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Revitalizing Auto Communities
Environmental Response Trust

Facility Environmental Assessment

Shreveport Assembly and Stamping Plant
7600 General Motors Boulevard
Shreveport, Louisiana

September 2012

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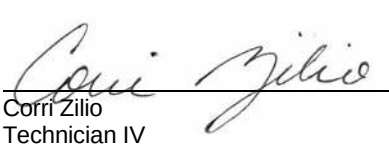

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Facility Environmental Assessment

Shreveport Assembly and Stamping Plant
7600 General Motors Boulevard
Shreveport, Louisiana

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Shreveport Assembly and Stamping Plant
7600 General Motors Boulevard
Shreveport, Louisiana

Executive Summary

ARCADIS was retained by Revitalizing Auto Communities Environmental Response Trust (RACER) to perform a Facility Environmental Assessment (FEA) at the Shreveport Assembly and Metal Stamping Plant located in Shreveport, Louisiana (Site). The Site was constructed between 1978 and 1981, includes approximately 530 acres of land and a total floor area over 3.3 million square feet.

The FEA consists of a Site inspection, interviews with plant personnel, a review of Site-related files and preparation of a Sampling and Analysis Plan (SAP). The FEA identifies decontamination requirements for equipment and structures to be decommissioned or removed from the Site. The objectives of the FEA include:

- identifying areas of potential environmental concern for future facility re-use, decommissioning, decontamination, and/or demolition;
- identifying potentially regulated constituents in building materials that may require management in accordance with environmental regulations; and
- identifying major building features for consideration during future decommissioning, decontamination, and/or demolition.

To conduct the FEA, ARCADIS conducted interviews with Shreveport Assembly and Stamping Plant personnel, reviewed documents, and conducted a Site inspection. ARCADIS identified items to be sampled for laboratory analysis based on their potential for environmental concern, material content, or potential to contain hazardous substances. The SAP outlines requirements for the collection of representative building material samples and laboratory analysis of samples to assess potential environmental concerns identified by specifying building material samples for collection and laboratory analysis that will aid in identification of decommissioning requirements and characterization of building materials, and wastes in conjunction with the FEA inspection.

The SAP includes a description of samples to be collected, sample locations and laboratory analysis to be performed, including wipe, residue/solid, liquid, oil/grease, paint chip, and concrete samples,. The SAP does not include sample collection and analysis for identification of asbestos-containing materials or sampling and laboratory analysis of wastes currently characterized and profiled as part of production

operations. The SAP was not implemented at the time of the FEA and therefore a discussion of sampling results is not included in this report.

This FEA Report describes observations made during the FEA inspection, and makes recommendations for management of environmental areas of interest at the time of facility decommissioning. Inventories of Areas of Interest related to the facility structure and equipment are presented in Tables 1 and 2, respectively. A Site Location Map is shown on Figure 1, and a Site Plan is included as Figure 2. Appendices include supporting documentation provided by General Motors LLC,

ARCADIS recommends the areas of environmental interest be addressed during facility decommissioning. Universal wastes include lamps (i.e., fluorescent, high-intensity discharge, sodium vapor, mercury vapor, and incandescent lamps), batteries, and devices containing elemental mercury (including thermostats, switches, and thermometers). Asbestos-containing materials are also reportedly present on Site. Floors, pits, sumps, ducts, trusses, and trenches should be decontaminated. Proper management of lead-based paint and asbestos, in accordance with applicable federal, state, and local regulations, is required in any area where paint and suspect asbestos may be present. Additional asbestos inspection and sampling will be needed in any areas of the facility not previously inspected for asbestos prior to facility renovation or demolition. Items classified as universal wastes when removed require handling and disposal or recycling in accordance with regulations for universal wastes. If equipment and piping is to be decommissioned for disposal, transfer, sale, transport, donation, or scrap, it will be necessary to evaluate it for the presence of regulated materials (i.e., hydraulic fluid, filters, lamps, cathode ray tubes, paint-related waste, solvent, electronics, CFCs, etc.), and any regulated materials present will need to be managed appropriately prior to and during transport depending of the final disposition of the equipment. Inaccessible or active items not inspected or sampled during the FEA may require further evaluation upon cessation of operations. It is recommended that natural gas pipeline and compressed air lines be sampled for the potential presence of PCBs if the pipelines are decommissioned.

Acronyms, Abbreviations, and Units of Measurement

AST	Aboveground storage tank
CFC	Chlorofluorocarbon
ELPO	Electrocoat paint operation
FEA	Facility Environmental Assessment
FOIA	Freedom of Information Act
GM	General Motors LLC
MLC	Motors Liquidation Company
PCB	Polychlorinated biphenyl
POTW	Publicly Owned Treatment Works
LDEQ	Louisiana Department of Environmental Quality
RACER	Revitalizing Auto Communities Environmental Response Trust
RCRA	Resource Conservation and Recovery Act
SAP	Sampling and Analysis Plan
USEPA	United States Environmental Protection Agency
UST	Underground storage tank
WWTP	Wastewater treatment plant

1. Introduction

ARCADIS was retained by Revitalizing Auto Communities Environmental Response Trust (RACER) to perform a Facility Environmental Assessment (FEA) at the Shreveport Assembly and Metal Stamping Plant located in Shreveport, Louisiana (Site). The FEA consists of a Site inspection, interviews with plant personnel, a review of Site-related files and preparation of a Sampling and Analysis Plan (SAP). The FEA identifies decontamination requirements for equipment and structures to be decommissioned or removed from the Site.

1.1 Purpose and Scope

The objectives of this FEA included the following:

- Identify areas of potential environmental concern for future facility re-use, decommissioning, decontamination, and/or demolition.

- Identify potentially regulated constituents in building materials that may require management in accordance with applicable regulations during future facility re-use, decommissioning, decontamination, and/or demolition.

- Identify major building features for consideration during anticipated decommissioning, decontamination, and/or demolition.

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

This FEA Report is organized into the following five sections:

- Section 1 presents general information relating to the Site, and the purpose and scope of the FEA.

- Section 2 presents the scope of the work performed to conduct the FEA, summarizes the interviews conducted during the FEA, and describes the Site records reviewed.

- Sections 3 and 4 present the Areas of Interest for the structure and facility equipment, respectively, that were identified during the Site inspection.

- Section 5 discusses the status of production equipment.

1.2 Site Description

The Shreveport Assembly Plant is located at 7600 General Motors Boulevard in Shreveport, Caddo Parish, Louisiana. A Site location map is included as **Figure 1**. The Plant was constructed between 1978 and 1981 and includes approximately 530 acres of land, 1.8 million square feet of assembly area, and total floor area of over 3.3 million square feet. The main building contains approximately 18 miles of conveyor line for assembly. In 2002, the property was expanded to the east to include a new Stamping Plant and General Assembly Body Shop. This addition included approximately 65 acres of land and 1.5 million square feet of building area to the facility.

On July 10, 2009, GMC was renamed Motors Liquidation Company (MLC). On the same day some of the operating assets of GMC were sold to a newly formed company, “General Motors Company”. General Motors Company changed its name to General Motors LLC (GM) on October 16, 2009. Assets not sold to GM LLC remained the property of the MLC, in its capacity as a debtor-in-possession in the bankruptcy case. On March 31, 2011 ownership of the Site was transferred from MLC to RACER Properties LLC and responsibility for the environmental remediation of the Site was transferred to RACER.

GM leased the property from RACER for the production of mid-size pickup trucks. At the time of the FEA inspection, production operations were running one shift per day, 4 days per week. GM discontinued Plant operations in August 2012.

The Site consists of an assembly building, stamping building, paint building, and associated out-buildings including a Powerhouse, wastewater treatment plant, and bulk storage areas. The facility structures contain over 3.1 million square feet of air conditioned area. Air conditioning as well as wastewater treatment, heating, steam generation, deionized water, and bulk fluid transfer is supplied by the plant’s Powerhouse. The current wastewater treatment system was upgraded in 2001. A paved area is utilized for parking, material handling, and materials storage.

GM manufactured Chevrolet and GMC brand light-duty pick-up trucks at the Site. Automotive parts representing the chassis, motor, transmission-drive train, trim

accessories and all other components were manufactured at other facilities and shipped to the Site via railroad, highway or air for final assemblage. The main processes that occurred at the plant included welding of steel subassemblies and parts into trucks and sheet-metal assemblies; washing and painting; inside and outside hardware assembly; chassis assembly including installation of the engine, axle, transmission, and associated parte to the chassis frame; and final assembly operations for a finished truck. Other operations included final truck repairs, maintenance, and administrative offices.

2. FEA Scope of Work

To conduct the FEA, ARCADIS interviewed Shreveport Assembly and Stamping Plant personnel, reviewed select environmental documents available at the Site, and conducted a Site inspection. ARCADIS developed a SAP for sample collection and laboratory analysis to support the FEA. The SAP is based on information obtained during FEA activities. The SAP was not implemented at the time of the FEA and therefore a discussion of sampling results is not included in this report. The SAP is included as **Appendix A**.

2.1 Interviews

ARCADIS interviewed Shreveport Assembly and Stamping Plant personnel familiar with Site operations and environmental practices. Interview records are included as **Appendix B**. The purpose of the interviews was to identify items requiring environmental deactivation and to locate relevant information related to environmental conditions at the Site. The following personnel were interviewed by ARCADIS:

- Mr. Dallas Geisler, CHMM, Sr. Environmental Engineer,
- Mr. Nick Tenerelli, Powerhouse Operator, and
- Mr. Butch Godwin, Utilities Manager.

2.2 Document Review

A review of environmental documents was performed to obtain information regarding:

- environmental conditions
- regulated materials
- chemicals and wastes
- areas potentially requiring environmental decommissioning

With the assistance of Shreveport Assembly and Metal Stamping Plant personnel, ARCADIS located and reviewed the following documents. A summary of documents reviewed is included in **Appendix C**. The Scope of Work did not include Freedom of

Information Act (FOIA) requests to the Louisiana Department of Environmental Quality (LDEQ) or the United States Environmental Protection Agency (USEPA).

- 2012 Waste Analysis Plan Waste Minimization Plan, General Motors LLC, Shreveport Operations, Review Date: 12/16/2011,
- Inventory of refrigerant units over 50 pounds,
- Aboveground storage tank inventory,
- Secondary Containment Locations, Satellite Accumulation Areas, and 90-Day Storage Areas,
- Stack location figure,
- Spill Prevention, Control and Countermeasure Plan,
- Powerhouse drawing with containment sizes,
- Waste Water Treatment Plant figure with containment sizes,
- Waste profiles, and
- RACER Marketing Brochure – RACER Property for Sale in Shreveport, Louisiana, January 2012.

2.3 Site Inspection

ARCADIS performed a Site inspection April 30 through May 4, 2012. Inspectors were escorted through the Site buildings, visually inspecting the structure and appurtenances present, and documenting items of interest. Items of potential environmental interest were inventoried.

Tables 1 and **2** present the inventory. **Table 1** presents an inventory of Areas of Interest related to the structure (e.g., pits, trenches, sumps, and stacks, storage areas, flooring, lift stations). **Table 2** presents Areas of Interest related to facility equipment containing regulated materials (e.g., fire extinguishers, exit signs/emergency lights, general lighting fixtures [e.g., sodium, metal halide, mercury vapor, and/or fluorescent lighting]), and refrigerated equipment (e.g., drinking fountains). Table 3 lists items

recommended for further evaluation due to restricted access for inspection or limited availability of information during the FEA.

2.4 Sampling and Analysis Plan (SAP)

During the Site inspection, document review and interviews, ARCADIS identified items of potential environmental interest to be sampled for laboratory analysis. The items were identified based on their potential for environmental concern, material content, or potential to contain hazardous or regulated substance(s). ARCADIS developed a SAP that outlines requirements for the collection of representative building material samples and laboratory analysis of samples to assess potential environmental concerns identified during the Site inspection and records review. The objective of the SAP is to specify building material samples for collection and laboratory analysis that will aid in identification of decommissioning requirements and characterization of building materials and wastes.

The SAP includes a description of samples to be collected, sample locations and laboratory analysis to be performed. Samples to be collected include the following:

- Wipe samples;
- Residue/solids in subsurface structures and trenches;
- Residual liquids in subsurface structures;
- Oil/grease samples,
- Paint chip samples; and
- Concrete core and surface samples.

The SAP does not include sample collection and analysis for identification of asbestos-containing materials. The SAP does not include sampling and laboratory analysis of wastes currently characterized and profiled as part of production operations. The SAP is included in **Appendix A**.

3. Areas of Interest – Structure

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

3.1 Sumps and Trenches

Sumps and trenches associated with facility operations are located throughout the Site. Types of sumps and trenches included are conveyor trenches, process waste sumps, chemical fill station trenches, electrocoat paint operation (ELPO) trenches and sumps, secondary containment area sumps, and general house cleaning trenches. Trenching and associated pits and sumps throughout the facility either drain or are pumped to the on-site waste water treatment plant (WWTP). Some piping is also routed through trenches (i.e., WWTP process piping).

The proposed SAP includes determining if residue and/or liquid are present in the coal pile sump house. If present, the collection of residue/liquid samples for the analysis of polychlorinated biphenyls (PCBs) and total Resource Conservation and Recovery Act (RCRA) toxicity characteristic constituents is recommended. Refer to the SAP located in **Appendix A** for details regarding sample collection and location.

It is recommended that the standing liquids and sediments be removed from the sumps and trenches, and that the trenches and sump surfaces are decontaminated during deactivation/decommissioning activities.

3.2 Pits

Pits were identified during the Site inspection and are associated with numerous on-site buildings including three hydraulic elevator pits are located in the Powerhouse, Paint Shop and ELPO. Conveyor drive pits and associated sumps and trenching are located throughout the manufacturing areas. Minimal surface staining and debris were observed in the conveyor drive pits. A sub-grade pit is associated with the abandoned coal off-loading structure outside of the Powerhouse formerly utilized to unload coal from rail cars. The sludge building houses an ELPO pit, and two sludge settling basins

are located in the Solids Separator Building to solidify non-hazardous sludge for off-site disposal. Pits are located in vehicle test areas, and a pit with a sump is located beneath the RO pumps in the Powerhouse that pump to WWTP. A pit is also associated with the cooling tower.

The SAP includes determining if oil or other fluids have soaked into concrete in pits. The collection of a residue sample or concrete core, wipe or bulk sample for the analysis of PCBs and total RCRA toxicity characteristic constituents is recommended. Refer to the SAP located in **Appendix A** for details regarding sample collection and location.

It is recommended that the pits and associated trenches be decontaminated during deactivation/decommissioning activities. Following decontamination, the integrity of the pit floors should be evaluated to determine the potential for oil or other fluid release to the subsurface from the pit floors. If pits are to remain intact for future use, decontamination may be sufficient to address the surficial oil. Additional measures (i.e., scarification) may be necessary in locations where oil has penetrated the concrete. If pits are to be permanently closed by backfilling to grade, any concrete exhibiting evidence of oil saturation after decontamination should be demolished, characterized and removed for off-Site disposal prior to backfilling.

3.3 Floors

The majority of the facility flooring consists of concrete, including the Stamping basement floor. The floors appear to generally be in good condition, though oils, residue and staining are present in some locations. Minimal staining is present on the first floor of each building and on the majority of the concrete floor in the Stamping basement. Administration Building floors are concrete slab covered with carpet or tile. Wood floor block floor covering was not observed at the Site, and was reportedly never installed at the Site.

The SAP includes determining if concrete is impacted with metals and PCBs. The collection of concrete core samples from the slabs for the analysis of total RCRA metals and PCBs is recommended. Refer to the SAP located in **Appendix A** for details regarding sample collection and location.

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

deactivation/decommissioning activities. Decontamination is generally recommended for oily and stained surfaces.

3.4 Stacks

Several stacks on the roof of the facility serve as exhaust stacks to vent the work areas and rest rooms, and process vents for paint processes and ovens.

It is recommended that stacks removed as part of facility decommissioning, be decontaminated prior to removal, and also that any stacks associated with process equipment that remain at the facility be decontaminated. It is recommended surfaces be managed as necessary to mitigate worker exposure as the stacks are prepared for transportation or scrap during decommissioning.

3.5 Pads

Numerous concrete pads are present beneath facility aboveground storage tanks (ASTs, see Appendix E). Raised concrete pads are located in rooftop substations and air supply houses. Transformers located on the rooftop are dry-type. ARCADIS inspected two substations that are representative of the two types of substations and air houses located on the roofs of the facility. Pads in these two substations were in good condition with minimal staining at the time of the Site inspection,

General light cleaning is recommended for pads with the exception of those areas where oil or oily residue is present. Decontamination is generally recommended for oily surfaces.

3.6 Roofs

The roof consists of tar and gravel. Substations and mechanical air supply houses are located on building roofs. Several portions of the roof have been removed and replaced over the years of operation. Asbestos-containing materials are reportedly contained in some roofing material components based on past asbestos surveys at the Site.

No historical lead solder operations were reportedly conducted at the facility, and no storm water discharge compliance issues are reported; and therefore no roof samples are specified in the SAP.

3.7 Ducts

Ductwork is located throughout the facility as part of ventilation for manufacturing operations. A separate ductwork system exists for the Paint Shop processes. Dust and oil-stained areas were observed on the ductwork at the time of the inspection.

The SAP includes determining if dust or oil staining accumulated on ducts is impacted with regulated constituents or may present a worker exposure hazard. The collection of wipe and/or residue samples from areas of accumulation or staining for the analysis of total RCRA metals and PCBs is recommended. Refer to the SAP located in **Appendix A** for details regarding sample collection and locations.

It is recommended that any ducts removed or renovated as part of facility decommissioning be decontaminated prior to removal, and also that any ducts associated with process equipment that remain at the facility be decontaminated. It is recommended that these surfaces be managed to the extent necessary to mitigate worker exposure as the ductwork is prepared for transportation and disposal or scrap during decommissioning.

3.8 Painted Surfaces

According to Site personnel, lead-based paint is present on surfaces throughout the older buildings at the facility. The Brownfield structural steel is coated with lead-based paint. The Greenfield Building was reportedly coated with unleaded paint. ARCADIS observed evidence of minimal flaking and peeling of paint during the FEA inspection.

The SAP includes confirming the presence/absence of lead and PCBs in paint. The collection of paint chip samples for the analysis of lead and PCBs is recommended to confirm requirements for management of painted surfaces during decommissioning or demolition/renovation. Refer to the SAP located in **Appendix A** for details regarding sample collection and locations.

It is recommended that painted surfaces be managed to the extent necessary to mitigate worker exposure to prepare the facility for future occupancy, renovation, or demolition. Trigger operations, such as grinding and torch cutting of surfaces coated in lead-based paint, are subject to Occupational Safety and Health Agency requirements regarding lead exposure. Solid residue or rinsate generated during the demolition of painted building materials should be collected for waste characterization and disposal.

3.9 Truss/Overhead Horizontal and Vertical Surfaces

Trusses and overhead horizontal and vertical surfaces at the facility are coated in some locations with dust and minimal oil-stained areas.

The SAP includes determining if dust or oil staining on trusses/overhead surfaces may require decontamination or may pose a worker safety hazard. The collection of dust samples and/or wipe samples from locations with staining or accumulation for the analysis of total RCRA metals and PCBs is recommended. Refer to the SAP located in **Appendix A** for details regarding sample collection and location.

It is recommended that these surfaces be decontaminated or otherwise managed to the extent necessary to mitigate worker exposure and to prepare the material for transportation to disposal or scrap facilities during facility decommissioning. Solid residue or rinsate generated during the removal of building materials coated in oil should be collected for waste characterization and disposal.

3.10 Tunnel

A tunnel is associated with the Paint Shop operations and is located beneath the Fan Farm. A tunnel carries sludge and water from the Paint Modules, and a tunnel carries flood sheet water flows for the Paint Modules (north to south). The tunnels are part of the original Paint Shop. The tunnel could not be inspected because it was operational at the time of the FEA inspection. No underground steam tunnels are reportedly present on Site; steam lines run overhead from the Powerhouse.

If residual material remains in the tunnel upon cessation of operations, the residue should be sampled to characterize for proper management and disposal. It is recommended that the tunnel be decontaminated to remove accumulated residue and managed in accordance with plans for future Site disposition.

3.11 Basements

Basements are located in the Stamping Plant located between Column Lines S58 and W58 and beneath the Paint Shop. Access to the Paint Shop basement is located at Column H28. The basements are concrete slab. No other former basements are reportedly present at the facility.

It is recommended that the basement floors be decontaminated. Following decontamination, the integrity of the basement floors should be evaluated to determine the potential for oil release from the basement floor. The initial assessment of the basement floors indicates that residue is present and will require cleaning. If the basements are to remain intact for future use, decontamination may be sufficient to address the surficial oil/residue. Additional measures (i.e., scarification) may be necessary in locations where cleaning is insufficient. If the basements are to be permanently closed by backfilling to grade, any concrete exhibiting evidence of staining/residue/oil saturation after decontamination should be demolished, characterized and removed for off-Site disposal prior to backfilling.

3.12 Storm Sewer

The storm sewer system at the Site is comprised of gravity storm drains at various locations within the 520-acre Site. Roof conductors convey storm water from rooftops directly to the ground. Storm water runoff from the southern portion of the Site enters drains and flows through a piping network located adjacent to the General Motors Boulevard. Storm-water runoff from the northern portion of the Site enters drains and flows through a piping network that traverses the central part of the Site and flows easterly to the storm-water retention pond. Controlled storm gates collect any discharge leaving the south side of the facility, and allow the effluent to flow into the industrial lateral earthen drainage ditch and into Gilmer Bayou. The discharge is authorized by LDEQ Multi-sector General Permit Number LAR05P163. The discharge is monitored monthly.

The proposed SAP includes determining if sediment is present in the sewers and will require cleaning as well as determining if regulated constituents are present in the sediment. If present, the collection of sediment/debris samples in two representative manholes, downstream of the plant discharge and upstream of the storm water retention basin for the analysis of PCBs and total RCRA toxicity characteristic constituents is recommended. Refer to the SAP located in **Appendix A** for details regarding sample collection and location.

3.13 Sanitary Sewer

Facility rest rooms and drinking water supply drains discharge via gravity flow to the City of Shreveport's sanitary sewer. The Site operates under industrial user permit number CIU-002 which authorizes the discharge of wastewaters from the facility into the City of Shreveport's Publicly Owned Treatment Works (POTW). The wastewater is

comprised of effluent from the production system, treated on-site wastewater treatment plant, as well as non-regulated process waste, and sanitary waste. An inspection of the sanitary sewer was not performed as part of the FEA.

3.14 Process Sewer

Process wastewater drains by gravity flow (with lift stations) through process sewer to the Site wastewater treatment facility. Lift stations are located in the basement of the Paint Shop, Sludge Building, and ELPO Building that convey process water via overhead piping. No underground process sewer lines are located in the Body, General Assembly, or Paint Buildings. The wastewater enters two solid separator units where large solids and oils are removed through an automatic oil skimmer. The wastewater flows over a weir and enters a wet well where the water is pumped into one of three 500,000-gallon capacity general waste tanks for batch treatment. ELPO wastewater, which contains primer paint, is pumped independently to the treatment facility and emptied into one of two 100,000 gallon capacity ELPO wastewater holding tanks. ELPO wastewaters are pumped into the general waste tanks and mixed with other process wastewaters. The wastewater is pumped from the general waste tank to the flash mix tank, then to a blend tank and finally to one of two 500,000-gallon clarifiers. Solids are settled through clarification by pumping to a 45,000-gallon capacity tank for sludge thickening. The treated wastewaters flow through a Parshall flume and are mixed with the sanitary sewer effluent. The sanitary sewer/treated process wastewater discharges to the City of Shreveport sewer system for further treatment at the Shreveport POTW.

The SAP includes inspection to determine if sediment is present in the sewers and will require cleaning, and a determination if regulated constituents are present in the sediment. If present, the collection of sediment/debris samples in two representative manholes downstream of the Process Waste sumps and upstream of the WWTP for the analysis of PCBs and total RCRA toxicity characteristic constituents is recommended. Refer to the SAP located in **Appendix A** for details regarding sample collection and location.

3.15 Laboratories

Three laboratories are located at the Site. One laboratory is located on the second floor of the mezzanine area in the WWTP building. A laboratory is located on the mezzanine of the ELPO/Phosphate building, and a small laboratory is also located in the Powerhouse. Containerized chemicals, small compressed gas cylinders, and any

mercury-containing equipment from the laboratories should be segregated and characterized for proper transfer to another facility or off-site disposal upon cessation of operations.

3.16 Cafeteria

Cafeterias are located in the General Assembly Building at Column U5-39 and in the Administration Building. The General Assembly cafeteria contains grease piping that is connected to a centrally located grease trap outside the footprint of the building. The cafeteria in the Administration Building contains a grease trap that is located within the footprint of the cafeteria. Additionally, the cafeterias contain several ice machines and coolers containing chlorofluorocarbons (CFCs).

Upon decommissioning, the grease will require removal from the cafeterias and disposal. Any CFC-containing equipment left behind for scrap will require decommissioning to evacuate and recycle the CFCs.

3.17 Factory Medical Facility

The Site operates two factory medical facilities. The factory medical facilities are located in the General Assembly Building at Column U15 and in the Old Body Shop 345/745 at Column Q2.

Typical environmental concerns identified with factory medical facilities are universal wastes including fluorescent lights and ballasts, fire extinguishers, emergency lighting, thermostats, and small refrigerators and/or ice makers (CFCs). In addition, small oxygen cylinders may be present. Removal and recycling or disposal of these items is recommended.

3.18 Asbestos-Containing Materials

An asbestos survey has reportedly been previously conducted at the facility. Asbestos-containing materials are reportedly present in fire doors, arc chutes associated with electrical equipment, in roofing materials in the Brownfield Building, and gaskets located in the Powerhouse equipment. No asbestos inspection, sampling or laboratory analysis was performed as part of the FEA.

4. Areas of Interest – Facility Equipment

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

4.1 Lights

During the Site inspection, fluorescent lighting fixtures and high-intensity discharge lighting fixtures were identified throughout the facility. Light ballasts were reportedly removed from the Old Body Shop, and none were reportedly PCB-containing. Lighting in the Brownfield includes high pressure sodium and fluorescent lamps. Greenfield buildings include metal halide and fluorescent fixtures.

It is recommended that, in the event the facility is decommissioned or demolished, the lamps be removed intact and recycled in accordance with state and federal regulations applicable to universal wastes. The ballasts and/or capacitors that are associated with the light fixtures should be inspected for leakage, determine if PCBs are present, removed, and recycled or disposed at an approved disposal facility. Care should be taken to avoid lamp breakage and the release of mercury and other hazardous substances.

4.2 Chlorofluorocarbons (CFCs)

Equipment containing CFCs was identified throughout the Site. This equipment includes air conditioning condenser units, refrigerators (cafeteria), drinking fountains, and control panel piggy-back units throughout the facility. An inventory of units containing over 50-pounds of CFCs is included in **Appendix D**.

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

4.3 Underground Storage Tanks

No underground storage tanks (USTs) are reportedly currently located at the Site. GM previously removed the one former UST and associated underground service lines (a 5,000-gallon steel tank).

4.4 Aboveground Storage Tanks

ASTs are located throughout the Site. Inventory and sizes of ASTs are included in **Appendix E**.

The Powerhouse Bulk Storage Area, located directly behind the Powerhouse, contains ten 20,000-gallon capacity elevated ASTs mounted on saddles for the storage and distribution of bulk fluids used in production. The entire area is enclosed with 8-foot chain-link fencing. The tanks are located in a concrete containment basin with a Marseal 7000 liner. Products stored at the Powerhouse Bulk Storage Area include gasoline, diesel fuel, motor oil, antifreeze, automatic transmission fluid, manual transmission fluid, power steering fluid, and rear axle lube. Overhead piping conveys fluids to the Powerhouse.

The General Assembly Tank Farm, located south of the main Body Shop, contains two ASTs, one 8,000-gallon methanol tank and one 10,000-gallon brake fluid tank. The tanks are housed in a concrete containment basin with a Marseal 7000 liner.

The purge thinner tank farm, located on the west perimeter of the facility, consists of two elevated 10,000-gallon capacity storage tanks. One tank stores virgin or reconstituted purge thinner and the other stores used purge thinner. The tanks are located on concrete containment pads with a Marseal 7000 liner. They are surrounded by chain link fence.

The WWTP utilizes three 500,000-gallon tanks for batch wastewater treatment, two 100,000-gallon ELPO holding tanks, two 500,000-gallon clarifier tanks, and one 45,000-gallon capacity tank for sludge thickening. There is also one 500-gallon oil transfer carbon steel tank.

Numerous process ASTs are also located through the Paint Shop, Paint Mix room, and ELPO/Phosphate production areas, and ASTs are associated with emergency generators located across the facility.

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

4.5 Hydraulic Units

Hydraulic units associated with production equipment were observed during the FEA Site inspection throughout the facility. These units are either stand-alone units that are connected to the equipment via piping or are reservoirs/units that are mounted directly on the process equipment. The Spill Prevention Control and Countermeasure (SPCC) Plan lists hydraulic units containing greater than 55 gallons of oil. Units containing less than 50 gallons each include conveyor gear oil boxes.

Three hydraulic elevators are present at the Site. The elevators are located in the Powerhouse, Paint Shop and ELPO near Columns A3, H28 and L42, respectively.

Dock levelers at the Site are reportedly spring-loaded, not hydraulic. Lifts at the Site are reportedly cable lifts, not hydraulic.

The proposed SAP includes determining if the conveyor gear drive and elevator oils contain PCBs. The collection of one hydraulic oil sample per elevator for the analysis of PCBs is recommended. Refer to the SAP located in **Appendix A** for details regarding sample collection and location.

It is recommended that hydraulic units be drained and sealed or decontaminated, as required, for final disposition (i.e., reuse or scrap).

4.6 Transformers

The transformers located at the facility are dry-type transformers. Freon-gas cooled transformers are located in the electrical substations. No PCB-containing transformers were reportedly ever installed or operated at the facility. A substation located on Site is owned and operated by SWEPCO. ARCADIS did not enter or inspect the SWEPCO substation. SWEPCO reportedly owns the building and equipment in the substation.

It is recommended that verification of the absence of PCBs be confirmed during deactivation of any oil-filled transformers and other oil-containing electrical equipment. Any oil-containing electrical equipment should be drained of oil for proper recycle or disposal, or properly rigged and transported to another facility for continued use.

4.7 Radioactive Devices

Radioactive devices were not observed during the FEA. It is possible that some exit signs or smoke detectors that contain radioactive sources may be located at the facility. Upon decommissioning, a detailed inspection of any exit signs and smoke detectors should be performed to identify any radioactive devices. If any radioactive sources are identified, they should be properly disposed.

4.8 Capacitors

Capacitors were located throughout the facility and are dry-type. No oil-filled capacitors are reportedly located at the facility. No PCB-containing capacitors were reportedly ever installed or operated at the facility.

It is recommended that any capacitors be properly managed and prepared for final disposal if the Site is decommissioned or demolished. Upon removal, capacitors should be inspected for “non-PCB” labeling to confirm they are PCB-free.

4.9 Battery Recharge Stations

Several battery recharge stations are located throughout manufacturing areas. Some staining and/or pitting was observed on the concrete in some of the battery recharge areas.

The SAP includes determining if regulated constituents are present in the concrete slab in the battery recharge stations. The collection of wipe or residue samples for the analysis of total RCRA toxicity characteristic constituents is recommended. Refer to the SAP located in **Appendix A** for details regarding sample collection and location.

General light cleaning is recommended with the exception of those areas where staining or residue are present. Decontamination is generally recommended for stained floor surfaces.

4.10 Piping

Piping at the Site includes natural gas piping, process waste piping, compressed air piping, weld water piping, cooling tower water supply piping, chiller system piping, process piping (including fluid fill piping), and fire suppression piping. Welder water reportedly contains molybdenum; welders are inoperable if drained.

The piping was in use at the time of the FEA inspection and had not been drained. If the piping is to be decommissioned, it is recommended that the piping be drained, flushed and cut (at approximately 50-ft intervals) to prohibit future use or in preparation for removal and disposal/scrap.

The SAP includes sample collection from the natural gas pipelines and compressed air and steam condensate pipelines for submittal to a laboratory for analysis of PCBs following termination of service, at the onset of pipeline decommissioning. The Code of Federal Regulations 761.60(b)(5)(i) outlines requirements for the abandonment of natural gas pipelines containing PCBs above specified levels. Refer to the SAP located in Appendix A for details regarding sample collection and location.

4.11 Mercury-Containing Devices

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

4.12 Booths

Three water test booths are located in the General Assembly Building. Several booths are associated with paint operations. The paint process includes a phosphate dip system for cleaning and preparing the sheet metal bodies for paint. An ELPO dip system follows the phosphate system. The vehicle bodies are electrically charged and dipped in chemical baths where the ELPO chemicals adhere to the vehicle body. A de-ionized water rinse is performed between each of the various dip baths. The paint shop is a modular paint line. The vehicles are painted by in basecoat (primer) line followed by topcoat, which is then followed by clear-coat. Paint overspray is managed by a water curtain located beneath the conveyor within the paint booths. This water is transferred to the paint sludge pit located in the Sludge Building, and is filtered and re-circulated back into the booths for reuse. Drying ovens are associated with each of these processes and were in operation during time of inspection, therefore they were

not entered. The Paint Mix room houses mix tanks. Paint repair booths are also located in the Paint Shop.

All process materials and residue will need to be removed, drained, and scraped from the paint process equipment as part of decommissioning. The materials removed will need to be characterized, properly containerized, and disposed. Following decontamination, the integrity of the floors should be evaluated.

4.13 Ovens

Drying ovens associated with the paint shop operations are located in the Paint Shop building. Drying ovens were in operation during time of inspection, therefore they were not entered. It is recommended that residual debris present in the ovens be scraped, containerized, and sampled for characterization at the time of decommissioning.

4.14 Filters

Building air filters including Torit dust filters, oil filters and roll filters are present at the Site. The spent filters are currently managed as a non-hazardous waste. The filters were in use at the time of inspection and were not inventoried. Filters are utilized in the air supply houses. RTO filters are utilized in the RTO unit.

The filters will require removal, characterization and disposal upon cessation of operations. A filter house is located at the Fan Farm that utilizes four banks of filters to filter air from the Paint Mods. The filters from the filter house will contain sludge on them.

All filters will require removal, characterization and disposal upon cessation of operations.

4.15 Conveyors

Gear-driven conveyor systems and trenches associated with assembly processes were observed throughout the facility. The conveyor systems consist of below-grade drive systems, and overhead drive systems. An abandoned coal handling conveyor system is present on Site outside northeast of the Powerhouse where coal was formerly unloaded from rail cars.

The proposed SAP includes determining if oils and grease associated with the drive mechanisms of the conveyor systems have been compromised with PCB-impacted oils and/or grease. The collection of oil and grease samples from representative conveyor drive motor and gear drive units from each of the conveyor systems for the analysis of PCBs is recommended. Refer to the SAP located in **Appendix A** for details regarding sample collection and location.

It is recommended that the conveyor systems and their components be drained and decontaminated, as required, for final disposition (i.e., reuse or scrap) when decommissioned. The floors, pits, and/or trenches beneath the conveyor systems should be decontaminated and inspected for integrity.

4.16 Fire Protection Systems

Wall-mounted fire extinguishers (dry chemical, carbon dioxide and water) are located throughout the facility. An inventory of portable fire extinguishers is included in **Appendix F**. A carbon dioxide fire suppression system is located in the Paint Mix Building. A halon system is located in the main computer room in the Administration Building. Upon decommissioning of the facility buildings, the fire suppressants should be removed, characterized and properly disposed.

4.17 Batteries

Emergency lighting and exit signs are located throughout the Site. Back-up power supplies (batteries) are associated with the main computer room, the new Body 355, and the General Assembly and Stamping areas.

It is recommended that the batteries be removed and recycled when the systems are removed, and managed in accordance with state and federal regulations applicable to universal wastes.

4.18 Waste Water Treatment Plant

The existing wastewater treatment system was upgraded in 2001. The general process waste stream is composed of phosphate wastewater, welding, cutting, and cooling wastewater associated with truck body fabrication, truck wash wastewater, plant clean-up and maintenance wastewater, spray-booth wash-water, de-ionized water system regenerated and reject, non-contact cooling water blow-down, boiler blow-down, and boiler condensate. The Site operates under industrial user permit number CIU-002

which authorizes the discharge of wastewaters from the facility into the City of Shreveport POTW. A process flow diagram of the WWTP is included as Appendix G.

Process wastewaters drain by gravity flow (with lift stations) through process sewers to the on-Site WWTP. The wastewater enters two solid separator units. The wastewater then flows over a weir and enters a wet well where the water is pumped into one of three general waste tanks for batch treatment. ELPO wastewater is pumped independently to the treatment facility and emptied into an ELPO holding tank. Wastewater is pumped from the general waste tank to the flash mix tank, then to a blend tank and finally to a clarifier. Solids are pumped to a tank for sludge thickening. The treated wastewater then discharges to the City of Shreveport sewer system for further treatment at the Shreveport POTW.

It is recommended that WWTP vessels and concrete pads be drained and decontaminated as part of decommissioning activities.

4.19 Cooling Tower

A cooling tower is located east of the WWTP and north of the Powerhouse. It is a stand-alone tower. Cooling tower water is re-circulated via continual loop operations. A pit is associated with the cooling tower. This system should be drained and decontaminated during building decommissioning.

4.20 Railroad Spurs

Railroad spurs are located on site as shown on Figure 2. The rail line splits and enters the Site from the north. Railroad spurs on the Site are maintained by RACER.

The proposed SAP includes confirming the presence/absence of PCBs from the spurs and ballast. The collection of a three-part composite sample of railroad spurs and ballast for the analysis of PCBs is recommended. Refer to the SAP located in Appendix A for details regarding sample collection and location. It is recommended that if the railroad ties and ballast are removed for re-use, renovation, or disposal the materials be properly characterized and managed under applicable regulations.

4.21 Natural Gas House Equipment

High pressure natural gas was formerly purchased and butyl mercaptan added by GM as an odorant on Site. The abandoned High Pressure Gas House is located near the

railroad tracks near the northern property boundary. A sign on the fence around the small building and associated equipment states “J-W Operating Company 1-800-274-0033”. A small aboveground storage tank, metering pit, building, and associated equipment should be inspected and sampled for the potential presence of PCBs once ownership and responsibility for management of the equipment and small structure are confirmed.

5. Areas of Interest – Production Equipment

Presses in the Stamping Plant are leased. No production equipment was reportedly transferred from other GM plants for use at the Shreveport facility except for in the Paint Shop. The ELPO Building and phosphate was constructed and new equipment installed in 2000 – 2001. The Paint Shop was constructed in 1979 and was not upgraded in 2000 – 2001. The former ELPO and phosphate operations were located in the current Paint Shop building. New equipment was installed in the new Body Shop at the time of construction.

Production equipment was in operation at the time of the FEA inspection. Individual pieces of production equipment at the facility were not assessed during FEA activities.

Cleaning/decommissioning of the production equipment will be dictated by the manner of final disposition. As a minimum requirement, it is recommended that oil, grease, sludge and/or product residues be removed; and fluids that are not contained within internal components be drained. Equipment should be inspected for the presence of other regulated materials prior to transport off site, salvage, or sale. Any CFCs, lamps, ballasts, CRTs, filters, batteries, other universal wastes and electronics should be removed and properly managed as regulated materials/wastes for disposal or recycling at the time of equipment decommissioning.

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Tables

Table 1. Areas of Interest - Structure; RACER Trust Shreveport Assembly Plant, Shreveport, Louisiana

Item No.	Location: Floor	Location: Bay	Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
Brownfield 345/745T Body Shop & Overflow								
1	First Floor	Z20	Sump	1	Process Waste Sediment Debris	Metals, PCBs/Process Waste Lift Station. Outside of building in Rack Storage Area.	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
2	First Floor	Q16	Sump	1	Process Waste, Sediment, Debris	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
3	First Floor	Q16, W8-W9	Battery Recharge Area	1	Floor Staining	Metals	Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
4	First Floor	Throughout	Single Battery Recharge Area	10x10	Floor Staining	Metals	Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
5	First Floor	See Appendix G	Satellite Hazardous Waste Accumulation Areas	3	Waste	Hazardous Waste Constituents	Remove all wastes. Clean pad/floor in accordance with specifications.	Chemical and dermal exposure.
6	First Floor	Admin Office	Cafeteria Grease Trap	2	Liquid, sediment, debris	Grease	Remove grease. Clean in accordance with specifications.	Chemical and dermal exposure.
Brownfield Paint Shop								
7	First Floor	L23	Sanitary Sump	1	Liquid, sediment, debris	N/A	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
8	First Floor	B20	Process Waste Sump	1	Process Waste Sediment Debris	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
9	First Floor	C43	Sanitary Lift Station	1	Liquid, sediment, debris	Wastewater Constituents	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
10	First Floor	F17-F18	Conveyor Drive Pit	1	Oil, sediment, debris	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
11	First Floor	Throughout	Conveyor Drive Pit	N/A	Oil, sediment, debris	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
12	First Floor	H28	Elevator Pit	1	Residue	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
13	First Floor	See Appendix G	Satellite Hazardous Waste Accumulation Areas	6	Waste	Hazardous Waste Constituents	Remove all wastes. Clean pad/floor in accordance with specifications.	Chemical and dermal exposure.
14	First Floor	B14	Virgin Product Storage	1	Sealers, Lubrication for Conveyor	Floor staining	Remove, reuse or recycle unused products. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
15	Base-ment	Basement	Basement	1	Residue on Floor	Metals	Clean in accordance with specifications.	Chemical and dermal exposure.
16	Base-ment	Basement	Sump	10' X 10'	Liquid, sediment, debris	Metals	Clean in accordance with specifications.	Chemical and dermal exposure.
17	Base-ment	Basement	Tunnel	1	Detackifier, booth control, biocides, oils, grease, paint sludge	VOC, SVOC, Metals, PCBs	Remove sludge, liquid, sediment, residue and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.

See notes on last page.

Table 1. Areas of Interest - Structure; RACER Trust Shreveport Assembly Plant, Shreveport, Louisiana

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
ELPO/Phosphate Building								
18	First Floor	M46	Sump	1	ELPO residue, sediment, debris	Lift Station to WWTP to Treat	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
19	First Floor	Outside North of Lift Station	Sump	1	ELPO residue, sediment, debris	Lift Station to Powerhouse to Treat	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
20	First Floor	Outside North of Lift Station	ELPO Phosphate Unloading Area	15X20	ELPO residue, sediment, debris	ELPO	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
21	First Floor	L42	Elevator Pit	1	Residue	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
22	First Floor	Throughout	Conveyor Drive Pit	N/A	Oil, sediment, debris	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
Greenfield Body Shop 355								
23	First Floor	F50	Sump	1	Process Waste, sediment, debris	Process Waste / Process Waste Lift Station	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
24	First Floor	J44 (CHM Room)	Pit	1	Not Accessible	Sediment and Debris	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
25	First Floor	See Appendix G	Satellite Hazardous Waste Accumulation Area	1	Waste	Hazardous Waste Constituents	Remove all wastes. Clean pad/floor in accordance with specifications.	Chemical and dermal exposure.
26	First Floor	Throughout	Charging Station	Numerous	Floor Stains	Metals	Clean floor surfaces in accordance with specifications	Chemical and dermal exposure.
27	First Floor	F50	Battery Recharge Area	1	Floor Staining	Metals	Clean in accordance with specifications.	Chemical and dermal exposure.
28	First Floor	D43	Battery Recharge Area	1	Floor Staining	Metals	Clean in accordance with specifications.	Chemical and dermal exposure.
29	First Floor	Throughout	Single Battery Recharge Area	10x10	Floor Staining	Metals	Clean in accordance with specifications.	Chemical and dermal exposure.
30	First Floor	Throughout	Conveyor Drive Pit	N/A	Oil, sediment, & debris	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
Stamping								
31	Press Base-ment	S55.5	Sump	1	Oil, Sediment, Debris	Metals, PCBs/Process Waste Lift Station	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
32	First Floor	See Appendix G	Satellite Hazardous Waste Accumulation Area	1	Waste	Hazardous Waste Constituents	Remove all wastes. Clean pad/floor in accordance with specifications.	Chemical and dermal exposure.
33	First Floor	R57	Scrap Metal Collection Area	1	Floor Staining	Metals, PCBs	Clean in accordance with specifications.	Chemical and dermal exposure.
34	Press Base-ment	S57.5	Pit	15' X 15' X 1'	Oil, Sediment, Debris	Metals, PCBs/Gravity fed to Process Waste Lift Station @ S55.5	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
35	Press Base-ment	W56.5	Trench with drain to sump	1	Oil, liquid	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
36	Press Base-ment	U57, W56.5	Floor	1	Oil	Metals, PCBs	Remove liquid. Clean surfaces in accordance with specifications.	Chemical and dermal exposure.
37	Press Base-ment	East Wall	Trench	1	Oil, liquid	Metals, PCBs	Remove liquid. Clean surfaces in accordance with specifications.	Chemical and dermal exposure.
38	Press Basement	Throughout	Sumps	3' X 3' X 3'	Oil, Sediment, Debris	Metals, PCBs/Manually pumped into totes.	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.

See notes on last page.

Table 1. Areas of Interest - Structure; RACER Trust Shreveport Assembly Plant, Shreveport, Louisiana

Item No.	Location: Floor	Location: Bay	Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
General Assembly								
39	First Floor	PP17	Sump	1	Oil, Sediment, Debris	Process Waste/Process Waste Lift Station	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
40	First Floor	KK24-KK25	Pit	1	Sediment, Debris	Metals/Shake Rattle and Roll Pit	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
41	First Floor	Z24-Z25	Pit	1	Sediment, Debris	Metals/Front End Alignment Road Test Pit	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
42	First Floor	Y28	Sump	1	Water, Sediment, Debris	Metals/Water Leak Test Booth Lift Station Sump to WWTP	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
43	First Floor	BB36	Sump	1	Oil, Sediment, Debris	Process Waste/Process Waste Lift Station	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
44	First Floor	See Appendix G	Satellite Hazardous Waste Accumulation Areas	Multiple	Waste	Hazardous Waste Constituents	Remove all wastes. Clean pad/floor in accordance with specifications.	Chemical and dermal exposure.
45	First Floor	Throughout	Conveyor Drive Pit	N/A	Oil, sediment, & debris	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
46	First Floor	E17	Battery Recharge Area	1	Floor Staining	Metals, Sulfuric Acid	Clean in accordance with specifications.	Chemical and dermal exposure.
47	First Floor	Throughout	Single Battery Recharge Area	10' X 10'	Floor Staining	Metals, Sulfuric Acid	Clean in accordance with specifications.	Chemical and dermal exposure.
48	First Floor	Exterior	Cafeteria Grease Trap	1	Oil, sediment, & debris	Grease	Remove grease. Clean in accordance with specifications.	Chemical and dermal exposure.
Waste Water Treatment Plant								
Item No.	**Location: Floor**	**Location: Bay**	**Name/Description**	**Dimensions/ Quantity**	**Contents**	**Suspected Constituents/Comments**	**Recommended Cleaning Task**	**PPE Concerns**
49	Lower Level	Solids Waste Separator Building	Pit	2 Collection Bins	Oil Sediment Debris	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
50	Upper Level	WWTP Laboratory	WWTP Laboratory	1	Containerized Chemicals	Various	Segregate, Package, Remove and Dispose.	Chemical and dermal exposure.
51	Lower Level	-	Pit with Parshall Flume	6' X 15' X 6'	Water, Residue	Liquid	Drain and clean in accordance with specifications.	Chemical and dermal exposure.
52	All Levels	Throughout	Concrete Floor	-	Residue	Various Chemicals	Clean in accordance with specifications.	Chemical and dermal exposure.
53	Exterior	-	Pipe Trench with Cover	-	Fluid-filled Piping, Residue	Liquids, sediment, debris	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
54	Lower Level	Multiple	Floor Drains	-	Liquid, Residue	Various Chemicals	Clean in accordance with specifications.	Chemical and dermal exposure.
55	Lower Level	Solids Waste Separator Building	Sump	1	Oil Sediment Debris	Metals, PCBs/Sump to WWTP	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.

See notes on last page.

Table 1. Areas of Interest - Structure; RACER Trust Shreveport Assembly Plant, Shreveport, Louisiana

Item No.	Location: Floor	Location: Bay	Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/Comments	Recommended Cleaning Task	PPE Concerns
Power House								
56	First Floor	A3	Elevator Pit	1	Residue	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
57	First Floor	Outside East Side of Building	Pit with Sump	1	Reverse Osmosis Water, Sediment	Metals	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
Outbuildings & Tanks Farms								
Item No.	**Location: Floor**	**Location: Bay**	**Name/Description**	**Dimensions/ Quantity**	**Contents**	**Suspected Constituents/Comments**	**Recommended Cleaning Task**	**PPE Concerns**
58	First Floor	Coal Drop Building	Pit	1	Not Accessible	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
59	All	Coal Conveyor Building	Conveyor Drive Pit	-	Oil, sediment, & debris may be present.	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
60	First Floor	Outside North of Former Coal Conveyor	Small out-building with sump North of Former Coal Conveyor/Cooling Tower Area; Across Road	1	Liquid, sediment from former coal pile area; Out of service	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
61	First Floor	General Assembly Tank Farm	Sump	2	Liquid Sediment Debris	Washer Fluid, Brake Fluid/Manually pumped out when filled.	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
62	First Floor	General Assembly Tank Farm	Secondary Containment	1	Liquid Sediment Debris	Washer Fluid(Methanol), Brake Fluid	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
63	First Floor	Powerhouse/ WWTP Bulk Fluids Tank Farm	Sump	1	Liquid Sediment Debris	VOC, SVOC, Halogenated Solvents, PCBs, Metals/Manually pumped to process waste via trestle.	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
64	First Floor	Powerhouse/ WWTP Bulk Fluids Tank Farm	Gasoline Only Sump	1	Liquid Sediment Debris	VOC, SVOC, Halogenated Solvents, PCBs, Metals/Manually pumped to process waste via trestle.	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
65	First Floor	Powerhouse/ WWTP Bulk Fluids Tank Farm	Secondary Containment with sump	1	Liquid Sediment Debris	VOC, SVOC, Halogenated Solvents, PCBs, Metals/Manually pumped out if filled.	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
66	First Floor	Purge Thinner Tank Farm	Sump	1	Liquid Sediment Debris	VOC, SVOC, Halogenated Solvents/Sump to Process Waste	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
67	First Floor	Purge Thinner Tank Farm	Secondary Containment	1	Liquid Sediment Debris	VOC, SVOC, Halogenated Solvents	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
68	First Floor	Purge Thinner Tank Farm	Trench	1	Liquid Sediment Debris	VOC, SVOC, Halogenated Solvents	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
69	First Floor	Central Exhaust / Fan Farm	Sump	1	Detackifier, booth control, biocides, oils, grease, paint sludge	VOC, SVOC, Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
70	First Floor	Central Exhaust / Fan Farm	Satellite Hazardous Waste Accumulation Area	1	Waste	See Appendix G	Remove wastes. Clean pad in accordance with specifications.	Chemical and dermal exposure.

See notes on last page.

Table 1. Areas of Interest - Structure; RACER Trust Shreveport Assembly Plant, Shreveport, Louisiana

Outbuildings & Tanks Farms(continued)								
	Location			Dimensions/		Suspected		
Item No.	Floor	Bay	Name/Description	Quantity	Contents	Constituents/Comments	Recommended Cleaning Task	PPE Concerns
71	First Floor	Solids Separator Building	Pit	2	Detackifier, booth control, biocides, oils, grease, paint sludge	VOC, SVOC, Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
72	First Floor	Solids Separator Building	Sump	1	Detackifier, booth control, biocides, oils, grease, paint sludge	VOC, SVOC, Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
73		ELPO Pump House	Sump	3' X 4'	Residue, liquid	Metals	Remove liquid, sludge, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
74	First Floor	90-Day Haz Waste Pad	Pad	1	Staining	Residue	Clean in accordance with specifications.	Chemical and dermal exposure.
75	First Floor	90-Day Haz Waste Pad	Drain and Sump	1	Liquid Sediment Debris	VOC, SVOC, Metals, PCBs; Drain to sump; pumps to Fan Farm Building sump	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
76	First Floor	Cooling Tower - South End	Pit	3' X 15' X 12 ' deep	Cooling Water	Cooling Water, Sediment/Pit from Cooling Tower to Powerhouse	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
77	First	High Pressure Natural Gas House	-	1	Small Bldg, Sump, Metering Pit	Universal Wastes	Remove and recycle CFCs, gas cylinders, fire extinguishers, batteries, lamps, smoke detectors	Chemical and dermal exposure.
78	First	Sludge Building	ELPO Pit	-	ELPO wastewater	Residue, sludge, liquids	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
79	First	Paint Mix	Floor	-	Residuals and Staining	Organic compounds, metals	Clean in accordance with specifications.	Chemical and dermal exposure.
80	Exterior	Multiple	Railroad Spurs and Ties	-	Solid	PCBs	Maintain or characterize and remove.	Chemical and dermal exposure.
81	Roof	Multiple	Air Supply Houses	-	Floor Slab	Residuals	Clean in accordance with specifications.	Chemical and dermal exposure.
82	Roof and on Grade	Multiple	Substations	-	Floor Slab	Residuals	Clean in accordance with specifications.	Chemical and dermal exposure.
83	All	Pads	Stained Pad	1 each	Residue	Various - VOC, SVOC, Metals, PCBs	Remove liquid, sediment and debris. Clean pads in accordance with specifications.	Chemical and dermal exposure.

Notes:

Inventory based on inspection by ARCADIS April 30 through May 4, 2012.

Table 2. Areas of Interest - Equipment; RACER Trust Shreveport Assembly Plant, Shreveport, Louisiana

Item No.	Location: Floor	Location: Bay	Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/ Comments	Recommended Cleaning Task	PPE Concerns
Brownfield 345/745T Body Shop & Overflow								
1	First Floor	Admin Office Main Computer Room	Halon Fire Suppression System	1	Halon	Halon/Under Raised Floor Boards	Remove for proper disposal.	Chemical and inhalation exposure.
2	First Floor	Admin Office Main Computer Room	Battery Backup System	1	UPS Sealed Batteries	Metals	Recycle or dispose.	Chemical and dermal exposure.
3	First Floor	Admin Office	Fluorescent Lighting	Throughout	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.
4	First Floor	Q2	Medical	1	Biohazard	Biohazard	Remove, characterize and dispose of all wastes. Clean all surfaces in accordance with specifications.	Chemical, dermal, and inhalation exposure.
5	First Floor	Admin Office	Refrigerator, ice machines	1	Not Accessible	CFCs	Reclaim CFCs. Clean in accordance with specifications.	Chemical, dermal and inhalation exposure.
6	First Floor	Throughout	High Pressure Sodium Lighting	N/A	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.
7	First Floor	Shop Areas	Fluorescent Lighting	N/A	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.
8	First Floor	Throughout	Hydraulic Equipment	N/A	Oils	PCBs	Drain, characterize, and recycle or dispose.	Chemical and dermal exposure.
9		Throughout	Also See Items Listed in "All Structures" at end of Table 2.					
Brownfield Paint Shop								
10	First Floor	Throughout	Conveyor Gear Drives	N/A	Oil	PCBs	Drain, characterize, and recycle or dispose.	Chemical and dermal exposure.
11	First Floor	H28	Elevator	1	Oil	PCBs	Drain, characterize, and recycle or dispose.	Chemical and dermal exposure.
12	First Floor	Throughout	Duct Work	N/A	Dust, Residue	Metals	Clean in accordance with specifications.	Chemical and inhalation exposure.
13	Basement	Basement	Process Waste Lift Station	1	Process Waste, sediment & debris	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
14	First Floor	Throughout	High Pressure Sodium Lighting	N/A	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.
15	First Floor	CMM Room and Throughout	Fluorescent Lighting	N/A	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.
16	Basement	Throughout	Fluorescent Lighting	N/A	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.
17	First Floor	K-mart Aisle, west of ELPO	Miscellaneous Stored Equipment	N/A	Universal Wastes, Oils	PCBs, metals	Segregate regulated materials from equipment; characterize, remove and dispose.	Chemical and dermal exposure.

See notes on last page.

Table 2. Areas of Interest - Equipment; RACER Trust Shreveport Assembly Plant, Shreveport, Louisiana

Item No.	Location: Floor	Location: Bay	Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/ Comments	Recommended Cleaning Task	PPE Concerns
Brownfield Paint Shop (continued)								
18	First Floor	Paint Mods	Booths	-	Residue	Organic compounds, metals	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
19	Unknown	Former ELPO Process Piping	Former ELPO Piping	N/A	ELPO	Metals	Locate former abandoned ELPO piping; characterize contents, remove, dispose.	Chemical, dermal exposure.
20		Throughout	Also See Items Listed in "All Structures" at end of Table 2.					
ELPO/Phosphate Building								
Item No.	Location: Floor	Location: Bay	Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/ Comments	Recommended Cleaning Task	PPE Concerns
21	Mezzanine	M41	Laboratory	1	Laboratory Chemicals	Acids, Bases	Segregate, characterize. Reuse or lab pack disposal.	Chemical, dermal and inhalation exposure
22	First Floor	L42	Elevator	1	Oil	PCBs	Drain, characterize, and recycle or dispose.	Chemical and dermal exposure.
23	First Floor	Throughout	Conveyor Gear Drives	N/A	Oil	PCBs	Drain, characterize, and recycle or dispose.	Chemical and dermal exposure.
24	First Floor	Throughout	Fluorescent Lighting	N/A	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure
25		Throughout	Also See Items Listed in "All Structures" at end of Table 2.					
Greenfield Body Shop 355								
Item No.	Location: Floor	Location: Bay	Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/ Comments	Recommended Cleaning Task	PPE Concerns
26	First Floor	Throughout	Metal Halide Lighting	N/A	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.
27	First Floor	Throughout	Conveyor Gear Drives	N/A	Oil	PCBs	Drain, characterize, and recycle or dispose.	Chemical and dermal exposure.
28		Throughout	Also See Items Listed in "All Structures" at end of Table 2.					
Stamping								
Item No.	Location: Floor	Location: Bay	Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/ Comments	Recommended Cleaning Task	PPE Concerns
29	First Floor	R57	Scrap Metal Collection Area	1	Oily Scrap Metal, Debris	Metals, PCBs	Remove oily scrap and debris. Clean in accordance with specifications.	Chemical and dermal exposure.
30	First Floor	W59-W65/S59-S65	Overhead Cranes B1 & B2	2	Not Accessible	Electric	Verify cranes contain no hydraulic fluid.	Chemical and dermal exposure.
31	First Floor	W63	Die Wash Booth	1	Sediment, Debris	Metals, PCBs	Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
32	-	Throughout	Hydraulic Equipment	-	Oils	PCBs	Drain, characterize, and recycle or dispose.	Chemical and dermal exposure.
33	First	Throughout	Metal Halide Lighting	N/A	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.
34		Throughout	Also See Items Listed in "All Structures" at end of Table 2.					

See notes on last page.

Table 2. Areas of Interest - Equipment; RACER Trust Shreveport Assembly Plant, Shreveport, Louisiana

Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/ Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
General Assembly								
35	First Floor	U15	Medical	1	Biohazard	Biohazard	Characterize and dispose of any remaining wastes. Clean all surfaces in accordance with specifications.	Chemical, dermal and inhalation exposure.
36	First Floor	Office Area R17-V17	Fluorescent Lighting	N/A	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.
37	First Floor	Throughout	Pneumatic/Electric Overhead Cranes	10'-20'	Not Accessible	N/A	Verify cranes do not contain oil.	Chemical and dermal exposure.
38	First Floor	U.5-39	Cafeteria	1	Refrigerator, ice machine	CFCs	Reclaim CFCs.	Chemical and dermal exposure.
39	First Floor	Throughout	Duct Work	N/A	Dust, Residue	Metals	Remove, reuse or recycle.	Chemical and inhalation exposure.
40	First Floor	Throughout	Conveyor Gear Drives	N/A	Oil	PCBs	Drain, characterize, and recycle or dispose.	Chemical and dermal exposure.
41	First Floor	W36	Methanol-Water Separator	1	Methanol & Water	Industrial Liquid	Drain, characterize, and recycle or dispose.	Chemical and dermal exposure.
42		Throughout	Also See Items Listed in "All Structures" at end of Table 2.					
Waste Water Treatment Plant								
Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/ Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
43	Second Floor	WWTP	Laboratory	1	Laboratory Chemicals	Acids, Bases	Segregate, characterize for lab pack disposal.	Chemical, dermal and inhalation exposure
44	First Floor	Throughout	High Pressure Sodium Lighting	N/A	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.
45	First Floor	Throughout	Fluorescent Lighting	N/A	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.
Power House								
Item No.	Location		Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/ Comments	Recommended Cleaning Task	PPE Concerns
	Floor	Bay						
46	First Floor	A3	Elevator	1	Oil	PCBs	Drain oil, characterize, recycle or dispose.	Chemical and dermal exposure.
47	All	Throughout	High Pressure Sodium Lighting	-	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.
48	All	Throughout	Boilers, compressors, Welder Water System	-	Fluids, oils	Organic compounds, Metals	Drain, characterize, and recycle or dispose.	Chemical, dermal and inhalation exposure.
49	-	-	Laboratory	1	Laboratory Chemicals, Equipment	Acids, Bases	Segregate, characterize. Reuse or lab pack disposal.	Chemical, dermal and inhalation exposure
50	All	Throughout	Fluorescent Lighting	N/A	Lamps, ballasts	Mercury, PCBs	Remove, reuse or recycle.	Chemical, dermal and inhalation exposure.

See notes on last page.

Table 2. Areas of Interest - Equipment; RACER Trust Shreveport Assembly Plant, Shreveport, Louisiana

Outbuildings & Tanks Farms								
	Location					Suspected		
Item No.	Floor	Bay	Name/Description	Dimensions/ Quantity	Contents	Constituents/ Comments	Recommended Cleaning Task	PPE Concerns
51	-	Coal Conveyor Building	Conveyor	1	Not Accessible	Metals, PCBs	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
52	-	Coal Conveyor Building	Conveyor Gear Drives	-	Oil	PCBs	Remove liquid. Decommission in accordance with specifications.	Chemical and dermal exposure.
53	-	SWEPCO Substation	Electrical Substation Equipment	-	Oils	PCBs	Confirm ownership/responsibility for equipment. Drain oils, characterize and recycle or dispose.	Chemical and dermal exposure.
54	-	Solids Separator Building	Solidification Equipment	-	Sludge	Organic compounds, Metals	Drain and remove sludge. Clean per specifications.	Chemical and dermal exposure.
55	-	Pump House	Pump House	1	Flammables Cabinet	Liquid Chemicals	Characterize, remove and dispose of flammables.	Chemical, dermal, and inhalation exposure.
56	-	Paint Mix Room	Paint pots, piping, pumps	-	Paint, Solvent, Residue	Organic compounds, Metals	Remove liquid, sediment and residue. Decommission and remove equipment for salvage/disposal.	Chemical, dermal, and inhalation exposure.
57	-	Central Exhaust	RO	2	Contact Media	Organic compounds, Metals	Remove and regenerate or dispose.	Chemical and dermal exposure.
58	-	Central Exhaust	Filter House	1	Filters	Sludge	Remove and dispose.	Chemical and dermal exposure.
59	-	High Pressure Natural Gas House	-	1	Piping, Small Vessels, Metering Pit	Oils, Residue, Liquids, Sediment, PCBs	Remove liquid, sediment and debris. Decommission and remove equipment for salvage/disposal.	Chemical and dermal exposure.
60	First	Paint Mix	Tanks, piping, equipment	-	Residuals and Staining	Organic compounds, metals	Remove liquid, residue. Clean in accordance with specifications.	Chemical and dermal exposure.
61	-	RTO	RTO	-	RTO	Filters	Remove, characterize, dispose	Chemical and dermal exposure.
62	Roof	Multiple	Air Supply Houses	-	Universal Wastes	CFCs, lead, mercury, PCBs	Remove and recycle CFCs, gas cylinders, fire extinguishers, batteries, lamps, smoke detectors	Chemical and dermal exposure.
63	Roof and on Grade	Multiple	Substations	-	Universal Wastes	CFCs, lead, mercury, PCBs	Remove and recycle CFCs, gas cylinders, fire extinguishers, batteries, lamps, smoke detectors	Chemical and dermal exposure.
64	-	Sludge Building	ELPO Equipment	-	Pumps, Piping	ELPO	Remove liquid, sediment and debris. Clean all surfaces in accordance with specifications.	Chemical and dermal exposure.
65	-	Cooling Tower	Cooling Tower	1	Coolant, Sediment	CFCs	Remove liquid and sediment, characterize and dispose. Clean in accordance with specifications.	Chemical, dermal, and inhalation exposure.
66		Throughout	Also See Items Listed in "All Structures" at end of Table 2.					

See notes on last page.

Table 2. Areas of Interest - Equipment; RACER Trust Shreveport Assembly Plant, Shreveport, Louisiana

All Structures								
	Location					Suspected		
Item No.	Floor	Bay	Name/Description	Dimensions/ Quantity	Contents	Constituents/ Comments	Recommended Cleaning Task	PPE Concerns
67	All	Throughout	AC Units < 50lbs	N/A	CFCs	CFCs	Reclaim CFCs	Chemical and inhalation exposure.
68	All	See Appendix D	AC Units > 50 lbs	N/A	CFCs	CFCs	Reclaim CFCs	Chemical and inhalation exposure.
69	All	Throughout	Fire Extinguishers	N/A	Dry Chemical	CO2	Remove, Reuse or Recycle	Chemical and inhalation exposure.
70	All	Throughout	Drinking Fountains	N/A	CFCs	CFCs	Reclaim CFCs	Chemical and inhalation exposure.
71	All	Throughout	Ice Machines	N/A	CFCs	CFCs	Reclaim CFCs	Chemical and inhalation exposure.
72	All	Throughout	Exit Signs	N/A	Hard Wired	Radioactive Material	Verify no radioactive components. Remove, Reuse or Recycle.	Chemical and dermal exposure.
73	All	Throughout	Refrigerators/ Coolers	N/A	CFCs	CFCs	Reclaim CFCs	Chemical and inhalation exposure.
74	All	Throughout	Compactors	5 X 100-200 gal	Oil	PCBs	Drain oil, characterize, recycle or dispose.	Chemical and dermal exposure.
75	All	Throughout	Water Coolers	N/A	CFCs	CFCs	Return to vendors or reclaim CFCs	Chemical and inhalation exposure.
76	All	Throughout	Fire Suppression System	N/A	CO2	CO2	Decommission in accordance with specifications.	Chemical and inhalation exposure.
77	All	Throughout	Monitors	N/A	CRTs, Electronics	Metals	Remove, Reuse or Recycle	Chemical and dermal exposure.
78	All	Throughout	Computers/Electro nics	N/A	Metals	Metals	Remove, Reuse or Recycle	Chemical and dermal exposure.
79	All	Throughout	Smoke Detectors	N/A	Hard Wired	Radioactive Material	Verify no radioactive components. Remove, reuse or recycle.	Chemical and dermal exposure.
80	All	Throughout	Diesel Generator Backup	7 X 150-700 gal	Diesel	Diesel	Decommission in accordance with specifications.	Chemical and dermal exposure.
81	All	Throughout	Overhead Door Heater	N/A	Switches	Mercury	Verify mercury switches are not present. Remove, reclaim or recycle.	Chemical dermal and inhalation exposure,
82	All	Throughout	Overhead Door Motors	N/A	Oil	PCBs	Drain oil, characterize, recycle or dispose.	Chemical and dermal exposure.
83	All	Throughout	Floor Drains	N/A	Sediment, Debris	Metals, PCBs	Decommission in accordance with specifications.	Chemical and dermal exposure.
84	All	Throughout	Trenches	N/A	Liquid, sediment & debris	Metals, PCBs	Decommission in accordance with specifications.	Chemical and dermal exposure.

See notes on last page.

Table 2. Areas of Interest - Equipment; RACER Trust Shreveport Assembly Plant, Shreveport, Louisiana

All Structures (continued)								
	Location							
Item No.	Floor	Bay	Name/Description	Dimensions/ Quantity	Contents	Suspected Constituents/ Comments	Recommended Cleaning Task	PPE Concerns
85	All	Throughout	Compressed Gas Cylinders	N/A	Compressed Gases	Varies	Return to vendors or reclaim.	Chemical, dermal and inhalation exposure.
86	All	Throughout	Containerized Chemicals, Flammables Cabinets	N/A	Liquid, Solid Chemicals	Varies	Segregate, characterize and dispose off-site or recycle.	Chemical and dermal exposure.
87	All	Throughout	Aerosol Cans	N/A	Compressed Gas	Varies	Characterize and dispose off-site.	Chemical and dermal exposure.
88	All	Throughout	Hydraulic Equipment	N/A	Oils	PCBs	Drain, characterize, and recycle or dispose.	Chemical and dermal exposure.
89	All	Throughout	Piping	N/A	Process fluids, Welder Water, Process Wastewater, Hydraulic, Chiller System Water, Paint, Thinner, Other Fluids, etc.	Chemicals, Wastes	Drain, flush piping and associated equipment per specifications. Characterize and dispose of fluids.	Chemical and dermal exposure.
90	All	Throughout	Duct Work	N/A	Dust, Residue	Metals	Clean in accordance with specifications.	Chemical and inhalation exposure.
91	All	Throughout	Production Chemicals, Oils	N/A	Industrial liquids, chemicals, products	VOCs, SVOC, PCBs, Metals	Drain, recycle or dispose.	Chemical, dermal, and inhalation exposure.

Notes:

Inventory based on inspection performed by ARCADIS May 30 through April 4, 2012.

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TABLE 3
ITEMS FOR ADDITIONAL INVESTIGATION

FACILITY ENVIRONMENTAL ASSESSMENT

RACER TRUST
SHREVEPORT ASSEMBLY PLANT
SHREVEPORT, LOUISIANA

Location/Floor	Name/Description	Contents	Comments/Issues	Parameters of Concern	Reason Not Inspected During FEA
Location Unconfirmed	Former ELPO lines	Metals	Former ELPO area was previously cleaned and demolished; however a pontential underground ELPO line may remain requiring cleaning, removal, disposal, and/or proper abandonment. Confirm location, current condition, and if it contains leaded or non-leaded ELPO.	Metals	Location unknown
Paint Shop - Central Exhaust	Tunnel associated with Paint Operations	Residual ELPO, other residues	Inspect to confirm condition, decommissioning, decontamination requirements	Metals	Active
Central Exhaust	Fan Farm	Residual ELPO, other residues	Inspect to confirm condition, decommissioning, decontamination requirements	Metals	Active
Northern Property Line	High Pressure Natural Gas House & Equipment	Potential Oils, residuals	Confirm current ownership, decommissioning, decontamination requirements	Oils and PCBs	Ownership uncertain
Northeast of Powerhouse/WWTP	Coal Conveyor Structure and System	Residuals, Oils	Confirm condition, decommissioning, decontamination requirements	Oils, PCBs, Metals	Safety Concern Regarding Entry to Inspect
To be confirmed	Asbestos-containing Building Materials	Potential Asbestos	Locate past asbestos survey(s); perform NESHAP asbestos survey in areas to be renovated or demolished	Asbestos	Beyond FEA scope of work
SWEPCO Substation	Substation Equipment and Pad	Pontential Oils	Confirm ownership and responsibility	Potential PCBs, used oils	Active and Energized
Multiple	Laboratory Analytical Results	Multiple	After sample collection and laboratory analysis are complete, evaluate results to identify potentially regulated materials	RCRA Toxicity Characterisitc Parameters, PCBs	Unavailable

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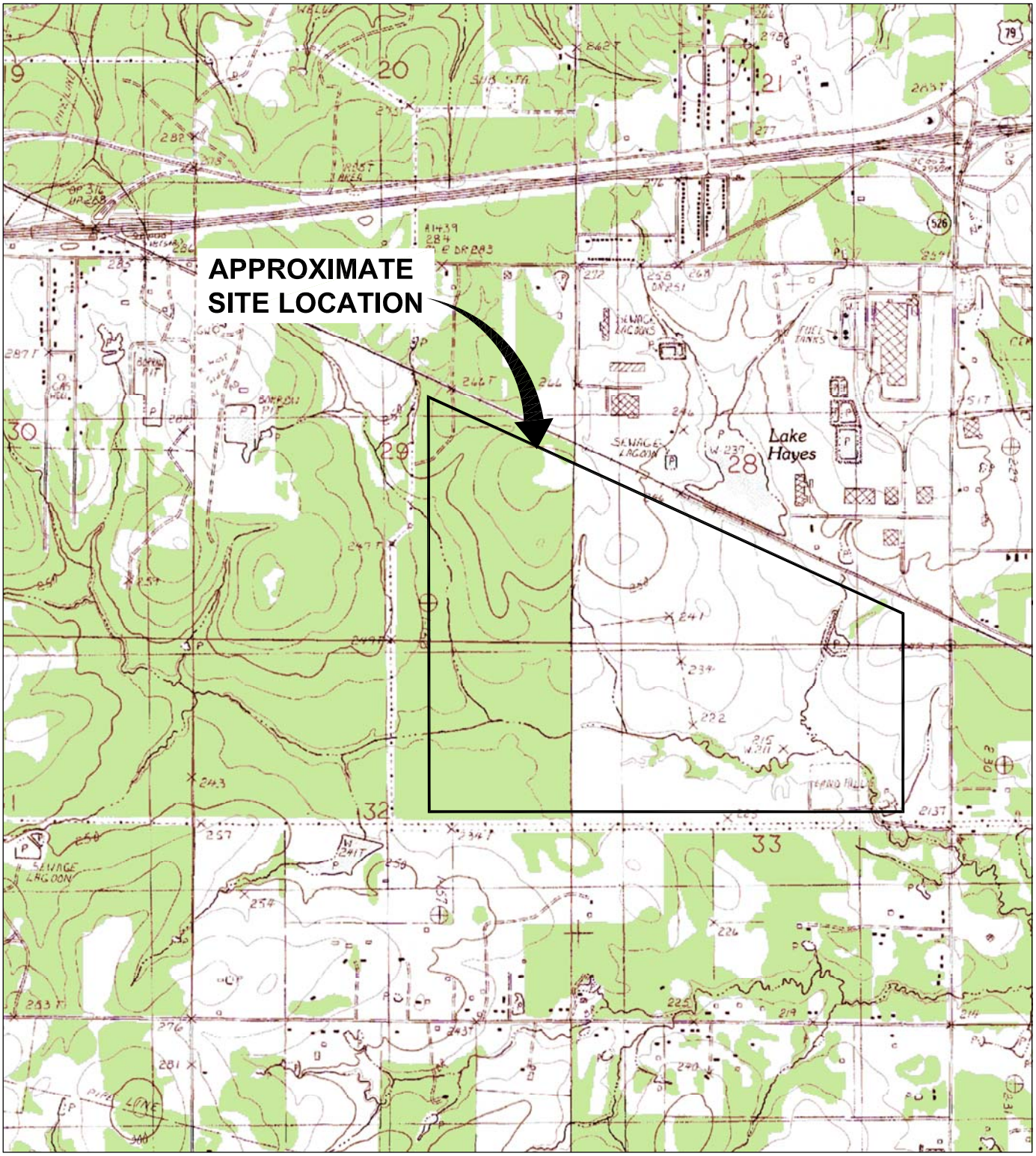
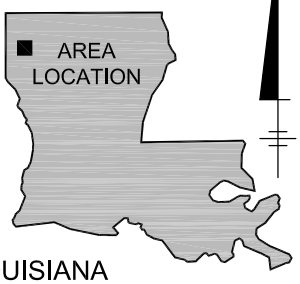
Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., GREENWOOD, LOUISANA, 1982.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



SHREVEPORT ASSEMBLY AND STAMPING PLANT
SHREVEPORT, LOUISIANA

SITE LOCATION MAP

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FIGURE
1

N

0 3,000 6,000

SCALE: 1"=6,000'

FIRE BOOSTER PUMP HOUSE
WASTE PAD
SLUDGE BUILDING
TRANSFORMER ROOM NO. 7
PAINT MIX
CENTRAL EXHAUST
RTO
OVEN INCINERATOR
PAINT SHOP
BS OVERFLOW
MATERIAL AREA
745T BODY SHOP
345 BODY SHOP
SWEPCO EASEMENT
SWEPCO YARD
(TRANSFORMERS OWNED AND
OPERATED BY SWEPCO)
EMPLOYEE
PARKING
WASTEWATER TREATMENT PLANT
POWER HOUSE
355 BODY SHOP
EAST
MATERIAL
STORAGE
STAMPING
STAMPING
FISHER ROAD
EL CAMINO
GENERAL
ASSEMBLY
BUILDING
LELAND ROAD
KETTERING ROAD
SEDAN ROAD
JIMMY ROAD
GMC ROAD
INDUSTRIAL LATERAL
GENERAL MOTORS BOULEVARD
INDUSTRIAL LATERAL
DRAINAGE
CANAL BAYOU
GILMER DRAINAGE
001
OUTFALL DISCHARGE
FLOW AVERAGE IS 1.2 MGD
FLOW MAXIMUM IS 40.71 MGD
STORMWATER RETENTION BASIN

LEGEND:

- BUILDING
- FENCE
- PROPERTY LINE
- SHRUBS OR FLOWERS
- UTILITY EASEMENT
- DITCH

SHREVEPORT ASSEMBLY AND STAMPING PLANT
SHREVEPORT, LOUISIANA
FACILITY ENVIRONMENTAL ASSESSMENT

SITE PLAN

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FIGURE
2

REFERENCE: ADAPTED FROM GENERAL MOTORS VEHICLE OPERATION FIGURE TITLED; SITE LAYOUT, DATED FEBRUARY 15, 2008.

DATE-DIV-ORIGINATOR
DIRECTORY NAME/FILE NAME

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Appendix A

Sampling and Analysis Plan

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Infrastructure · Water · Environment · Buildings

Imagine the result

RACER TRUST

Facility Environmental Assessment Sampling and Analysis Plan

Shreveport Assembly and Stamping Plant

Shreveport, Louisiana

May 2012

Table of Contents

Tables

Attachment

1. Introduction

1.1 Project Overview

This Sampling and Analysis Plan (SAP) presents a plan for sample collection and laboratory analysis to support the Facility Environmental Assessment (FEA) of the Revitalizing Auto Communities Environmental Response (RACER) Trust Shreveport Assembly and Stamping Plant in Shreveport, Louisiana (the Site). The FEA identifies potential environmental areas of interest related to building materials to aid in developing decontamination requirements for structures that may potentially be decommissioned or removed, and aids in identification of the type and nature of wastes that may be generated during Site decommissioning or renovation. ARCADIS has performed a Site inspection, interviews of personnel, and a review of files provided by RACER and GM. This SAP is based on information obtained during these activities.

1.2 Objective and Scope

The SAP outlines requirements for the collection of representative building material samples and laboratory analysis of samples to assess potential environmental concerns identified during the Site inspection and records review. The objective of the SAP is to specify building material samples for collection and laboratory analysis that will aid in identification of decommissioning requirements and characterization of building materials, and wastes in conjunction with the FEA inspection.

The SAP includes a description of samples to be collected, sample locations and laboratory analysis to be performed. Samples to be collected include the following:

- Wipe samples;
- Residue/solids in subsurface structures, and trenches;
- Residual liquids in subsurface structures;
- Paint chip samples; and
- Concrete core and surface samples.

This SAP does not include sample collection and analysis for identification of asbestos-containing materials. This SAP does not include sampling and laboratory analysis of wastes currently characterized and profiled as part of production operations. Section 2 presents the types and locations of samples to be collected, and Section 3 presents the laboratory analysis plan. Table 1 presents the Areas of Interest for sampling and analysis, and Table 2 presents a tabulated summary of sample containers, preservatives, and hold times.

1.3 Site Description

The Site is located at 7600 General Motors Boulevard in Shreveport, Caddo Parish, Louisiana. The plant occupies approximately 530 acres in an industrial park located approximately 1.5 miles west of Shreveport Corporate Limits. Construction of the plant began in 1979 and was completed in 1981 with production beginning in the latter half of 1981. The property was expanded to the east in 2002 with a new stamping plant and general assembly body shop. The main assembly building contains over 1.8 million square feet and approximately 18 miles of conveyor line for assembly. Air conditioning as well as wastewater treatment, heating, steam generation, deionized water, and bulk fluid transfer is supplied by the plant's Powerhouse.

2. Sampling Plan

This section provides an overview of the sampling procedures to be implemented at the Site during the sampling and analysis portion of the FEA.

2.1 Sampling Rationale

A review of documents available at the Site, Site interviews, and Site inspection were performed in an effort to determine areas and items requiring environmental decommissioning upon cessation of automotive manufacturing activities.

Discussions with Site personnel and a review of the Site's construction and operational history indicate the presence of polychlorinated biphenyls (PCBs) have not been an issue on the Site. Samples of representative building materials will be collected for analysis of constituents that, if present, would require management in accordance with environmental regulations. Samples will be collected of the identified Areas of Interest and will be analyzed for Resource Conservation and Recovery Act (RCRA) Toxicity Characteristic constituents as well as polychlorinated biphenyls (PCBs). The storm sewers will be assessed for potential sediment accumulation, and if present, sediment samples will be collected to determine the requirements for sewer cleaning.

Table 1 presents Areas of Interest identified during the Site inspection, along with the sampling and analysis objectives and methods for each Area of Interest, sample types and locations. Table 2 lists containers and holding times for samples to be collected. The attached Site Plan shows the layout of the Site.

2.2 Sample Designations

Samples will be assigned designations according to the following system. A prefix of SHR will be used to identify the samples from the Site. This sample identification prefix will be followed by a dash and the column/bay from which the sample is collected.. The date the sample was collected will follow the numerical designation, placed in parentheses, and will be written without dashes, spaces, or backslashes. Samples will be assigned a suffix to correspond with the matrix sampled. The following sample matrix codes will be used:

Liquid/Water (non-oil)	LD
Oil	OL
Concrete Core	CC
Solid Residue	SD
Wipe sample	SW
Building Material	BM
Paint Chip	PC

An example of the sample designation for an oil sample located in Bay C-5 on November 1, 2012 would be SHR-C5 (110112)OL.

Designations for Quality Assurance/Quality Control Samples will be assigned the appropriate suffix as follows:

Duplicate	DUP
Equipment Blank	EB
Rinse Blank	RB

2.3 Field Documentation

Field personnel will document the collection of each sample, and will initiate sample chain of custody documentation. This documentation will constitute a record that allows reconstruction of sampling events to aid in the data review and interpretation process. The following documentation will be maintained throughout the sampling activities:

- Daily Documentation - A field logbook consisting of a waterproof, bound notebook that will contain a record of all activities performed at the Site. Logbook entries will be made using indelible-ink pen. Additions or corrections to the field logbook information will be single-lined out, dated, and initialed.

- Sample Log – Detailed notes will be made to log each sample as it is collected in a table, including the following information: the exact location of sampling, physical observations of the sample location and the sample matrix, personnel present, date and time of sample collection, any paint present on any wipe sample locations (i.e., whether the sampled area is painted or unpainted).

- Sample Chain of Custody – Chain of custody documentation will be initiated by the sampler.

- Field Instrument Calibration, and Maintenance Logs - To document the calibration and maintenance of any field instrumentation utilized, calibration, and maintenance logs will be maintained for each piece of field equipment that is not factory-calibrated. Field instrument calibration will be documented.

- Information collected in the field through visual observation, manual measurement and/or field instrumentation will be recorded in field notebooks and/or data sheets.

2.4 Health and Safety

The sampling team shall determine health and safety requirements prior to initiating sampling activities, and shall determine the appropriate personal protective equipment and monitoring required to perform the sampling in a safe manner. Health and safety requirements are not specified in this SAP.

If determined to be necessary, based on field observations and Site conditions, air monitoring may be conducted to aid in the determination of the potential for employee exposure to airborne constituents.

Direct-reading instrumentation calibrations should be conducted under the approximate environmental conditions the instrument will be used. Instruments must be calibrated before and after use, noting the reading(s) and any adjustments that are necessary. All air monitoring equipment calibrations, including the standard used for calibration, must be documented on a calibration log or in the field notebook.

Air monitoring equipment must be maintained and calibrated in accordance with the specific manufacturer's procedures. Preventive maintenance and repairs must be conducted in accordance with the respective manufacturer's procedures. When applicable, only manufacturer-trained and/or authorized personnel should perform instrument repairs or preventive maintenance.

2.5 Sample Containers

Upon collection, samples will be immediately placed in the proper containers. Sample containers for each sampling task will be provided by the laboratory. The containers will be cleaned by the manufacturer to meet or exceed the analyte specifications established in *Specifications and Guidance for Obtaining Contaminant-Free Sample Containers*, OSWER Directive #9240.0-0.5A (USEPA, 1992). Certificate of analysis for each

lot of sample containers used during the sampling will be maintained by the laboratory and will be available upon request. The appropriate samples containers, preservation method, and maximum holding times for each target parameter are provided in Table 2.

2.6 Quality Assurance/Quality Control Samples

Quality Assurance/Quality Control (QA/QC) samples will be collected. QA/QC samples will include trip blanks for volatile organic compound (VOC) analysis and wipe samples, equipment rinse blanks (if equipment decontamination is performed), and duplicate samples for representative solid, liquid, and oil matrices. Based on the data quality objectives of routine analytical services without full USEPA Contract Laboratory Program data packages, matrix spike, and matrix spike duplicate samples will not be collected. QA/QC samples are discussed in further detail in Section 3.0.

2.7 Sample Labeling

Each sample will be labeled with a unique sample number that will facilitate tracking and cross-referencing of sample information. The information on the label will include sample designation, sample type, sampler's initials, date and time collected, any preservative used, and analytical parameter and method to be performed.

2.8 Sampling Procedures

The following procedures will be utilized to conduct the work.

2.8.1 Oil Reservoir Sampling

The following activities should be used for the collection of bulk oil samples from reservoirs. Put on leather work gloves when using hand tools to loosen, remove, and replace drain plugs and/or fill ports. Put on clean latex/nitrile protective gloves for each new sample collection. Obtain an oil sample using one of the following procedures:

a. Place a catch pan below work area to collect possible oil drippings. Loosen the drain plug on the oil reservoir. Do not fully remove. Apply pressure on the plug to prevent the plug from falling out. Place the sample vial under the plug to catch oil. Reduce pressure on the plug to allow oil to flow out. If sediment/sludge is noticed, drain until oil clearly flows without the sediment/sludge. Fill the sample vial to top. Reconnect and tighten the drain plug. Cap and seal the sample vial. Wipe and clean any excess oil from the sample vial and equipment.

b. Place a disposable pipette in the oil fill neck hole to the bottom of the reservoir. Place a finger on top of the pipette to make an airtight seal. Make sure there is no sediment/sludge in the bottom of the pipette. Remove the pipette from the reservoir, place in a sample vial, and release the finger to allow oil to fill the sample vial. Repeat procedure to obtain a full vial oil sample. Cap and seal the sample vial. Wipe clean any excess oil from the sample vial and reservoir.

c. Place disposable tubing in the oil fill neck hole to the bottom of the reservoir and connect tubing to a peristaltic pump which relays oil to the sample vial. Place the sample vial and tubing over a catch pan to collect possible oil drippings. Make sure that all tubing is secure and will not move before turning on the pump. Pump slowly to fill sample vial. Make sure there is no sediment/sludge in the tubing. Cap and seal the sample vial. Wipe clean any excess oil from the sample vial and reservoir.

Dispose of the pipette, tubing, gloves, excess oil, and catch pan in appropriate containers in accordance with site-specific procedures. Mark the sample ID on the reservoir.

2.8.2 Wipe Sampling

The following procedure should be used for collecting surface wipe samples from steel structural surfaces. Put on clean latex/nitrile protective gloves for each new sample collection. Place paper template with 10-cm x 10-cm cutout on the surface to be sampled. For PCB analysis remove hexane-soaked gauze pad from sample container (For metal analysis use a Ghost Wipe™.). Using gauze pad, wipe entire cutout area from side to opposite side. Refold gauze pad and wipe in perpendicular direction of first wipe, side to opposite side of entire cutout area. Place sample gauze pad back into sample vial. Mark the four corners of the paper template onto the sampled surface using an indelible ink marker or paint pen. Mark the sample ID above or next to the template corner markings. Remove protective gloves while holding template and dispose of used gloves and template in accordance with appropriate site-specific procedures.

2.8.3 Concrete Floor Core Sampling for PCB Analysis

The following procedure should be used for the collection of concrete samples. Don appropriate personal protective equipment, including hard hat, safety glasses, steel-toed shoes, and new disposable vinyl gloves. Clean the masonry bit and the core sample bit by wiping with a clean, disposable wipe saturated with hexane followed by a distilled water rinse. Repeat the procedure three times. This step should be followed for any sampling equipment that comes in contact with the concrete. Liquids generated during this step should be collected and disposed of in designated waste container. Use a ¾-inch or 1-inch diameter masonry bit to collect a pulverized sample from the 0 to 7.5 centimeters (maximum) interval of the concrete surface (per Toxic Substances Control Act [TSCA] regulations under 40 CFR 761.286 for sampling porous surfaces). After the hole is drilled in the concrete, collect the pulverized material using a clean spatula and place the material into a sample jar (supplied by the laboratory). Clean equipment that has come in contact

with the concrete. If necessary, collect additional core samples immediately adjacent to the original sample location to obtain the required sample volume for laboratory analysis. Clean tools using the procedure described above and secure equipment in a designated location for reuse. Following completion of sampling activities, fill sample holes in the concrete using concrete patching material.

2.8.4 Concrete Floor Core Sampling for RCRA Toxicity Characteristic Constituent Analysis

The following procedure should be used for the collection of solid concrete core samples. Don appropriate personal protective equipment, including hard hat, safety glasses, steel-toed shoes, and new disposable vinyl gloves. Clean the core sample bit by wiping with a clean, disposable wipe saturated with hexane followed by a distilled water rinse. Repeat the procedure three times. This step should be followed for any sampling equipment that comes in contact with the concrete. Liquids generated during this step should be collected and disposed of in designated waste container. Use a ¾-inch or 1-inch hollow diameter masonry bit to collect a solid concrete core sample from the 0 to 7.5 centimeters interval of the concrete surface. After the hole is drilled in the concrete, remove the hollow masonry bit from the concrete and extract the core out of the devise and place the core into a sample jar (supplied by the laboratory). Clean equipment that has come in contact with the concrete. If necessary, collect additional core samples immediately adjacent to the original sample location to obtain the required sample volume for laboratory analysis. Clean tools using the procedure described above and secure equipment in a designated location for reuse. Following completion of sampling activities, fill sample holes in the concrete using concrete patching material.

2.8.5 Paint Chip Sampling

The following procedure should be used for the collection of paint chip samples. Put on clean latex/nitrile protective gloves for each new sample collection. Immediately before sampling, decontaminate the chisel blade/scraper by repeated wiping with an alconox soaked paper towel or rag, and then a hexane soaked paper towel or rag. Lightly brush off loose dirt/dust from the sample surface using a clean paper towel or rag dampened with distilled water. Care should be taken to not remove loose or flaking paint. When sampling on a vertical area position a cardboard dish directly beneath the sample area. If that is not practical, tape a piece of aluminum foil folded into the shape of a trough directly beneath the sample area to catch falling paint chips. Manually remove loose/flaking paint chips with chisel/scraper by running the chisel/scraper across the sample surface. For vertical surfaces, ensure paint chips are falling into the cardboard dish for collection. Place collected paint chip samples into sampling jar. Mark the sample ID above or next to the sample location. Remove protective gloves and dispose of used gloves in accordance with appropriate site-specific procedures.

2.8.6 Sediment and Solid Residue Sampling

The following procedure should be used for the collection of sediment and solid residue sampling. Put on clean latex/nitrile protective gloves for each new sample collection. Immediately before sampling, decontaminate the spatula/scraper by repeated wiping with an alconox soaked paper towel or rag, and then a hexane soaked paper towel or rag. Manually remove sediment/residue with spatula/scraper by running the spatula/scraper across the sample surface. Place collected sediment/residue samples into sampling jar. Mark the sample ID above or next to the sample location. Remove protective gloves and dispose of used gloves in accordance with appropriate site-specific procedures.

2.8.7 Liquid Sampling

The following activities should be used for the collection of liquid samples. Put on clean latex/nitrile protective gloves for each new sample collection. Obtain a liquid sample using one of the following procedures:

a. Place a disposable pipette in the area to be sampled. Place a finger on top of the pipette to make an airtight seal. Make sure there is no sediment/sludge in the bottom of the pipette. Remove the pipette from the sample area, place in a sample vial, and release the finger to allow liquid to fill the sample vial. Repeat procedure to obtain a full vial liquid sample. Cap and seal the sample vial. Wipe clean any excess liquid from the sample vial.

b. Place disposable tubing in the area to be sampled and connect tubing to a peristaltic pump which relays liquid to the sample vial. Make sure that all tubing is secure and will not move before turning on the pump. Pump slowly to fill sample vial. Make sure there is no sediment/sludge in the tubing. Cap and seal the sample vial. Wipe clean any excess liquid from the sample vial.

Dispose of the pipette, tubing, and gloves in appropriate containers in accordance with site-specific procedures.

2.8.8 Field Equipment Cleaning/Decontamination

The following procedure should be used for all field equipment that is used to collect samples or equipment that was in some way in contact with contaminants. All equipment should be thoroughly cleaned before moving to another sample location. Decontaminated sampling equipment that will not be used immediately or must be transported prior to use will be wrapped in aluminum foil, dull side in contact with the clean equipment surface.

Individually sealed food grade disposable scoops and spatulas, are acceptable for single time sampling use without further decontamination. Laboratory-supplied filter paper and gauze used for wipe sampling and sample collection must only be handled with decontaminated tools, sealed disposable tools, or clean Nitril gloves.

Steps for decontamination of equipment include, in conjunction with health and safety procedures in the Health and Safety Plan, decontaminate field equipment by soaking in a strong Alkanox solution in a bucket, brush to remove all residues (brush down or away from face to prevent back splash), rinse in potable water, followed by a hexane rinse, perform a second final deionized water (DI) rinse and allow to dry completely before next use.

2.8.9 Chain-of-Custody, Handling, Packing, and Shipping

The following procedure should be used for the management of samples to decrease the potential for cross-contamination, tampering, mis-identification, and breakage, and to insure that samples are maintained in a controlled environment from the time of collection until receipt by the analytical laboratory.

Steps for chain of custody procedures include; complete the chain of custody record header information by filling in the project number, project name, and the name(s) of the sampling technician(s) and other relevant project information, enter the individual sample designation on the chain of custody, list the date of sample collection (format mm/dd/yy), and list the time that the sample was collected (time value should be presented using military format). The composite field should be checked if the sample is a composite over a period of time or from several different locations and mixed prior to placing in sample containers. The grab field should be marked if the sample was collected as an individual grab sample. Any sample preservation should be noted. The analytical parameters that the samples are being analyzed for should be written legibly on the diagonal lines. As much detail as possible should be presented to allow the laboratory to properly analyze the samples, including the number of containers for each method requested, which samples should be used for site specific matrix spikes and any special project requirements. The relinquished by field should contain the signature of the sampling technician who relinquished custody of the samples to the shipping courier, followed by the date the samples were relinquished and the time.

Sample labels should include the sample type, sample identification code as well as any other sample identification information, analysis required, date, time sampled, and initials of sampling personnel, sample matrix and preservative added. The label should be covered with clear packing tape to secure the label onto the container and to protect the label from liquid. Following collection, samples must be placed on wet ice to initiate cooling to 4 °C immediately. Sealed sample containers should be placed upright in the cooler. Ice should be packaged in large re-sealable plastic bags and placed inside a large garbage bag in the cooler. All samples will be delivered by an express carrier within 48 hours of sample collection or sooner to ensure that holding times will not be exceeded. Samples must be maintained at 4 °C $\pm$ 2°C until shipment and through

receipt at the laboratory. All shipments must be in accordance with Department of Transportation regulations.

2.9 Waste Handling

Waste derived from sample collection activities will be placed in drums or other appropriate containers, and labeled as requested by, and in coordination with, GM's and RACER's requirements. Personal protective equipment will also be placed in drums. An inventory of drums containing waste materials will be maintained in accordance with site-specific requirements.

3. Laboratory Analysis Plan

Samples will be submitted to a RACER Trust-approved laboratory for analysis. Analytical procedures to be used by the laboratory for analysis of environmental samples will be based on referenced USEPA analytical protocols and the laboratory SOPs that implement these methods.

3.1 Laboratory Analytical Procedures

The laboratory shall provide laboratory preparation and analytical SOPs and the methods upon which they are based to RACER for review prior to analysis.

3.2 Quality Control Checks

3.2.1 Field QC

Assessment of field sampling precision and bias will be made by collecting field duplicates and equipment rinsate blanks for laboratory analysis. Samples will be collected in accordance with the applicable procedures in Section 2.

3.2.2 Equipment Rinsate Blanks

QC checks will include analysis of equipment rinsate blanks to validate successful equipment cleaning activities. Whenever possible, dedicated equipment will be employed to reduce the possibility of cross-contamination of samples.

The frequency of equipment rinsate blank sample preparation will be one for every 20 environmental samples. However, at a minimum, one sample will be collected each day for each type of sampling equipment on which decontamination procedures have been performed.

3.2.3 Trip Blanks

Trip blanks samples will be prepared by the project laboratory using laboratory-purified water placed within precleaned 40 milliliter (mL) VOC vials equipped with Teflon septa. Trip blanks will accompany each sample delivery group (SDG) of environmental samples collected for analysis of VOCs.

Trip blank samples will be placed along with the project samples in each cooler that stores and transports project samples to be analyzed for VOCs.

3.2.4 Field Duplicate Samples

Field duplicate samples will be collected in a similar fashion to environmental samples: at a minimum frequency of one duplicate per at least every 20 or fewer samples by matrix; at a minimum, one per sampling event. Field duplicate samples will be analyzed by the laboratory to evaluate matrix, sample, and analytical reproducibility.

3.2.5 Laboratory Procedures

The laboratory selected to perform analysis must participate in the Louisiana Environmental Laboratory Accreditation Program to ensure the accuracy, precision, and reliability of the data generated, as well as the use of the department approved methodologies in the generation of that data. The laboratory is responsible for ensuring that the scope of testing performed is in accordance with LAC 33:I.5307.D. All analytical procedures will be documented as SOPs, including QC sections that address the minimum QC requirements for the procedure. The internal QC checks may vary slightly for each individual procedure.

All data will be properly recorded by the laboratory. Any samples analyzed in nonconformance with QC criteria will be reanalyzed by the laboratory, if sufficient volume is available. Results will be reported in the Level II Standard Deliverable Format, which includes final sample results (including re-analysis and dilutions) and associated QC results as follows:

- Surrogates for organic analyses;
- Laboratory control samples (LCSs) for all analyses.

Laboratory analytical results will be provided by the laboratory in electronic (Adobe and Excel) and hard copy format.

ARCADIS

Tables

TABLE 1

RACER TRUST
SHREVEPORT ASSEMBLY AND METAL STAMPING PLANT
FACILITY ENVIRONMENTAL ASSESSMENT – SAMPLING AND ANALYSIS PLAN
AREAS OF INTEREST, OBJECTIVES AND METHODS
SHREVEPORT, LOUISIANA

Area of Interest	Objective/Approach	Proposed Sampling	Laboratory Analytical Parameters	Laboratory Analytical Methods	Sample Description	Column/Bay Location
1. Trusses	Determine if dust or oil staining may require decontamination or may pose a worker safety hazard due to the presence of metals or PCBs from historical operations	Collect a dust sample and/or wipe sample from locations with staining or accumulation	Total RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) and PCBs	USEPA SW-846 Method 6020/7471B and 8082	Brownfield Body Shop 345 – Chilled Water Pipe	T4
					Former Brownfield Body Shop 345 Outside Rack Storage – Truss area	Z24
					Powerhouse – City Water Pipe, first floor	D3
					Paint Shop – Pipe or Truss	H41
					Stamping Plant – Pipe or Truss	J3
					General Assembly – Truss	W8
					WWTP Building – Overhead Truss in High Bay Area	--
					Sludge Building – Truss at Western Property Line	AGB 28
					WWTP Pumphouse – Overhead Piping	No bay numbers
					Powerhouse – Pipe or Truss from Overhead	D3
					Solids Separator Building	--

TABLE 1

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FACILITY ENVIRONMENTAL ASSESSMENT – SAMPLING AND ANALYSIS PLAN
AREAS OF INTEREST, OBJECTIVES AND METHODS
SHREVEPORT, LOUISIANA

Area of Interest	Objective/Approach	Proposed Sampling	Laboratory Analytical Parameters	Laboratory Analytical Methods	Sample Description	Column/Bay Location
2. Concrete Slab	Determine if concrete is impacted with metals, polychlorinated biphenyls (PCBs) and volatile organic compounds (VOCs), as indicated, from historical operations	Core samples of concrete slabs	Total RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) and PCBs	USEPA SW-846 Method 6020/7471B, 8082	Press (Stamping) Basement Stamping (Scrap Metal Area) Brownfield Body Shop 345 – Battery Charging Station General Assembly	U57, W-56.5, and S55 R57 G50 and AA-7 PP17
			PCBs and Total RCRA Toxicity Characteristic Constituents	USEPA SW-846 Method 8082, 6020/7471B and 8260/8270	Sludge Building – Oil Stained Floor at Western Property Line Stamping – Die Wash Booth Powerhouse Hazardous Waste Storage Pad – Collect 2 Samples from Visibly Stained Areas Fan Farm – Exterior Perimeter Stained Concrete, pavement east of central exhaust area WWTP – Filter Cake Dumpster Room WWTP Solids Separation Building Tank Farm – Sample from stained floor in each containment 1) Purge Thinner Tank Farm 2) General Assembly Tank Farm/Bulk Storage 3) Powerhouse Tank Farm Bulk Storage	-- W63 D4 -- Exterior -- -- --

TABLE 1

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FACILITY ENVIRONMENTAL ASSESSMENT – SAMPLING AND ANALYSIS PLAN
AREAS OF INTEREST, OBJECTIVES AND METHODS
SHREVEPORT, LOUISIANA

Area of Interest	Objective/Approach	Proposed Sampling	Laboratory Analytical Parameters	Laboratory Analytical Methods	Sample Description	Column/Bay Location
3. Paint	Confirm presence/absence of lead and PCBs in paint	Collect chip samples of paint	Lead and PCBs	USEPA SW-846 Methods 6020 and 8082	Brownfield Body Shop 345 Outside Rack Storage – Truss area	M4 and Z24
					Body Shop Overflow	W9
					Powerhouse	B4
					WWTP	Any Column
					Paint Shop	H41
					Stamping Plant	J3
					General Assembly	P17
					Sludge Building	AGB28
					ELPO/Phosphate	M46
4. Ducts	Determine if dust or oil staining accumulated on ducts is impacted with regulated constituents or may present a worker hazard	Collect wipe samples from areas of accumulation or staining	Total RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) and PCBs	USEPA SW-846 Method 6020/7471B and 8082	General Assembly	X37
					Greenfield Body Shop 355	P44
					Stamping Plant (insulated duct work at column)	U55

TABLE 1

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FACILITY ENVIRONMENTAL ASSESSMENT – SAMPLING AND ANALYSIS PLAN
AREAS OF INTEREST, OBJECTIVES AND METHODS
SHREVEPORT, LOUISIANA

Area of Interest	Objective/Approach	Proposed Sampling	Laboratory Analytical Parameters	Laboratory Analytical Methods	Sample Description	Column/Bay Location
5. Conveyor gear drive motors, and grease on gear drive units	Determine if oils and grease associated with the drive mechanisms of the conveyor systems have been compromised with PCB impacted oils and grease.	Collect an oil sample and a grease sample from representative conveyor drive motor and gear drive units from each of the conveyor systems (ie Paint, ELPO, assembly, and body)	PCBs	USEPA SW-846 Method 8082	Paint Shop General Assembly – Mezzanine ELPO Greenfield Body Shop 355 Coal Conveyor House	C37 V32 -- -- --
6. Storm Sewer	Determine if sediment is present in sewers, and requires cleaning. Determine if regulated constituents are present in sediment.	Collect samples of sediment/debris accumulation in two representative manholes, downstream of plant discharge and upstream of storm water retention basin.	PCBs and Total RCRA Toxicity Characteristic Constituents	USEPA SW-846 Method 8082, 6020/7471B/200.8 and 8260/8270	North and west of storm water retention basin from Outfall 001.	Manholes that discharges to the storm water retention basin on the northeast and southwest sides
7. Process Sewer	Determine if sediment is present in sewers, and requires cleaning. Determine if regulated constituents are present in sediment.	Collect samples of sediment/debris accumulation in representative manhole(s) downstream of Process Waste sumps and upstream of WWTP.	PCBs and Total RCRA Toxicity Characteristic Constituents	USEPA SW-846 Method 8082, 6020/7471B/200.8 and 8260/8270	Process Sewer manhole (2)	Upstream from the WWTP Solids Separator Building

TABLE 1

RACER TRUST
SHREVEPORT ASSEMBLY AND METAL STAMPING PLANT
FACILITY ENVIRONMENTAL ASSESSMENT – SAMPLING AND ANALYSIS PLAN
AREAS OF INTEREST, OBJECTIVES AND METHODS
SHREVEPORT, LOUISIANA

Area of Interest	Objective/Approach	Proposed Sampling	Laboratory Analytical Parameters	Laboratory Analytical Methods	Sample Description	Column/Bay Location
8. Pits	Determine if oil or other fluids have soaked into concrete, and if any PCBs are present in oil-stained concrete.	Collect residue sample of material in pits, if present, or concrete core, wipe or bulk sample	PCBs and Total RCRA Toxicity Characteristic Constituents	USEPA SW-846 Method 8082, 6020/7471B/200.8 and 8260/8270	Pits	3 Hydraulic Elevator Pits (see locations in Item 9 below) Coal Unloading Pit
9. Elevators	Determine if hydraulic oil contains PCBs	Collect hydraulic oil samples, one per hydraulic elevator	PCBs	USEPA SW-846 Method 8082	Powerhouse Paint Shop ELPO	A3 H28 L42
10. Sump	Determine if residue is present and requires cleaning	Residue and/or liquid, if present	PCBs and Total RCRA Toxicity Characteristic Constituents	USEPA SW-846 Method 8082, 6020/7471B/200.8 and 8260/8270	Coal Pile Sump House	North of Coal Conveyor House
11. Natural Gas and Compressed Air Lines	Confirm presence/absence of PCBs	Collect grab sample of liquid or wipe sample from piping and condensate traps, up to 3 samples per each system	PCBs	USEPA SW-846 Method 8082	High Pressure Natural Gas House Paint Shop Compressed Air Paint Shop Steam Condensate	-- J24 H28

TABLE 1

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SHREVEPORT ASSEMBLY AND METAL STAMPING PLANT
FACILITY ENVIRONMENTAL ASSESSMENT – SAMPLING AND ANALYSIS PLAN
AREAS OF INTEREST, OBJECTIVES AND METHODS
SHREVEPORT, LOUISIANA

Area of Interest	Objective/Approach	Proposed Sampling	Laboratory Analytical Parameters	Laboratory Analytical Methods	Sample Description	Column/Bay Location
12. Rail road ties and ballast	Confirm presence/absence of PCBs	Collect a three-part composite sample of railroad spurs and ballast	PCBs	USEPA SW-846 Method 8082	Brownfield Body 345 Outside Northwest of SWEPCO substation (pile of ties by track)	CC9 --
13. Battery Charging Area and Hazardous Waste Accumulation Area	Determine if regulated constituents are present in concrete slab	Collect wipe or residue sample of floor of each area.	Total RCRA Toxicity Characteristic Constituents	USEPA SW-846 Method 6020/7471B and 8260/8270	General Assembly Brownfield Body Shop 345 Greenfield Body Shop 355	E17 Q16 F50
14. Quality Assurance/ Quality Control Samples	Assessment of field sampling precision and bias will be made by collecting field duplicates, rinse and trip blanks for laboratory analysis.	Collect duplicate, rinse blank and trip blank samples	PCBs and Total RCRA Toxicity Characteristic Constituents	USEPA SW-846 Method 8082, 6020/7471B and 8260/8270	Field duplicate samples will be collected at a minimum frequency of one duplicate per at least every 20 or fewer samples by matrix; at a minimum, one per sampling event. Rinse blank sample preparation will be one for every equipment item used, minimum of one per day Trip blank samples will be prepared by the laboratory and accompany each sample delivery group of environmental samples collected for analysis of VOCs or wipe sample.	Not applicable

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

TABLE 2

RACER TRUST
SHREVEPORT ASSEMBLY AND METAL STAMPING PLANT
FACILITY ENVIRONMENTAL ASSESSMENT
ANALYTICAL METHODS AND HOLD TIMES
SHREVEPORT, LOUISIANA

Analysis	Units	Method	Holding Time (Days)	Container	Preservation
Lead - Solid	mg/kg	6020	180	125 ml Plastic	HNO_3
Lead - Liquid	mg/L	200.8	180	125 ml Plastic	HNO_3
Total Metals	mg/L	6020	180	125 ml Plastic	HNO_3
Total Metals	mg/L	7471B	28	250 ml Plastic	HNO_3
Total Metals	mg/L	200.8	180	125 ml Plastic	HNO_3
Volatile Organic Compounds	mg/L	8260	14	4oz Glass	None
SemiVolatile Organic Compounds	mg/L	8270	14	4oz Glass	None
PCB List	mg/kg	8082	40	1 L -Amber	None
PCB Swab List	ug/100cm^2	8082	14	4oz Glass	None
PCB Extration(water)		3510C	7	1 L -Amber	None
PCB Clean-ups		3611B, 3630C, 3665A, 3660B			

Notes:

1. Methods listed are in accordance with USEPA SW-846.
2. mg - milligram
3. kg - kilogram
4. L - liter
5. ug - micrograms
6. cm^2 - square centimeters
7. ml - milliliter
8. oz - ounce
9. HNO_3 - Nitric Acid
10. All glassware will be precleaned, laboratory supplied glassware.

Attachment

Site Layout

N

0 3,000 6,000

SCALE: 1"=6,000'

FIRE BOOSTER PUMP HOUSE
WASTE PAD
PAINT MIX
SLUDGE BUILDING
TRANSFORMER ROOM NO. 7
CENTRAL EXHAUST
RTO
OVEN INCINERATOR
PAINT SHOP
B8 OVERFLOW
MATERIAL AREA
745T BODY SHOP
345 BODY SHOP
SWEPCO EASEMENT
SWEPCO YARD
(TRANSFORMERS OWNED AND
OPERATED BY SWEPCO)
EMPLOYEE
PARKING
WASTEWATER TREATMENT PLANT
POWER HOUSE
355 BODY SHOP
EAST
MATERIAL
STORAGE
STAMPING
STAMPING
FISHER ROAD
EL CAMINO
GENERAL
ASSEMBLY
BUILDING
LELAND ROAD
KETTERING ROAD
SEDAN ROAD
JIMMY ROAD
GMC ROAD
INDUSTRIAL LATERAL
GENERAL MOTORS BOULEVARD
INDUSTRIAL LATERAL
DRAINAGE
CANAL BAYOU
GILMER DRAINAGE
001
OUTFALL DISCHARGE
FLOW AVERAGE IS 1.2 MGD
FLOW MAXIMUM IS 40.71 MGD
STORMWATER RETENTION BASIN

LEGEND:

- BUILDING
- FENCE
- PROPERTY LINE
- SHRUBS OR FLOWERS
- UTILITY EASEMENT
- DITCH

DRAWN BY:	DRAWN DATE: 02/15/2008
PROJECT NUMBER:	BILLING GROUP:

GENERAL MOTORS VEHICLE OPERATIONS
SHREVEPORT OPERATIONS
SHREVEPORT, LOUISIANA

SITE LAYOUT

FIGURE NUMBER
D-1

ARCADIS

Appendix B

Interview Records

ARCADIS
Infrastructure · Water · Environment · Buildings

RACER Trust
Shreveport Operations
Shreveport, LA

Documentation of Communication

Date	Monday April 30, 2012
Time	1:30 p.m.
Type of Communication	Interview

ARCADIS Representative(s) Contact	Wendy White, Corri Zilio
Shreveport Contact Contact Phone #	Mr. Dallas Geisler, CHMM, Senior Environmental Engineer 318.683.9282 dallas.f.geisler@gm.com

Specific Subject Matter:

Wendy White and Corri Zilio of ARCADIS interviewed Mr. Dallas Geisler, CHMM, General Motors LLC Senior Environmental Engineer, Shreveport Operations, regarding his knowledge and available information regarding historical operations, equipment and regulated materials at the Shreveport Stamping and Assembly operations in anticipation of the termination of lease of the facility from RACER.

- Dallas' experience at the Shreveport operations dates back approximately 8 years.
- The Old 345 Body Shop ceased operations about 2 ½ years ago. Formerly an assembly line was located here that produced Hummer's and S-10 Pickup trucks, as well as other pickup trucks. Production of S-10 pickups ceased in 2002, then built Colorado and Campus trucks in 2004-2005, then built Hummers for a few years before shut-down.
- New Assembly and Stamping plants were built in 2000-2002.
- The former assembly operations in the Old 345 Body Shop were demolished and the slab left in place.
- The superstructure from these former truck assembly operations remained in place to support overhead piping.
- BS Overflow = Body Shop Overflow, temporary storage between stamping and Paint Shop
- The New Assembly and Body Shop and Stamping Plants were built on a green field (i.e., no previous structures were located here prior to GM production operations), therefore this portion of the facility is commonly referred to as "Greenfield" and the older portion of the facility is referred to as "Brownfield".
- The Wastewater Treatment Plant and Powerhouse were constructed in 1978 and later remodeled. The Powerhouse former burned coal, and a coal pile was formerly located on site. The Powerhouse was converted to natural gas, and later to landfill gas mixed with natural gas.

RACER Trust
Shreveport Operations
Shreveport, LA

Documentation of Communication

- The Stamping Plant stamps exterior panels and doors. AA presses utilize 6 or 8 dies at a time, and dies can be changed very quickly on these presses.
- No equipment was brought to Shreveport Operations from other GM plants, all equipment was new, with the exception of the Paint Shop. When the Assembly operations were upgraded in 2000-2002, a new Paint Shop was not constructed. The current Paint Shop is of 1978 vintage, with a new ELPO Building and Phosphate Building constructed in 2000-2001 and new equipment installed.
- Basements are present in the Stamping Plant associated with the AA presses, the Paint Shop also has a basement.
- Asbestos surveys have been performed at the facility. Dallas has provided all previous asbestos surveys to RACER, and these documents are not available on site at this time. Asbestos gaskets and arc chutes are known to be asbestos-containing, as well as roof flashing on the Brownfield Building. In addition, asbestos valve gaskets are present in the Powerhouse
- The plant never had PCB-containing transformers located on site.
- PCB ballasts are not known to be present at the facility. When numerous ballasts were removed from the old Body Shop, none of them were PCB ballasts.
- A lead paint survey was performed years ago, but a copy of the report is not available. Generally, Dallas indicated that the paint on structural surfaces in the Brownfield Building is lead-based paint. In the Greenfield Buildings, unleaded paint is believed to have been used.
- No historical RCRA documentation is available at the plant, only RCRA documentation for the past 8 years.
- An air tunnel from the Paint Mods is located below grade. ARCADIS can request a drawing of its location from Carl Hall.
- Carl Hall's history at the site dates back to its initial operations.
- Steam tunnels are not located at the facility. Steam lines run overhead from the Powerhouse.
- No underground storage tanks are located at the facility. All tanks are aboveground, on saddles, allowing for visual inspection of leaks.
- All CFCs are in comfort units, not production equipment. Many drinking fountains are located throughout the facility; many are not used, but CFCs remain in the units. An inventory or map of drinking fountains and smaller CFC units is not available.
- Numerous penthouses are located on the roof. Many are mechanical. Substations are also located on the roof. A Roof Plan indicating locations of these may be requested from Carl Hall.
- Conveyors are located on the roof. This equipment is associated with the older Brownfield operations. These conveyors were extended into the newer plants, but the newer portions of the conveyor are located inside the buildings instead of on top of the roof.

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Shreveport, LA

Documentation of Communication

- No regulatory issues have been associated with storm water run-off. No lead operations are believed to have been operated historically that may have discharged lead onto the roof. No known lead soldering was conducted at the plant.
- Slab was left in place for construction of new Paint Shop, ELPO Building, and Sludge Building.
- No wood floor blocks were ever located at the Shreveport Operations.
- Wastewater is transferred to the on-site Wastewater Treatment Plant via Process Sewer, which flows predominantly by gravity and also lift stations (located where???). All wastewater goes to the Solids Separator Building at the Powerhouse.
- The Shreveport Operations Storm Sewer Permit is a General Permit, and no sampling is required associated with this permit. Dallas conducts monthly sampling at Outfall 001 for BOD, COD, TSS, pH, Oil and Grease. The Outfall discharges to Gilmore (sp?) Bayou via ditch along the south side of the road.
- A storm water pond is located on site. A very healthy ecosystem is active at the pond (which includes beavers).
- No known wetlands are located on site.
- All Environmental Permits for the facility are available on EDMS from the State of Louisiana from all agencies. The Agency Inquiry Number for the plants is 3349, and the Agency Inquiry Number for the Powerhouse is 90187. No password is required. EDMS can also be searched by address.
- No radioactive sources or emitters are located on site. The possibility exists that a few smoke detectors may be present within the facility.
- Several diesel generators are located throughout the facility, to power fire pump boosters, GA Building, Powerhouse and paint areas for use under emergency conditions when no electric power is available.
- Battery banks are located on site that are associated with the Nextel. EDS manages the data system on site. Confirm ownership of back-up batteries.
- GM waste was not disposed in the landfill located on adjacent property which is owned by others.
- Paint sludge from the plant is non-hazardous.
- Air pollution control equipment includes the RTO (thermal oxidizer) and two incinerators.
- These are >8 years old.
- A fourth bank of filters was added on the new Paint Shop.
- Responsibilities for waste management and disposal at the time of shut-down have not yet been established between RACER and GM. Production operations will cease on August 29, 2012.

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- At this time, GM has not established specific equipment that it will retain or purchase from RACER. Currently GM does not own any property or equipment associated with Shreveport Operations with the exception of the Powerhouse and Wastewater Treatment Plant. Historically Duke Energy operated the Powerhouse and Wastewater Treatment Plant for GM. Approximately 1 year ago (after the GM bankruptcy), GM became owner of the Powerhouse and Wastewater Treatment Plant. ARCADIS will confirm with RACER if these buildings are to be included in the FEA.
- Production is currently operations 1 shift per day, 4 days per week.
- Production is scheduled to cease on August 29. GM staff will be on site for 90 days after production ceases. Many GM staff and UAW workers with many years experience working at Shreveport Operations have already transitioned to work at other GM plants. Many new and temporary GM employees are currently working at the facility.
- No photographs may be taken at the facility.
- Mr. Nick Tenerelli is the Powerhouse Chief, and he has 10 years or so experience working there.

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Shreveport Operations
Shreveport, LA

Documentation of Communication

Date	Wednesday May 2, 2012
Time	6:30 a.m.
Type of Communication	Interview

ARCADIS Representative(s) Contact	Wendy White, Corri Zilio
Shreveport Contact	Mr. Nick Tenerelli, Powerhouse Operator Contract Employee with
Contact Phone #	

Specific Subject Matter:

Wendy White and Corri Zilio of ARCADIS interviewed Mr., Contract Powerhouse Operator at the General Motors LLC Shreveport Operations, regarding his knowledge and available information regarding historical operations, equipment and regulated materials at the Shreveport Operations Powerhouse in anticipation of the termination of lease of the facility from RACER.

- Nicksexperience at the Shreveport Powerhouse dates back approximately 10 years.
- Mr. Temerelli provided a list of chemicals used and stored at the Powerhouse.
- Mr. Temerelli stated he had not ever inspected inside the coal conveyor building, and confirmed that rail cars had formerly unloaded coal into an in-ground pit, that was then conveyed to the top of the Powerhouse to feed the boilers.
- The coal conveyor system is no longer used.
- Boilers are fueled by natural gas and landfill gas from a nearby landfill.
- Boilers are relatively new. Boilers are lined with brick on the interior floor, and refractory along the inside walls. Details regarding the brick and refractory were unavailable during the time of the site inspection.
- Operations associated with the Powerhouse include water treatment with reverse osmosis, chiller system, weld water treatment and make-up.
- Substations at the Powerhouse include no oil-filled transformers, capacitors, or other electrical equipment.
- The cooling tower construction includes a shallow (3-foot) pit beneath its base, and a 12-foot pit for pumping water associated with the system.
- He was unaware if stacks are lined or insulated with any materials

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Shreveport, LA

Documentation of Communication

- One hydraulic elevator is located in the Powerhouse.
- Trenches are present on the 1st floor of the Powerhouse.
- Heat exchangers, boilers, pumps for weld water circulation & chilled water system, blowers.
- Mr. Nick Tenerelli is the Powerhouse Chief, and he has 10 years or so experience working here.

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Shreveport, LA

Documentation of Communication

Date	Wednesday May 2, 2012
Time	8:30 a.m.
Type of Communication	Interview

ARCADIS Representative(s) Contact	Wendy White, Corri Zilio
Shreveport Contact	Mr. Butch Godwin, Utilities Manager GM LLC
Contact Phone #	

Specific Subject Matter:

Wendy White and Corri Zilio of ARCADIS interviewed Mr. Butch Godwin, Utilities Manager for the General Motors LLC Shreveport Operations, regarding his knowledge and available information regarding historical operations, equipment and regulated materials associated with the Shreveport Operations, in particular Air Supply Houses (ASH) and Substations located on the facility roofs and also at grade, in anticipation of the termination of lease of the facility from RACER.

- Mr. Godwin provided copies of drawings showing lighting fixtures at the facility.
- Mr. Godwin showed Ms. Zilio and Ms. White a Substation and 2 ASH houses that are representative of those present throughout the facility.
- Mr. Godwin stated that he has 10 years or so experience working at Shreveport Assembly and Stamping.

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Appendix C

Document Review Summary

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DOCUMENTS REVIEWED

RACER SHREVEPORT, LA

APRIL 30 – MAY 4, 2012

Documents:

1. SPCC Plan
2. Waste Analysis Plan
3. Waste Profiles
4. RACER Marketing Brochure – RACER Property for Sale in Shreveport, LA
5. Facility Containment Program Tank List, April 4, 2011
6. Shreveport CFC Units Greater than 50 pounds
7. Shreveport Portable Fire Extinguishers
8. Powerhouse Chemical Inventory

Drawings:

1. Plan – Area #1 Lighting (Brownfield 345 Body Shop 745T Body Shop), E-29, 6-13-78
2. Plan – Area #3 Lighting (Brownfield BS Overflow), E-31, 6-19-78
3. Plan – Area #4 Lighting (Brownfield Paint Shop), E-32, 6-19-78
4. Plan Conveyor Lighting (Brownfield – Roof Body to Paint), E-33, 6-19-78
5. Plot Plan, Drawing Index & Lighting Fixture Schedule, E-1, 6-19-78
6. Symbol List, E-2, 6-19-78
7. General Assembly Stack Locations
8. Paint Shop Stack Locations
9. Shreveport Operations
10. Architectural Plans – AE1-01.
11. Architectural Plans ELPO – AE1-02
12. Architectural Plans ELPO Mezzanine AE1-M1

DOCUMENTS REVIEWED

RACER SHREVEPORT, LA

APRIL 30 – MAY 4, 2012

13. Architectural Plans Pain – AE!-L1
14. Body 345 Busway System
15. Body 355 Busway System
16. Body Shop Welder Utility Revisions
17. Civil Plans – Site Grading
18. Civil Plans CS100
19. Civil Plans
20. Fire Protection Fire Hose Extinguishers
21. General Aisle Plan ELPO-GA1-02
22. General Assembly Stack Locations
23. Main Computer Room Diagram – CR01
24. Main Supply Substation & Transformer Rooms ES6-001, ES6-002, ES6-003, ES6-004.
25. Main Supply Substation & Transformer Rooms
26. Old Body 745 Electrical EB4-005, EB4-006, EP-5007, 5EP5-008, EP5-009, EP6-001, EB6-003
27. Paint Shop Stack Locations
28. Partial Roof Plan SF1-003 through SF1-021
29. Partial Roof Plan SF1001, SF1002, SF1-010
30. Powerhouse Piping
31. Roof Decking sf3001
32. Site Survey
33. Site Utilities & Storm Sewer
34. Weld Water System
35. WWTP Piping

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Appendix D

GM CFC Inventory – Greater Than 50 Pounds

Appliance List

Tuesday, May 05, 2009, 7:50 AM

Shreveport

	Appliance Number	Type	Location	Manufacturer	Model	Serial #	Refrigerant	Charge	Date Charge Established
1	345 Paint New Chiller North	Air Cooled Chiller	345	Trane	CGAFC604AHB10CD00000000000W00	C03E04346	R-22	75 lbs 0.00 ozs	
2	345 Paint New Chiller South	Air Cooled Chiller	345	Trane	CGAFC604AHB10CD00000000000W00	C03E04345	R-22	75 lbs 0.00 ozs	
3	345 RTU / A/C no.5 Plant Cafe CTK no.1	Rooftop Unit	345	Trane	SEHC754RU466A9BD9000	C02K08891	R-22	85 lbs 0.00 ozs	
4	345 RTU / A/C no.5 Plant Cafe CTK no.2	Rooftop Unit	345	Trane	SEHC754RU466A9BD9000	C02K08891	R-22	85 lbs 0.00 ozs	
5	345 RTU-- A/C no.1 Locker Rooms CTK No.1	Rooftop Unit	345	Trane	SEHG904WW76ACBD9000	C02K08893	R-22	117 lbs 0.00 ozs	
6	345 RTU-- A/C no.1 Locker Rooms CTK No.2	Rooftop Unit	345	Trane	SEHG904WW76ACBD9000	C02K08893	R-22	117 lbs 0.00 ozs	
7	345 RTU-- A/C No.6 EDS Admin CTK No.1	Rooftop Unit	345	Trane	SEFHC554R477A8BD9000	C02K08892	R-22	59 lbs 0.00 ozs	
8	345 RTU-- A/C No.6 EDS Admin CTK No.2	Rooftop Unit	345	Trane	SEFHC554R477A8BD9000	C02K08892	R-22	59 lbs 0.00 ozs	
9	345 RTU BASF Lab	Rooftop Unit	345	Mammoth	18839-01-01	OEEBBP-602-0	R-22	122 lbs 0.00 ozs	
10	345 RTU BASF	Rooftop Unit	345	Mammoth	08EBBP602D	188390101	R-22	119 lbs 0.00 ozs	
11	345 RTU North Unit	Rooftop Unit	345	Trane	CGAA0804RD	L83G13114	R-22	180 lbs 0.00 ozs	
12	345 RTU South Unit	Rooftop Unit	345	Trane	CGACC804RN	J93582550	R-22	142 lbs 0.00 ozs	
13	345 RTU-A/C No.3 Personnel-Med. CTNo.1	Rooftop Unit	345	Trane	SEHFC554R477ABD900	C02K8889	R-22	59 lbs 0.00 ozs	
14	345 RTU-A/C No.3 Personnel-Med. CTNo.2	Rooftop Unit	345	Trane	SEHFC554R477ABD900	C02K8889	R-22	59 lbs 0.00 ozs	

Appliance List

Tuesday, May 05, 2009, 7:50 AM

Shreveport

Shreveport

	Appliance Number	Type	Location	Manufacturer	Model	Serial #	Refrigerant	Charge	Date Charge Established
15	345 RTU--A/C No.4 Admin CTK No.1	Rooftop Unit	345	Trane	SEFHC504R456AGBD900	C02K08890	R-22	52 lbs 0.00 ozs	
16	345 RTU--A/C No.4 Admin CTK No.2	Rooftop Unit	345	Trane	SEFHC504R456AGBD900	C02K08890	R-22	52 lbs 0.00 ozs	
17	355 RTU BASF-Lab Ckt#1	Rooftop Unit	355	Mammoth	-	-	R-22	55 lbs 0.00 ozs	
18	355 RTU Open Office Area	Rooftop Unit	355	Trane	SFHFC30424	C03A00333	R-22	65 lbs 0.00 ozs	
19	355 RTU-5 Kitchen Ckt No.1	Rooftop Unit	355	Trane	SFHFC404L	C03A00334	R-22	41 lbs 0.00 ozs	
20	355 RTU-5 Kitchen Ckt No.2	Rooftop Unit	355	Trane	SFHFC404L	C03A00334	R-22	41 lbs 0.00 ozs	
21	355 RTU-6 Cafeteria Ckt No.1	Rooftop Unit	355	Trane	SFHFC404L	C03A00335	R-22	41 lbs 0.00 ozs	
22	355 RTU-6 Cafeteria Ckt No.2	Rooftop Unit	355	Trane	SFHFC404L	C03A00335	R-22	41 lbs 0.00 ozs	

Shreveport Total Number of Appliances: 8

Overall Total Appliances: 8

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Appendix E

GM Aboveground Storage Tank Inventory

FACILITY CONTAINMENT PROGRAM
ABOVEGROUND STORAGE TANK LIST

Location	Name/Number	Material Stored	Tank Size	Unit of Measure	Method of Storage	Description of Material Management Practice
Powerhouse Tank Farm	#10 Spare Tank	Empty	20,000	Gallons	Tank	Secondary Containment
Powerhouse Tank Farm	#1 Tank	Gasoline	20,000	Gallons	Tank	Secondary Containment
Powerhouse Tank Farm	#2 Tank	Gasoline (Empty)	20,000	Gallons	Tank	Secondary Containment
Powerhouse Tank Farm	#3 Tank	Diesel Fuel	20,000	Gallons	Tank	Secondary Containment
Powerhouse Tank Farm	#9 Tank	Empty	20,000	Gallons	Tank	Secondary Containment
Powerhouse Tank Farm	#4 Tank	Automatic Transmission Fluid	20,000	Gallons	Tank	Secondary Containment
Powerhouse Tank Farm	#8 Tank	Empty	20,000	Gallons	Tank	Secondary Containment
Powerhouse Tank Farm	#6 Tank	Rear Axle Lube	20,000	Gallons	Tank	Secondary Containment
Powerhouse Tank Farm	#5 Tank	Power Steering Fluid	20,000	Gallons	Tank	Secondary Containment
Powerhouse Tank Farm	#7 Tank	Antifreeze	20,000	Gallons	Tank	Secondary Containment
GA Tank Farm	N65033	Brake Fluid	10,000	Gallons	Tank	Secondary Containment
GA Tank Farm	N675962	Windshield Washer Fluid	8,000	Gallons	Tank	Secondary Containment
GA West Side	PES5927	Refrigerant (R-134a)	6,565	Gallons	Tank	No Secondary Containment
Paint West Side	201301	Virgin Purge Thinner	10,000	Gallons	Tank	Secondary Containment
Paint West Side	201300, 2-29457-2	Used Purge Thinner	10,000	Gallons	Tank	Secondary Containment
Sludge Building	North	Detackification	4,000	Gallons	Tank	Secondary Containment
Sludge Building	South	Detackification	4,000	Gallons	Tank	Secondary Containment
Sludge Building	529947	Booth Control 2400	2,000	Gallons	Tank	Secondary Containment
Sludge Building	529948	Booth Control 2400	2,000	Gallons	Tank	Secondary Containment
Paint Mix Room	See Below	Paint Mix Room	See Comments	N/A	N/A	Secondary Containment @ doors
ELPO North Side	201011	ELPO Resin	12,000	Gallons	Tank	Secondary Containment
ELPO North Side	201010	ELPO Pigment	6,000	Gallons	Tank	Secondary Containment
ELPO North Side	201009	Phosphate Replenisher	6,000	Gallons	Tank	Secondary Containment
ELPO North Side	201008	Alkaline Cleaner	6,000	Gallons	Tank	Secondary Containment
ELPO North Side	N/A	ELPO Truck Unload Area	See Comments	N/A	N/A	Secondary Containment
345 Body Shop E Side	1440 Generator	Diesel Fuel	595	Gallons	Tank	Secondary Containment
345 Body Shop SE Side	1444 Generator	Diesel Fuel	595	Gallons	Tank	Secondary Containment
345 Body Shop NE Side	641868 Generator	Diesel Fuel	145	Gallons	Tank	Secondary Containment
GA South Side	A736429 Fire Pump Booster	Diesel Fuel	360	Gallons	Tank	Secondary Containment
Paint Shop SW Side	529376-1445 Generator	Diesel Fuel	595	Gallons	Tank	Secondary Containment
Paint Shop West Side	529089-1446 Fire Pump Booster	Diesel Fuel	286	Gallons	Tank	Secondary Containment
Paint Shop West Side	529382-510088 Generator	Diesel Fuel	595	Gallons	Tank	Secondary Containment
Paint Mix Building	N/A	BASF Paint Lab	55	Gallons	Drum	Satellite Accumulation
Maint Spray Booth Q18	N/A	WFG Maintenance Spray Booth Q18	55	Gallons	Drum	Satellite Accumulation
Paint Shop Mods 1 & 2 E24	N/A	Thinner	55	Gallons	Drum	Satellite Accumulation
Paint Shop Mods 3 & 4 C24	N/A	Thinner	55	Gallons	Drum	Satellite Accumulation
Paint Shop Gun Repair D27	N/A	Thinner	55	Gallons	Drum	Satellite Accumulation
Paint	N/A	Aerosol Can Collection K20	55	Gallons	Drum	Satellite Accumulation
Powerhouse Tank Farm	N/A	Bulk Fluid Tank Farm	55	Gallons	Drum	Satellite Accumulation
	N/A	General Assembly Tank Farm	55	Gallons	Drum	Satellite Accumulation
Paint Shop Mod 2 D25	N/A	Thinner	55	Gallons	Drum	Satellite Accumulation
Paint Shop Mod 3 D25	N/A	Thinner	55	Gallons	Drum	Satellite Accumulation
345 Body Shop	N/A	Aerosol Can Collection AA2	55	Gallons	Drum	Satellite Accumulation
WFG Maintenance	N/A	Aerosol Can Collection Q18	55	Gallons	Drum	Satellite Accumulation
345 Body Shop	N/A	Map Gas Can Collection AA2	55	Gallons	Drum	Satellite Accumulation
Stamping Plant	N/A	Aerosol Can Collection U54	55	Gallons	Drum	Satellite Accumulation
GA Haz Solvent T7	N/A	Haz Solvent	55	Gallons	Drum	Satellite Accumulation
GA Gasoline W36	N/A	Gasoline	55	Gallons	Drum	Satellite Accumulation
GA Gasoline BB25	N/A	Gasoline	55	Gallons	Drum	Satellite Accumulation
GA Haz Solvent BB33	N/A	Haz Solvent	55	Gallons	Drum	Satellite Accumulation
Old Trim Shop	Shipping & Recieving Dock	Various Totes & Drums	See Comments	N/A	N/A	Secondary Containment @ doors
Administration Building	Cafeteria	Cooking Grease	~100	Gallons	Trap	Indoor Accumulation

FACILITY CONTAINMENT PROGRAM
ABOVEGROUND STORAGE TANK LIST

Location	Name/Number	Material Stored	Tank Size	Unit of Measure	Method of Storage	Description of Material Management Practice
Administration Building	Cafeteria	Cooking Grease	~100	Gallons	Trap	Indoor Accumulation
Body Shop / GA	Cafeteria	Cooking Grease	~100	Gallons	Trap	Outdoor Accumulation
Drum Pad West Side	Drum Crusher	Drum Crushing Operations	See Comments	N/A	N/A	<90 day accumulation
Drum Pad West Side	N/A	Drum Pad Operation	See Comments	N/A	N/A	<90 day accumulation
345 Body Shop W-15	Vickers Hyd Unit 100007376	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop AA-17	Vickers Hyd Unit 100007413	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop AA-14	Vickers Hyd Unit 100007414	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop W-9	Vickers Hyd Unit 105345	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop W-9	Vickers Hyd Unit 105346	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop W-9	Vickers Hyd Unit 105347	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop W-9	Vickers Hyd Unit 105348	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop AA-7	Vickers Hyd Unit 105804	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop AA-7	Vickers Hyd Unit 105805	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop AA-7	Vickers Hyd Unit 105806	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop AA-7	Vickers Hyd Unit 105807	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop Y-15	Vickers Hyd Unit 106388	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop AA-15	Vickers Hyd Unit 07F-96101-01	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop AA-17	Vickers Hyd Unit 07F-96101-02	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop W-15	Vickers Hyd Unit 106117	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop Q-45	Parker Hyd Unit 100394	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop M-44	Parker Hyd Unit 100418	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop H-39	Parker Hyd Unit 100468	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop G-39	Parker Hyd Unit 100471	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop P-41	Parker Hyd Unit 100510	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop M-41 E	Parker Hyd Unit 101223	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop P-44	Parker Hyd Unit 101224	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop NW Side	3067386 Compactor	Hydraulic Oil	~100	Gallons	Tank	Outdoors w/Drip Pan
355 Body Shop N-41	Parker Hyd Unit 101925	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop N-41	Parker Hyd Unit 101926	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop N-41	Parker Hyd Unit 101927	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop N-41	Parker Hyd Unit 101928	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop P-38	Parker Hyd Unit 101929	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop P-38	Parker Hyd Unit 101930	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop P-38	Parker Hyd Unit 101931	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop P-38	Parker Hyd Unit 101932	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop J-40	Parker Hyd Unit 83295	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop H-40	Parker Hyd Unit 83295	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop K-39	Parker Hyd Unit 100750	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 Body Shop K-39	Parker Hyd Unit 100783	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
355 BS Northwest Side	Generator N-749011	Diesel Fuel	~250	Gallons	Tank	Indoors
355 BS Northwest Side	Auxillary Tank A-712056	Diesel Fuel	~700	Gallons	Tank	Secondary Containment
GA V-32	Brake Fluid Processor T-69605 Main Degas Tank	Brake Fluid	>50	Gallons	Tank	Indoors w/Drip Pan
GA V-32	Brake Fluid Processor T-69605-1 Scavenge Tank	Brake Fluid	>50	Gallons	Tank	Indoors w/Drip Pan
GA V-32	Brake Fluid Processor T-69605-2 Scavenge Tank	Brake Fluid	>50	Gallons	Tank	Indoors w/Drip Pan
GA W-35	Facet Fuel Recovery Unit 300501	Gasoline / Water	50 / 50	Gallons	Tank	Indoors w/Drip Pan
U-31-32 Mezzanine	T-71813-1	Automatic Transmission Fluid	80	Gallons	Tank	Indoors w/Drip Pan
U-31-32 Mezzanine	T-71813-2	Automatic Transmission Fluid	80	Gallons	Tank	Indoors w/Drip Pan
U-31-32 Mezzanine	T-71813-3	Automatic Transmission Fluid	80	Gallons	Tank	Indoors w/Drip Pan
U-31-32 Mezzanine	T-89493-1	Antifreeze	200	Gallons	Tank	Indoors w/Drip Pan

FACILITY CONTAINMENT PROGRAM
ABOVEGROUND STORAGE TANK LIST

Location	Name/Number	Material Stored	Tank Size	Unit of Measure	Method of Storage	Description of Material Management Practice
U-31-32 Mezzanine	T-89493-2	Antifreeze	200	Gallons	Tank	Indoors w/Drip Pan
U-31-32 Mezzanine	T-89493-3	Antifreeze	200	Gallons	Tank	Indoors w/Drip Pan
U-31-32 Mezzanine	T-89225-1	Power Steering Fluid	80	Gallons	Tank	Indoors w/Drip Pan
U-31-32 Mezzanine	T-89225-2	Power Steering Fluid	80	Gallons	Tank	Indoors w/Drip Pan
U-31-32 Mezzanine	T-89225-3	Power Steering Fluid	80	Gallons	Tank	Indoors w/Drip Pan
GA KK-17	Axle Fill Equipment T-71809-1, 300320	Axle Lube	80	Gallons	Tank	Indoors w/Drip Pan
GA KK-17	Axle Fill Equipment T-71809-2, 300325	Axle Lube	80	Gallons	Tank	Indoors w/Drip Pan
GA NE Side	3067387 Compactor	Hydraulic Oil	~100	Gallons	Tank	Outdoors w/Drip Pan
GA SE Side	03067385 Compactor	Hydraulic Oil	~100	Gallons	Tank	Outdoors w/Drip Pan
GA West Side	Generator N-749012	Diesel Fuel	~250	Gallons	Tank	Indoors
GA West Side	Auxillary Tank A-712057	Diesel Fuel	~700	Gallons	Tank	Secondary Containment
Paint Shop H-29 Basement	Dover Elevator FC4147 East	Hydraulic Oil	~250	Gallons	Tank	No Secondary Containment
Paint Shop H-29 Basement	Dover Elevator FC4147 West	Hydraulic Oil	~250	Gallons	Tank	No Secondary Containment
Paint Mix Room	529058	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529059	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529061	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529062	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529063	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529064	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529065	Thinner	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529066	Thinner	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529067	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529068	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529069	Thinner	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529070	Thinner	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529071	Dormant	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529072	Dormant	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529073	Dormant	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529074	Dormant	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529075	Dormant	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529076	Dormant	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529077	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529078	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529079	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529080	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529081	Thinner	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529082	Thinner	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529172	Thinner	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529173	Thinner	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529174	Paint	250	Gallons	Tank	Secondary Containment
Paint Mix Room	529175	Paint	250	Gallons	Tank	Secondary Containment
Paint Mix Room	529176	Thinner	250	Gallons	Tank	Secondary Containment
Paint Mix Room	529177	Thinner	250	Gallons	Tank	Secondary Containment
Paint Mix Room	529178	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529179	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529180	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529181	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529182	Thinner	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529183	Thinner	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529184	Thinner	112	Gallons	Tank	Secondary Containment

FACILITY CONTAINMENT PROGRAM
ABOVEGROUND STORAGE TANK LIST

Location	Name/Number	Material Stored	Tank Size	Unit of Measure	Method of Storage	Description of Material Management Practice
Paint Mix Room	529185	Thinner	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529186	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529187	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529188	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529189	Paint	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529190	Dormant	112	Gallons	Tank	Secondary Containment
Paint Mix Room	529191	Dormant	112	Gallons	Tank	Secondary Containment
Stamping W-58	Blank Washer East	Drawing Compound	~300	Gallons	Tank	Indoors w/Drip Pan
Stamping U-58	Blank Washer West	Drawing Compound	~301	Gallons	Tank	Indoors w/Drip Pan
Stamping S-57.5 Basement	Cushion Oil Hyd	Hydraulic Oil	~60	Gallons	Tank	Indoors w/Drip Pan
Stamping U-57.5 Basement	Cushion Oil Hyd	Hydraulic Oil	~61	Gallons	Tank	Indoors w/Drip Pan
Stamping S-58 Mezzanine	Destacker	Hydraulic Oil	150	Gallons	Tank	Indoors w/Drip Pan
Stamping W-58 Mezzanine	Destacker	Hydraulic Oil	150	Gallons	Tank	Indoors w/Drip Pan
Stamping U-57 Basement	MFPU 13787 Hyd	Hydraulic Oil	~60	Gallons	Tank	Indoors w/Drip Pan
Stamping S-57 Basement	MFPU 13788 Hyd	Hydraulic Oil	~61	Gallons	Tank	Indoors w/Drip Pan
Stamping U-56.5 Basement	RHM-80-JD5964	Hydraulic Oil	80	Gallons	Tank	Indoors w/Drip Pan
Stamping S-56.5 Basement	RHM-80-VA3770	Hydraulic Oil	80	Gallons	Tank	Indoors w/Drip Pan
Stamping S-57 Basement	RHM-900-VA3757	Hydraulic Oil	900	Gallons	Tank	Indoors w/Drip Pan
Stamping U-57 Basement	RHM-926-JD5996	Hydraulic Oil	926	Gallons	Tank	Indoors w/Drip Pan
Stamping U-64.5	Schuler Press 531065	Hydraulic Oil	~150	Gallons	Tank	Indoors w/Drip Pan
Stamping S-56 Basement	Viatec Used Oil Tank	Used Oil	~594	Gallons	Tank	Indoors w/Sump
Old Trim Shop	529927 Compactor	Hydraulic Oil	~200	Gallons	Tank	No Secondary Containment
Old Trim Shop	529926 Compactor	Hydraulic Oil	~200	Gallons	Tank	No Secondary Containment
Powerhouse North Side	Fire Pump Booster	Diesel Fuel	286	Gallons	Tank	Secondary Containment
GA Final W-23	300331 ATF Top Off	ATF	<50	Gallons	Tank	Indoors w/Drip Pan
GA Final W-23	300337 ATF Top Off	ATF	<50	Gallons	Tank	Indoors w/Drip Pan
345 Body Shop Y-17	Vickers Hyd Unit 191301	Hydraulic Oil	~100	Gallons	Tank	Indoors w/Drip Pan
Powerhouse/WWTP	Sulfuric Acid Tank	Sulfuric Acid	5,000	Gallons	Tank	Secondary Containment
Powerhouse/WWTP	Caustic Soda Tank	Caustic Soda	5,000	Gallons	Tank	Secondary Containment
Powerhouse	Emergancy Generator Tank	Diesel Fuel	500	Gallons	Tank	Secondary Containment
Powerhouse	Food Grade Brine Tank	Brine (food grade)	20,000	Gallons	Tank	No Secondary Containment
Powerhouse/WWTP	Used Oil Collection Tank	Used OIl	500	Gallons	Tank	Indoors w/Sump
Powerhouse/WWTP	WW Tank 125 A	Wastewater	~10,000	Gallons	Tank	Indoors w/Sump
Powerhouse/WWTP	WW Tank 125 B	Wastewater	~10,000	Gallons	Tank	Indoors w/Sump
WWTP	General Waste Tank 1	Wastewater	500,000	Gallons	Tank	Secondary Containment
WWTP	General Waste Tank 2	Wastewater	500,000	Gallons	Tank	Secondary Containment
WWTP	General Waste Tank 3	Wastewater	500,000	Gallons	Tank	Secondary Containment
WWTP	ELPO Holding Tank 1	Wastewater	100,000	Gallons	Tank	Secondary Containment
WWTP	ELPO Holding Tank 2	Wastewater	100,000	Gallons	Tank	Secondary Containment
WWTP	Clarifier Blend Tank	Wastewater	10,500	Gallons	Tank	Secondary Containment
WWTP	Clarifier 1	Wastewater	400,000	Gallons	Tank	Secondary Containment
WWTP	Clarifier 2	Wastewater	400,000	Gallons	Tank	Secondary Containment
WWTP	Sludge Thickener Tank 107	Wastewater	55,000	Gallons	Tank	Secondary Containment
WWTP	Sludge Conditioning Tank	Wastewater	2,500	Gallons	Tank	Secondary Containment
WWTP	Sludge Gondola	Sludge/Filter Cake	25	TD^3	Box	Indoors w/Sump
WWTP	Sludge Gondola	Sludge/Filter Cake	25	TD^3	Box	Indoors w/Sump
Drum Pad West Side	Mixed Industrial Waste	Mixed Industrial Waste	25	TD^3	Box	Secondary Containment
Drum Pad West Side	Waste Paint Sludge	Paint Sludge	25	TD^3	Box	Secondary Containment
Drum Pad West Side	Rags and Refuse	Rags and Refuse	25	TD^3	Box	Secondary Containment

FCP Tank # Volume I	FCP Tank # Volume II	Tank Number	Material	Tank Size	Unit of Measure	Method of Storage	Description of Material Management Practice	Comments
1		100	Gasoline	20,000	Gallons	Tank	Secondary Containment	
2		101	Gasoline	20,000	Gallons	Tank	Secondary Containment	
3		102	Diesel Fuel	20,000	Gallons	Tank	Secondary Containment	
4		103	Engine Oil	20,000	Gallons	Tank	Secondary Containment	
5		104	Automatic Transmission Fluid	20,000	Gallons	Tank	Secondary Containment	
6		105	Manual Transmission Fluid	20,000	Gallons	Tank	Secondary Containment	
7		106	Rear Axle Lube	20,000	Gallons	Tank	Secondary Containment	
8		107	Power Steering Fluid	20,000	Gallons	Tank	Secondary Containment	
9		108	Antifreeze	20,000	Gallons	Tank	Secondary Containment	
10		200	Brake Fluid	10,000	Gallons	Tank	Secondary Containment	
11		201	Windshield Washer Fluid	8,000	Gallons	Tank	Secondary Containment	
12		202	Refrigerant (R-134a)	6,565	Gallons	Tank	No Secondary Containment	
13		300	Virgin Purge Thinner	10,000	Gallons	Tank	Secondary Containment	
14		301	Used Purge Thinner	10,000	Gallons	Tank	Secondary Containment	
15		302	Detackification 2100	4,000	Gallons	Tank	Secondary Containment	
16		303	Detackification 2100	4,000	Gallons	Tank	Secondary Containment	
17		304	Booth Control 2400	2,000	Gallons	Tank	Secondary Containment	
18		305	Booth Control 2400	2,000	Gallons	Tank	Secondary Containment	
19		306	Paint Mix Room	See Comments	N/A	N/A	Secondary Containment @ doors	Various totes/drums, inside storage
20		307	ELPO Resin	12,000	Gallons	Tank	Secondary Containment	
21		308	ELPO Pigment	6,000	Gallons	Tank	Secondary Containment	
22		309	Phosphate Replenisher	6,000	Gallons	Tank	Secondary Containment	
23		310	Alkaline Cleaner	6,000	Gallons	Tank	Secondary Containment	
24		311	ELPO Truck Unload Area	See Comments	N/A	N/A	Secondary Containment	Truck unload for tanks 307, 308, 309, 310
25		400	West Booster Fire Pump 1446		Gallons	Tank	Secondary Containment	
26		401	North Booster Fire Pump		Gallons	Tank	Secondary Containment	
27		402	South Booster Fire Pump		Gallons	Tank	Secondary Containment	
28		403	Emergency Diesel Generator Tank 4		Gallons	Tank	Secondary Containment	
29		404	Emergency Diesel Generator Tank 5		Gallons	Tank	Secondary Containment	
30		405	Emergency Diesel Generator Tank 6		Gallons	Tank	Secondary Containment	
31		406	Emergency Diesel Generator Tank 7		Gallons	Tank	Secondary Containment	
32		502	BASF Paint Lab	55	Gallons	Drum	Satellite Accumulation	30' from doorway, in flammable cabinet
33		503	WFG Maintenance Spray Booth Q18	55	Gallons	Drum	Satellite Accumulation	30' from doorway, curbing @ door
34		504	Mods 1 & 2 E24	55	Gallons	Drum	Satellite Accumulation	>75' from doorway
35		505	Mods 3 & 4 C24	55	Gallons	Drum	Satellite Accumulation	>75' from doorway
36		506	Paint Gun Repair D27	55	Gallons	Drum	Satellite Accumulation	>75' from doorway
37		507	Aerosol Can Collection K20	55	Gallons	Drum	Satellite Accumulation	>75' from doorway
38		508	Bulk Fluid Tank Farm	55	Gallons	Drum	Satellite Accumulation	inside truck unload containment
39		509	General Assembly Tank Farm	55	Gallons	Drum	Satellite Accumulation	inside truck unload containment
	39 (1)	510	Mod 2 Haz Solvent D25 West	55	Gallons	Drum	Satellite Accumulation	>75' from doorway
	40 (2)	511	Mod 3 Haz Solvent D25 East	55	Gallons	Drum	Satellite Accumulation	>75' from doorway

FCP Tank # Volume I	FCP Tank # Volume II	Tank Number	Material	Tank Size	Unit of Measure	Method of Storage	Description of Material Management Practice	Comments
	41 (3)	512	Aerosol Can Collection AA2	55	Gallons	Drum	Satellite Accumulation	>50' from doorway
	42 (4)	513	Aerosol Can Collection Q18	55	Gallons	Drum	Satellite Accumulation	30' from doorway, curbing @ door
	43 (5)	514	Map Gas Can Collection AA2	55	Gallons	Drum	Satellite Accumulation	>75' from doorway
	44 (6)	515	Aerosol Can Collection S59	55	Gallons	Drum	Satellite Accumulation	~150' from doorway
	45 (7)	516	GA Haz Solvent T7	55	Gallons	Drum	Satellite Accumulation	>30' from doorway
	46 (8)	517	GA Gasoline W36	55	Gallons	Drum	Satellite Accumulation	>100' from doorway
	47 (9)	519	GA Gasoline BB25	55	Gallons	Drum	Satellite Accumulation	`10' from doorway, on palletainer
	48 (10)	518	GA Haz Solvent BB33	55	Gallons	Drum	Satellite Accumulation	~20' from doorway, in flammable cabinet
	49 (11)	520	Shipping & Recieving Dock	See Comments	N/A	N/A	Secondary Containment @ doors	Various totes/drums, inside
	50 (12)	521	Cafeteria Grease Old Cafeteria	~100	Gallons	Trap	Indoor Accumulation	Vacuumed Quarterly
	51 (13)	522	Cafeteria Grease Old Cafeteria	~100	Gallons	Trap	Indoor Accumulation	Vacuumed Quarterly
	52 (14)	523	Cafeteria Grease New Cafeteria	~100	Gallons	Trap	Outdoor Accumulation	Vacuumed Quarterly
	53 (15)	524	Drum Crushing Operations	See Comments	N/A	N/A	<90 day accumulation	Various totes/drums, outside covered
	54 (16)	525	Drum Pad Operation	See Comments	N/A	N/A	<90 day accumulation	Various totes/drums, outside covered

Legend		
	Powerhouse	100
	General Assembly	200
	Purge (Paint Shop)	300
	Diesel	400
	Other	500

ARCADIS

Appendix F

GM Portable Fire Extinguisher Inventory

EXTINGUISHERS

MONTHLY INSPECTION

Assigned To: _____ **Date Assigned:** _____ **Date Completed:** _____

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NUMBER, DESIGNATION, OR LOCATION	EXTINGUISHER NO.	ACCESSIBLE, VISIBLE & PROPERLY HUNG	OPERATING INSTRUCTIONS LEGIBLE & FACING OUTWARD	SEAL & PIN OR TAMPER IN PLACE	WEIGH OR HEFT EXTINGUISHER	PRESSURE IN NORMAL RANGE (If Applicable)	IS EXTINGUISHER DAMAGED (Including Hose)	HMIS LABEL IN PLACE	LAST HYDRO-STATIC TEST DATE	COMMENTS
A 16.5	AA00025				20 LBS.					
A 17.5	AA00133				20 LBS.					
A 19.5	AA00895				20 LBS.					
A 22	AA00228				20 LBS.					
A 24.5	AA00102				20 LBS.					
A 29.5	AA00223				20 LBS.					
A 31	AA00239				20 LBS.					
A 34	AA00218				20 LBS.					
A 37	AA00384				20 LBS.					
A 40.5	AA00304				20 LBS.					
A 43.5	AA01240				20 LBS.					
A 46	AA00112				20 LBS.					
B 16	AA00047				20 LBS.					
B 18	AA00537				20 LBS.					
B 20	AA00995				20 LBS.					

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B/C 21	AA00977				20 LBS.					
B 22	AA00251				20 LBS.					
B/C 23.5	AA00568				20 LBS.					
B 24	AA01111				20 LBS.					
B 27	AA00379				20 LBS.					
B 30	AA00297				20 LBS.					
B 31	AA00816				20 LBS.					
B 46	AA00196				20 LBS.					
B 49	AA00145				20 LBS.					
C 16	AA00063				20 LBS.					
C/D 21	AA00969				20 LBS.					
C 23	AA00273				20 LBS.					
C 24 UP STAIRS	AA00266				20 LBS.					
C 26	AA00367				20 LBS.					
C 26 UP STAIRS	AA00032				20 LBS.					
C 27 UP STAIRS	AA00107				20 LBS.					

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C 29	AA00382				20 LBS.					
C 31	AA00688				20 LBS.					
C 35	AA00059				20 LBS.					
C 39	AA00079				20 LBS.					
C 43	AA00144				20 LBS.					
C 45	AA00201				20 LBS.					
C 47	AA00080				20 LBS.					
D/E 18	AA00087				20 LBS.					
D 20	AA01163				20 LBS.					
D 21	AA00116				20 LBS.					
D/E 22	AA00957				20 LBS.					
D 23	AA00971				20 LBS.					
D 23 UP STAIRS	AA00812				20 LBS.					
D 27 UP STAIRS	AA00346				20 LBS.					
D 25	AA00072				20 LBS.					
D 26 UP STAIRS	AA00587				20 LBS.					

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D 27	AA00164				20 LBS.					
D 27 UP STAIRS	AA00346				20 LBS.					
D 29	AA00810				20 LBS.					
D 31	AA00177				20 LBS.					
D 36	AA00378				20 LBS.					
D 41	AA00806				20 LBS.					
D/E 42 S	AA00590				10 LBS.					
D/E 42.5 S	BB0126				10 LBS.					
D/E 43.5 S	AA00254				20 LBS.					
D 49	AA00240				20 LBS.					
D/E 46 N	AA00186				20 LBS.					
E 20	AA00808				20 LBS.					
E/F 22	AA00920				20 LBS.					
E 23	AA00805				20 LBS.					
E 27	AA00509				20 LBS.					
E 42	AA00120				20 LBS.					

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E 44	AA00100				20 LBS.					
E 47	AA00097				20 LBS.					
E/F 47.5	AA00088				20 LBS.					
ELEVATOR	AA00175				10 LBS.					
F 17.7	AA00152				20 LBS.					
F/G 19.5	AA00060				20 LBS.					
F 24	AA00231				20 LBS.					
F 25 UP STAIRS	AA00031				20 LBS.					
F 26	AA00150				20 LBS.					
F 27 UP STAIRS	AA00183				20 LBS.					
F/G 29	AA00173				20 LBS.					
F 29	AA00170				20 LBS.					
F 31	AA00184				20 LBS.					
F 36	AA00036				20 LBS.					
F 40	AA00066				20 LBS.					

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F 43	AA00156				20 LBS.					
F/G 47	AA00083				20 LBS.					
G 20	AA00348				20 LBS.					
G 22	AA00004				20 LBS.					
G 23.5	AA00924				20 LBS.					
G 25	AA00103				20 LBS.					
G 27	AA00300				20 LBS.					
G 29	AA00149				20 LBS.					
G 30	AA00373				20 LBS.					
G 34	AA00074				20 LBS.					
G 39	AA00131				20 LBS.					
G/H 46.5	AA00951				20 LBS.					
G 49	AA00587				20 LBS.					
H 27.5	AA00016				20 LBS.					
H 27 ELEVATOR	AA00813				10 LBS					
H 29 WEST	AA00175				20 LBS.					
H 45	AA00095				20 LBS.					
H 47	AA00073				20 LBS.					
H-29	AA00815				20 LBS.					

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PAINT OFFICE EAST	AA02025				20 LBS.					
PAINT OFFICE WEST	AA00905				20 LBS.					
J 24	AA00598				20 LBS.					
J 27	BB0181				20 LBS.					
J 33	AA00009				20 LBS.					
K 20	AA00047				20 LBS.					
K/L 22	AA00588				20 LBS.					
K 23	AA00136				20 LBS.					
L 22	AA01219				20 LBS.					
L 29	AA00597				20 LBS.					
L 33	AA00002				20 LBS.					
L 41	AA00053				20 LBS.					
Elpo Pump House	AA00544				20 LBS					

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EXTINGUISHERS

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B 21.5 BASEMENT	AA00106				20 LBS.					
B 22 BASEMENT	AA00208				20 LBS.					
D/E 21.5 BASEMENT	AA00340				20 LBS.					
E 24.5 BASEMENT	AA00213				20 LBS.					
E 28 BASEMENT	AA00105				20 LBS.					
G 25.5 BASEMENT	AA00253				20 LBS.					
G 27 BASEMENT	AA00956				20 LBS.					
G 29 BASE IN DOOR	AA00113				20 LBS.					
G 29 BASEMENT	AA00022				20 LBS.					
B/C 34 OVEN PLT	AA00185				20 LBS.					
B/C 37 OVEN PLT	AA00081				20 LBS.					
B/C 40.5 OVEN PLT	AA00971				20 LBS.					
D/E 31.5 OVNPLT	AA00256				20 LBS.					
D/E 37 OVNPLT	AA00896				20 LBS.					
F 36 OVEN PLT	AA00157				20 LBS.					
F 41 OVEN PLT	AA00154				20 LBS.					

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1 L 22	AA01219				20 LBS.					
1L 25	AA00110				20 LBS.					
1 L 27.5	AA00212				20 LBS.					
1 L 31	AA00258				20 LBS.					
1 L 34.5	AA00285				20 LBS.					
1 L 38	AA00513				20 LBS.					
1 L 41.5	AA00396				20 LBS.					
1 L 45.5	AA00989				20 LBS.					
1 M 19N	AA00354				20 LBS.					
1 M 24	AA00898				20 LBS.					
1 M 30.5	AA00069				20 LBS.					
1 M 33.5	AA00392				20 LBS.					
1 M 38	AA00394				20 LBS.					
1 M 41.5	AA00397				20 LBS.					
1 M 45N	AA00406				20 LBS.					
1 M 27.5	AA00393				20 LBS					

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1.5 L 19	AA00077				20 LBS.					
1.5 L 22.5	AA00996				20 LBS.					
1.5 M 20.5	AA00993				20 LBS.					
Process mezz	xxxxxxxxxxx	xxxxxxxx	xxxxxxxx	xxxxx	xxxxxxxxx	xxxxxxxx	xxxxxxxxxx	xxx	xxxxx	xxxxxxxxxxxxxxx
L/M 29.5	AA00033				20 LBS.					
L/M 33	AA00043				20 LBS.					
L/M 37	AA00050				20 LBS.					
L/M 40.5	AA0085				20 LBS.					
L/M 43	AA00124				20 LBS.					
Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx					20 LBS.	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx				
2 L 18	AA01198				20 LBS.					
2 L 23	AA01227				20 LBS.					
2 L 27	AA00529				20 LBS.					
2 L 38	AA01145				20 LBS.					
2 L 45	AA001217				20 LBS.					
2 L/M 29.5 STAIRS	AA00562				20 LBS.					
2 M 23	AA00172				20 LBS.					
ELPO ELEVATOR	AA0350				20 LBS					

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2 M 27	**AA00020**				**20 LBS.**					
2 M 34.5	**AA00558**				**20 LBS.**					
2 M 41.5	**AA00545**				**20 LBS.**					
2 L/M 34.5 OVN PLT	**AA00979**				**20 LBS.**					
2 L/M 38 OVN PLT	**AA00972**				**20 LBS.**					
2 L/M 43 OVN PLT	**AA00817**				**20 LBS.**					
2.5 L 18.5	**AA00994**				**20 LBS.**					
2.5 L 22.5	**AA00623**				**20 LBS.**					
2.5 L 26	**AA00974**				**20 LBS.**					
2.5 L/M 29.5 STAIRS	**AA00171**				**20 LBS.**					
2.5 M 22.5	**AA00027**				**20 LBS.**					
2.5 M 26.5	**AA00232**				**20 LBS.**					
2 M 27	AA00296				20 LBS.					

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A/C - A/D 22	AA00236				20 LBS.					
A/C 23	AA00225				20 LBS.					
A/D 24	AA00220				20 LBS.					
A/E 19 BASF LAB	AA00215				20 LBS.					
A/E - A/F 20	AA00210				20 LBS.					
A/E 21.5	AA00195				20 LBS.					
A/E 23	AA00235				20 LBS.					
A/F 19	AA00204				20 LBS.					
A/F 20	AA00224				20 LBS.					
A/F 21.5	AA00219				20 LBS.					
A/F 22	AA00055				20 LBS.					
A/F 23 - 24	AA00209				20 LBS.					
A/F - A/E 24.5	AA00194				20 LBS.					
A/G 23	AA00028				20 LBS.					
A/H 19.5	AA00188				20 LBS.					
A/H 20.5	AA00182				20 LBS.					
A/H 24	AA00193				20 LBS.					
paintmix cntrl rm	AA00960				10 LBS					

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CAT WALKS ABOVE CLEAN ROOM	XXXXXXXXX	XXXXXXXXX	XXXXXXXXXX	XXXXXXX	XXXXXXXXX	XXXXXXXXX	XXXXXXXXXXXX	XXXX	XXXXX	XXXXXXXXXXXXXXXXX
CAT WALK C # 1	**AA00126**				**20 LBS.**					
CAT WALK D # 1	**AA00138**				**20 LBS.**					
CAT WALK D # 2	**AA00038**				**20 LBS.**					
CAT WALK E # 1	**AA00090**				**20 LBS.**					
CAT WALK F # 1	**AA00211**				**20 LBS.**					
On Roof	XXXXXXXXX	XXXXXXXXX	XXXXXXXXXX	XXXXXXX	XXXXXXXXX	XXXXXXXXX	XXXXXXXXXXXX	XXXX	XXXXX	XXXXXXXXXXXXXXXXX
STEAM RM L21 # 1	**AA00363**				**20 LBS.**					
STEAM RM L21 # 2	**AA00542**				**20 LBS.**					
P PRIME ASH # 1	**BB0096**				**10 LBS.**					
P PRIME ASH # 2	**BB0050**				**20 LBS.**					
P PRIME ASH # 3	**AA01130**				**20 LBS.**					
MOD 1 ASH # 1	**AA01131**				**10 LBS.**					
MOD 1 ASH # 2	**BB0053**				**20 LBS.**					
MOD 1 ASH # 3	**BB0093**				**10 LBS.**					
TRANS RM 5	**AA00601**				**10 LBS.**					
TRANS RM 5	**BB0092**				**10 LBS.**					

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On Roof	XXXXXXXXX	XXXXXXXXX	XXXXXXXXXX	XXXXXXX	XXXXXXXXX	XXXXXXXXX	XXXXXXXXXXXX	XXXX	XXXXX	XXXXXXXXXXXXXXXXXX
MOD 2 ASH # 1	**AA00495**				**20 LBS.**					
MOD 2 ASH # 2	**AA00359**				**20 LBS.**					
MOD 2 ASH # 3	**AA00189**				**20 LBS.**					
MOD 3 ASH # 1	**AA00178**				**20 LBS.**					
MOD 3 ASH # 2	**AA00175**				**20 LBS.**					
MOD 3 ASH # 3	**AA00180**				**20 LBS.**					
MOD 4 ASH # 1	**AA00158**				**20 LBS.**					
MOD 4 ASH # 2	**AA01238**				**20 LBS.**					
MOD 4 ASH # 3	**AA00229**				**20 LBS.**					
MOD 4 ASH # 4	**BB0023**				**10 LBS.**					
MOD 4 ASH # 5	**AA00187**				**20 LBS.**					
TRANS RM 6	**AA00477**				**10 LBS.**					
TRANS RM 6	**AA00953**				**10 LBS.**					

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2 A 17	AA00333				20 LBS.					
2 A/B 21	AA00940				20 LBS.					
2 A 23	AA00338				20 LBS.					
2 A/B 26.5	AA00921				20 LBS.					
2 A 28	AA00327				20 LBS.					
2 B 19	AA00229				20 LBS.					
2 B 20	AA00475				20 LBS.					
2 B 29	AA00331				20 LBS.					
2 D 16	AA00334				20 LBS.					
2 E 14	AA00336				20 LBS.					
2 E 16	AA01190				20 LBS.					
2 E 18	AA00954				20 LBS.					
2 G 15	AA00337				20 LBS.					
2 H 16	AA01039				20 LBS.					
2 J 9 STAIR	AA00167				20 LBS.					
2 J 14	AA00325				20 LBS.					
2 J/K 18	AA00328				20 LBS.					
2 K 17	AA00324				20 LBS.					
2 L 20.5	AA00404				20 LBS.					
2 P 14	AA00318				20 LBS.					

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2 P 16	AA00322				20 LBS.					
2 Q/R 4.5	AA00230				20 LBS.					
2 S/T 12.5	AA00179				20 LBS.					
2 S 15	AA00319				20 LBS.					
2 S 17	AA00320				20 LBS.					
2 T 3.5	AA00205				20 LBS.					
2 U 6	AA00657				20 LBS.					
2 U 11	AA00169				20 LBS.					
2 U 16	AA00326				20 LBS.					
2 V 4.5	AA00191				20 LBS.					
2 V 9.5	AA00166				20 LBS.					
2 T 7.5	AA00165				20 LBS.					
2 W/X 16.5	AA00329				20 LBS.					
Transformer 2	AA00899				10 LBS					
Transformer 2	AA00929				10 LBS					
Transformer 1	AA00959				10 LBS					
Transformer 1	AA00576				10 LBS					
Transformer 4	BB0097				10 LBS					
Transformer 4	BB0026				10 LBS					

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Idled area

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E 4	AA00089				20 LBS.					
E 9	AA00474				20 LBS.					
E 15	AA00470				20 LBS.					
F 17	AA00161				20 LBS.					
H 3	AA00014				20 LBS.					
H 9	AA00257				20 LBS.					
H 12	AA00062				20 LBS.					
J/H 2	AA01116				20 LBS.					
L 2	AA00155				20 LBS.					
L 4	AA00277				20 LBS.					
L 9	AA00247				20 LBS.					
L 15	AA00550				20 LBS.					
L 17	AA00015				20 LBS.					

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N 8	AA00127				20 LBS.					
P10	AA00058				20 LBS.					
Q 2	AA00147				20 LBS.					
Q 10	AA00552				20 LBS.					
Q 16	AA00163				20 LBS.					
Q 18	AA00997				20 LBS.					
R 14	AA00569				20 LBS.					
S 9	AA00366				20 LBS.					
S12	AA00889				20 LBS.					
S 12.5 UP STAIRS	AA00040				20 LBS.					
S 15	AA00061				20 LBS.					
S 18	AA00969				20 LBS.					
T 11	AA00539				20 LBS.					
T 13	AA00344				20 LBS.					
T 16	AA00146				20 LBS.					
U/ V 2	AA00583				20 LBS.					
V 6	AA00372				20 LBS.					

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V9	AA00921				20 LBS.					
V12	BB0141				20 LBS.					
V 15	AA00125				20 LBS.					
V 18	AA00023				20 LBS.					
W 4	AA00198				20 LBS.					
W 13 up stairs	AA00969				20 LBS.					
Y/Z 2	AA00078				20 LBS.					
X 13	AA00298				20 LBS.					
X 16	AA01204				20 LBS.					
Y 6	AA00501				20 LBS.					
Y 9	AA00825				20 LBS.					
Y 15	AA00026				20 LBS.					
Z 5	AA00361				20 LBS.					
Z 11	AA01209				20 LBS.					
Z/AA 1.5 in crib	AA00966				10 LBS.					
Z/AA 1.5 maint crib	BB0016				10 LBS.					
Y 18	AA01117				20 LBS.					

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AA 9	AA00982				20 LBS.					
AA 13	AA01211				20 LBS.					
AA 16	BB00143				20 LBS.					
BB 1	AA00054				20 LBS.					
BB 6	AA01205				20 LBS.					
BB 4.5	AA00042				20 LBS.					

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SEC CONSOLE	BB0047				10 LBS.					
PQQ 102 MEDICAL	AA00603				10 LBS.					
PQQ 104 MEDICAL	BB0200				10 LBS.					
QRR 104 MEDICAL	BB0137				10 LBS.					
MNN 102 EMP ENT	AA00118				20 LBS.					
MNN 104 EMP ENT	AA00086				20 LBS.					
MNN 104 ELEC RM	AA00602				10 LBS.					
HHJ 103 M LRM W	AA00084				20 LBS.					
LLM 103 WOMEN LRM	AA00092				20 LBS.					
LLM 105 M LRM E	BB0101				10 LBS.					
WEIGHT RM	AA00944				10 LBS.					
MAINT BASE	BB0010				10 LBS.					
MAINT BASE	BB0035				10 LBS.					
S 101 ROOF STAIR	BB0022				10 LBS.					
S 111 ELEC RM	BB0011				10 LBS.					

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EXTINGUISHERS

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NUMBER, DESIGNATION, OR LOCATION	EXTINGUISHER NO.	ACCESSIBLE, VISIBLE & PROPERLY HUNG	OPERATING INSTRUCTIONS LEGIBLE & FACING OUTWARD	SEAL & PIN OR TAMPER IN PLACE	WEIGH OR HEFT EXTINGUISHER	PRESSURE IN NORMAL RANGE (If Applicable)	IS EXTINGUISHER DAMAGED (Including Hose)	HMIS LABEL IN PLACE	LAST HYDRO-STATIC TEST DATE	COMMENTS
V 102 CAFE	AA00013				20 LBS.					
V 105 CAFE	AA00255				20 LBS.					
X 101 CAFE	AA00099				20 LBS.					
UV 102 ELEC RM CAFE	BB0133				10 LBS.					
RSS 104	BB00132				10 LBS.					
RSS 104 ELEC RM	AA01040				10 LBS.					
RSS 106	AA00613				10 LBS.					
RSS 111 PHONE RM	BB0112				10 LBS.					
RSS 112 HALL	BB0137				10 LBS.					
STT 111 HALL	BB0102				10 LBS.					
TUU 106 HALL	BB054				10 LBS.					
TUU 106.5 COMP RM	BB0030				10 LBS.					
TUU 109 COMP RM	BB0001				10 LBS.					
TUU 109.5 EDS OFF.	AA00963				10 LBS.					
V 107 COMP RM	BB0036				10 LBS.					
COMPRM ELECT RM	BB0024				10 LBS					
EDS UPS RM	BB0015				10 LBS					

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V 108 EDS STORE RM	**AA00952**				**10 LBS.**					
UV 108 COMP RM	**BB0032**				**10 LBS.**					
UUV 111 HALL	**BB0155**				**10 LBS.**					
UUV 112 FINANCIAL	**BB0009**				**10 LBS.**					
VW 106 ELEC RM	**BB0179**				**10 LBS.**					
WWX 106	**BB0134**				**20 LBS.**					
WWX 107 OFFICE	**BB0185**				**10 LBS.**					
WWX 108 OFFICE	**AA00965**				**10 LBS.**					
WWX 111 HALL	**BB0103**				**10 LBS.**					
WWX 111 ELEC RM	**BB0033**				**10 LBS.**					
CO CAR GARAGE	**AA00237**				**20 LBS.**					
CO CAR Gas Pump	**AA00226**				**20 LBS.**					
FT-2	AA01002				20 LBS.					
FT-2	AA00419				20 LBS.					
FT-2	AA00029				20 LBS.					
FT-2	AA00091				20 LBS.					

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A 45.5	AA00998				20 LBS.					
A 45.5 Entrance	BB00136				10 LBS					
C 47	AA01231				20 LBS.					
C 44	BB0120				20 LBS.					
C 35	AA00809				20 LBS.					
E 34	AA00151				20 LBS.					
D 37	AA00822				20 LBS.					
D 40	AA00432				20 LBS.					
Weld Dest Booth	AA00134				20 LBS.					
D 43 n	AA00884				20 LBS.					
D 45	BB0139				20 LBS.					
D 49.5	AA00181				20 LBS.					
F 50	AA00462				20 LBS.					
G 49	AA00307				20 LBS.					
G 47	AA00371				20 LBS.					
G 45	AA00309				20 LBS.					
G 43 s	AA00217				20 LBS.					
G 40	AA00135				20 LBS.					

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G 34	AA00121				20 LBS.					
G 37	AA00246				20 LBS.					
J 36	AA00139				20 LBS.					
J 39	BB0145				20 LBS.					
J 41	AA01118				20 LBS.					
J 43	AA00388				20 LBS.					
J 45	AA00245				20 LBS.					
J 51	AA00377				20 LBS.					
K 49	AA00380				20 LBS.					
M 37	AA00096				20 LBS.					
M 41	AA00020				20 LBS.					
L/M 43.5 shop	AA00428				20 LBS.					
M 45	AA00070				20 LBS.					
M 53	AA00008				20 LBS.					
N 57	AA00115				20 LBS.					
P 39	AA00436				20 LBS.					

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P 41	AA00437				20 LBS.					
P 43 S	AA00949				20 LBS.					
P 45	AA00238				20 LBS.					
P 47	AA00024				20 LBS.					
P 48	AA00064				20 LBS.					
P 59	AA00438				20 LBS.					
Q 53	AA00390				20 LBS.					
Q 57	AA00315				20 LBS.					
R 37	AA00676				20 LBS.					
R 41	AA00435				20 LBS.					
R 45	AA00076				20 LBS.					
R 47	AA00469				20 LBS.					
R 49	AA00314				20 LBS.					
R 50	AA00222				20 LBS.					
R 57 Scrap metal	AA01224				20 LBS.					
R 55.5 Basement	AA00341				20 LBS.					

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U 45	BB0042				20 LBS.					
U 54.5	AA00925				20 LBS.					
S 57.5 Basement	AA00355				20 LBS.					
S 54.5	AA00894				20 LBS.					
S 56.5	AA00538				20 LBS.					
S 58.5	AA00991				20 LBS.					
S 62.5	AA00514				20 LBS.					
S/T 64 Basement	AA00360				20 LBS.					
T 47	AA00799				20 LBS.					
T 49	AA00676				20 LBS.					
T 53	AA00385				20 LBS.					
U/W 53	AA00607				20 LBS.					
U 55.5 Basement	AA00980				20 LBS.					
U 56.5	AA00917				20 LBS.					
U 57.5 Basement	AA00252				20 LBS.					
U 58.5	AA00306				20 LBS.					

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U 60.5	AA002363				20 LBS.					
U 62.5	AA00006				20 LBS.					
U 64.5	AA00616				20 LBS.					
V 47	AA00506				20 LBS.					
V49	AA00596				20 LBS.					
W 54.5	AA00075				20 LBS.					
W 56.6	AA00505				20 LBS.					
W 55.5 Basement	AA01121				20 LBS.					
W 57.5 Basment	BB0043				20 LBS.					
W 59	AA00510				20 LBS.					
W 62.5	AA00563				20 LBS.					
X 45	AA00949				20 LBS.					
X 51	AA00056				20 LBS.					
TRUCKWASH N	AA00148				20 LBS.					
TRUCKWASH S	AA01228				20 LBS.					

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STAMPING OFFICE	**AA00290**				**20 LBS.**					
GO UP STAIRS AT COLUMN S/T - 64.5										
CRANE N	**AA00804**				**20 LBS.**					
ASH # 1	**AA00658**				**20 LBS.**					
ASH # 2	**AA00659**				**20 LBS.**					
ASH # 3	**AA00665**				**20 LBS.**					
ASH # 4	**AA00661**				**20 LBS.**					
ASH # 5	**AA00662**				**20 LBS.**					
CRANE S	**AA00369**				**20 LBS.**					
MEZZ S 54	**AA01122**				**20 LBS.**					
MEZZ S 54.5	**AA00973**				**20 LBS.**					
TRANS 10	**AA00112**				**20 LBS.**					
TRANS 10	**AA00365**				**20 LBS.**					
TRANS 10	**AA00530**				**20 LBS.**					

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GO UP STAIRS AT COLUMN S - 54										
ASH # 6	AA00663				20 LBS.					
ASH # 7	AA00900				20 LBS.					
ASH # 8	AA01223				20 LBS.					
ASH # 9	AA00932				20 LBS.					
ASH # 10	AA00270				20 LBS.					
ASH # 11	AA00668				20 LBS.					
ASH # 12	AA00669				20 LBS.					
ASH # 13	AA00670				20 LBS.					
ASH # 14	AA00671				20 LBS.					
ASH # 15	AA00672				20 LBS.					
ASH # 16	AA00673				20 LBS.					
SUB 11 #1	AA00206				20 LBS.					
SUB 11 #2	AA00071				20 LBS.					
SUB 11 #3	AA00938				20 LBS.					
ASH # 17	AA01230				20 LBS.					
ASH # 18	AA00674				20 LBS.					
ASH # 19	AA00675				20 LBS.					
ASH # 20	AA01221				20 LBS.					
ASH # 21	AA01220				20 LBS.					

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GO UP STAIRS AT COLUMN F - 50.5										
ASH # 22	**AA00987**				**20 LBS.**					
ASH # 23	**AA00986**				**20 LBS.**					
ASH # 24	**AA00551**				**20 LBS.**					
SUB 12 #1	**AA01164**				**20 LBS.**					
SUB 12 #2	**AA00528**				**20 LBS.**					
Emergency UPS Room	**AA00395**				**20 LBS.**					
ASH # 25	**AA00814**				**20 LBS.**					
ASH # 26	**AA00407**				**20 LBS.**					
ASH # 27	**AA00410**				**20 LBS.**					
ASH # 28	**AA01218**				**20 LBS.**					
GO UP STAIRS AT COLUMN F/G - 43										
ASH # 29	**AA00357**				**20 LBS.**					
ASH # 30	**AA00375**				**20 LBS.**					
ASH # 31	**AA00526**				**20 LBS.**					
ASH # 32	**AA00413**				**20 LBS.**					
ASH # 33	**AA00660**				**20 LBS.**					
SUB 13 #1	**AA00034**				**20 LBS.**					
SUB 13 #2	**AA00405**				**20 LBS.**					
SUB 13 #3	**AA00546**				**20 LBS.**					
ASH # 35	**AA00356**				**20 LBS.**					
ASH # 34	**AA00068**				**20 LBS.**					
ASH # 36	**AA00067**				**20 LBS.**					
ASH # 37	**AA01215**				**20 LBS.**					

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E 17	AA00923				20 LBS.					
F 19	AA00295				20 LBS.					
F 20 STAIR	AA00527				20 LBS.					
H 19.5	AA00128				20 LBS.					
K 18	AA00122				20 LBS.					
M 19.5	AA00446				20 LBS.					
P 17	AA00374				20 LBS.					
R 20	AA00281				20 LBS.					
T.5 6	AA00282				20 LBS.					
T 18	AA00584				20 LBS.					
T 21.5	AA02029				20 LBS.					
U.5- 33	AA00242				20 LBS.					
V 2	AA00052				20 LBS.					
V 4	AA00303				20 LBS.					
V 6	AA00305				20 LBS.					

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V 10	AA00019				20 LBS.					
V 13	AA00153				20 LBS.					
V 16	AA00160				20 LBS.					
V 19	AA00391				20 LBS.					
V 23	AA00919				20 LBS.					
V 27	AA00559				20 LBS.					
V 37	AA00039				20 LBS.					
W 8	AA00082				20 LBS.					
X 3	AA00007				20 LBS.					
X 5	AA00288				20 LBS.					
X 9	AA00243				20 LBS.					
X 21	AA00137				20 LBS.					
X 25	AA00928				20 LBS.					
X 30	AA00278				20 LBS.					
X 34	AA00094				20 LBS.					
X 37	AA00001				20 LBS.					
Y 11	AA00093				20 LBS.					

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Y 13	AA00294				20 LBS.					
X 24 up stairs	AA00387				20 LBS.					
Y 16	AA00108				20 LBS.					
Y 19	AA00041				20 LBS.					
Z 22	AA00381				20 LBS.					
Z 25	AA00512				20 LBS.					
Z 28	AA00887				20 LBS.					
Z 32	AA00292				20 LBS.					
Z 37	AA00264				20 LBS.					
Z/AA 33.5 Booth	BB0021				10 LBS.					
AA 33.5	BB0018				10 LBS.					
AA/BB 32	BB0005				10 LBS.					
AA/BB 30	BB0004				10 LBS.					
BB 11	AA00426				20 LBS.					
BB 13	AA00434				20 LBS.					
BB 16	AA00554				20 LBS.					

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BB 19	AA01242				20 LBS.					
BB 21	AA00820				20 LBS.					
BB 25	AA01120				20 LBS.					
BB 30	AA00431				20 LBS.					
BB 34	AA01206				20 LBS.					
CC 14	AA00279				20 LBS.					
EE 15.5	AA00241				20 LBS.					
EE 19	AA00457				20 LBS.					
HH 17	AA00429				20 LBS.					
HH 19	AA00287				20 LBS.					
KK 14	AA00456				20 LBS.					
KK 19	AA00455				20 LBS.					
LL 13	AA00430				20 LBS.					
LL 15	AA00874				20 LBS.					
NN 19	AA00221				20 LBS.					
MM 22	AA00433				20 LBS.					

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MM 26	AA00425				20 LBS.					
PP 17	AA00349				20 LBS.					
ROLL TEST 1	AA00389				20 LBS.					
ROLL TEST 2	AA00580				20 LBS.					
ROLL TEST 3	AA00280				20 LBS.					
ROLL TEST 4	AA00574				20 LBS.					
ROLL TEST 5	AA00376				20 LBS.					
TOE IN PIT	AA00427				20 LBS.					
SUB 14 # 1	AA00420				20 LBS.					
SUB 14 # 2	AA00460				20 LBS.					
SUB 14 # 3	A01225				20 LBS.					
Emer UPS room	AA00267				20 LBS.					
Meth Farm W	AA00274				20 LBS.					
Meth Farm E	AA02034				20 LBS.					
B/D Buggy @ V 20	AA00586				20 LBS.					
B/D Buggy @ BB 20	AA00903				20 LBS.					

EXTINGUISHERS

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GO UP STAIRS OUTDOORS OF COLUMN CC - 15 IN 345 BODY SHOP										
TRESTLE #17	AA00332				20 LBS.					
TRESTLE #18	AA00335				20 LBS.					
TRESTLE #19	AA00339				20 LBS.					
TRESTLE #20	AA00321				20 LBS.					
TRESTLE #21	AA00005				20 LBS.					
TRESTLE STAIRS	AA00330				20 LBS.					
TRESTLE #1	AA02382				20 LBS.					
TRESTLE #2	AA00808				20 LBS.					
TRESTLE #3	AA00399				20 LBS.					
TRESTLE #4	AA00401				20 LBS.					
TRESTLE #5	AA00262				20 LBS.					
TRESTLE #6	AA00398				20 LBS.					
TRESTLE #7	AA00990				20 LBS.					
TRESTLE#8	AA00400				20 LBS.					
TRESTLE #9	AA00035				20 LBS.					
TRESTLE #10	AA00873				20 LBS.					
TRESTLE #11	AA00203				20 LBS.					
TRESTLE #12	AA00003				20 LBS.					
TRESTLE #13	AA00141				20 LBS.					
TRESTLE #14	AA00001				20 LBS.					
TRESTLE #15	AA00403				20 LBS.					
TRESTLE #16	AA00408				20 LBS.					

EXTINGUISHERS
MONTHLY INSPECTION

GA Westside Eastside

Assigned To: _____ **Date Assigned:** _____ **Date Completed:** _____

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GO UP STAIRS AT COLUMN E/ F - 17.5										
ASH # 70	AA00216				20 LBS.					
ASH # 69	AA1136				20 LBS.					
ASH # 68	AA00250				20 LBS.					
ASH # 67	AA00234				20 LBS.					
ASH # 66	AA00543				20 LBS.					
ASH # 65	AA00260				20 LBS.					
Fiber Optic	AA00299				20 LBS.					
GO UP STAIRS AT COLUMN BB - 20										
ASH # 53	AA01250				20 LBS.					
ASH # 52	AA00593				20 LBS.					
ASH # 51	AA01110				20 LBS.					
ASH # 50	AA00104				20 LBS.					
ASH # 46	AA00280				20 LBS.					
ASH # 45	AA01207				20 LBS.					
ASH # 44	AA00535				20 LBS.					
ASH # 47	AA00823				20 LBS.					
ASH # 48	AA00049				20 LBS.					
ASH # 49	AA00342				20 LBS.					
					20 LBS.					

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GO UP STAIRS AT COLUMN W/ X - 3										
ASH # 54	AA00577				20 LBS.					
ASH # 55	AA00129				20 LBS.					
ASH # 56	AA01001				20 LBS.					
ASH # 57	AA00454				20 LBS.					
ASH # 58	AA00451				20 LBS.					
ASH # 59	AA00441				20 LBS.					
ASH # 60	AA00440				20 LBS.					
ASH # 61	AA01193				20 LBS.					
ASH # 62	AA00450				20 LBS.					
ASH # 64	AA01003				20 LBS.					
ASH # 63	AA01173				20 LBS.					
ASH # 71	AA00143				20 LBS.					
ASH # 43	AA00453				20 LBS.					
ASH # 72	AA00057				20 LBS.					
ASH # 42	AA00939				20 LBS					
ASH # 41	AA00283				20 LBS.					
ASH # 73	AA00263				20 LBS.					
ASH # 74	AA00444				20 LBS.					
ASH # 40	AA00439				20 LBS.					
ASH # 75	AA00868				20 LBS.					
ASH # 76	AA00819				20 LBS.					
ASH # 39	AA00045				20 LBS.					
ASH #77	AA00317				20 LBS.					
ASH # 38	BB0012				20 LBS.					
ASH # 78	AA00362				20 LBS.					

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GA ADMIN EAST WALL	AA00628				10 LBS.					
GA ADMIN NORTH WALL	BB0121				10 LBS.					
GA ADMIN S/W WALL	AA00941				10 LBS.					
GA ADMIN S/E WALL	AA00828				10 LBS.					
GA ENT. SOUTH WALL	AA00879				10 LBS.					
GA ENT. NORTH WALL	BB0037				10 LBS.					
GA MEDICAL	AA00493				10 LBS.					
MED 2 GARAGE	AA00386				20 LBS.					
GA SECURITY	BB0182				10 LBS.					
GA TO BODY HALL EAST	BB0008				10 LBS.					
GA TO BODY HALL WEST	BB0028				10 LBS.					
CAFÉ EAST WALL	BB0149				10 LBS.					
CAFÉ S/E WALL	BB0152				10 LBS.					
CAFÉ S/W WALL	BB0170				10 LBS.					
CAFÉ NORHT WALL	BB0029				10 LBS.					
KITCHEN SOUTH WALL	AA00942				10 LBS.					
KITCHEN WEST WALL	AA01248				20 LBS.					
grill area south wall	AA01246				20 LBS.					
cooking area south wall	AA01247				20 LBS.					
CLOTHING STORE	BB0007				10 LBS.					
UAW Workcenter	AA01131				10 LBS.					

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GO UP THE STAIRS AT COLUMN 2D/E - 6 OF POWER HOUSE										
EE 50 TRESTLE	AA00504				20 LBS.					
EE 41 TRESTLE	AA00524				20 LBS.					
EE 46 TRESTLE	AA00743				20 LBS.					
EE 35 TRESTLE	AA00967				20 LBS.					
EE 31 TRESTLE	AA00923				20 LBS.					
1 WT @ DD 8	AA00368				20 LBS.					
2 WT @ DD 6	AA00970				20 LBS.					
LIME BUILDING	AA00472				20 LBS.					
WATER LAB S.	AA00557				20 LBS.					
WATER LAB N.	AA00968				20 LBS.					
1 PH @ B 2	AA00284				20 LBS.					
1 PH @ B 3	AA00422				20 LBS.					
1 PH @ B 4.5	AA00424				20 LBS.					
1 PH @ C 5.75	AA00664				20 LBS.					

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1 PH @ D 1.5	AA00540				20 LBS.					
1 PH @ D 3	AA00448				20 LBS.					
1 PH @ D 5.5	AA00449				20 LBS.					
1 PH @ E 6	AA00463				20 LBS.					
1 PH @ F 4.5	AA002134				20 LBS.					
1 PH @ F 5.5	AA00018				20 LBS.					
1 PH @ G 4.5	AA001222				20 LBS.					
1 PH @ G 5.5	AA00418				20 LBS.					
1 PH @ H 4.5	AA00447				20 LBS.					
CIN. OFFICE	BB0019				10 LBS.					
CIN. OFFICE	BB0003				10 LBS.					
CIN. OFFICE HALL	BB0002				10 LBS.					
1 PH ELEVATOR	AA000421				20 LBS.					
2 PH ELEVATOR	AA00465				20 LBS.					

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CONTROL RM N DR	AA00466				20 LBS.					
2 PH @ B 1.5	AA00473				20 LBS.					
2 PH @ C 4	AA00486				20 LBS.					
2 PH @ D 1.5	AA00468				20 LBS.					
2 PH @ D 5	AA00496				20 LBS.					
2 PH @ F 4.5	AA00489				20 LBS.					
2 PH @ F 5.5	AA00487				20 LBS.					
2 PH @ G 4.5	AA00490				20 LBS.					
2 PH @ G 5.5	AA00488				20 LBS.					
3 PH ELEVATOR	AA00667				20 LBS.					
3.5 PH @ C 5	AA00037				20 LBS.					
3.5 PH @ D 5	AA00268				20 LBS.					
3.5 PH @ E 4	AA00316				20 LBS.					
3.5 PH @ E 4	AA01229				20 LBS.					

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3.5 PH @ E 5	AA00162				20 LBS.					
3.5 PH @ E 5	AA00478				20 LBS.					
3.5 PH @ F 4.5	BB0013				20 LBS.					
3.5 PH @ F 5.5	AA00310				20 LBS.					
3.5 PH @ G 4.5	BB0186				20 LBS.					
3.5 PH @ G 5.5	BB0153				20 LBS.					
3.5 PH @ H 5	AA00293				20 LBS.					
4 PH ELEVATOR	AA00479				20 LBS.					
5 PH ELEVATOR	AA00480				20 LBS.					
6 PH ELEVATOR	AA00481				20 LBS.					
6 PH ELEVATOR	AA00482				20 LBS.					
6 PH @ A/B 3	AA00484				20 LBS.					
6 PH @ D 3	AA00483				20 LBS.					
6.5PH ELEV ROOM	AA00485				20 LBS.					

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GATE B	BB0151				10 LBS.					
GENERATOR 1	BB0177				10 LBS.					
GENERATOR 2	BB0180				10 LBS.					
CC 10 MOW SHED	BB0176				10 LBS.					
SOLID SEPERATOR	AA00665				20 LBS.					
SECONDARY SW HOUSE	AA01226				20 LBS.					
SECONDARY SW HOUSE	AA00585				20 LBS.					
OLD CTPH	AA00416				20 LBS.					
OLD CTPH	AA00405				20 LBS.					
PRIMARY SW HOUSE	BB0045				10 LBS.					
PRIMARY SW HOUSE	AA00498				10 LBS.					
Primary Pump House	BB0044				10 LBS.					
Solid Seperator #2	AA00111				20 LBS.					
Clarifier Pump House	AA01201				20 LBS.					
C TWR 1 ST FLOOR	AA00413				20 LBS.					
C TWR 3 RD FLOOR	AA00415				20 LBS.					
C TWR 4 TH FLOOR	AA00414				20 LBS.					
C TWR 5 TH FLOOR	AA00409				20 LBS.					
COAL CRUSHER	AA00411				20 LBS.					

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CTPH - CC5	BB0046				10 LBS.					
CTPH -CC3	BB0034				10 LBS.					
CTPH -BB1	BB0048				10 LBS.					
CTPH TRANS RM # 1	AA00370				20 LBS.					
CTPH TRANS RM # 2	AA00826				20 LBS.					
CTPH TRANS RM #3	BB0184				20 LBS.					
CTPH TRANS RM #4	AA00570				20 LBS.					
CTPH TRANS RM #5	AA00098				20 LBS.					
PFPH S DOOR	AA00423				20 LBS.					
PFPH N DOOR	AA00547				20 LBS.					
TANK FARM	AA00589				20 LBS.					
TANK FARM	AA00417				20 LBS.					
TANK FARM FILL	BB0144				20 LBS.					
GATE A	AA00575				10 LBS.					

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NORTH GATE	BB0124				5 LBS.					
INCENERATOR	AA00017				20 LBS.					
Abatement ctl rm	AA00548				20 LBS.					
SLUDGE E DOOR	AA01119				20 LBS.					
SLUDGE W DOOR	AA00811				20 LBS.					
TRANS 7 E DOOR	AA00192				20 LBS.					
TRANS 7 S DOOR	BB0162				10 LBS.					
BOOSTER PUMP RM	BB0107				10 LBS.					
GENERATOR 4	BB0098				10 LBS.					
THINNER P H	AA00291				20 LBS.					
BARREL STORAGE NW	AA01245				20 LBS.					
BARREL STORAGE east	AA00555				20 LBS.					
GENERATOR 3	AA00476				10 LBS					
Pt. mix elect. Room	AA00960				10 LBS.					
GENERATOR 5 - GA	AA00961				10 LBS.					
GENERATOR 6 - BS	BB0025				10 LBS.					
BOOSTER #2	AA00021				20 LBS					

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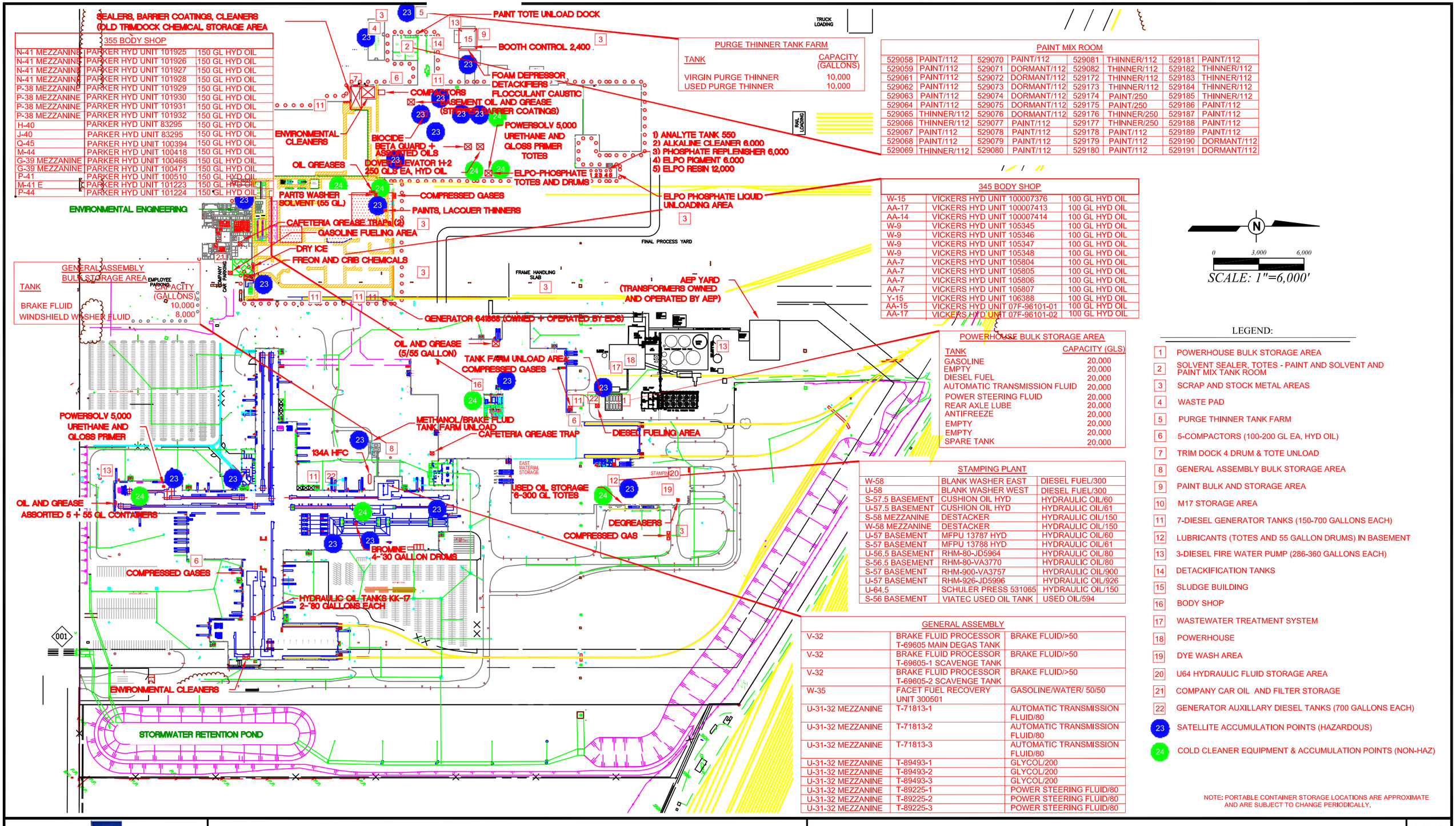
Appendix G

Process Flow Diagram – Wastewater Treatment Plant



	355 BODY SHOP	
N-41 MEZZANINE	PARKER HYD UNIT 101925	150 GL HYD OIL
N-41 MEZZANINE	PARKER HYD UNIT 101926	150 GL HYD OIL
N-41 MEZZANINE	PARKER HYD UNIT 101927	150 GL HYD OIL
N-41 MEZZANINE	PARKER HYD UNIT 101928	150 GL HYD OIL
P-38 MEZZANINE	PARKER HYD UNIT 101929	150 GL HYD OIL
P-38 MEZZANINE	PARKER HYD UNIT 101930	150 GL HYD OIL
P-38 MEZZANINE	PARKER HYD UNIT 101931	150 GL HYD OIL
P-38 MEZZANINE	PARKER HYD UNIT 101932	150 GL HYD OIL
H-40	PARKER HYD UNIT 83295	150 GL HYD OIL
J-40	PARKER HYD UNIT 83295	150 GL HYD OIL
Q-45	PARKER HYD UNIT 100394	150 GL HYD OIL
M-44	PARKER HYD UNIT 100418	150 GL HYD OIL
G-39 MEZZANINE	PARKER HYD UNIT 100468	150 GL HYD OIL
G-39 MEZZANINE	PARKER HYD UNIT 100471	150 GL HYD OIL
P-41	PARKER HYD UNIT 100510	150 GL HYD OIL
M-41 E	PARKER HYD UNIT 101223	150 GL HYD OIL
P-44	PARKER HYD UNIT 101224	150 GL HYD OIL

PURGE THINNER TANK FARM	
TANK	CAPACITY (GALLONS)
VIRGIN PURGE THINNER	10,000
USED PURGE THINNER	10,000

PAINT MIX ROOM							
529058	PAINT/112	529070	PAINT/112	529081	THINNER/112	529181	PAINT/112
529059	PAINT/112	529071	DORMANT/112	529082	THINNER/112	529182	THINNER/112
529061	PAINT/112	529072	DORMANT/112	529172	THINNER/112	529183	THINNER/112
529062	PAINT/112	529073	DORMANT/112	529173	THINNER/112	529184	THINNER/112
529063	PAINT/112	529074	DORMANT/112	529174	PAINT/250	529185	THINNER/112
529064	PAINT/112	529075	DORMANT/112	529175	PAINT/250	529186	PAINT/112
529065	THINNER/112	529076	DORMANT/112	529176	THINNER/250	529187	PAINT/112
529066	THINNER/112	529077	PAINT/112	529177	THINNER/250	529188	PAINT/112
529067	PAINT/112	529078	PAINT/112	529178	PAINT/112	529189	PAINT/112
529068	PAINT/112	529079	PAINT/112	529179	PAINT/112	529190	DORMANT/112
529069	THINNER/112	529080	PAINT/112	529180	PAINT/112	529191	DORMANT/112

345 BODY SHOP		
W-15	VICKERS HYD UNIT 100007376	100 GL HYD OIL
AA-17	VICKERS HYD UNIT 100007413	100 GL HYD OIL
AA-14	VICKERS HYD UNIT 100007414	100 GL HYD OIL
W-9	VICKERS HYD UNIT 105345	100 GL HYD OIL
W-9	VICKERS HYD UNIT 105346	100 GL HYD OIL
W-9	VICKERS HYD UNIT 105347	100 GL HYD OIL
W-9	VICKERS HYD UNIT 105348	100 GL HYD OIL
AA-7	VICKERS HYD UNIT 105804	100 GL HYD OIL
AA-7	VICKERS HYD UNIT 105805	100 GL HYD OIL
AA-7	VICKERS HYD UNIT 105806	100 GL HYD OIL
AA-7	VICKERS HYD UNIT 105807	100 GL HYD OIL
Y-15	VICKERS HYD UNIT 106388	100 GL HYD OIL
AA-15	VICKERS HYD UNIT 07F-96101-01	100 GL HYD OIL
AA-17	VICKERS HYD UNIT 07F-96101-02	100 GL HYD OIL

POWERHOUSE BULK STORAGE AREA	
TANK	CAPACITY (GLS)
GASOLINE	20,000
EMPTY	20,000
DIESEL FUEL	20,000
AUTOMATIC TRANSMISSION FLUID	20,000
POWER STEERING FLUID	20,000
REAR AXLE LUBE	20,000
ANTIFREEZE	20,000
EMPTY	20,000
EMPTY	20,000
SPARE TANK	20,000

STAMPING PLANT		
W-58	BLANK WASHER EAST	DIESEL FUEL/300
U-58	BLANK WASHER WEST	DIESEL FUEL/300
S-57.5 BASEMENT	CUSHION OIL HYD	HYDRAULIC OIL/60
U-57.5 BASEMENT	CUSHION OIL HYD	HYDRAULIC OIL/61
S-58 MEZZANINE	DESTACKER	HYDRAULIC OIL/150
W-58 MEZZANINE	DESTACKER	HYDRAULIC OIL/150
U-57 BASEMENT	MFPU 13787 HYD	HYDRAULIC OIL/60
S-57 BASEMENT	MFPU 13788 HYD	HYDRAULIC OIL/61
U-56.5 BASEMENT	RHM-80-JD5964	HYDRAULIC OIL/80
S-56.5 BASEMENT	RHM-80-VA3770	HYDRAULIC OIL/80
S-57 BASEMENT	RHM-900-VA3757	HYDRAULIC OIL/900
U-57 BASEMENT	RHM-926-JD5996	HYDRAULIC OIL/926
U-64.5	SCHULER PRESS 531065	HYDRAULIC OIL/150
S-56 BASEMENT	VIATEC USED OIL TANK	USED OIL/594

GENERAL ASSEMBLY		
V-32	BRAKE FLUID PROCESSOR T-69605 MAIN DEGAS TANK	BRAKE FLUID/>50
V-32	BRAKE FLUID PROCESSOR T-69605-1 SCAVENGE TANK	BRAKE FLUID/>50
V-32	BRAKE FLUID PROCESSOR T-69605-2 SCAVENGE TANK	BRAKE FLUID/>50
W-35	FACET FUEL RECOVERY UNIT 300501	GASOLINE/WATER/ 50/50
U-31-32 MEZZANINE	T-71813-1	AUTOMATIC TRANSMISSION FLUID/80
U-31-32 MEZZANINE	T-71813-2	AUTOMATIC TRANSMISSION FLUID/80
U-31-32 MEZZANINE	T-71813-3	AUTOMATIC TRANSMISSION FLUID/80
U-31-32 MEZZANINE	T-89493-1	GLYCOL/200
U-31-32 MEZZANINE	T-89493-2	GLYCOL/200
U-31-32 MEZZANINE	T-89493-3	GLYCOL/200
U-31-32 MEZZANINE	T-89225-1	POWER STEERING FLUID/80
U-31-32 MEZZANINE	T-89225-2	POWER STEERING FLUID/80
U-31-32 MEZZANINE	T-89225-3	POWER STEERING FLUID/80

N

0 3,000 6,000

SCALE: 1"=6,000'

LEGEND:

1. POWERHOUSE BULK STORAGE AREA
2. SOLVENT SEALER, TOTES - PAINT AND SOLVENT AND PAINT MIX TANK ROOM
3. SCRAP AND STOCK METAL AREAS
4. WASTE PAD
5. PURGE THINNER TANK FARM
6. 5-COMPACTORS (100-200 GL EA, HYD OIL)
7. TRIM DOCK 4 DRUM & TOTE UNLOAD
8. GENERAL ASSEMBLY BULK STORAGE AREA
9. PAINT BULK AND STORAGE AREA
10. M17 STORAGE AREA
11. 7-DIESEL GENERATOR TANKS (150-700 GALLONS EACH)
12. LUBRICANTS (TOTES AND 55 GALLON DRUMS) IN BASEMENT
13. 3-DIESEL FIRE WATER PUMP (286-360 GALLONS EACH)
14. DETACKIFICATION TANKS
15. SLUDGE BUILDING
16. BODY SHOP
17. WASTEWATER TREATMENT SYSTEM
18. POWERHOUSE
19. DYE WASH AREA
20. U64 HYDRAULIC FLUID STORAGE AREA
21. COMPANY CAR OIL AND FILTER STORAGE
22. GENERATOR AUXILLARY DIESEL TANKS (700 GALLONS EACH)
23. SATELLITE ACCUMULATION POINTS (HAZARDOUS)
24. COLD CLEANER EQUIPMENT & ACCUMULATION POINTS (NON-HAZ)

NOTE: PORTABLE CONTAINER STORAGE LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO CHANGE PERIODICALLY.

DRAWN BY:	DRAWN DATE: 02/15/2008
PROJECT NUMBER:	BILLING GROUP:

GENERAL MOTORS VEHICLE OPERATIONS
SHREVEPORT OPERATIONS
SHREVEPORT, LOUISIANA

MATERIAL STORAGE AREAS AND SATELLITE ACCUMULATION POINTS

FIGURE NUMBER
D-4