: **JIM PALMIERI / DAVE SEAMANS**
 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	MATERIAL	# OF BOTTLES	HCL	HNO3	H2SO4	HNOH	H2O2	OTHER	ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)		SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME										✓	✓	
30305.37	1/9/7	15:30	PAD-YAR-01-101	SD	1	✓						✓	✓	SW SIDE NEAR MAINT AREA ✓
.38		16:05	PAD-YAR-01-102	SD	1	✓						✓	✓	EAST SIDE BY PAINT ROOM ✓
.39		16:15	FLR-MFG-01-103	SD	1	✓						✓	✓	WEST END OF 10-T CRANE BAY ✓
.40		16:30	FLR-MFG-01-104	SD	1	✓						✓	✓	EAST END OF 10-T CRANE BAY ✓
.41		16:50	OFM-MFG-01-105	SD	1	✓						✓	✓	S. Side Center of 10-T CRANE BAY ✓
.42		9:30	BIT-A6	M	1	✓						✓	✓	
.43		11:20	BIT-A7	M	1	✓						✓	✓	
.44		14:55	BIT-A8	M	1	✓						✓	✓	
.45		15:45	DUS-CMG-02-106	SD	1	✓						✓	✓	STEP DOWN AUTO FEEDS @ 2-68 ✓
.46		16:10	OFM-CMG-02-107	SD	1	✓						✓	✓	HIL UNIT SPALLTHROWOFF, SPIRE LOAD, CROSS & MILL BELTS ✓
.47		16:40	FLR-CMG-01-108	SD	1	✓						✓	✓	WOOD BLOCK FLOOR @ GH-31 ✓
.48		17:00	OFM-MFG-01-109	M	1	✓						✓	✓	VAC LINE MOLD HANDLING & COOLING CONVEYOR ✓

RELINQUISHED BY: *[Signature]* DATE: **7/10/07** TIME: _____
 RECEIVED BY: *[Signature]* DATE: **1-10-07** TIME: _____
 RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: *[Signature]* DATE: **1-10-07** TIME: **15:15**
 RECEIVED BY: *[Signature]* DATE: **1-10-07** TIME: **15:15**
 SEAL NO. _____ SEAL INTACT YES NO INITIALS _____ NOTES: _____ TEMP. ON ARRIVAL: **4.4**
 SEAL NO. _____ SEAL INTACT YES NO INITIALS _____

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 Jun 22, 2009 16:22

PCLB
 PCLB INFILTR
 (MI-10)



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C.O.C. PAGE # 5 OF 5

035855

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GERE**
 ADDRESS: **33469 W. 14 MILE RD, SUITE 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE: **48331**
 PHONE NO.: **248-661-3745** FAX NO.: **248-661-4057**
 E-MAIL ADDRESS: **moorewm@obg.com / jep12@aol.com**

CONTACT NAME: **KEN GEMBEL** SAME
 COMPANY: **GENERAL MOTORS, PRO CENTRAL**
 ADDRESS: **2000 CENTER POINT PARKWAY, M.C. 483-520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO. FAX NO. P.O. NO.

PROJECT NO./NAME: **SARINAW MALLEABLE IRON**

SAMPLER(S) - PLEASE PRINT/SIGN NAME

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

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	MAY/PAK # OF BOTTLES	NOV	HCl	HNO ₃	H ₂ SO ₄	NaOH	NaCH ₃	OTHER	ANALYSIS	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME											
30305.49	1/10/07	12:10	TRA-CM6-OR-002	M 1	✓							✓	SUB B - Breaker bush
.50		12:30	TRA-SM6-DR-003	M 1	✓							✓	SUB M - Breaker bush
.51		12:40	TRA-MF6-OR-001	M 1	✓							✓	Sub C - Breaker Bush
.52		10:15	DUS-CM6-01-110	SD 1	✓							✓	TOP OF KILN #14 BY BLOW OFF HATCH ZONE 1
.53		10:20	OVN-CM6-01-111	M 1	✓							✓	SIDE OF #14 KILN BY BLOW OFF HATCH ZONE 1
.54		10:30	DUS-CM6-01-113	SD 1	✓							✓	DISCHARGE END OF KILN #14
.55		11:00	DUS-CM6-01-114	SD 1	✓							✓	TRUSS AT A-55 OVER KILN #15
.56		11:15	OVN-CM6-01-115	M 1	✓							✓	SIDE OF #15 KILN BY ZONE 2 HATCH

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 Jun 22, 2009 16:22

PAB
 ANAL METALS (MTE-10)

RELINQUISHED BY: **David J. Adams** DATE: **1-18-07** TIME: **11:00**
 RECEIVED BY: **John Messinger** DATE: **1-18-07** TIME: **1:00**
 SIGNATURE/Organization: **Arcadis**

RELINQUISHED BY: **Merit** DATE: **1-18-07** TIME: **15:15**
 RECEIVED BY: **Barbara Bihardor** DATE: **1-10-07** TIME: **15:15**
 SEAL NO. SEAL INTACT YES NO INITIALS: **4.4**
 NOTES: TEMP. ON ARRIVAL



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Report ID: S30342.01(01)
Generated on 02/02/2007

Report to
Attention: Bill Moore/Jim Palmieri
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057
Email: jep12@aol.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): S30342.01-S30342.47
Project: Saginaw Malleable Iron
Collected Date: 01/10/2007 - 01/11/2007
Submitted Date/Time: 01/12/2007 15:00
Sampled by: D. Seamans/J. Pal
P.O. #: GMS07385

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Arcadis
Jun 22, 2009 16:22

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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Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

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Sample Summary (47 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S30342.01	OVN-CMG-01-116	Wipe	01/10/2007 13:00
S30342.02	OVN-CMG-01-117	Wipe	01/10/2007 13:10
S30342.03	ROF-CMG-0R-118	Solid	01/10/2007 13:15
S30342.04	OVN-CMG-01-119	Oil	01/10/2007 13:25
S30342.05	OVN-CMG-01-120	Oil	01/10/2007 13:30
S30342.06	OVN-CMG-01-121	Wipe	01/10/2007 13:40
S30342.07	OVN-CMG-01-122	Wipe	01/10/2007 13:50
S30342.08	OVN-CMG-01-123	Wipe	01/10/2007 13:55
S30342.09	WAL-CMG-01-124	Solid	01/10/2007 14:00
S30342.10	WAL-CMG-01-125	Solid	01/10/2007 14:10
S30342.11	OFM-CMG-01-126	Oil	01/10/2007 14:40
S30342.12	OFM-CMG-01-127	Wipe	01/10/2007 15:00
S30342.13	CNV-CMG-01-128	Oil	01/10/2007 15:30
S30342.14	OVN-CMG-01-129	Wipe	01/10/2007 16:00
S30342.15	OFM-CMG-01-130	Oil	01/10/2007 16:10
S30342.16	OFM-CMG-01-131	Oil	01/10/2007 16:20
S30342.17	OVN-CMG-01-132	Wipe	01/10/2007 16:30
S30342.18	OVN-CMG-01-133	Solid	01/10/2007 16:50
S30342.19	OVN-CMG-01-134	Wipe	01/10/2007 16:55
S30342.20	OVN-CMG-01-135	Wipe	01/10/2007 17:00
S30342.21	WAL-CMG-01-136	Solid	01/10/2007 17:20
S30342.22	WAL-CMG-01-137	Solid	01/10/2007 17:40
S30342.23	OFM-EAD-01-138	Oil	01/10/2007 18:00
S30342.24	OFM-EAD-01-139	Liquid	01/10/2007 18:10
S30342.25	OFM-EAD-01-140	Solid	01/10/2007 18:20
S30342.26	OFM-EAD-01-141	Wipe	01/10/2007 18:30
S30342.27	OFM-EAD-01-142	Wipe	01/10/2007 18:40
S30342.28	OFM-EAD-01-143	Wipe	01/10/2007 18:45
S30342.29	OFM-EAD-01-144	Wipe	01/10/2007 18:50
S30342.30	OFM-CMG-01-112	Oil	01/10/2007 12:50
S30342.31	OFM-MFG-01-145	Wipe	01/11/2007 07:40
S30342.32	OFM-MFG-01-146	Wipe	01/11/2007 07:50
S30342.33	OFM-MFG-01-147	Wipe	01/11/2007 08:00
S30342.34	OFM-MFG-01-148	Wipe	01/11/2007 08:00
S30342.35	OFM-MFG-01-149	Wipe	01/11/2007 08:15
S30342.36	OFM-MFG-0R-150	Wipe	01/11/2007 08:55
S30342.37	ROF-MFG-0R-151	Solid	01/11/2007 12:01
S30342.38	OFM-MFG-0R-152	Oil	01/11/2007 14:40
S30342.39	OFM-MFG-03-153	Oil	01/11/2007 14:20
S30342.40	OFM-CMG-01-154	Oil	01/11/2007 13:30
S30342.41	WAL-EAD-02-156	Solid	01/11/2007 08:15
S30342.42	WAL-MFG-02-155	Solid	01/11/2007 08:30
S30342.43	WAL-WAD-02-157	Solid	01/11/2007 10:10
S30342.44	WAL-WAD-01-158	Solid	01/11/2007 10:30
S30342.45	WAL-MFG-01-159	Solid	01/11/2007 11:00
S30342.46	WAL-MFG-01-161	Solid	01/11/2007 11:30
S30342.47	MIS-MFG-03-16D	Solid	01/11/2007 11:45

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Lab Sample ID: S30342.01
 Sample Tag: OVN-CMG-01-116
 Collected Date/Time: 01/10/2007 13:00
 Matrix: Wipe
 COC Reference: 035719

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1,000	8082	02/02/07 11:53	JANB	12674-11-2	Y
PCB-1221	Not detected	ug/100cm2	1,000	8082	02/02/07 11:53	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/100cm2	1,000	8082	02/02/07 11:53	JANB	11141-16-5	Y
PCB-1242	Not detected	ug/100cm2	1,000	8082	02/02/07 11:53	JANB	53469-21-9	Y
PCB-1248	Not detected	ug/100cm2	1,000	8082	02/02/07 11:53	JANB	12672-29-6	Y
PCB-1254	4,000	ug/100cm2	1,000	8082	02/02/07 11:53	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/100cm2	1,000	8082	02/02/07 11:53	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Lab Sample ID: S30342.02
 Sample Tag: OVN-CMG-01-117
 Collected Date/Time: 01/10/2007 13:10
 Matrix: Wipe
 COC Reference: 035719

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/26/07 19:05	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/26/07 19:05	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/26/07 19:05	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/26/07 19:05	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/26/07 19:05	JANB	12672-29-6	
PCB-1254	0.5	ug/100cm2	J	8082	01/26/07 19:05	JANB	11097-69-1	J
PCB-1260	Not detected	ug/100cm2	1	8082	01/26/07 19:05	JANB	11096-82-5	

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

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Lab Sample ID: S30342.03
Sample Tag: ROF-CMG-OR-118
Collected Date/Time: 01/10/2007 13:15
Matrix: Solid
COC Reference: 035719

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/25/07 17:24	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/25/07 17:24	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/25/07 17:24	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/25/07 17:24	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/25/07 17:24	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/25/07 17:24	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/25/07 17:24	JANB	11096-82-5	

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Lab Sample ID: S30342.04
 Sample Tag: OVN-CMG-01-119
 Collected Date/Time: 01/10/2007 13:25
 Matrix: Oil
 COC Reference: 035719

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/29/07 19:07	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/07 19:07	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/07 19:07	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/07 19:07	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/07 19:07	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/29/07 19:07	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/07 19:07	JANB	11096-82-5	

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Lab Sample ID: S30342.05
Sample Tag: OVN-CMG-01-120
Collected Date/Time: 01/10/2007 13:30
Matrix: Oil
COC Reference: 035719

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/26/07 16:26	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/07 16:26	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/07 16:26	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/07 16:26	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/07 16:26	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/07 16:26	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/07 16:26	JANB	11096-82-5	

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Lab Sample ID: S30342.06
Sample Tag: OVN-CMG-01-121
Collected Date/Time: 01/10/2007 13:40
Matrix: Wipe
COC Reference: 035719

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/26/07 19:16	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/26/07 19:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/26/07 19:16	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/26/07 19:16	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/26/07 19:16	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/26/07 19:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/26/07 19:16	JANB	11096-82-5	

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Lab Sample ID: S30342.07
 Sample Tag: OVN-CMG-01-122
 Collected Date/Time: 01/10/2007 13:50
 Matrix: Wipe
 COC Reference: 035719

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/26/07 19:27	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/26/07 19:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/26/07 19:27	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/26/07 19:27	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/26/07 19:27	JANB	12672-29-6	
PCB-1254	0.6	ug/100cm2	J	8082	01/26/07 19:27	JANB	11097-69-1	J
PCB-1260	Not detected	ug/100cm2	1	8082	01/26/07 19:27	JANB	11096-82-5	

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

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Lab Sample ID: S30342.08
Sample Tag: OVN-CMG-01-123
Collected Date/Time: 01/10/2007 13:55
Matrix: Wipe
COC Reference: 035719

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/26/07 17:17	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/26/07 17:17	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/26/07 17:17	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/26/07 17:17	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/26/07 17:17	JANB	12672-29-6	
PCB-1254	2.1	ug/100cm2	1	8082	01/26/07 17:17	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/26/07 17:17	JANB	11096-82-5	

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Lab Sample ID: S30342.09
 Sample Tag: WAL-CMG-01-124
 Collected Date/Time: 01/10/2007 14:00
 Matrix: Solid
 COC Reference: 035719

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	5,000	8082	01/29/07 13:12	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	5,000	8082	01/29/07 13:12	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	5,000	8082	01/29/07 13:12	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	5,000	8082	01/29/07 13:12	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	5,000	8082	01/29/07 13:12	JANB	12672-29-6	Y
PCB-1254	50,000	ug/kg	5,000	8082	01/29/07 13:12	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	5,000	8082	01/29/07 13:12	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Lab Sample ID: S30342.10
 Sample Tag: WAL-CMG-01-125
 Collected Date/Time: 01/10/2007 14:10
 Matrix: Solid
 COC Reference: 035719

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	20,000	8082	01/26/07 14:07	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	20,000	8082	01/26/07 14:07	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	20,000	8082	01/26/07 14:07	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	20,000	8082	01/26/07 14:07	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	20,000	8082	01/26/07 14:07	JANB	12672-29-6	Y
PCB-1254	120,000	ug/kg	20,000	8082	01/26/07 14:07	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	20,000	8082	01/26/07 14:07	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Lab Sample ID: S30342.11
 Sample Tag: OFM-CMG-01-126
 Collected Date/Time: 01/10/2007 14:40
 Matrix: Oil
 COC Reference: 035719

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/26/07 17:27	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/07 17:27	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/07 17:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/07 17:27	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/07 17:27	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/07 17:27	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/07 17:27	JANB	11096-82-5	

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Lab Sample ID: S30342.12
 Sample Tag: OFM-CMG-01-127
 Collected Date/Time: 01/10/2007 15:00
 Matrix: Wipe
 COC Reference: 035719

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/30/07 19:16	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/30/07 19:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/30/07 19:16	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/30/07 19:16	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/30/07 19:16	JANB	12672-29-6	
PCB-1254	1	ug/100cm2	1	8082	01/30/07 19:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/30/07 19:16	JANB	11096-82-5	

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Lab Sample ID: S30342.13
 Sample Tag: CNV-CMG-01-128
 Collected Date/Time: 01/10/2007 15:30
 Matrix: Oil
 COC Reference: 035720

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	3,000	8082	01/30/07 11:07	JANB	12674-11-2	Y
PCB-1242	22,000	ug/kg	3,000	8082	01/30/07 11:07	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	3,000	8082	01/30/07 11:07	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	3,000	8082	01/30/07 11:07	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	3,000	8082	01/30/07 11:07	JANB	12672-29-6	Y
PCB-1254	Not detected	ug/kg	3,000	8082	01/30/07 11:07	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	3,000	8082	01/30/07 11:07	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Lab Sample ID: S30342.14
Sample Tag: OVN-CMG-01-129
Collected Date/Time: 01/10/2007 16:00
Matrix: Wipe
COC Reference: 035720

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/26/07 19:38	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/26/07 19:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/26/07 19:38	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/26/07 19:38	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/26/07 19:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/26/07 19:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/26/07 19:38	JANB	11096-82-5	

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Lab Sample ID: S30342.15
 Sample Tag: OFM-CMG-01-130
 Collected Date/Time: 01/10/2007 16:10
 Matrix: Oil
 COC Reference: 035720

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/26/07 16:48	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/07 16:48	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/07 16:48	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/07 16:48	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/07 16:48	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/07 16:48	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/07 16:48	JANB	11096-82-5	

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Lab Sample ID: S30342.16
 Sample Tag: OFM-CMG-01-131
 Collected Date/Time: 01/10/2007 16:20
 Matrix: Oil
 COC Reference: 035720

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/30/07 18:43	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/07 18:43	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/07 18:43	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/07 18:43	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/07 18:43	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/07 18:43	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/07 18:43	JANB	11096-82-5	

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Lab Sample ID: S30342.17
 Sample Tag: OVN-CMG-01-132
 Collected Date/Time: 01/10/2007 16:30
 Matrix: Wipe
 COC Reference: 035720

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides**PCB Swab List**

PCB-1016	Not detected	ug/100cm2	1	8082	01/26/07 19:50	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/26/07 19:50	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/26/07 19:50	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/26/07 19:50	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/26/07 19:50	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/26/07 19:50	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/26/07 19:50	JANB	11096-82-5	

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Lab Sample ID: S30342.18
 Sample Tag: OVN-CMG-01-133
 Collected Date/Time: 01/10/2007 16:50
 Matrix: Solid
 COC Reference: 035720

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/30/07 11:18	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/07 11:18	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/07 11:18	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/07 11:18	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/07 11:18	JANB	12672-29-6	
PCB-1254	800	ug/kg	1,000	8082	01/30/07 11:18	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/07 11:18	JANB	11096-82-5	

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

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Lab Sample ID: S30342.19
 Sample Tag: OVN-CMG-01-134
 Collected Date/Time: 01/10/2007 16:55
 Matrix: Wipe
 COC Reference: 035720

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/26/07 16:56	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/26/07 16:56	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/26/07 16:56	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/26/07 16:56	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/26/07 16:56	JANB	12672-29-6	
PCB-1254	1.5	ug/100cm2	1	8082	01/26/07 16:56	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/26/07 16:56	JANB	11096-82-5	

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Lab Sample ID: S30342.20
 Sample Tag: OVN-CMG-01-135
 Collected Date/Time: 01/10/2007 17:00
 Matrix: Wipe
 COC Reference: 035720

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/29/07 17:03	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/29/07 17:03	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/29/07 17:03	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/29/07 17:03	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/29/07 17:03	JANB	12672-29-6	
PCB-1254	0.6	ug/100cm2	J	8082	01/29/07 17:03	JANB	11097-69-1	J
PCB-1260	Not detected	ug/100cm2	1	8082	01/29/07 17:03	JANB	11096-82-5	

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

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Lab Sample ID: S30342.21
 Sample Tag: WAL-CMG-01-136
 Collected Date/Time: 01/10/2007 17:20
 Matrix: Solid
 COC Reference: 035720

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	2,000	8082	01/29/07 12:33	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	2,000	8082	01/29/07 12:33	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	2,000	8082	01/29/07 12:33	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	2,000	8082	01/29/07 12:33	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	2,000	8082	01/29/07 12:33	JANB	12672-29-6	Y
PCB-1254	20,000	ug/kg	2,000	8082	01/29/07 12:33	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	2,000	8082	01/29/07 12:33	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Lab Sample ID: S30342.22
 Sample Tag: WAL-CMG-01-137
 Collected Date/Time: 01/10/2007 17:40
 Matrix: Solid
 COC Reference: 035720

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	5,000	8082	01/29/07 13:35	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	5,000	8082	01/29/07 13:35	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	5,000	8082	01/29/07 13:35	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	5,000	8082	01/29/07 13:35	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	5,000	8082	01/29/07 13:35	JANB	12672-29-6	Y
PCB-1254	40,000	ug/kg	5,000	8082	01/29/07 13:35	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	5,000	8082	01/29/07 13:35	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Lab Sample ID: S30342.23
Sample Tag: OFM-EAD-01-138
Collected Date/Time: 01/10/2007 18:00
Matrix: Oil
COC Reference: 035720

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/30/07 18:54	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/07 18:54	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/07 18:54	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/07 18:54	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/07 18:54	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/07 18:54	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/07 18:54	JANB	11096-82-5	

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Lab Sample ID: S30342.24
 Sample Tag: OFM-EAD-01-139
 Collected Date/Time: 01/10/2007 18:10
 Matrix: Liquid
 COC Reference: 035720

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

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

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Lab Sample ID: S30342.25
 Sample Tag: OFM-EAD-01-140
 Collected Date/Time: 01/10/2007 18:20
 Matrix: Solid
 COC Reference: 035721

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/26/07 17:11	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/07 17:11	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/07 17:11	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/07 17:11	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/07 17:11	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/07 17:11	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/07 17:11	JANB	11096-82-5	

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Lab Sample ID: S30342.26
 Sample Tag: OFM-EAD-01-141
 Collected Date/Time: 01/10/2007 18:30
 Matrix: Wipe
 COC Reference: 035721

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/29/07 17:14	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/29/07 17:14	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/29/07 17:14	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/29/07 17:14	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/29/07 17:14	JANB	12672-29-6	
PCB-1254	0.8	ug/100cm2	J	8082	01/29/07 17:14	JANB	11097-69-1	J
PCB-1260	Not detected	ug/100cm2	1	8082	01/29/07 17:14	JANB	11096-82-5	

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

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Lab Sample ID: S30342.27
Sample Tag: OFM-EAD-01-142
Collected Date/Time: 01/10/2007 18:40
Matrix: Wipe
COC Reference: 035721

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/29/07 16:18	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/29/07 16:18	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/29/07 16:18	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/29/07 16:18	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/29/07 16:18	JANB	12672-29-6	
PCB-1254	2.2	ug/100cm2	1	8082	01/29/07 16:18	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/29/07 16:18	JANB	11096-82-5	

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Lab Sample ID: S30342.28
 Sample Tag: OFM-EAD-01-143
 Collected Date/Time: 01/10/2007 18:45
 Matrix: Wipe
 COC Reference: 035721

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/30/07 16:19	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/30/07 16:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/30/07 16:19	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/30/07 16:19	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/30/07 16:19	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/30/07 16:19	JANB	11097-69-1	
PCB-1260	7	ug/100cm2	1	8082	01/30/07 16:19	JANB	11096-82-5	

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Lab Sample ID: S30342.29
Sample Tag: OFM-EAD-01-144
Collected Date/Time: 01/10/2007 18:50
Matrix: Wipe
COC Reference: 035721

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/29/07 15:02	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/29/07 15:02	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/29/07 15:02	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/29/07 15:02	JANB	53469-21-9	
PCB-1248	1.5	ug/100cm2	1	8082	01/29/07 15:02	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/29/07 15:02	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/29/07 15:02	JANB	11096-82-5	

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Lab Sample ID: S30342.30
 Sample Tag: OFM-CMG-01-112
 Collected Date/Time: 01/10/2007 12:50
 Matrix: Oil
 COC Reference: 035721

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/29/07 21:23	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/07 21:23	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/07 21:23	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/07 21:23	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/07 21:23	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/29/07 21:23	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/07 21:23	JANB	11096-82-5	

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Lab Sample ID: S30342.31
 Sample Tag: OFM-MFG-01-145
 Collected Date/Time: 01/11/2007 07:40
 Matrix: Wipe
 COC Reference: 035721

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/29/07 16:29	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/29/07 16:29	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/29/07 16:29	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/29/07 16:29	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/29/07 16:29	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/29/07 16:29	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/29/07 16:29	JANB	11096-82-5	

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Lab Sample ID: S30342.32
 Sample Tag: OFM-MFG-01-146
 Collected Date/Time: 01/11/2007 07:50
 Matrix: Wipe
 COC Reference: 035721

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/29/07 16:40	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/29/07 16:40	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/29/07 16:40	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/29/07 16:40	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/29/07 16:40	JANB	12672-29-6	
PCB-1254	0.6	ug/100cm2	J	8082	01/29/07 16:40	JANB	11097-69-1	J
PCB-1260	Not detected	ug/100cm2	1	8082	01/29/07 16:40	JANB	11096-82-5	

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

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Lab Sample ID: S30342.33
 Sample Tag: OFM-MFG-01-147
 Collected Date/Time: 01/11/2007 08:00
 Matrix: Wipe
 COC Reference: 035721

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/29/07 16:52	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/29/07 16:52	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/29/07 16:52	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/29/07 16:52	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/29/07 16:52	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/29/07 16:52	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/29/07 16:52	JANB	11096-82-5	

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Lab Sample ID: S30342.34
 Sample Tag: OFM-MFG-01-148
 Collected Date/Time: 01/11/2007 08:00
 Matrix: Wipe
 COC Reference: 035721

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/29/07 15:13	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/29/07 15:13	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/29/07 15:13	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/29/07 15:13	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/29/07 15:13	JANB	12672-29-6	
PCB-1254	1.5	ug/100cm2	1	8082	01/29/07 15:13	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/29/07 15:13	JANB	11096-82-5	

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Lab Sample ID: S30342.35
 Sample Tag: OFM-MFG-01-149
 Collected Date/Time: 01/11/2007 08:15
 Matrix: Wipe
 COC Reference: 035721

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/26/07 17:06	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/26/07 17:06	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/26/07 17:06	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/26/07 17:06	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/26/07 17:06	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/26/07 17:06	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/26/07 17:06	JANB	11096-82-5	

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Lab Sample ID: S30342.36
 Sample Tag: OFM-MFG-OR-150
 Collected Date/Time: 01/11/2007 08:55
 Matrix: Wipe
 COC Reference: 035721

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	3	8082	01/29/07 14:29	JANB	12674-11-2	Y
PCB-1221	Not detected	ug/100cm2	3	8082	01/29/07 14:29	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/100cm2	3	8082	01/29/07 14:29	JANB	11141-16-5	Y
PCB-1242	Not detected	ug/100cm2	3	8082	01/29/07 14:29	JANB	53469-21-9	Y
PCB-1248	Not detected	ug/100cm2	3	8082	01/29/07 14:29	JANB	12672-29-6	Y
PCB-1254	25	ug/100cm2	3	8082	01/29/07 14:29	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/100cm2	3	8082	01/29/07 14:29	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Lab Sample ID: S30342.37
Sample Tag: ROF-MFG-0R-151
Collected Date/Time: 01/11/2007 12:01
Matrix: Solid
COC Reference: 035722

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	2,000	8082	01/29/07 11:28	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	2,000	8082	01/29/07 11:28	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	2,000	8082	01/29/07 11:28	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	2,000	8082	01/29/07 11:28	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	2,000	8082	01/29/07 11:28	JANB	12672-29-6	Y
PCB-1254	12,000	ug/kg	2,000	8082	01/29/07 11:28	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	2,000	8082	01/29/07 11:28	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Lab Sample ID: S30342.38
Sample Tag: OFM-MFG-OR-152
Collected Date/Time: 01/11/2007 14:40
Matrix: Oil
COC Reference: 035722

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/26/07 17:34	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/07 17:34	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/07 17:34	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/07 17:34	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/07 17:34	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/07 17:34	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/07 17:34	JANB	11096-82-5	

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Lab Sample ID: S30342.39
 Sample Tag: OFM-MFG-03-153
 Collected Date/Time: 01/11/2007 14:20
 Matrix: Oil
 COC Reference: 035722

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/30/07 19:05	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/07 19:05	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/07 19:05	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/07 19:05	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/07 19:05	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/07 19:05	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/07 19:05	JANB	11096-82-5	

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Lab Sample ID: S30342.40
Sample Tag: OFM-CMG-01-154
Collected Date/Time: 01/11/2007 13:30
Matrix: Oil
COC Reference: 035722

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/26/07 17:57	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/07 17:57	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/07 17:57	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/07 17:57	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/07 17:57	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/07 17:57	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/07 17:57	JANB	11096-82-5	

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Jun 22, 2009 16:22



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30342.41
Sample Tag: WAL-EAD-02-156
Collected Date/Time: 01/11/2007 08:15
Matrix: Solid
COC Reference: 035722

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/29/07 12:06	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/07 12:06	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/07 12:06	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/07 12:06	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/07 12:06	JANB	12672-29-6	
PCB-1254	3,000	ug/kg	1,000	8082	01/29/07 12:06	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/07 12:06	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30342.42
Sample Tag: WAL-MFG-02-155
Collected Date/Time: 01/11/2007 08:30
Matrix: Solid
COC Reference: 035722

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	5,000	8082	01/30/07 16:30	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	5,000	8082	01/30/07 16:30	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	5,000	8082	01/30/07 16:30	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	5,000	8082	01/30/07 16:30	JANB	11141-16-5	Y
PCB-1248	7,000	ug/kg	5,000	8082	01/30/07 16:30	JANB	12672-29-6	Y
PCB-1254	Not detected	ug/kg	5,000	8082	01/30/07 16:30	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	5,000	8082	01/30/07 16:30	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30342.43
 Sample Tag: WAL-WAD-02-157
 Collected Date/Time: 01/11/2007 10:10
 Matrix: Solid
 COC Reference: 035722

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	2,000	8082	01/26/07 15:53	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	2,000	8082	01/26/07 15:53	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	2,000	8082	01/26/07 15:53	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	2,000	8082	01/26/07 15:53	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	2,000	8082	01/26/07 15:53	JANB	12672-29-6	Y
PCB-1254	14,000	ug/kg	2,000	8082	01/26/07 15:53	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	2,000	8082	01/26/07 15:53	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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 Jun 22, 2009 16:22



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30342.44
 Sample Tag: WAL-WAD-01-158
 Collected Date/Time: 01/11/2007 10:30
 Matrix: Solid
 COC Reference: 035722

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/26/07 16:03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/07 16:03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/07 16:03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/07 16:03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/07 16:03	JANB	12672-29-6	
PCB-1254	1,000	ug/kg	1,000	8082	01/26/07 16:03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/07 16:03	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30342.45
 Sample Tag: WAL-MFG-01-159
 Collected Date/Time: 01/11/2007 11:00
 Matrix: Solid
 COC Reference: 035722

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/26/07 16:45	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/07 16:45	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/07 16:45	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/07 16:45	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/07 16:45	JANB	12672-29-6	
PCB-1254	500	ug/kg	1,000	8082	01/26/07 16:45	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/07 16:45	JANB	11096-82-5	

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

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Jun 22, 2009 16:22

Lab Sample ID: S30342.46
 Sample Tag: WAL-MFG-01-161
 Collected Date/Time: 01/11/2007 11:30
 Matrix: Solid
 COC Reference: 035722

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/29/07 13:50	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/07 13:50	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/07 13:50	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/07 13:50	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/07 13:50	JANB	12672-29-6	
PCB-1254	4,000	ug/kg	1,000	8082	01/29/07 13:50	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/07 13:50	JANB	11096-82-5	

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Lab Sample ID: S30342.47
 Sample Tag: MIS-MFG-03-16D
 Collected Date/Time: 01/11/2007 11:45
 Matrix: Solid
 COC Reference: 035722

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/25/07 12:04	TAS		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/29/07 12:17	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/07 12:17	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/07 12:17	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/07 12:17	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/07 12:17	JANB	12672-29-6	
PCB-1254	10,000	ug/kg	1,000	8082	01/29/07 12:17	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/07 12:17	JANB	11096-82-5	

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 www.meritlabs.com John Messinger

C.O.C. PAGE # 1 OF 4

035719

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GERE**
 ADDRESS: **33469 W. 14 MILE RD, SUITE 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE: **48331**
 PHONE NO.: **248-661-3745** FAX NO.: **248-661-4057**
 E-MAIL ADDRESS: **moorewm@obg.com / jep12@aol.com**

CONTACT NAME: **KEN GEMBEL** SAME
 COMPANY: **GENERAL MOTORS, P.O. CENTRA**
 ADDRESS: **2000 CENTERPOINT PARKWAY, M.C. 483-520-140**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO.: _____ FAX NO.: _____ P.O. NO.: _____

PROJECT NO./NAME: **SAGINAW MALLEABLE IRON** SAMPLER(S) - PLEASE PRINT/SIGN NAME: **JIM PALMIERI / DAVE SEAMANS**
 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	MAY	# OF BOTTLES	NO.	HCl	HNO ₃	H ₂ SO ₄	NaOH	NaCl	OTHER	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME											
30342.01	7/10/7	13:00	OVN-CMG-01-116	M	1	✓							Kiln #12
.02		13:10	OVN-CMG-01-117	M	1	✓							Kiln #7
.03		13:15	ROF-CMG-01-118	SD	1	✓							DEBRIS ON OLD P&F west end
.04		13:25	OVN-CMG-01-119	O	1	✓							GEAR BOX Kilns 7&9
.05		13:30	OVN-CMG-01-120	O	1	✓							GEAR BOX Kilns 6&8
.06		13:40	OVN-CMG-01-121	M	1	✓							Kiln #4, SE Side
.07		13:50	OVN-CMG-01-122	M	1	✓							Kiln #5, Center-South
.08		13:55	OVN-CMG-01-123	M	1	✓							#3 Kiln Discharge end
.09		14:00	WAL-CMG-01-124	SD	1	✓							Paint-Col H-60
.10		14:10	WAL-CMG-01-125	SD	1	✓							Paint-#9 Kiln Structure
.11		14:40	OFM-CMG-01-124	O	1	✓							Graphite pits @ #2, 4
.12		15:00	OFM-CMG-01-127	M	1	✓							#272121 #5 Kiln tray Pack Feeder

RELINQUISHED BY: *John Messinger* DATE: 1-12-07 TIME: 15:40
 RECEIVED BY: *Barbara Richardson* DATE: 1-12-07 TIME: 15:00
 RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RECEIVED BY: _____ DATE: _____ TIME: _____
 SEAL NO. SEAL INTACT YES NO INITIALS: _____ NOTES: TEMP. ON ARRIVAL: 45



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C.O.C. PAGE # 2 OF 4

035720

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GENE**
 ADDRESS: **33469 W. 14 MILE RD, SUITE 150**
 CITY: **FARMINGTON HILL** STATE: **MI** ZIP CODE: **48331**
 PHONE NO: **248-661-3745** FAX NO: **248-661-4057** P.O. NO.:
 E-MAIL ADDRESS: **moore.wm@obgf.com / jep12@aol.com** QUOTE NO.:

CONTACT NAME: **KEN GEMBEL** SAME
 COMPANY: **GENERAL MOTORS, PCC CENTRAL**
 ADDRESS: **2000 CENTERPOINT PARKWAY, MI 483-520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: **SAGINAW MALLEABLE IRON** SAMPLER(S) - PLEASE PRINT/SIGN NAME: **JIM PALMIERI / DAVE SEAMANS**
 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	MATERIAL	# OF BOTTLES	HCL	HNO ₃	H ₂ SO ₄	HNOH	H ₂ O ₂	OTHER	ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME											
30342.13	1/10	15:30	CNU-CMG-01-128	M	1								Gear Boxes for Kiln 1,2,3,4 Conveyors
.14		16:00	OVN-CMG-01-129	M	1								KILN #1
.15		16:10	OFM-CMG-01-130	O	1								Belts 1,2,3 - Draw Lubricators on Cooling
.16		16:20	OFM-CMG-01-131	O	1								#1 DRAW BELT CONU #272512 Sort Belt Swing
.17		16:30	DUN-CMG-01-132	M	1								#1 DRAW S. Side Zone 1
.18		16:50	OVN-CMG-01-133	M	1								#12 DRAW - COMPASIT
.19		16:55	OVN-CMG-01-134	SD	1								#2 DRAW ZONE 3 North
.20		17:00	OVN-CMG-01-135	M	1								#3 DRAW ZONE 2 North
.21		17:20	WAL-CMG-01-136	SD	1								PAINT FROM DRAW #2 STRUCTURE
.22		17:40	WAL-CMG-01-137	SD	1								PAINT COL P-15
.23		18:00	OFM-BAO-01-138	O	1								27256B) 272565, 272581 272584 & 272585
.24		18:10	OFM-BAO-01-139	L	1								Soluable Coolant

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PCC
 STEEL METALS
 (MI-10)

RELINQUISHED BY: *[Signature]* DATE: **1-12-07** TIME: **13:40**
 RECEIVED BY: *[Signature]* DATE: **1-12-07** TIME: **15:00**
 RELINQUISHED BY: **John Messinger** DATE: DATE: TIME: TIME:
 RECEIVED BY: **Arcadis**

RELINQUISHED BY: *[Signature]* DATE: **1-12-07** TIME: **15:00**
 RECEIVED BY: **Barbara Richardson** DATE: **1-12-07** TIME: **15:00**
 SEAL NO. SEAL INTACT YES NO INITIALS: NOTES: TEMP. ON ARRIVAL: **4.0**



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C.O.C. PAGE # 3 OF 4

035721

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GERE**
 ADDRESS: **33469 W. 14 MILE RD, SUITE 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE: **48331**
 PHONE NO.: **248-661-3741** FAX NO.: **248-661-4057**
 E-MAIL ADDRESS: **moorewm@obg.com / jep12@aol.com**

CONTACT NAME: **KEN GEMBEL** SAME
 COMPANY: **GENERAL MOTORS, PCC CENTRAL**
 ADDRESS: **2000 CENTERPOINT PARKWAY, MC. 483-520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO.: _____ FAX NO.: _____ P.O. NO.: _____

PROJECT NO./NAME: **SACINAW MALLEABLE IRON** SAMPLER(S) - PLEASE PRINT/SIGN NAME: **JIM PALMIERI / DAVE SEAMAN'S**
 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	MAYBES	# OF BOTTLES	NOV	HC	HNO ₃	H ₂ SO ₄	HNOH	MCH	OTHER	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME											
30342.25	1/10/07	18:20	OFM-EAD-01-140										272606, 272569 272600, 272598
.26		18:30	OFM-EAD-01-141										#272589 Lathe
.27		18:40	OFM-EAD-01-142										#272601 Lodge & skip
.28		18:45	OFM-EAD-01-143										#272599 CARLTON
.29		18:50	OFM-EAD-01-144										BLANCHARD
.30		12:50	OFM-CMG-01-112										#12, 13, 14, 15 Kilns Gear box
.31	1/11/07	7:40	OFM-MFG-01-145										#3 XLE Compressor in PH
.32		7:50	OFM-MFG-01-146										GE Compressor #FF0006131
.33		8:00	OFM-MFG-01-147										#4 Joy Comp #FE0006119
.34		8:00	OFM-MFG-01-148										#2 XLE Compressor
.35		8:15	OFM-MFG-01-149										FATA ALUMINUM LINE
.36		8:55	OFM-MFG-DR 150										GEAR DRIVEN OLD P&F-EAST

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POPS
TOTAL METALS (MI-16)

RELINQUISHED BY: *[Signature]* DATE: 1-12-07 TIME: 13:40
 RECEIVED BY: *[Signature]* DATE: 1-12-07 TIME: 15:00
 RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: *[Signature]* DATE: 1-12-07 TIME: 15:00
 RECEIVED BY: *[Signature]* DATE: 1-12-07 TIME: 15:00
 SEAL NO. SEAL INTACT YES NO INITIALS _____ NOTES: TEMP. ON ARRIVAL 45
 SEAL NO. SEAL INTACT YES NO INITIALS _____



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C.O.C. PAGE # 4 OF 4

035722

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GERE**
 ADDRESS: **33469 W. 14 MILE RD, SUITE 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE: **48331**
 PHONE NO: **248-661-3745** FAX NO: **248-661-4057** P.O. NO.:
 E-MAIL ADDRESS: **moorewm@obg.com / jep12@aol.com** QUOTE NO.:

CONTACT NAME: **KEN GERBEL** SAME
 COMPANY: **GENERAL MOTORS, PCC CENTRAL**
 ADDRESS: **2000 CENTERPOINT PARKWAY M.C 483-520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO.: FAX NO.: P.O. NO.:

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME: **SALINAW MALLEABLE IRON** SAMPLER(S) - PLEASE PRINT/SIGN NAME: **JIM PALMISTO / DAVE SEAMANS**
 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	MATERIAL	# OF BOTTLES	HCL	HNO3	H2SO4	HNOH	H2O2	OTHER	TOTAL METALS (MI-10)	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME											
30342.37	7/1/07	12:01	ROF-MFG-OR-151	SD	1	✓						✓	OLD POWER & SRE - Debris on deck
.38		14:40	OFM-MFG-OR-152	O	1	✓						✓	LUBRICATOR FOR OLD CONVEYOR SYS - EAST SIDE
.39		14:20	OFM-MFG-03-153	O	1	✓						✓	BEAR BOX - 10.T CRANE WEST END
.40		13:30	OFM-CMG-01-154	O	1	✓						✓	PCC CONVEYOR LUBRICATORS (A, B, C)
.41		8:15	WAL-EAD-02-156	SD	1	✓						✓	INTERIOR WINDOW CAULK - LOFT OFFICE AREA PATTERNSHIP
.42		8:30	WAL-MFG-02-155	SD	1	✓						✓	BLACK INTERIOR WINDOW CAULK MELTING BREAK ROOM
.43		10:10	WAL-WAD-02-157	SD	1	✓						✓	WHITE WINDOW CAULK IN DOORS MAIN OFFICE NORTH ROOM
.44		10:30	WAL-WAD-01-158	SD	1	✓						✓	GRAY EXTERIOR GLASS BLOCK & WALL CAULK
.45		11:00	WAL-MFG-01-159	SD	1	✓						✓	WHITE EXTERIOR WINDOW FRAME CAULK - WHITE
.46		11:30	WAL-MFG-01-160	SD	1	✓						✓	WHITE WINDOW GLAZING - OLD WINDOWS - POWERHOUSE
.47		11:45	MIS-MFG-03-16D	SD	1	✓						✓	PIPE INSULATION CALBESTOS

RELINQUISHED BY: *John Messinger* DATE: 7-12-07 TIME: 13:40
 RECEIVED BY: *Barbara Richardson* DATE: 7-12-07 TIME: 15:00
 RELINQUISHED BY: *John Messinger* DATE: DATE: TIME: TIME:
 RECEIVED BY: *Barbara Richardson* DATE: DATE: TIME: TIME:
 SEAL NO. SEAL NO. SEAL INTACT YES NO INITIALS INITIALS NOTES: TEMP. ON ARRIVAL: 45



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Report ID: S30402.01(01)
Generated on 02/02/2007

Report to
Attention: Bill Moore/Jim Palmieri
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057
Email: jep12@aol.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): S30402.01-S30402.39
Project: Saginaw Malleable Iron
Collected Date: 01/16/2007 - 01/17/2007
Submitted Date/Time: 01/17/2007 16:30
Sampled by: D. Seamans/J. Pal
P.O. #: GMS07385

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John Messinger
Arcadis
Jun 22, 2009 16:22

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.

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Sample Summary (39 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S30402.01	OFM-MFG-06-161	Solid	01/16/2007 12:15
S30402.02	DUS-MFG-04-162	Solid	01/16/2007 12:30
S30402.03	DUS-MFG-02-163	Solid	01/16/2007 13:00
S30402.04	FTR-MFG-02-164	Wipe	01/16/2007 13:20
S30402.05	WAL-MFG-BS-165	Wipe	01/16/2007 13:45
S30402.06	DUS-MFG-BS-166	Solid	01/16/2007 14:00
S30402.07	OUN-MFG-01-167	Wipe	01/16/2007 14:20
S30402.08	OFM-MFG-BS-168	Solid	01/16/2007 14:35
S30402.09	OFM-MFG-01-169	Oil	01/16/2007 14:55
S30402.10	OFM-MFG-01-170	Wipe	01/16/2007 15:15
S30402.11	DUS-MFG-05-171	Solid	01/16/2007 15:25
S30402.12	OFM-MFG-05-172	Oil	01/16/2007 16:00
S30402.13	OFM-MFG-02-173	Wipe	01/16/2007 16:10
S30402.14	TRA-MFG-04-174	Wipe	01/16/2007 16:45
S30402.15	OFM-MFG-04-175	Wipe	01/16/2007 17:05
S30402.16	OFM-MFG-04-176	Oil	01/16/2007 17:25
S30402.17	DUS-MFG-09-177	Solid	01/16/2007 17:50
S30402.18	OFM-MFG-02-178	Oil	01/16/2007 18:05
S30402.19	OFM-MFG-02-179	Solid	01/16/2007 18:10
S30402.20	OVN-MFG-02-180	Solid	01/16/2007 18:25
S30402.21	OFM-MFG-01-181	Wipe	01/16/2007 18:30
S30402.22	OFM-MFG-01-182	Wipe	01/16/2007 18:30
S30402.23	WAL-MFG-01-183	Wipe	01/16/2007 18:45
S30402.24	FLR-MFG-BS-184	Solid	01/17/2007 08:15
S30402.25	FLR-MFG-BS-185	Solid	01/17/2007 08:40
S30402.26	SMP-MFG-BS-186	Solid	01/17/2007 08:45
S30402.27	TRA-MFG-01-187	Wipe	01/17/2007 09:10
S30402.28	TRA-MFG-01-188	Wipe	01/17/2007 09:15
S30402.29	TRA-MFG-01-189	Wipe	01/17/2007 09:20
S30402.30	TRA-MFG-01-190	Wipe	01/17/2007 09:25
S30402.31	TRA-MFG-01-191	Wipe	01/17/2007 09:30
S30402.32	FLR-MFG-04-192	Wipe	01/17/2007 10:00
S30402.33	FLR-MFG-04-193	Wipe	01/17/2007 10:05
S30402.34	FLR-YAR-01-194	Solid	01/17/2007 10:25
S30402.35	FLR-MFG-BS-195	Solid	01/17/2007 10:50
S30402.36	OFM-EAD-OR-196	Oil	01/17/2007 11:45
S30402.37	FLR-SRB-BS-197	Solid	01/17/2007 12:10
S30402.38	FLR-LNA-01-198	Wipe	01/17/2007 13:00
S30402.39	TRN-WTP-01-199	Solid	01/17/2007 13:25

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Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30402.01
 Sample Tag: OFM-MFG-06-161
 Collected Date/Time: 01/16/2007 12:15
 Matrix: Solid
 COC Reference: 035723

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		
Metals								
Arsenic	1.55	mg/kg	0.10	6020	01/29/07 15:15	PER	7440-38-2	
Barium	15.0	mg/kg	1.0	6020	01/29/07 15:15	PER	7440-39-3	
Cadmium	0.68	mg/kg	0.20	6020	01/29/07 15:15	PER	7440-43-9	
Chromium	8.0	mg/kg	1.0	6020	01/29/07 15:15	PER	7440-47-3	
Copper	22.1	mg/kg	1.0	6020	01/29/07 15:15	PER	7440-50-8	
Lead	1,450	mg/kg	1.0	6020	01/29/07 15:15	PER	7439-92-1	
Mercury	0.892	mg/kg	0.050	7471A	01/24/07 13:34	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 15:15	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 15:15	PER	7440-22-4	
Zinc	344	mg/kg	1.0	6020	01/29/07 15:15	PER	7440-66-6	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	2,000	8082	02/01/07 13:47	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	2,000	8082	02/01/07 13:47	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	2,000	8082	02/01/07 13:47	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	2,000	8082	02/01/07 13:47	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	2,000	8082	02/01/07 13:47	JANB	12672-29-6	Y
PCB-1254	12,000	ug/kg	2,000	8082	02/01/07 13:47	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	2,000	8082	02/01/07 13:47	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.02
 Sample Tag: DUS-MFG-04-162
 Collected Date/Time: 01/16/2007 12:30
 Matrix: Solid
 COC Reference: 035723

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	0.76	mg/kg	0.10	6020	01/29/07 15:21	PER	7440-38-2	
Barium	10.6	mg/kg	1.0	6020	01/29/07 15:21	PER	7440-39-3	
Cadmium	0.44	mg/kg	0.20	6020	01/29/07 15:21	PER	7440-43-9	
Chromium	2.9	mg/kg	1.0	6020	01/29/07 15:21	PER	7440-47-3	
Copper	5.8	mg/kg	1.0	6020	01/29/07 15:21	PER	7440-50-8	
Lead	15.2	mg/kg	1.0	6020	01/29/07 15:21	PER	7439-92-1	
Mercury	0.116	mg/kg	0.050	7471A	01/24/07 13:37	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 15:21	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 15:21	PER	7440-22-4	
Zinc	49.8	mg/kg	1.0	6020	01/29/07 15:21	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 12:36	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 12:36	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 12:36	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 12:36	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/31/07 12:36	JANB	12672-29-6	
PCB-1254	1,800	ug/kg	1,000	8082	01/31/07 12:36	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 12:36	JANB	11096-82-5	

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Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30402.03
 Sample Tag: DUS-MFG-02-163
 Collected Date/Time: 01/16/2007 13:00
 Matrix: Solid
 COC Reference: 035723

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	7.31	mg/kg	0.10	6020	01/29/07 15:27	PER	7440-38-2	
Barium	86.2	mg/kg	1.0	6020	01/29/07 15:27	PER	7440-39-3	
Cadmium	4.46	mg/kg	0.20	6020	01/29/07 15:27	PER	7440-43-9	
Chromium	53.1	mg/kg	1.0	6020	01/29/07 15:27	PER	7440-47-3	
Copper	183	mg/kg	1.0	6020	01/29/07 15:27	PER	7440-50-8	
Lead	174	mg/kg	1.0	6020	01/29/07 15:27	PER	7439-92-1	
Mercury	0.270	mg/kg	0.050	7471A	01/24/07 13:39	JRT	7439-97-6	
Selenium	0.61	mg/kg	0.50	6020	01/29/07 15:27	PER	7782-49-2	
Silver	0.32	mg/kg	0.20	6020	01/29/07 15:27	PER	7440-22-4	
Zinc	1,020	mg/kg	1.0	6020	01/29/07 15:27	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	6,000	8082	02/01/07 14:21	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	6,000	8082	02/01/07 14:21	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	6,000	8082	02/01/07 14:21	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	6,000	8082	02/01/07 14:21	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	6,000	8082	02/01/07 14:21	JANB	12672-29-6	Y
PCB-1254	36,000	ug/kg	6,000	8082	02/01/07 14:21	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	6,000	8082	02/01/07 14:21	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30402.04
 Sample Tag: FTR-MFG-02-164
 Collected Date/Time: 01/16/2007 13:20
 Matrix: Wipe
 COC Reference: 035723

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	10	8082	01/31/07 12:26	JANB	12674-11-2	Y
PCB-1221	Not detected	ug/100cm2	10	8082	01/31/07 12:26	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/100cm2	10	8082	01/31/07 12:26	JANB	11141-16-5	Y
PCB-1242	Not detected	ug/100cm2	10	8082	01/31/07 12:26	JANB	53469-21-9	Y
PCB-1248	Not detected	ug/100cm2	10	8082	01/31/07 12:26	JANB	12672-29-6	Y
PCB-1254	50	ug/100cm2	10	8082	01/31/07 12:26	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/100cm2	10	8082	01/31/07 12:26	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Jun 22, 2009 16:22

Lab Sample ID: S30402.05
 Sample Tag: WAL-MFG-BS-165
 Collected Date/Time: 01/16/2007 13:45
 Matrix: Wipe
 COC Reference: 035723

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	02/01/07 16:18	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/01/07 16:18	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/01/07 16:18	JANB	11141-16-5	
PCB-1242	0.4	ug/100cm2	1	8082	02/01/07 16:18	JANB	53469-21-9	J
PCB-1248	Not detected	ug/100cm2	1	8082	02/01/07 16:18	JANB	12672-29-6	
PCB-1254	0.6	ug/100cm2	1	8082	02/01/07 16:18	JANB	11097-69-1	J
PCB-1260	Not detected	ug/100cm2	1	8082	02/01/07 16:18	JANB	11096-82-5	

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

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Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30402.06
 Sample Tag: DUS-MFG-BS-166
 Collected Date/Time: 01/16/2007 14:00
 Matrix: Solid
 COC Reference: 035723

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	0.63	mg/kg	0.10	6020	01/29/07 15:30	PER	7440-38-2	
Barium	13.5	mg/kg	1.0	6020	01/29/07 15:30	PER	7440-39-3	
Cadmium	0.23	mg/kg	0.20	6020	01/29/07 15:30	PER	7440-43-9	
Chromium	4.0	mg/kg	1.0	6020	01/29/07 15:30	PER	7440-47-3	
Copper	9.7	mg/kg	1.0	6020	01/29/07 15:30	PER	7440-50-8	
Lead	5.3	mg/kg	1.0	6020	01/29/07 15:30	PER	7439-92-1	
Mercury	0.051	mg/kg	0.050	7471A	01/24/07 13:50	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 15:30	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 15:30	PER	7440-22-4	
Zinc	44.9	mg/kg	1.0	6020	01/29/07 15:30	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	2,000	8082	02/01/07 13:35	JANB	12674-11-2	Y
PCB-1242	6,000	ug/kg	2,000	8082	02/01/07 13:35	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	2,000	8082	02/01/07 13:35	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	2,000	8082	02/01/07 13:35	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	2,000	8082	02/01/07 13:35	JANB	12672-29-6	Y
PCB-1254	Not detected	ug/kg	2,000	8082	02/01/07 13:35	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	2,000	8082	02/01/07 13:35	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30402.07
 Sample Tag: OUN-MFG-01-167
 Collected Date/Time: 01/16/2007 14:20
 Matrix: Wipe
 COC Reference: 035723

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	2	8082	02/01/07 15:29	JANB	12674-11-2	Y
PCB-1221	Not detected	ug/100cm2	2	8082	02/01/07 15:29	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/100cm2	2	8082	02/01/07 15:29	JANB	11141-16-5	Y
PCB-1242	Not detected	ug/100cm2	2	8082	02/01/07 15:29	JANB	53469-21-9	Y
PCB-1248	Not detected	ug/100cm2	2	8082	02/01/07 15:29	JANB	12672-29-6	Y
PCB-1254	8	ug/100cm2	2	8082	02/01/07 15:29	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/100cm2	2	8082	02/01/07 15:29	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.08
Sample Tag: OFM-MFG-BS-168
Collected Date/Time: 01/16/2007 14:35
Matrix: Solid
COC Reference: 035723

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	02/01/07 18:58	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/01/07 18:58	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/01/07 18:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/01/07 18:58	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/01/07 18:58	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/01/07 18:58	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/01/07 18:58	JANB	11096-82-5	

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Lab Sample ID: S30402.09
 Sample Tag: OFM-MFG-01-169
 Collected Date/Time: 01/16/2007 14:55
 Matrix: Oil
 COC Reference: 035723

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	02/01/07 20:07	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/01/07 20:07	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/01/07 20:07	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/01/07 20:07	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/01/07 20:07	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/01/07 20:07	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/01/07 20:07	JANB	11096-82-5	

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Lab Sample ID: S30402.10
 Sample Tag: OFM-MFG-01-170
 Collected Date/Time: 01/16/2007 15:15
 Matrix: Wipe
 COC Reference: 035723

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	02/01/07 16:30	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/01/07 16:30	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/01/07 16:30	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	02/01/07 16:30	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	02/01/07 16:30	JANB	12672-29-6	
PCB-1254	2	ug/100cm2	1	8082	02/01/07 16:30	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	02/01/07 16:30	JANB	11096-82-5	

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Lab Sample ID: S30402.11
 Sample Tag: DUS-MFG-05-171
 Collected Date/Time: 01/16/2007 15:25
 Matrix: Solid
 COC Reference: 035723

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	1.60	mg/kg	0.10	6020	01/29/07 15:33	PER	7440-38-2	
Barium	35.2	mg/kg	1.0	6020	01/29/07 15:33	PER	7440-39-3	
Cadmium	0.33	mg/kg	0.20	6020	01/29/07 15:33	PER	7440-43-9	
Chromium	1.8	mg/kg	1.0	6020	01/29/07 15:33	PER	7440-47-3	
Copper	7.5	mg/kg	1.0	6020	01/29/07 15:33	PER	7440-50-8	
Lead	9.6	mg/kg	1.0	6020	01/29/07 15:33	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/24/07 13:52	JRT	7439-97-6	
Selenium	0.52	mg/kg	0.50	6020	01/29/07 15:33	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 15:33	PER	7440-22-4	
Zinc	49.3	mg/kg	1.0	6020	01/29/07 15:33	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	02/01/07 19:21	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/01/07 19:21	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/01/07 19:21	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/01/07 19:21	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/01/07 19:21	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/01/07 19:21	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/01/07 19:21	JANB	11096-82-5	

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Lab Sample ID: S30402.12
 Sample Tag: OFM-MFG-05-172
 Collected Date/Time: 01/16/2007 16:00
 Matrix: Oil
 COC Reference: 035723

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	02/01/07 19:44	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/01/07 19:44	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/01/07 19:44	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/01/07 19:44	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/01/07 19:44	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/01/07 19:44	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/01/07 19:44	JANB	11096-82-5	

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Lab Sample ID: S30402.13
 Sample Tag: OFM-MFG-02-173
 Collected Date/Time: 01/16/2007 16:10
 Matrix: Wipe
 COC Reference: 035724

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	02/01/07 16:41	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/01/07 16:41	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/01/07 16:41	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	02/01/07 16:41	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	02/01/07 16:41	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	02/01/07 16:41	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	02/01/07 16:41	JANB	11096-82-5	

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Lab Sample ID: S30402.14
 Sample Tag: TRA-MFG-04-174
 Collected Date/Time: 01/16/2007 16:45
 Matrix: Wipe
 COC Reference: 035724

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	02/01/07 16:53	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/01/07 16:53	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/01/07 16:53	JANB	11141-16-5	
PCB-1242	0.4	ug/100cm2	1	8082	02/01/07 16:53	JANB	53469-21-9	J
PCB-1248	Not detected	ug/100cm2	1	8082	02/01/07 16:53	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	02/01/07 16:53	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	02/01/07 16:53	JANB	11096-82-5	

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

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Lab Sample ID: S30402.15
 Sample Tag: OFM-MFG-04-175
 Collected Date/Time: 01/16/2007 17:05
 Matrix: Wipe
 COC Reference: 035724

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	5	8082	02/01/07 13:45	JANB	12674-11-2	Y
PCB-1221	Not detected	ug/100cm2	5	8082	02/01/07 13:45	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/100cm2	5	8082	02/01/07 13:45	JANB	11141-16-5	Y
PCB-1242	10	ug/100cm2	5	8082	02/01/07 13:45	JANB	53469-21-9	Y
PCB-1248	Not detected	ug/100cm2	5	8082	02/01/07 13:45	JANB	12672-29-6	Y
PCB-1254	Not detected	ug/100cm2	5	8082	02/01/07 13:45	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/100cm2	5	8082	02/01/07 13:45	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Lab Sample ID: S30402.16
 Sample Tag: OFM-MFG-04-176
 Collected Date/Time: 01/16/2007 17:25
 Matrix: Oil
 COC Reference: 035724

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	02/01/07 19:55	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/01/07 19:55	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/01/07 19:55	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/01/07 19:55	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/01/07 19:55	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/01/07 19:55	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/01/07 19:55	JANB	11096-82-5	

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Lab Sample ID: S30402.17
 Sample Tag: DUS-MFG-09-177
 Collected Date/Time: 01/16/2007 17:50
 Matrix: Solid
 COC Reference: 035724

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	1.50	mg/kg	0.10	6020	01/29/07 15:36	PER	7440-38-2	
Barium	18.8	mg/kg	1.0	6020	01/29/07 15:36	PER	7440-39-3	
Cadmium	0.31	mg/kg	0.20	6020	01/29/07 15:36	PER	7440-43-9	
Chromium	2.7	mg/kg	1.0	6020	01/29/07 15:36	PER	7440-47-3	
Copper	13.6	mg/kg	1.0	6020	01/29/07 15:36	PER	7440-50-8	
Lead	17.0	mg/kg	1.0	6020	01/29/07 15:36	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/24/07 13:53	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 15:36	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 15:36	PER	7440-22-4	
Zinc	175	mg/kg	1.0	6020	01/29/07 15:36	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	02/01/07 20:41	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/01/07 20:41	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/01/07 20:41	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/01/07 20:41	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/01/07 20:41	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/01/07 20:41	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/01/07 20:41	JANB	11096-82-5	

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Lab Sample ID: S30402.18
Sample Tag: OFM-MFG-02-178
Collected Date/Time: 01/16/2007 18:05
Matrix: Oil
COC Reference: 035724

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	02/01/07 20:18	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/01/07 20:18	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/01/07 20:18	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/01/07 20:18	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/01/07 20:18	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/01/07 20:18	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/01/07 20:18	JANB	11096-82-5	

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Lab Sample ID: S30402.19
 Sample Tag: OFM-MFG-02-179
 Collected Date/Time: 01/16/2007 18:10
 Matrix: Solid
 COC Reference: 035724

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	0.84	mg/kg	0.10	6020	01/29/07 15:39	PER	7440-38-2	
Barium	7.6	mg/kg	1.0	6020	01/29/07 15:39	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/07 15:39	PER	7440-43-9	
Chromium	7.5	mg/kg	1.0	6020	01/29/07 15:39	PER	7440-47-3	
Copper	4,000	mg/kg	1.0	6020	01/29/07 15:39	PER	7440-50-8	
Lead	1.9	mg/kg	1.0	6020	01/29/07 15:39	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/24/07 13:55	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 15:39	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 15:39	PER	7440-22-4	
Zinc	118	mg/kg	1.0	6020	01/29/07 15:39	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	02/01/07 19:10	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/01/07 19:10	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/01/07 19:10	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/01/07 19:10	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/01/07 19:10	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/01/07 19:10	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/01/07 19:10	JANB	11096-82-5	

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Lab Sample ID: S30402.20
 Sample Tag: OVN-MFG-02-180
 Collected Date/Time: 01/16/2007 18:25
 Matrix: Solid
 COC Reference: 035724

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:09	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	8082	01/30/07 17:14	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/30/07 17:14	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/30/07 17:14	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/30/07 17:14	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/30/07 17:14	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/30/07 17:14	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/30/07 17:14	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30402.21
 Sample Tag: OFM-MFG-01-181
 Collected Date/Time: 01/16/2007 18:30
 Matrix: Wipe
 COC Reference: 035724

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	02/01/07 17:04	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/01/07 17:04	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/01/07 17:04	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	02/01/07 17:04	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	02/01/07 17:04	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	02/01/07 17:04	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	02/01/07 17:04	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30402.22
Sample Tag: OFM-MFG-01-182
Collected Date/Time: 01/16/2007 18:30
Matrix: Wipe
COC Reference: 035724

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	02/01/07 17:15	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/01/07 17:15	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/01/07 17:15	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	02/01/07 17:15	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	02/01/07 17:15	JANB	12672-29-6	
PCB-1254	1	ug/100cm2	1	8082	02/01/07 17:15	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	02/01/07 17:15	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30402.23
 Sample Tag: WAL-MFG-01-183
 Collected Date/Time: 01/16/2007 18:45
 Matrix: Wipe
 COC Reference: 035724

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	02/01/07 17:27	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/01/07 17:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/01/07 17:27	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	02/01/07 17:27	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	02/01/07 17:27	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	02/01/07 17:27	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	02/01/07 17:27	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.24
 Sample Tag: FLR-MFG-BS-184
 Collected Date/Time: 01/17/2007 08:15
 Matrix: Solid
 COC Reference: 035725

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	2.16	mg/kg	0.10	6020	01/29/07 15:41	PER	7440-38-2	
Barium	35.1	mg/kg	1.0	6020	01/29/07 15:41	PER	7440-39-3	
Cadmium	0.35	mg/kg	0.20	6020	01/29/07 15:41	PER	7440-43-9	
Chromium	6.1	mg/kg	1.0	6020	01/29/07 15:41	PER	7440-47-3	
Copper	5.0	mg/kg	1.0	6020	01/29/07 15:41	PER	7440-50-8	
Lead	4.1	mg/kg	1.0	6020	01/29/07 15:41	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/24/07 13:57	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 15:41	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 15:41	PER	7440-22-4	
Zinc	13.7	mg/kg	1.0	6020	01/29/07 15:41	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 17:35	JANB	12674-11-2	
PCB-1242	700	ug/kg	1,000	8082	01/31/07 17:35	JANB	53469-21-9	J
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 17:35	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 17:35	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/31/07 17:35	JANB	12672-29-6	
PCB-1254	200	ug/kg	1,000	8082	01/31/07 17:35	JANB	11097-69-1	J
PCB-1260	500	ug/kg	1,000	8082	01/31/07 17:35	JANB	11096-82-5	J

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

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Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.25
 Sample Tag: FLR-MFG-BS-185
 Collected Date/Time: 01/17/2007 08:40
 Matrix: Solid
 COC Reference: 035725

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	2.47	mg/kg	0.10	6020	01/29/07 15:47	PER	7440-38-2	
Barium	36.1	mg/kg	1.0	6020	01/29/07 15:47	PER	7440-39-3	
Cadmium	0.34	mg/kg	0.20	6020	01/29/07 15:47	PER	7440-43-9	
Chromium	6.9	mg/kg	1.0	6020	01/29/07 15:47	PER	7440-47-3	
Copper	5.6	mg/kg	1.0	6020	01/29/07 15:47	PER	7440-50-8	
Lead	3.4	mg/kg	1.0	6020	01/29/07 15:47	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/24/07 13:59	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 15:47	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 15:47	PER	7440-22-4	
Zinc	16.2	mg/kg	1.0	6020	01/29/07 15:47	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/30/07 18:32	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/07 18:32	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/07 18:32	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/07 18:32	JANB	11141-16-5	
PCB-1248	200	ug/kg	1,000	8082	01/30/07 18:32	JANB	12672-29-6	J
PCB-1254	300	ug/kg	1,000	8082	01/30/07 18:32	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/07 18:32	JANB	11096-82-5	

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

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Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.26
 Sample Tag: SMP-MFG-BS-186
 Collected Date/Time: 01/17/2007 08:45
 Matrix: Solid
 COC Reference: 035725

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	1.64	mg/kg	0.10	6020	01/29/07 15:44	PER	7440-38-2	
Barium	74.0	mg/kg	1.0	6020	01/29/07 15:44	PER	7440-39-3	
Cadmium	1.04	mg/kg	0.20	6020	01/29/07 15:44	PER	7440-43-9	
Chromium	5.3	mg/kg	1.0	6020	01/29/07 15:44	PER	7440-47-3	
Copper	10.7	mg/kg	1.0	6020	01/29/07 15:44	PER	7440-50-8	
Lead	25.8	mg/kg	1.0	6020	01/29/07 15:44	PER	7439-92-1	
Mercury	0.060	mg/kg	0.050	7471A	01/24/07 14:01	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 15:44	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 15:44	PER	7440-22-4	
Zinc	133	mg/kg	1.0	6020	01/29/07 15:44	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	20,000	8082	02/01/07 10:10	JANB	12674-11-2	Y
PCB-1242	140,000	ug/kg	20,000	8082	02/01/07 10:10	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	20,000	8082	02/01/07 10:10	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	20,000	8082	02/01/07 10:10	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	20,000	8082	02/01/07 10:10	JANB	12672-29-6	Y
PCB-1254	Not detected	ug/kg	20,000	8082	02/01/07 10:10	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	20,000	8082	02/01/07 10:10	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.27
 Sample Tag: TRA-MFG-01-187
 Collected Date/Time: 01/17/2007 09:10
 Matrix: Wipe
 COC Reference: 035725

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides**PCB Swab List**

PCB-1016	Not detected	ug/100cm2	1	8082	02/01/07 15:19	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/01/07 15:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/01/07 15:19	JANB	11141-16-5	
PCB-1242	4	ug/100cm2	1	8082	02/01/07 15:19	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	02/01/07 15:19	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	02/01/07 15:19	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	02/01/07 15:19	JANB	11096-82-5	

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Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30402.28
 Sample Tag: TRA-MFG-01-188
 Collected Date/Time: 01/17/2007 09:15
 Matrix: Wipe
 COC Reference: 035725

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	10	8082	02/01/07 14:57	JANB	12674-11-2	Y
PCB-1221	Not detected	ug/100cm2	10	8082	02/01/07 14:57	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/100cm2	10	8082	02/01/07 14:57	JANB	11141-16-5	Y
PCB-1242	Not detected	ug/100cm2	10	8082	02/01/07 14:57	JANB	53469-21-9	Y
PCB-1248	Not detected	ug/100cm2	10	8082	02/01/07 14:57	JANB	12672-29-6	Y
PCB-1254	Not detected	ug/100cm2	10	8082	02/01/07 14:57	JANB	11097-69-1	Y
PCB-1260	22	ug/100cm2	10	8082	02/01/07 14:57	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Jun 22, 2009 16:22

Lab Sample ID: S30402.29
 Sample Tag: TRA-MFG-01-189
 Collected Date/Time: 01/17/2007 09:20
 Matrix: Wipe
 COC Reference: 035725

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	5	8082	02/01/07 14:30	JANB	12674-11-2	Y
PCB-1221	Not detected	ug/100cm2	5	8082	02/01/07 14:30	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/100cm2	5	8082	02/01/07 14:30	JANB	11141-16-5	Y
PCB-1242	20	ug/100cm2	5	8082	02/01/07 14:30	JANB	53469-21-9	Y
PCB-1248	Not detected	ug/100cm2	5	8082	02/01/07 14:30	JANB	12672-29-6	Y
PCB-1254	Not detected	ug/100cm2	5	8082	02/01/07 14:30	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/100cm2	5	8082	02/01/07 14:30	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Jun 22, 2009 16:22

Lab Sample ID: S30402.30
 Sample Tag: TRA-MFG-01-190
 Collected Date/Time: 01/17/2007 09:25
 Matrix: Wipe
 COC Reference: 035725

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	10	8082	02/01/07 15:40	JANB	12674-11-2	Y
PCB-1221	Not detected	ug/100cm2	10	8082	02/01/07 15:40	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/100cm2	10	8082	02/01/07 15:40	JANB	11141-16-5	Y
PCB-1242	Not detected	ug/100cm2	10	8082	02/01/07 15:40	JANB	53469-21-9	Y
PCB-1248	53	ug/100cm2	10	8082	02/01/07 15:40	JANB	12672-29-6	Y
PCB-1254	Not detected	ug/100cm2	10	8082	02/01/07 15:40	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/100cm2	10	8082	02/01/07 15:40	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

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Jun 22, 2009 16:22

Lab Sample ID: S30402.31
Sample Tag: TRA-MFG-01-191
Collected Date/Time: 01/17/2007 09:30
Matrix: Wipe
COC Reference: 035725

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	02/02/07 15:32	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/02/07 15:32	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/02/07 15:32	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	02/02/07 15:32	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	02/02/07 15:32	JANB	12672-29-6	
PCB-1254	1	ug/100cm2	1	8082	02/02/07 15:32	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	02/02/07 15:32	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.32
 Sample Tag: FLR-MFG-04-192
 Collected Date/Time: 01/17/2007 10:00
 Matrix: Wipe
 COC Reference: 035725

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	02/01/07 17:49	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/01/07 17:49	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/01/07 17:49	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	02/01/07 17:49	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	02/01/07 17:49	JANB	12672-29-6	
PCB-1254	0.8	ug/100cm2	J	8082	02/01/07 17:49	JANB	11097-69-1	J
PCB-1260	Not detected	ug/100cm2	1	8082	02/01/07 17:49	JANB	11096-82-5	

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

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.33
 Sample Tag: FLR-MFG-04-193
 Collected Date/Time: 01/17/2007 10:05
 Matrix: Wipe
 COC Reference: 035725

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	02/01/07 18:01	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/01/07 18:01	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/01/07 18:01	JANB	11141-16-5	
PCB-1242	0.6	ug/100cm2	1	8082	02/01/07 18:01	JANB	53469-21-9	J
PCB-1248	Not detected	ug/100cm2	1	8082	02/01/07 18:01	JANB	12672-29-6	
PCB-1254	0.3	ug/100cm2	1	8082	02/01/07 18:01	JANB	11097-69-1	J
PCB-1260	Not detected	ug/100cm2	1	8082	02/01/07 18:01	JANB	11096-82-5	

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

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 Jun 22, 2009 16:22



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.34
Sample Tag: FLR-YAR-01-194
Collected Date/Time: 01/17/2007 10:25
Matrix: Solid
COC Reference: 035725

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/30/07 17:47	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/07 17:47	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/07 17:47	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/07 17:47	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/07 17:47	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/07 17:47	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/07 17:47	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.35
 Sample Tag: FLR-MFG-BS-195
 Collected Date/Time: 01/17/2007 10:50
 Matrix: Solid
 COC Reference: 035725

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	0.60	mg/kg	0.10	6020	01/29/07 16:05	PER	7440-38-2	
Barium	24.2	mg/kg	1.0	6020	01/29/07 16:05	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/07 16:05	PER	7440-43-9	
Chromium	1.6	mg/kg	1.0	6020	01/29/07 16:05	PER	7440-47-3	
Copper	6.2	mg/kg	1.0	6020	01/29/07 16:05	PER	7440-50-8	
Lead	4.0	mg/kg	1.0	6020	01/29/07 16:05	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/24/07 14:02	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 16:05	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 16:05	PER	7440-22-4	
Zinc	45.3	mg/kg	1.0	6020	01/29/07 16:05	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/30/07 18:21	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/07 18:21	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/07 18:21	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/07 18:21	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/07 18:21	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/07 18:21	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/07 18:21	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.36
 Sample Tag: OFM-EAD-OR-196
 Collected Date/Time: 01/17/2007 11:45
 Matrix: Oil
 COC Reference: 035726

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	02/01/07 20:29	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/01/07 20:29	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/01/07 20:29	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/01/07 20:29	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/01/07 20:29	JANB	12672-29-6	
PCB-1254	3,000	ug/kg	1,000	8082	02/01/07 20:29	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/01/07 20:29	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.37
 Sample Tag: FLR-SRB-BS-197
 Collected Date/Time: 01/17/2007 12:10
 Matrix: Solid
 COC Reference: 035726

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	1.58	mg/kg	0.10	6020	01/29/07 16:08	PER	7440-38-2	
Barium	80.8	mg/kg	1.0	6020	01/29/07 16:08	PER	7440-39-3	
Cadmium	2.27	mg/kg	0.20	6020	01/29/07 16:08	PER	7440-43-9	
Chromium	11.8	mg/kg	1.0	6020	01/29/07 16:08	PER	7440-47-3	
Copper	164	mg/kg	1.0	6020	01/29/07 16:08	PER	7440-50-8	
Lead	83.6	mg/kg	1.0	6020	01/29/07 16:08	PER	7439-92-1	
Mercury	0.354	mg/kg	0.050	7471A	01/24/07 14:04	JRT	7439-97-6	
Selenium	0.52	mg/kg	0.50	6020	01/29/07 16:08	PER	7782-49-2	
Silver	0.43	mg/kg	0.20	6020	01/29/07 16:08	PER	7440-22-4	
Zinc	1,410	mg/kg	1.0	6020	01/29/07 16:08	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	02/01/07 18:47	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/01/07 18:47	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/01/07 18:47	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/01/07 18:47	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/01/07 18:47	JANB	12672-29-6	
PCB-1254	300	ug/kg	1,000	8082	02/01/07 18:47	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	02/01/07 18:47	JANB	11096-82-5	

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

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Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30402.38
 Sample Tag: FLR-LNA-01-198
 Collected Date/Time: 01/17/2007 13:00
 Matrix: Wipe
 COC Reference: 035726

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	02/01/07 18:12	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/01/07 18:12	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/01/07 18:12	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	02/01/07 18:12	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	02/01/07 18:12	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	02/01/07 18:12	JANB	11097-69-1	
PCB-1260	0.7	ug/100cm2	1	8082	02/01/07 18:12	JANB	11096-82-5	J

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

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Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30402.39
 Sample Tag: TRN-WTP-01-199
 Collected Date/Time: 01/17/2007 13:25
 Matrix: Solid
 COC Reference: 035726

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.5	IR

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

Extraction, PCB	Completed			3550B	01/30/07 13:11	JAC		
Mercury Digestion	Completed			7471A	01/23/07 13:00	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	1.47	mg/kg	0.10	6020	01/29/07 16:11	PER	7440-38-2	
Barium	3.5	mg/kg	1.0	6020	01/29/07 16:11	PER	7440-39-3	
Cadmium	0.32	mg/kg	0.20	6020	01/29/07 16:11	PER	7440-43-9	
Chromium	39.5	mg/kg	1.0	6020	01/29/07 16:11	PER	7440-47-3	
Copper	54.3	mg/kg	1.0	6020	01/29/07 16:11	PER	7440-50-8	
Lead	5.4	mg/kg	1.0	6020	01/29/07 16:11	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/24/07 14:06	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 16:11	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 16:11	PER	7440-22-4	
Zinc	296	mg/kg	1.0	6020	01/29/07 16:11	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	02/01/07 19:33	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/01/07 19:33	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/01/07 19:33	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/01/07 19:33	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/01/07 19:33	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/01/07 19:33	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/01/07 19:33	JANB	11096-82-5	

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C.O.C. PAGE # 1 OF 4

035723

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GEAR**
 ADDRESS: **33469 W. 14 MILE RD, SUITE 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE:
 PHONE NO: **248-661-3745** FAX NO: **248-661-4057** P.O. NO.
 E-MAIL ADDRESS: **moorewim@obg.com / jep12@aol.com** QUOTE NO.

CONTACT NAME: **KEN GEMBEL** SAME
 COMPANY: **GENERAL MOTORS, PCC CENTRAL**
 ADDRESS: **2000 CENTER POINT PARKWAY, M.C. 483-520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO. FAX NO. P.O. NO.

PROJECT NO./NAME: **Saginaw Malleable Iron** SAMPLER(S) - PLEASE PRINT/SIGN NAME: **Jim Palmieri / Dave Seaman**
 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	MAY/NOV	# OF BOTTLES	NAME	HCl	HNO ₃	H ₂ SO ₄	H ₂ O ₂	H ₂ CO ₃	OTHER	PCP	TOTAL METALS	CONE-ID	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME														
30402.01	1/16/17	12:15	OFM-MFG-06-161	SD	1	✓							✓	✓		62FT LEVEL #4 SAND LINE @ B-20
.02		12:30	DUS-MFG-04-162	SD	1	✓							✓	✓		35FT LEVEL #4 SAND LINE @ A-20
.03		1:00	DUS-MFG-02-163	SD	1	✓							✓	✓		#272133 DUMP @ C-31
.04		1:20	FTR-MFG-02-164	M	1	✓							✓	✓		SCRUBBER V-SC3B-13T @ C-26
.05		1:45	WAL-MFG-BS-165	M	1	✓							✓	✓		COLUMN WIPE @ B-29
.06		2:00	DUS-MFG-BS-166	SD	1	✓							✓	✓		DEBRIS ON FLOOR @ B-27
.07		2:20	OUN-MFG-01-167	SD	1	✓							✓	✓		SAND LINE #2 FURNACE A-10.4
.08		2:35	OFM-MFG-BS-168	SD	1	✓							✓	✓		COMPOSITE GREASE FROM BASEMENT EQUIP @ D-4
.09		2:55	OFM-MFG-01-169	O	1	✓							✓	✓		COMPOSITE OIL SAMPLE HYD PMP @ D-40, PLUMBER
.10		3:15	OFM-MFG-01-170	M	1	✓							✓	✓		LINE #2 DIE-MOLD MACHINE @ D40
.11		3:25	DUS-MFG-05-171	SD	1	✓							✓	✓		DUST ON BEAMS @ F-40
.12		4:00	OFM-MFG-05-172	O	1	✓							✓	✓		BLENDING DUMP, 3 SAND ELEVATORS @ D-40

RELINQUISHED BY: *[Signature]* DATE: **1/17/17** TIME: **16:30**
 RECEIVED BY: *[Signature]* DATE: **1-17-17** TIME: **16:58**
 RELINQUISHED BY: **John Messinger** DATE: DATE TIME
 RECEIVED BY: DATE TIME

RELINQUISHED BY: *[Signature]* DATE: **1-17-17** TIME: **16:30**
 RECEIVED BY: *[Signature]* DATE: **1-17-17** TIME: **16:58**
 SEAL NO. SEAL INTACT YES NO INITIALS: **44**
 SEAL NO. SEAL INTACT YES NO INITIALS: NOTES: TEMP. ON ARRIVAL



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C.O.C. PAGE # 2 OF 4

035724

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & BERE**
 ADDRESS: **33469 W. 14 MILE RD SUITE 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE: **48331**
 PHONE NO.: **248-661-3745** FAX NO.: **248-661-4057** P.O. NO.:
 E-MAIL ADDRESS: **moorewm@obg.com / jep12@aol.com** QUOTE NO.:

CONTACT NAME: **KEN GEMBEL** SAME
 COMPANY: **GENERAL MOTORS, PCC CENTRAL**
 ADDRESS: **2000 CENTERPOINT PARKWAY, MC. 483-520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO.: FAX NO.: P.O. NO.:

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME: **SAGINAW MALLEABLE IRON** SAMPLER(S) - PLEASE PRINT SIGNATURE: **JIM PALMIERI / DAVE SEAMANS**
 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 SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC Containers & Preservatives

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATERIAL	# OF BOTTLES	NO. OF CONTAINERS	HC	HNO ₃	H ₂ SO ₄	HNO ₂	H ₂ O ₂	H ₂ CO ₃	OTHER	ANALYSIS	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME													
3040213	6/16/07	4:10	OFM-MFG-02-173	M	1	1									PRE HEAT CHARGE BUCKET
.14		4:45	TRA-MFG-04-174	M	1	1									#273406 BOWLINE ALLEY REPAIR
.15		5:05	OFM-MFG-04-175	M	1	1									PUMP IN HYDRAULIC ROOM - BOWLINE ALLEY
.16		5:25	OFM-MFG-04-176	O	1	1									PREPARED SAND CROSS BITE 64-0.2T, 6B @ C-0.06 FROM EQUIPMENT @ Cc-0.23
.17		5:50	DUS-MFG-09-177	SD	1	1									
.18		6:05	OFM-MFG-02-178	O	1	1									LINA, MILLER 1 1/2 DIA. BAT @ E-1 @ FO.27
.19		6:10	OFM-MFG-02-179	SD	1	1									DEBRIS ON CORE "R" PUNCH OUT @ 6-0.27
.20		6:25	OVN-MFG-02-180	SD	1	1									MELTING POT #1 FROM TROUGH, @ Am-0.3
.21		6:30	OFM-MFG-01-181	M	1	1									WIPE OF EQUIPMENT ISOPET AREA @ E-13.1
.22		6:30	OFM-MFG-01-182	M	1	1									SD CORE MACHINE JB-13
.23		6:45	WAL-MFG-01-183	M	1	1									WALL AT D-0.27

RELINQUISHED BY: *[Signature]* DATE: **6/17/07** TIME: **16:30**
 RECEIVED BY: *[Signature]* DATE: **6/17/07** TIME: **16:30**
 RELINQUISHED BY: *[Signature]* DATE: **6/17/07** TIME: **16:30**
 RECEIVED BY: *[Signature]* DATE: **6/17/07** TIME: **16:30**
 SEAL NO. SEAL INTACT YES NO INITIALS: **John Messinger**
 SEAL NO. SEAL INTACT YES NO INITIALS: **Paula**
 NOTES: **TEMP. ON ARRIVAL 44**



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035725

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GERE**
 ADDRESS: **33469 W. 14 MILE RD SUITE 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE: **48331**
 PHONE NO.: **248-661-3745** FAX NO.: **248-661-4057**
 E-MAIL ADDRESS: **moorewm@obg.com/jep12@aol.com**

CONTACT NAME: **KEN GEMBEL** SAME
 COMPANY: **GENERAL MOTORS, PCC CENTRAL**
 ADDRESS: **2000 CENTERPOINT PARKWAY M.C. 483-520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO. FAX NO. P.O. NO.

PROJECT NO./NAME: **SAGINAW MALLEABLE IRON** SAMPLER(S) - PLEASE PRINT SIGN NAME: **JIM PALMIERI & DAVE SEAMANS**
 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 VV=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	MAY/NOV	# OF BOTTLES	NOV	HCL	HNO3	H2SO4	HNOH	H2O2	OTHER	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME											
30402.24	1/17/07	8:15	FLR-MFG-BS-184	✓	1	✓							SAND LINE #2 @ B26
.25		8:40	FLR-MFG-BS-185	✓	1	✓							" " " @ B20
.26		8:45	SMP-MFG-BS-186	✓	1	✓							" " " @ A20
.27		9:10	TRA-MFG-01-187	M	1	✓							TRA - EOL5
.28		9:15	TRA-MFG-01-188	M	1	✓							TRA - DOL4
.29		9:20	TRA-MFG-01-189	M	1	✓							TRA COL3
.30		9:25	TRA-MFG-01-190	M	1	✓							TRA BOL2
.31		9:30	TRA-MFG-01-191	M	1	✓							TRA AOL1
.32		10:00	FLR-MFG-04-192	M	1	✓							BOWLING ALLEY @ J-0129
.33		10:05	FLR-MFG-04-193	M	1	✓							BOWLING ALLEY @ J-0129
.34		10:25	FLR-YAIR-01-194	SD	1	✓							CONSUMERS POWER Leased BLDG
.35		10:50	FLR-MFG-BS-195	SD	1	✓							SAND LINE #2 BASEMENT DEBRIS

RELINQUISHED BY: SIGNATURE/ORGANIZATION: *[Signature]* DATE: 1/17/07 TIME: []
 RECEIVED BY: SIGNATURE/ORGANIZATION: *[Signature]* DATE: 1-17-07 TIME: 1:30
 RELINQUISHED BY: SIGNATURE/ORGANIZATION: *[Signature]* DATE: [] TIME: []
 RECEIVED BY: SIGNATURE/ORGANIZATION: *[Signature]* DATE: [] TIME: []

SEAL NO. SEAL INTACT YES NO INITIALS: [] NOTES: TEMP. ON ARRIVAL: 44



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

C.O.C. PAGE # 4 OF 4

035726

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GERE**
 ADDRESS: **33469 W. 14 MILE RD SUITE 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE: **48331**
 PHONE NO.: **248-661-3745** FAX NO.: **248-661-4057** P.O. NO.:
 E-MAIL ADDRESS: **moorewm@obg.com / jep12@aol.com** QUOTE NO.:

CONTACT NAME: **KEN GEMBEL** SAME
 COMPANY: **GENERAL MOTORS, PCC CENTRAL**
 ADDRESS: **2000 CENTERPOINT PARKWAY**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO.: FAX NO.: P.O. NO.:

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME: **SAGINAW MALLEABLE IRON** SAMPLER(S) - PLEASE PRINT/SIGN NAME: **JIM PALMERI / DAVE SEAMAN'S**
 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	MATERIAL	# OF BOTTLES	MOVIE	HCL	HNO3	H2SO4	HNO2	HNO3	H2O2	OTHER						SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME																	
30402.36	1/17/07	11:45	OFM-EAD-OR-196																ELEVATIONS - PATTERN SHOP & SIDES
.37		12:10	FLR-SRB-BS-197																TUNNEL TO OLD ADVAN
.38		11:00	FLR-LNA-01-198																LNAPL FLOOR
.39		1:25	TRN-WTP-01-199																WTP TRENCH - N-Side

RELINQUISHED BY: SIGNATURE/ORGANIZATION: *[Signature]* DATE: 1/17/07 TIME: 1630
 RECEIVED BY: SIGNATURE/ORGANIZATION: *[Signature]* DATE: 1-17-07 TIME: 1630
 RELINQUISHED BY: SIGNATURE/ORGANIZATION: *[Signature]* DATE: TIME: **John Messinger**
 RECEIVED BY: SIGNATURE/ORGANIZATION: *[Signature]* DATE: TIME: **Arcadis**
 SEAL NO. SEAL INTACT YES NO INITIALS: NOTES: TEMP. ON ARRIVAL: 44



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Report ID: S30445.01(01)

Generated on 01/31/2007

Report to

Attention: Bill Moore/Jim Palmieri
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057

Email: jep12@aol.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): S30445.01-S30445.15
Project: Saginaw Malleable Iron
Collected Date: 01/17/2007 - 01/18/2007
Submitted Date/Time: 01/19/2007 15:50
Sampled by: D. Seamans/J. Pal
P.O. #: GMS07385

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John Messinger
Arcadis
Jun 22, 2009 16:22

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.

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Sample Summary (15 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S30445.01	SMP-MFG-BS-200	Solid	01/17/2007 16:20
S30445.02	OFM-MFG-BS-201	Wipe	01/17/2007 16:30
S30445.03	OFM-MFG-03-202	Solid	01/17/2007 16:45
S30445.04	OVN-MFG-01-203	Solid	01/17/2007 17:10
S30445.05	WAL-MFG-02-204	Solid	01/17/2007 17:15
S30445.06	WAL-MFG-02-205	Solid	01/17/2007 17:15
S30445.07	FLR-MFG-BS-206	Solid	01/17/2007 17:25
S30445.08	OFM-MFG-01-207	Oil	01/17/2007 17:30
S30445.09	SMP-MFG-01-208	Sludge	01/18/2007 14:05
S30445.10	SMP-MFG-01-209	Sludge	01/18/2007 14:25
S30445.11	SMP-MFG-01-210	Sludge	01/18/2007 14:40
S30445.12	FLR-CMG-01-211	Sludge	01/18/2007 15:00
S30445.13	SMP-CMG-01-212	Sludge	01/18/2007 15:30
S30445.14	SMP-CMG-BS-213	Sludge	01/18/2007 15:45
S30445.15	TRN-EAD-01-214	Sludge	01/18/2007 15:50

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Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30445.01
Sample Tag: SMP-MFG-BS-200
Collected Date/Time: 01/17/2007 16:20
Matrix: Solid
COC Reference: 035729

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 14:47	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 14:47	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 14:47	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 14:47	JANB	11141-16-5	
PCB-1248	3,000	ug/kg	1,000	8082	01/31/07 14:47	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/31/07 14:47	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 14:47	JANB	11096-82-5	

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Lab Sample ID: S30445.02
 Sample Tag: OFM-MFG-BS-201
 Collected Date/Time: 01/17/2007 16:30
 Matrix: Wipe
 COC Reference: 035729

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
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Organics - PCBs/Pesticides

PCB Swab List

PCB-1016	Not detected	ug/100cm2	1	8082	01/31/07 16:11	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/31/07 16:11	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/31/07 16:11	JANB	11141-16-5	
PCB-1242	0.3	ug/100cm2	1	8082	01/31/07 16:11	JANB	53469-21-9	J
PCB-1248	Not detected	ug/100cm2	1	8082	01/31/07 16:11	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/31/07 16:11	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/31/07 16:11	JANB	11096-82-5	

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

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Lab Sample ID: S30445.03
Sample Tag: OFM-MFG-03-202
Collected Date/Time: 01/17/2007 16:45
Matrix: Solid
COC Reference: 035729

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 15:08	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 15:08	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 15:08	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 15:08	JANB	11141-16-5	
PCB-1248	300	ug/kg	1,000	8082	01/31/07 15:08	JANB	12672-29-6	J
PCB-1254	200	ug/kg	1,000	8082	01/31/07 15:08	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 15:08	JANB	11096-82-5	

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

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Lab Sample ID: S30445.04
Sample Tag: OVN-MFG-01-203
Collected Date/Time: 01/17/2007 17:10
Matrix: Solid
COC Reference: 035729

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 13:04	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 13:04	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 13:04	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 13:04	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/31/07 13:04	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/31/07 13:04	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 13:04	JANB	11096-82-5	

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Lab Sample ID: S30445.05
 Sample Tag: WAL-MFG-02-204
 Collected Date/Time: 01/17/2007 17:15
 Matrix: Solid
 COC Reference: 035729

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 16:21	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 16:21	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 16:21	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 16:21	JANB	11141-16-5	
PCB-1248	1,800	ug/kg	1,000	8082	01/31/07 16:21	JANB	12672-29-6	
PCB-1254	1,800	ug/kg	1,000	8082	01/31/07 16:21	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 16:21	JANB	11096-82-5	

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Lab Sample ID: S30445.06
 Sample Tag: WAL-MFG-02-205
 Collected Date/Time: 01/17/2007 17:15
 Matrix: Solid
 COC Reference: 035729

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 13:29	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 13:29	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 13:29	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 13:29	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/31/07 13:29	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/31/07 13:29	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 13:29	JANB	11096-82-5	

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Analytical Laboratory Report

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Jun 22, 2009 16:22

Lab Sample ID: S30445.07
 Sample Tag: FLR-MFG-BS-206
 Collected Date/Time: 01/17/2007 17:25
 Matrix: Solid
 COC Reference: 035729

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
Mercury Digestion	Completed			7471A	01/25/07 12:30	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Metals

Arsenic	0.61	mg/kg	0.10	6020	01/29/07 16:13	PER	7440-38-2	
Barium	10.8	mg/kg	1.0	6020	01/29/07 16:13	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/07 16:13	PER	7440-43-9	
Chromium	Not detected	mg/kg	1.0	6020	01/29/07 16:13	PER	7440-47-3	
Copper	2.3	mg/kg	1.0	6020	01/29/07 16:13	PER	7440-50-8	
Lead	2.2	mg/kg	1.0	6020	01/29/07 16:13	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/25/07 14:35	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 16:13	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 16:13	PER	7440-22-4	
Zinc	26.6	mg/kg	1.0	6020	01/29/07 16:13	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 13:14	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 13:14	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 13:14	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 13:14	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/31/07 13:14	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/31/07 13:14	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 13:14	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30445.08
 Sample Tag: OFM-MFG-01-207
 Collected Date/Time: 01/17/2007 17:30
 Matrix: Oil
 COC Reference: 035729

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 15:50	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 15:50	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 15:50	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 15:50	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/31/07 15:50	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/31/07 15:50	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 15:50	JANB	11096-82-5	

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 Jun 22, 2009 16:22



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30445.09
 Sample Tag: SMP-MFG-01-208
 Collected Date/Time: 01/18/2007 14:05
 Matrix: Sludge
 COC Reference: 035727

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
Mercury Digestion	Completed			7471A	01/25/07 12:30	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Inorganics

Total Solids	48.4	%	1	160.3	01/22/07 19:59	LBR		
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Metals

Arsenic	57.4	mg/kg	0.10	6020	01/29/07 16:16	PER	7440-38-2	
Barium	113	mg/kg	1.0	6020	01/29/07 16:16	PER	7440-39-3	
Cadmium	0.91	mg/kg	0.20	6020	01/29/07 16:16	PER	7440-43-9	
Chromium	1.9	mg/kg	1.0	6020	01/29/07 16:16	PER	7440-47-3	
Copper	12.7	mg/kg	1.0	6020	01/29/07 16:16	PER	7440-50-8	
Lead	30.8	mg/kg	1.0	6020	01/29/07 16:16	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/25/07 14:37	JRT	7439-97-6	
Selenium	2.94	mg/kg	0.50	6020	01/29/07 16:16	PER	7782-49-2	
Silver	0.25	mg/kg	0.20	6020	01/29/07 16:16	PER	7440-22-4	
Zinc	135	mg/kg	1.0	6020	01/29/07 16:16	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 13:39	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 13:39	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 13:39	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 13:39	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/31/07 13:39	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/31/07 13:39	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 13:39	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30445.10
 Sample Tag: SMP-MFG-01-209
 Collected Date/Time: 01/18/2007 14:25
 Matrix: Sludge
 COC Reference: 035727

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
Mercury Digestion	Completed			7471A	01/25/07 12:30	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Inorganics

Total Solids	76	%	1	160.3	01/22/07 19:59	LBR		
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Metals

Arsenic	1.73	mg/kg	0.10	6020	01/29/07 16:19	PER	7440-38-2	
Barium	10.1	mg/kg	1.0	6020	01/29/07 16:19	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/07 16:19	PER	7440-43-9	
Chromium	Not detected	mg/kg	1.0	6020	01/29/07 16:19	PER	7440-47-3	
Copper	3.6	mg/kg	1.0	6020	01/29/07 16:19	PER	7440-50-8	
Lead	5.5	mg/kg	1.0	6020	01/29/07 16:19	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/25/07 14:39	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 16:19	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 16:19	PER	7440-22-4	
Zinc	36.8	mg/kg	1.0	6020	01/29/07 16:19	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 13:50	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 13:50	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 13:50	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 13:50	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/31/07 13:50	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/31/07 13:50	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 13:50	JANB	11096-82-5	

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Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30445.11
 Sample Tag: SMP-MFG-01-210
 Collected Date/Time: 01/18/2007 14:40
 Matrix: Sludge
 COC Reference: 035727

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
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Inorganics

Total Solids	60	%	1	160.3	01/22/07 19:59	LBR		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 15:18	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 15:18	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 15:18	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 15:18	JANB	11141-16-5	
PCB-1248	2,000	ug/kg	1,000	8082	01/31/07 15:18	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/31/07 15:18	JANB	11097-69-1	
PCB-1260	3,000	ug/kg	1,000	8082	01/31/07 15:18	JANB	11096-82-5	

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 Jun 22, 2009 16:22



Analytical Laboratory Report

Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30445.12
 Sample Tag: FLR-CMG-01-211
 Collected Date/Time: 01/18/2007 15:00
 Matrix: Sludge
 COC Reference: 035727

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			7471A	01/25/07 12:30	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		
Inorganics								
pH	1.34	STD Units	0.1	9045D	01/23/07 19:36	LBR		
Releasable Cyanide	Not detected	mg/kg	1	9010B	01/30/07 12:52	JDP	57-12-5	
Releasable Sulfide	Not detected	mg/kg	4	9030B	01/30/07 11:08	JDP		
Total Solids	80	%	1	160.3	01/22/07 19:59	LBR		
Metals								
Arsenic	5.34	mg/kg	0.10	6020	01/29/07 16:22	PER	7440-38-2	
Barium	29.6	mg/kg	1.0	6020	01/29/07 16:22	PER	7440-39-3	
Cadmium	0.46	mg/kg	0.20	6020	01/29/07 16:22	PER	7440-43-9	
Chromium	70.0	mg/kg	1.0	6020	01/29/07 16:22	PER	7440-47-3	
Copper	179	mg/kg	1.0	6020	01/29/07 16:22	PER	7440-50-8	
Lead	194	mg/kg	1.0	6020	01/29/07 16:22	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/25/07 14:43	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 16:22	PER	7782-49-2	
Silver	0.86	mg/kg	0.20	6020	01/29/07 16:22	PER	7440-22-4	
Zinc	60.1	mg/kg	1.0	6020	01/29/07 16:22	PER	7440-66-6	

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Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30445.13
 Sample Tag: SMP-CMG-01-212
 Collected Date/Time: 01/18/2007 15:30
 Matrix: Sludge
 COC Reference: 035727

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
Mercury Digestion	Completed			7471A	01/25/07 12:30	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Inorganics

Total Solids	60	%	1	160.3	01/22/07 19:59	LBR		
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Metals

Arsenic	2.54	mg/kg	0.10	6020	01/29/07 16:25	PER	7440-38-2	
Barium	107	mg/kg	1.0	6020	01/29/07 16:25	PER	7440-39-3	
Cadmium	6.07	mg/kg	0.20	6020	01/29/07 16:25	PER	7440-43-9	
Chromium	135	mg/kg	1.0	6020	01/29/07 16:25	PER	7440-47-3	
Copper	6,020	mg/kg	1.0	6020	01/29/07 16:25	PER	7440-50-8	
Lead	1,350	mg/kg	1.0	6020	01/29/07 16:25	PER	7439-92-1	
Mercury	53.600	mg/kg	0.415	7471A	01/25/07 14:59	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 16:25	PER	7782-49-2	
Silver	2.23	mg/kg	0.20	6020	01/29/07 16:25	PER	7440-22-4	
Zinc	883	mg/kg	1.0	6020	01/29/07 16:25	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 14:28	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 14:28	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 14:28	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 14:28	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/31/07 14:28	JANB	12672-29-6	
PCB-1254	11,000	ug/kg	1,000	8082	01/31/07 14:28	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 14:28	JANB	11096-82-5	

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Jun 22, 2009 16:22

Lab Sample ID: S30445.14
 Sample Tag: SMP-CMG-BS-213
 Collected Date/Time: 01/18/2007 15:45
 Matrix: Sludge
 COC Reference: 035727

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
Mercury Digestion	Completed			7471A	01/25/07 12:30	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Inorganics

Total Solids	13.4	%	1	160.3	01/22/07 19:59	LBR		
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Metals

Arsenic	40.3	mg/kg	0.10	6020	01/29/07 16:28	PER	7440-38-2	
Barium	175	mg/kg	1.0	6020	01/29/07 16:28	PER	7440-39-3	
Cadmium	4.27	mg/kg	0.20	6020	01/29/07 16:28	PER	7440-43-9	
Chromium	82.0	mg/kg	1.0	6020	01/29/07 16:28	PER	7440-47-3	
Copper	1,570	mg/kg	1.0	6020	01/29/07 16:28	PER	7440-50-8	
Lead	310	mg/kg	1.0	6020	01/29/07 16:28	PER	7439-92-1	
Mercury	0.274	mg/kg	0.050	7471A	01/25/07 15:01	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 16:28	PER	7782-49-2	
Silver	0.63	mg/kg	0.20	6020	01/29/07 16:28	PER	7440-22-4	
Zinc	4,730	mg/kg	1.0	6020	01/29/07 16:28	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 16:00	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 16:00	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 16:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 16:00	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/31/07 16:00	JANB	12672-29-6	
PCB-1254	6,000	ug/kg	1,000	8082	01/31/07 16:00	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 16:00	JANB	11096-82-5	

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Arcadis

Jun 22, 2009 16:22

Lab Sample ID: S30445.15
 Sample Tag: TRN-EAD-01-214
 Collected Date/Time: 01/18/2007 15:50
 Matrix: Sludge
 COC Reference: 035727

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			3550B	01/31/07 11:45	JAC		
Mercury Digestion	Completed			7471A	01/25/07 12:30	JRT		
Metal Digestion	Completed			3050B	01/29/07 12:00	PER		

Inorganics

Total Solids	80	%	1	160.3	01/22/07 19:59	LBR		
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Metals

Arsenic	0.75	mg/kg	0.10	6020	01/29/07 16:31	PER	7440-38-2	
Barium	11.2	mg/kg	1.0	6020	01/29/07 16:31	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/07 16:31	PER	7440-43-9	
Chromium	11.4	mg/kg	1.0	6020	01/29/07 16:31	PER	7440-47-3	
Copper	36.0	mg/kg	1.0	6020	01/29/07 16:31	PER	7440-50-8	
Lead	6.5	mg/kg	1.0	6020	01/29/07 16:31	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/25/07 15:03	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	01/29/07 16:31	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	01/29/07 16:31	PER	7440-22-4	
Zinc	32.8	mg/kg	1.0	6020	01/29/07 16:31	PER	7440-66-6	

Organics - PCBs/Pesticides**PCB List**

PCB-1016	Not detected	ug/kg	1,000	8082	01/31/07 15:39	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/31/07 15:39	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/31/07 15:39	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/31/07 15:39	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/31/07 15:39	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/31/07 15:39	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/31/07 15:39	JANB	11096-82-5	

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C.O.C. PAGE # 1 OF 2

035729

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GERE**
 ADDRESS: **33469 W. 14 MILE RD SUITE 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE: **48331**
 PHONE NO.: **248-661-3745** FAX NO.: **248-661-4057**
 E-MAIL ADDRESS: **moore_wm@obg.com / jsep12@aol.com**

CONTACT NAME: **KEN GEMBEL** SAME
 COMPANY: **GENERAL MOTORS, P.C.O. Central**
 ADDRESS: **2000 CENTERPOINT PARKWAY MC. 483-520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO.: _____ FAX NO.: _____ P.O. NO.: _____

PROJECT NO./NAME: **SAGINAW MALLEABLE IRON** SAMPLER(S) - PLEASE PRINT/SIGN NAME: **Jim Palmieri / Dave Seaman**
 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	MAINT	# OF BOTTLES	NOV	HCL	HNO3	H2SO4	HACH	ALPH	OTHER	ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME												
30445.01	1/17/17	4:20	SMP-MFG-BS-200		1									SAND LINE #1 UTILITY TUNNEL - EAST END
.02		4:30	OFM-MFG-BS-201		1									WIPE ON PISTON OF #4 FURN
.03		4:45	DFM-MFG-03-202		1									#3 HYDRAULIC PUMP FOR FURN #29
.04		5:10	OVN-MFG-01-203		1									As B. 9 - BOTTOM / SIDE #2 POUIN
.05		5:15	WAL-MFG-02-204		1									PAINT ON COLUMN Ea 415
.06		5:15	WAL-MFG-02-205		1									PAINT FROM STRUCTURE #1 POUR
.07		5:25	FLR-MFG-BS-206		1									DEBRIS ON FLOOR #1 SAND LINE BASEMENT
.08		5:30	OFM-MFG-01-207		1									RETURN Sand Etc Feed Belt SHAKEOUT SAND TRAILING BELT @ Ad 0.24

RELINQUISHED BY: *[Signature]* DATE: _____ TIME: _____
 RECEIVED BY: *[Signature]* DATE: **1-19-07** TIME: **1550**
 RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RECEIVED BY: _____ DATE: _____ TIME: _____
 SEAL NO. _____ SEAL INTACT YES NO INITIALS _____ NOTES: TEMP. ON ARRIVAL **4.2**



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035727

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **BILL MOORE**
 COMPANY: **O'BRIEN & GERR**
 ADDRESS: **33469 W. 14 MILE RD SUITE 150**
 CITY: **FARMINGTON HILLS** STATE: **MI** ZIP CODE: **48331**
 PHONE NO.: **248-661-3745** FAX NO.: **248-661-4057**
 E-MAIL ADDRESS: **moorewm@obg.com / jep12@aol.com**

CONTACT NAME: **KEN GEMBEL**
 COMPANY: **GENERAL MOTORS, PCC CENTRAL**
 ADDRESS: **2000 CENTERPOINT PARKWAY, MC 483-520-190**
 CITY: **PONTIAC** STATE: **MI** ZIP CODE: **48341-3147**
 PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: **SAGINAW MALLEABLE IRON**
 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	MA (%)	# OF BOTTLES	NOTES	HCL	HNO3	H2SO4	NaOH	NaCl	OTHER	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME											
3044509	1/18	14:05	SMP - MFG - 01 - 208	SL	1								Slurry Room
.10		14:25	SMP - MFG - 01 - 209	SL	1								Foundry Disposal DO
.11		14:40	SMP - MFG - 01 - 210	SL	1								EMISSIONS ROOM Ld 14.4
.12		15:00	FLR - CMG - 01 - 211	SL	1								BATTERY RECHARGE
.13		15:30	SMP - CMG - 01 - 212	SL	1								FIRE PROTECTION ROOM
.14		15:45	SMP - CMG - BS - 213	SL	1								N-S TUNNEL BETWEEN LRM & MAINT
.15		15:50	TRN - EAD - 01 - 214	SL	1								@ B-2 Wash Bay Trench

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 Arcadis
 Jun 22, 2009 16:22

PCC
 METALS
 CM-1-10
 PH (PCC)

RELINQUISHED BY: *[Signature]* DATE: TIME:
 RECEIVED BY: *[Signature]* DATE: TIME:
 RELINQUISHED BY: DATE: TIME:
 RECEIVED BY: DATE: TIME:

RELINQUISHED BY: DATE: TIME:
 RECEIVED BY: *[Signature]* DATE: 1-19-07 TIME: 1550
 SEAL NO. SEAL INTACT YES NO INITIALS: NOTES: TEMP. ON ARRIVAL: 4.2

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APPENDIX C

General Motors Decommissioning Specifications

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DECONTAMINATION SPECIFICATIONS

GENERAL MOTORS CORPORATION
Saginaw Malleable Iron
Facility Environmental Assessment
77 West Center Street
Saginaw, Michigan

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DECONTAMINATION SPECIFICATIONS Jun 22, 2009 16:22
GENERAL MOTORS CORPORATION

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**DECONTAMINATION SPECIFICATIONS
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1.0 INTRODUCTION AND GENERAL REQUIREMENTS

General Motors Corporation (GM) retained *O'Brien & Gere* to perform a Facility Environmental Assessment, implement a Sampling Plan, and prepare the following bid specifications for the decontamination of the aboveground portions of the building and equipment associated with the Saginaw Malleable Iron facility. Additionally, *O'Brien & Gere* will provide Observation and Certification (O&C) services during the decontamination activities.

A copy of the Facility Environmental Assessment Tables is included for reference only. The Contractor will be provided with site access and is expected to provide his own "take-offs" to determine the types and quantities of items, articles, structures, areas to be cleaned in accordance with the General Motors Site Specific Cleaning Specification. The Contractor shall, at a minimum, clean to a residual/vapor free condition all trenches, sumps, pits (above and below ground), piping, pumps, valves, motors, ceiling, trusses, beams, walls, floors, grates, and equipment (mobile or stationary).

A map illustrating the site and a detailed drawing of the Saginaw Malleable Iron facility plant is included in Figure 1 of this Decontamination Specification:

- Summarizes the project's general requirements, and applicable Codes, Regulations, and Standards;
- Describes what utilities will be available at the site;
- Lists decontamination methods, waste handling procedures, and air monitoring requirements;
- Summarizes the findings of the Facility Environmental Assessment;
- Provides analytical reports and summary tables of samples collected during Sampling Plan implementation; and
- Specifies the structure and equipment to be decontaminated.

The Decontamination Specifications are structured in the following manner:

- Section 2.0 identifies codes, regulations, standards, licensing permits and notifications required to complete project;
- Section 3.0 discusses facility utilities, materials and equipment that may be utilized during the project;
- Section 4.0 specifies decontamination procedures;
- Section 5.0 specifies waste handling requirements;
- Section 6.0 specifies air monitoring requirements;
- Section 7.0 provides pre-decontamination deliverables and activities;
- Section 8.0 specifies decontamination deliverables and activities;
- Section 9.0 specifies post-decontamination deliverables and activities.

General requirements, as described in this section, include work covered by contract documents, working hours, and owner occupancy.

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1.1 Work Covered by Contract Documents

The scope of work of this contract consists of furnishing all labor, equipment, and materials for performing all operations in strict accordance with these specifications.

The general areas designated for decontamination are located within the Facility as shown in the drawings provided in the Figures section.

1.2 Working Conditions

The Contractor will be required to work around and/or above existing structures, fixtures, materials, and equipment. The Contractor shall coordinate his work with other work being accomplished by GM personnel and/or other Contractors working in the area. The Terms & Conditions of the National Maintenance Agreement shall apply.

1.3 Working Hours

The Contractor is expected to comply with the Saginaw Malleable Iron facilities working hour and holiday schedules.

1.4 Owner Occupancy

GM is not expected to occupy premises during the decommissioning period for conduct of its operations.

1.5 Approximate Quantities

Approximate material quantities provided in the tables and elsewhere in this specification document are for reference only **and are in no sense warranted or binding**. It remains the responsibility of the Contractor to field verify material quantities and existing site conditions which may affect the Work prior to bid submittal.

1.6 Execution

The work shall be performed in conformance with these specifications and any fully executed contract change orders.

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2.0 CODES, REGULATIONS, STANDARDS, LICENSING, PERMITS, AND NOTIFICATIONS

This section sets forth codes, regulations, and industry standards, which are included and incorporated herein by reference and made a part of the specification. This section also sets forth those notices and permits which must either be applied for and received, or must be given to governmental agencies before start of work.

- The Contractor must adhere to work practices and procedures set forth in applicable codes, regulations and standards.
- The Contractor must obtain permits, licenses, inspections, releases and similar documentation, as well as complete payments, statements and similar requirements associated with codes, regulations, and standards.
- The Contractor must be signatory to the National Maintenance Agreement.

2.1 Codes and Regulations

2.1.1 General Applicability of Codes and Regulations, and Standards

Except to the extent that more explicit or more stringent requirements are written directly into the contract documents, all applicable codes, regulations, and standards have the same force and effect (and are made a part of the contract documents by reference) as if copied directly into the contract documents, or as if published copies are bound herewith.

2.1.2 Contractor Responsibility

The Contractor shall assume full responsibility and liability for the compliance with all applicable federal, state, and local regulations pertaining to work practices, transportation, disposal, and protection of workers, visitors to the site, and persons occupying areas adjacent to the site. The Contractor is responsible for providing medical examinations and maintaining medical records of personnel as required by the applicable federal, state, and local regulations. The Contractor shall hold GM, and O'Brien and Gere harmless for failure to comply with any applicable work, transportation, disposal, safety, health or other regulation on the part of himself, his employees, or his subcontractors.

All work performed under this contract shall comply with applicable provisions, including the most current versions, and not limited to the listed codes and regulations.

2.1.3 Federal Regulations

Federal regulations which govern hazardous waste operations work or hauling and disposal waste materials include but are not limited to the following:

2.1.3.1 Safety and Health, under authority of U.S. Department of Labor, Occupational Safety and Health Administration, (OSHA), including but not limited to:

Respiratory Protection (29 CFR 1919.134 and 29 CFR 1910.103)

Occupational Noise Exposure (29 CFR 1910.95)

Access to Employee Exposure and Medical Records (29 CFR 1910.2)

Hazard Communication (29 CFR 1910.1200)

Specifications for Accident Prevention Signs and Tags (29 CFR 1910.145)

Temperature Extremes (29 CFR 1910.120)

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Confined Space Entry (29 CFR 1910.146)

Trenching and Excavation (29 CFR 1926)

Eye Protection (29 CFR 1910.5)

Spills and Releases (29 CFR 1910.12 and 40 CFR 311)

Fall Protection (29 CFR 1910.66 and 29 CFR 1926.500)

Transportation under authority of U. S. Department of Transportation, including but not limited to:

Hazardous Substances

Title 49, Part 171 and 172 of the Code of Federal Regulations.

2.1.3.2 Environmental Protection under authority of the U. S. Environmental Protection Agency (EPA), including, but not limited to:

Flammable Liquid Storage Requirements (29 CFR 1910.106).

Hazardous Waste Management Systems: General (40 CFR 260).

Identification and Listing of Hazardous Waste (40 CFR 261).

Generators of Hazardous Waste (40 CFR 262).

Transporters of Hazardous Waste (40 CFR 263).

Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities (40 CFR 264, 265).

Land Disposal Restrictions (40 CFR 268).

Clean Air Act of 1990 (as amended).

Clean Water Act of 1972 (as amended) and associated regulations.

Universal Waste Rules (40 CFR Part 9).

2.1.4 State and Local Regulations:

IC 13, Article 15 – Permits Generally

IC 13, Article 17, Chapter 6 – Regulation of Asbestos and Asbestos Contractors

IC 13, Article 17, Chapter 7 Clean Air Act Permit Compliance Program

IC 13, Article 17, Chapter 14 – Lead-Based Paint Activities

IC 13, Article 18, Chapter 4 – Restrictions on Pollution of Water

IC 13, Article 18, Chapter 5 – Release of hazardous Materials

IC 13, Article 18, Chapter 9 – Prohibitions on Certain Detergents

IC 13, Article 18, Chapter 12 – Wastewater Management

IC 13, Article 18, Chapter 15 – Connection to Sewage Service

IC 13, Article 18, Chapter 17 – Groundwater Protection

IC 13, Article 18, Chapter 19 – NPDES Permits

IC 13, Article 18, Chapter 20.5 – Federal Safe Drinking Water Act

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IC 13, Article 20 – Solid Waste Management

IC 13, Article 22, Chapter 2 – Manifests

IC 13, Article 22, Chapter 7 – Records

IC 13, Article 25 – Voluntary Remediation of Hazardous Substances and Petroleum

2.2 Standards

Except to the extent that more explicit or more stringent requirements are written directly into the Contract Documents, all applicable standards have the same force and effect (and are made a part of the Contract Documents by reference) as if copied directly into the Contract Documents, or as if published copies are bound herewith.

The Contractor shall assume full responsibility and liability for the compliance with all standards pertaining to work practices, hauling, disposal, and protection of workers, visitors to the site, and persons occupying areas adjacent to the site. Two sources of standards are listed below. The Contractor shall hold GM, and O'BRIEN & GERE harmless for failure to comply with any applicable standard on the part of himself, his employees, or his subcontractors.

American National Standards Institute (ANSI)

1430 Broadway
New York, New York 10018
(212) 354-3300

National Fire Protection Association (NFPA)

1 Batterymarch Park
Quincy, MA 02269-9101
(617) 770-3000

Practices for Respiratory Protection Publication Z88.2-1980

American Society for Testing and Materials (ASTM)

100 Bar Harbor Drive
W. Conshohocken, PA 19428-2959
(610) 832-9585

2.3 Industry Standards

Except where Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into Contract Documents. Such standards are made a part of the Contract Documents by reference. Individual sections indicate which codes and standards the Contractor must keep available at the Project Site for reference.

Referenced industry standards take precedence over standards that are not referenced but recognized in the construction industry as applicable.

Unreferenced industry standards are not directly applicable to the work, except as a general requirement of whether the work complies with recognized construction industry standards.

2.3.1 Publication Dates

Where compliance with an industry standard is required, comply with standard in effect as of date of Contract Documents.

2.3.2 Conflicting Requirements

Where compliance with two or more standards is specified, and they establish different or conflicting requirements for minimum quantities or quality levels, the most stringent requirement will be enforced,

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2.3.3 Minimum Levels **Arcadis**

In every instance, the designated standard specified shall be the minimum to be provided or performed.

2.4 Permits

The Contractor shall prepare and submit to the GM Representative all Federal, State and Local regulatory notifications and / or permit/authorization applications for review and signature by GM.

The Contractor shall submit and obtain all necessary Federal, State and Local notifications.

The Contractor shall secure all necessary site-specific permits following approval by the appropriate GM Representative.

2.5 Licenses

The Contractor and all of its subcontractors shall maintain current licenses as required by applicable State and Local jurisdictions for the removal, transporting, disposal or other regulated activity relative to the work of this contract.

2.6 Notifications

The Contractor shall post all notices required by applicable federal, state, and local regulations at the job site.

2.7 Environmental Protection Requirements

The Contractor shall provide and maintain, during the life of the contract, environmental protection as defined. Plan for and provide environmental protective measures to control pollution that develops during normal construction practice. Plan for and provide environmental protective measures required to correct conditions that develop during the construction of permanent or temporary environmental features associated with the project. Comply with federal, state, and local regulations pertaining to the environment, including but not limited to water, air, soil, and noise pollution.

2.8 Protection of Natural Resources

The Contractor shall preserve the natural resources within the project boundaries and outside the limits of permanent work. Restore to an equivalent or improved condition upon completion of work. Confine decontamination activities to within the limits of the work area indicated or specified.

2.9 Land Resources

Except in areas to be cleared, the Contractor shall not remove, cut, deface, injure, or destroy trees or shrubs without GM permission. Do not fasten or attach ropes, cables, or guys to existing trees for anchorages unless authorized by GM. Where such use of attach ropes, cables, or guys is authorized, the Contractor shall be responsible for any resultant damage.

2.9.1 Protection

The Contractor shall protect existing trees which are to remain and which may be injured, bruised, defaced, or otherwise damaged by construction operations. Remove displaced rocks from un-cleared areas. By approved excavation, remove trees with 30 percent or more of their root systems destroyed.

2.9.2 Replacement

Remove trees and other landscape features scarred or damaged by equipment operations, and replace with equivalent, undamaged trees and landscape features. Obtain GM approval before replacement.

2.9.3 Temporary Construction

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The Contractor shall remove traces of temporary construction facilities such as haul roads, work areas, structures, foundations of temporary structures, stockpiles of excess or waste materials,

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and other signs of construction. Grade temporary roads, parking areas, and similar temporarily used areas to conform with surrounding contours.

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2.9.4 Water Resources

The Contractor shall prevent oily or any other substances from entering the ground, drainage areas, sewers, or local bodies of water. Surround all temporary fuel oil or petroleum storage tanks with a temporary berm of sufficient size and strength to contain the contents of the tanks in the event of leakage or spillage.

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3.0 FACILITY UTILITIES, MATERIALS, AND EQUIPMENT

3.1 Temporary Facilities

Refer to General Motors (GM) Construction General Conditions (1638) Appendix A, Section R3.9 for temporary facilities requirements.

3.2 Materials and Equipment

Refer to GM 1638 Article 3.6 for materials and equipment requirements.

3.3 Safe Work Practices

Refer to GM 1638 Article 9 for safe work practice requirements.

3.4 Water Service

3.5.1 Site Water Availability

Water will not be available, Contractor to indicate whether water is necessary to comply with this decontamination specification.

3.5.2 Water Hoses

The Contractor shall employ heavy-duty abrasion-resistant hoses with a pressure rating greater than the maximum pressure of the water distribution system to provide potable water into each work area and to each Decontamination Unit. Maintain hoses and outlet valves in leakproof condition. Where finish work below an outlet might be damaged by spillage or leakage, provide a drip pan of suitable size to minimize the possibility of water damage. Drain water promptly from pans as it accumulates.

3.5 Electrical Service

Refer to GM 1638 Appendix A, Section R3.9 for safe electrical requirements.

3.6 Fire Extinguishers

Refer to GM 1638 Article 9 for fire protection requirements.

3.7 Utility Installation

Contractor shall coordinate utility installation with the appropriate GM representative. Locate temporary services and facilities where they will serve the entire project adequately and result in minimum interference with the performance of the Work.

3.9.1 Tradesman Licensure

Require that tradesmen accomplishing this work be licensed as required by local authority for the work performed.

3.9.2 Changes to Services and Facilities

Relocate, modify and extend services and facilities as required during the course of work so as to accommodate the entire work of the project.

3.8 Contractors' Use of Premises

Refer to GM 1638 Article 3 for Contractor's use of premises.

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4.0 DECONTAMINATION PROCEDURES

This section provides general methodologies and procedures that may be implemented during the decontamination of the facility. One or more of the decontamination methods described in this section are to be utilized by the Contractor to perform the decontamination activities as identified in this specification. It is the Contractor's responsibility to identify the appropriate decontamination methods pending GM approval. Contractor is responsible to furnish all equipment, labor, materials, and supplies necessary to complete work. Contractor shall provide all PPE required to complete work.

4.1 Initial Gross Dry Decontamination

Initial gross dry decontamination consists of hand scraping, shoveling, power chipping, and/or other means, necessary to perform the Work.

4.2 Vacuuming

The vacuuming system shall be equipped with an intermediate cyclone collector/separator unit and be capable of dustless container change out.

The system shall be equipped with a minimum two-stage, positive filtration system. The first stage shall be 95% efficient at 1 micron and shall be of the automatic self-decontamination type. The second, or final, stage shall be a HEPA filter with 99.97% efficiency at 0.3 microns.

Use of extension wands for below grade and elevated surfaces is encouraged. Should worker entry into below grade pits, sumps or other areas be required, proper confined space entry procedures shall be followed.

4.3 Vacuum Blast With Vacuum Power Tool Support

All dry blast media shall be recyclable steel abrasive, recyclable garnet impregnated foam abrasive, or a soluble abrasive approved by GM. The soluble metal content and the total metal content of abrasive materials shall not exceed values, which would cause the material to be classified as a hazardous waste. The blast head shall be maintained perpendicular to the work area on all flat surfaces with no arcing of the blast head allowed. The equipment shall be equipped and the Contractor shall utilize, interchangeable blast head shroud assemblies to accommodate flat and curved surfaces as well as inner and outer corners.

The blast equipment shall be capable of abrasive recycling on either a continuous or intermittent basis. The abrasive recycle system shall include dust collection and filtration devices to produce dustless recycled abrasive and to discharge HEPA filtered air. The blast system shall be equipped with an air cooling and drying system capable of meeting ASTM D4285-83. The air cooler shall have a coalescing filter and the air dryer shall have a particulate filter. The blast system shall be capable of producing a minimum of 400 CFM at 125 PSI.

Portions of the Work that cannot be cleaned by vacuum blasting without the escape of dust and/or loss of abrasives shall be decontaminated by vacuum-assisted hand power tools. The vacuum exhaust from such tools shall comply with the requirements for vacuuming equipment.

The acceptable decontamination level will be to a residual free condition. Former PCB-bearing equipment may be tested by the GM Representative in accordance with 40 CFR 761 for acceptable decontamination. Cleaned areas with concentrations of PCBs remaining $<1.0 \text{ mg/m}^3$ shall be considered clean.

4.4 High Pressure Water Blast

The water blast system utilized for the rigorous decontamination shall be capable of operation from water temperatures ranging from 75°F to 180°F. The Contractor's Project Work Plan (Section 7.4.3) shall address high pressure water blast methods.

The system shall be capable of operation at a pressure of at least 20,000 PSI. The maximum jet reactive force shall not exceed 20 pounds when operating at 20,000 PSI and at a maximum water usage rate of 2.0 GPM. At no time during the operation of the high pressure blast system shall the water usage rate exceed 5.0 GPM.



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per individual blast unit. The system shall be capable of operation with water and abrasive or with water only. Blast media, if utilized, shall be water soluble and non-detergent.

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Splashback shall be held to a minimum and the use of detector shrouds or other means of control may be required for worker protection and/or liquid containment. All structures and equipment (especially insulated pipes, electrical equipment, etc.) must be appropriately protected prior to conducting water blasting.

The acceptable decontamination level will be to a residual free condition. To achieve an acceptable decontamination level a minimum number of decontamination passes will be required per the Contractor's approved Project Work Plan. The initial decontamination pass shall be performed with blast water at a minimum temperature of 175°F when measured at the blast nozzle. Former PCB-bearing equipment will be tested according to 40 CFR 761 for acceptable decontamination by the GM O&C Representative. Cleaned areas with concentrations of PCBs remaining <1.0 mg/m³ shall be considered clean.

NOTE: Residual Free - No loose solid materials or liquids. Staining is acceptable provided oil sheen not seen when water is present.

4.5 Scarification

The scarifier should be capable of removing 1/16 on an inch of material per pass. Contractor must at a minimum perform two passes with the scarifier. The second pass should be performed perpendicular to the first pass.

Dust control methods must be employed to prevent the spread of visible emissions, or contamination outside of work area or exceedance of contaminant specific PEL action limit (50% of PEL) during scarification. Air monitoring may be required dependent on the contaminant(s) present, contaminant(s) concentration, and site conditions as determined by the Contractor and specified in the Contractor's HASP. (Section 7.4.2).

4.6 Removal of Existing Liquids and Liquid Decontamination Residuals

The aqueous and non-aqueous liquids contained in the various tanks/vats, secondary containment systems, process piping systems, process pumps and ancillary equipment, air pollution control devices, hydraulic cylinders, and other miscellaneous fluids encountered during decontamination (excluding rinsewaters generated by the Contractor) shall be pumped, drained, wet-vacuumed, or otherwise removed and containerized by the Contractor in accordance with the Project Work Plan.

Separate containment shall be provided for organic solvents, waxes, caustics, acids, greases and oils, and solutions containing detergents. All removed fluids shall be segregated by like source, quantified, stored and treated as required.

All remaining fluids from process tanks (such as from plating operations) shall be segregated by like source, quantified, stored, and treated as required. All process tanks, pipes, pumps, and related equipment will be chemically neutralized and cleaned with a 5% caustic solution (for acid-containing items) or 5% inhibited hydrochloric acid solution (for alkaline-containing items). Cyanide-bearing equipment will be cleaned using a 5% hypochlorite solution.

4.7 Mercury Removal

Metallic mercury may be found in barometers, thermometers, hydrometers, pyrometers, mercury arc lamps producing UV rays, switches, traps of sinks, electric rectifiers, cathodes in electrolysis, and other less frequently known instruments.

Contractor is required to remove mercury remaining in these instruments and place into a designated sealable, labeled plastic container. Any sludge or buildup on the inside of the instruments which has become contaminated with mercury should also be placed in a labeled, sealable container for later disposal. Contaminated sludge or buildup should be removed from the interior surfaces of the items using hand held instruments. As an alternative, the entire item may also be disposed of appropriately.

Contractor employees are required to use impervious clothing, gloves, face shields (8-inch minimum), and other appropriate clothing necessary to prevent repeated or prolonged skin contact with liquid mercury. All PPE must satisfy OSHA requirements.

Respiratory protection should be worn, in addition to the skin personal protection described above, while assigned to mercury recovery/removal activities. Personnel shall wear chemical cartridge or canister type, half face, negative pressure respirators, as a minimum, as the airborne concentration of mercurous vapors

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are not expected to exceed 0.5 mg/m³. Arcadis

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Personal protective equipment and/or clothing, liquid mercury and mercury contaminated sludge and traps should be containerized and stored in such a manner to satisfy regulatory requirements and GM policies and procedures. All mercury contaminated materials or plastic containers of mercury should be placed in secondary, sealable, and labeled containers approved for shipment.

4.8 PCB-Bearing Material Removal

This section covers the requirements for the removal and disposal of polychlorinated biphenyls (PCBs) and the handling of PCB containing materials per 40 CFR 761 - Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions of Polychlorinated Biphenyls (PCBs). It is intended for use in areas where PCBs or materials containing PCBs have been identified. The Contractor shall comply with any plan approved by US EPA for the removal and disposal of PCBs. The following are procedures to be used in PCB removal if the removal of PCBs is a Performance Base procedure as opposed to a Self-Implementation Plan or Risk-Based Plan approach.

4.8.1 Requirements

The work includes the removal and disposal of all PCBs and PCB containing material. Perform work in accordance with 40 CFR 761 and the requirements specified herein.

4.8.2 Protection

4.8.2.1 PCB Control Area

The Contractor shall isolate PCB control area by physical boundaries to prevent unauthorized entry of personnel. Food, drink and smoking materials shall not be permitted in areas where PCBs are handled or PCB items are stored.

4.8.2.2 Personnel Protection

Contractor's workers shall wear and use PPE, as stated in the Contractor's HASP upon entering a PCB control area. If PPE is not required per the Contractor's CIH, specify in the Contractor's Project Work Plan.

4.8.2.3 Footwear

Work footwear shall remain inside work area until completion of the job.

4.8.2.4 Permissible Exposure Limits (PEL)

PEL for PCBs is 0.5 mg/m³ on an 8-hour time weighted average basis.

4.8.2.5 Special Hazards

- PCBs shall not be exposed to open flames or other high temperature sources since toxic decomposition by-products may be produced.
- PCBs shall not be heated to temperatures of 55°C (135°F) or higher without the GM O&C Representative's concurrence.

4.8.2.6 PCB Caution Label

The Contractor shall affix labels to PCB waste containers and other PCB-contaminated items. Provide label with sufficient print size to be clearly legible, with bold print on a contrasting background, displaying the following:

CAUTION: Contains PCBs (Polychlorinated Biphenyls).

4.8.2.7 PCB Caution Sign

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The Contractor shall provide signs at approaches to PCB control areas. Locate signs at such a distance that personnel may read the sign and take the necessary precautions before entering the area.

4.8.3 Work Procedure

The Contractor shall furnish labor, materials, services, and equipment necessary for the complete removal of PCBs located at the site as indicated or specified in accordance with local, state, or federal regulations. Package and mark PCB as required by EPA and DOT regulations.

4.8.3.1 No Smoking

Smoking is not permitted within 50 feet of the PCB control area. Provide "No Smoking" signs as directed by the GM O&C Representative.

4.8.3.2 Work Operations

The Contractor shall ensure that work operations or processes involving PCB or PCB-contaminated materials are conducted in accordance with 40 CFR 761 and the applicable requirements of this section, including but not limited to:

- Obtaining advance approval of PCB storage sites.
- Notifying GM O&C Representative prior to commencing the operation.
- Reporting leaks and spills to the GM O&C Representative.
- Decontamination of spills.
- Maintaining an access log of employees working in a PCB control area and providing a copy to the GM O&C Representative upon completion of the decontamination.
- Inspecting PCB and PCB-contaminated items and waste containers for leaks and forwarding copies of inspection reports to the GM O&C Representative.
- Maintaining inspection, inventory, and spill records.

4.8.4 PCB Removal

The Contractor shall select PCB removal procedure to prevent contamination of work areas with PCB or other PCB-contaminated debris/waste. Handle PCBs such that no skin contact occurs. PCB removal process should be described in the Contractor's approved Project Work Plan. Cleaned areas with concentrations of PCBs remaining $<1.0 \text{ mg/m}^3$ shall be considered clean.

4.8.4.1 Confined Spaces

The Contractor shall adhere to all confined space procedures (29 CFR 1910.146) and ensure that workers are equipped with suitable PPE during PCB removal activities.

4.8.4.2 Control Area

The Contractor shall establish a PCB control area around the PCB item as specified in paragraph entitled "PCB Control Area." Only authorized personnel shall be allowed into the area.

4.8.4.3 Exhaust Ventilation

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If used, exhaust ventilation for PCB operations shall be filtered by a HEPA filter prior to discharge to the outside. Discharge filter air must be from personnel.

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4.8.4.4 Temperatures

The Contractor shall handle PCBs at ambient temperatures and not at elevated temperatures.

4.8.4.5 Drip Pans

Drip pans are required under portable PCB transformers and rectifiers in use or stored for use. The pans shall have a containment volume of at least one and one-half times the internal volume of PCBs in the item.

4.8.4.6 Evacuation Procedures

The Contractor shall include in its HASP, procedures for evacuation of injured workers. Aid for an injured worker shall not be delayed for reasons of decontamination.

4.8.5 PCB Transformers

4.8.5.1 Draining of Transformer Liquid

The Contractor shall perform work in accordance with applicable regulations and as specified herein. Drain the transformer, switches, and regulators of free flowing liquid prior to transportation. Place the drained liquids in DOT approved drums. The drums shall not contain more than 50 gallons of oil. If the equipment cannot be drained, then place it in applicable DOT approved drums.

4.8.5.2 Markings

The Contractor shall provide drums and drained PCB-contaminated electrical equipment with caution label markings as specified in paragraph entitled, "PCB Caution Label."

4.8.5.3 Drums

The Contractor shall stencil on DOT (HM 181) approved 55-gallon drums containing PCB liquid the following:

- ppm (List ppm of PCB material in the drum.)
- Date drum filled
- Serial number of transformer which liquid came from

The Contractor shall not mix different concentrations (ppms) in the same drum. Drums must have a 2-inch head space from the top of the drum.

4.8.6 PCB-Containing Capacitors and Light Ballasts

4.8.6.1 Drumming of Capacitors

All drumming of PCB-containing capacitors must comply with 29 CFR 761 including:

- Place several inches of absorbent material in the bottom of a clean, dry drum.
- Line the drum with heavy plastic.

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- Place non-leaking capacitors in prepared drum, properly labeling drum as to where and when capacitor was removed from service.

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- If capacitors are too large to be placed in a 55-gallon DOT approved drum then capacitor shall be placed in a container with strength and durability equivalent to the DOT specification containers. The containers shall be filled with sufficient absorbent material to absorb any liquid PCBs remaining in the capacitors.
- Regulated capacitors must have a unique ID number for each regulated capacitor.
- Non-regulated capacitors must have a unique ID number per drum.
- Capacitors under 100 cubic inches must be segregated and containerized by size for disposal by GM.
- Capacitors over 100 cubic inches must be segregated by size for disposal by GM.

4.8.6.2 Drumming of light ballasts

All lighting ballast drumming activities will be at the direction of GM.

4.8.7 PCB Spill Decontamination Requirements

4.8.7.1 PCB Spills

The Contractor shall immediately report to GM Environmental and the GM O&C Representative any PCB spills on the ground or in the water, PCB spills in drip pans, or PCB leaks.

4.8.7.2 PCB Spill Control Area

The Contractor shall rope off an area around the edges of a PCB leak or spill and post a "PCB Spill Authorized Personnel Only" caution sign. Immediately transfer leaking items to a drip pan or other container.

4.8.7.3 PCB Spill Decontamination

The Contractor shall initiate decontamination of spills as soon as possible, but no later than within 24 hours of its discovery. To decontaminate spills, personnel shall wear the appropriate PPE as specified in the Contractor's HASP. If misting, elevated temperatures or open flames are present, or if the spill is situated in a confined space, notify the GM O&C Representative. Mop up the liquid with rags or other conventional absorbent. The spent absorbent shall be properly contained and disposed of as solid PCB waste.

4.8.7.4 Sampling Requirements

The GM O&C Representative will perform post decontamination sampling as required by 40 CFR 761, Section 130, Sampling Requirements. Do not remove boundaries of the PCB control area until site is determined satisfactorily clean by GM Representative. Cleaned areas with concentrations of PCBs remaining $<1.0 \text{ mg/m}^3$ shall be considered clean.

4.8.8 Storage for Disposal

All storage of waste will be done at the direction of GM. All storage of waste PCBs shall be in accordance with 40 CFR 761.55. The handling and storage of waste PCBs shall be modified if state or local requirements are more stringent. In addition, PCB storage shall meet the following:

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4.8.8.1 Storage Containers for PCBs

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The collection of PCBs shall be in Department of Transportation approved containers. As a minimum, closed head containers shall be used for liquids.

4.8.8.2 Waste Containers.

Label with the following:

- "Solid [or Liquid] Waste Polychlorinated Biphenyls"
- The PCB Caution Label, paragraph entitled "PCB Caution Label"
- The date the item was placed in storage and the name of the cognizant activity/building.

4.8.8.3 Approval of Storage Site

- Obtain approval in advance from GM for use of either an existing hazardous waste storage area or an area which can be modified to meet the following requirements. As a minimum, all PCB storage areas shall meet 40 CFR 761.65 requirements, including:
 - Adequate roof and walls prevent rainwater from reaching the stored PCBs.
 - An adequate floor is in place which has continuous curbing with a minimum 6-inch high curb. Such floor and curbing shall provide a containment volume equal to at least two times the internal volume of the largest PCB article or PCB container stored therein or 25 percent of the total internal volume of all PCB equipment or containers stored therein, whichever is greater.
 - No drain valves, floor drains, expansion joints, sewer lines, or other openings that would permit liquids to flow from the curbed area.
 - Floors and curbing are constructed of continuous smooth and impervious materials such as portland cement, concrete or steel to prevent or minimize penetrations of PCBs.
 - Each storage site shall be posted with the PCB Caution Sign, in accordance with paragraph entitled "PCB Caution Sign."
 - The storage area shall be inspected weekly. Any signs of spills, leaks or potential problems shall be corrected immediately. All inspections, corrections and actions shall be documented in writing.
 - Drums are to be stored to allow adequate space on each side to allow inspection.

4.9 Heavy Metal Containing Material Removal and Disposal

Projects that involve cutting, sawing, etc., of heavy metal-containing materials such as but not limited to lead containing paint on surfaces and dusts or residual materials which contain elevated levels of heavy metals may cause exposures in excess of OSHA limits. If so, personal protective equipment should be used and controls implemented. The Contractor is to obtain recommendations from a qualified industrial hygienist on health and safety measures.

This specification covers the requirements and procedures for limiting occupational and environmental exposure to heavy metals when removing heavy metal containing materials. This specification is intended for use on projects where heavy metal containing materials must be removed from surfaces. Heavy metal containing materials generated during decontamination activities may be classified as hazardous waste in

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accordance with 40 CFR 261, Identification and Listing of Hazardous Waste, thereby requiring special handling, and storage according to federal and local hazardous waste management regulations.

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4.9.1 Definitions

4.9.1.1 Airborne Lead Action Level (AL)

The OSHA Lead Construction Standard, 29 CFR 1926.62, has established an 8-hour weighted average (TWA) Action Level (AL) of 30 micrograms per cubic meter of air.

4.9.1.2 Airborne Lead Permissible Exposure Limit (PEL)

The OSHA Lead Construction Standard, 29 CFR 1926.62, has established an 8-hour TWA of fifty micrograms per cubic meter of air, permissible exposure limit (PEL) Standard 1926.62. If an employee is exposed for more than 8 hours in a workday, the PEL shall be determined by the following formula:

PEL (micrograms/cubic meter of air) = 400/No. hrs worked per day

4.9.1.3 Exposure to Other Heavy Metals

Airborne concentrations of any other heavy metal shall not exceed 50% of established OSHA PELs.

4.9.2 Quality Assurance

4.9.2.1 Training

The Contractor shall train each employee performing lead-containing material removal, disposal, and air sampling operations prior to the time of initial job assignment, in accordance with 29 CFR 1926.62.

4.9.2.2 Training Certification

The Contractor shall submit certificates signed and dated by the CIH and by each employee stating that the employee has received training.

4.9.2.3 Respiratory Protection Program

- The Contractor shall furnish each employee required to wear a negative pressure respirator or other appropriate type, with a respirator fit test at the time of initial fitting and at least every 6 months thereafter as required by 29 CFR 1926.62.
- The Contractor shall establish and implement a respiratory protection program as required by ANSI Z88.2, 29 CFR 1910.134, 29 CFR 1910.1025, and 29 CFR 1926.55.

4.9.2.4 Hazard Communication Program

The Contractor shall establish and implement a Hazard Communication Program as required by 29 CFR 1910.1200.

4.9.3 Equipment

The Contractor shall furnish GM Representative with two complete sets of personal protective equipment, for entry into and inspection of the heavy metal removal work within the controlled area. Personal protective equipment shall include fitted respirators and disposable whole body covering, including appropriate foot, head, and hand protection. PPE shall remain the property of the Contractor.

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4.9.3.1 Respirators

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The Contractor shall furnish appropriate respirators approved by NIOSH for use in atmospheres containing heavy metal containing dust.

4.9.3.2 Special Protective Clothing

The Contractor shall furnish personnel who will be exposed to heavy metal-contaminated dust with appropriate disposable protective whole body clothing, head covering, gloves, and foot coverings. Furnish appropriate disposable plastic or rubber gloves to protect hands. Reduce the level of protection only after obtaining approval from the Industrial Hygienist.

4.9.4 Protection

4.9.4.1 Notification

The Contractor shall notify GM Representative five [5] days prior to the start of any heavy metal containing material removal work.

4.9.4.2 Heavy Metal Control Area Requirements

- The Contractor shall establish a heavy metal control area by completely enclosing the area or structure with containment screens where heavy metal containing material removal operations will be performed.
- The Contractor shall contain removal operations by the use of a negative pressure full containment system with at least one change room and with HEPA filtered exhaust.

4.9.4.3 Protection of Existing Work to Remain

The Contractor shall perform heavy metal containing material removal work without damage or contamination of adjacent areas. Where existing work is damaged or contaminated, restore work to its original condition or better.

4.9.4.4 Boundary Requirements

The Contractor shall provide physical boundaries around a heavy metal control area by roping off the area designated on the plans or providing curtains, portable partitions or other enclosures to ensure that airborne concentrations of lead will not reach 30 micrograms per cubic meter of air outside of the control area and that other heavy metal concentrations do not exceed 50% of the specific OSHA PELs.

The Contractor shall install inspection window(s) in locations specified by the GM O&C Representative. Each inspection window is to have a 24" x 24" viewing area fabricated by 1/4" acrylic or equivalent sheet.

4.9.4.5 Furnishings

Contractor shall remove all furniture and equipment from the work area as necessary, before heavy metal containing material removal work begins.

4.9.4.6 Heating, Ventilating and Air Conditioning (HVAC) Systems

Contractor shall coordinate shut down, lock out, and isolation of HVAC systems that supply, exhaust, or pass through the heavy metal control areas with appropriate GM representative. Seal intake and exhaust vents in the heavy metal control area with fire resistant 6-mil polyethylene sheet and tape. Seal seams in HVAC components that pass through the control area.

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All polyethylene sheeting shall be flame resistant and conform to requirements set forth by National Fire Protection Association (NFPA) Standard 701, Small Scale Fire Test for Flame-Resistant Textiles and Films.

4.9.4.7 Change Room and Shower Facilities

The Contractor shall provide clean change rooms and shower facilities within the physical boundary around the designated control area in accordance with requirements of 29 CFR 1926.62.

4.9.4.8 Mechanical Ventilation System

Use adequate ventilation to control personnel exposure.

To the extent feasible, use fixed local exhaust ventilation connected to HEPA filters or other collection systems, approved by the industrial hygienist. Local exhaust ventilation systems shall be designed, constructed, installed, and maintained in accordance with ANSI Z9.2.

If air from exhaust ventilation is re-circulated into the work place, the system shall have a high efficiency filter with reliable back-up filter and controls to monitor the concentration of heavy metals in the return air and to bypass the recirculation system automatically if it fails. Air may be re-circulated only where exhaust to the outside is not feasible.

4.9.4.9 Personnel Protection

Personnel shall wear protective clothing and use equipment as specified herein. Eating, smoking, or drinking is not permitted in the control area. No one will be permitted in the control area unless they have been given appropriate training and protective equipment.

4.9.4.10 Warning Signs

The Contractor shall provide warning signs at approaches to control areas. Locate signs at such a distance that personnel may read the sign and take the necessary precautions before entering the area.

4.9.5 Work Procedures/Personnel Exiting Procedures

Use procedures and equipment required to limit occupational and environmental exposure to heavy metal containing material, except as specified herein. Containerize the removed materials and associated waste in compliance with Environmental Protection Agency (EPA), state, and local requirements.

Whenever personnel exit the controlled area, they shall perform the following procedures and shall not leave the work place wearing any clothing or equipment worn during the work day:

- Vacuum themselves off.
- Remove protective clothing in the decontamination room, and place them in an approved impermeable disposal bag.
- Shower.
- Change to clean clothes prior to leaving the physical boundary designated around the contaminated job site.

4.9.6 Decontamination and Containerization

4.9.6.1 Decontamination

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Visible dust and residual material shall not be allowed to accumulate on surfaces in the Control Area. Contractor shall utilize work methods and procedures that prevent the spread of dust and debris within the work area. Do not dry sweep or use compressed air to decontaminate the area. At the end of each shift and when the heavy metal bearing material removal operation has been completed, clean the area of visible contamination by vacuuming with a HEPA filtered vacuum [and wet mopping the area].

4.9.6.2 Certification

The CIH must certify in writing that airborne concentrations of heavy metals both inside and outside the control area remained below 50% of applicable heavy metal OSHA PELs (excluding lead), and that airborne concentrations of lead were less than 30 micrograms per cubic meter of air, in the event of any excursion above the acceptable PEL value the CIH shall detail why the excursion occurred. PPE and Engineering Controls **must be** in use during the excursion. Additionally, the CIH shall certify that the work procedures were performed in accordance with applicable OSHA requirements including 29 CFR 1926.62 (for lead), and that there were no visible accumulations of contaminated dust or residual material on work area surfaces. Contractor shall not remove the control area or roped-off boundary and warning signs prior to receipt of the CIH's certification. Re-clean areas showing dust or residual materials.

4.9.6.3 Collection and Containerization

- Collect contaminated waste, scrap, debris, bags, containers, equipment, and contaminated clothing which may produce airborne concentrations of heavy metal particles.
- Store removed material, contaminated clothing and equipment, contaminated dust or residual material and decontamination debris into DOT approved containers. Properly label each drum to identify the type of waste and the date contaminated wastes were first put into the drum. GM O&C Representative will obtain and complete the Uniform Hazardous Waste Manifest forms.

4.10 Sewer Cleanout

Work shall include, but not be limited to: mobilization; demobilization; bypass pumping/flow control; traffic control; root removal; debris removal and disposal; site restorations; permitting; field logs; and all incidentals necessary to complete the work as described in these Specifications.

Contractor shall perform the work in accordance with 29 CFR 1910.146 and the requirements of all standards, codes, regulations, and recommended practices as detailed in this Specification. In the event of conflict, the more stringent standard, code, regulation, or recommended practice shall govern.

4.10.1 Buried Structure

If a structure is found to be in-accessible (e.g., manhole located under an existing equipment), Contractor shall record such information on the Sewer Location Plans ("Red Line" Drawings).

4.10.2 Decontamination

Decontamination of the structures shall consist of the removal of grease, sand, silt, solids, rags, debris, residual material etc., from each structure including horizontal and vertical sections of sewer systems.

Selection of decontamination equipment and the method for decontamination, shall be based on the condition and/or pipe material of the structure at the time work commences. **FLUSHING TO FACILITATE DECONTAMINATION IS EXPRESSLY PROHIBITED.**

Satisfactory precautions shall be taken to protect all structures and appurtenances from damage that might be inflicted upon them by the improper use of decontamination equipment. Contractor shall repair any damage inflicted by the improper use of the decontamination equipment,

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regardless of the decontamination method used, at no additional cost to GM.

Sewer piping will be bulkheaded downstream of the decontamination area to prevent releases of disturbed materials and rinse water.

4.10.3 Damage Prevention During Decontamination Operation

Contractor shall recognize that there are some conditions such as broken pipe and major blockages that prevent decontamination from being accomplished or where damage would result if decontamination efforts were continued. Should such conditions be encountered, Contractor shall immediately notify GM O&C Representative. If in the course of decontamination operations, damage does result from pre-existing and unforeseen conditions such as broken pipe, Contractor will not be held responsible. GM O&C Representative shall be notified of any conditions which warrant termination of decontamination activities.

4.10.4 Decontamination Operations Equipment

Only hydraulic and/or high-velocity jet equipment shall be used by Contractor to accomplish decontamination activities. Alternate equipment and/or methods shall not be permitted without the express written consent of GM.

4.10.4.1 Hydraulically Propelled Equipment

The equipment used may be of a movable dam type and shall be constructed in such a way that a portion of the dam may be collapsed at any time during the decontamination operation to protect against flooding of the sewer. The moveable dam shall be equal in diameter to the pipe being cleaned and shall provide a flexible scraper around the outer periphery to insure removal of grease. If sewer decontamination bails or other equipment, which cannot be collapsed, is used, special precautions to prevent flooding of the sewers and public or private property shall be taken. Machines with direct drive that could cause damage to the pipe shall not be allowed.

4.10.4.2 High-Velocity Jet Equipment

All high-velocity sewer decontamination equipment shall be constructed for ease and safety of operation. The equipment shall have a selection of two or more high-velocity nozzles. The nozzles shall be capable of producing a scouring action from 15 to 45 degrees in all size lines designated to be cleaned. Equipment shall also include a high-velocity gun for washing and scouring manhole walls and floor. The gun shall be capable of producing flows from a fine spray to a solid stream. The equipment shall carry its own water tank, auxiliary engines, pumps, and hydraulically driven hose reel. When hydraulic or high velocity decontamination equipment is used, a suitable sand trap, weir, or dam shall be constructed in the downstream manhole in such a manner that all solids and debris are trapped and removed, thereby preventing such materials from passing into the next sewer section.

4.10.4.3 Miscellaneous Requirements

Contractor shall insure that all debris and rinsewater are properly collected for sampling and analysis (by GM Representative) prior to discharge or disposal.

Contractor shall be responsible for all costs associated with providing water for hydraulic decontamination equipment. All charges for obtaining water shall be considered incidental to the decontamination of the sewer segments. Contractor shall, prior to commencement of work, make appropriate water usage arrangements with GM and the city of Saginaw, MI (if applicable).

When Contractor encounters an obstruction that normally cannot be cleaned with equipment indicated above, Contractor shall notify GM or the GM O&C Representative immediately as well as record the location of the obstruction on the sewer location plans ("redline" drawings).

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4.11 Hydraulic Lifts and Associated Piping

This specification covers the requirements and procedures for limiting occupational and environmental exposure to hydraulic oils when closing hydraulic lift systems.

4.11.1 Preparation of Hydraulic Lift Systems

The Contractor will be responsible for the shut-down, lock-out, and tagging out of each hydraulic lift system prior to commencing work on the systems. This work shall be conducted in accordance with 40 CFR Part 1910.333 (b)(2).

4.11.2 Removal of Hydraulic Oil

Contractor will be responsible for removing the hydraulic oil from the reservoir tank, pit or casing (i.e., Global Lifts) and associated piping at each hydraulic lift system in a safe and proper way so as not to release any substance into or on the land surface, waterway, or any other portion of the environment. The Contractor shall comply with the Clean Air and Clean Water Acts. Residues on the interior of the tanks and piping shall be removed and cleaned. Steam or detergent solutions may be used to aid in the decontamination provided they are disposed of the same as the hydraulic system contents and do not introduce hazardous substances.

Oil recovery may be accomplished by vacuum extraction/pumping the oils from the reservoir tank, removing the piston and valves, and draining or air-purging the associated piping, being careful to avoid any spillage. It may be necessary to hand-pump the last few inches of product. Cap the inlet end of the piping connected to the reservoir tank after removing product.

4.11.3 Disposal of Hydraulic Oil And Residue

The Contractor will be responsible for transport and disposal of all product and residue recovered as part of preparing the hydraulic lift system for closure in accordance with applicable Federal, State, and local regulations, and as specified in Section 4.0. Potential PCB-bearing oils will be appropriately segregated and containerized for disposal by GM (Section 4.8).

4.11.4 Spills/Surficial Free Product

The Contractor shall implement containment actions as necessary to minimize the effect of any spill or area having leakage associated with the hydraulic lift systems. Decontamination shall be in accordance with the applicable Federal, State, and local laws and regulations.

4.11.5 Site Work

Site work shall include all pavement removal, excavation, trench work, backfill, dewatering, demolition, and restoration that is required for the complete removal of the hoists and associated hydraulic systems. The Contractor shall remove, segregate and containerize all surplus excavation material and construction debris, hoists, piping, and any associated hydraulic oil.

4.11.6 Removal

The Contractor shall remove the accessible hydraulic components (i.e., the active hoists, tanks and above ground piping) from the site. The Contractor shall remove the closed hoists, underground piping, pits, and/or other components as specified in Section 4.11.7.

4.11.7 Excavation and Removal

The Contractor shall saw cut to full depth the existing paved areas to the limits shown by GM or its O&C Representative to complete the hoist removal. All excavations shall be made to allow safe access to complete all phases of the work. The Contractor shall use methods and equipment for pavement removal that will not damage the existing hoists, piping, and conduit prior to their removal from the excavation. The Contractor shall be responsible for removing the hoists in accordance with the following guidelines.

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- Secure the work area with barricade tape and warning signs supported with fencing and/or posts as necessary to preclude entry by unauthorized individuals. Barricades shall be either lighted or reflectorized to provide visibility during darkness.
- Establish an exclusion zone (no smoking within).
- Excavate to uncover the hoist and any underground hydraulic tanks and piping.
- Remove all liquids from the hoist and associated piping, tanks and pits.
- Excavate around the hoist to prepare for removal.
- Equipment with sufficient lifting capacity shall be used to lift the hoist from the excavation, along with any associated hydraulic piping and tanks.
- Any hoist removed from the excavation zone shall be cleaned on-site the day of the removal.

4.11.8 Analytical Sampling

Following removal of the underground components of the hydraulic lift system, the Contractor shall collect soil samples at the direction of the GM Representative.

4.11.9 Contaminated Soil and Liquids

The Contractor may encounter contaminated soil and/or liquids during the excavation. Should impacted materials be identified by visual, oratory, field screening or analytical test results, the Contractor shall immediately notify General Motors Representative.

4.11.10 Backfill

Backfilling materials and procedures, shall comply with appropriate standards as determined by GM or the GM O&C Representative.

4.12 CFC and Refrigerant Removal

This section reviews the refrigerant recycling requirements of Section 608 of the Clean Air Act, 1990, as amended (CAA), including final regulations published on May 14, 1993 (58 FR 28660), and the prohibition on venting that became effective on July 1, 1992.

4.12.1 Overview

Under Section 608 of the CAA, EPA has established regulations that:

- Require service practices that maximize recycling of ozone-depleting compounds (both chlorofluorocarbons [CFCs] and hydrochlorofluorocarbons [HCFCs]) during the servicing and disposal of air-conditioning and refrigeration equipment.
- Set certification requirements for recycling and recovery equipment, technicians, and reclaimers.
- Restrict the sale of refrigerant to certified technicians.
- Require persons servicing or disposing of air-conditioning and refrigeration equipment to certify to EPA that they have acquired recycling or recovery equipment and are complying with the requirements of the rule.
- Require the repair of substantial leaks in air-conditioning and refrigeration equipment with a charge of greater than 50 pounds.
- Establish safe disposal requirements to ensure removal of refrigerants from goods that enter the waste stream with the charge intact (e.g., motor vehicle air conditioners, home refrigerators, and room air conditioners).

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4.12.2 The Prohibition on Venting **Arcadis**

Effective July 1, 1992, Section 609 of the CAA prohibits individuals from knowingly venting ozone-depleting compounds used as refrigerants into the atmosphere while maintaining, servicing, repairing, or disposing of air-conditioning or refrigeration equipment. Only four types of releases are permitted under the prohibition:

- "De minimis" quantities of refrigerant released in the course of making good faith attempts to recapture and recycle or safely dispose of refrigerant.
- Refrigerants emitted in the course of normal operation of air-conditioning and refrigeration equipment (as opposed to during the maintenance, servicing, repair, or disposal of this equipment) such as from mechanical purging and leaks. However, EPA is requiring the repair of substantial leaks.
- Mixtures of nitrogen and R-22 that are used as holding charges or as leak test gases, because in these cases, the ozone-depleting compound is not used as a refrigerant. However, a technician may not avoid recovering refrigerant by adding nitrogen to a charged system; before nitrogen is added, the system must be evacuated to the appropriate level in Table 1 of Paragraph I of this section. Otherwise, the CFC or HCFC vented along with the nitrogen will be considered a refrigerant. Similarly, pure CFCs or HCFCs released from appliances will be presumed to be refrigerants, and their release will be considered a violation of the prohibition on venting.
- Small releases of refrigerant which result from purging hoses or from connecting or disconnecting hoses to charge or service appliances will not be considered violations of the prohibition on venting. However, recovery and recycling equipment manufactured after November 15, 1993, must be equipped with low-loss fittings.

4.12.3 Equipment Certification

The EPA has established a certification program for recovery and recycling equipment. Under the program, EPA requires that equipment manufactured on or after November 15, 1993, be tested by an EPA-approved testing organization to ensure that it meets EPA requirements. Recycling and recovery equipment intended for use with air-conditioning and refrigeration equipment besides small appliances must be tested under the ARI 740-1993 test protocol, which is included in the final rule as Appendix B. Recovery equipment intended for use with small appliances must be tested under either the ARI-740-1993 protocol or Appendix C of the final rule. The Agency is requiring recovery efficiency standards that vary depending on the size and type of air-conditioning or refrigeration equipment being serviced. For recovery and recycling equipment intended for use with air-conditioning and refrigeration equipment besides small appliances, these standards are the same as those in the second column of Table 1 of Paragraph I of this section. Recovery equipment intended for use with small appliances must be able to recover 90 percent of the refrigerant in the small appliance when the small appliance compressor is operating and 80 percent of the refrigerant in the small appliance when the compressor is not operating.

Equipment manufactured before November 15, 1993, including homemade equipment, will be grandfathered if it meets the standards in the first column of Table 1 of Paragraph I of this section. Third party testing is not required for equipment manufactured before November 15, 1993, but equipment manufactured on or after that date, including homemade equipment, must be tested by a third-party (see Equipment Certification above).

4.12.4 Mandatory Technician Certification

EPA has established a mandatory technician certification program. The Agency has developed four types of certification:

- For servicing small appliances (Type I).
- For servicing or disposing of high- or very high-pressure appliances, except small appliances and MVACs (Type II).
- For servicing or disposing of low-pressure appliances (Type III).

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- For servicing all types of equipment (Universal).

Persons removing refrigerant from these appliances and motor vehicle air conditioners for purposes of disposal of these appliances do not have to be certified.

Technicians are required to pass an EPA-approved test given by an EPA-approved certifying organization to become certified under the mandatory program. Technicians must be certified by November 14, 1994. EPA expects to have approved some certifying organizations by September of this year. The Stratospheric Ozone Hotline will distribute lists of approved organizations at that time.

EPA plans to "grandfather" individuals who have already participated in training and testing programs provided the testing programs:

- are approved by the EPA; and
- provide additional, EPA-approved materials or testing to these individuals to ensure that they have the required level of knowledge.

Although any organization may apply to become an approved certifier, EPA plans to give priority to national organizations able to reach large numbers of people. EPA encourages smaller training organizations to make arrangements with national testing organizations to administer certification examinations at the conclusion of their courses.

4.12.5 Certification Of Recycling And Recovery Equipment

The Contractor or Subcontractor disposing of air-conditioning and refrigeration equipment must certify, or have certification on record, to the EPA and to General Motors, that they have acquired (built, bought, or leased) recovery or recycling equipment and that they are complying with the applicable requirements of the rules. This certification must be signed by the owner of the equipment or another responsible officer and sent to the appropriate EPA Regional Office.

4.12.6 Safe Disposal Requirements

Under EPA's rule, equipment dismantled on-site before disposal (e.g., retail food refrigeration, cold storage warehouse refrigeration, chillers, and industrial process refrigeration) has to have the refrigerant recovered in accordance with EPA's requirements for servicing. The Contractor must provide documentation of the removal.

4.12.7 Major Recordkeeping Requirements

Technicians servicing appliances that contain 50 or more pounds of refrigerant must provide the owner with an invoice that indicates the amount of refrigerant added to the appliance. Technicians must also keep a copy of their proof of certification at their place of business.

Reclaimers must maintain records of the names and addresses of persons sending them material for reclamation and the quantity of material sent to them for reclamation. This information must be maintained on a transactional basis. Within 30 days of the end of the calendar year, reclaimers must report to EPA the total quantity of material sent to them that year for reclamation, the mass of refrigerant reclaimed that year, and the mass of waste products generated that year.

4.12.8 Hazardous Waste Disposal

If refrigerants are recycled or reclaimed, they are not considered hazardous under federal law. In addition, used oils contaminated with CFCs are not hazardous on the condition that:

- They are not mixed with other waste.
- They are subjected to CFC recycling or reclamation.
- They are not mixed with used oils from other sources.

Used oils that contain CFCs after the CFC reclamation procedure, however, are subject to specification limits for used oil fuels if these oils are destined for burning.

4.12.9 System Evacuation

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4.12.9.1 Evacuation Requirements

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The Contractor is required to evacuate air-conditioning and refrigeration equipment of refrigerants and oils contaminated with CFCs to established vacuum levels. If the recovery or recycling equipment is manufactured any time before November 15, 1993, the air-conditioning and refrigeration equipment must be evacuated to the levels described in the first column of Table 1. If the recovery or recycling equipment is manufactured on or after November 15, 1993, the air-conditioning and refrigeration equipment must be evacuated to the levels described in the second column of Table 1, and the recovery or recycling equipment must have been certified by an EPA-approved equipment testing organization (see Equipment Certification).

TABLE 1

Type of Appliance	Inches of Mercury Vacuum* Using Equipment Manufactured:	
	Before Nov. 15, 1993	On or After Nov. 15, 1993
HCFC-22 Appliance** Normally Containing Less Than 200 Pounds of Refrigerant	0	0
HCFC-22 Appliance** Normally Containing 200 Pounds or More of Refrigerant	4	10
Other High-Pressure Appliance** Normally Containing Less Than 200 Pounds of Refrigerant (CFC-12, -500, -114)	4	10
Other High-Pressure Appliance** Normally Containing 200 Pounds or More of Refrigerant (CFC-12, -500, -114)	4	15
Very High-Pressure Appliance (CFC-13, -503)	0	0
Low-High Pressure Appliance (CFC-11, HCFC-123)	25	25 mm Hg absolute

* Relative to Standard Atmospheric Pressure of 29.92" Hg.

** Or Isolated Component of Such an Appliance

4.12.9.2 Exceptions to Evacuation Requirements

EPA has established limited exceptions to its evacuation requirements for:

- repairs to leaky equipment; and
- repairs that are not major and that are not followed by an evacuation of the equipment to the environment.

If, due to leaks, evacuation to the levels in Table 1 is not attainable, or would substantially contaminate the refrigerant being recovered, persons opening the appliance must:

- isolate leaking from non-leaking components wherever possible;
- evacuate non-leaking components to the levels in Table 1; and
- evacuate leaking components to the lowest level that can be attained without substantially contaminating the refrigerant. This level cannot exceed 0 psig.

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If evacuation of the equipment to the environment is not to be performed when repairs are complete, and if the repair is not major, then the appliance must:

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- be evacuated to at least 0 psig before it is opened if it is a high or very high-pressure appliance; or
- be pressurized to 0 psig before it is opened if it is a low-pressure appliance. Methods that require subsequent purging (e.g., nitrogen) cannot be used.

Major repairs are those involving removal of the compressor, condenser, evaporator, or auxiliary heat exchanger coil.

4.12.9.3 Reclamation Requirement

EPA has also established that refrigerant recovered and/or recycled can be returned to the same system or other systems owned by the same person without restriction. If refrigerant changes ownership, however, that refrigerant must be reclaimed (i.e., cleaned to the ARI 700 standard of purity and chemically analyzed to verify that it meets this standard). This provision will expire in May 1995 when it may be replaced with an off-site recycling standard.

4.13 Underground Storage Tanks Removal and Disposal

4.13.1 Scope of Project

The general scope of the project shall consist of the removal and disposal of the existing closed USTs, associated piping, appurtenances, and remaining free product within the site area. All work shall be conducted in accordance with the Contractor's HASP and applicable state and federal regulations. The HASP shall meet the requirements of the Occupational Safety and Health Administration (OSHA) regulations contained in 29 CFR Part 1910 and 29 CFR Part 1926.

Underground Storage Tank removals shall comply in all respects with the State of Michigan and the City of Saginaw, MI regulations.

4.13.2 Site Work

Site work shall include all pavement removal, excavation, trench work, backfill, dewatering, demolition and restoration that is required for the complete removal of the USTs and dispensing systems. The Contractor shall remove and containerize all surplus excavation material and construction debris, clean and properly dispose of the USTs and associated free product.

Contractor shall secure the work area with barricade tape and warning signs supported with fencing and/or posts as necessary to preclude entry by unauthorized individuals. Barricades shall be either lighted or reflectorized to provide visibility during darkness.

4.13.3 Excavation

The Contractor shall saw cut to full depth the existing paved areas to the limits shown by General Motors' representative to complete the UST removal. All excavations shall be made to allow safe access to complete all phases of the work. The Contractor shall use methods and equipment for access to complete all phases of the work. The Contractor shall use methods and equipment for pavement removal that will not damage the existing USTs, piping, and electrical conduit prior to their removal from the excavation. The Contractor shall be responsible for bracing the excavation in accordance with the guidelines established under the Department of Labor 29 CFR Part 1926 OSHA Standards - Excavations; Final Rule. No additional payment will be made for over-excavation and backfill.

4.13.4 Backfill

Backfilling materials and procedures shall comply with standards determined by GM.

4.13.5 Contaminated Soil and Liquids

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The Contractor may encounter contaminated soil and/or liquids during the excavation. Should impacted materials be identified by visual, olfactory, field screening or analytical test results, the Contractor shall immediately notify the GM Representative. Contaminated soils or liquids shall be containerized for disposal by GM.

4.13.6 Required Checklist for UST Removals

The following checklist shall be followed as prescribed. These requirements do not exempt the Contractor from any other State or Federal requirements or regulations and are not meant to be all inclusive. Underground storage tank (UST) includes underground pipes, conduits, and cathodic protection.

- In conjunction with General Motors' Representative, secure proper permitting and required notices of removal to the appropriate State and local authorities.
- All monitoring equipment shall be maintained according to manufacturer's specifications.
- Establish an exclusion zone (no smoking within). The use of spark-producing or non-explosion proof equipment is prohibited in the vapor hazard area.
- Excavate to the top of the tank, drain, and remove all piping except the vent lines. Pipe trenches shall remain open for inspection by General Motors' Representative.
- Remove all liquids from the tank using explosion-proof pumps or hand pumps.
- The tank atmosphere and the excavation area shall be regularly monitored with a Combustible Gas Indicator (CGI), for flammable or combustible vapor concentrations until the tank is removed from both the excavation and the Site. Monitoring the UST shall be done at 3 levels in the tank (bottom, middle, and top).
- Purging/vapor freeing shall be done in accordance with API 1604 Section 2.2. When purging the tank with compressed air or using inert gases under pressure, all devices must be bonded to the tank and the tank must be grounded to a separate ground.
- Monitor tank to insure explosive conditions do not exist, i.e., lower explosive limits (LEL) 5% or less oxygen O₂ 5% or less.
- Plug and cap all accessible tank holes. One plug should have 1/8" vent hole.
- Excavate around the tank to prepare for removal. Excavation and removal must occur on the same day as exposure of tank.
- Equipment with sufficient lifting capacity shall be used to lift the tank from the excavation.
- Any UST removed from the excavation zone shall be cleaned on site the day of the removal.
- A sufficient number of holes or openings shall be made in the tank for disposal or tank entry. Minimum opening of 9 square feet each opposite side or end. Continuous spark producing equipment will only be allowed when proper inerting procedures have been followed according to API 1604 Section 2.2.3 170.670(a)(3) and API 1604 7.2.1.
- When applicable, adhere to all confined space procedures (29 CFR 1910.146).

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5.0 WASTE HANDLING

This section defines waste handling requirements and responsibilities including:

- Sanitary Wastes and General Refuse
- Waste Segregation
- Solid Hazardous and Non-hazardous Waste Containerization & Labeling Requirements
- Liquid Hazardous and Non-hazardous Wastes (excluding washwater)
- Wash/Rinse Wastewater

5.1 Control and Disposal of General Refuse and Sanitary Wastes

Contractor must pick up solid wastes, and place in containers which are regularly emptied. Do not prepare, cook, or dispose of food (except in approved containers) on the project site. Prevent contamination of the site of other areas when handling and disposing of wastes. On completion of work each day, leave the areas clean. Control and dispose of waste.

5.1.1 Garbage/ General Refuse Disposal

Place garbage in approved containers, and move to a pickup point or disposal area, where directed. Contractor is responsible for the transportation and disposal of all general refuse generated by the Contractor.

5.1.2 Sewage, Odor, and Pest Control

Dispose of sewage through connection to the sanitary sewage system (with approval from GM and/or local governing agency). Where such system is not available, use chemical toilets or comparably effective units, and periodically empty wastes into the sanitary sewage system or by off-site disposal. Include provisions for pest control and elimination of odors. Do not dispose of sanitary wastes through the process or storm sewer systems. Contractor is responsible for any transportation and disposal costs for sanitary waste.

5.2 Waste Segregation

Contractor will be responsible for segregating all wastes into similar waste streams as defined in the Contractor's approved RMP. Contractor may be required to combine, consolidate or composite some wastes at the direction of the GM representative.

5.3 Management of Decontamination Residuals

Contractor shall manage and all residuals in accordance with State and Federal regulations and as specified in the Contractor's Residuals Management Plan (Section 7.4.4).

5.4 Protective Clothing

Provide personnel exposed to any hazardous area with proper protective whole body clothing, head coverings, gloves, foot coverings and respiratory protection in accordance with 29 CFR 1910 and the provisions of the HASP.

5.5 Solid Waste Material Handling, Storage, Transportation and Disposal

All solid hazardous, industrial, or non-hazardous waste (excluding general refuse) generated during the decontamination activities, shall be properly containerized in 55 gallon, 1A2 (17 H open top) DOT approved drums provided by Contractor. Bulk roll-off boxes will be supplied by GM, if GM or GM's O&C Representative deems that bulk containers would be beneficial. Contractor will temporarily store waste at a GM approved on-site location. Waste containers shall be labeled by the Contractor. Information recorded on the label should include the date the waste was generated, the source of the waste, the matrix of the waste, and number of

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drums or quantity of waste generated from that unit number. Disposal and transportation fees for hazardous waste will be GM's responsibility. The Contractor shall maintain proper records of the wastes generated and notify GM or GM's O&C Representative in writing of the type, quantity, generation, and storage location of the wastes generated on a daily basis. The GM O&C representative or other GM representative will be responsible to characterize, profile and manifest all solid wastes. For oil and hazardous material spills, notify Plant Security and the GM O&C Representative immediately.

5.6 Liquid Wastes (Excluding Wash /Rinse Wastewater)

All liquid hazardous and non-hazardous waste generated during the decontamination activities shall be properly containerized in 55 gallon, DOT approved drums or bulk containers. Drums will be provided by the Contractor. Contractor will be required to temporarily store waste at a GM approved on-site location. Waste containers shall be labeled by the Contractor. Information recorded on the label should include the date the waste was generated, the source of the waste, the matrix of the waste, and number of drums or quantity of waste generated from that unit number. Disposal and transportation fees for hazardous waste will be GM's responsibility. The Contractor shall maintain proper records of the wastes generated and notify GM or GM's O&C Representative in writing of the type, quantity, generation, and storage location of the wastes generated on a daily basis. The GM O&C representative or other GM representative will be responsible to characterize, profile and manifest all liquid wastes (excluding wash/rinse wastewater). For oil and hazardous material spills, notify Plant Security and the GM O&C Representative immediately.

5.7 Wash/Rinse Wastewater

All wastewater generated during the decontamination activities shall be properly containerized in 55-gallon DOT approved drums or bulk containers supplied by the Contractor. If deactivation activities will generate more than 2,000 gallons of wash/rinse wastewater, then Contractor will be required to provide bulk containers for containment of all wastewater generated. The Contractor shall make every attempt to minimize the generation of wastewater and should incorporate the reuse or recycling of wastewater as applicable. It is the intent of GM not to utilize the Saginaw Malleable Iron facilities on-site Wastewater Treatment Plant (WWTP). Should the Contractor decide to process wash/rinse wastewater on site, the Contractor will be responsible for proper permitting and provide a portable wastewater treatment (WWT) system capable of treating all wastewater prior to discharge to process wastewater lines, with approval from GM. The portable WWT system will be capable (at a minimum) of providing the following three treatment methods:

1. Filter Unit
2. Oil/Water Separator Unit
3. Granular Activated Carbon Unit

The Contractor supplied Frac. Tank(s) will collect all treated effluent prior to discharge to the process wastewater lines, with approval. The portable WWT system should be permitted for operation within the state where the project will be performed. All treated effluent will be analyzed prior to discharge to the facility's on-site WWTP. The Contractor shall assume that the laboratory analytical results will take an average one-week (standard turnaround) or a minimum of three days (rush turnaround). If wastewater meets Saginaw Malleable Iron facilities criteria, the Contractor will be required to discharge the wastewater to the Saginaw Malleable Iron facilities WWTP at a location approved by GM.

If wastewater does not meet the Saginaw Malleable Iron facilities criteria, then the Contractor will be required to dispose of the wastewater off-site at a GM approved WWTP. The cost associated with the transportation, treatment, and disposal of any wastewater at a GM-approved off-site WWTP will be the responsibility of the Contractor.

Wastewater containers shall be labeled by the Contractor. Information recorded on the label should include the date the wastewater was generated, the unit number from which the wastewater was generated and the quantity of waste generated from that unit number. The Contractor shall maintain proper records of the wastewater generated and notify GM or the GM Representative in writing of the type, quantity, generation, and storage location of the wastewater generated on a daily basis. For oil and hazardous material spills, notify Plant Security and the GM Representative immediately.

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6.0 AIR MONITORING

6.1 General Requirements

Air monitoring will be conducted to identify and quantify airborne contaminants inside and outside of the defined Work Area(s) and to detect contaminant concentrations which may challenge the ability of Work Area isolation procedures and established engineering controls to contain such contaminants. Air monitoring will also be used to determine compliance with federal, state and/or local regulations and to select personal protective equipment.

6.2 Baseline Monitoring

The GM O&C Representative shall collect air samples to establish baseline levels of known contaminants prior to the start of cleaning activities. Baseline results will be used to establish final clearance criteria.

6.3 Personal Exposure Monitoring

6.3.1 Personal Exposure Sampling

Contractor is solely responsible for OSHA personal exposure sampling. It is the Contractor's responsibility to conduct proper personal exposure monitoring in accordance with applicable standards and regulations. Results of exposure monitoring shall be posted and a copy of the results submitted to the GM Representative within 48 hours of sample collection.

6.3.2 Monitoring Requirements

Monitoring of airborne concentrations of lead shall be in accordance with 29 CFR 1926.62 and as specified herein. Monitoring for airborne concentrations of other heavy metals and/or airborne contaminants shall be in accordance with OSHA requirements. Air monitoring, testing, and reporting shall be performed by an ABIH Certified Industrial Hygienist (CIH) or an Industrial Hygiene Technician (IH) under the direction of a CIH.

6.3.2.1 Contractor's CIH, or IH under the direction of a CIH, must be on the jobsite directing the monitoring activities and inspecting the contaminated material removal work to ensure that the requirements of the Contract have been satisfied. Personal exposure monitoring will continue during the entire decontamination operation.

6.3.2.2 Contractor's CIH or IH will collect representative personal air monitoring samples during each work shift on employees who are anticipated to have the greatest risk of exposure. In the event representative monitoring results indicate that exposures are below OSHA established levels as defined in Section 6.6.1 of this Section, then representative monitoring may be discontinued at the discretion of the CIH or IH. Additional representative monitoring must be performed whenever there is a change of equipment, process, control, personnel or a new type of job is added which may result in new or additional exposures. In all cases, exposure monitoring shall comply with OSHA requirements.

6.3.2.3 Air Monitoring Results

Submit air monitoring results to GM Representative within 2 working days, signed by the employee performing the air monitoring, the testing laboratory employee that analyzed the sample, and the CIH.

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6.4 Area Monitoring Adjacent to Cleaning/Decontamination

GM Representative will perform area monitoring throughout the cleaning/decontamination operations. Sufficient area monitoring will be conducted at the physical boundary to ensure unprotected personnel are not exposed above 50% of OSHA PELs for all heavy metals with the exception of lead. Airborne concentrations of lead shall not exceed 30 micrograms per cubic meter of air. At a minimum, the GM O&C Representative will conduct area monitoring daily on each shift in which contaminant removal operations are performed in areas immediately adjacent to the control area. For outdoor operations, at least one air sample on each shift shall be taken on the downwind side of the control area. In the event an area sample result exceeds established limits, GM O&C Representative will visually inspect the area where the exceedance occurred to determine if cleaning must be performed.

6.5 Clearance Monitoring

Upon completion of the final visual inspection for a Work Area, clearance air monitoring will be conducted to determine if contaminant levels have been reduced to pre-decontamination (or lower) levels. In the event final clearance levels are above pre-decontamination levels, then a 24-hour settling period will be allowed before additional clearance samples are collected. Additional cleaning may be required if clearance testing fails a second time.

6.6 Stop Work Levels

6.6.1 Inside Work Area

Exposure Guidelines will strictly follow those defined by OSHA. The exposure limits specified are OSHA's permissible exposure limits (PELs) and "published exposure levels". The "published exposure levels" will be used when no PEL exists. A "published exposure level" is defined as "the exposure limits published in NIOSH Recommendations for Occupational Health Standards' dated 1986 incorporated by reference. If none is specified, the exposure limits published in the standards specified by the American Conference of Governmental Industrial Hygienists in their publication Threshold Limit Values and Biological Exposure Indices for 1993 - 1994 dated 1993 incorporated by reference. These limits establish the 'stop work' levels for all work performed inside the defined Work Area. Work will be allowed to continue only when feasible engineering controls have been installed and OSHA-approved personal protective equipment and personal hygiene practices have been implemented.

6.6.2. Outside Work Area

If the outside boundary lead levels are at or exceed 30 micrograms per cubic meter of air, or are at or exceed 50% of other heavy metal PELs based on an eight hour time weighted average (or an adjusted action level value based on shift duration greater than eight hours), work will be stopped immediately and GM will be notified. Contractor and GM Representative will determine the condition(s) causing the increased levels. The GM Representative will review the sampling data collected on that day to determine if condition(s) requires any further change in work methods. Removal work will resume when approval is given by the GM Representative.

6.7 Laboratory Analyses

A GM-qualified testing laboratory will be employed to perform laboratory analyses of the air samples collected by the GM representative. Samples will be overnight-expressed on a daily basis so that verbal reports on air samples can be obtained within 72 hours. The Contractor will have access to all air monitoring tests and results.

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7.0 PRE-DECONTAMINATION REQUIREMENTS, DELIVERABLES, AND ACTIVITIES

This section specifies administrative and supervisory personnel requirements, notifications, permits, and pre-decontamination deliverables including, but not limited to:

- Administrative and supervisory personnel
- Notifications to other entities at job site
- Permits
- Notifications
- Health & Safety Plan
- Substance Abuse Program
- Project Work Plan
- Residual Management Plan
- Heavy Metal Containing Material Removal Plan

In addition, the Contractor will attend the following training prior to beginning work:

- Contractor must attend plant ISO 14001 training
- Contractor must attend plant safety training

7.1 Administrative and Supervisory Personnel

7.1.1 Project Supervisor

The Contractor shall provide a full-time Project Supervisor who is experienced in administration and supervision of environmental decontamination projects including work practices, protective measures for building and personnel, disposal procedures, etc. This person is the Contractor's representative responsible for compliance with all applicable Federal, State and local regulations.

7.1.2 Experience and Training

The Project Supervisor must have completed the 40-Hour OSHA Hazardous Waste Operations Training program per 29 CFR 1910, demonstrate current certification per the 8-Hour Refresher Course, and have had a minimum of five (5) years supervision experience in environmental decontamination procedures. Contractor must submit qualification documents to GM.

7.1.3 Competent Person

The Project Supervisor is to be a Competent Person as required by OSHA in 29 CFR 1910.

7.1.4 State License/Certification

The Contractor, including all subcontractors and sub-subcontractors, must be licensed/certified in accordance with applicable state regulations. Contractor must submit copy of any applicable licenses to GM.

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7.2 Notifications

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7.2.1 Site Notifications

Notify other entities at the job site of the nature of the decontamination activities, location of contaminants or impacted materials, requirements relative to those set forth in these specifications and applicable regulations.

7.2.2 Emergency Service Notifications

Notify emergency service agencies including fire, ambulance, police or other agency that may service the work site in case of an emergency. Notification is to include methods of entering work area, emergency entry and exit locations, modifications to fire notification or fire fighting equipment, material to be used for decontamination, and other information needed by agencies providing emergency services.

7.2.3 Notifications of Emergency

Any individual at the job site may notify emergency service agencies if necessary without effect on this Contract or the Contract Sum

7.3 Permits

The Contractor shall obtain any and all necessary permits required to safely execute the work.

7.4 Pre-Decontamination Deliverables

This section specifies administrative and procedural requirements for deliverables required for performance of the Work following project award.

Package each deliverable appropriately and include statements detailing minor variations and limitations. Include Contractor's certification that information complies with Contract Document requirements. Two copies of the deliverable package will be provided to the GM Representative within 10 days of project award. Deliverable packages shall be in a neat and orderly fashion, will include index and shall be compiled in the order requested. Clearly mark and label all sections of the deliverable package. Deliverable packages received by GM or the GM Representative which do not meet the above requirements may not be accepted and may be returned without action.

A Contingency Plan, Site-Specific Health and Safety Plan (HASP) and Project Work Plan (PWP) shall be prepared as required in GM 1638 Article 9.

7.4.1 Residuals Management Plan (RMP)

7.4.1.1 The Contractor shall prepare a detailed draft Residuals Management Plan (RMP) and submit 5 copies to the GM Representative for review within 10 days of project award. Revisions, if necessary, shall be submitted within 2 days of receipt of the comments on the Draft. The Residual Management Plan shall:

- Describe type and quantity of waste (solid, liquid, wastewater) anticipate to be generated from each item listed in Section 8.6.
- Describe collection, segregation, and containerization of wastes generated from each item listed in Section 8.6.
- Describe wastewater treatment methods and/or wastewater disposal location.

7.4.1.2 For each of the waste streams listed above, the Contractor shall provide in the Project Plan a detailed description of how he intends to treat or remove the waste from the building, prevent release of the materials to the environment, reduce volume if applicable, and containerize the waste stream. The Contractor shall estimate the quantities he expects will be generated.

7.4.1.3 GM is to be considered the generator of all "industrial" wastes generated as a result



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of this project (excluding general refuse and sanitary wastes). Disposal of hazardous waste, excluding waste water, is the sole responsibility of GM. Debris, trash and non-hazardous waste is the responsibility of the subcontractor.

- 7.4.1.4 Collection, storage, segregation and containment of all liquid wastes resulting from the decontamination of the structures and their contents will be coordinated with the GM O&C Representative. Contractor will identify decontamination agents he intends to provide for use and will certify that they do not contain cyanide, organic solvents or compounds, detergents, oil, phosphates, excessive concentrations of metals or other objectionable contaminants, or otherwise arrange to segregate, collect, and dispose of these liquid wastes at his own expense. All decontamination agents the must receive approval of GM Representative prior to being brought on-site.

7.4.2 Heavy Metal-Containing Material Removal Plan

Submit a detailed job-specific plan of work procedures to be used in the removal of heavy metal containing material within 10 days of project award. Submit 5 draft copies to the GM O&C Representative for review. Revisions if necessary, must be submitted within 2 days of receipt of the comments on the Draft. The plan shall include a sketch showing the location, size, and details of heavy metal control areas, location and details of decontamination rooms, change rooms, shower facilities, and mechanical ventilation system. Include in the plan, eating, drinking, smoking and restroom procedures, interface of trades, sequencing of heavy metal related work, collected wastewater and debris disposal plan, air sampling plan (OSHA-required), respirators, protective equipment, and a detailed description of the method of containment of the operation to ensure that heavy metal airborne concentrations are not exceeded outside of the control area. Contractor is to include air sampling, training and strategy, sampling methodology, frequency, duration of sampling, and qualifications of air monitoring personnel in the air sampling portion of the plan.

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8.0 DECONTAMINATION DELIVERABLES AND ACTIVITIES

8.1 Daily Log

Maintain within the Decontamination Unit a daily log documenting the dates and time of the following items, at a minimum:

- Any changes resulting in additional charges;
- Visitations, authorized and unauthorized;
- Personnel entering and leaving the work area;
- Special or unusual events, i.e. barrier breaching, equipment failures, accidents;
- Results of any OSHA-required air monitoring tests, including 8-hour and STEL personal exposure calculations, if any;
- Inspection of work area preparation prior to start of decontamination and daily thereafter;
- Installation or removal of any sheet plastic barriers;
- Removal of waste materials from work area, including manifest numbers (to be provided by GM O&C Representative), if any;
- Decontamination of equipment (list items);
- Contractor's final inspection;
- Daily total of waste materials generated with the signature of Contractor's Shift Supervisor; and
- Discussions with the GM O&C Representative and daily meeting notes.

Submit copies of this log on a daily basis to GM's O&C Representative and at final closeout of project.

8.2 Notifications

- 8.2.1 The GM Representative shall be notified 5 days prior to initiation of actual decontamination activities. GM Representative shall be notified upon Contractor completion of the dry decontamination of the concrete floors and the secondary containment systems. GM Representative notification will be required prior to initiating wet decontamination activities. GM Representative shall be notified 48 hours in advance of any intended Contractor disposal of rinse water. Disposal will be contingent upon analytical results and the GM Representative's approval. GM Representative shall be notified 3 working days in advance of any Contractor requested usual inspection.

8.3 Incident Reports

8.3.1 General

Except as otherwise indicated, submit incident reports directly to GM Representative immediately or as soon as possible following an occurrence requiring an incident report, with copy to others affected by the occurrence.

8.3.2 Reporting Unusual Events

When an event of unusual and significant nature occurs at the site, prepare and submit a special report listing chain of events, persons participating, response by Contractor's personnel, evaluation of results or effects, and similar pertinent information. When such events are known or predictable in advance, advise GM Representative at earliest possible date.

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8.4 Record Drawings

Maintain on the premises a set of drawings marked daily with the work completed to date and any deviations/additions/reductions shown in red. These record documents are to be available to GM O&C Representative during the execution of the work and are to be provided upon completion.

8.5 Contractor Documentation

Contractor shall maintain one complete copy of deliverables on-site during all operations and work. Contractor documentation maintained on-site will be modified and updated (by Contractor) during the project.

8.6 Decontamination of Structure and Equipment

The Contractor is responsible for furnishing all labor and materials necessary to provide all deliverables, permits, monitoring and decontamination of the structures and equipment.

The Contractor is to assume that all primary equipment will be removed (unless specifically noted), ancillary equipment including piping, pumps, vents, ducts, stacks, or exhaust if scheduled to remain will require decontamination as specified in the following sections. Information provided in this section and in the appendices are estimates and are provided for informational purposes. Contractor should field verify all areas, quantities, and equipment prior to submitting bid. Additionally, all floors, pits, and sumps, specified in the following sections will require decontamination, unless specifically noted.

The Contractor shall implement the environmental decontamination of the areas and items specified in this section, in Attachment C, on the attached figures, and identified during the prebid meeting. Section 8.6 generally describes areas and items that require environmental decontamination.

8.6.1 Asbestos and Asbestos Containing Material (ACM):

These units/items are described in a separate specification document entitled asbestos removal, disposal and encapsulation. Disposal costs for all asbestos containing materials (friable and non-friable) will be the responsibility of the Contractor.

8.6.2 Battery Charge Areas:

All battery charge areas shall be cleaned to a residual free condition. These areas include deposits or stains on the floors, associated sumps and trenches, and any other associated equipment. Stains should be cleaned by water blast and/or steam cleaning to remove residuals. Stained floors which do not indicate the presence of oils or lead contamination are acceptable. Any batteries remaining should be containerized, labeled, and properly recycled or disposed as a universal waste. Disposal costs for all batteries and off site rinse water processing will be the responsibility of the Contractor.

8.6.3 Biological Waste Areas

Biological wastes were not identified during the Facility Environmental Assessment. Any biological waste found by the Contractor is to be collected and containerized. If biological waste consists of pigeon droppings or like material, Contractor is to decontaminate to a residual free condition. Disposal costs for all biological waste will be the responsibility of the Contractor.

8.6.4 Chlorinated Fluorocarbons (CFC)

CFC containing equipment, as listed in the attached tables, which includes central air conditioners, window air conditioners, refrigerators, drinking fountains, vending machines, ice makers and chillers, shall have all CFCs removed as specified in Section 4.12. Disposal costs or credits for CFCs will be the responsibility of the Contractor.

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8.6.5 Elevator Pits

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All elevator pits must be decommissioned to a residual free condition. When excessive staining is present, water blast and/or steam cleaning to remove residuals will be required. Stained floors which do not indicate the presence of oils are acceptable. Waste water generated during the cleaning process will be sent off site for processing and is the responsibility of the Contractor. Disposal costs for industrial waste will be the responsibility of GM.

8.6.6 Emergency Lighting Batteries:

Emergency lighting batteries are to be removed as part of the decommissioning activities. All emergency lighting batteries shall be removed and containerized as universal waste for proper disposal or recycling. Costs associated with disposal or recycling for batteries will be the responsibility of the Contractor.

8.6.7 Fluid Fill Pipes:

Fluid Fill Pipes, and those associated with material handling conveyors, process tanks and process equipment shall be drained, purged and flushed to a residual free/vapor free condition. If piping must be cut prior to cleaning only hydraulic shears or cold-cutting methods may be used. Residual free piping may be recycled by the Contractor. Pipes with significant buildup of waste materials must be disposed by the Contractor. Disposal cost for industrial waste and drained process fluids will be the responsibility of GM. Disposal costs for construction debris and wastewater generated sent off site for processing is the responsibility of the Contractor.

8.6.8 Fluorescent Light Tubes:

Fluorescent light tubes as listed in the attached tables shall be removed from light fixtures. Fluorescent tubes shall be segregated by length and packaged in cardboard boxes for recycling or disposal by GM. The boxes must then be marked per the Universal Waste Rules (40 CFR Part 9). Fluorescent light tubes shall be packaged in cardboard boxes for recycling or disposal. Special care must be taken during light fixture removal and packaging to ensure that light bulbs/tubes remain intact. Costs associated with recycling or disposal of fluorescent tubes will be the responsibility of the Contractor. Ballast associated with fluorescent lighting will be recycled as a universal waste. Cost for recycling is the responsibility of the Contractor.

8.6.9 Galbestos Siding

Some galbestos siding contains detectable levels of PCBs. If these items are identified during the Facility Environmental Assessment or during the course of the decommissioning activities, the Contractor is to remove siding following 29 CFR 1926.1101 OSHA Asbestos Construction Standards and 40 CFR Part 61 (NESHAPs) requirements that include:

- Cut and/or remove fasteners from Galbestos siding;
- Remove Galbestos panels by hand and lower to ground elevation (Sheets are to remain intact no saw cutting is permitted);
- Wrap panels in plastic sheeting secured with tape; and
- Place in GM approved container for disposal by GM.

Cost for disposal for galbestos siding containing detectable levels of PCBs will be the responsibility of GM. All other galbestos disposal costs are the responsibility of the Contractor.

8.6.10 Material Handling Equipment

Material handling equipment requiring superficial cleaning is listed in the attached tables. Contractor is to clean material handling equipment to a residual free condition or, in the case of material handling equipment identified to be scraped, clean to a condition suitable for transport and recycling. Conveyors chains, rails, gear boxes, lubricators and drip pans with insignificant (less than 1/8 inch) accumulations of grease will not require additional cleaning. All items are to be drained of all liquids and cleaned free of all loose debris. Systems identified to be scraped must be cleaned to a condition suitable for transport and recycling. Cost for recycling oil removed from these systems will be the responsibility of the Contractor.

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8.6.11 Oil-Filled Machinery: **Arcadis**

Miscellaneous oil filled equipment as listed in the attached tables shall be drained and cleaned to a residual/vapor free condition or, in the case of items identified to be scraped, drained and cleaned to a condition suitable for transport and recycling. Oils will be recycled. Costs associated with recycling oil will be the responsibility of the Contractor.

8.6.12 Paint Spray Booths Areas

During the course of the decommissioning activities all piping, ducts, vents, stacks, exhausts, and floors in the paint spray booth areas shall be cleaned to a residual/vapor free condition. Access holes are allowed when required to facilitate cleaning. Access holes must be patched with a temporary patch. All access plates must be replaced. Piping larger than 4 inch to be water blasted. Cured paint may remain. Uncured paint shall be removed to less than 25% streaking per square inch. Scrap paint spray booths must be cleaned to a condition suitable for transport and recycling. Wastewater generated during the cleaning process will be sent off site for processing at the Contractor's expense.

8.6.13 Transformers and Capacitors (Oil Filled):

All oil filled transformers and capacitors must be drained prior to disposal or recycled by the Contractor at the Contractor's expense. Cost to process oils collected will be the responsibility of the Contractor.

8.6.14 PCB Items/Areas

The most common locations for PCB contamination are substation floors and wood block floors and underlining mastic. Materials generated from these items and other PCB items/areas identified during the Facility Environmental Assessment or the course of the decommissioning activities should be segregated and containerized. If a EPA Self-Implementation Plan has been prepared for the site, the Plan must be followed. If a Plan has not been prepared for the site cleanup/decontamination processes must follow approved EPA criteria as listed in 40 CFR 761. Specific cleaning methodologies are as follows:

- Concrete floor: scarify the concrete floors (2 passes), or double wash/rinse the floor. A volume of appropriate EPA approved performance-based organic decontamination fluid (PODF) solvent must be used to completely cover the contaminated surface. Precautions shall be taken to contain any runoff resulting from the cleaning process.
- Wood block floors and underlining mastic: remove wood block floors and underlining mastic in designated areas. The Contractor must avoid contaminating the newly exposed concrete surface during the removal of the wood block flooring with equipment or foot traffic that may have come into contact with wood block and underlining mastic being removed.
- Keep PCB-contaminated waste separate from waste not contaminated with PCBs. Disposal costs for PCB contaminated waste will be the responsibility of GM.
- Cleaned areas with concentrations of PCBs remaining <1.0 mg/Kg or <10 $\mu\text{g}/100\text{cm}^2$ shall be considered clean

8.6.15 PCB Light Ballasts

PCB light ballasts identified during the Facility Environmental Assessment and additional PCB light ballasts identified during the course of decommissioning activities shall be removed and containerized as specified in Section 4.8.6. Disposal costs for PCB ballast will be the responsibility of GM. Recycling costs for non-PCB ballast will be the responsibility of the Contractor.

8.6.16 PCB Transformers or Capacitors:

If PCB Transformers or capacitors are identified during the Facility Environmental Assessment or during the decommissioning activities, the Contractor shall employ decontamination procedures specified in Section 4.8.5. Cost for disposal of PCB transformers or capacitors will be the responsibility of GM.

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8.6.17 Pits, Sumps and Trenches: **Arcadis**

Pits, sumps, and trenches as identified in the Facility Environmental Assessment report include various machine pits, sumps, and trenches. They shall be cleaned to a residual/vapor free condition. OSHA and GM confined space entry procedures must be utilized if entering confined space. When excessive staining is present, water blast and/or steam cleaning to remove residuals will be required. Stained floors which do not indicate the presence of oils are acceptable. Industrial waste generated cleaning pits, sumps and trenches is the responsibility of GM. Waste water generated during the cleaning process will be sent off site for processing. Cost for off site processing is the responsibility of the Contractor.

8.6.18 Process Tanks Areas:

Process Tanks include former storage vessels, dip tanks, wash tanks, and booths. The locations of the former process tanks are described in the Facility Environmental Assessment report. All associated piping, ducts, vents, stacks, exhausts, floors, pits, and sumps shall be decontaminated to a residual/vapor free condition. Remove all free liquids, sludge, debris, scale and heels. Water blast and/or steam clean to remove any residual product. No flammable vapor as measured on LEL meter should be present. OSHA and EMD confined space entry procedures must be utilized to enter confined spaces. Residual free materials identified as scrap may be recycled by the Contractor. Pipes and other debris with significant buildup of waste materials must be disposed by the Contractor. Disposal cost for industrial waste will be the responsibility of GM. Construction debris is the responsibility of the Contractor. Waste water generated during the cleaning process will be sent off site for processing. Cost for off site processing is the responsibility of the Contractor.

8.6.19 Radioactive Materials:

Possible radioactive materials are addressed in section 8.6.28. All radioactive materials found during the Facility Environmental Assessment and any additional radioactive materials identified during the course of decommissioning activities should be removed and containerized in such a manner to satisfy federal and state regulations for proper disposal. Every effort should be made to return radioactive devices to the manufacturer to minimize costs. Cost for disposal of radioactive materials will be the responsibility of GM.

8.6.20 Roofs, Stacks and Ducts:

Roof areas, stacks and ducts associated with former process equipment, including, ovens, furnaces, paint booths, dip tanks, wash tanks, and dust collection systems shall be cleaned to a residual/vapor free condition or with GM approval may be removed. Stacks and ducts must be free of all liquids. Insignificant uncured paint (less than 1/8 inch and less than 25% streaking per square inch) accumulations will not require additional cleaning unless materials are hazardous. All scrap piping must be cut in lengths not exceeding 6-foot. Contractor must adhere to all GM safety requirements as well as federal requirements (29 CFR 1910.66 and 29 CFR 1926.500). Residual free materials may be recycled by the Contractor and must be cleaned to a condition suitable for transport and recycling. Other debris with significant buildup of waste materials must be disposed by the Contractor. Cost for disposal of industrial waste will be the responsibility of GM. Construction debris cost is the responsibility of the Contractor.

8.6.21 Sewers, Manholes and Catch Basins:

The industrial, storm and sanitary sewer systems shall be cleaned utilizing decontamination methods specified in Section 4.10. Sewer cleaning shall include the removal of grease, sand, silt, solids, rags, debris, etc. As each segment of sewer is cleaned it shall be isolated with dams or plugs to prevent materials from entering other sewer segments or off-site sewer systems. Debris removed from the sewers shall be containerized. Wastewater collected from the sewers shall be containerized and analyzed to determine if it meets Local POTW criteria. Confined space procedures shall be followed at all times. Contractor and the GM's Representative shall field verify all designated sewers are cleaned. Contractor is to provide an "as-built" or marked-up sewer drawing showing which sewers were cleaned and sewer diameter and footage, of all sewers cleaned. Disposal cost for industrial waste will be the responsibility of GM. Disposal cost for sanitary waste will be the responsibility of the Contractor.

8.6.22 Ceiling, Trusses, Beams and Walls:

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Contractor is to clean the ceiling trusses, beams, and walls to a residual free condition. Residual free materials may be recycled by the Contractor and must be cleaned to a condition suitable for transport and recycling.

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8.6.23 Wood Block Flooring:

All wood block flooring is to be removed and properly disposed. Wood block flooring identified during the Facility Environmental Assessment with identified levels of PCB is to be properly disposed. All cost associated with disposal of flooring with detectable levels of PCB will be the responsibility of the Contractor.

8.6.24 Miscellaneous Containers and Virgin Materials

Miscellaneous containers and virgin materials shall be collected, segregated and containerized for disposal or recycling. Associated disposal or recycling cost is the responsibility of GM.

8.6.25 Rodent Control Devices

Rodent control devices shall be collected and containerized for disposal. Cost for disposal is responsibility of the Contractor.

8.6.26 Compressed Air/Gas Cylinders

Compressed air/gas cylinders shall be collected for disposal/reuse. Cost for disposal or reuse is the responsibility of GM.

8.6.27 Railroad Sidings:

Railroad sidings identified during the Facility Environmental Assessment must be cleaned of all debris. Rails may be recycled by the Contractor. Rail cross bars and other construction debris shall be collected and properly disposed at the Contractor's expense.

8.6.28 Exit Signs and Smoke Detectors

Smoke detectors and exit signs must be determined to be free of radioactive materials prior to disposal. Any detectors exit signs found to contain radioactive materials should be returned to the manufacturer, if possible, or properly disposed. The plastic, glass, and metals of the exit signs and smoke detectors should be recycled with like materials. The battery should be recycled as a universal waste at the Contractor's expense. Disposal of radioactive items will be the responsibility of GM. Disposal cost for construction debris generated will be the responsibility of the Contractor.

8.6.29 ELPO Equipment/Systems:

Scrap as required to facilitate cleaning. Drain all free liquids to a non-dripping condition. ELPO material on equipment to remain must be removed to less than 5% streaking per square inch. ELPO equipment removed to be placed in owner provided containers and segregated by Micro and Macro encapsulation requirements. ELPO piping is to be cut in lengths not to exceed 6-foot. ELPO ovens must be cleaned to less than 5% streaking per square inch. Residual free materials may be recycled by the Contractor and must be cleaned to a condition suitable for transport and recycling. All waste disposal will be the cost of GM.

8.6.30 Air Supply Houses (ASH)

Remove and dispose all filters as Mixed Industrial Waste. Mixed Industrial Waste will be disposed at the owner's expense.

8.6.31 Ovens:

Remove any free liquids and debris. General housekeeping is usually sufficient for cleaning ovens prior to scrapping. Residual free materials may be recycled by the Contractor and must be cleaned to a condition suitable for transport and recycling.

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8.6.32 Bonderite Equipment/System:

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Drain all free liquids to a non-dripping condition. Remove and collect all filters and filter media for disposal at GM's expense. Residual free materials may be recycled by the Contractor and must be cleaned to a condition suitable for transport and recycling.

8.6.33 Robots:

Clean robots to be free of loose debris and dripping

8.6.34 Floors, Pads and Slabs:

General housekeeping (broom clean) is usually sufficient for floors, pads and slabs. When excessive staining is present, water blast and/or steam cleaning to remove residuals will be required. Stained floors which do not indicate the presence of oils are acceptable. Waste water generated during the cleaning process must be sent off site for processing and the cost will be the responsibility of the Contractor.

8.6.35 HID Lighting:

High intensity discharge lamps as listed in the attached tables shall be removed from light fixtures and packaged in cardboard boxes for recycling. The boxes must then be marked per the Universal Waste Rules (40 CFR Part 9). Special care must be taken during light fixture removal and packaging to ensure bulbs remain intact. Ballast associated with fluorescent lighting will be recycled as a universal waste. Cost for recycling of HID lamps and ballast will be the responsibility of the Contractor.

8.6.36 Filters:

All filters are to be cleaned free of debris or liquids. Filter media must be properly disposed as an industrial waste. Disposal costs for all filters will be the responsibility of GM.

8.6.37 Aboveground Storage Tanks (ASTs):

All ASTs will be cleaned to a residual free condition. Residual free materials scheduled for removal may be recycled by the Contractor and must be cleaned to a condition suitable for transport and recycling. Waste water generated during the cleaning process will be sent off site for processing. Cost for off site processing is the responsibility of the Contractor.

8.6.38 Underground Storage Tanks (USTs):

All USTs will be cleaned to a residual free condition. Residual free materials scheduled for removal may be recycled by the Contractor and must be cleaned to a condition suitable for transport and recycling. Waste water generated during the cleaning process will be sent off site for processing. Cost for off site processing is the responsibility of the Contractor.

8.6.39 Other Universal Waste (CRT's, Batteries, Mercury devices, etc.):

All Universal Waste is to be properly removed and recycled by the contractor. All costs associated with recycling Universal Waste is the responsibility of the Contractor.

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9.0 POST CONTAMINATION DELIVERABLES AND ACTIVITIES

9.1 Close-out Deliverables

At a minimum, the following Close-out Deliverables will be provided upon substantial completion and prior to final completion.

- Summary of work, progress, and detailed account of any unusual events or accidents.
- Copies of daily site and work area logs indicating personnel on-site and in containment areas, visitations, waste materials removed from site, and inspections and testing.
- Submit copies of all laboratory test results as required by the Contract Documents and as requested by GM O&C Representative.
- Submit project status reports for bi-weekly construction meetings and to support each invoice. Such reports shall include an updated schedule of Work, identification of any problem areas requiring GM's attention, and requests for modification to any project plan.
- Submit a Contractor's Certification that all Work has been performed in accordance with the Contract Documents and all project plans.

This section specifies administrative and procedural requirements for project closeout, including but not limited to:

- Inspection procedures.
- Final decontamination.
- Close-out Deliverables

9.2 Inspection Procedure

9.2.1 Visual Inspection

Before requesting inspection for certification of substantial completion, complete the final decontamination requirements (list exceptions in the request).

Accompanied by the GM Representative, perform a complete Visual Inspection of the entire Work Area including: All surfaces, ceiling, walls, floor, decontamination unit, all plastic sheeting, seals over ventilation openings, doorways, windows, and other openings; look for debris from any sources, residue on surfaces, or other matter. If any debris, residue, or other matter is found, repeat final decontamination and continue decontamination procedure from that point. When the area is visually clean, and no debris, residue, or other material is found, submit written documentation to the GM O&C Representative that the decontamination work is complete. Visual inspection is not complete until confirmed by the GM O&C Representative.

The Contractor shall provide sufficient lighting during the visual inspections.

9.2.2 Re-inspection Procedure

GM and the GM Representative will re-inspect the Work upon receipt of notice that the Work, including inspection list items from earlier inspections, has been completed, except items whose completion has been delayed because of circumstances acceptable to GM. GM may require additional sampling and chemical analysis as part of this re-inspection procedure

9.3 Final Acceptance

Before requesting final inspection for Certification of Final Acceptance, complete and submit the Close-out Deliverables (list exceptions in the request).

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9.4 Record Document Deliverables

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Maintain one complete copy of the Project File, including addenda, and one copy of other written construction documents such as Change Orders and modifications issued in printed form during construction. Mark these documents to show substantial variations in actual work performed in comparison with the text of the Specifications and modifications ("redlines").

9.5 Removal of Protection

The Contractor shall remove temporary protection and facilities installed for protection of the work during construction.

9.6 Compliance

The Contractor shall comply with regulations of authorities having jurisdiction and safety standards for decontamination and housekeeping. No debris or excess materials shall be buried on GM property. No discharge of materials shall occur into drainage systems. All waste materials shall be removed from the site and disposed of in a lawful manner.

9.7 Sewer Plans

Contractor shall mark up one set of Sewer Location Plans, as provided by GM, showing any corrections to the sewer system location, size, pipe material, or pipe length. The marked up set of Sewer Location Plans shall become record documents, shall be maintained by the GM O&C Representative and made available for review during bi-weekly progress meetings, and shall be delivered to GM upon completion of the work.

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