CONESTOGA-ROVERS & ASSOCIATES

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Risk-Based PCB Cleanup Plan

Former Grand Rapids Metal Plant
300 36th Street SW
Wyoming, Michigan

Prepared for: RACER Trust

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Section 1.0 Introduction

Conestoga-Rovers & Associates (CRA) has prepared this Risk-Based Polychlorinated Biphenyl (PCB) Cleanup Plan (Plan) on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust for the former Grand Rapids Metal Plant property located at 300 36th Street SW in Wyoming, Michigan (Site). The Site location is presented on Figure 1. RACER Trust, after consultation with the Michigan Department of Environmental Quality (MDEQ), is requesting a coordinated review of this Plan in accordance with 40 Code of Federal Regulations (CFR) 761.77(c).

In accordance with 40 CFR 761.77(a), RACER Trust is submitting the following information required as part of the coordinated review request:

- The Plan has been prepared to address the former Tar House and Bulk Unload areas of the Site, as further described in this document.
- RACER Trust is currently completing investigation and monitoring at the Site voluntarily under Michigan Act 451, Part 201 (Part 201). The Site is currently listed on the Part 201 Sites List (Site Identification No. 41000115).
- RACER Trust has been working with Ms. Darlene Stringer, MDEQ Project Manager (616.356.0023), in evaluating the Site under Part 201.
- RACER Trust's Site Identification No. is MIK156633412. Additionally, Site Identification No. MID006020408 is associated with the Site; however, this Site Identification No. is associated with the current property owner.
- As discussed in Section 5.0, the current property owner, the City of Wyoming Brownfield Redevelopment Authority (WBRA), and RACER Trust are aware of and will adhere to the reporting and recordkeeping requirements in 40 CFR 761 Subparts J and K.

This Plan has been prepared in accordance with the procedures set forth in 40 CFR, Part 761, 761.61(c), as an application to the United States Environmental Protection Agency (U.S. EPA) to implement a cleanup of Site-related PCB contamination under the risk-based cleanup option and includes applicable aspects of the self-implementation alternative described in 40 CFR 761.61(a). Field methods, procedures and notifications proposed in this Plan are consistent with the self-implementing option. Modifications to the self-implementing option incorporated in this Plan are delineation sampling density, taking into account the existing Site data and future use of the Site. In addition to submittal to the U.S. EPA, this Plan is being filed with the MDEQ and the Kent County Health Department (KCHD) in accordance with the procedures set forth in 40 CFR 761.61(a).

1.1 Cleanup Plan Summary

This Plan has been prepared in accordance with the risk-based cleanup option under 40 CFR 761.61(c) while considering exposure levels consistent with the self-implementing option low-occupancy standards without further restrictions in 40 CFR 761.61(a)(4)(i)(B)(1). The specific modifications to the self-implementing option are summarized below and described in further detail in the subsequent sections of the Plan. Although this Plan includes elements described in 40 CFR 761.61(a), this Plan is proposed under 40 CFR 761.61(c) because it proposes modifications from prescribed self-implementing sampling and cleanup methods detailed in 40 CFR 761.61(a) as summarized below:

- With respect to the in-situ delineation sampling frequency, the Plan proposes a less stringent sampling density than that described in 40 CFR 761.265. Instead of a characterization sampling grid based on a 3-meter (10-foot) interval, the Plan proposes an approximate 6-meter (20-foot) sampling grid interval with discrete sampling in 2-foot vertical intervals. Justification for this deviation is provided in Sections 3.0 and 4.0.

This Plan also specifies deed restrictions that will be placed on the Site consistent with 40 CFR 761.61(a)(8). The deed restrictions will identify use restrictions, occupancy designations, where caps are present on the property, maintenance requirements and the remaining PCB concentrations. The proposed cleanup level for on-Site contamination is 10 parts per million (ppm), which allows for the areas to be utilized in a manner in the future that would meet the definition of a Low Occupancy Area under 40 CFR 761 without further conditions. A 10 ppm cleanup level would allow use of the areas in a manner in the future that with the addition of a cap would meet the requirements for a High Occupancy Area.

1.2 Site Background

The Site is located at 300 36th Street SW and consists of approximately 88 acres of land. General Motors Corporation (GMC) initiated automotive manufacturing operations at the Site in 1936. Additional buildings were constructed and the Site was expanded several times between 1937 and 2006. Primary operations conducted at the Site consisted of metal fabrication and assembly for consumer vehicles. Operations ceased at the Site on June 30, 2010. GMC filed for bankruptcy under Chapter 11 of the United States Bankruptcy Code on June 1, 2009. On July 10, 2009, pursuant to a bankruptcy court order, Motors Liquidation Company (MLC) (fka GMC) retained ownership of the Site, and on October 20, 2010 entered into a settlement agreement with federal and state governmental authorities regarding MLC's environmental obligations at its remaining properties. According to the terms of the settlement agreement, RACER Trust became effective March 31, 2011 and MLC's interests were transferred to RACER Trust at that time to conduct, manage, and fund cleanup at the 89 sites

formerly owned by MLC, including the Site. The Site was sold to Thunder Ventures, LLC on June 28, 2011 who then transferred ownership to WBRA; however, RACER Trust retains certain responsibilities related to subsurface contamination associated with historical operations at the Site by GMC. As such, the scope of this Plan is limited to specific subsurface areas of the Site only.

The Site historically included an approximately 2 million square-foot Main Manufacturing Building and several outlying buildings and ancillary structures (Wastewater Treatment Plant [WWTP], Power House, Press Staging Building, Primary Switch House, Baler House, Rack Make-Up Building, South Fire Pump House, West Fire Pump House, Storm Sewer Pump House, Cooling Tower Pump House, Metal Storage Shed, and Guard House), asphalt and concrete-paved areas, a stormwater retention pond, and vegetated and landscaped areas. Figure 2 presents a Site plan.

The majority of the historical structures at the Site have been decommissioned and demolished, and the majority of the Site has been re-graded in anticipation for new construction. As part of initial facility decommissioning, a draft Facility Environmental Assessment (FEA) was performed by CRA in October 2010, which included an evaluation of above grade potential PCB-containing or impacted materials. Subsequently and prior to initiation of decommissioning and demolition activities, Soils and Materials Engineers, Inc. (SME) submitted a PCB Remediation Notification and Certification Letter (SME, 2011) to the U.S. EPA, MDEQ, and KCHD on behalf of Thunder Ventures, LLC on September 19, 2011 to address the environmental response activities to be conducted as part of the decommissioning and demolition of the former Grand Rapids Metal Plant structures. The September 19, 2011 letter was approved by U.S. EPA on November 2, 2011.

Additionally, as part of the on-going investigations and assessments being conducted at the Site associated with the Part 201 sites listing, a Current Conditions Report (CCR) was prepared by CRA in December 2010, which included an evaluation of potential PCB-containing materials. The scope of this Plan is limited to specific subsurface areas of the Site only, as described above. According to historical document reviews and interviews with Site personnel, the known historical uses of PCBs at the Site included: fluorescent light ballasts, hydraulic oils in machinery, and dielectric oil within transformers and capacitors. Potential PCB-containing materials or PCB-containing materials observed included: dielectric fluids; impacted concrete and metal surfaces; light ballasts; natural gas lines; non-electrical oil-containing equipment such as elevators, air compressors and dock levelers; and solid PCB bulk product materials (i.e., floor block).

1.3 Environmental Setting

The Site is located in a mixed industrial, commercial, residential and recreational area in the City of Wyoming, Michigan with Buchanan Ave SW and mixed industrial/residential to the east, mixed recreational and residential to the north, railroad tracks and mixed commercial/industrial to the west, and 40th Street SW and residential to the south as further discussed below.

The Site is abutted to the north by Price and Company, Godwin Heights Public Schools athletic fields and residential properties, with Hillcroft Park located beyond.

The Site is abutted to the east by Buchanan Street followed by an Amoco gas station, Tint Factory, N&A Auto Repair, Prestige Transport, LLC, Steil Property Management, RSP Investment Property, Inc., MSC Industrial Supply Co., Clean Rooms International, Independent Glass, Chase Creative Unlimited, Ter Molen & Hart Sheet Metal, Tracer Tool & Die Co., United Auto Workers (UAW) Hall, Conical Tapered Mills, a vacant commercial/industrial building, a vacant lot, Mark Maker Company, and residential properties.

The Site is abutted to the south by 40th Street followed by Accurate Alignment & Brake and residential properties.

The Site is abutted to the west by railroad tracks, Cole Drain, Consumers high-tension power lines, Consumers Service Center, The Macomb Group, and Clay Avenue followed by Ryder Truck, Cummins, a vacant commercial/industrial building, K-Mac Plastics, Floyd's Electric, Consolidated Metal Products, Inc., Rose Pest Solutions, Donald Engineering, and Earl Jourdan Auto Parts.

The Site is zoned I2, which is Industrial District - General. The Site's use has been restricted to non-residential use consistent with the Declaration of Restrictive Covenant and Access Agreement executed on June 27, 2011 and recorded with the Kent County Register of Deeds. Additionally, the restrictive covenant prohibits "the use of groundwater at, in, or under the Property by any person or entity for any purpose, including potable and non-potable uses."

1.4 Report Organization

The remainder of this Plan focuses on summarizing previous investigations and proposed additional delineation and cleanup activities. Subsequent sections are comprised as follows:

- Section 2.0 – Previous Investigations and Corrective Measures
- Section 3.0 – Additional Site Characterization Activities

- Section 4.0 – Cleanup Plan Approach
- Section 5.0 – Certification Statement
- Section 6.0 - References

Section 2.0 Previous Investigations and Corrective Measures

Environmental investigations and remedial actions have been completed at the Site, primarily under the Part 201 Program. In addition to the Part 201 activities, several rounds of investigation were completed to evaluate PCBs.

Additionally, based on discussions with representatives of the WBRA during the decommissioning and demolition activities, two areas where PCBs were identified to be present in soil at concentrations above the High Occupancy Cleanup Level of 1 ppm/1 milligram per kilogram (mg/kg) for bulk remediation waste (without further conditions)(PCB Area Nos. 1 and 2) were identified to potentially be utilized in a manner in the future that would meet the definition of a High Occupancy Area under 40 CFR 761. As such, a *Self-Implementing Plan for the Remediation of PCB-Impacted Soils Pursuant to 40 CFR 761.61(a)*(SIP)(CRA, 2012) was prepared and submitted to U.S. EPA, MDEQ, and KCHD on June 7, 2012 to address these areas during the decommissioning and demolition activities. The scope of the June 7, 2012 SIP was limited to specific subsurface areas of the Site only, identified as PCB Area Nos. 1 and 2. The SIP was conditionally approved by U.S. EPA on August 6, 2012 and was implemented in August 2012. A *Soil Containing PCB Cleanup Completion Summary Report* (Completion Summary Report)(CRA, 2013) was prepared and submitted to the U.S. EPA on May 16, 2013 after completion of the activities. Copies of the SIP and Completion Summary Report are presented in Appendix A and B, respectively.

Additional areas where PCBs were detected in soil above the High Occupancy Area Cleanup Level of 1 ppm/1 mg/kg for bulk remediation waste (without further conditions) are present at the Site outside PCB Area Nos. 1 and 2. These areas were not addressed in the June 7, 2012 SIP and at the time it was identified that they would be further evaluated and addressed, as applicable, in accordance with 40 CFR 761.61 at a later date. These areas, the former Tar House Area and the Bulk Unload Area, are covered under this Plan.

2.1 PCB Investigation Activities

This section addresses specific subsurface evaluations conducted relative to delineation of two areas (the former Tar House Area and Bulk Unload Area) where PCBs were identified during various stages of Site-wide investigation activities at concentrations above the High Occupancy

Area Cleanup Level of 1 ppm/1 mg/kg for bulk remediation waste (without further conditions) set forth in 40 CFR 761.61(a)(4)(i)(A).

2.1.1 Soil Boring Advancement/Soil Sampling

The former Tar House and Bulk Unload Areas were investigated for PCB contamination through the installation of soil borings and the collection of soil samples.

Soil borings were advanced utilizing a rotosonic or direct-push (i.e., Geoprobe®) drill rig with continuous Macrocore® sampling. The Macrocore® samples were logged, examined by a CRA geologist for visual/olfactory evidence of impact, and screened with an 11.7 electron volt (eV) bulb photoionization detector (PID). The stratigraphic soil boring logs are presented in Appendix C. Soil samples, including Quality Assurance/Quality Control (QA/QC) samples, were collected from the soil boring locations for laboratory analysis as described in Sections 2.1.1 and 2.1.2. A sample summary is presented in Table 1.

Soil cuttings were screened with an 11.7 eV bulb PID and examined for visual/olfactory indication of contamination. All soil cuttings were containerized in Department of Transportation (DOT)-approved 55-gallon drums labeled for future characterization and off-Site disposal.

Upon completion of soil sample collection, each soil boring was abandoned by backfilling the soil boring annulus with bentonite chips to the ground surface and properly hydrating.

A survey was completed for the soil boring locations. Soil boring locations and elevations were surveyed, with elevations to the nearest 0.01-foot. The elevations were referenced to a designated above mean sea level benchmark.

2.1.2 Former Tar House Area

A Site-wide investigation was conducted in March 2011. As part of this investigation, one soil boring, SB100-11, was advanced in the approximate location of the former Tar House. Soil samples were collected for chemical analysis from the 0.5 to 2.5-foot interval immediately beneath a concrete slab (0 to 1-foot interval sample was comprised of concrete floor slab) and from the 8 to 10-foot interval below ground surface (bgs). The soil samples were submitted to the laboratory for chemical analysis for PCBs, Target Compound List (TCL) volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PNAs), and Target Analyte List (TAL) metals (minus earth metals). Based on the analytical results, PCBs were detected in the soil sample collected from 0.5 to 2.5 feet bgs from SB100-11 at a concentration of 3.3 mg/kg.

Based on the detection of PCBs above 1 mg/kg in the shallow soil sample collected from SB100-11, five additional soil borings were advanced in September 2011 (SB162-11 through SB166-11). Four soil borings (SB162-11 through SB165-11) were advanced on 3-meter (10-foot) spacing directly to the north, south, east, and west of SB100-11, and one soil boring (SB166-11) was advanced adjacent to SB100-11 to evaluate the vertical and horizontal PCB impacts consistent with 40 CFR 761 Subpart N "Cleanup Site Characterization Sampling for PCB Remediation Waste in Accordance with §761.61(a)(2)." Soil samples were collected for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete slab and continuing to approximately 10 feet bgs. Soil samples collected from the interval immediately beneath the concrete slab were analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Based on the analytical results, PCBs were detected in samples collected from SB165-11 (at 0 to 2 feet bgs, 2 to 4 feet bgs, and 4 to 6 feet bgs) and SB166-11 (at 0 to 2 feet bgs and 2 to 4 feet bgs) at concentrations above 1 mg/kg.

Based on the results of the September 2011 investigation, eight soil borings (SB200-12 through SB206-12, and SB215-12) were advanced in October 2012. Five soil borings (SB202-12 through SB206-12) were advanced on 3-meter (10-foot) spacing to the northwest, west, southwest, and south of SB165-11 to further evaluate the vertical and horizontal extent of impacts. An additional boring (SB215-12) was advanced adjacent to SB165-11 to further evaluate the vertical extent of impacts in this area. Two soil borings SB200-12 and SB201-12 were advanced on a 3-meter (10-foot) spacing to the northeast and southeast of SB166-11 to further evaluate the vertical and horizontal extent of impacts. Soil samples were collected from each boring for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete slab and continuing to approximately 10feet bgs. Based on the analytical results, PCBs were detected in a sample collected from SB203-12 (at 8 to 10 feet bgs) at a concentration above 1 mg/kg.

Based on the results of the October 2012 investigation, eight soil borings (SB223-13 through SB230-13) were advanced in April 2013. Seven soil borings (SB224-14 through SB230-13) were advanced on 3-meter (10-foot) spacing to the north, east, southeast, south, southwest, west, and northwest of SB203-12 to further evaluate the vertical and horizontal extent of impacts. One soil boring (SB223-13) was advanced adjacent to SB203-12 in order to confirm the original result and collect samples at deeper intervals. Based on the analytical results, PCBs were detected in samples collected from SB223-13 (at 8 to 10 feet bgs and 10 to 12 feet bgs), SB224-13 (at 10 to 12 feet bgs), SB225-13 (at 10 to 12 feet bgs), SB226-13 (at 6 to 8 feet bgs), SB227-13 (at 4 to 6 feet bgs, 6 to 8 feet bgs, and 8 to 10 feet bgs), and SB228-13 (at 2 to 4 feet bgs) at concentrations above 1 mg/kg.

Based on the results of the April 2013 investigation, the decision was made to modify the delineation approach presented in 40 CFR 761 Subpart N "Cleanup Site Characterization Sampling for PCB Remediation Waste in Accordance with §761.61(a)(2)" in order to reduce the number of samples necessary to characterize the PCB contamination in this area. 40 CFR 761 Subpart N identifies the utilization of a 3-meter (10-foot) spacing grid for the collection of characterization samples; this Plan proposes the use of an approximate 6-meter (20-foot) spacing grid for the collection of characterization samples, depending on Site conditions encountered. The rationale behind this modification is that the extent of soil removal associated with the former Tar House Area will ultimately be determined by verification soil sampling, which will be performed in accordance with 40 CFR 761 Subpart O "Sampling to Verify Completion of Self-Implementing Cleanup and On-Site Disposal of Bulk PCB Remediation Waste and Porous Surfaces," to the extent necessary to achieve the proposed clean-up goals (see Section 4.0).

Based on the above outlined approach, in August 2013 eight soil borings (SB255-13 through SB262-13) were advanced to the north, northeast, east, southeast, south, southwest, west, and northwest of the area of previous investigations at an approximate spacing of 10 to 20 feet beyond the outermost delineation grid boring. Soil samples were collected from immediately beneath the concrete slab/asphalt road to just above the water table (approximately 14 to 16 feet bgs). Samples were collected in 2-foot intervals and all samples were analyzed by the analytical laboratory. Based on the analytical results, PCBs were not detected in any of the samples collected at a concentration above 1 mg/kg.

Stratigraphic soil boring logs are presented in Appendix C. Table 1 presents a sample summary. Table 2 presents a summary of PCB analytical results for the former Tar House Area. Figure 3 presents the sample locations and analytical results.

2.1.3 Bulk Unload Area

A Site-wide investigation was conducted in March 2011. As part of this investigation, numerous soil borings were advanced in the Bulk Unload Area to further delineate identified impacts to soil from PNAs and metals. During this investigation, three soil borings (SB109-11 through SB111-11) were advanced and soil samples were collected for chemical analysis in 2-foot intervals from immediately beneath the asphalt parking lot to 10 feet bgs. The soil samples were submitted to the laboratory for chemical analysis for PCBs, TCL VOCs, PNAs, and TAL metals (minus earth metals). Based on the analytical results, PCBs were not detected in any of the samples collected at a concentration above 1 mg/kg.

A supplemental Site-wide investigation was conducted in September 2011 to further evaluate the PNA and metals impacts in the Bulk Unload Area. As part of this investigation, six soil

borings (SB146-11 through SB151-11) were advanced adjacent to the western Site boundary and along the perimeter of the Bulk Unload Area. As the objective of these borings was to further delineate the PNA and metals impacts in this area because PCB impacts had not yet been identified, an approximate 9-meter (30-foot) spacing between samples was utilized. As identified in Section 2.1.2, the extent of soil removal associated with the Bulk Unload Area will ultimately be determined by verification soil sampling, which will be performed in accordance with 40 CFR 761 Subpart O "Sampling to Verify Completion of Self-Implementing Cleanup and On-Site Disposal of Bulk PCB Remediation Waste and Porous Surfaces," to the extent necessary to achieve the proposed clean-up goals (see Section 4.0). Therefore, the modification to the sampling sample spacing is adequate for the purposes of characterization of the area for remedial evaluation and action. Soil samples were collected for chemical analysis in 2-foot intervals from immediately beneath the asphalt parking lot to 10 feet bgs. The soil samples were submitted to the laboratory for chemical analysis for PCBs, TCL VOCs, PNAs, and TAL metals (minus earth metals). Based on the analytical results, PCBs were detected in samples collected from SB147-11 (at 0 to 2 feet bgs), SB148-11 (at 0 to 2 feet bgs, 2 to 4 feet bgs, and 6 to 8 feet bgs), SB149-11 (at 0 to 2 feet bgs), and SB150-11 (at 0 to 2 feet bgs) at concentrations above 1 mg/kg.

Based on the results of the September 2011 investigation, two additional soil borings (SB207-12 and SB212-12) were advanced in November 2012 to evaluate the vertical and horizontal PCB impacts consistent with 40 CFR 761 Subpart N "Cleanup Site Characterization Sampling for PCB Remediation Waste in Accordance with §761.61(a)(2)," to the extent this was able to be performed based on Site conditions.. One soil boring (SB207-12) was advanced to the north of SB147-11 and one soil boring (SB-212-12) was advanced to the south of SB150-11 along the Site's western property boundary. Soil samples were collected for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete slab and continuing to approximately 10 feet bgs. Based on the analytical results, PCBs were detected in samples collected from SB207-12 (at 2 to 4 feet bgs and 4 to 6 feet bgs) at a concentration above 1 mg/kg.

Based on the results of the November 2012 investigation, two additional soil borings (SB232-13 and SB277-13) were advanced in April 2013 and October 2013 in order to evaluate the vertical and horizontal PCB impacts identified in SB207-12 consistent with 40 CFR 761 Subpart N. Soil samples were collected in 2-foot intervals to 10 feet bgs. Based on the analytical results, PCBs were not detected in any of the samples collected at a concentration above 1 mg/kg.

Based on the detections of PCBs in SB147-11, SB148-11, SB149-11, SB150-11, and SB207-12 along the western property line, which consists of an approximate 6-inch concrete curb, in the Bulk Unload Area at concentrations above 1 mg/kg, additional off-Site investigation will need to

be performed to delineate this area. Proposed off-Site delineation sampling is presented in Section 3.0.

Stratigraphic soil boring logs are presented in Appendix C. Table 1 presents a sample summary. Table 3 presents a summary of PCB analytical results for the Bulk Unload Area. Figure 4 presents the sample locations and analytical results.

2.1.4 Analytical Methods

The soil samples were submitted under chain-of-custody protocols to TestAmerica Laboratories of North Canton, Ohio, TriMatrix Laboratories of Grand Rapids, Michigan, or ALS Environmental Laboratory of Holland, Michigan. The soil samples were extracted and analyzed for individual Aroclors (Aroclors 1016, 1221, 1232, 1242, 1248, 1254, and 1260) and total PCBs utilizing U.S. EPA Method 3540C/3550C for extraction/preparation and Method 8082/8082A for chemical analysis consistent with SW-846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" 3rd Edition, and promulgated updates, November 1986.

Copies of analytical reports will be maintained and available for review by U.S. EPA and MDEQ as specified in Section 5.0.

2.1.5 Data Validation

All analytical data was assessed utilizing quality control criteria established by the Quality Assurance Project Plan (QAPP) for the on-going Part 201 investigation work at the Site. Data validation memoranda outlining the details of the data validation will be maintained and available for review by U.S. EPA and MDEQ as specified in Section 5.0.

2.2 Previous PCB-Impacted Soil Removal

In August 2012, RACER Trust remediated two areas within the former Main Manufacturing Building footprint that contained PCB contaminated soils. The work was performed under the June 2012 SIP (CRA, 2012) submitted to the U.S. EPA on June 7, 2012 and conditionally approved on August 6, 2012. Approximately 167 tons of soil exhibiting a PCB concentration greater than 1 ppm were excavated and disposed off-Site. A Completion Summary Report (CRA, 2013) was prepared and submitted to the U.S. EPA on May 16, 2013 after completion of the activities. Copies of the SIP and Completion Summary Report are presented in Appendix A and B, respectively.

Section 3.0 Additional Site Characterization

3.1 Field Procedures

Additional characterization sampling will be performed to evaluate the potential for off-Site impacts adjacent to the western property line of the Site near the Bulk Unload Area. The approximate locations of the soil borings is presented in Figure 4. Characterization sampling will be conducted utilizing a Geoprobe® direct-push rig, hand auger, manual probe, or similar device. This Plan proposes to modify the delineation approach presented in 40 CFR 761 Subpart N "Cleanup Site Characterization Sampling for PCB Remediation Waste in Accordance with §761.61(a)(2)." The procedures set forth in 40 CFR 761 Subpart N identify the utilization of a 3-meter (10-foot) spacing grid for the collection of characterization samples; this Plan proposes the use of an approximate 6-meter (20-foot) spacing grid for the collection of characterization samples, based on conditions encountered in the field. The rationale behind this modification is that the extent of soil removal associated will ultimately be determined by verification soil sampling, which will be performed in accordance with 40 CFR 761 Subpart O "Sampling to Verify Completion of Self-Implementing Cleanup and On-Site Disposal of Bulk PCB Remediation Waste and Porous Surfaces," to the extent necessary to achieve the proposed clean-up goals (see Section 4.0).

Samples will be collected from discrete 2-foot intervals. During collection, field staff will document the horizontal location and depth of each sample collected, characteristics of the soil following the USCS, and evidence of PCB impact, in any. Once collected, all samples will be directly placed in pre-cleaned sample containers, packed in a cooler on ice to maintain a cooler temperature of approximately 4°C, and shipped under chain-of-custody protocol to the subcontracted analytical laboratory. Sample analysis and reporting procedures will be completed in accordance with 40 CFR 761 Subpart N. Non-disposable sampling equipment will properly decontaminated between samples consistent with the self-implementation procedures identified in 40 CFR 761.79(c)(2). Disposal sampling equipment and personal protective equipment (PPE) waste generated during the activities will be containerized in DOT-approved 55-gallon drums and labeled for future characterization and off-Site disposal in accordance with 761.61(a)(5)(v)(A).

3.2 Field Procedures

Soil samples collected from within the proposed excavation areas will be composited in a grid pattern consistent with 40 CFR 761.289(b)(1)(i). All confirmatory sample collection and analyses procedures will be completed in accordance with 40 CFR 761 Subpart O. Should PCBs be detected in verification soil samples above 10 ppm, soil excavation and verification sampling will continue until the 10 ppm cleanup level is obtained and documented.

Section 4.0 Cleanup Plan Approach

4.1 Notification

This document is being submitted to the U.S. EPA, MDEQ, and KCHD consistent with 40 CFR 761.61(a)(3)(i).

A copy of the Notification of PCB Waste Activity Former (EPA Form 7710-53) was completed and submitted to the U.S. EPA for the Site consistent with 40 CFR 761.205 in 1990. A copy of the EPA Form 7710-53 and subsequent correspondence is presented in Appendix D.

4.2 Health and Safety

A Site-specific Health and Safety Plan (HASP) has been prepared consistent with 29 CFR 1910.120 for completion of the investigation and cleanup activities at the Site. As identified in the HASP, a Site health and safety officer will complete a hazard analysis for all activities. The hazard analysis will identify the potential hazards, evaluate the level of personal protective equipment that will be used during the investigation and remediation activities, and describe the decontamination procedures required to control any potential personal exposures during implementation of the cleanup plan. All work will be conducted by trained personnel, in accordance with the HASP.

4.3 Mobilization Activities

The following activities will be completed in conjunction with mobilization:

- The soil removal boundaries will be demarcated by a surveyor
- Any underground utilities in the area will be identified through a private utility locate and marked
- Exclusion zones in which the excavation activities will occur will be taped or fenced off, as necessary

4.4 Cleanup Plan

The overall cleanup objective for the former Tar House and Bulk Unload Areas is to excavate and properly dispose of impacted soils containing concentrations of PCBs greater than 10 ppm. The cleanup objective for the off-Site area, if determined to be impacted, will be provided in a supplemental document to this Plan, upon discussions with the property owner.

4.4.1 Soil Excavation and Backfilling

Based on the pre-cleanup characterization results, soil materials within the boundaries of the delineation to less than 10 ppm will be removed via excavation for off-Site disposal, as discussed below by area.

4.4.1.1 Former Tar House Area

Soils will be removed to approximately 4 feet bgs . The primary area of excavation will occur near SB165-11 and SB166-11 in order to remove soils with PCB concentrations exceeding 10 ppm. Approximately 100 cubic yards of soil is anticipated to be removed from the former Tar House Area for off-Site disposal. Following excavation, the area will be backfilled with clean fill material and topped with 6 inches of gravel. Figure 5 presents the approximate excavation area.

4.4.1.2 Bulk Unload Area

Soils will be removed to approximately 4 feet bgs. The primary area of excavation will include soils and concrete/asphalt present to the west of soil borings SB277-13, SB111-11, SB110-11, SB109-11, and SB151-11; to the south of SB232-13; and to the north of SB212-12. Soil and concrete/asphalt will be removed until reaching the fence along the property boundary. Approximately 132 cubic yards of soil is anticipated to be removed from the Bulk Unload Area for off-Site disposal. Following excavation, the area will be backfilled with clean fill material and topped with 6 inches of gravel. Figure 6 presents the approximate excavation area.

4.4.2 Verification Sampling

No deviations are proposed from 40 CFR 761(a).

Soil samples collected from within the proposed excavation areas will be composited in a grid pattern consistent with 40 CFR 761.289(b)(1)(i). All confirmatory sample collection and analyses procedures will be completed in accordance with 40 CFR 761 Subpart O. Should PCBs be detected in verification soil samples above 10 ppm, soil excavation and verification sampling will continue until the 10 ppm cleanup level is obtained and documented.

4.4.3 Cleanup Levels and Future Use

As noted, the Site is restricted to industrial uses and the property is secure. The areas where PCBs were identified to be present at concentrations above the High Occupancy Cleanup Level of 1 ppm for bulk remediation waste (without further conditions) will be restricted to use for

Low Occupancy as defined under 40 CFR 761. However, a cleanup level of 10 ppm is proposed, with concentrations of PCBs in soil remaining at concentrations greater than 1 ppm but less than or equal to 10 ppm in the event future Site occupants want to meet conditions in 40 CFR 761 that would allow for High Occupancy use of these areas. These areas with delineated residual contamination at the concentrations identified above will have a deed restriction meeting the requirements of 40 CFR 761.61(a)(8), which will allow for use of the property for those uses and exposures that would meet the definition of a Low Occupancy Area.

4.4.4 Excavation Survey

Following excavation and prior to backfilling, the horizontal and vertical extent of each excavation will be surveyed to document the extent of the remedial activities. Prior to backfilling, a demarcation layer will be placed.

4.4.5 Decontamination

Equipment such as the excavator bucket and non-disposal sampling tools that may have or may have contacted PCB-impacted material will be decontaminated consistent with the self-implementing procedures in 40 CFR 761.79(c)(2).

4.4.6 Transportation and Off-Site Disposal

Based on the pre-cleanup characterization, all materials have a PCB concentration of less than 50 ppm. Consistent with 40 CFR 761.61(a)(5)(i)(B)(2)(ii), soil with PCB concentrations less than 50 ppm will be disposed of at Waste Management's Autumn Hills Landfill in Zeeland, Michigan. Non-liquid cleaning materials (e.g. rags) and personal protective equipment (PPE) generated during the implementation of the cleanup plan will also be disposed of at Autumn Hills Landfill consistent with 40 CFR 761.61(a)(5)(v). Concrete or asphalt present above the soils to be removed will be disposed of in conjunction with the excavated soils. Manifests will be prepared and will accompany the loads in accordance with 40 CFR 761 Subpart K.

4.5 Deed Restrictions

Deed restrictions will be placed on the Site for the Former Tar House and Bulk Unload areas consistent with 40 CFR 761.61(a)(8). Within 60 days of completion of the cleanup (i.e., upon submittal of the final PCB cleanup report), a notation on the deed to the property will be recorded that will provide notification to any potential purchaser of the property that the property has been used for PCB remediation waste disposal and of the use restrictions that are in place. The deed restriction will also identify the specific remaining PCB concentrations. The proposed deed restriction areas are presented on Figures 5 and 6 for the Former Tar House and

Bulk Unload Areas, respectively. Consistent with 40 CFR 761.61(a)(8)(i)(B), a certification will be submitted to the U.S. EPA, signed by the property owner, indicating that deed recording has been completed as specified.

4.6 Recordkeeping and Reporting

Records of the implementation of the cleanup plan, including copies of analytical laboratory reports and data validation, will be kept consistent with the below for at least 5 years consistent with 40 CFR 761.61(a)(9). Upon completion of cleanup activities, a report will be provided to the U.S. EPA.

Section 5.0 Certification Statement

Pursuant to 40 CFR 761.61 (a)(3)(i)(E), all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrument/chemical analysis procedures used to assess or characterize the PCB contamination related to the investigation and cleanup activities specified herein will be maintained in the following location and accessible for inspection by U.S. EPA:

- Conestoga-Rovers & Associates, Inc.
  Attn: Jennifer Quigley, P.E.
  200 West Allegan Street, Suite 300
  Plainwell, Michigan 49080-1397

RACER Trust has retained Conestoga-Rovers & Associates, Inc. (CRA). CRA, as the Engineer, represents RACER Trust and will act as the party implementing the cleanup plan in accordance with 40 CFR 761.61.

Barbara VanDuren — 8/26/14
Property Owner's Representative Signature — *Date*

Barbara Van Duren
Property Owner's Representative Printed Name

1155 28th Street SW, Wyoming, MI 49509
Address of Property Owner

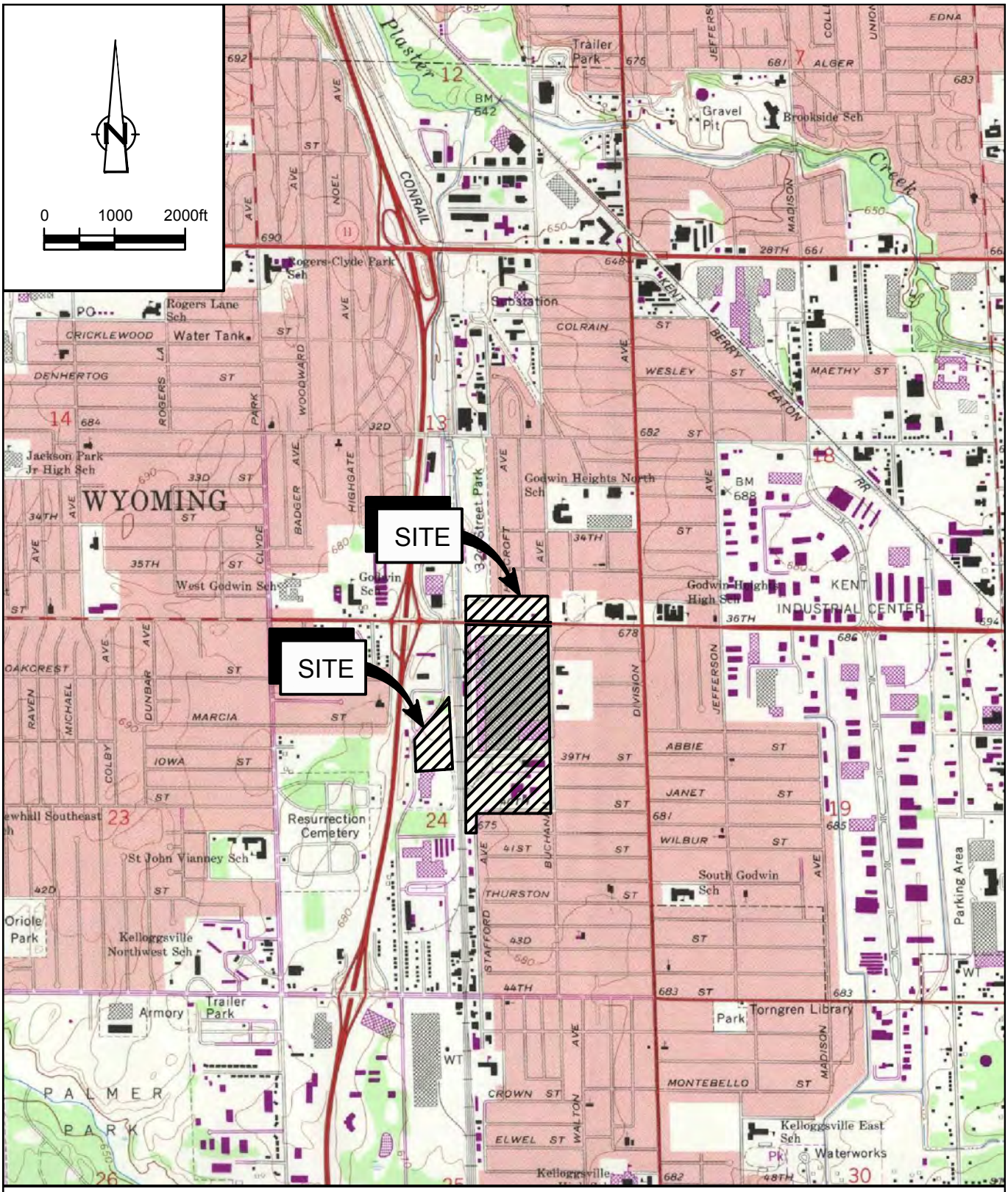
Jeni Quigley FOR DAVE FAVERO — 8/26/14
Cleanup Party's Representative Signature — *Date*

David Favero, Deputy Cleanup Manager
Cleanup Party's Representative Printed Name

500 Woodward Avenue, Suite 1510, Detroit, Michigan 48226
Address of Cleanup Party

Section 6.0 References

- CRA, 2012. Self-Implementing Plan for the Remediation of PCB-Impacted Soils Pursuant to 40 CFR 761.61(a), Former Grand Rapids Metal Plant, 300 36th Street SW, Wyoming, Michigan, CRA, June 2012
- CRA, 2013. Soil Containing PCB Cleanup Completion Summary Report, Former Grand Rapids Metal Plant, 300 36th Street SW, Wyoming, Michigan, CRA, May 2013
- SME, 2011. PCB Remediation Notification and Certification Letter, Former GM Metal Stamping Plant, 300 36th Street SW, Wyoming, Kent County, Michigan 49548, SME, September 19, 2011



SOURCE: USGS QUADRANGLE MAP
GRAND RAPIDS - EAST - MICHIGAN

figure 1

GRAND RAPIDS

SITE LOCATION
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

017360-T12(032)GN-DE001 MAR 31/2014

RESIDENTIAL
COMMERCIAL
COMMERCIAL/INDUSTRIAL
COMMERCIAL/RESIDENTIAL
RESIDENTIAL
RESIDENTIAL
BUCHANAN AVENUE
36TH STREET
40TH STREET
STAFFORD AVENUE
CLAY AVE.
FORMER MAIN MANUFACTURING BUILDING
FORMER RACK MAKE-UP BUILDING
FORMER POWER HOUSE
FORMER PUMP HOUSE
FORMER 500,000 GALLON WATER STORAGE TANK
FORMER USED OIL AST
FORMER PRESS STAGING BUILDING
FORMER TP
FORMER BALER HOUSE
RAMP
PRIMARY SWITCH HOUSE
GUARD HOUSE
TRUCK SCALE PIT
FORMER TAR HOUSE PCB AREA
BULK UNLOAD PCB AREA
STORM SEWER PUMP HOUSE
FORMER METAL STORAGE SHED
GOODWILL HEIGHTS PUBLIC SCHOOLS ATHLETIC FIELDS
STORM WATER RETENTION BASIN
SHOEMAKER PROPERTIES LLC.
FORMER EMPLOYEE ENTRANCE BUILDING
PARCEL PURCHASED BY KENDALL ELECTRIC INC.
S4GR LLC.
3821 CLAY LLC.
THE MACOMB GROUP
RYDER TRUCK RENTAL
S4GR LLC. (CUMMINS)
0 100 250ft

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- DELINEATED AREA OF PCB IMPACTED SOIL EVALUATION
- AREA OF OFF-SITE EVALUATION
- FENCE
- RAILROAD
- COLE DRAIN

figure 2

SITE PLAN AND PCB-IMPACTED AREAS
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

017360-T12(032)GN-DE002 APR 9/2014

SB255-13	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg	8/19/2013 (14-16) ft BGS mg/kg
PCBs							
Total PCBs	ND	ND	ND	ND/ND	ND	ND	ND

SB256-13	8/19/2013 (0-2) ft BGS mg/kg	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg	8/19/2013 (14-16) ft BGS mg/kg
PCBs								
Total PCBs	ND	ND	ND	ND	ND/ND	ND	ND	ND

SB257-13	8/19/2013 (0-2) ft BGS mg/kg	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg
PCBs							
Total PCBs	ND	ND	ND/ND	ND	ND	ND	ND

SB215-12	10/31/2012 (6-8) ft BGS mg/kg	10/31/2012 (8-10) ft BGS mg/kg
PCBs		
Total PCBs	0.0059 J	0.0068 J

SB200-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg
PCBs			
Total PCBs	0.04 J	0.004 J/0.0045 J	ND

SB201-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg
PCBs			
Total PCBs	0.049 J	0.038 J	0.046 J

SB202-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg
PCBs			
Total PCBs	0.071 J	0.66	0.062 J

SB100-11	3/15/2011 (0.5-2.5) ft BGS mg/kg	3/15/2011 (8-10) ft BGS mg/kg
PCBs		
Total PCBs	3.3 {a}	ND

SB166-11	9/29/2011 (0-2) ft BGS mg/kg	9/29/2011 (2-4) ft BGS mg/kg	9/29/2011 (4-6) ft BGS mg/kg
PCBs			
Total PCBs	12 {ab}	6.4 {a}	ND

SB164-11	9/29/2011 (0-2) ft BGS mg/kg
PCBs	
Total PCBs	0.078/0.14

SB162-11	9/29/2011 (0-2) ft BGS mg/kg
PCBs	
Total PCBs	0.56

SB223-13	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs			
Total PCBs	0.077 J	1.2 {a}	8.2 {a}

SB163-11	9/29/2011 (0-2) ft BGS mg/kg
PCBs	
Total PCBs	ND

SB224-13	4/23/2013 (0-2) ft BGS mg/kg	4/23/2013 (2-4) ft BGS mg/kg	4/23/2013 (4-6) ft BGS mg/kg	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs						
Total PCBs	ND	ND	ND	ND	0.37	1.1 {a}

SB262-13	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg
PCBs						
Total PCBs	ND	ND	ND	ND/ND	ND	ND

SB258-13	8/19/2013 (0-2) ft BGS mg/kg	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg
PCBs						
Total PCBs	0.062 J	ND	0.038 J	ND	ND/ND	ND

SB165-11	9/29/2011 (0-2) ft BGS mg/kg	9/29/2011 (2-4) ft BGS mg/kg	9/29/2011 (4-6) ft BGS mg/kg
PCBs			
Total PCBs	3 {a}	13 {ab}	3.8 {a}

SB206-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg
PCBs			
Total PCBs	0.033 J	0.028 J	0.038 J

SB225-13	4/23/2013 (0-2) ft BGS mg/kg	4/23/2013 (2-4) ft BGS mg/kg	4/23/2013 (4-6) ft BGS mg/kg	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs						
Total PCBs	ND	ND	0.16 J	0.39/0.44	0.41	1.7 {a}

SB205-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg
PCBs			
Total PCBs	0.076 J	0.063 J	0.06 J

SB204-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg
PCBs			
Total PCBs	0.68	0.88	0.15 J

SB229-13	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs			
Total PCBs	0.58	ND	0.21 J

SB226-13	4/23/2013 (0-2) ft BGS mg/kg	4/23/2013 (2-4) ft BGS mg/kg	4/23/2013 (4-6) ft BGS mg/kg	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs						
Total PCBs	0.075 J	0.14 J	0.39	1.1 {a}	ND	ND

SB261-13	8/19/2013 (0-2) ft BGS mg/kg	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg
PCBs							
Total PCBs	ND	ND	ND	ND	ND	ND	ND

SB228-13	4/23/2013 (0-2) ft BGS mg/kg	4/23/2013 (2-4) ft BGS mg/kg	4/23/2013 (4-6) ft BGS mg/kg	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs						
Total PCBs	0.58	2.3 {a}	ND	ND	ND	ND/ND

SB230-13	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs		
Total PCBs	0.94	ND

SB203-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg	10/31/2012 (8-10) ft BGS mg/kg
PCBs				
Total PCBs	0.24 J/0.25 J	0.38	0.19 J	1.3 {a}

SB227-13	4/23/2013 (0-2) ft BGS mg/kg	4/23/2013 (2-4) ft BGS mg/kg	4/23/2013 (4-6) ft BGS mg/kg	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs						
Total PCBs	0.42	0.6	1.5 {a}	3 {a}	2.7 {a}	ND

SB260-13	8/19/2013 (0-2) ft BGS mg/kg	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg
PCBs							
Total PCBs	ND	ND	ND/ND	ND	ND	ND	ND

SB259-13	8/19/2013 (0-2) ft BGS mg/kg	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg
PCBs							
Total PCBs	ND	ND/ND	ND	ND	ND	ND	ND

SB255-13 SB256-13 SB257-13 SB200-12 SB201-12 SB215-12 SB202-12 SB100-11 SB164-11 SB162-11 SB223-13 SB166-11 SB163-11 SB201-12 SB224-13 SB262-13 SB258-13 SB165-11 SB215-12 SB202-12 SB223-13 SB224-13 SB206-12 SB225-13 SB205-12 SB204-12 SB229-13 SB203-12 SB230-13 SB228-13 SB227-13 SB226-13 SB261-13 SB259-13 SB260-13 SB203-12 SB230-13

AOI 24

STORM SE□ER PUMP HOUSE

C

51

N0	Re□isi□□	D□te	I□it□□

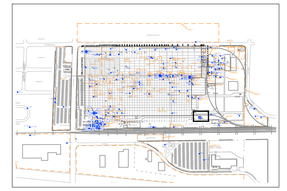
0 5 10ft

LEGEND

- SB261-13 SOIL BORING LOCATIONS
- APPROXIMATE SITE BOUNDARY
- FENCE
- RAILROAD
- APPROXIMATE AOI

SB203-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg	10/31/2012 (8-10) ft BGS mg/kg
PCBs				
T□t□l PCBs	0.24 J/0.25 J	0.38	0.19 J	1.3 □□□

SAMPLE ID
DATE
DEPTH
UNIT
RESULTS
CHEMICAL NAME



KEY MAP

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Appr□□ed

DRA□ ING STATUS

St□tus	D□te	I□it□□

DELINEATION SAMPLE LOCATIONS □ ANALYTICAL RESULTS

FORMER TAR HOUSE

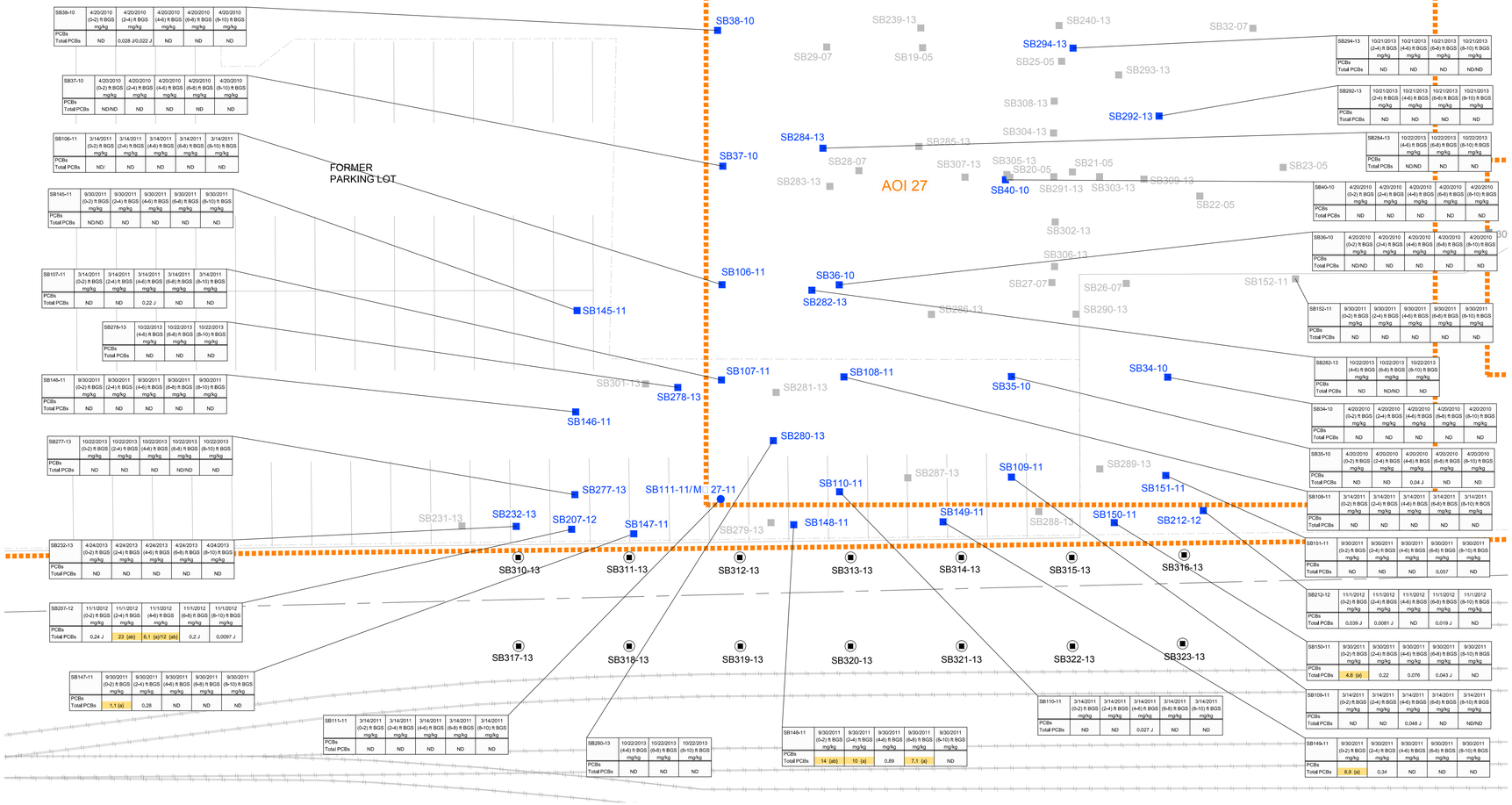
FORMER GRAND RAPIDS METAL PLANT
□ YOMING□MICHIGAN

CONESTOGA-ROVERS & ASSOCIATES

S□ur□e Refere□□e□

Pr□□e□t M□□ger□	Re□le□□ed B□□	D□te□	
J. Q.	E. B.	MARCH 2014	
S□□□e□	Pr□□e□t N□□	Rep□rt N□□	Dr□□□i□g N□□
1:10	017360-T12	032	Figure 3

017360-T12(032)GN-DE003 MAR 31/2014



SB38-10	4/20/2010 (0-2) ft BGS mg/kg	4/20/2010 (2-4) ft BGS mg/kg	4/20/2010 (4-6) ft BGS mg/kg	4/20/2010 (6-8) ft BGS mg/kg	4/20/2010 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	0.028 J[0.022 J]	ND	ND	ND

SB37-10	4/20/2010 (0-2) ft BGS mg/kg	4/20/2010 (2-4) ft BGS mg/kg	4/20/2010 (4-6) ft BGS mg/kg	4/20/2010 (6-8) ft BGS mg/kg	4/20/2010 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND/ND	ND	ND	ND	ND

SB106-11	3/14/2011 (0-2) ft BGS mg/kg	3/14/2011 (2-4) ft BGS mg/kg	3/14/2011 (4-6) ft BGS mg/kg	3/14/2011 (6-8) ft BGS mg/kg	3/14/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND/	ND	ND	ND	ND

SB145-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND/ND	ND	ND	ND	ND

SB107-11	3/14/2011 (0-2) ft BGS mg/kg	3/14/2011 (2-4) ft BGS mg/kg	3/14/2011 (4-6) ft BGS mg/kg	3/14/2011 (6-8) ft BGS mg/kg	3/14/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	0.22 J	ND	ND

SB278-13	10/22/2013 (4-6) ft BGS mg/kg	10/22/2013 (6-8) ft BGS mg/kg	10/22/2013 (8-10) ft BGS mg/kg
PCBs			
Total PCBs	ND	ND	ND

SB146-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB277-13	10/22/2013 (0-2) ft BGS mg/kg	10/22/2013 (2-4) ft BGS mg/kg	10/22/2013 (4-6) ft BGS mg/kg	10/22/2013 (6-8) ft BGS mg/kg	10/22/2013 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND/ND	ND

SB230-13	4/24/2013 (0-2) ft BGS mg/kg	4/24/2013 (2-4) ft BGS mg/kg	4/24/2013 (4-6) ft BGS mg/kg	4/24/2013 (6-8) ft BGS mg/kg	4/24/2013 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB207-12	11/1/2012 (0-2) ft BGS mg/kg	11/1/2012 (2-4) ft BGS mg/kg	11/1/2012 (4-6) ft BGS mg/kg	11/1/2012 (6-8) ft BGS mg/kg	11/1/2012 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	0.24 J	23 (ab)	6.1 (a)[12 (ab)]	0.2 J	0.0097 J

SB147-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	1.1 (a)	0.28	ND	ND	ND

SB111-11	3/14/2011 (0-2) ft BGS mg/kg	3/14/2011 (2-4) ft BGS mg/kg	3/14/2011 (4-6) ft BGS mg/kg	3/14/2011 (6-8) ft BGS mg/kg	3/14/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB280-13	10/22/2013 (4-6) ft BGS mg/kg	10/22/2013 (6-8) ft BGS mg/kg	10/22/2013 (8-10) ft BGS mg/kg
PCBs			
Total PCBs	ND	ND	ND

SB148-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	14 (ab)	10 (a)	0.89	7.1 (a)	ND

SB110-11	3/14/2011 (0-2) ft BGS mg/kg	3/14/2011 (2-4) ft BGS mg/kg	3/14/2011 (4-6) ft BGS mg/kg	3/14/2011 (6-8) ft BGS mg/kg	3/14/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	0.027 J	ND	ND

SB294-13	10/21/2013 (2-4) ft BGS mg/kg	10/21/2013 (4-6) ft BGS mg/kg	10/21/2013 (6-8) ft BGS mg/kg	10/21/2013 (8-10) ft BGS mg/kg
PCBs				
Total PCBs	ND	ND	ND	ND/ND

SB292-13	10/21/2013 (2-4) ft BGS mg/kg	10/21/2013 (4-6) ft BGS mg/kg	10/21/2013 (6-8) ft BGS mg/kg	10/21/2013 (8-10) ft BGS mg/kg
PCBs				
Total PCBs	ND	ND	ND	ND

SB284-13	10/22/2013 (4-6) ft BGS mg/kg	10/22/2013 (6-8) ft BGS mg/kg	10/22/2013 (8-10) ft BGS mg/kg
PCBs			
Total PCBs	ND/ND	ND	ND

SB40-10	4/20/2010 (0-2) ft BGS mg/kg	4/20/2010 (2-4) ft BGS mg/kg	4/20/2010 (4-6) ft BGS mg/kg	4/20/2010 (6-8) ft BGS mg/kg	4/20/2010 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB36-10	4/20/2010 (0-2) ft BGS mg/kg	4/20/2010 (2-4) ft BGS mg/kg	4/20/2010 (4-6) ft BGS mg/kg	4/20/2010 (6-8) ft BGS mg/kg	4/20/2010 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND/ND	ND	ND	ND	ND

SB152-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB282-13	10/22/2013 (4-6) ft BGS mg/kg	10/22/2013 (6-8) ft BGS mg/kg	10/22/2013 (8-10) ft BGS mg/kg
PCBs			
Total PCBs	ND	ND/ND	ND

SB34-10	4/20/2010 (0-2) ft BGS mg/kg	4/20/2010 (2-4) ft BGS mg/kg	4/20/2010 (4-6) ft BGS mg/kg	4/20/2010 (6-8) ft BGS mg/kg	4/20/2010 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB35-10	4/20/2010 (0-2) ft BGS mg/kg	4/20/2010 (2-4) ft BGS mg/kg	4/20/2010 (4-6) ft BGS mg/kg	4/20/2010 (6-8) ft BGS mg/kg	4/20/2010 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	0.04 J	ND	ND

SB108-11	3/14/2011 (0-2) ft BGS mg/kg	3/14/2011 (2-4) ft BGS mg/kg	3/14/2011 (4-6) ft BGS mg/kg	3/14/2011 (6-8) ft BGS mg/kg	3/14/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB151-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	0.057	ND

SB212-12	11/1/2012 (0-2) ft BGS mg/kg	11/1/2012 (2-4) ft BGS mg/kg	11/1/2012 (4-6) ft BGS mg/kg	11/1/2012 (6-8) ft BGS mg/kg	11/1/2012 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	0.039 J	0.0081 J	ND	0.019 J	ND

SB150-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	4.8 (a)	0.22	0.076	0.043 J	ND

SB109-11	3/14/2011 (0-2) ft BGS mg/kg	3/14/2011 (2-4) ft BGS mg/kg	3/14/2011 (4-6) ft BGS mg/kg	3/14/2011 (6-8) ft BGS mg/kg	3/14/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	0.048 J	ND	ND/ND

SB149-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	8.9 (a)	0.34	ND	ND	ND

No	Revision	Date	Initials

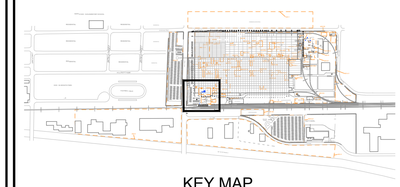
0 15ft

LEGEND

- SB380-13 PROPOSED OFF-SITE SOIL BORING LOCATION
- SB295-13 SOIL BORING LOCATIONS
- T-20-2 HISTORICAL SAMPLE LOCATION
- M-6-03 HISTORICAL MONITORING WELL LOCATION
- APPROXIMATE SITE BOUNDARY
- FENCE
- RAILROAD
- APPROXIMATE AOI

SB148-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	14 (ab)	10 (a)	0.89	7.1 (a)	ND

SAMPLE ID
DATE
DEPTH
UNIT
RESULTS
CHEMICAL NAME



KEY MAP

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initials

DELINEATION SAMPLE LOCATIONS ANALYTICAL RESULTS

BULK UNLOAD AREA

FORMER GRAND RAPIDS METAL PLANT
YOMING MICHIGAN

CONESTOGA-ROVERS & ASSOCIATES

Source Reference

Project Manager	Released By	Date
J.Q.	E.B.	MARCH 2014
Scale	Project No.	Report No.	Drawing No.
1:15	017360-T12	032	Figure 4

SB255-13	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg	8/19/2013 (14-16) ft BGS mg/kg
PCBs Total PCBs	ND	ND	ND	ND/ND	ND	ND	ND

SB256-13	8/19/2013 (0-2) ft BGS mg/kg	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg	8/19/2013 (14-16) ft BGS mg/kg
PCBs Total PCBs	ND	ND	ND	ND	ND/ND	ND	ND	ND

SB257-13	8/19/2013 (0-2) ft BGS mg/kg	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg
PCBs Total PCBs	ND	ND	ND/ND	ND	ND	ND	ND

SB200-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg
PCBs Total PCBs	0.04 J	0.004 J/0.0045 J	ND

SB201-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg
PCBs Total PCBs	0.049 J	0.038 J	0.046 J

SB215-12	10/31/2012 (6-8) ft BGS mg/kg	10/31/2012 (8-10) ft BGS mg/kg
PCBs Total PCBs	0.0059 J	0.0068 J

SB100-11	3/15/2011 (0.5-2.5) ft BGS mg/kg	3/15/2011 (8-10) ft BGS mg/kg
PCBs Total PCBs	3.3 {a}	ND

SB164-11	9/29/2011 (0-2) ft BGS mg/kg
PCBs Total PCBs	0.078/0.14

SB162-11	9/29/2011 (0-2) ft BGS mg/kg
PCBs Total PCBs	0.56

SB202-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg
PCBs Total PCBs	0.071 J	0.66	0.062 J

SB166-11	9/29/2011 (0-2) ft BGS mg/kg	9/29/2011 (2-4) ft BGS mg/kg	9/29/2011 (4-6) ft BGS mg/kg
PCBs Total PCBs	12 {ab}	6.4 {a}	ND

SB223-13	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs Total PCBs	0.077 J	1.2 {a}	8.2 {a}

SB163-11	9/29/2011 (0-2) ft BGS mg/kg
PCBs Total PCBs	ND

SB224-13	4/23/2013 (0-2) ft BGS mg/kg	4/23/2013 (2-4) ft BGS mg/kg	4/23/2013 (4-6) ft BGS mg/kg	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs Total PCBs	ND	ND	ND	ND	0.37	1.1 {a}

SB262-13	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg
PCBs Total PCBs	ND	ND	ND	ND/ND	ND	ND

SB258-13	8/19/2013 (0-2) ft BGS mg/kg	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg
PCBs Total PCBs	0.062 J	ND	0.038 J	ND	ND/ND	ND

SB165-11	9/29/2011 (0-2) ft BGS mg/kg	9/29/2011 (2-4) ft BGS mg/kg	9/29/2011 (4-6) ft BGS mg/kg
PCBs Total PCBs	3 {a}	13 {ab}	3.8 {a}

SB225-13	4/23/2013 (0-2) ft BGS mg/kg	4/23/2013 (2-4) ft BGS mg/kg	4/23/2013 (4-6) ft BGS mg/kg	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs Total PCBs	ND	ND	0.16 J	0.39/0.44	0.41	1.7 {a}

SB206-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg
PCBs Total PCBs	0.033 J	0.028 J	0.038 J

SB205-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg
PCBs Total PCBs	0.076 J	0.063 J	0.06 J

SB204-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg
PCBs Total PCBs	0.68	0.88	0.15 J

SB226-13	4/23/2013 (0-2) ft BGS mg/kg	4/23/2013 (2-4) ft BGS mg/kg	4/23/2013 (4-6) ft BGS mg/kg	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs Total PCBs	0.075 J	0.14 J	0.39	1.1 {a}	ND	ND

SB229-13	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs Total PCBs	0.58	ND	0.21 J

SB261-13	8/19/2013 (0-2) ft BGS mg/kg	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg
PCBs Total PCBs	ND	ND	ND	ND	ND	ND	ND

SB260-13	8/19/2013 (0-2) ft BGS mg/kg	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg
PCBs Total PCBs	ND	ND	ND/ND	ND	ND	ND	ND

SB228-13	4/23/2013 (0-2) ft BGS mg/kg	4/23/2013 (2-4) ft BGS mg/kg	4/23/2013 (4-6) ft BGS mg/kg	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs Total PCBs	0.58	2.3 {a}	ND	ND	ND	ND/ND

SB230-13	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs Total PCBs	0.94	ND

SB227-13	4/23/2013 (0-2) ft BGS mg/kg	4/23/2013 (2-4) ft BGS mg/kg	4/23/2013 (4-6) ft BGS mg/kg	4/23/2013 (6-8) ft BGS mg/kg	4/23/2013 (8-10) ft BGS mg/kg	4/23/2013 (10-12) ft BGS mg/kg
PCBs Total PCBs	0.42	0.6	1.5 {a}	3 {a}	2.7 {a}	ND

SB203-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg	10/31/2012 (8-10) ft BGS mg/kg
PCBs Total PCBs	0.24 J/0.25 J	0.38	0.19 J	1.3 {a}

SB259-13	8/19/2013 (0-2) ft BGS mg/kg	8/19/2013 (2-4) ft BGS mg/kg	8/19/2013 (4-6) ft BGS mg/kg	8/19/2013 (6-8) ft BGS mg/kg	8/19/2013 (8-10) ft BGS mg/kg	8/19/2013 (10-12) ft BGS mg/kg	8/19/2013 (12-14) ft BGS mg/kg
PCBs Total PCBs	ND	ND/ND	ND	ND	ND	ND	ND

SB255-13 SB256-13 SB257-13 SB200-12 SB201-12 SB215-12 SB100-11 SB164-11 SB162-11 SB202-12 SB166-11 SB223-13 SB163-11 SB224-13 SB262-13 SB258-13 SB165-11 SB225-13 SB206-12 SB205-12 SB204-12 SB229-13 SB203-12 SB230-13 SB228-13 SB227-13 SB226-13 SB261-13 SB259-13 SB260-13 SB163-11 SB166-11 SB162-11 SB215-12 SB202-12 SB223-13 SB224-13 SB165-11 SB206-12 SB205-12 SB204-12 SB229-13 SB203-12 SB230-13 SB225-13 SB228-13 SB227-13 SB226-13

AOI 24

STORM SE ER PUMP HOUSE

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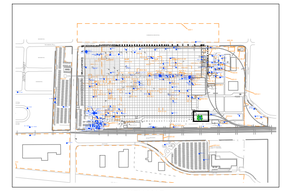
LEGEND

- SB261-13 SOIL BORING LOCATIONS
- APPROXIMATE SITE BOUNDARY
- FENCE
- RAILROAD
- APPROXIMATE AOI
- APPROXIMATE EXCAVATION AREA
- APPROXIMATE DEED RESTRICTION AREA

SB203-12	10/31/2012 (0-2) ft BGS mg/kg	10/31/2012 (2-4) ft BGS mg/kg	10/31/2012 (4-6) ft BGS mg/kg	10/31/2012 (8-10) ft BGS mg/kg
PCBs T l : PCBs	0.24 J/0.25 J	0.38	0.19 J	1.3 {a}

SAMPLE ID
DATE
DEPTH
UNIT
RESULTS
CHEMICAL NAME



KEY MAP

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Appr ed

DRA ING STATUS

St tus	D te	I iti

APPROXIMATE EXCAVATION AND DEED RESTRICTION AREAS

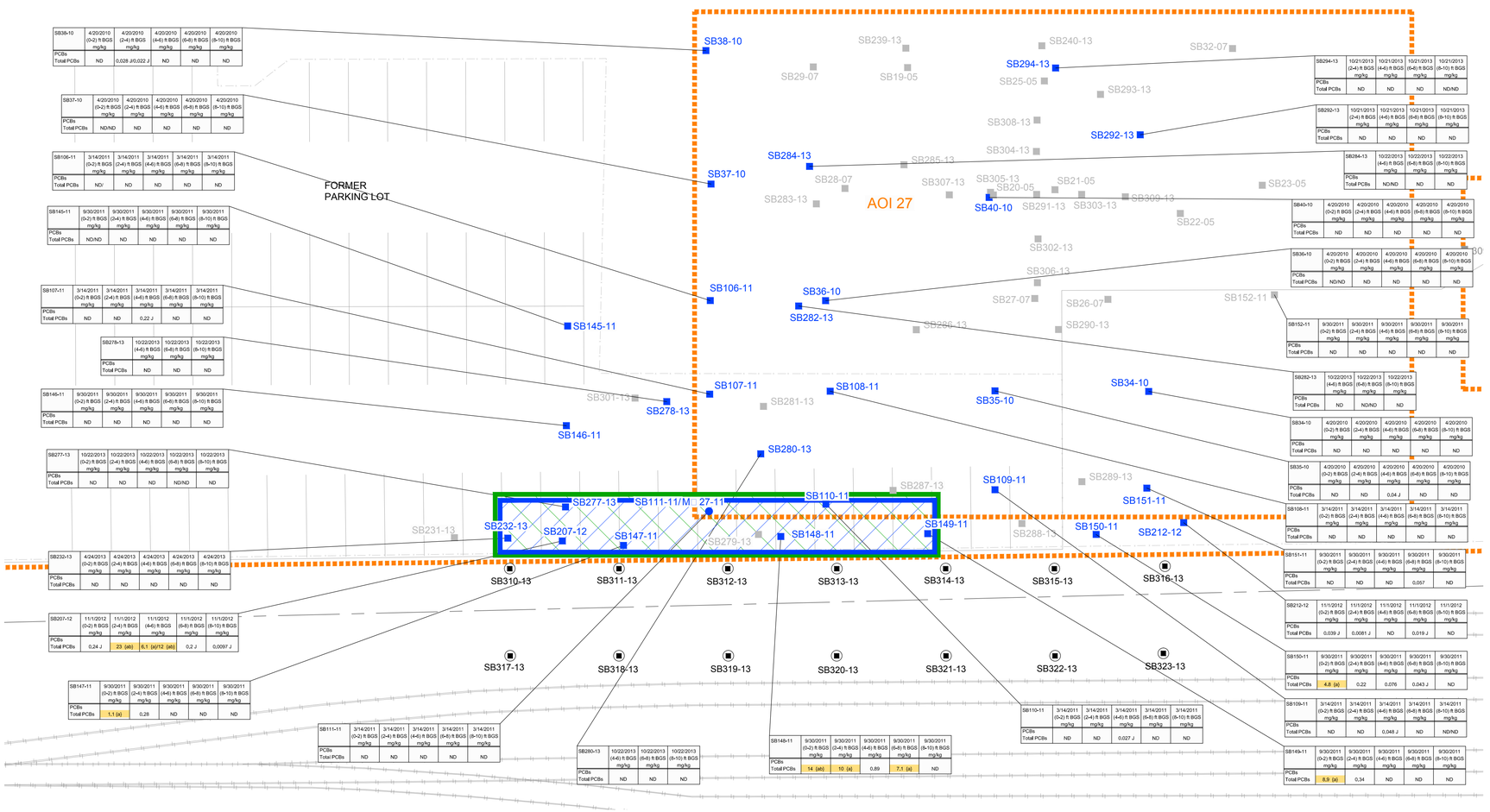
FORMER TAR HOUSE

FORMER GRAND RAPIDS METAL PLANT
YOMING MICHIGAN

CONESTOGA-ROVERS & ASSOCIATES

S ur e Refere e

Pr e t M ger	Re le ed B	D te
J. Q.	E. B.	APRIL 2014
S e	**Pr e t N**	**Rep rt N** / **Dr g N**
1:10	017360-T12	032 / Figure 5



SB38-10	4/20/2010 (0-2) ft BGS mg/kg	4/20/2010 (2-4) ft BGS mg/kg	4/20/2010 (4-6) ft BGS mg/kg	4/20/2010 (6-8) ft BGS mg/kg	4/20/2010 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	0.028 J/0.022 J	ND	ND	ND

SB37-10	4/20/2010 (0-2) ft BGS mg/kg	4/20/2010 (2-4) ft BGS mg/kg	4/20/2010 (4-6) ft BGS mg/kg	4/20/2010 (6-8) ft BGS mg/kg	4/20/2010 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND/ND	ND	ND	ND	ND

SB106-11	3/14/2011 (0-2) ft BGS mg/kg	3/14/2011 (2-4) ft BGS mg/kg	3/14/2011 (4-6) ft BGS mg/kg	3/14/2011 (6-8) ft BGS mg/kg	3/14/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND/	ND	ND	ND	ND

SB145-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND/ND	ND	ND	ND	ND

SB107-11	3/14/2011 (0-2) ft BGS mg/kg	3/14/2011 (2-4) ft BGS mg/kg	3/14/2011 (4-6) ft BGS mg/kg	3/14/2011 (6-8) ft BGS mg/kg	3/14/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	0.22 J	ND	ND

SB278-13	10/22/2013 (4-6) ft BGS mg/kg	10/22/2013 (6-8) ft BGS mg/kg	10/22/2013 (8-10) ft BGS mg/kg
PCBs			
Total PCBs	ND	ND	ND

SB146-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB277-13	10/22/2013 (0-2) ft BGS mg/kg	10/22/2013 (2-4) ft BGS mg/kg	10/22/2013 (4-6) ft BGS mg/kg	10/22/2013 (6-8) ft BGS mg/kg	10/22/2013 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND/ND	ND

SB232-13	4/24/2013 (0-2) ft BGS mg/kg	4/24/2013 (2-4) ft BGS mg/kg	4/24/2013 (4-6) ft BGS mg/kg	4/24/2013 (6-8) ft BGS mg/kg	4/24/2013 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB207-12	11/1/2012 (0-2) ft BGS mg/kg	11/1/2012 (2-4) ft BGS mg/kg	11/1/2012 (4-6) ft BGS mg/kg	11/1/2012 (6-8) ft BGS mg/kg	11/1/2012 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	0.24 J	23 (ab)	6.1 (a)/12 (ab)	0.2 J	0.0097 J

SB147-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	1.1 (a)	0.28	ND	ND	ND

SB111-11	3/14/2011 (0-2) ft BGS mg/kg	3/14/2011 (2-4) ft BGS mg/kg	3/14/2011 (4-6) ft BGS mg/kg	3/14/2011 (6-8) ft BGS mg/kg	3/14/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB280-13	10/22/2013 (4-6) ft BGS mg/kg	10/22/2013 (6-8) ft BGS mg/kg	10/22/2013 (8-10) ft BGS mg/kg
PCBs			
Total PCBs	ND	ND	ND

SB148-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	14 (ab)	10 (a)	0.89	7.1 (a)	ND

SB110-11	3/14/2011 (0-2) ft BGS mg/kg	3/14/2011 (2-4) ft BGS mg/kg	3/14/2011 (4-6) ft BGS mg/kg	3/14/2011 (6-8) ft BGS mg/kg	3/14/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	0.027 J	ND	ND

SB294-13	10/21/2013 (2-4) ft BGS mg/kg	10/21/2013 (4-6) ft BGS mg/kg	10/21/2013 (6-8) ft BGS mg/kg	10/21/2013 (8-10) ft BGS mg/kg
PCBs				
Total PCBs	ND	ND	ND	ND/ND

SB292-13	10/21/2013 (2-4) ft BGS mg/kg	10/21/2013 (4-6) ft BGS mg/kg	10/21/2013 (6-8) ft BGS mg/kg	10/21/2013 (8-10) ft BGS mg/kg
PCBs				
Total PCBs	ND	ND	ND	ND

SB284-13	10/22/2013 (4-6) ft BGS mg/kg	10/22/2013 (6-8) ft BGS mg/kg	10/22/2013 (8-10) ft BGS mg/kg
PCBs			
Total PCBs	ND/ND	ND	ND

SB40-10	4/20/2010 (0-2) ft BGS mg/kg	4/20/2010 (2-4) ft BGS mg/kg	4/20/2010 (4-6) ft BGS mg/kg	4/20/2010 (6-8) ft BGS mg/kg	4/20/2010 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB36-10	4/20/2010 (0-2) ft BGS mg/kg	4/20/2010 (2-4) ft BGS mg/kg	4/20/2010 (4-6) ft BGS mg/kg	4/20/2010 (6-8) ft BGS mg/kg	4/20/2010 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND/ND	ND	ND	ND	ND

SB152-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB282-13	10/22/2013 (4-6) ft BGS mg/kg	10/22/2013 (6-8) ft BGS mg/kg	10/22/2013 (8-10) ft BGS mg/kg
PCBs			
Total PCBs	ND	ND/ND	ND

SB34-10	4/20/2010 (0-2) ft BGS mg/kg	4/20/2010 (2-4) ft BGS mg/kg	4/20/2010 (4-6) ft BGS mg/kg	4/20/2010 (6-8) ft BGS mg/kg	4/20/2010 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB35-10	4/20/2010 (0-2) ft BGS mg/kg	4/20/2010 (2-4) ft BGS mg/kg	4/20/2010 (4-6) ft BGS mg/kg	4/20/2010 (6-8) ft BGS mg/kg	4/20/2010 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	0.04 J	ND	ND

SB108-11	3/14/2011 (0-2) ft BGS mg/kg	3/14/2011 (2-4) ft BGS mg/kg	3/14/2011 (4-6) ft BGS mg/kg	3/14/2011 (6-8) ft BGS mg/kg	3/14/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	ND	ND

SB151-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	ND	0.057	ND

SB212-12	11/1/2012 (0-2) ft BGS mg/kg	11/1/2012 (2-4) ft BGS mg/kg	11/1/2012 (4-6) ft BGS mg/kg	11/1/2012 (6-8) ft BGS mg/kg	11/1/2012 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	0.039 J	0.0081 J	ND	0.019 J	ND

SB150-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	4.8 (a)	0.22	0.076	0.043 J	ND

SB109-11	3/14/2011 (0-2) ft BGS mg/kg	3/14/2011 (2-4) ft BGS mg/kg	3/14/2011 (4-6) ft BGS mg/kg	3/14/2011 (6-8) ft BGS mg/kg	3/14/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	ND	ND	0.048 J	ND	ND/ND

SB149-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	8.9 (a)	0.34	ND	ND	ND

No	Revision	Date	Initials

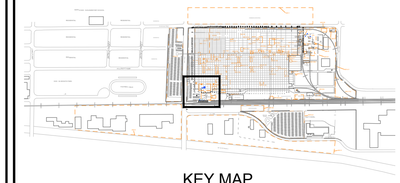
0 15ft

LEGEND

- SB380-13 PROPOSED OFF-SITE SOIL BORING LOCATION
- SB295-13 SOIL BORING LOCATIONS
- T-20-2 HISTORICAL SAMPLE LOCATION
- M-6-03 HISTORICAL MONITORING WELL LOCATION
- APPROXIMATE SITE BOUNDARY
- FENCE
- RAILROAD
- APPROXIMATE AOI
- APPROXIMATE EXCAVATION AREA
- APPROXIMATE DEED RESTRICTION AREA

SB148-11	9/30/2011 (0-2) ft BGS mg/kg	9/30/2011 (2-4) ft BGS mg/kg	9/30/2011 (4-6) ft BGS mg/kg	9/30/2011 (6-8) ft BGS mg/kg	9/30/2011 (8-10) ft BGS mg/kg
PCBs					
Total PCBs	14 (ab)	10 (a)	0.89	7.1 (a)	ND

SAMPLE ID
DATE
DEPTH
UNIT
RESULTS
CHEMICAL NAME



KEY MAP

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initials

APPROXIMATE EXCAVATION AND DEED RESTRICTION AREAS

BULK UNLOAD AREA

FORMER GRAND RAPIDS METAL PLANT
YOMING MICHIGAN

CONESTOGA-ROVERS & ASSOCIATES

Source Reference

Project Manager	Released By	Date
J.Q.	E.B.	APRIL 2014

Scale	Project No.	Report No.	Drawing No.
1:15	017360-T12	032	Figure 6

SAMPLE SUMMARY
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	*Sample Identification*	*Sample Location*	*Matrix*	*Sample Depth (ft bgs)*	*QA/QC Sample*
4/20/2010	SO-17360-4/20/10-DR-037	SB34-10	Soil	0-2	
4/20/2010	SO-17360-4/20/10-DR-038	SB34-10	Soil	2-4	
4/20/2010	SO-17360-4/20/10-DR-039	SB34-10	Soil	4-6	
4/20/2010	SO-17360-4/20/10-DR-040	SB34-10	Soil	6-8	
4/20/2010	SO-17360-4/20/10-DR-041	SB34-10	Soil	8-10	
4/20/2010	SO-17360-4/20/10-DR-032	SB35-10	Soil	0-2	
4/20/2010	SO-17360-4/20/10-DR-033	SB35-10	Soil	2-4	
4/20/2010	SO-17360-4/20/10-DR-034	SB35-10	Soil	4-6	
4/20/2010	SO-17360-4/20/10-DR-035	SB35-10	Soil	6-8	
4/20/2010	SO-17360-4/20/10-DR-036	SB35-10	Soil	8-10	
4/20/2010	SO-17360-4/20/10-DR-021	SB36-10	Soil	0-2	
4/20/2010	SO-17360-4/20/10-DR-022	SB36-10	Soil	0-2	Duplicate
4/20/2010	SO-17360-4/20/10-DR-023	SB36-10	Soil	2-4	
4/20/2010	SO-17360-4/20/10-DR-024	SB36-10	Soil	4-6	
4/20/2010	SO-17360-4/20/10-DR-025	SB36-10	Soil	6-8	
4/20/2010	SO-17360-4/20/10-DR-026	SB36-10	Soil	8-10	
4/20/2010	SO-17360-4/20/10-DR-015	SB37-10	Soil	0-2	
4/20/2010	SO-17360-4/20/10-DR-016	SB37-10	Soil	0-2	Duplicate
4/20/2010	SO-17360-4/20/10-DR-017	SB37-10	Soil	2-4	
4/20/2010	SO-17360-4/20/10-DR-018	SB37-10	Soil	4-6	
4/20/2010	SO-17360-4/20/10-DR-019	SB37-10	Soil	6-8	
4/20/2010	SO-17360-4/20/10-DR-020	SB37-10	Soil	8-10	
4/20/2010	SO-17360-4/20/10-DR-009	SB38-10	Soil	0-2	
4/20/2010	SO-17360-4/20/10-DR-010	SB38-10	Soil	2-4	
4/20/2010	SO-17360-4/20/10-DR-011	SB38-10	Soil	2-4	Duplicate
4/20/2010	SO-17360-4/20/10-DR-012	SB38-10	Soil	4-6	
4/20/2010	SO-17360-4/20/10-DR-013	SB38-10	Soil	6-8	
4/20/2010	SO-17360-4/20/10-DR-014	SB38-10	Soil	8-10	
4/20/2010	SO-17360-4/20/10-DR-027	SB40-10	Soil	0-2	
4/20/2010	SO-17360-4/20/10-DR-028	SB40-10	Soil	2-4	
4/20/2010	SO-17360-4/20/10-DR-029	SB40-10	Soil	4-6	
4/20/2010	SO-17360-4/20/10-DR-030	SB40-10	Soil	6-8	
4/20/2010	SO-17360-4/20/10-DR-031	SB40-10	Soil	8-10	
3/14/2011	SO-17360-031411-DR-211	SB106-11	Soil	0-2	
3/14/2011	SO-17360-031411-DR-212	SB106-11	Soil	0-2	Duplicate
3/14/2011	SO-17360-031411-DR-213	SB106-11	Soil	2-4	
3/14/2011	SO-17360-031411-DR-214	SB106-11	Soil	4-6	
3/14/2011	SO-17360-031411-DR-215	SB106-11	Soil	6-8	
3/14/2011	SO-17360-031411-DR-216	SB106-11	Soil	8-10	
3/14/2011	SO-17360-031411-DR-217	SB107-11	Soil	0-2	
3/14/2011	SO-17360-031411-DR-218	SB107-11	Soil	2-4	
3/14/2011	SO-17360-031411-DR-219	SB107-11	Soil	4-6	
3/14/2011	SO-17360-031411-DR-220	SB107-11	Soil	6-8	
3/14/2011	SO-17360-031411-DR-221	SB107-11	Soil	8-10	
3/14/2011	SO-17360-031411-DR-222	SB108-11	Soil	0-2	
3/14/2011	SO-17360-031411-DR-223	SB108-11	Soil	2-4	
3/14/2011	SO-17360-031411-DR-224	SB108-11	Soil	4-6	
3/14/2011	SO-17360-031411-DR-225	SB108-11	Soil	6-8	

SAMPLE SUMMARY
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	*Sample Identification*	*Sample Location*	*Matrix*	*Sample Depth (ft bgs)*	*QA/QC Sample*
3/14/2011	SO-17360-031411-DR-226	SB108-11	Soil	8-10	
3/14/2011	SO-17360-031411-DR-227	SB109-11	Soil	0-2	
3/14/2011	SO-17360-031411-DR-228	SB109-11	Soil	2-4	
3/14/2011	SO-17360-031411-DR-229	SB109-11	Soil	4-6	
3/14/2011	SO-17360-031411-DR-230	SB109-11	Soil	6-8	
3/14/2011	SO-17360-031411-DR-231	SB109-11	Soil	8-10	
3/14/2011	SO-17360-031411-DR-232	SB109-11	Soil	8-10	Duplicate
3/14/2011	SO-17360-031411-DR-233	SB110-11	Soil	0-2	
3/14/2011	SO-17360-031411-DR-234	SB110-11	Soil	2-4	
3/14/2011	SO-17360-031411-DR-235	SB110-11	Soil	4-6	
3/14/2011	SO-17360-031411-DR-236	SB110-11	Soil	6-8	
3/14/2011	SO-17360-031411-DR-237	SB110-11	Soil	8-10	
3/14/2011	SO-17360-031411-DR-238	SB111-11	Soil	0-2	
3/14/2011	SO-17360-031411-DR-239	SB111-11	Soil	2-4	
3/14/2011	SO-17360-031411-DR-240	SB111-11	Soil	4-6	
3/14/2011	SO-17360-031411-DR-241	SB111-11	Soil	6-8	
3/14/2011	SO-17360-031411-DR-242	SB111-11	Soil	8-10	
9/30/2011	S-17360-093011-EM-151	SB145-11	Soil	0-2	
9/30/2011	S-17360-093011-EM-152	SB145-11	Soil	0-2	Duplicate
9/30/2011	S-17360-093011-EM-153	SB145-11	Soil	2-4	
9/30/2011	S-17360-093011-EM-154	SB145-11	Soil	4-6	
9/30/2011	S-17360-093011-EM-155	SB145-11	Soil	6-8	
9/30/2011	S-17360-093011-EM-156	SB145-11	Soil	8-10	
9/30/2011	S-17360-093011-EM-146	SB146-11	Soil	0-2	
9/30/2011	S-17360-093011-EM-147	SB146-11	Soil	2-4	
9/30/2011	S-17360-093011-EM-148	SB146-11	Soil	4-6	
9/30/2011	S-17360-093011-EM-149	SB146-11	Soil	6-8	
9/30/2011	S-17360-093011-EM-150	SB146-11	Soil	8-10	
9/30/2011	S-17360-093011-EM-141	SB147-11	Soil	0-2	
9/30/2011	S-17360-093011-EM-142	SB147-11	Soil	2-4	
9/30/2011	S-17360-093011-EM-143	SB147-11	Soil	4-6	
9/30/2011	S-17360-093011-EM-144	SB147-11	Soil	6-8	
9/30/2011	S-17360-093011-EM-145	SB147-11	Soil	8-10	
9/30/2011	S-17360-093011-EM-136	SB148-11	Soil	0-2	
9/30/2011	S-17360-093011-EM-137	SB148-11	Soil	2-4	
9/30/2011	S-17360-093011-EM-138	SB148-11	Soil	4-6	
9/30/2011	S-17360-093011-EM-139	SB148-11	Soil	6-8	
9/30/2011	S-17360-093011-EM-140	SB148-11	Soil	8-10	
9/30/2011	S-17360-093011-EM-131	SB149-11	Soil	0-2	
9/30/2011	S-17360-093011-EM-132	SB149-11	Soil	2-4	
9/30/2011	S-17360-093011-EM-133	SB149-11	Soil	4-6	
9/30/2011	S-17360-093011-EM-134	SB149-11	Soil	6-8	
9/30/2011	S-17360-093011-EM-135	SB149-11	Soil	8-10	
9/30/2011	S-17360-093011-EM-126	SB150-11	Soil	0-2	
9/30/2011	S-17360-093011-EM-127	SB150-11	Soil	2-4	
9/30/2011	S-17360-093011-EM-128	SB150-11	Soil	4-6	
9/30/2011	S-17360-093011-EM-129	SB150-11	Soil	6-8	
9/30/2011	S-17360-093011-EM-130	SB150-11	Soil	8-10	
9/30/2011	S-17360-093011-EM-121	SB151-11	Soil	0-2	

SAMPLE SUMMARY
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	*Sample Identification*	*Sample Location*	*Matrix*	*Sample Depth (ft bgs)*	*QA/QC Sample*
9/30/2011	S-17360-093011-EM-122	SB151-11	Soil	2-4	
9/30/2011	S-17360-093011-EM-123	SB151-11	Soil	4-6	
9/30/2011	S-17360-093011-EM-124	SB151-11	Soil	6-8	
9/30/2011	S-17360-093011-EM-125	SB151-11	Soil	8-10	
9/30/2011	S-17360-093011-EM-116	SB152-11	Soil	0-2	
9/30/2011	S-17360-093011-EM-117	SB152-11	Soil	2-4	
9/30/2011	S-17360-093011-EM-118	SB152-11	Soil	4-6	
9/30/2011	S-17360-093011-EM-119	SB152-11	Soil	6-8	
9/30/2011	S-17360-093011-EM-120	SB152-11	Soil	8-10	
11/1/2012	S-17360-110112-DD-185	SB207-12	Soil	0-2	
11/1/2012	S-17360-110112-DD-186	SB207-12	Soil	2-4	
11/1/2012	S-17360-110112-DD-187	SB207-12	Soil	4-6	
11/1/2012	S-17360-110112-DD-188	SB207-12	Soil	4-6	Duplicate
11/1/2012	S-17360-110112-DD-189	SB207-12	Soil	6-8	
11/1/2012	S-17360-110112-DD-190	SB207-12	Soil	8-10	
11/1/2012	S-17360-110112-DD-191	SB212-12	Soil	0-2	
11/1/2012	S-17360-110112-DD-192	SB212-12	Soil	2-4	
11/1/2012	S-17360-110112-DD-193	SB212-12	Soil	4-6	
11/1/2012	S-17360-110112-DD-194	SB212-12	Soil	6-8	
11/1/2012	S-17360-110112-DD-195	SB212-12	Soil	8-10	
4/24/2013	SO-17360-042413-DR-050	SB232-13	Soil	0-2	
4/24/2013	SO-17360-042413-DR-051	SB232-13	Soil	2-4	
4/24/2013	SO-17360-042413-DR-052	SB232-13	Soil	4-6	
4/24/2013	SO-17360-042413-DR-053	SB232-13	Soil	6-8	
4/24/2013	SO-17360-042413-DR-054	SB232-13	Soil	8-10	
10/22/2013	SO-017360-102213-MR-040	SB277-13	Soil	0-2	
10/22/2013	SO-017360-102213-MR-041	SB277-13	Soil	2-4	
10/22/2013	SO-017360-102213-MR-042	SB277-13	Soil	4-6	
10/22/2013	SO-017360-102213-MR-043	SB277-13	Soil	6-8	
10/22/2013	SO-017360-102213-MR-044	SB277-13	Soil	6-8	Duplicate
10/22/2013	SO-017360-102213-MR-047	SB278-13	Soil	4-6	
10/22/2013	SO-017360-102213-MR-048	SB278-13	Soil	6-8	
10/22/2013	SO-017360-102213-MR-049	SB278-13	Soil	8-10	
10/22/2013	SO-017360-102213-MR-051	SB280-13	Soil	4-6	
10/22/2013	SO-017360-102213-MR-052	SB280-13	Soil	6-8	
10/22/2013	SO-017360-102213-MR-053	SB280-13	Soil	8-10	
10/22/2013	SO-017360-102213-MR-036	SB282-13	Soil	4-6	
10/22/2013	SO-017360-102213-MR-037	SB282-13	Soil	6-8	
10/22/2013	SO-017360-102213-MR-038	SB282-13	Soil	6-8	Duplicate
10/22/2013	SO-017360-102213-MR-039	SB282-13	Soil	8-10	
10/22/2013	SO-017360-102213-MR-030	SB284-13	Soil	4-6	
10/22/2013	SO-017360-102213-MR-031	SB284-13	Soil	4-6	Duplicate
10/22/2013	SO-017360-102213-MR-032	SB284-13	Soil	6-8	
10/22/2013	SO-017360-102213-MR-033	SB284-13	Soil	8-10	
10/21/2013	SO-017360-102113-MR-018	SB292-13	Soil	2-4	
10/21/2013	SO-017360-102113-MR-019	SB292-13	Soil	4-6	
10/21/2013	SO-017360-102113-MR-020	SB292-13	Soil	6-8	
10/21/2013	SO-017360-102113-MR-021	SB292-13	Soil	8-10	
10/21/2013	SO-017360-102113-MR-023	SB294-13	Soil	2-4	

SAMPLE SUMMARY
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	*Sample Identification*	*Sample Location*	*Matrix*	*Sample Depth (ft bgs)*	*QA/QC Sample*
10/21/2013	SO-017360-102113-MR-024	SB294-13	Soil	4-6	
10/21/2013	SO-017360-102113-MR-025	SB294-13	Soil	6-8	
10/21/2013	SO-017360-102113-MR-026	SB294-13	Soil	8-10	
10/21/2013	SO-017360-102113-MR-027	SB294-13	Soil	8-10	Duplicate
3/15/2011	SO-17360-031511-DR-243	SB100-11	Soil	0.5-2.5	
3/15/2011	SO-17360-031511-DR-244	SB100-11	Soil	8-10	
9/29/2011	S-17360-092911-EM-082	SB162-11	Soil	0-2	
9/29/2011	S-17360-092911-EM-071	SB163-11	Soil	0-2	
9/29/2011	S-17360-092911-EM-076	SB164-11	Soil	0-2	
9/29/2011	S-17360-092911-EM-077	SB164-11	Soil	0-2	Duplicate
9/29/2011	S-17360-092911-EM-092	SB165-11	Soil	0-2	
9/29/2011	S-17360-092911-EM-093	SB165-11	Soil	2-4	
9/29/2011	S-17360-092911-EM-094	SB165-11	Soil	4-6	
9/29/2011	S-17360-092911-EM-087	SB166-11	Soil	0-2	
9/29/2011	S-17360-092911-EM-088	SB166-11	Soil	2-4	
9/29/2011	S-17360-092911-EM-089	SB166-11	Soil	4-6	
10/31/2012	SO-17360-103112-EB-158	SB200-12	Soil	0-2	
10/31/2012	SO-17360-103112-EB-159	SB200-12	Soil	2-4	
10/31/2012	SO-17360-103112-EB-160	SB200-12	Soil	2-4	Duplicate
10/31/2012	SO-17360-103112-EB-161	SB200-12	Soil	4-6	
10/31/2012	SO-17360-103112-EB-164	SB201-12	Soil	0-2	
10/31/2012	SO-17360-103112-EB-165	SB201-12	Soil	2-4	
10/31/2012	SO-17360-103112-EB-166	SB201-12	Soil	4-6	
10/31/2012	SO-17360-103112-EB-150	SB202-12	Soil	0-2	
10/31/2012	SO-17360-103112-EB-151	SB202-12	Soil	2-4	
10/31/2012	SO-17360-103112-EB-152	SB202-12	Soil	4-6	
10/31/2012	SO-17360-103112-EB-144	SB203-12	Soil	0-2	
10/31/2012	SO-17360-103112-EB-145	SB203-12	Soil	0-2	Duplicate
10/31/2012	SO-17360-103112-EB-146	SB203-12	Soil	2-4	
10/31/2012	SO-17360-103112-EB-147	SB203-12	Soil	4-6	
10/31/2012	SO-17360-103112-EB-149	SB203-12	Soil	8-10	
10/31/2012	SO-17360-103112-EB-139	SB204-12	Soil	0-2	
10/31/2012	SO-17360-103112-EB-140	SB204-12	Soil	2-4	
10/31/2012	SO-17360-103112-EB-141	SB204-12	Soil	4-6	
10/31/2012	SO-17360-103112-EB-134	SB205-12	Soil	0-2	
10/31/2012	SO-17360-103112-EB-135	SB205-12	Soil	2-4	
10/31/2012	SO-17360-103112-EB-136	SB205-12	Soil	4-6	
10/31/2012	SO-17360-103112-EB-129	SB206-12	Soil	0-2	
10/31/2012	SO-17360-103112-EB-130	SB206-12	Soil	2-4	
10/31/2012	SO-17360-103112-EB-131	SB206-12	Soil	4-6	
10/31/2012	SO-17360-103112-EB-156	SB215-12	Soil	6-8	
10/31/2012	SO-17360-103112-EB-157	SB215-12	Soil	8-10	
4/23/2013	SO-17360-042313-DR-003	SB223-13	Soil	6-8	
4/23/2013	SO-17360-042313-DR-004	SB223-13	Soil	8-10	
4/23/2013	SO-17360-042313-DR-005	SB223-13	Soil	10-12	
4/23/2013	SO-17360-042313-DR-006	SB224-13	Soil	0-2	
4/23/2013	SO-17360-042313-DR-007	SB224-13	Soil	2-4	
4/23/2013	SO-17360-042313-DR-008	SB224-13	Soil	4-6	
4/23/2013	SO-17360-042313-DR-009	SB224-13	Soil	6-8	

SAMPLE SUMMARY
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	*Sample Identification*	*Sample Location*	*Matrix*	*Sample Depth (ft bgs)*	*QA/QC Sample*
4/23/2013	SO-17360-042313-DR-010	SB224-13	Soil	8-10	
4/23/2013	SO-17360-042313-DR-011	SB224-13	Soil	10-12	
4/23/2013	SO-17360-042313-DR-012	SB225-13	Soil	0-2	
4/23/2013	SO-17360-042313-DR-013	SB225-13	Soil	2-4	
4/23/2013	SO-17360-042313-DR-014	SB225-13	Soil	4-6	
4/23/2013	SO-17360-042313-DR-015	SB225-13	Soil	6-8	
4/23/2013	SO-17360-042313-DR-016	SB225-13	Soil	6-8	Duplicate
4/23/2013	SO-17360-042313-DR-017	SB225-13	Soil	8-10	
4/23/2013	SO-17360-042313-DR-018	SB225-13	Soil	10-12	
4/23/2013	SO-17360-042313-DR-019	SB226-13	Soil	0-2	
4/23/2013	SO-17360-042313-DR-020	SB226-13	Soil	2-4	
4/23/2013	SO-17360-042313-DR-021	SB226-13	Soil	4-6	
4/23/2013	SO-17360-042313-DR-022	SB226-13	Soil	6-8	
4/23/2013	SO-17360-042313-DR-023	SB226-13	Soil	8-10	
4/23/2013	SO-17360-042313-DR-024	SB226-13	Soil	10-12	
4/23/2013	SO-17360-042313-DR-025	SB227-13	Soil	0-2	
4/23/2013	SO-17360-042313-DR-026	SB227-13	Soil	2-4	
4/23/2013	SO-17360-042313-DR-027	SB227-13	Soil	4-6	
4/23/2013	SO-17360-042313-DR-028	SB227-13	Soil	6-8	
4/23/2013	SO-17360-042313-DR-029	SB227-13	Soil	8-10	
4/23/2013	SO-17360-042313-DR-030	SB227-13	Soil	10-12	
4/23/2013	SO-17360-042313-DR-031	SB228-13	Soil	0-2	
4/23/2013	SO-17360-042313-DR-032	SB228-13	Soil	2-4	
4/23/2013	SO-17360-042313-DR-033	SB228-13	Soil	4-6	
4/23/2013	SO-17360-042313-DR-034	SB228-13	Soil	6-8	
4/23/2013	SO-17360-042313-DR-035	SB228-13	Soil	8-10	
4/23/2013	SO-17360-042313-DR-036	SB228-13	Soil	10-12	
4/23/2013	SO-17360-042313-DR-037	SB228-13	Soil	10-12	Duplicate
4/23/2013	SO-17360-042313-DR-038	SB229-13	Soil	6-8	
4/23/2013	SO-17360-042313-DR-039	SB229-13	Soil	8-10	
4/23/2013	SO-17360-042313-DR-040	SB229-13	Soil	10-12	
4/23/2013	SO-17360-042313-DR-041	SB230-13	Soil	6-8	
4/23/2013	SO-17360-042313-DR-042	SB230-13	Soil	10-12	
8/19/2013	SO-017360-081913-MR-010	SB255-13	Soil	2-4	
8/19/2013	SO-017360-081913-MR-011	SB255-13	Soil	4-6	
8/19/2013	SO-017360-081913-MR-012	SB255-13	Soil	6-8	
8/19/2013	SO-017360-081913-MR-013	SB255-13	Soil	8-10	
8/19/2013	SO-017360-081913-MR-018	SB255-13	Soil	8-10	Duplicate
8/19/2013	SO-017360-081913-MR-014	SB255-13	Soil	10-12	
8/19/2013	SO-017360-081913-MR-015	SB255-13	Soil	12-14	
8/19/2013	SO-017360-081913-MR-016	SB255-13	Soil	14-16	
8/19/2013	SO-017360-081913-MR-001	SB256-13	Soil	0-2	
8/19/2013	SO-017360-081913-MR-002	SB256-13	Soil	2-4	
8/19/2013	SO-017360-081913-MR-003	SB256-13	Soil	4-6	
8/19/2013	SO-017360-081913-MR-004	SB256-13	Soil	6-8	
8/19/2013	SO-017360-081913-MR-005	SB256-13	Soil	8-10	
8/19/2013	SO-017360-081913-MR-009	SB256-13	Soil	8-10	Duplicate
8/19/2013	SO-017360-081913-MR-006	SB256-13	Soil	10-12	
8/19/2013	SO-017360-081913-MR-007	SB256-13	Soil	12-14	

SAMPLE SUMMARY
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	*Sample Identification*	*Sample Location*	*Matrix*	*Sample Depth (ft bgs)*	*QA/QC Sample*
8/19/2013	SO-017360-081913-MR-008	SB256-13	Soil	14-16	
8/19/2013	SO-017360-081913-MR-058	SB257-13	Soil	0-2	
8/19/2013	SO-017360-081913-MR-059	SB257-13	Soil	2-4	
8/19/2013	SO-017360-081913-MR-060	SB257-13	Soil	4-6	
8/19/2013	SO-017360-081913-MR-061	SB257-13	Soil	4-6	Duplicate
8/19/2013	SO-017360-081913-MR-062	SB257-13	Soil	6-8	
8/19/2013	SO-017360-081913-MR-064	SB257-13	Soil	8-10	
8/19/2013	SO-017360-081913-MR-065	SB257-13	Soil	10-12	
8/19/2013	SO-017360-081913-MR-066	SB257-13	Soil	12-14	
8/19/2013	SO-017360-081913-MR-051	SB258-13	Soil	0-2	
8/19/2013	SO-017360-081913-MR-052	SB258-13	Soil	2-4	
8/19/2013	SO-017360-081913-MR-053	SB258-13	Soil	4-6	
8/19/2013	SO-017360-081913-MR-054	SB258-13	Soil	6-8	
8/19/2013	SO-017360-081913-MR-055	SB258-13	Soil	8-10	
8/19/2013	SO-017360-081913-MR-056	SB258-13	Soil	8-10	Duplicate
8/19/2013	SO-017360-081913-MR-057	SB258-13	Soil	10-12	
8/19/2013	SO-017360-081913-MR-034	SB259-13	Soil	0-2	
8/19/2013	SO-017360-081913-MR-035	SB259-13	Soil	2-4	
8/19/2013	SO-017360-081913-MR-036	SB259-13	Soil	2-4	Duplicate
8/19/2013	SO-017360-081913-MR-037	SB259-13	Soil	4-6	
8/19/2013	SO-017360-081913-MR-038	SB259-13	Soil	6-8	
8/19/2013	SO-017360-081913-MR-039	SB259-13	Soil	8-10	
8/19/2013	SO-017360-081913-MR-040	SB259-13	Soil	10-12	
8/19/2013	SO-017360-081913-MR-041	SB259-13	Soil	12-14	
8/19/2013	SO-017360-081913-MR-042	SB260-13	Soil	0-2	
8/19/2013	SO-017360-081913-MR-043	SB260-13	Soil	2-4	
8/19/2013	SO-017360-081913-MR-045	SB260-13	Soil	4-6	
8/19/2013	SO-017360-081913-MR-046	SB260-13	Soil	4-6	Duplicate
8/19/2013	SO-017360-081913-MR-047	SB260-13	Soil	6-8	
8/19/2013	SO-017360-081913-MR-048	SB260-13	Soil	8-10	
8/19/2013	SO-017360-081913-MR-049	SB260-13	Soil	10-12	
8/19/2013	SO-017360-081913-MR-050	SB260-13	Soil	12-14	
8/19/2013	SO-017360-081913-MR-027	SB261-13	Soil	0-2	
8/19/2013	SO-017360-081913-MR-028	SB261-13	Soil	2-4	
8/19/2013	SO-017360-081913-MR-029	SB261-13	Soil	4-6	
8/19/2013	SO-017360-081913-MR-030	SB261-13	Soil	6-8	
8/19/2013	SO-017360-081913-MR-031	SB261-13	Soil	8-10	
8/19/2013	SO-017360-081913-MR-032	SB261-13	Soil	10-12	
8/19/2013	SO-017360-081913-MR-033	SB261-13	Soil	12-14	
8/19/2013	SO-017360-081913-MR-019	SB262-13	Soil	2-4	
8/19/2013	SO-017360-081913-MR-020	SB262-13	Soil	4-6	
8/19/2013	SO-017360-081913-MR-021	SB262-13	Soil	6-8	
8/19/2013	SO-017360-081913-MR-022	SB262-13	Soil	8-10	
8/19/2013	SO-017360-081913-MR-023	SB262-13	Soil	8-10	Duplicate
8/19/2013	SO-017360-081913-MR-024	SB262-13	Soil	10-12	
8/19/2013	SO-017360-081913-MR-026	SB262-13	Soil	12-14	

Notes:
ft. bgs - feet below ground surface
QA/QC - Quality Assurance/Quality Control

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB100-11*	*SB100-11*	*SB162-11*	*SB163-11*	*SB164-11*	*SB164-11*
Sample Identification				*SO-17360-031511-DR-243*	*SO-17360-031511-DR-244*	*S-17360-092911-EM-082*	*S-17360-092911-EM-071*	*S-17360-092911-EM-076*	*S-17360-092911-EM-077*
Sample Date				*03/15/2011*	*3/15/2011*	*9/29/2011*	*9/29/2011*	*9/29/2011*	*9/29/2011*
Sample Depth				*(0.5-2.5) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(0-2) ft BGS*	*(0-2) ft BGS*	*(0-2) ft BGS*
Sample Type									*Duplicate*
	Units	a	b						
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.68 U	0.28 U	0.17 U	0.034 U	0.035 U	0.035 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.68 U	0.28 U	0.17 U	0.034 U	0.035 U	0.035 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.68 U	0.28 U	0.17 U	0.034 U	0.035 U	0.035 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.68 U	0.28 U	0.17 U	0.034 U	0.035 U	0.035 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.68 U	0.28 U	0.17 U	0.034 U	0.035 U	0.035 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.68 U	0.28 U	0.17 U	0.034 U	0.035 U	0.035 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	3.3	0.28 U	0.56	0.034 U	0.14	0.078
Total PCBs	mg/kg	1	10	**3.3**[a]	ND	0.56	ND	0.14	0.078

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
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TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB165-11*	*SB165-11*	*SB165-11*	*SB166-11*	*SB166-11*	*SB166-11*
Sample Identification				*S-17360-092911-EM-092*	*S-17360-092911-EM-093*	*S-17360-092911-EM-094*	*S-17360-092911-EM-087*	*S-17360-092911-EM-088*	*S-17360-092911-EM-089*
Sample Date				*9/29/2011*	*9/29/2011*	*9/29/2011*	*9/29/2011*	*9/29/2011*	*9/29/2011*
Sample Depth				*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*
Sample Type		a	b						
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	1.7 U	0.68 U	1.7 U	1.7 U	0.035 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	1.7 U	0.68 U	1.7 U	1.7 U	0.035 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	1.7 U	0.68 U	1.7 U	1.7 U	0.035 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	1.7 U	0.68 U	1.7 U	1.7 U	0.035 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	1.7 U	0.68 U	1.7 U	1.7 U	0.035 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	1.7 U	0.68 U	1.7 U	1.7 U	0.035 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	3	13	3.8	12	6.4	0.035 U
Total PCBs	mg/kg	1	10	**3**[a]	**13**[ab]	**3.8**[a]	**12**[ab]	**6.4**[a]	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
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TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB200-12*	*SB200-12*	*SB200-12*	*SB200-12*	*SB201-12*	*SB201-12*
Sample Identification				*SO-17360-103112-EB-158*	*SO-17360-103112-EB-159*	*SO-17360-103112-EB-160*	*SO-17360-103112-EB-161*	*SO-17360-103112-EB-164*	*SO-17360-103112-EB-165*
Sample Date				*10/31/2012*	*10/31/2012*	*10/31/2012*	*10/31/2012*	*10/31/2012*	*10/31/2012*
Sample Depth				*(0-2) ft BGS*	*(2-4) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Type						*Duplicate*			
	Units	a	b						
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.35 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.35 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.35 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.35 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.35 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.019 J	0.34 U	0.34 U	0.34 U	0.34 U	0.35 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.021 J	0.0045 J	0.0040 J	0.34 U	0.049 J	0.038 J
Total PCBs	mg/kg	1	10	0.04 J	0.0045 J	0.004 J	ND	0.049 J	0.038 J

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
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TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB201-12*	*SB202-12*	*SB202-12*	*SB202-12*	*SB203-12*	*SB203-12*
Sample Identification				*SO-17360-103112-EB-166*	*SO-17360-103112-EB-150*	*SO-17360-103112-EB-151*	*SO-17360-103112-EB-152*	*SO-17360-103112-EB-144*	*SO-17360-103112-EB-145*
Sample Date				*10/31/2012*	*10/31/2012*	*10/31/2012*	*10/31/2012*	*10/31/2012*	*10/31/2012*
Sample Depth				*(4-6) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(0-2) ft BGS*	*(0-2) ft BGS*
Sample Type									*Duplicate*
	Units	a	b						
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.35 U	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.35 U	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.35 U	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.35 U	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.35 U	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.35 U	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.046 J	0.071 J	0.66	0.062 J	0.25 J	0.24 J
Total PCBs	mg/kg	1	10	0.046 J	0.071 J	0.66	0.062 J	0.25 J	0.24 J

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
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TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB203-12*	*SB203-12*	*SB203-12*	*SB204-12*	*SB204-12*	*SB204-12*
Sample Identification				*SO-17360-103112-EB-146*	*SO-17360-103112-EB-147*	*SO-17360-103112-EB-149*	*SO-17360-103112-EB-139*	*SO-17360-103112-EB-140*	*SO-17360-103112-EB-141*
Sample Date				*10/31/2012*	*10/31/2012*	*10/31/2012*	*10/31/2012*	*10/31/2012*	*10/31/2012*
Sample Depth				*(2-4) ft BGS*	*(4-6) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*
Sample Type									
	Units	a	b						
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U	0.34 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U	0.34 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U	0.34 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U	0.34 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U	0.34 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U	0.34 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.38	0.19 J	1.3	0.68	0.88	0.15 J
Total PCBs	mg/kg	1	10	0.38	0.19 J	**1.3**[a]	0.68	0.88	0.15 J

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB205-12*	*SB205-12*	*SB205-12*	*SB206-12*	*SB206-12*	*SB206-12*
Sample Identification				*SO-17360-103112-EB-134*	*SO-17360-103112-EB-135*	*SO-17360-103112-EB-136*	*SO-17360-103112-EB-129*	*SO-17360-103112-EB-130*	*SO-17360-103112-EB-131*
Sample Date				*10/31/2012*	*10/31/2012*	*10/31/2012*	*10/31/2012*	*10/31/2012*	*10/31/2012*
Sample Depth				*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*
Sample Type									
	Units	a	b						
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.34 U	0.34 U	0.37 U	0.35 U	0.36 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.34 U	0.34 U	0.37 U	0.35 U	0.36 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.34 U	0.34 U	0.37 U	0.35 U	0.36 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.34 U	0.34 U	0.37 U	0.35 U	0.36 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.34 U	0.34 U	0.37 U	0.35 U	0.36 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.034 J	0.021 J	0.34 U	0.37 U	0.35 U	0.36 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.042 J	0.042 J	0.060 J	0.033 J	0.028 J	0.038 J
Total PCBs	mg/kg	1	10	0.076 J	0.063 J	0.06 J	0.033 J	0.028 J	0.038 J

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB215-12*	*SB215-12*	*SB223-13*	*SB223-13*	*SB223-13*	*SB224-13*
Sample Identification				*SO-17360-103112-EB-156*	*SO-17360-103112-EB-157*	*SO-17360-042313-DR-003*	*SO-17360-042313-DR-004*	*SO-17360-042313-DR-005*	*SO-17360-042313-DR-006*
Sample Date				*10/31/2012*	*10/31/2012*	*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*
Sample Depth				*(6-8) ft BGS*	*(8-10) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*	*(0-2) ft BGS*
Sample Type		a	b						
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.34 U	0.35 U	0.33 U	0.35 U	0.32 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.34 U	0.35 U	0.33 U	0.35 U	0.32 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.34 U	0.35 U	0.33 U	0.35 U	0.32 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.34 U	0.35 U	0.33 U	0.35 U	0.32 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.34 U	0.35 U	0.33 U	0.35 U	0.32 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.34 U	0.35 U	0.33 U	0.35 U	0.32 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.0059 J	0.0068 J	0.077 J	1.2	8.2	0.32 U
Total PCBs	mg/kg	1	10	0.0059 J	0.0068 J	0.077 J	**1.2**[a]	**8.2**[a]	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB224-13*	*SB224-13*	*SB224-13*	*SB224-13*	*SB224-13*	*SB225-13*
Sample Identification				*SO-17360-042313-DR-007*	*SO-17360-042313-DR-008*	*SO-17360-042313-DR-009*	*SO-17360-042313-DR-010*	*SO-17360-042313-DR-011*	*SO-17360-042313-DR-012*
Sample Date				*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*
Sample Depth				*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*	*(0-2) ft BGS*
Sample Type									
	Units	a	b						
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.34 U	0.33 U	0.33 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.34 U	0.33 U	0.33 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.34 U	0.33 U	0.33 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.34 U	0.33 U	0.33 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.34 U	0.33 U	0.33 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.34 U	0.33 U	0.33 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.37	1.1	0.33 U
Total PCBs	mg/kg	1	10	ND	ND	ND	0.37	**1.1**[a]	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB225-13*	*SB225-13*	*SB225-13*	*SB225-13*	*SB225-13*	*SB225-13*
Sample Identification				*SO-17360-042313-DR-013*	*SO-17360-042313-DR-014*	*SO-17360-042313-DR-015*	*SO-17360-042313-DR-016*	*SO-17360-042313-DR-017*	*SO-17360-042313-DR-018*
Sample Date				*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*
Sample Depth				*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*
Sample Type							*Duplicate*		
	Units	a	b						
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.34 U	0.34 U	0.33 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.34 U	0.34 U	0.33 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.34 U	0.34 U	0.33 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.34 U	0.34 U	0.33 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.34 U	0.34 U	0.33 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.34 U	0.34 U	0.33 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.33 U	0.16 J	0.39	0.44	0.41	1.7
Total PCBs	mg/kg	1	10	ND	0.16 J	0.39	0.44	0.41	**1.7**[a]

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB226-13*	*SB226-13*	*SB226-13*	*SB226-13*	*SB226-13*	*SB226-13*
Sample Identification				*SO-17360-042313-DR-019*	*SO-17360-042313-DR-020*	*SO-17360-042313-DR-021*	*SO-17360-042313-DR-022*	*SO-17360-042313-DR-023*	*SO-17360-042313-DR-024*
Sample Date				*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*
Sample Depth				*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*
Sample Type									
	Units	a	b						
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.32 U	0.33 U	0.32 U	0.32 U	0.34 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.32 U	0.33 U	0.32 U	0.32 U	0.34 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.32 U	0.33 U	0.32 U	0.32 U	0.34 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.32 U	0.33 U	0.32 U	0.32 U	0.34 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.32 U	0.33 U	0.32 U	0.32 U	0.34 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.32 U	0.33 U	0.32 U	0.32 U	0.34 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.075 J	0.14 J	0.39	1.1	0.32 U	0.34 U
Total PCBs	mg/kg	1	10	0.075 J	0.14 J	0.39	**1.1**[a]	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB227-13*	*SB227-13*	*SB227-13*	*SB227-13*	*SB227-13*	*SB227-13*
Sample Identification				*SO-17360-042313-DR-025*	*SO-17360-042313-DR-026*	*SO-17360-042313-DR-027*	*SO-17360-042313-DR-028*	*SO-17360-042313-DR-029*	*SO-17360-042313-DR-030*
Sample Date				*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*
Sample Depth				*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*
Sample Type									
	Units	a	b						
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.32 U	0.33 U	0.32 U	0.32 U	0.32 U	0.34 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.32 U	0.33 U	0.32 U	0.32 U	0.32 U	0.34 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.32 U	0.33 U	0.32 U	0.32 U	0.32 U	0.34 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.32 U	0.33 U	0.32 U	0.32 U	0.32 U	0.34 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.32 U	0.33 U	0.32 U	0.32 U	0.32 U	0.34 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.32 U	0.33 U	0.32 U	0.32 U	0.32 U	0.34 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.42	0.6	1.5	3	2.7	0.34 U
Total PCBs	mg/kg	1	10	0.42	0.6	**1.5[a]**	**3[a]**	**2.7[a]**	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB228-13*	*SB228-13*	*SB228-13*	*SB228-13*	*SB228-13*	*SB228-13*
Sample Identification				*SO-17360-042313-DR-031*	*SO-17360-042313-DR-032*	*SO-17360-042313-DR-033*	*SO-17360-042313-DR-034*	*SO-17360-042313-DR-035*	*SO-17360-042313-DR-036*
Sample Date				*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*
Sample Depth				*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*
Sample Type									
	Units	a	b						
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.58	2.3	0.33 U	0.33 U	0.33 U	0.34 U
Total PCBs	mg/kg	1	10	0.58	**2.3**[a]	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB228-13*	*SB229-13*	*SB229-13*	*SB229-13*	*SB230-13*
Sample Identification				*SO-17360-042313-DR-037*	*SO-17360-042313-DR-038*	*SO-17360-042313-DR-039*	*SO-17360-042313-DR-040*	*SO-17360-042313-DR-041*
Sample Date				*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*	*4/23/2013*
Sample Depth				*(10-12) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*	*(6-8) ft BGS*
Sample Type				*Duplicate*				
	Units	a	b					
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.34 U	0.33 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.34 U	0.33 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.34 U	0.33 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.34 U	0.33 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.34 U	0.33 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.34 U	0.33 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.33 U	0.58	0.33 U	0.21 J	0.94
Total PCBs	mg/kg	1	10	ND	0.58	ND	0.21 J	0.94

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB230-13*	*SB255-13*	*SB255-13*	*SB255-13*	*SB255-13*
Sample Identification				*SO-17360-042313-DR-042*	*SO-017360-081913-MR-010*	*SO-017360-081913-MR-011*	*SO-017360-081913-MR-012*	*SO-017360-081913-MR-013*
Sample Date				*4/23/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth				*(10-12) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*
Sample Type		a	b					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.33 U	0.34 U	0.32 U	0.34 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.33 U	0.34 U	0.32 U	0.34 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.33 U	0.34 U	0.32 U	0.34 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.33 U	0.34 U	0.32 U	0.34 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.33 U	0.34 U	0.32 U	0.34 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.33 U	0.34 U	0.32 U	0.34 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.34 U	0.33 U	0.34 U	0.32 U	0.34 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB255-13*	*SB255-13*	*SB255-13*	*SB255-13*	*SB256-13*
Sample Identification		Substances	Substances	*SO-017360-081913-MR-018*	*SO-017360-081913-MR-014*	*SO-017360-081913-MR-015*	*SO-017360-081913-MR-016*	*SO-017360-081913-MR-001*
Sample Date		Control	Control	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth		Act [1]	Act [2]	*(8-10) ft BGS*	*(10-12) ft BGS*	*(12-14) ft BGS*	*(14-16) ft BGS*	*(0-2) ft BGS*
Sample Type		a	b	*Duplicate*				
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.35 U	0.33 U	0.34 U	0.32 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.35 U	0.33 U	0.34 U	0.32 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.35 U	0.33 U	0.34 U	0.32 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.35 U	0.33 U	0.34 U	0.32 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.35 U	0.33 U	0.34 U	0.32 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.35 U	0.33 U	0.34 U	0.32 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.34 U	0.35 U	0.33 U	0.34 U	0.32 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
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TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB256-13*	*SB256-13*	*SB256-13*	*SB256-13*	*SB256-13*
Sample Identification				*SO-017360-081913-MR-002*	*SO-017360-081913-MR-003*	*SO-017360-081913-MR-004*	*SO-017360-081913-MR-005*	*SO-017360-081913-MR-009*
Sample Date				*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth				*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(8-10) ft BGS*
Sample Type								*Duplicate*
	Units	a	b					
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.33 U	0.32 U	0.34 U	0.33 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.33 U	0.32 U	0.34 U	0.33 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.33 U	0.32 U	0.34 U	0.33 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.33 U	0.32 U	0.34 U	0.33 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.33 U	0.32 U	0.34 U	0.33 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.33 U	0.32 U	0.34 U	0.33 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.34 U	0.33 U	0.32 U	0.34 U	0.33 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
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TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB256-13*	*SB256-13*	*SB256-13*	*SB257-13*	*SB257-13*
Sample Identification		Substances	Substances	*SO-017360-081913-MR-006*	*SO-017360-081913-MR-007*	*SO-017360-081913-MR-008*	*SO-017360-081913-MR-058*	*SO-017360-081913-MR-059*
Sample Date		Control	Control	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth		Act [1]	Act [2]	*(10-12) ft BGS*	*(12-14) ft BGS*	*(14-16) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Type		a	b					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.39 U	0.34 U	0.33 U	0.33 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.39 U	0.34 U	0.33 U	0.33 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.39 U	0.34 U	0.33 U	0.33 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.39 U	0.34 U	0.33 U	0.33 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.39 U	0.34 U	0.33 U	0.33 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.39 U	0.34 U	0.33 U	0.33 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.34 U	0.39 U	0.34 U	0.33 U	0.33 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB257-13*	*SB257-13*	*SB257-13*	*SB257-13*	*SB257-13*
Sample Identification				*SO-017360-081913-MR-060*	*SO-017360-081913-MR-061*	*SO-017360-081913-MR-062*	*SO-017360-081913-MR-064*	*SO-017360-081913-MR-065*
Sample Date				*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth				*(4-6) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*
Sample Type					*Duplicate*			
	Units	a	b					
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.32 U	0.33 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.32 U	0.33 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.32 U	0.33 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.32 U	0.33 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.32 U	0.33 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.32 U	0.33 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.32 U	0.33 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB257-13*	*SB258-13*	*SB258-13*	*SB258-13*	*SB258-13*
Sample Identification				*SO-017360-081913-MR-066*	*SO-017360-081913-MR-051*	*SO-017360-081913-MR-052*	*SO-017360-081913-MR-053*	*SO-017360-081913-MR-054*
Sample Date				*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth				*(12-14) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*
Sample Type								
	Units	a	b					
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.33 U	0.062 J	0.32 U	0.038 J	0.32 U
Total PCBs	mg/kg	1	10	ND	0.062 J	ND	0.038 J	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
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J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB258-13*	*SB258-13*	*SB258-13*	*SB259-13*	*SB259-13*
Sample Identification		Substances	Substances	*SO-017360-081913-MR-055*	*SO-017360-081913-MR-056*	*SO-017360-081913-MR-057*	*SO-017360-081913-MR-034*	*SO-017360-081913-MR-035*
Sample Date		Control	Control	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth		Act [1]	Act [2]	*(8-10) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Type		a	b		*Duplicate*			
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.33 U	0.33 U	0.35 U	0.33 U	0.33 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.33 U	0.33 U	0.35 U	0.33 U	0.33 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.33 U	0.33 U	0.35 U	0.33 U	0.33 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.33 U	0.33 U	0.35 U	0.33 U	0.33 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.33 U	0.33 U	0.35 U	0.33 U	0.33 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.33 U	0.33 U	0.35 U	0.33 U	0.33 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.33 U	0.33 U	0.35 U	0.33 U	0.33 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
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TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB259-13*	*SB259-13*	*SB259-13*	*SB259-13*	*SB259-13*
Sample Identification				*SO-017360-081913-MR-036*	*SO-017360-081913-MR-037*	*SO-017360-081913-MR-038*	*SO-017360-081913-MR-039*	*SO-017360-081913-MR-040*
Sample Date				*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth				*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*
Sample Type				*Duplicate*				
	Units	a	b					
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.33 U	0.35 U	0.33 U	0.32 U	0.32 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.33 U	0.35 U	0.33 U	0.32 U	0.32 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.33 U	0.35 U	0.33 U	0.32 U	0.32 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.33 U	0.35 U	0.33 U	0.32 U	0.32 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.33 U	0.35 U	0.33 U	0.32 U	0.32 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.33 U	0.35 U	0.33 U	0.32 U	0.32 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.33 U	0.35 U	0.33 U	0.32 U	0.32 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
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TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB259-13*	*SB260-13*	*SB260-13*	*SB260-13*	*SB260-13*
Sample Identification				*SO-017360-081913-MR-041*	*SO-017360-081913-MR-042*	*SO-017360-081913-MR-043*	*SO-017360-081913-MR-045*	*SO-017360-081913-MR-046*
Sample Date				*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth				*(12-14) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(4-6) ft BGS*
Sample Type								*Duplicate*
	Units	a	b					
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.38 U	0.37 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.38 U	0.37 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.38 U	0.37 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.38 U	0.37 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.38 U	0.37 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.38 U	0.37 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.33 U	0.33 U	0.33 U	0.38 U	0.37 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB260-13*	*SB260-13*	*SB260-13*	*SB260-13*	*SB261-13*
Sample Identification		Substances	Substances	*SO-017360-081913-MR-047*	*SO-017360-081913-MR-048*	*SO-017360-081913-MR-049*	*SO-017360-081913-MR-050*	*SO-017360-081913-MR-027*
Sample Date		Control	Control	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth		Act [1]	Act [2]	*(6-8) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*	*(12-14) ft BGS*	*(0-2) ft BGS*
Sample Type		a	b					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.43 U	0.35 U	0.34 U	0.33 U	0.34 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.43 U	0.35 U	0.34 U	0.33 U	0.34 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.43 U	0.35 U	0.34 U	0.33 U	0.34 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.43 U	0.35 U	0.34 U	0.33 U	0.34 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.43 U	0.35 U	0.34 U	0.33 U	0.34 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.43 U	0.35 U	0.34 U	0.33 U	0.34 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.43 U	0.35 U	0.34 U	0.33 U	0.34 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB261-13*	*SB261-13*	*SB261-13*	*SB261-13*	*SB261-13*
Sample Identification				*SO-017360-081913-MR-028*	*SO-017360-081913-MR-029*	*SO-017360-081913-MR-030*	*SO-017360-081913-MR-031*	*SO-017360-081913-MR-032*
Sample Date				*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth				*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*
Sample Type								
	Units	a	b					
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.34 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.34 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.34 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.34 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.34 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.34 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.34 U	0.33 U	0.33 U	0.33 U	0.34 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 2

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB261-13*	*SB262-13*	*SB262-13*	*SB262-13*	*SB262-13*
Sample Identification				*SO-017360-081913-MR-033*	*SO-017360-081913-MR-019*	*SO-017360-081913-MR-020*	*SO-017360-081913-MR-021*	*SO-017360-081913-MR-022*
Sample Date				*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth				*(12-14) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*
Sample Type								
	Units	a	b					
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.32 U	0.33 U	0.34 U	0.32 U	0.34 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.32 U	0.33 U	0.34 U	0.32 U	0.34 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.32 U	0.33 U	0.34 U	0.32 U	0.34 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.32 U	0.33 U	0.34 U	0.32 U	0.34 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.32 U	0.33 U	0.34 U	0.32 U	0.34 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.32 U	0.33 U	0.34 U	0.32 U	0.34 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.32 U	0.33 U	0.34 U	0.32 U	0.34 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

SUMMARY OF ANALYTICAL SOIL SAMPLE RESULTS - FORMER TAR HOUSE
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB262-13*	*SB262-13*	*SB262-13*
Sample Identification		Substances	Substances	*SO-017360-081913-MR-023*	*SO-017360-081913-MR-024*	*SO-017360-081913-MR-026*
Sample Date		Control	Control	*8/19/2013*	*8/19/2013*	*8/19/2013*
Sample Depth		Act [1]	Act [2]	*(8-10) ft BGS*	*(10-12) ft BGS*	*(12-14) ft BGS*
Sample Type		a	b	*Duplicate*		
	Units					
PCBs						
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.34 U	0.34 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.34 U	0.34 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.34 U	0.34 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.34 U	0.34 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.34 U	0.34 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.34 U	0.34 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.34 U	0.34 U	0.34 U
Total PCBs	mg/kg	1	10	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		**Toxic**	**Toxic**	***SB34-10***	***SB34-10***	***SB34-10***	***SB34-10***	***SB34-10***
Sample Identification		**Substances**	**Substances**	***SO-17360-4/20/10-DR-037***	***SO-17360-4/20/10-DR-038***	***SO-17360-4/20/10-DR-039***	***SO-17360-4/20/10-DR-040***	***SO-17360-4/20/10-DR-041***
Sample Date		**Control**	**Control**	***4/20/2010***	***4/20/2010***	***4/20/2010***	***4/20/2010***	***4/20/2010***
Sample Depth		**Act [1]**	**Act [2]**	***(0-2) ft BGS***	***(2-4) ft BGS***	***(4-6) ft BGS***	***(6-8) ft BGS***	***(8-10) ft BGS***
Sample Type		**a**	**b**					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.28 U	0.28 U	0.32 U	0.29 U	0.28 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.28 UJ	0.28 UJ	0.32 UJ	0.29 U	0.28 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.28 U	0.28 U	0.32 U	0.29 U	0.28 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.28 U	0.28 U	0.32 U	0.29 U	0.28 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.28 U	0.28 U	0.32 U	0.29 U	0.28 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.28 U	0.28 U	0.32 U	0.29 U	0.28 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.28 U	0.28 U	0.32 U	0.29 U	0.28 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB35-10*	*SB35-10*	*SB35-10*	*SB35-10*	*SB35-10*
Sample Identification				*SO-17360-4/20/10-DR-032*	*SO-17360-4/20/10-DR-033*	*SO-17360-4/20/10-DR-034*	*SO-17360-4/20/10-DR-035*	*SO-17360-4/20/10-DR-036*
Sample Date				*4/20/2010*	*4/20/2010*	*4/20/2010*	*4/20/2010*	*4/20/2010*
Sample Depth				*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*
Sample Type		a	b					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.31 U	0.3 U	0.31 U	0.3 U	0.29 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.31 U	0.3 U	0.31 U	0.3 U	0.29 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.31 U	0.3 U	0.31 U	0.3 U	0.29 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.31 U	0.3 U	0.31 U	0.3 U	0.29 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.31 U	0.3 U	0.31 U	0.3 U	0.29 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.31 U	0.3 U	0.31 U	0.3 U	0.29 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.31 U	0.3 U	0.04 J	0.3 U	0.29 U
Total PCBs	mg/kg	1	10	ND	ND	0.04 J	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		**Toxic Substances Control Act [1]**	**Toxic Substances Control Act [2]**	***SB36-10***	***SB36-10***	***SB36-10***	***SB36-10***	***SB36-10***
Sample Identification				***SO-17360-4/20/10-DR-021***	***SO-17360-4/20/10-DR-022***	***SO-17360-4/20/10-DR-023***	***SO-17360-4/20/10-DR-024***	***SO-17360-4/20/10-DR-025***
Sample Date				***4/20/2010***	***4/20/2010***	***4/20/2010***	***4/20/2010***	***4/20/2010***
Sample Depth				***(0-2) ft BGS***	***(0-2) ft BGS***	***(2-4) ft BGS***	***(4-6) ft BGS***	***(6-8) ft BGS***
Sample Type					***Duplicate***			
	Units	**a**	**b**					
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.29 U	0.28 U	0.57 U	0.28 U	0.29 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.29 U	0.28 U	0.57 U	0.28 U	0.29 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.29 U	0.28 U	0.57 U	0.28 U	0.29 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.29 U	0.28 U	0.57 U	0.28 U	0.29 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.29 U	0.28 U	0.57 U	0.28 U	0.29 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.29 U	0.28 U	0.57 U	0.28 U	0.29 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.29 U	0.28 U	0.57 U	0.28 U	0.29 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB36-10*	*SB37-10*	*SB37-10*	*SB37-10*	*SB37-10*
Sample Identification		Substances	Substances	*SO-17360-4/20/10-DR-026*	*SO-17360-4/20/10-DR-015*	*SO-17360-4/20/10-DR-016*	*SO-17360-4/20/10-DR-017*	*SO-17360-4/20/10-DR-018*
Sample Date		Control	Control	*4/20/2010*	*4/20/2010*	*4/20/2010*	*4/20/2010*	*4/20/2010*
Sample Depth		Act [1]	Act [2]	*(8-10) ft BGS*	*(0-2) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*
Sample Type		a	b			*Duplicate*		
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.28 U	0.27 U	0.27 U	0.29 U	0.29 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.28 U	0.27 U	0.27 U	0.29 U	0.29 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.28 U	0.27 U	0.27 U	0.29 U	0.29 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.28 U	0.27 U	0.27 U	0.29 U	0.29 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.28 U	0.27 U	0.27 U	0.29 U	0.29 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.28 U	0.27 U	0.27 U	0.29 U	0.29 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.28 U	0.27 U	0.27 U	0.29 U	0.29 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		**Toxic Substances Control Act [1]**	**Toxic Substances Control Act [2]**	***SB37-10***	***SB37-10***	***SB38-10***	***SB38-10***	***SB38-10***
Sample Identification				***SO-17360-4/20/10-DR-019***	***SO-17360-4/20/10-DR-020***	***SO-17360-4/20/10-DR-009***	***SO-17360-4/20/10-DR-010***	***SO-17360-4/20/10-DR-011***
Sample Date				***4/20/2010***	***4/20/2010***	***4/20/2010***	***4/20/2010***	***4/20/2010***
Sample Depth				***(6-8) ft BGS***	***(8-10) ft BGS***	***(0-2) ft BGS***	***(2-4) ft BGS***	***(2-4) ft BGS***
Sample Type								***Duplicate***
	Units	**a**	**b**					
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.29 U	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.29 U	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.29 U	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.29 U	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.29 U	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.29 U	0.28 U	0.28 U	0.028 J	0.022 J
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.29 U	0.28 U	0.28 U	0.28 U	0.28 U
Total PCBs	mg/kg	1	10	ND	ND	ND	0.028 J	0.022 J

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB38-10*	*SB38-10*	*SB38-10*	*SB40-10*	*SB40-10*
Sample Identification		Substances	Substances	*SO-17360-4/20/10-DR-012*	*SO-17360-4/20/10-DR-013*	*SO-17360-4/20/10-DR-014*	*SO-17360-4/20/10-DR-027*	*SO-17360-4/20/10-DR-028*
Sample Date		Control	Control	*4/20/2010*	*4/20/2010*	*4/20/2010*	*4/20/2010*	*4/20/2010*
Sample Depth		Act [1]	Act [2]	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Type		a	b					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.28 U	0.28 U	0.28 U	0.58 U	0.29 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.28 U	0.28 U	0.28 U	0.58 U	0.29 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.28 U	0.28 U	0.28 U	0.58 U	0.29 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.28 U	0.28 U	0.28 U	0.58 U	0.29 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.28 U	0.28 U	0.28 U	0.58 U	0.29 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.28 U	0.28 U	0.28 U	0.58 U	0.29 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.28 U	0.28 U	0.28 U	0.58 U	0.29 U
Total PCBs	mg/kg	1	10	ND	ND	ND	0	0

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		**Toxic Substances Control Act [1]**	**Toxic Substances Control Act [2]**	***SB40-10***	***SB40-10***	***SB40-10***	***SB106-11***	***SB106-11***
Sample Identification				***SO-17360-4/20/10-DR-029***	***SO-17360-4/20/10-DR-030***	***SO-17360-4/20/10-DR-031***	***SO-17360-031411-DR-211***	***SO-17360-031411-DR-212***
Sample Date				***4/20/2010***	***4/20/2010***	***4/20/2010***	***3/14/2011***	***3/14/2011***
Sample Depth				***(4-6) ft BGS***	***(6-8) ft BGS***	***(8-10) ft BGS***	***(0-2) ft BGS***	***(0-2) ft BGS***
Sample Type		**a**	**b**					***Duplicate***
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.28 U	0.33 U	0.29 U	0.29 U	0.29 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.28 U	0.33 U	0.29 U	0.29 U	0.29 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.28 U	0.33 U	0.29 U	0.29 U	0.29 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.28 U	0.33 U	0.29 U	0.29 U	0.29 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.28 U	0.33 U	0.29 U	0.29 U	0.29 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.28 U	0.33 U	0.29 U	0.29 U	0.29 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.28 U	0.33 U	0.29 U	0.29 U	0.29 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		**Toxic**	**Toxic**	***SB106-11***	***SB106-11***	***SB106-11***	***SB106-11***	***SB107-11***
Sample Identification		**Substances**	**Substances**	***SO-17360-031411-DR-213***	***SO-17360-031411-DR-214***	***SO-17360-031411-DR-215***	***SO-17360-031411-DR-216***	***SO-17360-031411-DR-217***
Sample Date		**Control**	**Control**	***3/14/2011***	***3/14/2011***	***3/14/2011***	***3/14/2011***	***3/14/2011***
Sample Depth		**Act [1]**	**Act [2]**	***(2-4) ft BGS***	***(4-6) ft BGS***	***(6-8) ft BGS***	***(8-10) ft BGS***	***(0-2) ft BGS***
Sample Type		**a**	**b**					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.34 U	0.28 U	0.29 U	0.28 U	0.3 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.34 U	0.28 U	0.29 U	0.28 U	0.3 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.34 U	0.28 U	0.29 U	0.28 U	0.3 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.34 U	0.28 U	0.29 U	0.28 U	0.3 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.34 U	0.28 U	0.29 U	0.28 U	0.3 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.34 U	0.28 U	0.29 U	0.28 U	0.3 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.34 U	0.28 U	0.29 U	0.28 U	0.3 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB107-11*	*SB107-11*	*SB107-11*	*SB107-11*	*SB108-11*
Sample Identification		Substances	Substances	*SO-17360-031411-DR-218*	*SO-17360-031411-DR-219*	*SO-17360-031411-DR-220*	*SO-17360-031411-DR-221*	*SO-17360-031411-DR-222*
Sample Date		Control	Control	*3/14/2011*	*3/14/2011*	*3/14/2011*	*3/14/2011*	*3/14/2011*
Sample Depth		Act [1]	Act [2]	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Type		a	b					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.36 U	0.39 U	0.35 U	0.29 U	0.3 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.36 U	0.39 U	0.35 U	0.29 U	0.3 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.36 U	0.39 U	0.35 U	0.29 U	0.3 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.36 U	0.39 U	0.35 U	0.29 U	0.3 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.36 U	0.39 U	0.35 U	0.29 U	0.3 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.36 U	0.22 J	0.35 U	0.29 U	0.3 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.36 U	0.39 U	0.35 U	0.29 U	0.3 U
Total PCBs	mg/kg	1	10	ND	0.22 J	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		**Toxic**	**Toxic**	***SB108-11***	***SB108-11***	***SB108-11***	***SB108-11***	***SB109-11***
Sample Identification		**Substances**	**Substances**	***SO-17360-031411-DR-223***	***SO-17360-031411-DR-224***	***SO-17360-031411-DR-225***	***SO-17360-031411-DR-226***	***SO-17360-031411-DR-227***
Sample Date		**Control**	**Control**	***3/14/2011***	***3/14/2011***	***3/14/2011***	***3/14/2011***	***3/14/2011***
Sample Depth		**Act [1]**	**Act [2]**	***(2-4) ft BGS***	***(4-6) ft BGS***	***(6-8) ft BGS***	***(8-10) ft BGS***	***(0-2) ft BGS***
Sample Type		**a**	**b**					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.28 U	0.28 U	0.37 U	0.29 U	0.31 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.28 U	0.28 U	0.37 U	0.29 U	0.31 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.28 U	0.28 U	0.37 U	0.29 U	0.31 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.28 U	0.28 U	0.37 U	0.29 U	0.31 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.28 U	0.28 U	0.37 U	0.29 U	0.31 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.28 U	0.28 U	0.37 U	0.29 U	0.31 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.28 U	0.28 U	0.37 U	0.29 U	0.31 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB109-11*	*SB109-11*	*SB109-11*	*SB109-11*	*SB109-11*
Sample Identification		Substances	Substances	*SO-17360-031411-DR-228*	*SO-17360-031411-DR-229*	*SO-17360-031411-DR-230*	*SO-17360-031411-DR-231*	*SO-17360-031411-DR-232*
Sample Date		Control	Control	*3/14/2011*	*3/14/2011*	*3/14/2011*	*3/14/2011*	*3/14/2011*
Sample Depth		Act [1]	Act [2]	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(8-10) ft BGS*
Sample Type		a	b					*Duplicate*
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.27 U	0.29 U	0.5 U	0.28 U	0.28 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.27 U	0.29 U	0.5 U	0.28 U	0.28 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.27 U	0.29 U	0.5 U	0.28 U	0.28 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.27 U	0.29 U	0.5 U	0.28 U	0.28 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.27 U	0.29 U	0.5 U	0.28 U	0.28 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.27 U	0.29 U	0.5 U	0.28 U	0.28 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.27 U	0.048 J	0.5 U	0.28 U	0.28 U
Total PCBs	mg/kg	1	10	ND	0.048 J	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		**Toxic**	**Toxic**	***SB110-11***	***SB110-11***	***SB110-11***	***SB110-11***	***SB110-11***
Sample Identification		**Substances**	**Substances**	***SO-17360-031411-DR-233***	***SO-17360-031411-DR-234***	***SO-17360-031411-DR-235***	***SO-17360-031411-DR-236***	***SO-17360-031411-DR-237***
Sample Date		**Control**	**Control**	***3/14/2011***	***3/14/2011***	***3/14/2011***	***3/14/2011***	***3/14/2011***
Sample Depth		**Act [1]**	**Act [2]**	***(0-2) ft BGS***	***(2-4) ft BGS***	***(4-6) ft BGS***	***(6-8) ft BGS***	***(8-10) ft BGS***
Sample Type		**a**	**b**					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.3 U	0.28 U	0.31 U	0.68 U	0.28 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.3 U	0.28 U	0.31 U	0.68 U	0.28 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.3 U	0.28 U	0.31 U	0.68 U	0.28 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.3 U	0.28 U	0.31 U	0.68 U	0.28 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.3 U	0.28 U	0.31 U	0.68 U	0.28 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.3 U	0.28 U	0.31 U	0.68 U	0.28 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.3 U	0.28 U	0.027 J	0.68 U	0.28 U
Total PCBs	mg/kg	1	10	ND	ND	0.027 J	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		**Toxic**	**Toxic**	***SB111-11***	***SB111-11***	***SB111-11***	***SB111-11***	***SB111-11***
Sample Identification		**Substances**	**Substances**	***SO-17360-031411-DR-238***	***SO-17360-031411-DR-239***	***SO-17360-031411-DR-240***	***SO-17360-031411-DR-241***	***SO-17360-031411-DR-242***
Sample Date		**Control**	**Control**	***3/14/2011***	***3/14/2011***	***3/14/2011***	***3/14/2011***	***3/14/2011***
Sample Depth		**Act [1]**	**Act [2]**	***(0-2) ft BGS***	***(2-4) ft BGS***	***(4-6) ft BGS***	***(6-8) ft BGS***	***(8-10) ft BGS***
Sample Type		**a**	**b**					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.3 U	0.3 U	0.37 U	0.89 U	0.33 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.3 U	0.3 U	0.37 U	0.89 U	0.33 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.3 U	0.3 U	0.37 U	0.89 U	0.33 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.3 U	0.3 U	0.37 U	0.89 U	0.33 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.3 U	0.3 U	0.37 U	0.89 U	0.33 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.3 U	0.3 U	0.37 U	0.89 U	0.33 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.3 U	0.3 U	0.37 U	0.89 U	0.33 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB145-11*	*SB145-11*	*SB145-11*	*SB145-11*	*SB145-11*	*SB145-11*
Sample Identification		Substances	Substances	*S-17360-093011-EM-151*	*S-17360-093011-EM-152*	*S-17360-093011-EM-153*	*S-17360-093011-EM-154*	*S-17360-093011-EM-155*	*S-17360-093011-EM-156*
Sample Date		Control	Control	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*
Sample Depth		Act [1]	Act [2]	*(0-2) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*
Sample Type		a	b		*Duplicate*				
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.036 U	0.037 U	0.035 U	0.036 U	0.08 U	0.048 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.036 U	0.037 U	0.035 U	0.036 U	0.08 U	0.048 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.036 U	0.037 U	0.035 U	0.036 U	0.08 U	0.048 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.036 U	0.037 U	0.035 U	0.036 U	0.08 U	0.048 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.036 U	0.037 U	0.035 U	0.036 U	0.08 U	0.048 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.036 U	0.037 U	0.035 U	0.036 U	0.08 U	0.048 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.036 U	0.037 U	0.035 U	0.036 U	0.08 U	0.048 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB146-11*	*SB146-11*	*SB146-11*	*SB146-11*	*SB146-11*	*SB147-11*
Sample Identification		Substances	Substances	*S-17360-093011-EM-146*	*S-17360-093011-EM-147*	*S-17360-093011-EM-148*	*S-17360-093011-EM-149*	*S-17360-093011-EM-150*	*S-17360-093011-EM-141*
Sample Date		Control	Control	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*
Sample Depth		Act [1]	Act [2]	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Type		a	b						
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.037 U	0.036 U	0.035 U	0.081 U	0.077 U	0.18 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.037 U	0.036 U	0.035 U	0.081 U	0.077 U	0.18 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.037 U	0.036 U	0.035 U	0.081 U	0.077 U	0.18 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.037 U	0.036 U	0.035 U	0.081 U	0.077 U	0.18 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.037 U	0.036 U	0.035 U	0.081 U	0.077 U	0.18 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.037 U	0.036 U	0.035 U	0.081 U	0.077 U	0.18 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.037 U	0.036 U	0.035 U	0.081 U	0.077 U	1.1
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND	**1.1[a]**

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB147-11*	*SB147-11*	*SB147-11*	*SB147-11*	*SB148-11*	*SB148-11*
Sample Identification		Substances	Substances	*S-17360-093011-EM-142*	*S-17360-093011-EM-143*	*S-17360-093011-EM-144*	*S-17360-093011-EM-145*	*S-17360-093011-EM-136*	*S-17360-093011-EM-137*
Sample Date		Control	Control	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*
Sample Depth		Act [1]	Act [2]	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Type		a	b						
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.036 U	0.098 U	0.12 U	0.11 U	1.8 U	0.81 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.036 U	0.098 U	0.12 U	0.11 U	1.8 U	0.81 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.036 U	0.098 U	0.12 U	0.11 U	1.8 U	0.81 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.036 U	0.098 U	0.12 U	0.11 U	1.8 U	0.81 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.036 U	0.098 U	0.12 U	0.11 U	1.8 U	0.81 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.036 U	0.098 U	0.12 U	0.11 U	1.8 U	10
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.28	0.098 U	0.12 U	0.11 U	14	0.81 U
Total PCBs	mg/kg	1	10	0.28	ND	ND	ND	**14[ab]**	**10[a]**

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB148-11*	*SB148-11*	*SB148-11*	*SB149-11*	*SB149-11*	*SB149-11*
Sample Identification		Substances	Substances	*S-17360-093011-EM-138*	*S-17360-093011-EM-139*	*S-17360-093011-EM-140*	*S-17360-093011-EM-131*	*S-17360-093011-EM-132*	*S-17360-093011-EM-133*
Sample Date		Control	Control	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*
Sample Depth		Act [1]	Act [2]	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*
Sample Type		a	b						
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.18 U	1.1 U	0.035 U	1.8 U	0.038 U	0.075 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.18 U	1.1 U	0.035 U	1.8 U	0.038 U	0.075 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.18 U	1.1 U	0.035 U	1.8 U	0.038 U	0.075 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.18 U	1.1 U	0.035 U	1.8 U	0.038 U	0.075 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.18 U	1.1 U	0.035 U	1.8 U	0.038 U	0.075 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.18 U	1.1 U	0.035 U	1.8 U	0.038 U	0.075 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.89	7.1	0.035 U	8.9	0.34	0.075 U
Total PCBs	mg/kg	1	10	0.89	**7.1**[a]	ND	**8.9**[a]	0.34	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB149-11*	*SB149-11*	*SB150-11*	*SB150-11*	*SB150-11*	*SB150-11*
Sample Identification				*S-17360-093011-EM-134*	*S-17360-093011-EM-135*	*S-17360-093011-EM-126*	*S-17360-093011-EM-127*	*S-17360-093011-EM-128*	*S-17360-093011-EM-129*
Sample Date				*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*
Sample Depth				*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*
Sample Type		a	b						
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.035 U	0.036 U	0.73 U	0.036 U	0.037 U	0.046 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.035 U	0.036 U	0.73 U	0.036 U	0.037 U	0.046 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.035 U	0.036 U	0.73 U	0.036 U	0.037 U	0.046 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.035 U	0.036 U	0.73 U	0.036 U	0.037 U	0.046 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.035 U	0.036 U	0.73 U	0.036 U	0.037 U	0.046 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.035 U	0.036 U	0.73 U	0.036 U	0.037 U	0.046 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.035 U	0.036 U	4.8	0.22	0.076	0.043 J
Total PCBs	mg/kg	1	10	ND	ND	**4.8**[a]	0.22	0.076	0.043 J

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB150-11*	*SB151-11*	*SB151-11*	*SB151-11*	*SB151-11*	*SB151-11*
Sample Identification		Substances	Substances	*S-17360-093011-EM-130*	*S-17360-093011-EM-121*	*S-17360-093011-EM-122*	*S-17360-093011-EM-123*	*S-17360-093011-EM-124*	*S-17360-093011-EM-125*
Sample Date		Control	Control	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*
Sample Depth		Act [1]	Act [2]	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*
Sample Type		a	b						
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.038 U	0.035 U	0.035 U	0.035 U	0.036 U	0.037 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.038 U	0.035 U	0.035 U	0.035 U	0.036 U	0.037 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.038 U	0.035 U	0.035 U	0.035 U	0.036 U	0.037 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.038 U	0.035 U	0.035 U	0.035 U	0.036 U	0.037 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.038 U	0.035 U	0.035 U	0.035 U	0.036 U	0.037 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.038 U	0.035 U	0.035 U	0.035 U	0.036 U	0.037 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.038 U	0.035 U	0.035 U	0.035 U	0.057	0.037 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	0.057	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB152-11*	*SB152-11*	*SB152-11*	*SB152-11*	*SB152-11*	*SB207-12*
Sample Identification		Substances	Substances	*S-17360-093011-EM-116*	*S-17360-093011-EM-117*	*S-17360-093011-EM-118*	*S-17360-093011-EM-119*	*S-17360-093011-EM-120*	*S-17360-110112-DD-185*
Sample Date		Control	Control	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*9/30/2011*	*11/01/2012*
Sample Depth		Act [1]	Act [2]	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Type		a	b						
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.036 U	0.036 U	0.035 U	0.035 U	0.036 U	0.37 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.036 U	0.036 U	0.035 U	0.035 U	0.036 U	0.37 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.036 U	0.036 U	0.035 U	0.035 U	0.036 U	0.37 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.036 U	0.036 U	0.035 U	0.035 U	0.036 U	0.37 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.036 U	0.036 U	0.035 U	0.035 U	0.036 U	0.37 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.036 U	0.036 U	0.035 U	0.035 U	0.036 U	0.37 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.036 U	0.036 U	0.035 U	0.035 U	0.036 U	0.24 J
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND	0.24 J

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB207-12*	*SB207-12*	*SB207-12*	*SB207-12*	*SB207-12*	*SB212-12*
Sample Identification		Substances	Substances	*S-17360-110112-DD-186*	*S-17360-110112-DD-187*	*S-17360-110112-DD-188*	*S-17360-110112-DD-189*	*S-17360-110112-DD-190*	*S-17360-110112-DD-191*
Sample Date		Control	Control	*11/01/2012*	*11/01/2012*	*11/01/2012*	*11/01/2012*	*11/01/2012*	*11/01/2012*
Sample Depth		Act [1]	Act [2]	*(2-4) ft BGS*	*(4-6) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Type		a	b			*Duplicate*			
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	1	10	1.4 U	0.63 U	0.78 U	0.37 U	0.58 U	0.35 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	1.4 U	0.63 U	0.78 U	0.37 U	0.58 U	0.35 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	1.4 U	0.63 U	0.78 U	0.37 U	0.58 U	0.35 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	1.4 U	0.63 U	0.78 U	0.37 U	0.58 U	0.35 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	1.4 U	0.63 U	0.78 U	0.37 U	0.58 U	0.35 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	1.4 U	0.63 U	0.78 U	0.37 U	0.58 U	0.35 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	23	6.1	12	0.20 J	0.0097 J	0.039 J
Total PCBs	mg/kg	1	10	**23**[ab]	**6.1**[a]	**12**[ab]	0.2 J	0.0097 J	0.039 J

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB212-12*	*SB212-12*	*SB212-12*	*SB212-12*	*SB232-13*
Sample Identification		Substances	Substances	*S-17360-110112-DD-192*	*S-17360-110112-DD-193*	*S-17360-110112-DD-194*	*S-17360-110112-DD-195*	*SO-17360-042413-DR-050*
Sample Date		Control	Control	*11/01/2012*	*11/01/2012*	*11/01/2012*	*11/01/2012*	*04/24/2013*
Sample Depth		Act [1]	Act [2]	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Type		a	b					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.36 U	0.36 U	0.38 U	0.41 U	0.37 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.36 U	0.36 U	0.38 U	0.41 U	0.37 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.36 U	0.36 U	0.38 U	0.41 U	0.37 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.36 U	0.36 U	0.38 U	0.41 U	0.37 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.36 U	0.36 U	0.38 U	0.41 U	0.37 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.36 U	0.36 U	0.38 U	0.41 U	0.37 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.0081 J	0.36 U	0.019 J	0.41 U	0.37 U
Total PCBs	mg/kg	1	10	0.0081 J	ND	0.019 J	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB232-13*	*SB232-13*	*SB232-13*	*SB232-13*	*SB277-13*
Sample Identification		Substances	Substances	*SO-17360-042413-DR-051*	*SO-17360-042413-DR-052*	*SO-17360-042413-DR-053*	*SO-17360-042413-DR-054*	*SO-017360-102213-MR-040*
Sample Date		Control	Control	*04/24/2013*	*04/24/2013*	*04/24/2013*	*04/24/2013*	*10/22/2013*
Sample Depth		Act [1]	Act [2]	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Type		a	b					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.41 U	0.38 U	0.55 U	0.66 U	0.093 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.41 U	0.38 U	0.55 U	0.66 U	0.093 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.41 U	0.38 U	0.55 U	0.66 U	0.093 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.41 U	0.38 U	0.55 U	0.66 U	0.093 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.41 U	0.38 U	0.55 U	0.66 U	0.093 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.41 U	0.38 U	0.55 U	0.66 U	0.093 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.41 U	0.38 U	0.55 U	0.66 U	0.093 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB277-13*	*SB277-13*	*SB277-13*	*SB277-13*	*SB277-13*
Sample Identification				*SO-017360-102213-MR-041*	*SO-017360-102213-MR-042*	*SO-017360-102213-MR-043*	*SO-017360-102213-MR-044*	*SO-017360-102213-MR-045*
Sample Date				*10/22/2013*	*10/22/2013*	*10/22/2013*	*10/22/2013*	*10/22/2013*
Sample Depth				*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*
Sample Type		a	b				*Duplicate*	
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.091 U	0.087 U	0.12 U	0.11 U	0.16 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.091 U	0.087 U	0.12 U	0.11 U	0.16 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.091 U	0.087 U	0.12 U	0.11 U	0.16 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.091 U	0.087 U	0.12 U	0.11 U	0.16 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.091 U	0.087 U	0.12 U	0.11 U	0.16 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.091 U	0.087 U	0.12 U	0.11 U	0.16 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.091 U	0.087 U	0.12 U	0.11 U	0.16 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB278-13*	*SB278-13*	*SB278-13*	*SB280-13*	*SB280-13*
Sample Identification				*SO-017360-102213-MR-047*	*SO-017360-102213-MR-048*	*SO-017360-102213-MR-049*	*SO-017360-102213-MR-051*	*SO-017360-102213-MR-052*
Sample Date				*10/22/2013*	*10/22/2013*	*10/22/2013*	*10/22/2013*	*10/22/2013*
Sample Depth				*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*
Sample Type								
	Units	a	b					
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.1 U	0.1 U	0.29 UJ	0.086 U	0.091 UJ
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.1 U	0.1 U	0.29 UJ	0.086 U	0.091 UJ
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.1 U	0.1 U	0.29 UJ	0.086 U	0.091 UJ
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.1 U	0.1 U	0.29 UJ	0.086 U	0.091 UJ
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.1 U	0.1 U	0.29 UJ	0.086 U	0.091 UJ
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.1 U	0.1 U	0.29 UJ	0.086 U	0.091 UJ
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.1 U	0.1 U	0.29 UJ	0.086 U	0.091 UJ
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB280-13*	*SB282-13*	*SB282-13*	*SB282-13*	*SB282-13*
Sample Identification		Substances	Substances	*SO-017360-102213-MR-053*	*SO-017360-102213-MR-036*	*SO-017360-102213-MR-037*	*SO-017360-102213-MR-038*	*SO-017360-102213-MR-039*
Sample Date		Control	Control	*10/22/2013*	*10/22/2013*	*10/22/2013*	*10/22/2013*	*10/22/2013*
Sample Depth		Act [1]	Act [2]	*(8-10) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*
Sample Type		a	b				*Duplicate*	
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.095 U	0.087 U	0.1 U	0.098 U	0.35 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.095 U	0.087 U	0.1 U	0.098 U	0.35 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.095 U	0.087 U	0.1 U	0.098 U	0.35 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.095 U	0.087 U	0.1 U	0.098 U	0.35 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.095 U	0.087 U	0.1 U	0.098 U	0.35 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.095 U	0.087 U	0.1 U	0.098 U	0.35 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.095 U	0.087 U	0.1 U	0.098 U	0.35 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic Substances Control Act [1]	Toxic Substances Control Act [2]	*SB284-13*	*SB284-13*	*SB284-13*	*SB284-13*	*SB292-13*
Sample Identification				*SO-017360-102213-MR-030*	*SO-017360-102213-MR-031*	*SO-017360-102213-MR-032*	*SO-017360-102213-MR-033*	*SO-017360-102113-MR-018*
Sample Date				*10/22/2013*	*10/22/2013*	*10/22/2013*	*10/22/2013*	*10/21/2013*
Sample Depth				*(4-6) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(2-4) ft BGS*
Sample Type		a	b		*Duplicate*			
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.086 U	0.086 U	0.085 U	0.093 U	0.089 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.086 U	0.086 U	0.085 U	0.093 U	0.089 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.086 U	0.086 U	0.085 U	0.093 U	0.089 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.086 U	0.086 U	0.085 U	0.093 U	0.089 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.086 U	0.086 U	0.085 U	0.093 U	0.089 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.086 U	0.086 U	0.085 U	0.093 U	0.089 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.086 U	0.086 U	0.085 U	0.093 U	0.089 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		Toxic	Toxic	*SB292-13*	*SB292-13*	*SB292-13*	*SB294-13*	*SB294-13*
Sample Identification		Substances	Substances	*SO-017360-102113-MR-019*	*SO-017360-102113-MR-020*	*SO-017360-102113-MR-021*	*SO-017360-102113-MR-023*	*SO-017360-102113-MR-024*
Sample Date		Control	Control	*10/21/2013*	*10/21/2013*	*10/21/2013*	*10/21/2013*	*10/21/2013*
Sample Depth		Act [1]	Act [2]	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*
Sample Type		a	b					
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.084 U	0.083 U	0.085 U	0.088 U	0.085 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.084 U	0.083 U	0.085 U	0.088 U	0.085 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.084 U	0.083 U	0.085 U	0.088 U	0.085 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.084 U	0.083 U	0.085 U	0.088 U	0.085 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.084 U	0.083 U	0.085 U	0.088 U	0.085 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.084 U	0.083 U	0.085 U	0.088 U	0.085 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.084 U	0.083 U	0.085 U	0.088 U	0.085 U
Total PCBs	mg/kg	1	10	ND	ND	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

TABLE 3

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - BULK UNLOAD AREA
RISK-BASED PCB CLEANUP PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		**Toxic**	**Toxic**	***SB294-13***	***SB294-13***	***SB294-13***
Sample Identification		**Substances**	**Substances**	***SO-017360-102113-MR-025***	***SO-017360-102113-MR-026***	***SO-017360-102113-MR-027***
Sample Date		**Control**	**Control**	***10/21/2013***	***10/21/2013***	***10/21/2013***
Sample Depth		**Act [1]**	**Act [2]**	***(6-8) ft BGS***	***(8-10) ft BGS***	***(8-10) ft BGS***
Sample Type		**a**	**b**			***Duplicate***
	Units					
PCBs						
Aroclor-1016 (PCB-1016)	mg/kg	1	10	0.087 U	0.087 U	0.086 U
Aroclor-1221 (PCB-1221)	mg/kg	1	10	0.087 U	0.087 U	0.086 U
Aroclor-1232 (PCB-1232)	mg/kg	1	10	0.087 U	0.087 U	0.086 U
Aroclor-1242 (PCB-1242)	mg/kg	1	10	0.087 U	0.087 U	0.086 U
Aroclor-1248 (PCB-1248)	mg/kg	1	10	0.087 U	0.087 U	0.086 U
Aroclor-1254 (PCB-1254)	mg/kg	1	10	0.087 U	0.087 U	0.086 U
Aroclor-1260 (PCB-1260)	mg/kg	1	10	0.087 U	0.087 U	0.086 U
Total PCBs	mg/kg	1	10	ND	ND	ND

Notes:
[1] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[2] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

Appendix A

Self-Implementing Plan for the Remediation of PCB-Impacted Soils Pursuant to 40 CFR 761.61(a)

SELF-IMPLEMENTING PLAN FOR THE REMEDIATION OF PCB-IMPACTED SOILS PURSUANT TO 40 CFR 761.61(a)

FORMER GRAND RAPIDS METAL PLANT
300 36th STREET SW
WYOMING, MICHIGAN

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FIGURE 2.1 SITE PLAN

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FIGURE 3.2 PCB AREA NO. 2 – DELINEATION SAMPLE LOCATIONS

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APPENDIX A STRATIGRAPHIC SOIL BORING LOGS

1.0 INTRODUCTION/PURPOSE OF REPORT

Conestoga-Rovers & Associates (CRA) has prepared this Self-Implementing Plan (SIP) on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust for the former Grand Rapids Metal Plant property located at 300 36th Street SW in Wyoming, Michigan (Site). The Site location is presented on Figure 1.1. This SIP has been prepared for submittal to the United States Environmental Protection Agency (U.S. EPA) – Region 5, the Michigan Department of Environmental Quality (MDEQ), and the Kent County Health Department (KCHD) in accordance with the procedures set forth in 40 Code of Federal Regulations (CFR) 761.61(a) of the Toxic Substances Control Act (TSCA) regarding the characterization and remediation of polychlorinated biphenyl (PCB) remediation waste.

General Motors Corporation (GMC) initiated automotive manufacturing operations at the Site in 1936. Operations ceased at the Site on June 30, 2010. GMC filed for bankruptcy under Chapter 11 of the United States Bankruptcy Code on June 1, 2009. On July 10, 2009, pursuant to a bankruptcy court order, Motors Liquidation Company (MLC) retained ownership of the Site, and on October 20, 2010 entered into a settlement agreement with federal and state governmental authorities regarding MLC's environmental obligations at its remaining properties. According to the terms of the settlement agreement, RACER Trust became effective March 31, 2011 and interests in the Site were transferred to RACER Trust at that time to conduct, manage, and fund cleanup at the 89 sites formerly owned by MLC, including the Site. The Site was sold to the City of Wyoming Brownfield Redevelopment Authority (WBRA) on June 28, 2011; however, RACER Trust retains certain responsibilities related to subsurface contamination associated with historical operations at the Site by GMC. As such, the scope of this SIP is limited to specific subsurface areas of the Site only, as described in subsequent sections.

The Site is currently undergoing redevelopment activities including decommissioning, demolition, and property re-grading by contractors on behalf of the WBRA. The majority of the historical structures at the Site have been decommissioned and demolished, or are undergoing demolition at this time.

This SIP is being filed with the U.S. EPA, MDEQ, and the KCHD in accordance with 40 CFR 761.61(a)(3)(i). RACER Trust respectfully requests an expedited review of this SIP in order to assist the on-going redevelopment efforts of the WBRA's contractors in the removal of the former Main Manufacturing Building slab and re-grading activities in a timely manner.

2.0 SITE BACKGROUND/HISTORY

2.1 SITE DESCRIPTION

The Site is located at 300 36th Street SW and consists of approximately 88 acres of land. The Site historically included an approximately 2 million square-foot Main Manufacturing Building and several outlying buildings and ancillary structures (Wastewater Treatment Plant [WWTP], Power House, Press Staging Building, Primary Switch House, Baler House, Rack Make-Up Building, South Fire Pump House, West Fire Pump House, Storm Sewer Pump House, Cooling Tower Pump House, Metal Storage Shed, and Guard House), asphalt and concrete-paved areas, a stormwater retention pond, and vegetated and landscaped areas. The majority of the historical structures at the Site have been decommissioned and demolished, or are undergoing demolition at this time. Figure 2.1 presents a Site plan.

2.2 ENVIRONMENTAL SETTING

The Site is located in a mixed industrial, commercial, residential and recreational area in the City of Wyoming, Michigan with Buchanan Ave SW and mixed industrial/residential to the east, mixed recreational and residential to the north, railroad tracks and mixed commercial/industrial to the west, and 40th Street SW and residential to the south as further discussed below.

The Site is abutted to the north by Price and Company, Godwin Heights Public Schools athletic fields and residential properties, with Hillcroft Park located beyond.

The Site is abutted to the east by Buchanan Street followed by an Amoco gas station, Tint Factory, N&A Auto Repair, Prestige Transport, LLC, Steil Property Management, RSP Investment Property, Inc., MSC Industrial Supply Co., Clean Rooms International, Independent Glass, Chase Creative Unlimited, Ter Molen & Hart Sheet Metal, Tracer Tool & Die Co., United Auto Workers (UAW) Hall, Conical Tapered Mills, a vacant commercial/industrial building, a vacant lot, Mark Maker Company, and residential properties.

The Site is abutted to the south by 40th Street followed by Accurate Alignment & Brake and residential properties.

The Site is abutted to the west by railroad tracks, Cole Drain, Consumers high-tension power lines, Consumers Service Center, The Macomb Group, and Clay Avenue followed by Ryder Truck, Cummins, a vacant commercial/industrial building, K-Mac Plastics,

Floyd's Electric, Consolidated Metal Products, Inc., Rose Pest Solutions, Donald Engineering, and Earl Jourdan Auto Parts.

2.3 SITE HISTORY

GMC initiated automotive manufacturing operations at the Site in 1936. Additional buildings were constructed and the Site was expanded several times between 1937 and 2006. Primary operations conducted at the Site consisted of metal fabrication and assembly for consumer vehicles. Operations ceased at the Site on June 30, 2010. The Site is currently on the Michigan Act 451, Part 201 Site List (Site Identification No. 41000115) and RACER Trust is conducting Site-wide investigation and monitoring activities associated with the listing.

The Site is currently undergoing redevelopment activities including decommissioning, demolition, and property re-grading by contractors on behalf of the WBRA. The majority of the historical structures at the Site have been decommissioned and demolished, or are undergoing demolition at this time.

2.4 HISTORICAL USAGE OF PCBs

As part of initial facility decommissioning, a draft Facility Environmental Assessment (FEA) was performed by CRA in October 2010, which included an evaluation of above grade potential PCB-containing or impacted materials. Additionally, as part of the on-going investigations and assessments being conducted at the Site associated with the Michigan Act 451, Part 201 listing, a Current Conditions Report (CCR) was prepared by CRA in December 2010, which included an evaluation of potential PCB-containing materials. As previously indicated, the scope of this SIP is limited to specific subsurface areas of the Site only, as described in subsequent sections.

The scope of work for the FEA and CCR included a Site walkthroughs of accessible Site structures, interviews with Site personnel, and a Site file review to identify potential PCB-containing materials known or suspected to have been used at the Site. Information was compiled on Site during the Site inspection, file review and interviews by CRA. Information obtained included Site drawings, Site environmental records, and copies of miscellaneous lists (equipment, wastes, etc.).

According to historical document reviews and interviews with Site personnel, the known historical uses of PCBs at the Site included: fluorescent light ballasts, hydraulic oils in machinery, and dielectric oil within transformers and capacitors. Potential PCB-

containing materials or PCB-containing materials observed included: dielectric fluids; impacted concrete and metal surfaces; light ballasts; natural gas lines; non-electrical oil-containing equipment such as elevators, air compressors and dock levelers; and solid PCB bulk product materials (i.e., floor block).

3.0 SITE CHARACTERIZATION

As identified in Section 2.3, the Site is on the Michigan Act 451, Part 201 sites list and is currently undergoing investigation and cleanup on a voluntary basis. Numerous subsurface investigations have been conducted at the Site between 1981 and 2012, which primarily evaluated non-PCB related areas of concern.

This section addresses specific subsurface evaluations conducted relative to delineation of two areas (PCB Area No. 1 and PCB Area No. 2) where PCBs were identified during a Site-wide investigation at concentrations above the High Occupancy Area Cleanup Level of 1 ppm/1 mg/kg for bulk remediation waste (without further conditions) set forth in TSCA. These two areas are being addressed at this time as the new property owner implements redevelopment activities in the area of the former Main Manufacturing Building footprint. Additional areas of PCB detections in soil above the 1 mg/kg High Occupancy Area Cleanup Level are present at the Site outside the former Main Manufacturing Building footprint; however, are not addressed in this SIP. These areas will be further evaluated and addressed, as applicable, in accordance with 40 CFR 761.61 at a later date.

3.1 SOIL BORING INSTALLATION/SOIL SAMPLING

PCB Area Nos. 1 and 2 were investigated in February and September 2011, and April 2012 through the installation of soil borings and the collection of soil samples.

Soil borings were advanced utilizing a rotosonic or direct-push (i.e., Geoprobe®) drill rig with continuous Macrocore® sampling. The Macrocore® samples were logged, examined by a CRA geologist for visual/olfactory evidence of impact, and screened with an 11.7 electron volt (eV) bulb photoionization detector (PID). The stratigraphic soil boring logs are presented in Appendix A. Soil samples, including Quality Assurance/Quality Control (QA/QC) samples, were collected from the soil boring locations for laboratory analysis as described in Sections 3.1.1 and 3.1.2. A sample summary is presented in Table 3.1.

Soil cuttings were screened with an 11.7 eV bulb PID and examined for visual/olfactory indication of contamination. All soil cuttings were containerized in Department of Transportation (DOT)-approved 55-gallon drums labeled for future characterization and off-Site disposal.

Upon completion of soil sample collection, each soil boring was abandoned by backfilling the soil boring annulus with bentonite chips to the ground surface and properly hydrating.

A survey was completed for the soil boring locations. Soil boring locations and elevations were surveyed, with elevations to the nearest 0.01-foot. The elevations were referenced to a designated above mean sea level benchmark.

3.1.1 PCB AREA NO. 1

A Site-wide investigation was conducted in February 2012. As part of this investigation, one soil boring, SB61-11, was advanced in the central portion of the former Main Manufacturing Building. Soil samples were collected for chemical analysis from the 1 to 3-foot interval immediately beneath the concrete floor slab (0 to 1-foot interval was comprised on concrete floor slab) and from the 18 to 20-foot interval (immediately above the water table). The soil samples were submitted to the laboratory for chemical analysis for PCBs, Target Compound List (TCL) volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PNAs), and Target Analyte List (TAL) metals (minus earth metals). Based on the analytical results, PCBs were detected in the soil sample collected from 1 to 3 feet bgs from SB61-11 at a concentration of 4.4 mg/kg.

Based on the detection of PCBs above 1 mg/kg in the shallow soil sample collected from SB61-11, five additional soil borings were advanced in September 2011, SB153-11 through SB156-11 and SB167-11. Soil borings SB153-11 through SB155-11 and SB167-11 were advanced on 10-foot spacing directly to the north, south, east, and west of SB61-11 and SB156-11 was advanced adjacent to SB61-11. Soil samples were collected from SB153-11 through SB155-11 and SB167-11 for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete floor slab and continuing to approximately 10 feet bgs. Soil samples collected from the interval immediately beneath the floor slab were analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Soil samples were collected from SB156-11 for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete floor slab and continuing to approximately 10 feet bgs. The soil samples collected from the 0.5 to 2.5-foot and 2.5 to 4.0-foot intervals were analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Based on the analytical results, PCBs were not detected in any of the samples collected. Therefore, the deeper samples were not analyzed by the laboratory.

Based on the results of the February and September 2011 investigations, four additional soil borings, SB173-12 through SB176-12, were advanced in April 2012. Soil borings SB173-12 through SB176-12 were advanced on 10-foot spacing to the northeast, northwest, southeast, and southwest of SB61-11/SB156-11 to complete the required delineation grid of the area. Soil samples were collected from SB173-12 through SB176-12 for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete floor slab and continuing to approximately 10 feet bgs. It should be noted that in SB173-12, the concrete slab was 2 feet thick, so the interval for the initial soil sample was the 2 to 4-foot interval, with refusal from concrete encountered below this level. Soil samples collected from the interval immediately beneath the floor slab and the subsequent interval were analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Based on the analytical results, PCBs were not detected in any of the samples collected at a concentration above 1 mg/kg. Therefore, the deeper samples were not analyzed by the laboratory.

Stratigraphic soil boring logs are presented in Appendix A. Table 3.1 presents a sample summary. Table 3.2 presents a summary of PCB analytical results for PCB Area No. 1. Figure 3.1 presents the sample locations and results for PCBs.

3.1.2 PCB AREA NO. 2

A Site-wide investigation was conducted in February 2011. As part of this investigation, one soil boring, SB124-11, was advanced in the central portion of the former Main Manufacturing Building. Soil samples were collected for chemical analysis from the 1 to 3-foot interval immediately beneath the concrete floor slab (0 to 1-foot interval was comprised on concrete floor slab) and from the 17 to 19-foot interval (immediately above the water table). The soil samples were submitted to the laboratory for chemical analysis for PCBs, TCL VOCs, PNAs, and TAL metals (minus earth metals). Based on the analytical results, PCBs were detected in the soil sample collected from 1 to 3 feet bgs from SB124-11 at a concentration of 1.3 mg/kg.

Based on the detection of PCBs above 1 mg/kg in the shallow soil sample collected from SB124-11, five additional soil borings were advanced in September 2011, SB157-11 through SB161-11. Soil borings SB157-11 through SB159-11 and SB161-11 were advanced on 10-foot spacing directly to the north, south, east, and west of SB124-11 and SB160-11 was advanced adjacent to SB124-11. Soil samples were collected from SB157-11 through SB159-11 and SB161-11 for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete floor slab and continuing to approximately 10 feet bgs. Soil samples collected from the interval immediately beneath the floor slab were

analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Soil samples were collected from SB160-11 for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete floor slab and continuing to approximately 10 feet bgs. The soil samples collected from the 0.5 to 2.5-foot and 2.5 to 4.0-foot intervals were analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Based on the analytical results, PCBs were detected in the soil sample collected from the 0.6 to 2.6-foot interval from SB159-11 at a concentration of 1.1 mg/kg. Therefore, the soil samples from the 2.6 to 4-foot and 4 to 6-foot intervals were analyzed by the laboratory. The analytical results for the deeper interval samples collected from SB159-11 and the shallow interval samples from the remainder of the borings did not indicate the presence of PCBs at concentrations above 1 mg/kg. Therefore, additional deeper samples were not analyzed by the laboratory

Based on the results of the February and September 2011 investigations, seven additional soil borings, SB181-12 through SB187-12, were planned for April 2012 to complete the required delineation grid of the area. Upon mobilization to the Site to conduct the delineation activities, it was identified that previous soil excavation activities had been conducted in the area immediately to the southwest of the delineation area and the concrete and underlying partially collapsed soil to the southwest of SB159-11 area was determined to be unstable and unsafe for the situation of the drill rig for the advancement of soil borings, SB182-12 and SB183-12. According to individuals associated with the on-going redevelopment activities, the materials that were excavated to the south-southwest of the delineation area were stockpiled on the concrete floor slab of the former Main Manufacturing Building immediately adjacent to the delineation and excavated areas. This material appears to be approximately 30 cubic yards in volume. An 8-point composite sample of this material will be collected to confirm that PCBs are not detected at a concentration of 1 ppm in the excavated material. Soil borings SB181-12 and SB184-12 through SB187-12 were advanced on 10-foot spacing to the northeast, northwest, southeast, and southwest of SB124-11/SB160-11 and SB159-11. Soil samples were collected from SB181-12 and SB184-12 through SB187-12 for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete floor slab and continuing to approximately 10 feet bgs. Soil samples collected from the interval immediately beneath the floor slab and the subsequent interval were analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Based on the analytical results, PCBs were not detected in any of the samples collected at a concentration above 1 mg/kg. Therefore, the deeper samples were not analyzed by the laboratory.

Stratigraphic soil boring logs are presented in Appendix A. Table 3.1 presents a sample summary. Table 3.3 presents a summary of PCB analytical results for PCB Area No. 2. Figure 3.2 presents the sample locations and results for PCBs.

3.2 ANALYTICAL METHODS

The soil samples were submitted under chain-of-custody protocols to Test America Laboratories of North Canton, Ohio or TriMatrix Laboratories of Grand Rapids, Michigan. The soil samples were extracted and analyzed for individual Aroclors (Aroclors 1016, 1221, 1232, 1242, 1248, 1254, and 1260) and total PCBs utilizing U.S.EPA Method 3540C/3550C for extraction/preparation and Method 8082/8082A for chemical analysis consistent with SW-846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" 3rd Edition, and promulgated updates, November 1986.

Copies of analytical reports will be maintained and available for review by U.S. EPA as identified in Section 6.0.

3.3 DATA VALIDATION

All analytical data was assessed utilizing quality control criteria established by the Quality Assurance Project Plan (QAPP) for the on-going Part 201 investigation work at the Site. Data validation memoranda outlining the details of the data validation will be maintained and available for review by U.S. EPA as identified in Section 6.0.

4.0 CLEANUP PLAN/REMEDIATION APPROACH

Based on the pre-cleanup characterization results, soil materials within the boundaries of the delineation to less than 1 ppm will be removed via excavation for off-Site disposal.

Soils will be removed to approximately 3 feet bgs for PCB Area Nos. 1 and 2. Approximately 250 cubic yards of material is anticipated to be removed from PCB Area No. 1 and approximately 390 cubic yards of material is anticipated to be removed from PCB Area No. 2 for off-Site disposal. For PCB Area No. 2, soil will also be removed from the area originally anticipated to be delineated through soil borings SB182-12 and SB183-12, to the extent of the area previously excavated during redevelopment activities (see Section 3.1.2). The anticipated extent of the proposed excavations for PCB Area Nos. 1 and 2 is presented on Figures 3.1 and 3.2, respectively.

Based on the pre-cleanup characterization, all materials have a PCB concentration of less than 50 ppm. These materials will be disposed of at Waste Management's Autumn Hills Landfill in Zeeland, Michigan, in accordance with 40 CFR 761.61 (a)(5).

5.0 SOIL VERIFICATION

Pre-cleanup characterization was conducted in accordance with the requirements of 40 CFR 761 Subpart N. As identified in Sections 3.0 and 4.0, results were compared to the cleanup standard of 1.0 ppm for bulk PCB remediation waste located in high-occupancy areas per 40 CFR 761.61(a)(4)(i)(A) and excavation will be conducted in the delineated extent to this cleanup level. No further verification sampling is proposed under 40 CFR 761; however, one additional floor soil sample from PCB Area No. 1 and one additional floor soil sample from PCB Area No. 2 will be collected for analysis for PCBs to meet MDEQ requirements.

6.0 PLAN CERTIFICATION

Pursuant to 40 CFR 761.61 (a)(3)(i)(E), all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrument/chemical analysis procedures used to assess or characterize the PCB contamination related to the investigation and cleanup activities specified herein will be maintained in the following location and accessible for inspection by U.S. EPA:

- Conestoga-Rovers & Associates, Inc.
  Attn: Jennifer Quigley, P.E.
  200 West Allegan Street, Suite 300
  Plainwell, Michigan 49080-1397

Barbara VanDuren — 6/6/12

Property Owner's Representative Signature — *Date*

Barbara Van Duren

Property Owner's Representative Printed Name

1155 28th Street SW, Wyoming, MI 49509

Address of Property Owner

Jennifer Quigley FOR DAVE FAVERO — 6/1/12

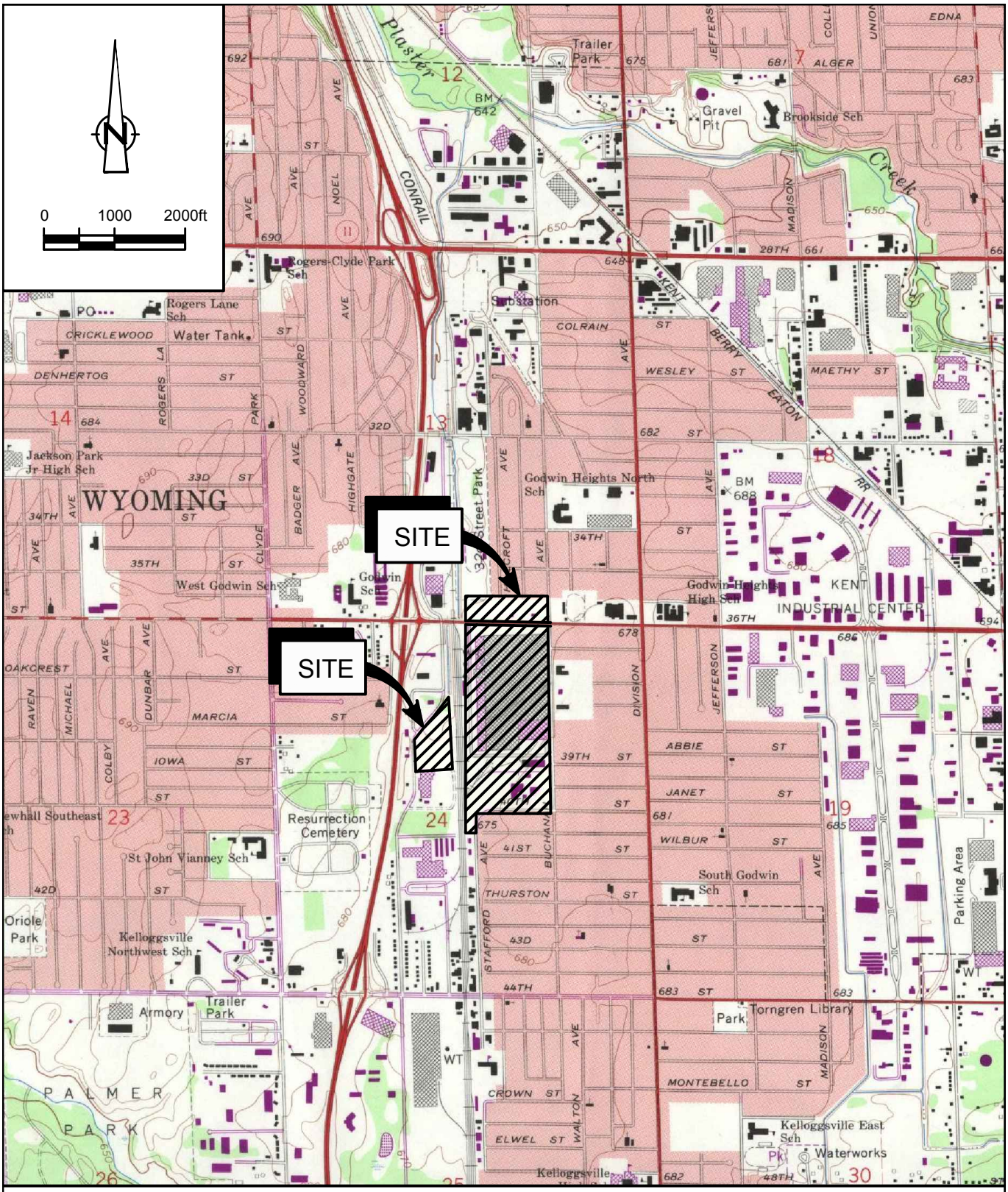
Cleanup Party's Representative Signature — *Date*

David Favero, Deputy Cleanup Manager

Cleanup Party's Representative Printed Name

2930 Ecorse Road, Ypsilanti, MI 48198

Address of Cleanup Party



SOURCE: USGS QUADRANGLE MAP
GRAND RAPIDS - EAST - MICHIGAN

figure 1.1

SITE LOCATION
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

017360-T05(028)GN-DE005 MAY 31/2012

RESIDENTIAL
COMMERCIAL
COMMERCIAL/INDUSTRIAL
COMMERCIAL/RESIDENTIAL
RESIDENTIAL
RESIDENTIAL
BUCHANAN STREET
36TH STREET
40TH STREET
STAFFORD
CLAY AVE.
CLAY AVE.
FORMER MAIN MANUFACTURING BUILDING
FORMER RACK MAKE-UP BUILDING
FORMER POWER HOUSE
FORMER USED OIL AST
FORMER PRESS STAGING BUILDING
FORMER TP
FORMER BALER HOUSE
PUMP HOUSE
500,000 GALLON WATER STORAGE TANK
PRIMARY SWITCH HOUSE
GUARD HOUSE
TRUCK SCALE PIT
STORM SEWER PUMP HOUSE
METAL STORAGE SHED
STORM WATER RETENTION BASIN
EMPLOYEE ENTRANCE BUILDING
0 100 250ft

LEGEND
- APPROXIMATE PROPERTY BOUNDARY
- AREA OF PCB IMPACTED SOIL EVALUATION
- FENCE
- RAILROAD
- COLE DRAIN

figure 1.2

SITE PLAN
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

017360-T05(028)GN-DE006 MAY 31/2012

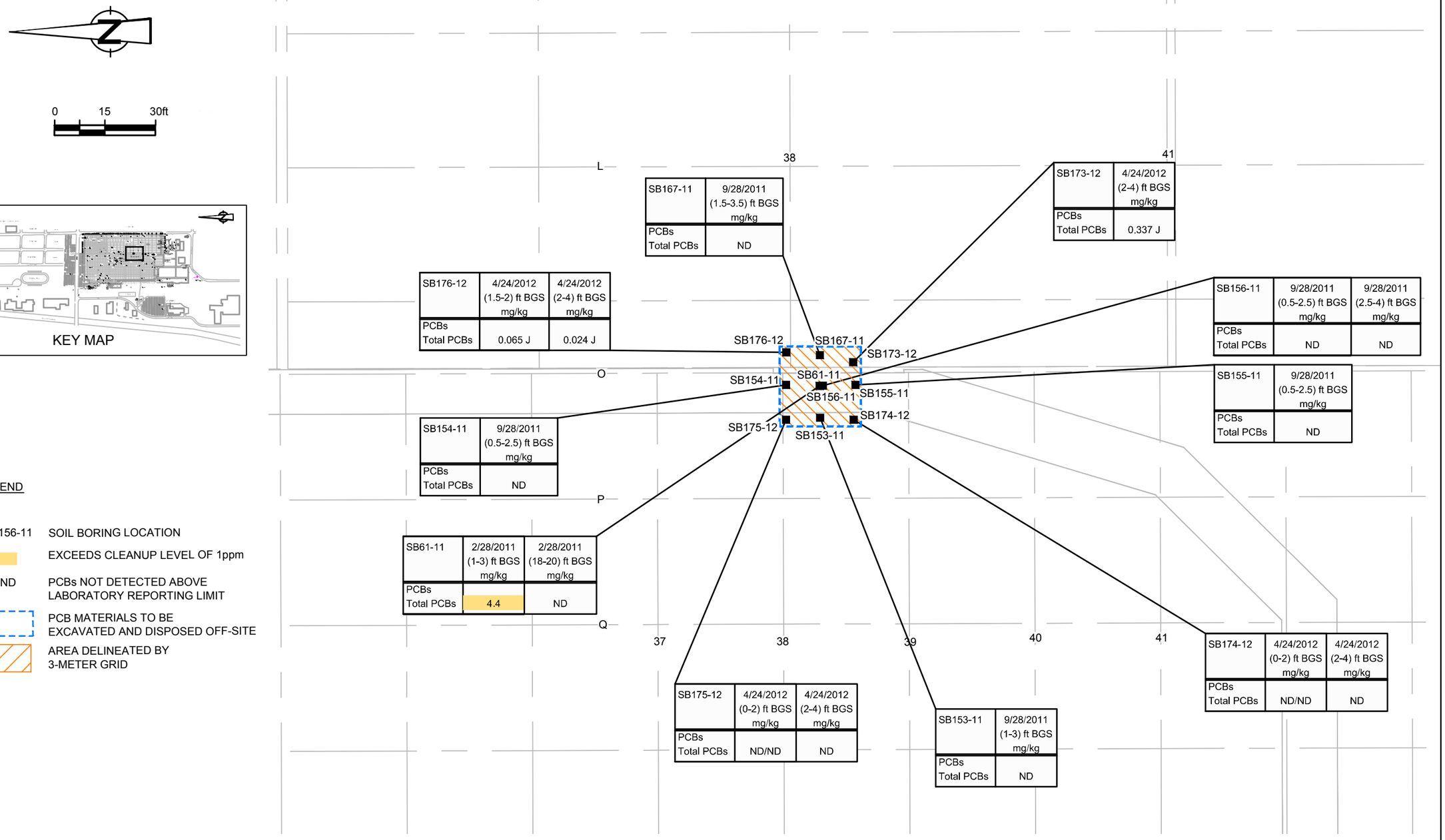
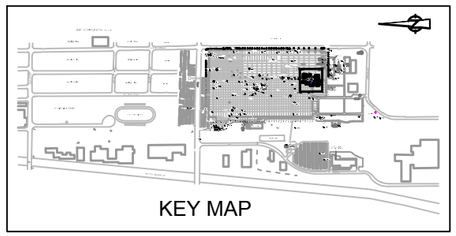


figure 3.1

DRAFT

PCB AREA NO. 1 - DELINEATION SAMPLE LOCATIONS
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

0 15 30ft



SB187-12	4/23/2012 (0-2) ft BGS mg/kg	4/23/2012 (2-4) ft BGS mg/kg
PCBs Total PCBs	0.15 J	ND

SB161-11	9/27/2011 (0.5-2.5) ft BGS mg/kg
PCBs Total PCBs	ND

SB181-12	4/23/2012 (0-2) ft BGS mg/kg	4/23/2012 (2-4) ft BGS mg/kg
PCBs Total PCBs	ND	0.0054 J

SB157-11	9/27/2011 (0.7-2.7) ft BGS mg/kg
PCBs Total PCBs	ND

SB158-11	9/27/2011 (0.5-2.5) ft BGS mg/kg
PCBs Total PCBs	ND

SB160-11	9/27/2011 (0.5-2.5) ft BGS mg/kg	9/27/2011 (2.5-4) ft BGS mg/kg
PCBs Total PCBs	ND	ND

SB159-11	9/27/2011 (0.6-2.6) ft BGS mg/kg	9/27/2011 (2.6-4) ft BGS mg/kg	9/27/2011 (4-6) ft BGS mg/kg
PCBs Total PCBs	1.1	ND	ND

SB124-11	2/21/2011 (1-3) ft BGS mg/kg	2/21/2011 (17-19) ft BGS mg/kg
PCBs Total PCBs	1.3	ND

SB186-12	4/23/2012 (0-2) ft BGS mg/kg	4/23/2012 (2-4) ft BGS mg/kg
PCBs Total PCBs	0.11 J	0.047 J/0.05 J

SB185-12	4/23/2012 (0-2) ft BGS mg/kg	4/23/2012 (2-4) ft BGS mg/kg
PCBs Total PCBs	ND	ND

SB184-12	4/23/2012 (0-2) ft BGS mg/kg	4/23/2012 (2-4) ft BGS mg/kg
PCBs Total PCBs	ND	ND

O P Q R

49 5/8 49 50 51 52 1/4

SB161-11 SB187-12 SB181-12 SB124-11 SB157-11 SB158-11 SB160-11 SB186-12 SB159-11 SB185-12 SB184-12

LEGEND

■ SB156-11 SOIL BORING LOCATION

EXCEEDS CLEANUP LEVEL OF 1ppm

ND PCBs NOT DETECTED ABOVE LABORATORY REPORTING LIMIT

PCB MATERIALS TO BE EXCAVATED AND DISPOSED OFF-SITE

AREA DELINEATED BY 3-METER GRID

AREA OF PARTIAL SOIL COLLAPSE BENEATH SLAB DUE TO ADJACENT SLAB REMOVAL/ EXCAVATION

DRAFT

figure 3.2

PCB AREA NO. 2 - DELINEATION SAMPLE LOCATIONS
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

SAMPLE SUMMARY
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	*Sample Identification*	*Sample Location*	*Matrix*	*Sample Depth (ft bgs)*			*QC Sample*	*Analysis*
2/21/2011	SO-17360-022111-DR-105	SB124-11	Soil	1	to	3		PCBs
2/21/2011	SO-17360-022111-DR-106	SB124-11	Soil	17	to	19		PCBs
2/28/2011	SO-17360-022811-DR-134	SB61-11	Soil	1	to	3		PCBs
2/28/2011	SO-17360-022811-DR-135	SB61-11	Soil	18	to	20		PCBs
9/27/2011	S-17360-092711-EM-009	SB159-11	Soil	0.6	to	2.6		PCBs
9/27/2011	S-17360-092711-EM-010	SB159-11	Soil	2.6	to	4		PCBs
9/27/2011	S-17360-092711-EM-011	SB159-11	Soil	4	to	6		PCBs
9/27/2011	SO-17360-092711-EM-012	SB159-11	Soil	6	to	8		PCBs[1]
9/27/2011	SO-17360-092711-EM-013	SB159-11	Soil	8	to	10		PCBs[1]
9/27/2011	S-17360-092711-EM-014	SB158-11	Soil	0.5	to	2.5		PCBs
9/27/2011	SO-17360-092711-EM-015	SB158-11	Soil	2.5	to	4		PCBs[1]
9/27/2011	SO-17360-092711-EM-016	SB158-11	Soil	4	to	6		PCBs[1]
9/27/2011	SO-17360-092711-EM-017	SB158-11	Soil	6	to	8		PCBs[1]
9/27/2011	SO-17360-092711-EM-018	SB158-11	Soil	8	to	10		PCBs[1]
9/27/2011	S-17360-092711-EM-019	SB161-11	Soil	0.5	to	2.5		PCBs
9/27/2011	SO-17360-092711-EM-020	SB161-11	Soil	2.5	to	4		PCBs[1]
9/27/2011	SO-17360-092711-EM-021	SB161-11	Soil	4	to	6		PCBs[1]
9/27/2011	SO-17360-092711-EM-022	SB161-11	Soil	6	to	8		PCBs[1]
9/27/2011	SO-17360-092711-EM-023	SB161-11	Soil	8	to	10		PCBs[1]
9/27/2011	S-17360-092711-EM-024	SB160-11	Soil	0.5	to	2.5		PCBs
9/27/2011	S-17360-092711-EM-025	SB160-11	Soil	2.5	to	4		PCBs
9/27/2011	SO-17360-092711-EM-026	SB160-11	Soil	4	to	6		PCBs[1]
9/27/2011	SO-17360-092711-EM-027	SB160-11	Soil	6	to	8		PCBs[1]
9/27/2011	SO-17360-092711-EM-028	SB160-11	Soil	8	to	10		PCBs[1]
9/27/2011	S-17360-092711-EM-029	SB157-11	Soil	0.7	to	2.7		PCBs
9/27/2011	SO-17360-092711-EM-030	SB157-11	Soil	2.7	to	5		PCBs[1]
9/27/2011	SO-17360-092711-EM-031	SB157-11	Soil	5	to	7		PCBs[1]
9/28/2011	S-17360-092811-EM-038	SB154-11	Soil	0.5	to	2.5		PCBs
9/28/2011	SO-17360-092811-EM-039	SB154-11	Soil	2.5	to	4		PCBs[1]
9/28/2011	SO-17360-092811-EM-040	SB154-11	Soil	4	to	6		PCBs[1]
9/28/2011	SO-17360-092811-EM-041	SB154-11	Soil	6	to	8		PCBs[1]
9/28/2011	SO-17360-092811-EM-042	SB154-11	Soil	8	to	10		PCBs[1]
9/28/2011	S-17360-092811-EM-043	SB156-11	Soil	0.5	to	2.5		PCBs
9/28/2011	S-17360-092811-EM-044	SB156-11	Soil	2.5	to	4		PCBs
9/28/2011	SO-17360-092811-EM-045	SB156-11	Soil	4	to	6		PCBs[1]
9/28/2011	SO-17360-092811-EM-046	SB156-11	Soil	6	to	8		PCBs[1]
9/28/2011	SO-17360-092811-EM-047	SB156-11	Soil	8	to	10		PCBs[1]
9/28/2011	S-17360-092811-EM-048	SB155-11	Soil	0.5	to	2.5		PCBs
9/28/2011	SO-17360-092811-EM-049	SB155-11	Soil	2.5	to	4		PCBs[1]
9/28/2011	SO-17360-092811-EM-050	SB155-11	Soil	4	to	6		PCBs[1]
9/28/2011	SO-17360-092811-EM-051	SB155-11	Soil	6	to	8		PCBs[1]
9/28/2011	SO-17360-092811-EM-052	SB155-11	Soil	8	to	10		PCBs[1]
9/28/2011	S-17360-092811-EM-053	SB153-11	Soil	1	to	3		PCBs
9/28/2011	SO-17360-092811-EM-054	SB153-11	Soil	3	to	5		PCBs[1]
9/28/2011	SO-17360-092811-EM-055	SB153-11	Soil	5	to	7		PCBs[1]
9/28/2011	SO-17360-092811-EM-056	SB153-11	Soil	7	to	9		PCBs[1]
9/28/2011	SO-17360-092811-EM-057	SB153-11	Soil	9	to	10		PCBs[1]
9/28/2011	S-17360-092811-EM-058	SB167-11	Soil	1.5	to	3.5		PCBs
9/28/2011	SO-17360-092811-EM-059	SB167-11	Soil	3.5	to	5.5		PCBs[1]
9/28/2011	SO-17360-092811-EM-060	SB167-11	Soil	5.5	to	7.5		PCBs[1]
9/28/2011	SO-17360-092811-EM-061	SB167-11	Soil	7.5	to	9.5		PCBs[1]
4/23/2012	SO-17360-042312-EB-001	SB186-12	Soil	0	to	2		PCBs
4/23/2012	SO-17360-042312-EB-002	SB186-12	Soil	2	to	4		PCBs
4/23/2012	SO-17360-042312-EB-003	SB186-12	Soil	2	to	4	Duplicate (-002)	PCBs
4/23/2012	SO-17360-042312-EB-004	SB186-12	Soil	4	to	6		PCBs[1]
4/23/2012	SO-17360-042312-EB-005	SB186-12	Soil	4	to	6	Duplicate (-004)	PCBs[1]
4/23/2012	SO-17360-042312-EB-006	SB186-12	Soil	6	to	8	MS/MSD	PCBs[1]
4/23/2012	SO-17360-042312-EB-007	SB186-12	Soil	8	to	10		PCBs[1]
4/23/2012	SO-17360-042312-EB-008	SB185-12	Soil	0	to	2		PCBs
4/23/2012	SO-17360-042312-EB-009	SB185-12	Soil	2	to	4		PCBs
4/23/2012	SO-17360-042312-EB-010	SB185-12	Soil	4	to	6		PCBs[1]

SAMPLE SUMMARY
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	*Sample Identification*	*Sample Location*	*Matrix*	*Sample Depth (ft bgs)*			*QC Sample*	*Analysis*
4/23/2012	SO-17360-042312-EB-011	SB185-12	Soil	6	to	8		PCBs[1]
4/23/2012	SO-17360-042312-EB-012	SB185-12	Soil	8	to	10		PCBs[1]
4/23/2012	SO-17360-042312-EB-013	SB184-12	Soil	0	to	2		PCBs
4/23/2012	SO-17360-042312-EB-014	SB184-12	Soil	2	to	4		PCBs
4/23/2012	SO-17360-042312-EB-015	SB184-12	Soil	4	to	6		PCBs[1]
4/23/2012	SO-17360-042312-EB-016	SB184-12	Soil	6	to	8		PCBs[1]
4/23/2012	SO-17360-042312-EB-017	SB184-12	Soil	6	to	8	Duplicate (-016)	PCBs[1]
4/23/2012	SO-17360-042312-EB-018	SB184-12	Soil	8	to	10		PCBs[1]
4/23/2012	SO-17360-042312-EB-019	SB187-12	Soil	0	to	2		PCBs
4/23/2012	SO-17360-042312-EB-020	SB187-12	Soil	2	to	4		PCBs
4/23/2012	SO-17360-042312-EB-021	SB187-12	Soil	4	to	6		PCBs[1]
4/23/2012	SO-17360-042312-EB-022	SB187-12	Soil	6	to	8		PCBs[1]
4/23/2012	SO-17360-042312-EB-023	SB187-12	Soil	8	to	10		PCBs[1]
4/23/2012	SO-17360-042312-EB-024	SB181-12	Soil	0	to	2	MS/MSD	PCBs
4/23/2012	SO-17360-042312-EB-025	SB181-12	Soil	2	to	4		PCBs
4/23/2012	SO-17360-042312-EB-026	SB181-12	Soil	4	to	6		PCBs[1]
4/23/2012	SO-17360-042312-EB-027	SB181-12	Soil	6	to	8		PCBs[1]
4/23/2012	SO-17360-042312-EB-028	SB181-12	Soil	8	to	10		PCBs[1]
4/24/2012	S-17360-042412-EM-052	SB176-12	Soil	1.5	to	2	MS/MSD	PCBs
4/24/2012	S-17360-042412-EM-053	SB176-12	Soil	2	to	4		PCBs
4/24/2012	S-17360-042412-EM-054	SB176-12	Soil	4	to	6		PCBs[1]
4/24/2012	S-17360-042412-EM-055	SB176-12	Soil	6	to	8		PCBs[1]
4/24/2012	S-17360-042412-EM-056	SB176-12	Soil	8	to	10	MS/MSD	PCBs[1]
4/24/2012	S-17360-042412-EM-057	SB175-12	Soil	0	to	2		PCBs
4/24/2012	S-17360-042412-EM-058	SB175-12	Soil	0	to	2	Duplicate (-057)	PCBs
4/24/2012	S-17360-042412-EM-059	SB175-12	Soil	2	to	4		PCBs
4/24/2012	S-17360-042412-EM-060	SB175-12	Soil	4	to	6		PCBs[1]
4/24/2012	S-17360-042412-EM-061	SB175-12	Soil	6	to	8		PCBs[1]
4/24/2012	S-17360-042412-EM-062	SB175-12	Soil	8	to	10		PCBs[1]
4/24/2012	S-17360-042412-EM-063	SB175-12	Soil	8	to	10	Duplicate (-062)	PCBs[1]
4/24/2012	S-17360-042412-EM-064	SB174-12	Soil	0	to	2		PCBs
4/24/2012	S-17360-042412-EM-065	SB174-12	Soil	0	to	2		PCBs
4/24/2012	S-17360-042412-EM-066	SB174-12	Soil	2	to	4		PCBs
4/24/2012	S-17360-042412-EM-067	SB174-12	Soil	4	to	6		PCBs[1]
4/24/2012	S-17360-042412-EM-068	SB174-12	Soil	4	to	6	Duplicate (-067)	PCBs[1]
4/24/2012	S-17360-042412-EM-069	SB174-12	Soil	6	to	8		PCBs[1]
4/24/2012	S-17360-042412-EM-070	SB174-12	Soil	8	to	10		PCBs[1]
4/24/2012	S-17360-042412-EM-071	SB173-12	Soil	2	to	4		PCBs

Notes:

PCBs - Polychlorinated Biphenyls

QC - Quality Control

MS/MSD - Matrix Spike /Matrix Spike Duplicate

[1] - The sample was submitted to the analytical laboratory on hold, but not analyzed.

TABLE 3.2

SUMMARY OF ANAYLTICAL RESULTS FOR PCB AREA NO. 1
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location			*SB61-11*	*SB61-11*	*SB153-11*	*SB154-11*	*SB155-11*	*SB156-11*	*SB156-11*
Sample Identification		Toxic	*SO-17360-022811-DR-134*	*SO-17360-022811-DR-135*	*S-17360-092811-EM-053*	*S-17360-092811-EM-038*	*S-17360-092811-EM-048*	*S-17360-092811-EM-043*	*S-17360-092811-EM-044*
Sample Date		Substances	*2/28/2011*	*2/28/2011*	*9/28/2011*	*9/28/2011*	*9/28/2011*	*9/28/2011*	*9/28/2011*
Sample Depth		Control	*(1-3) ft BGS*	*(18-20) ft BGS*	*(1-3) ft BGS*	*(0.5-2.5) ft BGS*	*(0.5-2.5) ft BGS*	*(0.5-2.5) ft BGS*	*(2.5-4) ft BGS*
Sample Type		Act [1]							
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	ug/kg	--	2900 U	270 U	34 U	35 U	34 U	35 U	35 UJ
Aroclor-1221 (PCB-1221)	ug/kg	--	2900 U	270 U	34 U	35 U	34 U	35 U	35 UJ
Aroclor-1232 (PCB-1232)	ug/kg	--	2900 U	270 U	34 U	35 U	34 U	35 U	35 UJ
Aroclor-1242 (PCB-1242)	ug/kg	--	2900 U	270 U	34 U	35 U	34 U	35 U	35 UJ
Aroclor-1248 (PCB-1248)	ug/kg	--	2900 U	270 U	34 U	35 U	34 U	35 U	35 UJ
Aroclor-1254 (PCB-1254)	ug/kg	--	4400	270 U	34 U	35 U	34 U	35 U	35 UJ
Aroclor-1260 (PCB-1260)	ug/kg	--	2900 U	270 U	34 U	35 U	34 U	35 U	35 UJ
Total PCBs	ug/kg	1000	**4400**	ND	ND	ND	ND	ND	ND

Notes:

[1] Cleanup Level of 1 ppm for Bulk PCB Remediation Waste for High Occupancy Areas without further conditions per 40 CFR 761.61(a)(4)(i)(A)

Exceeds 1 ppm Cleanup Level

U - Not present at or above the associated value.

J - Estimated concentration.

-- Criteria not available

TABLE 3.2

SUMMARY OF ANAYLTICAL RESULTS FOR PCB AREA NO. 1
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location			*SB167-11*	*SB173-12*	*SB174-12*	*SB174-12*	*SB174-12*	*SB175-12*	*SB175-12*
Sample Identification		Toxic	*S-17360-092811-EM-058*	*S-17360-042412-EM-071*	*S-17360-042412-EM-064*	*S-17360-042412-EM-065*	*S-17360-042412-EM-066*	*S-17360-042412-EM-057*	*S-17360-042412-EM-058*
Sample Date		Substances	*9/28/2011*	*4/24/2012*	*4/24/2012*	*4/24/2012*	*4/24/2012*	*4/24/2012*	*4/24/2012*
Sample Depth		Control	*(1.5-3.5) ft BGS*	*(2-4) ft BGS*	*(0-2) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(0-2) ft BGS*	*(0-2) ft BGS*
Sample Type		Act [1]				*Duplicate*			*Duplicate*
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	ug/kg	--	35 U	360 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1221 (PCB-1221)	ug/kg	--	35 U	360 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1232 (PCB-1232)	ug/kg	--	35 U	360 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1242 (PCB-1242)	ug/kg	--	35 U	27 J	350 U	350 U	350 U	350 U	350 U
Aroclor-1248 (PCB-1248)	ug/kg	--	35 U	360 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1254 (PCB-1254)	ug/kg	--	35 U	180 J	350 U	350 U	350 U	350 U	350 U
Aroclor-1260 (PCB-1260)	ug/kg	--	35 U	130 J	350 U	350 U	350 U	350 U	350 U
Total PCBs	ug/kg	1000	ND	337 J	ND	ND	ND	ND	ND

Notes:

[1] Cleanup Level of 1 ppm for Bulk PCB Remediation Waste for High Occupancy Areas without further conditions per 40 CFR 761.61(a)(4)(i)(A)

: Exceeds 1 ppm Cleanup Level

U - Not present at or above the associated value.

J - Estimated concentration.

-- Criteria not available

TABLE 3.2

SUMMARY OF ANAYLTICAL RESULTS FOR PCB AREA NO. 1
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location			*SB175-12*	*SB176-12*	*SB176-12*
Sample Identification		Toxic	*S-17360-042412-EM-059*	*S-17360-042412-EM-052*	*S-17360-042412-EM-053*
Sample Date		Substances	*4/24/2012*	*4/24/2012*	*4/24/2012*
Sample Depth		Control	*(2-4) ft BGS*	*(1.5-2) ft BGS*	*(2-4) ft BGS*
Sample Type		Act [1]			
	Units				
PCBs					
Aroclor-1016 (PCB-1016)	ug/kg	--	340 U	350 U	350 U
Aroclor-1221 (PCB-1221)	ug/kg	--	340 U	350 U	350 U
Aroclor-1232 (PCB-1232)	ug/kg	--	340 U	350 U	350 U
Aroclor-1242 (PCB-1242)	ug/kg	--	340 U	14 J	350 U
Aroclor-1248 (PCB-1248)	ug/kg	--	340 U	350 U	350 U
Aroclor-1254 (PCB-1254)	ug/kg	--	340 U	350 U	350 U
Aroclor-1260 (PCB-1260)	ug/kg	--	340 U	51 J	24 J
Total PCBs	ug/kg	1000	ND	65 J	24 J

Notes:

[1] Cleanup Level of 1 ppm for Bulk PCB Remediation Waste for High Occupancy Areas without further conditions per 40 CFR 761.61(a)(4)(i)(A)

: Exceeds 1 ppm Cleanup Level

U - Not present at or above the associated value.

J - Estimated concentration.

-- Criteria not available

TABLE 3.3

SUMMARY OF ANALYTICAL RESULTS FOR PCB AREA NO. 2
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location			*SB124-11*	*SB124-11*	*SB157-11*	*SB158-11*	*SB159-11*	*SB159-11*	*SB159-11*
Sample Identification		Toxic	*SO-17360-022111-DR-105*	*SO-17360-022111-DR-106*	*S-17360-092711-EM-029*	*S-17360-092711-EM-014*	*S-17360-092711-EM-009*	*S-17360-092711-EM-010*	*S-17360-092711-EM-011*
Sample Date		Substances	*2/21/2011*	*2/21/2011*	*9/27/2011*	*9/27/2011*	*9/27/2011*	*9/27/2011*	*9/27/2011*
Sample Depth		Control	*(1-3) ft BGS*	*(17-19) ft BGS*	*(0.7-2.7) ft BGS*	*(0.5-2.5) ft BGS*	*(0.6-2.6) ft BGS*	*(2.6-4) ft BGS*	*(4-6) ft BGS*
Sample Type		Act [1]							
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	ug/kg	--	340 U	270 U	34 U	33 U	170 U	34 U	34 U
Aroclor-1221 (PCB-1221)	ug/kg	--	340 U	270 U	34 U	33 U	170 U	34 U	34 U
Aroclor-1232 (PCB-1232)	ug/kg	--	340 U	270 U	34 U	33 U	170 U	34 U	34 U
Aroclor-1242 (PCB-1242)	ug/kg	--	340 U	270 U	34 U	33 U	170 U	34 U	34 U
Aroclor-1248 (PCB-1248)	ug/kg	--	340 U	270 U	34 U	33 U	170 U	34 U	34 U
Aroclor-1254 (PCB-1254)	ug/kg	--	1300	270 U	34 U	33 U	1100	34 U	34 U
Aroclor-1260 (PCB-1260)	ug/kg	--	340 U	270 U	34 U	33 U	170 U	34 U	34 U
Total PCBs	ug/kg	1000	**1300**	ND	ND	ND	**1100**	ND	ND

Notes:

Notes:

[1] Cleanup Level of 1 ppm for Bulk PCB Remediation Waste for High Occupancy Areas without further conditions per 40 CFR 761.61(a)(4)(i)(A)

Exceeds 1 ppm Cleanup Level

U - Not present at or above the associated value.

J - Estimated concentration.

-- Criteria not available

TABLE 3.3

SUMMARY OF ANALYTICAL RESULTS FOR PCB AREA NO. 2
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location			*SB160-11*	*SB160-11*	*SB161-11*	*SB181-12*	*SB181-12*	*SB184-12*	*SB184-12*
Sample Identification		Toxic	*S-17360-092711-EM-024*	*S-17360-092711-EM-025*	*S-17360-092711-EM-019*	*SO-17360-042312-EB-024*	*SO-17360-042312-EB-025*	*SO-17360-042312-EB-013*	*SO-17360-042312-EB-014*
Sample Date		Substances	*9/27/2011*	*9/27/2011*	*9/27/2011*	*4/23/2012*	*4/23/2012*	*4/23/2012*	*4/23/2012*
Sample Depth		Control	*(0.5-2.5) ft BGS*	*(2.5-4) ft BGS*	*(0.5-2.5) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Type		Act [1]							
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	ug/kg	--	34 U	34 U	34 U	350 U	340 U	350 U	340 U
Aroclor-1221 (PCB-1221)	ug/kg	--	34 U	34 U	34 U	350 U	340 U	350 U	340 U
Aroclor-1232 (PCB-1232)	ug/kg	--	34 U	34 U	34 U	350 U	340 U	350 U	340 U
Aroclor-1242 (PCB-1242)	ug/kg	--	34 U	34 U	34 U	350 U	340 U	350 U	340 U
Aroclor-1248 (PCB-1248)	ug/kg	--	34 U	34 U	34 U	350 U	340 U	350 U	340 U
Aroclor-1254 (PCB-1254)	ug/kg	--	34 U	34 U	34 U	350 U	340 U	350 U	340 U
Aroclor-1260 (PCB-1260)	ug/kg	--	34 U	34 U	34 U	350 U	5.4 J	350 U	340 U
Total PCBs	ug/kg	1000	ND	ND	ND	ND	5.4 J	ND	ND

Notes:

Notes:

[1] Cleanup Level of 1 ppm for Bulk PCB Remediation Wa
for High Occupancy Areas without further conditions pe
40 CFR 761.61(a)(4)(i)(A)

Exceeds 1 ppm Cleanup Level

U - Not present at or above the associated value.

J - Estimated concentration.

-- Criteria not available

TABLE 3.3

SUMMARY OF ANALYTICAL RESULTS FOR PCB AREA NO. 2
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location			*SB185-12*	*SB185-12*	*SB186-12*	*SB186-12*	*SB186-12*	*SB187-12*	*SB187-12*
Sample Identification		Toxic	*SO-17360-042312-EB-008*	*SO-17360-042312-EB-009*	*SO-17360-042312-EB-001*	*SO-17360-042312-EB-002*	*SO-17360-042312-EB-003*	*SO-17360-042312-EB-019*	*SO-17360-042312-EB-020*
Sample Date		Substances	*4/23/2012*	*4/23/2012*	*4/23/2012*	*4/23/2012*	*4/23/2012*	*4/23/2012*	*4/23/2012*
Sample Depth		Control	*(0-2) ft BGS*	*(2-4) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(2-4) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Type		Act [1]					*Duplicate*		
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	ug/kg	--	350 U	350 U	1800 U	360 U	360 U	350 U	340 U
Aroclor-1221 (PCB-1221)	ug/kg	--	350 U	350 U	1800 U	360 U	360 U	350 U	340 U
Aroclor-1232 (PCB-1232)	ug/kg	--	350 U	350 U	1800 U	360 U	360 U	350 U	340 U
Aroclor-1242 (PCB-1242)	ug/kg	--	350 U	350 U	1800 U	360 U	360 U	350 U	340 U
Aroclor-1248 (PCB-1248)	ug/kg	--	350 U	350 U	1800 U	360 U	360 U	350 U	340 U
Aroclor-1254 (PCB-1254)	ug/kg	--	350 U	350 U	110 J	50 J	47 J	150 J	340 U
Aroclor-1260 (PCB-1260)	ug/kg	--	350 U	350 U	1800 U	360 U	360 U	350 U	340 U
Total PCBs	ug/kg	1000	ND	ND	110 J	50 J	47 J	150 J	ND

Notes:

Notes:

[1] Cleanup Level of 1 ppm for Bulk PCB Remediation Wa
for High Occupancy Areas without further conditions pe
40 CFR 761.61(a)(4)(i)(A)

Exceeds 1 ppm Cleanup Level

U - Not present at or above the associated value.

J - Estimated concentration.

-- Criteria not available

APPENDIX A

STRATIGRAPHIC SOIL BORING LOGS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB124-11
DATE COMPLETED: February 21, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 510664.87
EASTING: 12773559.48

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.07						
0	CONCRETE	680.27						0.1
2	SP-SAND (FILL), trace silt and fine gravel, compact, fine to coarse grained, poorly graded, brown, moist - fine grained, light brown at 3.0ft BGS			1-3' -105 1MC		80		0.2
4			BACKFILLED WITH BENTONITE CHIPS					
6								0.2
8				2MC		85		0.2
10	SP-SAND (native), trace fine gravel, compact, fine to coarse grained, poorly graded, medium brown, moist - light brown at 9.5ft BGS	672.07						0.3
12	- with fine to coarse gravel at 10.0ft BGS	669.07		3MC		70		
14	SP/GP-SAND AND GRAVEL, compact, fine to coarse sand, fine gravel, poorly graded, medium brown, moist	666.07						0.2
16	SP-SAND, with fine to coarse gravel, compact, fine to coarse grained, poorly graded, light brown, moist - trace fine gravel at 16.0ft BGS							0.2
18				4MC 17-19' -106		70		0.2
20	- fine grained, no gravel, wet at 19.5ft BGS - with fine to coarse gravel, fine to coarse grained at 20.0ft BGS							
22	- trace fine gravel, fine to medium grained, trace coarse grained at 21.0ft BGS							
24								
26	END OF BOREHOLE @ 25.0ft BGS	656.07						
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/2/11

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB61-11
DATE COMPLETED: February 28, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 511113.56
EASTING: 12773581.31
GROUND SURFACE 681.06

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
	WOOD BLOCK FLOOR	680.86
	CONCRETE	680.36
2	SP-SAND (FILL), trace silt, compact, fine grained, poorly graded, brown, moist - trace fine gravel, dark brown at 1.9ft BGS	
4	- orange brown at 3.0ft BGS	
6	- light brown at 6.0ft BGS	
8	- fine to medium grained, trace coarse grained, brown at 8.1ft BGS	
10		
12	SP-SAND (native), trace fine gravel, compact, fine to medium grained, trace coarse grained, poorly graded, tan/beige, moist	669.56
14	- with fine gravel at 13.5ft BGS	
16	- fine grained, trace medium to coarse grained at 16.1ft BGS	
18	- fine to medium grained, trace coarse grained, trace fine to coarse gravel at 17.3ft BGS - with fine gravel, fine to coarse grained at 18.4ft BGS	
20	- trace fine gravel at 18.9ft BGS - wet at 20.0ft BGS	
22	SM-SAND, some silt, compact, fine grained, poorly graded, brown, wet	658.76
24	SP-SAND, trace silt, with fine gravel, compact, fine to coarse grained, poorly graded, brown, wet	657.16 656.06
26	END OF BOREHOLE @ 25.0ft BGS	
28	NOTE: ABANDONED FOLLOWING SAMPLE COLLECTION AND BACKFILLED WITH BENTONITE CHIPS	
30		
32		
34		

TEMP MONITORING WELL

WELL DETAILS
Screened interval:
661.06 to 656.06ft
20.00 to 25.00ft BGS
Length: 5ft

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
1-3' -134				0.2
1MC		85		0.2
				0.2
2MC		75		0.2
				0.2
3MC		70		0.3
				0.5
4MC		90		0.5
18-20' -135				0.4
5MC		80		0.5

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (1-3' -134, 18-20' -135)

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/2/11

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB153-11
DATE COMPLETED: September 28, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511113.46
EASTING: 12773571.84
GROUND SURFACE 681.08

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0	CONCRETE	680.28						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, brown, moist - light tan at 2.9ft BGS - dark brown at 3.5ft BGS - orange brown at 4.4ft BGS		BACKFILLED WITH BENTONITE CHIPS	1-3' -053 1GP		60		0.1
4				3-5' -054				2.0
6				5-7' -055				0.0
8				2GP 7-9' -056		65		0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.08		9-10' -057				
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB154-11
DATE COMPLETED: September 28, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511123.58
EASTING: 12773581.62
GROUND SURFACE 681.06

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.56						
2	SP-SAND, trace silt and fine gravel, compact, fine grained, poorly graded, orange brown, moist			0.5-2.5' -038				0.0
				1GP		50		
4	- brown from 3.5 to 3.9ft BGS			2.5-4' -039				0.0
			BACKFILLED WITH BENTONITE CHIPS	4-6' -040				
6								0.0
				6-8' -041 2GP		60		
8								
	- with medium gravel at 9.1ft BGS			8-10' -042				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.06						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB155-11
DATE COMPLETED: September 28, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511102.95
EASTING: 12773581.65

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.03						
0	CONCRETE	680.53						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, light brown, moist			0.5-2.5' -048				0.0
				1GP		50		
4	- orange brown from 3.9 to 4.0ft BGS - orange brown at 4.1ft BGS			2.5-4' -049				0.1
			BACKFILLED WITH BENTONITE CHIPS	4-6' -050				
6								0.0
				6-8' -051				
8				2GP		70		
				8-10' -052				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.03						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB156-11
DATE COMPLETED: September 28, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511112.63
EASTING: 12773581.4

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.04						
0	CONCRETE	680.54						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, brown, moist			0.5-2.5' -043				1.2
				1GP		50		
4	- orange brown at 3.8ft BGS			2.5-4' -044				0.0
			BACKFILLED WITH BENTONITE CHIPS	4-6' -045				
6								0.0
				6-8' -046				
8				2GP		70		
				8-10' -047				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.04						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB157-11
DATE COMPLETED: September 27, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510674.12
EASTING: 12773559.28

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.07						
0	CONCRETE	680.37						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, orange brown, moist			0.7-2.7' -029 1GP		50		0.0
4	- few medium gravel from 4.0 to 4.5ft BGS			2.7-5' -030				0.0
6			BACKFILLED WITH BENTONITE CHIPS	2GP 5-7' -031		60		0.0
7	- REFUSAL at 7.0ft BGS	674.07						
8	END OF BOREHOLE @ 7.0ft BGS							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB158-11
DATE COMPLETED: September 27, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510654.99
EASTING: 12773560.11

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.04						
0	CONCRETE	680.54						
0	SP-SAND, trace silt, compact, fine grained, poorly graded, orange brown, moist			0.5-2.5' -014				0.0
2				1GP 2.5-4' -015		60		0.0
4	- black, potential fly-ash, lightweight from 3.5 to 3.7ft BGS		BACKFILLED WITH BENTONITE CHIPS	4-6' -016				0.0
6				6-8' -017 2GP		70		0.0
8				8-10' -018				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.04						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB159-11
DATE COMPLETED: September 27, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510664.63
EASTING: 12773549.59

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.05						
0	CONCRETE	680.45						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, light brown, moist - rock debris from 2.1 to 2.3ft BGS			0.6-2.6' -009 1GP 2.6-4' -010		70		0.0 0.0
4	- trace fine gravel from 4.1 to 4.4ft BGS		BACKFILLED WITH BENTONITE CHIPS	4-6' -011				0.0
6				6-8' -012 2GP		60		0.0
8				8-10' -013				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.05						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB160-11
DATE COMPLETED: September 27, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510664.8
EASTING: 12773559.48

GROUND SURFACE 681.04

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.54						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, orange brown, moist			0.5-2.5' -024				0.0
				1GP		70		
4	- black, potential fly-ash, lightweight from 3.5 to 3.6ft BGS			2.5-4' -025				0.0
			BACKFILLED WITH BENTONITE CHIPS	4-6' -026				
6								0.0
				6-8' -027 2GP		65		
8								0.0
				8-10' -028				
10	END OF BOREHOLE @ 10.0ft BGS	671.04						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB161-11
DATE COMPLETED: September 27, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510664.98
EASTING: 12773570.64
GROUND SURFACE ELEV. ft: 681.09

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.59						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, orange brown, moist			0.5-2.5' -019				0.0
				1GP		75		
4	- black, potential fly-ash, lightweight from 3.5 to 3.7ft BGS			2.5-4' -020				0.0
			BACKFILLED WITH BENTONITE CHIPS	4-6' -021				
6								0.0
				6-8' -022 2GP		80		
8								
				8-10' -023				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.09						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB173-12
DATE COMPLETED: April 24, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. MICKELSON

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	NORTHING: 511103.6 EASTING: 12773588.4 GROUND SURFACE	681.10						
0	CONCRETE							0.0
2	SP-SAND, trace fine gravel and silt, compact fine grained, poorly graded, dark brown, moist	679.60	BACKFILLED WITH BENTONITE CHIPS	1RS (2-4' -071)				
4	- REFUSAL at 4.0ft BGS END OF BOREHOLE @ 4.0ft BGS	677.10						0.0
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB174-12
DATE COMPLETED: April 24, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511103.5
EASTING: 12773571.3
GROUND SURFACE 680.80

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.30		0-2' -064/ 065				0.0
2	SP-SAND, trace fine gravel and silt, compact, fine grained, poorly graded, brown, moist - 1" thick piece of slag at 1.8ft BGS		BACKFILLED WITH BENTONITE CHIPS	1RS 2-4' -066				0.0
4	- no gravel, light brown at 4.7ft BGS			4-6' -067/ 068				0.0
6				6-8' -069 2RS				0.0
8	- with fine gravel at 9.3ft BGS			8-10' -070				
10	END OF BOREHOLE @ 10.0ft BGS	670.80						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB175-12
DATE COMPLETED: April 24, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511123.6
EASTING: 12773571.3

GROUND SURFACE 681.00

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.50	BACKFILLED WITH BENTONITE CHIPS	0-2' -057/ 058				0.0
2	SP-SAND, trace fine gravel and silt, compact, fine grained, poorly graded, brown, moist			1RS 2-4' -059				
4	- no gravel, light brown at 4.0ft BGS			4-6' -060				0.0
6				6-8' -061 2RS				0.0
8				8-10' -062/ 063				0.0
10	- trace gravel, brown at 9.8ft BGS	671.00						
	END OF BOREHOLE @ 10.0ft BGS							
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB176-12
DATE COMPLETED: April 24, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511123.5
EASTING: 12773591.3

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.40						
0	CONCRETE							
		679.90						0.0
2	SP-SAND, with fine gravel, trace silt, compact, fine grained, poorly graded, brown, moist - shards of glass at 2.8ft BGS		BACKFILLED WITH BENTONITE CHIPS	1.5-2' -052 1RS 2-4' -053				0.0
4				4-6' -054				0.0
6	- 0.03" small black slag seam at 7.2ft BGS			6-8' -055 2RS				0.0
8				8-10' -056				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.40						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB181-12
DATE COMPLETED: April 23, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510654.8
EASTING: 12773569.5

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.00						
0	CONCRETE	680.50		0-2' -024				0.1
2	SP-SAND, trace fine gravel, compact, fine grained, poorly graded, dark brown, moist - trace cinders and coarse gravel at 2.0ft BGS		BACKFILLED WITH BENTONITE CHIPS	1DP 2-4' -025		75		0.2
4	- 6" layer of slag, cinders, coal fragments, black at 3.6ft BGS - light brown at 4.0ft BGS			4-6' -026				0.3
6				6-8' -027 2DP		60		0.1
8				8-10' -028				0.2
10	- trace silt at 9.5ft BGS END OF BOREHOLE @ 10.0ft BGS	671.00						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB184-12
DATE COMPLETED: April 23, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510664.8
EASTING: 12773539.5
GROUND SURFACE ELEV. ft: 681.00

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	CONCRETE	680.50
2	SP-SAND, trace fine gravel, compact, fine grained, poorly graded, brown, moist - dark brown at 2.5ft BGS	
4	- trace coarse gravel, light brown at 3.5ft BGS - 2.5" seam of slag, cinders, coal fragments, black at 4.0ft BGS	
6		
8	- trace silt at 7.5ft BGS	
10	END OF BOREHOLE @ 10.0ft BGS	671.00
12		
14		
16		
18		
20		
22		
24		
26		
28		
30		
32		
34		

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -013				0.1
1DP 2-4' -014		60		0.1
4-6' -015				0.7
6-8' -016/ 017' 2DP		75		0.3
8-10' -018				0.2

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB185-12
DATE COMPLETED: April 23, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510674.8
EASTING: 12773539.4
GROUND SURFACE ELEV. ft: 681.10

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.60		0-2' -008				0.2
2	SP-SAND, trace fine and coarse gravel, compact, fine grained, poorly graded, brown, moist		BACKFILLED WITH BENTONITE CHIPS	1DP 2-4' -009		60		0.2
4	- trace coal fragments at 3.0ft BGS - light brown at 4.0ft BGS			4-6' -010				0.1
6	- brown at 5.0ft BGS - trace cinders, slag, coal fragments at 6.0ft BGS			6-8' -011 2DP		75		0.8
8	- trace silt, light brown at 6.5ft BGS			8-10' -012				0.3
10	END OF BOREHOLE @ 10.0ft BGS	671.10						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB186-12
DATE COMPLETED: April 23, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510674.8
EASTING: 12773549.4

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.00						
0	CONCRETE	680.50		0-2' -001				0.2
2	SP-SAND, fine and coarse gravel, compact, poorly graded, brown, moist		BACKFILLED WITH BENTONITE CHIPS	1DP 2-4' -002/ 003		25		0.3
4	- dark brown from 4.5 to 5.0ft BGS			4-6' -004/ 005				0.7
6				6-8' -006 2DP		25		0.4
8	- trace coal fragments, dark brown and black coal smears, possible fly ash at 7.5ft BGS - light brown at 8.0ft BGS			8-10' -007				0.1
10	END OF BOREHOLE @ 10.0ft BGS	671.00						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB187-12
DATE COMPLETED: April 23, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510674.8
EASTING: 12773569.5

GROUND SURFACE 681.00

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.50		0-2' -019				0.2
2	SP-SAND, trace fine gravel, compact, fine grained, poorly graded, brown, moist - trace cinders and slag at 2.5ft BGS - 1" seam of black slag, coal fragments and cinders at 3.0ft BGS - 3" seam of black slag, coal fragments and cinders at 3.5ft BGS - light brown at 3.7ft BGS - brown at 5.0ft BGS		BACKFILLED WITH BENTONITE CHIPS	1DP 2-4' -020		85		0.5
4				4-6' -021				0.3
6								
8				6-8' -022 2DP		50		0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.00		8-10' -023				0.1
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

Appendix B

Soil Containing PCB Cleanup Completion Summary Report

SOIL CONTAINING PCB CLEANUP COMPLETION SUMMARY REPORT

FORMER GRAND RAPIDS METAL PLANT
300 36th STREET SW
WYOMING, MICHIGAN

Prepared by:
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MAY 2013
REF. NO. 017360 (30)

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3.0	NOTIFICATION AND CERTIFICATION	4
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5.0	SITE CLEANUP	6
5.1	SOIL EXCAVATION ACTIVITIES	6
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6.0	VERIFICATION SAMPLING	8
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8.0	DEED RESTRICTIONS	10
9.0	RECORDKEEPING	11

LIST OF FIGURES
(Following Text)

FIGURE 1.1 SITE LOCATION

FIGURE 1.2 SITE PLAN

FIGURE 5.1 PCB AREA NO. 1 - EXCAVATION AREA

FIGURE 5.2 PCB AREA NO. 2 - EXCAVATION AREA

FIGURE 6.1 PCB AREA NO. 1 - VERIFICATION SAMPLING LOCATIONS

FIGURE 6.2 PCB AREA NO. 2 - VERIFICATION SAMPLING LOCATIONS

LIST OF TABLES
(Following Text)

TABLE 6.1 SAMPLE KEY

TABLE 6.2 VERIFICATION SAMPLING ANALYTICAL RESULTS

LIST OF APPENDICES
(Following Text)

APPENDIX A SELF-IMPLEMENTING PLAN

APPENDIX B WASTE DISPOSAL DOCUMENTATION

1.0 INTRODUCTION /APPLICABILITY

Conestoga-Rovers & Associates (CRA) has prepared this Soil Containing Polychlorinated Biphenyl (PCB) Cleanup Completion Summary Report (Report) on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust for the former Grand Rapids Metal Plant property located at 300 36th Street SW in Wyoming, Michigan (Site). The Site location is presented on Figure 1.1. A Site Plan is presented on Figure 1.2.

A Self-Implementing Plan (SIP) was prepared for PCB Area Nos. 1 and 2 and submitted to the United States Environmental Protection Agency (U.S. EPA) – Region 5, the Michigan Department of Environmental Quality (MDEQ), and the Kent County Health Department (KCHD) on June 7, 2012 in accordance with the procedures set forth in 40 Code of Federal Regulations (CFR) 761.61(a) of the Toxic Substances Control Act (TSCA) regarding the characterization and remediation of polychlorinated biphenyl (PCB) remediation waste. U.S. EPA conditionally approved the SIP in correspondence dated August 6, 2012. This Report has been prepared for submittal to the United States Environmental Protection Agency (U.S. EPA) – Region 5 in accordance with Condition No. 3 specified in U.S. EPA's August 6, 2012 approval of the SIP. A copy of the approved SIP is presented in Appendix A.

General Motors Corporation (GMC) initiated automotive manufacturing operations at the Site in 1936. Operations ceased at the Site on June 30, 2010. GMC filed for bankruptcy under Chapter 11 of the United States Bankruptcy Code on June 1, 2009. On July 10, 2009, pursuant to a bankruptcy court order, Motors Liquidation Company (MLC) retained ownership of the Site, and on October 20, 2010 entered into a settlement agreement with federal and state governmental authorities regarding MLC's environmental obligations at its remaining properties. According to the terms of the settlement agreement, RACER Trust became effective March 31, 2011 and interests in the Site were transferred to RACER Trust at that time to conduct, manage, and fund cleanup at the 89 sites formerly owned by MLC, including the Site. The Site was sold to Thunder Ventures, who then transferred the property to the City of Wyoming Brownfield Redevelopment Authority (WBRA) on June 28, 2011; however, RACER Trust retains certain responsibilities related to subsurface contamination associated with historical operations at the Site by GMC.

In 2012, the Site underwent redevelopment activities including decommissioning, demolition, and property re-grading by contractors on behalf of Thunder Ventures. The majority of the historical structures at the Site were decommissioned and demolished, and the Site is currently being marketed for future redevelopment.

Based on discussions with representatives of the WBRA, PCB Area Nos. 1 and 2 may be utilized in a manner in the future that would meet the definition of a High Occupancy Area under 40 CFR 761. The scope of the June 7, 2012 SIP was limited to specific subsurface areas of the Site only, identified as PCB Area Nos. 1 and 2. Additional areas where PCBs were detected in soil above the High Occupancy Area Cleanup Level of 1 part per million (ppm)/1 milligram per kilogram (mg/kg) for bulk remediation waste (without further conditions) are present at the Site outside the former Main Manufacturing Building footprint. These areas were not addressed in the SIP and will be further evaluated and addressed, as applicable, in accordance with 40 CFR 761.61 at a later date.

2.0 SITE CHARACTERIZATION

Site characterization was completed prior to removal activities as presented in the approved SIP. A copy of the SIP is presented in Appendix A.

3.0 NOTIFICATION AND CERTIFICATION

The SIP was filed with the U.S. EPA, MDEQ, and KCHD in accordance with 40 CFR 761(a)(3)(i) on June 7, 2012, which was greater than 30 days prior to the cleanup initiation date of August 22, 2012.

4.0 CLEANUP LEVELS

As discussed in Section 1.0 and in the SIP, the cleanup level utilized for this work was the High Occupancy Area Cleanup Level of 1 ppm/1 mg/kg for bulk remediation waste (without further conditions) in 40 CFR 761(a)(4)(i)(A).

5.0 SITE CLEANUP

The bulk PCB remediation waste removal activities were conducted on August 22, 2012. Additional details on the specific activities performed are presented below.

5.1 SOIL EXCAVATION ACTIVITIES

Prior to mobilization, the areas in which removal activities were required were identified by locating previously surveyed boring locations. The prior boring locations were utilized to mark the extents of the anticipated excavation boundaries.

Site preparation activities included constructing haul roads for waste transportation vehicles, construction of a temporary decontamination pad, and demarcation of excavation areas within their current demolition work areas.

Soils containing concentrations of PCBs greater than 1 ppm were excavated using a hydraulic excavator. Figures 5.1 and 5.2 show the final excavation extents of PCB Area No. 1 and PCB Area No. 2, respectively. Excavated soils were transferred directly from the excavation into haul trucks for transportation to the landfill. The trucks were equipped with covers to prevent the loss of any soils during transportation.

A total of approximately 45 tons or 30 cubic yards (cy) (based on a conversion of 1.5 tons per cy) of soil containing PCBs were removed from PCB Area No. 1. A total of approximately 121.5 tons or 81 cy of soil containing PCBs were removed from PCB Area No. 2. The soil removed from PCB Area No. 2 also included the soil pile adjacent to the excavation area that was generated by on-Site demolition activities. All soils were transported to and disposed of at Waste Management, Inc.'s Autumn Hills Landfill in Zeeland, Michigan, in accordance with 40 CFR 761.61(a)(5).

5.2 SOIL EXCAVATION BACKFILLING ACTIVITIES

Upon receipt of the analytical results for the verification soil samples indicating that PCBs were not detected at a concentration above 1 ppm (see Section 6.0), the excavations were backfilled. Crushed concrete fill generated on-Site during the demolition activities was utilized to backfill each excavation cavity. All final grading and compaction of fill materials was completed as part of the decommissioning and demolition scope of work.

5.3 DECONTAMINATION

Decontamination was completed in accordance with the self-implementing procedures described in 40 CFR 761.79(c)(2). Equipment which contacted PCB-impacted material, including the excavator and non-disposable sampling equipment, was decontaminated with a high-pressure steam cleaner and a detergent solution. Decontamination materials were disposed as described in Section 5.4.

5.4 TRANSPORTATION AND OFF-SITE DISPOSAL

Transportation and disposal were required for the waste stream in accordance with 40 CFR 761.61(a)(5)(v)(A) for bulk PCB remediation waste containing PCBs less than 50 ppm. A minimum 15-day notification was provided to the disposal facility prior to the first shipment of the waste.

Excavated materials were direct-loaded into trucks. Water generated during decontamination activities was left in the decontamination pad to allow for complete evaporation. The decontamination pad materials were stored in a 55-gallon drum that contained soil cuttings from the SIP investigation sampling. The soils, decontamination pad materials, and personal protective equipment (PPE) generated during implementation of the cleanup were disposed of at Autumn Hills Landfill in Zeeland, Michigan.

The waste manifests for the soils and other materials were prepared in accordance with 40 CFR 761 Subpart K *PCB Waste Disposal Records and Reports*. A copy of the disposal documentation is presented in Appendix B.

6.0 VERIFICATION SAMPLING

Verification sampling was conducted consistent with 40 CFR 761 Subpart O "Sampling to Verify Completion of Self-Implementing Cleanup and On-Site Disposal of Bulk PCB Remediation Waste and Porous Surfaces." Table 6.1 presents a sample key for the final verification samples.

After completion of excavation activities, verification samples were collected at five-foot intervals horizontally and vertically. The soils were composited in the field and sent to the laboratory for analysis. Laboratory analytical results from the sampling after excavation activities indicated that PCBs at concentrations above 1 ppm were no longer present in any of the excavation floor and sidewalls.

Figures 6.1 and 6.2 present the verification sample locations for PCB Area No. 1 and PCB Area No. 2, respectively. Table 6.2 presents the analytical results for the final verification samples. The complete data deliverables provided by the laboratories that performed the analysis of the samples during the PCB cleanup activities are available upon request.

7.0 CAP REQUIREMENTS

A cap was not utilized as part of this cleanup.

8.0 DEED RESTRICTIONS

Deed restrictions were not utilized as part of this cleanup.

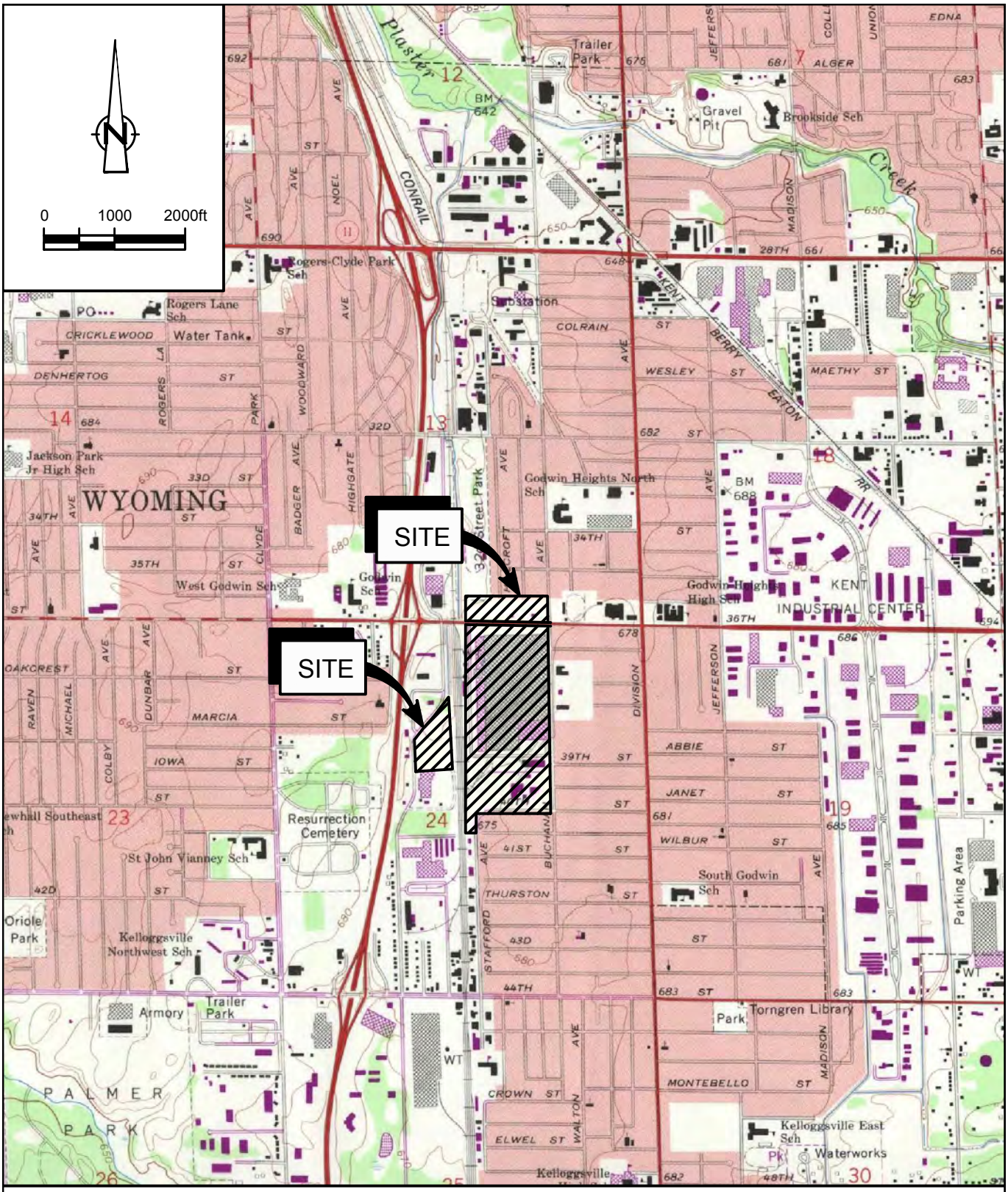
9.0 RECORDKEEPING

During completion of the cleanup activities, a logbook was maintained to document all activities completed on Site including weather, personnel participating in the cleanup activities, cleanup activities conducted, and other relevant information.

As identified in the SIP, all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrument/chemical analysis procedures used to assess or characterize the PCB contamination related to the investigation and cleanup activities will be maintained in the following location and accessible for inspection by U.S. EPA:

- Conestoga-Rovers & Associates, Inc.
  Attn: Jennifer Quigley, P.E.
  200 West Allegan Street, Suite 300
  Plainwell, Michigan 49080-1397

Records will be kept consistent with 40 CFR 761.61(a)(9).



SOURCE: USGS QUADRANGLE MAP
GRAND RAPIDS - EAST - MICHIGAN

figure 1.1

SITE LOCATION
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

017360-T05(030)GN-DE001 FEB 12/2013

RESIDENTIAL

COMMERCIAL

COMMERCIAL/INDUSTRIAL

COMMERCIAL/RESIDENTIAL

RESIDENTIAL

RESIDENTIAL

BUCHANAN STREET

36TH STREET

40TH STREET

STAFFORD

CLAY AVE.

CLAY AVE.

PCB AREA NO. 1

PCB AREA NO. 2

FORMER MAIN MANUFACTURING BUILDING

FORMER RACK MAKE-UP BUILDING

FORMER POWER HOUSE

FORMER USED OIL AST

FORMER PRESS STAGING BUILDING

FORMER TP

FORMER BALER HOUSE

PUMP HOUSE

500,000 GALLON WATER STORAGE TANK

PRIMARY SWITCH HOUSE

GUARD HOUSE

TRUCK SCALE PIT

STORM SEWER PUMP HOUSE

METAL STORAGE SHED

STORM WATER RETENTION BASIN

EMPLOYEE ENTRANCE BUILDING

N

0 100 250ft

LEGEND

APPROXIMATE PROPERTY BOUNDARY

AREA OF PCB IMPACTED SOIL EXCAVATION

FENCE

RAILROAD

COLE DRAIN

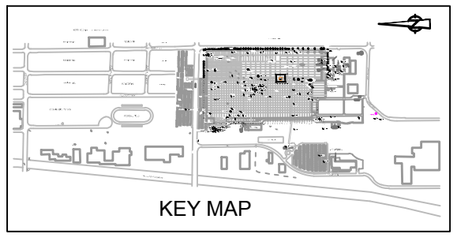
CRA

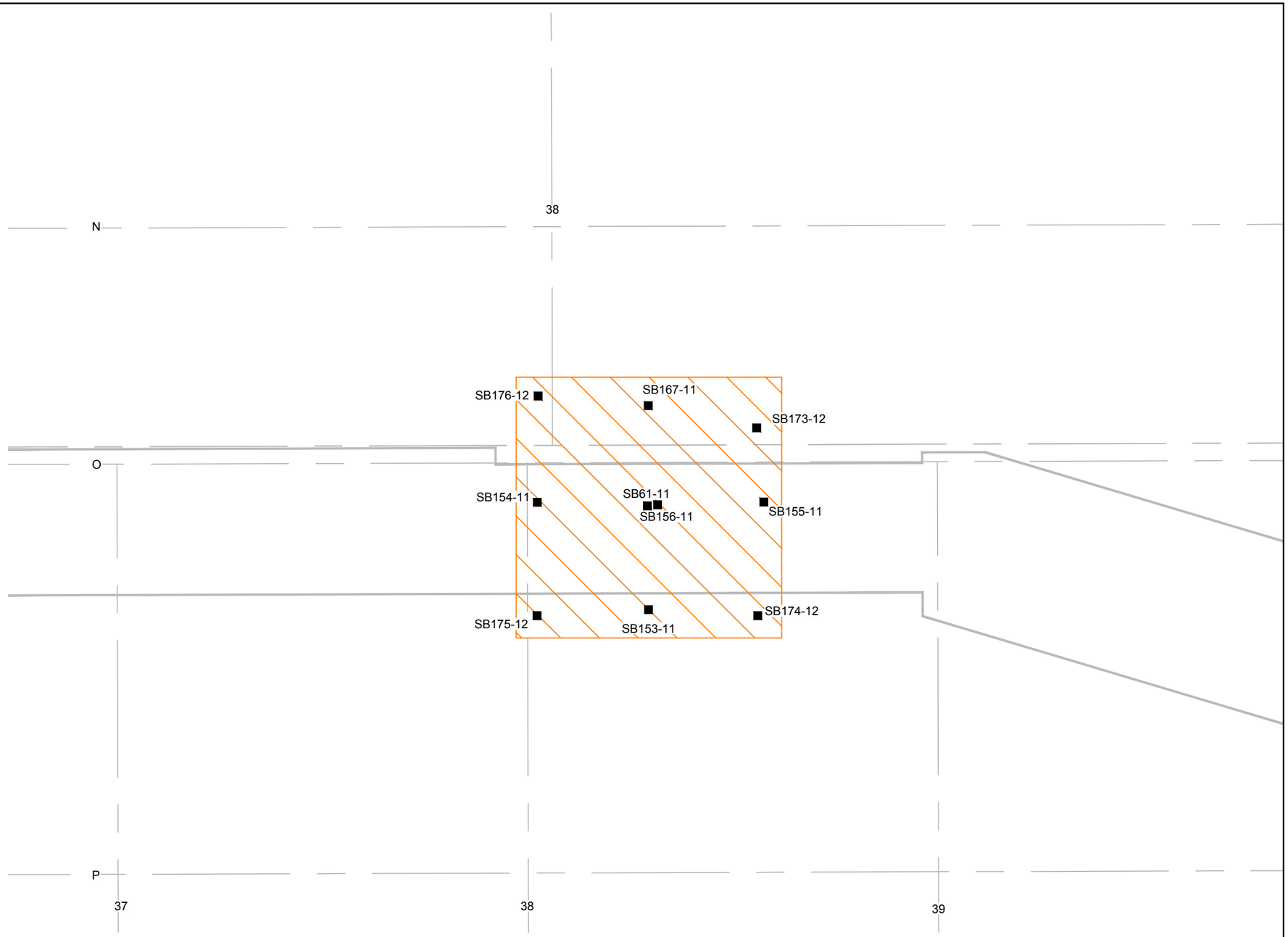
figure 1.2

SITE PLAN
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

017360-T05(030)GN-DE002 FEB 12/2013

0 5 10ft





LEGEND

■ SB156-11 SOIL BORING LOCATION

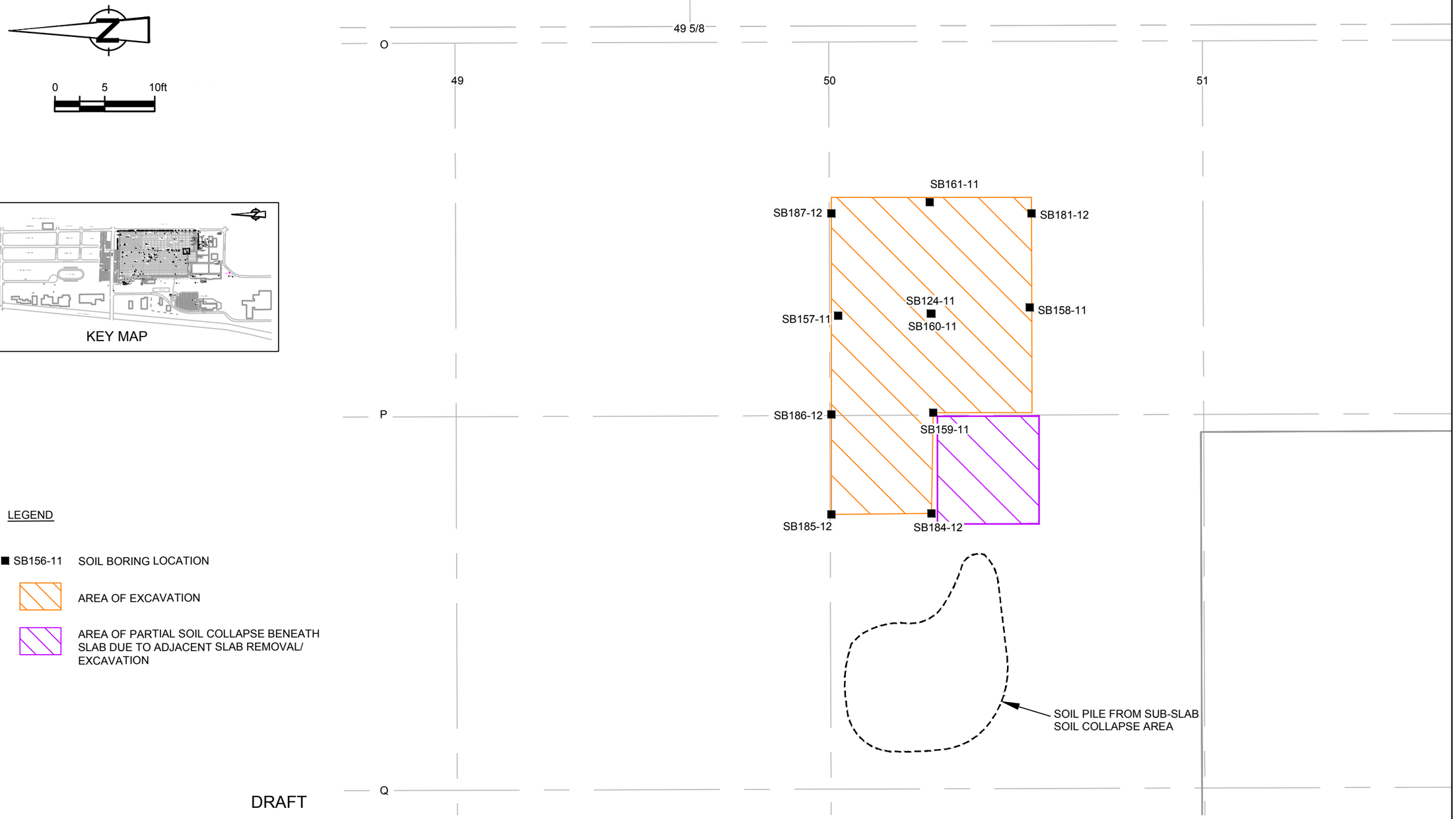
AREA OF EXCAVATION

DRAFT

figure 5.1

PCB AREA NO. 1 - EXCAVATION AREA
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

017360-T05(030)GN-DE003 APR 04/2013



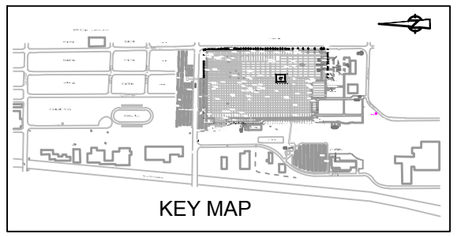
DRAFT

figure 5.2

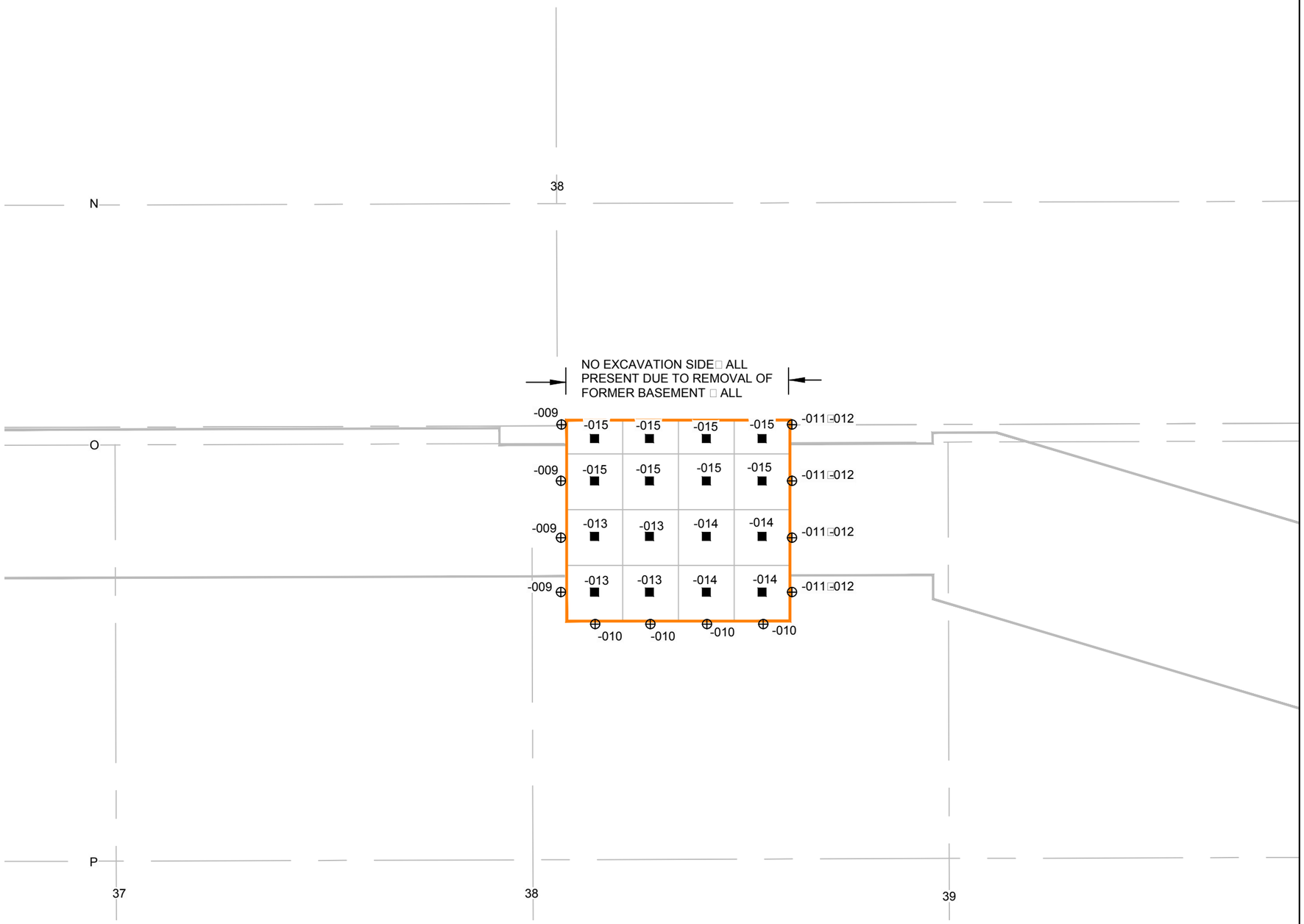
PCB AREA NO. 2 - EXCAVATION AREA
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

017360-T05(030)GN-DE004 APR 04/2013

0 5 10ft



KEY MAP



LEGEND

LIMITS OF EXCAVATION

■ COMPOSITE VERIFICATION SAMPLE GRAB LOCATION - FLOOR

⊕ COMPOSITE VERIFICATION SAMPLE GRAB LOCATION - SIDE□ ALL

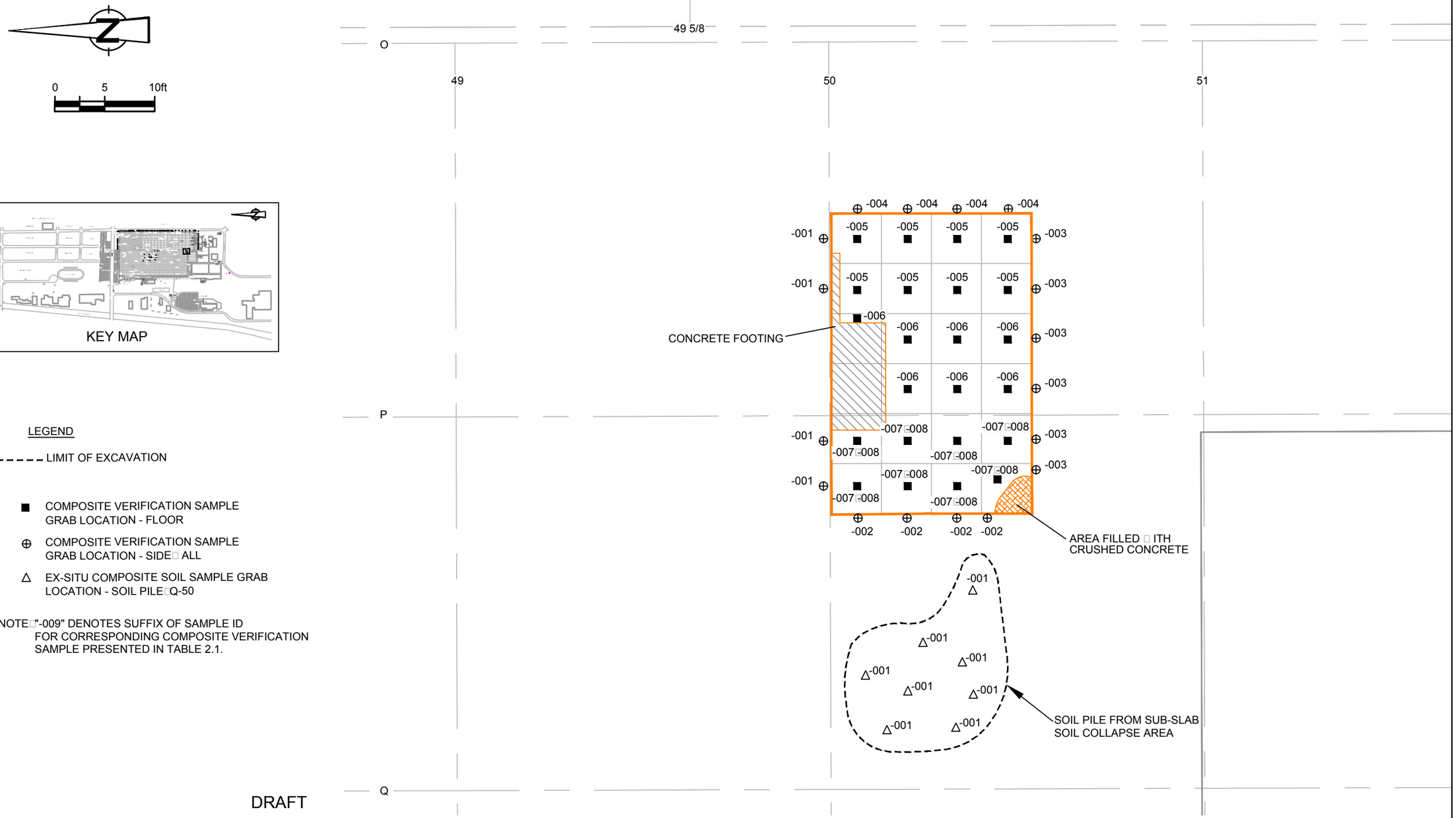
NOTE□"-009" DENOTES SUFFIX OF SAMPLE ID FOR CORRESPONDING COMPOSITE VERIFICATION SAMPLE PRESENTED IN TABLE 2.1.

DRAFT

figure 6.1

PCB AREA NO. 1 - VERIFICATION SAMPLE LOCATIONS
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

CRA



DRAFT

figure 6.2

PCB AREA NO. 2 - VERIFICATION SAMPLE LOCATIONS
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

VERIFICATION SAMPLE SUMMARY
SOIL CONTAINING PCB CLEANUP COMPLETION SUMMARY REPORT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	*Sample Identification*	*Sample Location*	*Matrix*	*Sample Depth (ft bgs)*	*QC Sample*	*Analysis*
6/15/2012	SO-17360-061512-EB-001	PCB Area Soil Pile - Q-50	Soil	-		PCBs
8/22/2012	SO-17360-082212-EB-013	PCB Area No. 1 - Floor Composite -013	Soil	3		PCBs
8/22/2012	SO-17360-082212-EB-014	PCB Area No. 1 - Floor Composite -014	Soil	3		PCBs
8/22/2012	SO-17360-082212-EB-015	PCB Area No. 1 - Floor Composite -015	Soil	3	MS/MSD	PCBs
8/22/2012	SO-17360-082212-EB-009	PCB Area No. 1 - North Sidewall	Soil	1.5		PCBs
8/22/2012	SO-17360-082212-EB-011	PCB Area No. 1 - South Sidewall	Soil	1.5	Duplicate	PCBs
8/22/2012	SO-17360-082212-EB-012	PCB Area No. 1 - South Sidewall	Soil	1.5		PCBs
8/22/2012	SO-17360-082212-EB-010	PCB Area No. 1 - West Sidewall	Soil	1.5		PCBs
8/22/2012	SO-17360-082212-EB-004	PCB Area No. 2 - East Sidewall	Soil	1.5		PCBs
8/22/2012	SO-17360-082212-EB-005	PCB Area No. 2 - Floor Composite -005	Soil	3		PCBs
8/22/2012	SO-17360-082212-EB-006	PCB Area No. 2 - Floor Composite -006	Soil	3		PCBs
8/22/2012	SO-17360-082212-EB-007	PCB Area No. 2 - Floor Composite -007	Soil	3	Duplicate	PCBs
8/22/2012	SO-17360-082212-EB-008	PCB Area No. 2 - Floor Composite -008	Soil	3		PCBs
8/22/2012	SO-17360-082212-EB-001	PCB Area No. 2 - North Sidewall	Soil	1.5		PCBs
8/22/2012	SO-17360-082212-EB-003	PCB Area No. 2 - South Sidewall	Soil	1.5		PCBs
8/22/2012	SO-17360-082212-EB-002	PCB Area No. 2 - West Sidewall	Soil	1.5		PCBs

Notes:
PCBs - Polychlorinated Biphenyls
QC - Quality Control
MS/MSD - Matrix Spike /Matrix Spike Duplicate

TABLE 6.2

VERFICIATION SAMPLING ANALYTICAL RESULTS
SOIL CONTAINING PCB CLEANUP COMPLETION SUMMARY REPORT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*PCB Area No. 1 North Sidewall*	*PCB Area No. 1 South Sidewall*	*PCB Area No. 1 South Sidewall*	*PCB Area No. 1 West Sidewall*	*PCB Area No. 1 Floor Composite -013*	*PCB Area No. 1 Floor Composite -014*
Sample Identification		*SO-17360-082212-EB-009*	*SO-17360-082212-EB-011*	*SO-17360-082212-EB-012*	*SO-17360-082212-EB-010*	*SO-17360-082212-EB-013*	*SO-17360-082212-EB-014*
Sample Date		*8/22/2012*	*8/22/2012*	*8/22/2012*	*8/22/2012*	*8/22/2012*	*8/22/2012*
Sample Type				*Duplicate*			
Sample Depth		*(1.5-) ft BGS*	*(1.5-) ft BGS*	*(1.5-) ft BGS*	*(1.5-) ft BGS*	*(3) ft BGS*	*(3) ft BGS*
	Units						
Polychlorinated Biphenyls (PCBs)							
Aroclor-1016 (PCB-1016)	ug/kg	350 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1221 (PCB-1221)	ug/kg	350 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1232 (PCB-1232)	ug/kg	350 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1242 (PCB-1242)	ug/kg	350 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1248 (PCB-1248)	ug/kg	350 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1254 (PCB-1254)	ug/kg	11 J	350 U	350 U	7.7 J	24 J	15 J
Aroclor-1260 (PCB-1260)	ug/kg	350 U	350 U	350 U	350 U	350 U	350 U
Total PCBs	ug/kg	11 J	ND	ND	7.7 J	24 J	15 J

TABLE 6.2

VERFICIATION SAMPLING ANALYTICAL RESULTS
SOIL CONTAINING PCB CLEANUP COMPLETION SUMMARY REPORT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*PCB Area No. 1 Floor Composite -015*	*PCB Area No. 2 East Sidewall*	*PCB Area No. 2 North Sidewall*	*PCB Area No. 2 South Sidewall*	*PCB Area No. 2 West Sidewall*
Sample Identification		*SO-17360-082212-EB-015*	*SO-17360-082212-EB-004*	*SO-17360-082212-EB-001*	*SO-17360-082212-EB-003*	*SO-17360-082212-EB-002*
Sample Date		*8/22/2012*	*8/22/2012*	*8/22/2012*	*8/22/2012*	*8/22/2012*
Sample Type						
Sample Depth		*(3) ft BGS*	*(1.5-) ft BGS*	*(1.5-) ft BGS*	*(1.5-) ft BGS*	*(1.5-) ft BGS*
	Units					
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016 (PCB-1016)	ug/kg	350 U	350 U	340 U	350 U	340 U
Aroclor-1221 (PCB-1221)	ug/kg	350 U	350 U	340 U	350 U	340 U
Aroclor-1232 (PCB-1232)	ug/kg	350 U	350 U	340 U	350 U	340 U
Aroclor-1242 (PCB-1242)	ug/kg	350 U	350 U	340 U	350 U	340 U
Aroclor-1248 (PCB-1248)	ug/kg	350 U	350 U	340 U	350 U	340 U
Aroclor-1254 (PCB-1254)	ug/kg	38 J	350 U	51 J	130 J	340 U
Aroclor-1260 (PCB-1260)	ug/kg	26 J	350 U	340 U	20 J	340 U
Total PCBs	ug/kg	64 J	ND	51 J	150 J	ND

TABLE 6.2

VERFICIATION SAMPLING ANALYTICAL RESULTS
SOIL CONTAINING PCB CLEANUP COMPLETION SUMMARY REPORT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*PCB Area No. 2 Floor Composite -005*	*PCB Area No. 2 Floor Composite -006*	*PCB Area No. 2 Floor Composite -007*	*PCB Area No. 2 Floor Composite -008*	*PCB Area Soil Pile - Q-50*
Sample Identification		*SO-17360-082212-EB-005*	*SO-17360-082212-EB-006*	*SO-17360-082212-EB-007*	*SO-17360-082212-EB-008*	*SO-17360-061512-EB-001*
Sample Date		*8/22/2012*	*8/22/2012*	*8/22/2012*	*8/22/2012*	*6/15/2012*
Sample Type					*Duplicate*	
Sample Depth		*(3-) ft BGS*	*(3-) ft BGS*	*(3-) ft BGS*	*(3-) ft BGS*	*-*
	Units					
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016 (PCB-1016)	ug/kg	350 U	350 U	350 U	340 U	340 U
Aroclor-1221 (PCB-1221)	ug/kg	350 U	350 U	350 U	340 U	340 U
Aroclor-1232 (PCB-1232)	ug/kg	350 U	350 U	350 U	340 U	340 U
Aroclor-1242 (PCB-1242)	ug/kg	350 U	350 U	350 U	340 U	340 U
Aroclor-1248 (PCB-1248)	ug/kg	350 U	350 U	350 U	340 U	340 U
Aroclor-1254 (PCB-1254)	ug/kg	13 J	37 J	12 J	7 J	340 U
Aroclor-1260 (PCB-1260)	ug/kg	350 U	350 U	350 U	340 U	340 U
Total PCBs	ug/kg	13 J	37 J	12 J	7 J	ND

APPENDIX A

SELF-IMPLEMENTING PLAN

SELF-IMPLEMENTING PLAN FOR THE REMEDIATION OF PCB-IMPACTED SOILS PURSUANT TO 40 CFR 761.61(a)

FORMER GRAND RAPIDS METAL PLANT
300 36th STREET SW
WYOMING, MICHIGAN

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web: http://www.CRAworld.com

JUNE 2012
REF. NO. 017360 (28)

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APPENDIX A STRATIGRAPHIC SOIL BORING LOGS

1.0 INTRODUCTION/PURPOSE OF REPORT

Conestoga-Rovers & Associates (CRA) has prepared this Self-Implementing Plan (SIP) on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust for the former Grand Rapids Metal Plant property located at 300 36th Street SW in Wyoming, Michigan (Site). The Site location is presented on Figure 1.1. This SIP has been prepared for submittal to the United States Environmental Protection Agency (U.S. EPA) – Region 5, the Michigan Department of Environmental Quality (MDEQ), and the Kent County Health Department (KCHD) in accordance with the procedures set forth in 40 Code of Federal Regulations (CFR) 761.61(a) of the Toxic Substances Control Act (TSCA) regarding the characterization and remediation of polychlorinated biphenyl (PCB) remediation waste.

General Motors Corporation (GMC) initiated automotive manufacturing operations at the Site in 1936. Operations ceased at the Site on June 30, 2010. GMC filed for bankruptcy under Chapter 11 of the United States Bankruptcy Code on June 1, 2009. On July 10, 2009, pursuant to a bankruptcy court order, Motors Liquidation Company (MLC) retained ownership of the Site, and on October 20, 2010 entered into a settlement agreement with federal and state governmental authorities regarding MLC's environmental obligations at its remaining properties. According to the terms of the settlement agreement, RACER Trust became effective March 31, 2011 and interests in the Site were transferred to RACER Trust at that time to conduct, manage, and fund cleanup at the 89 sites formerly owned by MLC, including the Site. The Site was sold to the City of Wyoming Brownfield Redevelopment Authority (WBRA) on June 28, 2011; however, RACER Trust retains certain responsibilities related to subsurface contamination associated with historical operations at the Site by GMC. As such, the scope of this SIP is limited to specific subsurface areas of the Site only, as described in subsequent sections.

The Site is currently undergoing redevelopment activities including decommissioning, demolition, and property re-grading by contractors on behalf of the WBRA. The majority of the historical structures at the Site have been decommissioned and demolished, or are undergoing demolition at this time.

This SIP is being filed with the U.S. EPA, MDEQ, and the KCHD in accordance with 40 CFR 761.61(a)(3)(i). RACER Trust respectfully requests an expedited review of this SIP in order to assist the on-going redevelopment efforts of the WBRA's contractors in the removal of the former Main Manufacturing Building slab and re-grading activities in a timely manner.

2.0 SITE BACKGROUND/HISTORY

2.1 SITE DESCRIPTION

The Site is located at 300 36th Street SW and consists of approximately 88 acres of land. The Site historically included an approximately 2 million square-foot Main Manufacturing Building and several outlying buildings and ancillary structures (Wastewater Treatment Plant [WWTP], Power House, Press Staging Building, Primary Switch House, Baler House, Rack Make-Up Building, South Fire Pump House, West Fire Pump House, Storm Sewer Pump House, Cooling Tower Pump House, Metal Storage Shed, and Guard House), asphalt and concrete-paved areas, a stormwater retention pond, and vegetated and landscaped areas. The majority of the historical structures at the Site have been decommissioned and demolished, or are undergoing demolition at this time. Figure 2.1 presents a Site plan.

2.2 ENVIRONMENTAL SETTING

The Site is located in a mixed industrial, commercial, residential and recreational area in the City of Wyoming, Michigan with Buchanan Ave SW and mixed industrial/residential to the east, mixed recreational and residential to the north, railroad tracks and mixed commercial/industrial to the west, and 40th Street SW and residential to the south as further discussed below.

The Site is abutted to the north by Price and Company, Godwin Heights Public Schools athletic fields and residential properties, with Hillcroft Park located beyond.

The Site is abutted to the east by Buchanan Street followed by an Amoco gas station, Tint Factory, N&A Auto Repair, Prestige Transport, LLC, Steil Property Management, RSP Investment Property, Inc., MSC Industrial Supply Co., Clean Rooms International, Independent Glass, Chase Creative Unlimited, Ter Molen & Hart Sheet Metal, Tracer Tool & Die Co., United Auto Workers (UAW) Hall, Conical Tapered Mills, a vacant commercial/industrial building, a vacant lot, Mark Maker Company, and residential properties.

The Site is abutted to the south by 40th Street followed by Accurate Alignment & Brake and residential properties.

The Site is abutted to the west by railroad tracks, Cole Drain, Consumers high-tension power lines, Consumers Service Center, The Macomb Group, and Clay Avenue followed by Ryder Truck, Cummins, a vacant commercial/industrial building, K-Mac Plastics,

Floyd's Electric, Consolidated Metal Products, Inc., Rose Pest Solutions, Donald Engineering, and Earl Jourdan Auto Parts.

2.3 SITE HISTORY

GMC initiated automotive manufacturing operations at the Site in 1936. Additional buildings were constructed and the Site was expanded several times between 1937 and 2006. Primary operations conducted at the Site consisted of metal fabrication and assembly for consumer vehicles. Operations ceased at the Site on June 30, 2010. The Site is currently on the Michigan Act 451, Part 201 Site List (Site Identification No. 41000115) and RACER Trust is conducting Site-wide investigation and monitoring activities associated with the listing.

The Site is currently undergoing redevelopment activities including decommissioning, demolition, and property re-grading by contractors on behalf of the WBRA. The majority of the historical structures at the Site have been decommissioned and demolished, or are undergoing demolition at this time.

2.4 HISTORICAL USAGE OF PCBs

As part of initial facility decommissioning, a draft Facility Environmental Assessment (FEA) was performed by CRA in October 2010, which included an evaluation of above grade potential PCB-containing or impacted materials. Additionally, as part of the on-going investigations and assessments being conducted at the Site associated with the Michigan Act 451, Part 201 listing, a Current Conditions Report (CCR) was prepared by CRA in December 2010, which included an evaluation of potential PCB-containing materials. As previously indicated, the scope of this SIP is limited to specific subsurface areas of the Site only, as described in subsequent sections.

The scope of work for the FEA and CCR included a Site walkthroughs of accessible Site structures, interviews with Site personnel, and a Site file review to identify potential PCB-containing materials known or suspected to have been used at the Site. Information was compiled on Site during the Site inspection, file review and interviews by CRA. Information obtained included Site drawings, Site environmental records, and copies of miscellaneous lists (equipment, wastes, etc.).

According to historical document reviews and interviews with Site personnel, the known historical uses of PCBs at the Site included: fluorescent light ballasts, hydraulic oils in machinery, and dielectric oil within transformers and capacitors. Potential PCB-

containing materials or PCB-containing materials observed included: dielectric fluids; impacted concrete and metal surfaces; light ballasts; natural gas lines; non-electrical oil-containing equipment such as elevators, air compressors and dock levelers; and solid PCB bulk product materials (i.e., floor block).

3.0 SITE CHARACTERIZATION

As identified in Section 2.3, the Site is on the Michigan Act 451, Part 201 sites list and is currently undergoing investigation and cleanup on a voluntary basis. Numerous subsurface investigations have been conducted at the Site between 1981 and 2012, which primarily evaluated non-PCB related areas of concern.

This section addresses specific subsurface evaluations conducted relative to delineation of two areas (PCB Area No. 1 and PCB Area No. 2) where PCBs were identified during a Site-wide investigation at concentrations above the High Occupancy Area Cleanup Level of 1 ppm/1 mg/kg for bulk remediation waste (without further conditions) set forth in TSCA. These two areas are being addressed at this time as the new property owner implements redevelopment activities in the area of the former Main Manufacturing Building footprint. Additional areas of PCB detections in soil above the 1 mg/kg High Occupancy Area Cleanup Level are present at the Site outside the former Main Manufacturing Building footprint; however, are not addressed in this SIP. These areas will be further evaluated and addressed, as applicable, in accordance with 40 CFR 761.61 at a later date.

3.1 SOIL BORING INSTALLATION/SOIL SAMPLING

PCB Area Nos. 1 and 2 were investigated in February and September 2011, and April 2012 through the installation of soil borings and the collection of soil samples.

Soil borings were advanced utilizing a rotosonic or direct-push (i.e., Geoprobe®) drill rig with continuous Macrocore® sampling. The Macrocore® samples were logged, examined by a CRA geologist for visual/olfactory evidence of impact, and screened with an 11.7 electron volt (eV) bulb photoionization detector (PID). The stratigraphic soil boring logs are presented in Appendix A. Soil samples, including Quality Assurance/Quality Control (QA/QC) samples, were collected from the soil boring locations for laboratory analysis as described in Sections 3.1.1 and 3.1.2. A sample summary is presented in Table 3.1.

Soil cuttings were screened with an 11.7 eV bulb PID and examined for visual/olfactory indication of contamination. All soil cuttings were containerized in Department of Transportation (DOT)-approved 55-gallon drums labeled for future characterization and off-Site disposal.

Upon completion of soil sample collection, each soil boring was abandoned by backfilling the soil boring annulus with bentonite chips to the ground surface and properly hydrating.

A survey was completed for the soil boring locations. Soil boring locations and elevations were surveyed, with elevations to the nearest 0.01-foot. The elevations were referenced to a designated above mean sea level benchmark.

3.1.1 PCB AREA NO. 1

A Site-wide investigation was conducted in February 2012. As part of this investigation, one soil boring, SB61-11, was advanced in the central portion of the former Main Manufacturing Building. Soil samples were collected for chemical analysis from the 1 to 3-foot interval immediately beneath the concrete floor slab (0 to 1-foot interval was comprised on concrete floor slab) and from the 18 to 20-foot interval (immediately above the water table). The soil samples were submitted to the laboratory for chemical analysis for PCBs, Target Compound List (TCL) volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PNAs), and Target Analyte List (TAL) metals (minus earth metals). Based on the analytical results, PCBs were detected in the soil sample collected from 1 to 3 feet bgs from SB61-11 at a concentration of 4.4 mg/kg.

Based on the detection of PCBs above 1 mg/kg in the shallow soil sample collected from SB61-11, five additional soil borings were advanced in September 2011, SB153-11 through SB156-11 and SB167-11. Soil borings SB153-11 through SB155-11 and SB167-11 were advanced on 10-foot spacing directly to the north, south, east, and west of SB61-11 and SB156-11 was advanced adjacent to SB61-11. Soil samples were collected from SB153-11 through SB155-11 and SB167-11 for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete floor slab and continuing to approximately 10 feet bgs. Soil samples collected from the interval immediately beneath the floor slab were analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Soil samples were collected from SB156-11 for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete floor slab and continuing to approximately 10 feet bgs. The soil samples collected from the 0.5 to 2.5-foot and 2.5 to 4.0-foot intervals were analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Based on the analytical results, PCBs were not detected in any of the samples collected. Therefore, the deeper samples were not analyzed by the laboratory.

Based on the results of the February and September 2011 investigations, four additional soil borings, SB173-12 through SB176-12, were advanced in April 2012. Soil borings SB173-12 through SB176-12 were advanced on 10-foot spacing to the northeast, northwest, southeast, and southwest of SB61-11/SB156-11 to complete the required delineation grid of the area. Soil samples were collected from SB173-12 through SB176-12 for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete floor slab and continuing to approximately 10 feet bgs. It should be noted that in SB173-12, the concrete slab was 2 feet thick, so the interval for the initial soil sample was the 2 to 4-foot interval, with refusal from concrete encountered below this level. Soil samples collected from the interval immediately beneath the floor slab and the subsequent interval were analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Based on the analytical results, PCBs were not detected in any of the samples collected at a concentration above 1 mg/kg. Therefore, the deeper samples were not analyzed by the laboratory.

Stratigraphic soil boring logs are presented in Appendix A. Table 3.1 presents a sample summary. Table 3.2 presents a summary of PCB analytical results for PCB Area No. 1. Figure 3.1 presents the sample locations and results for PCBs.

3.1.2 PCB AREA NO. 2

A Site-wide investigation was conducted in February 2011. As part of this investigation, one soil boring, SB124-11, was advanced in the central portion of the former Main Manufacturing Building. Soil samples were collected for chemical analysis from the 1 to 3-foot interval immediately beneath the concrete floor slab (0 to 1-foot interval was comprised on concrete floor slab) and from the 17 to 19-foot interval (immediately above the water table). The soil samples were submitted to the laboratory for chemical analysis for PCBs, TCL VOCs, PNAs, and TAL metals (minus earth metals). Based on the analytical results, PCBs were detected in the soil sample collected from 1 to 3 feet bgs from SB124-11 at a concentration of 1.3 mg/kg.

Based on the detection of PCBs above 1 mg/kg in the shallow soil sample collected from SB124-11, five additional soil borings were advanced in September 2011, SB157-11 through SB161-11. Soil borings SB157-11 through SB159-11 and SB161-11 were advanced on 10-foot spacing directly to the north, south, east, and west of SB124-11 and SB160-11 was advanced adjacent to SB124-11. Soil samples were collected from SB157-11 through SB159-11 and SB161-11 for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete floor slab and continuing to approximately 10 feet bgs. Soil samples collected from the interval immediately beneath the floor slab were

analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Soil samples were collected from SB160-11 for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete floor slab and continuing to approximately 10 feet bgs. The soil samples collected from the 0.5 to 2.5-foot and 2.5 to 4.0-foot intervals were analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Based on the analytical results, PCBs were detected in the soil sample collected from the 0.6 to 2.6-foot interval from SB159-11 at a concentration of 1.1 mg/kg. Therefore, the soil samples from the 2.6 to 4-foot and 4 to 6-foot intervals were analyzed by the laboratory. The analytical results for the deeper interval samples collected from SB159-11 and the shallow interval samples from the remainder of the borings did not indicate the presence of PCBs at concentrations above 1 mg/kg. Therefore, additional deeper samples were not analyzed by the laboratory

Based on the results of the February and September 2011 investigations, seven additional soil borings, SB181-12 through SB187-12, were planned for April 2012 to complete the required delineation grid of the area. Upon mobilization to the Site to conduct the delineation activities, it was identified that previous soil excavation activities had been conducted in the area immediately to the southwest of the delineation area and the concrete and underlying partially collapsed soil to the southwest of SB159-11 area was determined to be unstable and unsafe for the situation of the drill rig for the advancement of soil borings, SB182-12 and SB183-12. According to individuals associated with the on-going redevelopment activities, the materials that were excavated to the south-southwest of the delineation area were stockpiled on the concrete floor slab of the former Main Manufacturing Building immediately adjacent to the delineation and excavated areas. This material appears to be approximately 30 cubic yards in volume. An 8-point composite sample of this material will be collected to confirm that PCBs are not detected at a concentration of 1 ppm in the excavated material. Soil borings SB181-12 and SB184-12 through SB187-12 were advanced on 10-foot spacing to the northeast, northwest, southeast, and southwest of SB124-11/SB160-11 and SB159-11. Soil samples were collected from SB181-12 and SB184-12 through SB187-12 for chemical analysis for PCBs in 2-foot intervals beginning immediately beneath the concrete floor slab and continuing to approximately 10 feet bgs. Soil samples collected from the interval immediately beneath the floor slab and the subsequent interval were analyzed by the laboratory, with the underlying 2-foot interval samples placed on hold at the laboratory pending receipt of the initial analysis for the known impacted interval. Based on the analytical results, PCBs were not detected in any of the samples collected at a concentration above 1 mg/kg. Therefore, the deeper samples were not analyzed by the laboratory.

Stratigraphic soil boring logs are presented in Appendix A. Table 3.1 presents a sample summary. Table 3.3 presents a summary of PCB analytical results for PCB Area No. 2. Figure 3.2 presents the sample locations and results for PCBs.

3.2 ANALYTICAL METHODS

The soil samples were submitted under chain-of-custody protocols to Test America Laboratories of North Canton, Ohio or TriMatrix Laboratories of Grand Rapids, Michigan. The soil samples were extracted and analyzed for individual Aroclors (Aroclors 1016, 1221, 1232, 1242, 1248, 1254, and 1260) and total PCBs utilizing U.S.EPA Method 3540C/3550C for extraction/preparation and Method 8082/8082A for chemical analysis consistent with SW-846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" 3rd Edition, and promulgated updates, November 1986.

Copies of analytical reports will be maintained and available for review by U.S. EPA as identified in Section 6.0.

3.3 DATA VALIDATION

All analytical data was assessed utilizing quality control criteria established by the Quality Assurance Project Plan (QAPP) for the on-going Part 201 investigation work at the Site. Data validation memoranda outlining the details of the data validation will be maintained and available for review by U.S. EPA as identified in Section 6.0.

4.0 CLEANUP PLAN/REMEDIATION APPROACH

Based on the pre-cleanup characterization results, soil materials within the boundaries of the delineation to less than 1 ppm will be removed via excavation for off-Site disposal.

Soils will be removed to approximately 3 feet bgs for PCB Area Nos. 1 and 2. Approximately 250 cubic yards of material is anticipated to be removed from PCB Area No. 1 and approximately 390 cubic yards of material is anticipated to be removed from PCB Area No. 2 for off-Site disposal. For PCB Area No. 2, soil will also be removed from the area originally anticipated to be delineated through soil borings SB182-12 and SB183-12, to the extent of the area previously excavated during redevelopment activities (see Section 3.1.2). The anticipated extent of the proposed excavations for PCB Area Nos. 1 and 2 is presented on Figures 3.1 and 3.2, respectively.

Based on the pre-cleanup characterization, all materials have a PCB concentration of less than 50 ppm. These materials will be disposed of at Waste Management's Autumn Hills Landfill in Zeeland, Michigan, in accordance with 40 CFR 761.61 (a)(5).

5.0 SOIL VERIFICATION

Pre-cleanup characterization was conducted in accordance with the requirements of 40 CFR 761 Subpart N. As identified in Sections 3.0 and 4.0, results were compared to the cleanup standard of 1.0 ppm for bulk PCB remediation waste located in high-occupancy areas per 40 CFR 761.61(a)(4)(i)(A) and excavation will be conducted in the delineated extent to this cleanup level. No further verification sampling is proposed under 40 CFR 761; however, one additional floor soil sample from PCB Area No. 1 and one additional floor soil sample from PCB Area No. 2 will be collected for analysis for PCBs to meet MDEQ requirements.

6.0 PLAN CERTIFICATION

Pursuant to 40 CFR 761.61 (a)(3)(i)(E), all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrument/chemical analysis procedures used to assess or characterize the PCB contamination related to the investigation and cleanup activities specified herein will be maintained in the following location and accessible for inspection by U.S. EPA:

- Conestoga-Rovers & Associates, Inc.
  Attn: Jennifer Quigley, P.E.
  200 West Allegan Street, Suite 300
  Plainwell, Michigan 49080-1397

Barbara VanDuren — 6/6/12

Property Owner's Representative Signature — *Date*

Barbara Van Duren

Property Owner's Representative Printed Name

1155 28th Street SW, Wyoming, MI 49509

Address of Property Owner

Jennifer Quigley FOR DAVE FAVERO — 6/1/12

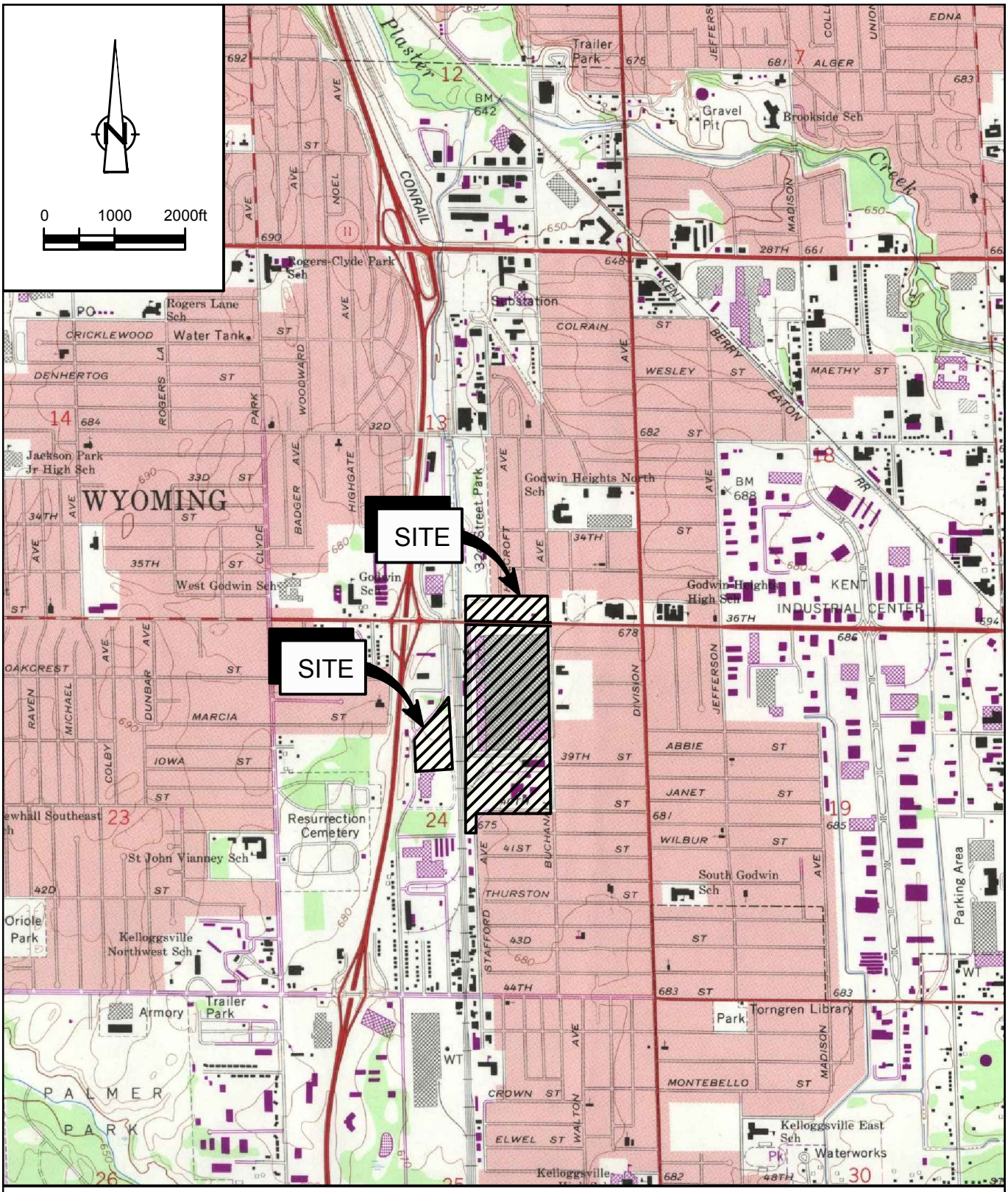
Cleanup Party's Representative Signature — *Date*

David Favero, Deputy Cleanup Manager

Cleanup Party's Representative Printed Name

2930 Ecorse Road, Ypsilanti, MI 48198

Address of Cleanup Party



SOURCE: USGS QUADRANGLE MAP
GRAND RAPIDS - EAST - MICHIGAN

figure 1.1

SITE LOCATION
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

017360-T05(028)GN-DE005 MAY 31/2012

RESIDENTIAL
COMMERCIAL
COMMERCIAL/INDUSTRIAL
COMMERCIAL/RESIDENTIAL
RESIDENTIAL
RESIDENTIAL
BUCHANAN STREET
36TH STREET
40TH STREET
STAFFORD
CLAY AVE.
CLAY AVE.
FORMER MAIN MANUFACTURING BUILDING
FORMER RACK MAKE-UP BUILDING
FORMER POWER HOUSE
FORMER USED OIL AST
FORMER PRESS STAGING BUILDING
FORMER TP
FORMER BALER HOUSE
PUMP HOUSE
500,000 GALLON WATER STORAGE TANK
PRIMARY SWITCH HOUSE
GUARD HOUSE
TRUCK SCALE PIT
STORM SEWER PUMP HOUSE
METAL STORAGE SHED
STORM WATER RETENTION BASIN
EMPLOYEE ENTRANCE BUILDING
0 100 250ft

LEGEND
- APPROXIMATE PROPERTY BOUNDARY
- AREA OF PCB IMPACTED SOIL EVALUATION
- FENCE
- RAILROAD
- COLE DRAIN

figure 1.2

SITE PLAN
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

017360-T05(028)GN-DE006 MAY 31/2012

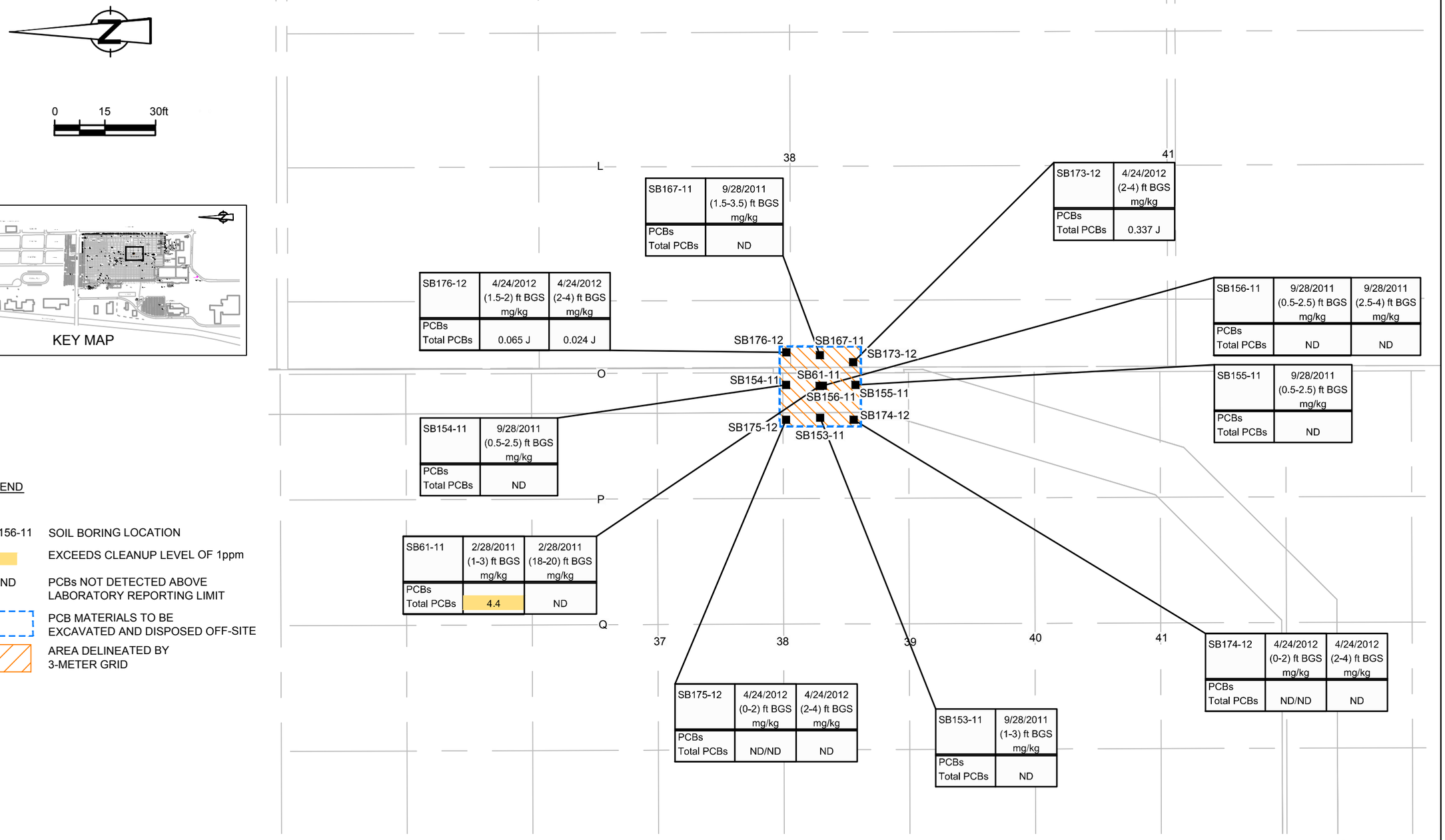
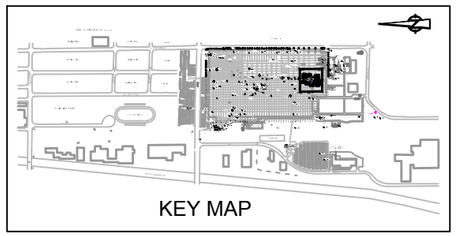


figure 3.1

DRAFT

PCB AREA NO. 1 - DELINEATION SAMPLE LOCATIONS
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

0 15 30ft



SB187-12	4/23/2012 (0-2) ft BGS mg/kg	4/23/2012 (2-4) ft BGS mg/kg
PCBs Total PCBs	0.15 J	ND

SB161-11	9/27/2011 (0.5-2.5) ft BGS mg/kg
PCBs Total PCBs	ND

SB181-12	4/23/2012 (0-2) ft BGS mg/kg	4/23/2012 (2-4) ft BGS mg/kg
PCBs Total PCBs	ND	0.0054 J

SB157-11	9/27/2011 (0.7-2.7) ft BGS mg/kg
PCBs Total PCBs	ND

SB158-11	9/27/2011 (0.5-2.5) ft BGS mg/kg
PCBs Total PCBs	ND

SB160-11	9/27/2011 (0.5-2.5) ft BGS mg/kg	9/27/2011 (2.5-4) ft BGS mg/kg
PCBs Total PCBs	ND	ND

SB159-11	9/27/2011 (0.6-2.6) ft BGS mg/kg	9/27/2011 (2.6-4) ft BGS mg/kg	9/27/2011 (4-6) ft BGS mg/kg
PCBs Total PCBs	1.1	ND	ND

SB124-11	2/21/2011 (1-3) ft BGS mg/kg	2/21/2011 (17-19) ft BGS mg/kg
PCBs Total PCBs	1.3	ND

SB186-12	4/23/2012 (0-2) ft BGS mg/kg	4/23/2012 (2-4) ft BGS mg/kg
PCBs Total PCBs	0.11 J	0.047 J/0.05 J

SB185-12	4/23/2012 (0-2) ft BGS mg/kg	4/23/2012 (2-4) ft BGS mg/kg
PCBs Total PCBs	ND	ND

SB184-12	4/23/2012 (0-2) ft BGS mg/kg	4/23/2012 (2-4) ft BGS mg/kg
PCBs Total PCBs	ND	ND

O P Q R

49 5/8 49 50 51 52 1/4

SB161-11 SB187-12 SB181-12 SB124-11 SB157-11 SB158-11 SB160-11 SB186-12 SB159-11 SB185-12 SB184-12

LEGEND

■ SB156-11 SOIL BORING LOCATION

EXCEEDS CLEANUP LEVEL OF 1ppm

ND PCBs NOT DETECTED ABOVE LABORATORY REPORTING LIMIT

PCB MATERIALS TO BE EXCAVATED AND DISPOSED OFF-SITE

AREA DELINEATED BY 3-METER GRID

AREA OF PARTIAL SOIL COLLAPSE BENEATH SLAB DUE TO ADJACENT SLAB REMOVAL/ EXCAVATION

DRAFT

figure 3.2

PCB AREA NO. 2 - DELINEATION SAMPLE LOCATIONS
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

SAMPLE SUMMARY
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	*Sample Identification*	*Sample Location*	*Matrix*	*Sample Depth (ft bgs)*			*QC Sample*	*Analysis*
2/21/2011	SO-17360-022111-DR-105	SB124-11	Soil	1	to	3		PCBs
2/21/2011	SO-17360-022111-DR-106	SB124-11	Soil	17	to	19		PCBs
2/28/2011	SO-17360-022811-DR-134	SB61-11	Soil	1	to	3		PCBs
2/28/2011	SO-17360-022811-DR-135	SB61-11	Soil	18	to	20		PCBs
9/27/2011	S-17360-092711-EM-009	SB159-11	Soil	0.6	to	2.6		PCBs
9/27/2011	S-17360-092711-EM-010	SB159-11	Soil	2.6	to	4		PCBs
9/27/2011	S-17360-092711-EM-011	SB159-11	Soil	4	to	6		PCBs
9/27/2011	SO-17360-092711-EM-012	SB159-11	Soil	6	to	8		PCBs[1]
9/27/2011	SO-17360-092711-EM-013	SB159-11	Soil	8	to	10		PCBs[1]
9/27/2011	S-17360-092711-EM-014	SB158-11	Soil	0.5	to	2.5		PCBs
9/27/2011	SO-17360-092711-EM-015	SB158-11	Soil	2.5	to	4		PCBs[1]
9/27/2011	SO-17360-092711-EM-016	SB158-11	Soil	4	to	6		PCBs[1]
9/27/2011	SO-17360-092711-EM-017	SB158-11	Soil	6	to	8		PCBs[1]
9/27/2011	SO-17360-092711-EM-018	SB158-11	Soil	8	to	10		PCBs[1]
9/27/2011	S-17360-092711-EM-019	SB161-11	Soil	0.5	to	2.5		PCBs
9/27/2011	SO-17360-092711-EM-020	SB161-11	Soil	2.5	to	4		PCBs[1]
9/27/2011	SO-17360-092711-EM-021	SB161-11	Soil	4	to	6		PCBs[1]
9/27/2011	SO-17360-092711-EM-022	SB161-11	Soil	6	to	8		PCBs[1]
9/27/2011	SO-17360-092711-EM-023	SB161-11	Soil	8	to	10		PCBs[1]
9/27/2011	S-17360-092711-EM-024	SB160-11	Soil	0.5	to	2.5		PCBs
9/27/2011	S-17360-092711-EM-025	SB160-11	Soil	2.5	to	4		PCBs
9/27/2011	SO-17360-092711-EM-026	SB160-11	Soil	4	to	6		PCBs[1]
9/27/2011	SO-17360-092711-EM-027	SB160-11	Soil	6	to	8		PCBs[1]
9/27/2011	SO-17360-092711-EM-028	SB160-11	Soil	8	to	10		PCBs[1]
9/27/2011	S-17360-092711-EM-029	SB157-11	Soil	0.7	to	2.7		PCBs
9/27/2011	SO-17360-092711-EM-030	SB157-11	Soil	2.7	to	5		PCBs[1]
9/27/2011	SO-17360-092711-EM-031	SB157-11	Soil	5	to	7		PCBs[1]
9/28/2011	S-17360-092811-EM-038	SB154-11	Soil	0.5	to	2.5		PCBs
9/28/2011	SO-17360-092811-EM-039	SB154-11	Soil	2.5	to	4		PCBs[1]
9/28/2011	SO-17360-092811-EM-040	SB154-11	Soil	4	to	6		PCBs[1]
9/28/2011	SO-17360-092811-EM-041	SB154-11	Soil	6	to	8		PCBs[1]
9/28/2011	SO-17360-092811-EM-042	SB154-11	Soil	8	to	10		PCBs[1]
9/28/2011	S-17360-092811-EM-043	SB156-11	Soil	0.5	to	2.5		PCBs
9/28/2011	S-17360-092811-EM-044	SB156-11	Soil	2.5	to	4		PCBs
9/28/2011	SO-17360-092811-EM-045	SB156-11	Soil	4	to	6		PCBs[1]
9/28/2011	SO-17360-092811-EM-046	SB156-11	Soil	6	to	8		PCBs[1]
9/28/2011	SO-17360-092811-EM-047	SB156-11	Soil	8	to	10		PCBs[1]
9/28/2011	S-17360-092811-EM-048	SB155-11	Soil	0.5	to	2.5		PCBs
9/28/2011	SO-17360-092811-EM-049	SB155-11	Soil	2.5	to	4		PCBs[1]
9/28/2011	SO-17360-092811-EM-050	SB155-11	Soil	4	to	6		PCBs[1]
9/28/2011	SO-17360-092811-EM-051	SB155-11	Soil	6	to	8		PCBs[1]
9/28/2011	SO-17360-092811-EM-052	SB155-11	Soil	8	to	10		PCBs[1]
9/28/2011	S-17360-092811-EM-053	SB153-11	Soil	1	to	3		PCBs
9/28/2011	SO-17360-092811-EM-054	SB153-11	Soil	3	to	5		PCBs[1]
9/28/2011	SO-17360-092811-EM-055	SB153-11	Soil	5	to	7		PCBs[1]
9/28/2011	SO-17360-092811-EM-056	SB153-11	Soil	7	to	9		PCBs[1]
9/28/2011	SO-17360-092811-EM-057	SB153-11	Soil	9	to	10		PCBs[1]
9/28/2011	S-17360-092811-EM-058	SB167-11	Soil	1.5	to	3.5		PCBs
9/28/2011	SO-17360-092811-EM-059	SB167-11	Soil	3.5	to	5.5		PCBs[1]
9/28/2011	SO-17360-092811-EM-060	SB167-11	Soil	5.5	to	7.5		PCBs[1]
9/28/2011	SO-17360-092811-EM-061	SB167-11	Soil	7.5	to	9.5		PCBs[1]
4/23/2012	SO-17360-042312-EB-001	SB186-12	Soil	0	to	2		PCBs
4/23/2012	SO-17360-042312-EB-002	SB186-12	Soil	2	to	4		PCBs
4/23/2012	SO-17360-042312-EB-003	SB186-12	Soil	2	to	4	Duplicate (-002)	PCBs
4/23/2012	SO-17360-042312-EB-004	SB186-12	Soil	4	to	6		PCBs[1]
4/23/2012	SO-17360-042312-EB-005	SB186-12	Soil	4	to	6	Duplicate (-004)	PCBs[1]
4/23/2012	SO-17360-042312-EB-006	SB186-12	Soil	6	to	8	MS/MSD	PCBs[1]
4/23/2012	SO-17360-042312-EB-007	SB186-12	Soil	8	to	10		PCBs[1]
4/23/2012	SO-17360-042312-EB-008	SB185-12	Soil	0	to	2		PCBs
4/23/2012	SO-17360-042312-EB-009	SB185-12	Soil	2	to	4		PCBs
4/23/2012	SO-17360-042312-EB-010	SB185-12	Soil	4	to	6		PCBs[1]

SAMPLE SUMMARY
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	*Sample Identification*	*Sample Location*	*Matrix*	*Sample Depth (ft bgs)*			*QC Sample*	*Analysis*
4/23/2012	SO-17360-042312-EB-011	SB185-12	Soil	6	to	8		PCBs[1]
4/23/2012	SO-17360-042312-EB-012	SB185-12	Soil	8	to	10		PCBs[1]
4/23/2012	SO-17360-042312-EB-013	SB184-12	Soil	0	to	2		PCBs
4/23/2012	SO-17360-042312-EB-014	SB184-12	Soil	2	to	4		PCBs
4/23/2012	SO-17360-042312-EB-015	SB184-12	Soil	4	to	6		PCBs[1]
4/23/2012	SO-17360-042312-EB-016	SB184-12	Soil	6	to	8		PCBs[1]
4/23/2012	SO-17360-042312-EB-017	SB184-12	Soil	6	to	8	Duplicate (-016)	PCBs[1]
4/23/2012	SO-17360-042312-EB-018	SB184-12	Soil	8	to	10		PCBs[1]
4/23/2012	SO-17360-042312-EB-019	SB187-12	Soil	0	to	2		PCBs
4/23/2012	SO-17360-042312-EB-020	SB187-12	Soil	2	to	4		PCBs
4/23/2012	SO-17360-042312-EB-021	SB187-12	Soil	4	to	6		PCBs[1]
4/23/2012	SO-17360-042312-EB-022	SB187-12	Soil	6	to	8		PCBs[1]
4/23/2012	SO-17360-042312-EB-023	SB187-12	Soil	8	to	10		PCBs[1]
4/23/2012	SO-17360-042312-EB-024	SB181-12	Soil	0	to	2	MS/MSD	PCBs
4/23/2012	SO-17360-042312-EB-025	SB181-12	Soil	2	to	4		PCBs
4/23/2012	SO-17360-042312-EB-026	SB181-12	Soil	4	to	6		PCBs[1]
4/23/2012	SO-17360-042312-EB-027	SB181-12	Soil	6	to	8		PCBs[1]
4/23/2012	SO-17360-042312-EB-028	SB181-12	Soil	8	to	10		PCBs[1]
4/24/2012	S-17360-042412-EM-052	SB176-12	Soil	1.5	to	2	MS/MSD	PCBs
4/24/2012	S-17360-042412-EM-053	SB176-12	Soil	2	to	4		PCBs
4/24/2012	S-17360-042412-EM-054	SB176-12	Soil	4	to	6		PCBs[1]
4/24/2012	S-17360-042412-EM-055	SB176-12	Soil	6	to	8		PCBs[1]
4/24/2012	S-17360-042412-EM-056	SB176-12	Soil	8	to	10	MS/MSD	PCBs[1]
4/24/2012	S-17360-042412-EM-057	SB175-12	Soil	0	to	2		PCBs
4/24/2012	S-17360-042412-EM-058	SB175-12	Soil	0	to	2	Duplicate (-057)	PCBs
4/24/2012	S-17360-042412-EM-059	SB175-12	Soil	2	to	4		PCBs
4/24/2012	S-17360-042412-EM-060	SB175-12	Soil	4	to	6		PCBs[1]
4/24/2012	S-17360-042412-EM-061	SB175-12	Soil	6	to	8		PCBs[1]
4/24/2012	S-17360-042412-EM-062	SB175-12	Soil	8	to	10		PCBs[1]
4/24/2012	S-17360-042412-EM-063	SB175-12	Soil	8	to	10	Duplicate (-062)	PCBs[1]
4/24/2012	S-17360-042412-EM-064	SB174-12	Soil	0	to	2		PCBs
4/24/2012	S-17360-042412-EM-065	SB174-12	Soil	0	to	2		PCBs
4/24/2012	S-17360-042412-EM-066	SB174-12	Soil	2	to	4		PCBs
4/24/2012	S-17360-042412-EM-067	SB174-12	Soil	4	to	6		PCBs[1]
4/24/2012	S-17360-042412-EM-068	SB174-12	Soil	4	to	6	Duplicate (-067)	PCBs[1]
4/24/2012	S-17360-042412-EM-069	SB174-12	Soil	6	to	8		PCBs[1]
4/24/2012	S-17360-042412-EM-070	SB174-12	Soil	8	to	10		PCBs[1]
4/24/2012	S-17360-042412-EM-071	SB173-12	Soil	2	to	4		PCBs

Notes:

PCBs - Polychlorinated Biphenyls

QC - Quality Control

MS/MSD - Matrix Spike /Matrix Spike Duplicate

[1] - The sample was submitted to the analytical laboratory on hold, but not analyzed.

TABLE 3.2

SUMMARY OF ANAYLTICAL RESULTS FOR PCB AREA NO. 1
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location			*SB61-11*	*SB61-11*	*SB153-11*	*SB154-11*	*SB155-11*	*SB156-11*	*SB156-11*
Sample Identification		Toxic	*SO-17360-022811-DR-134*	*SO-17360-022811-DR-135*	*S-17360-092811-EM-053*	*S-17360-092811-EM-038*	*S-17360-092811-EM-048*	*S-17360-092811-EM-043*	*S-17360-092811-EM-044*
Sample Date		Substances	*2/28/2011*	*2/28/2011*	*9/28/2011*	*9/28/2011*	*9/28/2011*	*9/28/2011*	*9/28/2011*
Sample Depth		Control	*(1-3) ft BGS*	*(18-20) ft BGS*	*(1-3) ft BGS*	*(0.5-2.5) ft BGS*	*(0.5-2.5) ft BGS*	*(0.5-2.5) ft BGS*	*(2.5-4) ft BGS*
Sample Type		Act [1]							
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	ug/kg	--	2900 U	270 U	34 U	35 U	34 U	35 U	35 UJ
Aroclor-1221 (PCB-1221)	ug/kg	--	2900 U	270 U	34 U	35 U	34 U	35 U	35 UJ
Aroclor-1232 (PCB-1232)	ug/kg	--	2900 U	270 U	34 U	35 U	34 U	35 U	35 UJ
Aroclor-1242 (PCB-1242)	ug/kg	--	2900 U	270 U	34 U	35 U	34 U	35 U	35 UJ
Aroclor-1248 (PCB-1248)	ug/kg	--	2900 U	270 U	34 U	35 U	34 U	35 U	35 UJ
Aroclor-1254 (PCB-1254)	ug/kg	--	4400	270 U	34 U	35 U	34 U	35 U	35 UJ
Aroclor-1260 (PCB-1260)	ug/kg	--	2900 U	270 U	34 U	35 U	34 U	35 U	35 UJ
Total PCBs	ug/kg	1000	**4400**	ND	ND	ND	ND	ND	ND

Notes:

[1] Cleanup Level of 1 ppm for Bulk PCB Remediation Waste for High Occupancy Areas without further conditions per 40 CFR 761.61(a)(4)(i)(A)

Exceeds 1 ppm Cleanup Level

U - Not present at or above the associated value.

J - Estimated concentration.

-- Criteria not available

TABLE 3.2

SUMMARY OF ANAYLTICAL RESULTS FOR PCB AREA NO. 1
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location			*SB167-11*	*SB173-12*	*SB174-12*	*SB174-12*	*SB174-12*	*SB175-12*	*SB175-12*
Sample Identification		Toxic	*S-17360-092811-EM-058*	*S-17360-042412-EM-071*	*S-17360-042412-EM-064*	*S-17360-042412-EM-065*	*S-17360-042412-EM-066*	*S-17360-042412-EM-057*	*S-17360-042412-EM-058*
Sample Date		Substances	*9/28/2011*	*4/24/2012*	*4/24/2012*	*4/24/2012*	*4/24/2012*	*4/24/2012*	*4/24/2012*
Sample Depth		Control	*(1.5-3.5) ft BGS*	*(2-4) ft BGS*	*(0-2) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(0-2) ft BGS*	*(0-2) ft BGS*
Sample Type		Act [1]				*Duplicate*			*Duplicate*
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	ug/kg	--	35 U	360 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1221 (PCB-1221)	ug/kg	--	35 U	360 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1232 (PCB-1232)	ug/kg	--	35 U	360 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1242 (PCB-1242)	ug/kg	--	35 U	27 J	350 U	350 U	350 U	350 U	350 U
Aroclor-1248 (PCB-1248)	ug/kg	--	35 U	360 U	350 U	350 U	350 U	350 U	350 U
Aroclor-1254 (PCB-1254)	ug/kg	--	35 U	180 J	350 U	350 U	350 U	350 U	350 U
Aroclor-1260 (PCB-1260)	ug/kg	--	35 U	130 J	350 U	350 U	350 U	350 U	350 U
Total PCBs	ug/kg	1000	ND	337 J	ND	ND	ND	ND	ND

Notes:

[1] Cleanup Level of 1 ppm for Bulk PCB Remediation Waste for High Occupancy Areas without further conditions per 40 CFR 761.61(a)(4)(i)(A)

: Exceeds 1 ppm Cleanup Level

U - Not present at or above the associated value.

J - Estimated concentration.

-- Criteria not available

TABLE 3.2

SUMMARY OF ANAYLTICAL RESULTS FOR PCB AREA NO. 1
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location			*SB175-12*	*SB176-12*	*SB176-12*
Sample Identification		Toxic	*S-17360-042412-EM-059*	*S-17360-042412-EM-052*	*S-17360-042412-EM-053*
Sample Date		Substances	*4/24/2012*	*4/24/2012*	*4/24/2012*
Sample Depth		Control	*(2-4) ft BGS*	*(1.5-2) ft BGS*	*(2-4) ft BGS*
Sample Type		Act [1]			
	Units				
PCBs					
Aroclor-1016 (PCB-1016)	ug/kg	--	340 U	350 U	350 U
Aroclor-1221 (PCB-1221)	ug/kg	--	340 U	350 U	350 U
Aroclor-1232 (PCB-1232)	ug/kg	--	340 U	350 U	350 U
Aroclor-1242 (PCB-1242)	ug/kg	--	340 U	14 J	350 U
Aroclor-1248 (PCB-1248)	ug/kg	--	340 U	350 U	350 U
Aroclor-1254 (PCB-1254)	ug/kg	--	340 U	350 U	350 U
Aroclor-1260 (PCB-1260)	ug/kg	--	340 U	51 J	24 J
Total PCBs	ug/kg	1000	ND	65 J	24 J

Notes:

[1] Cleanup Level of 1 ppm for Bulk PCB Remediation Waste for High Occupancy Areas without further conditions per 40 CFR 761.61(a)(4)(i)(A)

: Exceeds 1 ppm Cleanup Level

U - Not present at or above the associated value.

J - Estimated concentration.

-- Criteria not available

TABLE 3.3

SUMMARY OF ANALYTICAL RESULTS FOR PCB AREA NO. 2
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location			*SB124-11*	*SB124-11*	*SB157-11*	*SB158-11*	*SB159-11*	*SB159-11*	*SB159-11*
Sample Identification		Toxic	*SO-17360-022111-DR-105*	*SO-17360-022111-DR-106*	*S-17360-092711-EM-029*	*S-17360-092711-EM-014*	*S-17360-092711-EM-009*	*S-17360-092711-EM-010*	*S-17360-092711-EM-011*
Sample Date		Substances	*2/21/2011*	*2/21/2011*	*9/27/2011*	*9/27/2011*	*9/27/2011*	*9/27/2011*	*9/27/2011*
Sample Depth		Control	*(1-3) ft BGS*	*(17-19) ft BGS*	*(0.7-2.7) ft BGS*	*(0.5-2.5) ft BGS*	*(0.6-2.6) ft BGS*	*(2.6-4) ft BGS*	*(4-6) ft BGS*
Sample Type		Act [1]							
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	ug/kg	--	340 U	270 U	34 U	33 U	170 U	34 U	34 U
Aroclor-1221 (PCB-1221)	ug/kg	--	340 U	270 U	34 U	33 U	170 U	34 U	34 U
Aroclor-1232 (PCB-1232)	ug/kg	--	340 U	270 U	34 U	33 U	170 U	34 U	34 U
Aroclor-1242 (PCB-1242)	ug/kg	--	340 U	270 U	34 U	33 U	170 U	34 U	34 U
Aroclor-1248 (PCB-1248)	ug/kg	--	340 U	270 U	34 U	33 U	170 U	34 U	34 U
Aroclor-1254 (PCB-1254)	ug/kg	--	1300	270 U	34 U	33 U	1100	34 U	34 U
Aroclor-1260 (PCB-1260)	ug/kg	--	340 U	270 U	34 U	33 U	170 U	34 U	34 U
Total PCBs	ug/kg	1000	**1300**	ND	ND	ND	**1100**	ND	ND

Notes:

Notes:

[1] Cleanup Level of 1 ppm for Bulk PCB Remediation Waste for High Occupancy Areas without further conditions per 40 CFR 761.61(a)(4)(i)(A)

Exceeds 1 ppm Cleanup Level

U - Not present at or above the associated value.

J - Estimated concentration.

-- Criteria not available

TABLE 3.3

SUMMARY OF ANALYTICAL RESULTS FOR PCB AREA NO. 2
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location			*SB160-11*	*SB160-11*	*SB161-11*	*SB181-12*	*SB181-12*	*SB184-12*	*SB184-12*
Sample Identification		Toxic	*S-17360-092711-EM-024*	*S-17360-092711-EM-025*	*S-17360-092711-EM-019*	*SO-17360-042312-EB-024*	*SO-17360-042312-EB-025*	*SO-17360-042312-EB-013*	*SO-17360-042312-EB-014*
Sample Date		Substances	*9/27/2011*	*9/27/2011*	*9/27/2011*	*4/23/2012*	*4/23/2012*	*4/23/2012*	*4/23/2012*
Sample Depth		Control	*(0.5-2.5) ft BGS*	*(2.5-4) ft BGS*	*(0.5-2.5) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Type		Act [1]							
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	ug/kg	--	34 U	34 U	34 U	350 U	340 U	350 U	340 U
Aroclor-1221 (PCB-1221)	ug/kg	--	34 U	34 U	34 U	350 U	340 U	350 U	340 U
Aroclor-1232 (PCB-1232)	ug/kg	--	34 U	34 U	34 U	350 U	340 U	350 U	340 U
Aroclor-1242 (PCB-1242)	ug/kg	--	34 U	34 U	34 U	350 U	340 U	350 U	340 U
Aroclor-1248 (PCB-1248)	ug/kg	--	34 U	34 U	34 U	350 U	340 U	350 U	340 U
Aroclor-1254 (PCB-1254)	ug/kg	--	34 U	34 U	34 U	350 U	340 U	350 U	340 U
Aroclor-1260 (PCB-1260)	ug/kg	--	34 U	34 U	34 U	350 U	5.4 J	350 U	340 U
Total PCBs	ug/kg	1000	ND	ND	ND	ND	5.4 J	ND	ND

Notes:

Notes:

[1] Cleanup Level of 1 ppm for Bulk PCB Remediation Wa
for High Occupancy Areas without further conditions pe
40 CFR 761.61(a)(4)(i)(A)

Exceeds 1 ppm Cleanup Level

U - Not present at or above the associated value.

J - Estimated concentration.

-- Criteria not available

TABLE 3.3

SUMMARY OF ANALYTICAL RESULTS FOR PCB AREA NO. 2
SELF IMPLEMENTING PLAN
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location			*SB185-12*	*SB185-12*	*SB186-12*	*SB186-12*	*SB186-12*	*SB187-12*	*SB187-12*
Sample Identification		Toxic	*SO-17360-042312-EB-008*	*SO-17360-042312-EB-009*	*SO-17360-042312-EB-001*	*SO-17360-042312-EB-002*	*SO-17360-042312-EB-003*	*SO-17360-042312-EB-019*	*SO-17360-042312-EB-020*
Sample Date		Substances	*4/23/2012*	*4/23/2012*	*4/23/2012*	*4/23/2012*	*4/23/2012*	*4/23/2012*	*4/23/2012*
Sample Depth		Control	*(0-2) ft BGS*	*(2-4) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(2-4) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Type		Act [1]					*Duplicate*		
	Units								
PCBs									
Aroclor-1016 (PCB-1016)	ug/kg	--	350 U	350 U	1800 U	360 U	360 U	350 U	340 U
Aroclor-1221 (PCB-1221)	ug/kg	--	350 U	350 U	1800 U	360 U	360 U	350 U	340 U
Aroclor-1232 (PCB-1232)	ug/kg	--	350 U	350 U	1800 U	360 U	360 U	350 U	340 U
Aroclor-1242 (PCB-1242)	ug/kg	--	350 U	350 U	1800 U	360 U	360 U	350 U	340 U
Aroclor-1248 (PCB-1248)	ug/kg	--	350 U	350 U	1800 U	360 U	360 U	350 U	340 U
Aroclor-1254 (PCB-1254)	ug/kg	--	350 U	350 U	110 J	50 J	47 J	150 J	340 U
Aroclor-1260 (PCB-1260)	ug/kg	--	350 U	350 U	1800 U	360 U	360 U	350 U	340 U
Total PCBs	ug/kg	1000	ND	ND	110 J	50 J	47 J	150 J	ND

Notes:

Notes:

[1] Cleanup Level of 1 ppm for Bulk PCB Remediation Wa
for High Occupancy Areas without further conditions pe
40 CFR 761.61(a)(4)(i)(A)

Exceeds 1 ppm Cleanup Level

U - Not present at or above the associated value.

J - Estimated concentration.

-- Criteria not available

APPENDIX A

STRATIGRAPHIC SOIL BORING LOGS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB124-11
DATE COMPLETED: February 21, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 510664.87
EASTING: 12773559.48

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.07						
0	CONCRETE	680.27						0.1
2	SP-SAND (FILL), trace silt and fine gravel, compact, fine to coarse grained, poorly graded, brown, moist - fine grained, light brown at 3.0ft BGS			1-3' -105 1MC		80		0.2
4			BACKFILLED WITH BENTONITE CHIPS					
6								0.2
8				2MC		85		0.2
10	SP-SAND (native), trace fine gravel, compact, fine to coarse grained, poorly graded, medium brown, moist - light brown at 9.5ft BGS	672.07						0.3
12	- with fine to coarse gravel at 10.0ft BGS	669.07		3MC		70		
14	SP/GP-SAND AND GRAVEL, compact, fine to coarse sand, fine gravel, poorly graded, medium brown, moist	666.07						0.2
16	SP-SAND, with fine to coarse gravel, compact, fine to coarse grained, poorly graded, light brown, moist - trace fine gravel at 16.0ft BGS							0.2
18				4MC 17-19' -106		70		0.2
20	- fine grained, no gravel, wet at 19.5ft BGS - with fine to coarse gravel, fine to coarse grained at 20.0ft BGS							
22	- trace fine gravel, fine to medium grained, trace coarse grained at 21.0ft BGS							
24								
26	END OF BOREHOLE @ 25.0ft BGS	656.07						
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/2/11

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB61-11
DATE COMPLETED: February 28, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 511113.56
EASTING: 12773581.31
GROUND SURFACE 681.06

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
	WOOD BLOCK FLOOR	680.86
	CONCRETE	680.36
2	SP-SAND (FILL), trace silt, compact, fine grained, poorly graded, brown, moist - trace fine gravel, dark brown at 1.9ft BGS	
4	- orange brown at 3.0ft BGS	
6	- light brown at 6.0ft BGS	
8	- fine to medium grained, trace coarse grained, brown at 8.1ft BGS	
10		
12	SP-SAND (native), trace fine gravel, compact, fine to medium grained, trace coarse grained, poorly graded, tan/beige, moist	669.56
14	- with fine gravel at 13.5ft BGS	
16	- fine grained, trace medium to coarse grained at 16.1ft BGS	
18	- fine to medium grained, trace coarse grained, trace fine to coarse gravel at 17.3ft BGS - with fine gravel, fine to coarse grained at 18.4ft BGS	
20	- trace fine gravel at 18.9ft BGS - wet at 20.0ft BGS	
22	SM-SAND, some silt, compact, fine grained, poorly graded, brown, wet	658.76
24	SP-SAND, trace silt, with fine gravel, compact, fine to coarse grained, poorly graded, brown, wet	657.16 656.06
26	END OF BOREHOLE @ 25.0ft BGS	
28	NOTE: ABANDONED FOLLOWING SAMPLE COLLECTION AND BACKFILLED WITH BENTONITE CHIPS	
30		
32		
34		

TEMP MONITORING WELL

WELL DETAILS
Screened interval:
661.06 to 656.06ft
20.00 to 25.00ft BGS
Length: 5ft

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
1-3' -134				0.2
1MC		85		0.2
				0.2
2MC		75		0.2
				0.2
3MC		70		0.3
				0.5
4MC		90		0.5
18-20' -135				0.4
5MC		80		0.5

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (1-3' -134, 18-20' -135)

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/2/11

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB153-11
DATE COMPLETED: September 28, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511113.46
EASTING: 12773571.84
GROUND SURFACE 681.08

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0	CONCRETE	680.28						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, brown, moist - light tan at 2.9ft BGS - dark brown at 3.5ft BGS - orange brown at 4.4ft BGS		BACKFILLED WITH BENTONITE CHIPS	1-3' -053 1GP		60		0.1
4				3-5' -054				2.0
6				5-7' -055				0.0
8				2GP 7-9' -056		65		0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.08		9-10' -057				
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB154-11
DATE COMPLETED: September 28, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511123.58
EASTING: 12773581.62
GROUND SURFACE 681.06

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.56						
2	SP-SAND, trace silt and fine gravel, compact, fine grained, poorly graded, orange brown, moist			0.5-2.5' -038				0.0
				1GP		50		
4	- brown from 3.5 to 3.9ft BGS			2.5-4' -039				0.0
			BACKFILLED WITH BENTONITE CHIPS	4-6' -040				
6								0.0
				6-8' -041 2GP		60		
8								
	- with medium gravel at 9.1ft BGS			8-10' -042				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.06						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB155-11
DATE COMPLETED: September 28, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511102.95
EASTING: 12773581.65

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.03						
0	CONCRETE	680.53						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, light brown, moist			0.5-2.5' -048				0.0
				1GP		50		
4	- orange brown from 3.9 to 4.0ft BGS - orange brown at 4.1ft BGS			2.5-4' -049				0.1
			BACKFILLED WITH BENTONITE CHIPS	4-6' -050				
6								0.0
				6-8' -051				
8				2GP		70		
				8-10' -052				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.03						
12								
14								
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32								
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB156-11
DATE COMPLETED: September 28, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511112.63
EASTING: 12773581.4

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.04						
0	CONCRETE	680.54						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, brown, moist			0.5-2.5' -043				1.2
				1GP		50		
4	- orange brown at 3.8ft BGS			2.5-4' -044				0.0
			BACKFILLED WITH BENTONITE CHIPS	4-6' -045				
6								0.0
				6-8' -046				
8				2GP		70		
				8-10' -047				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.04						
12								
14								
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB157-11
DATE COMPLETED: September 27, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510674.12
EASTING: 12773559.28

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.07						
0	CONCRETE	680.37						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, orange brown, moist			0.7-2.7' -029 1GP		50		0.0
4	- few medium gravel from 4.0 to 4.5ft BGS			2.7-5' -030				0.0
6			BACKFILLED WITH BENTONITE CHIPS	2GP 5-7' -031		60		0.0
7	- REFUSAL at 7.0ft BGS	674.07						
8	END OF BOREHOLE @ 7.0ft BGS							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB158-11
DATE COMPLETED: September 27, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510654.99
EASTING: 12773560.11

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.04						
0	CONCRETE	680.54						
0	SP-SAND, trace silt, compact, fine grained, poorly graded, orange brown, moist			0.5-2.5' -014				0.0
2				1GP 2.5-4' -015		60		0.0
4	- black, potential fly-ash, lightweight from 3.5 to 3.7ft BGS		BACKFILLED WITH BENTONITE CHIPS	4-6' -016				0.0
6				6-8' -017 2GP		70		0.0
8				8-10' -018				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.04						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB159-11
DATE COMPLETED: September 27, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510664.63
EASTING: 12773549.59

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.05						
0	CONCRETE	680.45						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, light brown, moist - rock debris from 2.1 to 2.3ft BGS			0.6-2.6' -009 1GP 2.6-4' -010		70		0.0 0.0
4	- trace fine gravel from 4.1 to 4.4ft BGS		BACKFILLED WITH BENTONITE CHIPS	4-6' -011				0.0
6				6-8' -012 2GP		60		0.0
8				8-10' -013				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.05						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB160-11
DATE COMPLETED: September 27, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510664.8
EASTING: 12773559.48

GROUND SURFACE 681.04

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.54						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, orange brown, moist			0.5-2.5' -024				0.0
				1GP		70		
4	- black, potential fly-ash, lightweight from 3.5 to 3.6ft BGS			2.5-4' -025				0.0
			BACKFILLED WITH BENTONITE CHIPS	4-6' -026				
6								0.0
				6-8' -027 2GP		65		
8								0.0
				8-10' -028				
10	END OF BOREHOLE @ 10.0ft BGS	671.04						
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34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB161-11
DATE COMPLETED: September 27, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510664.98
EASTING: 12773570.64
GROUND SURFACE ELEV. ft: 681.09

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.59						
2	SP-SAND, trace silt, compact, fine grained, poorly graded, orange brown, moist			0.5-2.5' -019				0.0
				1GP		75		
4	- black, potential fly-ash, lightweight from 3.5 to 3.7ft BGS			2.5-4' -020				0.0
			BACKFILLED WITH BENTONITE CHIPS	4-6' -021				
6								0.0
				6-8' -022 2GP		80		
8								
				8-10' -023				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.09						
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34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB173-12
DATE COMPLETED: April 24, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. MICKELSON

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	NORTHING: 511103.6 EASTING: 12773588.4 GROUND SURFACE	681.10						
0	CONCRETE							0.0
2	SP-SAND, trace fine gravel and silt, compact fine grained, poorly graded, dark brown, moist	679.60	BACKFILLED WITH BENTONITE CHIPS	1RS (2-4' -071)				
4	- REFUSAL at 4.0ft BGS END OF BOREHOLE @ 4.0ft BGS	677.10						0.0
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8								
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB174-12
DATE COMPLETED: April 24, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511103.5
EASTING: 12773571.3
GROUND SURFACE 680.80

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.30		0-2' -064/ 065				0.0
2	SP-SAND, trace fine gravel and silt, compact, fine grained, poorly graded, brown, moist - 1" thick piece of slag at 1.8ft BGS		BACKFILLED WITH BENTONITE CHIPS	1RS 2-4' -066				0.0
4	- no gravel, light brown at 4.7ft BGS			4-6' -067/ 068				0.0
6				6-8' -069 2RS				0.0
8	- with fine gravel at 9.3ft BGS			8-10' -070				
10	END OF BOREHOLE @ 10.0ft BGS	670.80						
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14								
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB175-12
DATE COMPLETED: April 24, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511123.6
EASTING: 12773571.3

GROUND SURFACE 681.00

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.50	BACKFILLED WITH BENTONITE CHIPS	0-2' -057/ 058				0.0
2	SP-SAND, trace fine gravel and silt, compact, fine grained, poorly graded, brown, moist			1RS 2-4' -059				
4	- no gravel, light brown at 4.0ft BGS			4-6' -060				0.0
6				6-8' -061 2RS				0.0
8				8-10' -062/ 063				0.0
10	- trace gravel, brown at 9.8ft BGS	671.00						
	END OF BOREHOLE @ 10.0ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB176-12
DATE COMPLETED: April 24, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. MICKELSON

NORTHING: 511123.5
EASTING: 12773591.3

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.40						
0	CONCRETE							
		679.90						0.0
2	SP-SAND, with fine gravel, trace silt, compact, fine grained, poorly graded, brown, moist - shards of glass at 2.8ft BGS		BACKFILLED WITH BENTONITE CHIPS	1.5-2' -052 1RS 2-4' -053				0.0
4				4-6' -054				0.0
6	- 0.03" small black slag seam at 7.2ft BGS			6-8' -055 2RS				0.0
8				8-10' -056				0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.40						
12								
14								
16								
18								
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26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB181-12
DATE COMPLETED: April 23, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510654.8
EASTING: 12773569.5

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.00						
0	CONCRETE	680.50		0-2' -024				0.1
2	SP-SAND, trace fine gravel, compact, fine grained, poorly graded, dark brown, moist - trace cinders and coarse gravel at 2.0ft BGS		BACKFILLED WITH BENTONITE CHIPS	1DP 2-4' -025		75		0.2
4	- 6" layer of slag, cinders, coal fragments, black at 3.6ft BGS - light brown at 4.0ft BGS			4-6' -026				0.3
6				6-8' -027 2DP		60		0.1
8				8-10' -028				0.2
10	- trace silt at 9.5ft BGS END OF BOREHOLE @ 10.0ft BGS	671.00						
12								
14								
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34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB184-12
DATE COMPLETED: April 23, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510664.8
EASTING: 12773539.5
GROUND SURFACE ELEV. ft: 681.00

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	CONCRETE	680.50
2	SP-SAND, trace fine gravel, compact, fine grained, poorly graded, brown, moist - dark brown at 2.5ft BGS	
4	- trace coarse gravel, light brown at 3.5ft BGS - 2.5" seam of slag, cinders, coal fragments, black at 4.0ft BGS	
6		
8	- trace silt at 7.5ft BGS	
10	END OF BOREHOLE @ 10.0ft BGS	671.00
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14		
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18		
20		
22		
24		
26		
28		
30		
32		
34		

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -013				0.1
1DP 2-4' -014		60		0.1
4-6' -015				0.7
6-8' -016/ 017' 2DP		75		0.3
8-10' -018				0.2

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB185-12
DATE COMPLETED: April 23, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510674.8
EASTING: 12773539.4
GROUND SURFACE ELEV. ft: 681.10

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.60		0-2' -008				0.2
2	SP-SAND, trace fine and coarse gravel, compact, fine grained, poorly graded, brown, moist		BACKFILLED WITH BENTONITE CHIPS	1DP 2-4' -009		60		0.2
4	- trace coal fragments at 3.0ft BGS - light brown at 4.0ft BGS			4-6' -010				0.1
6	- brown at 5.0ft BGS - trace cinders, slag, coal fragments at 6.0ft BGS			6-8' -011 2DP		75		0.8
8	- trace silt, light brown at 6.5ft BGS			8-10' -012				0.3
10	END OF BOREHOLE @ 10.0ft BGS	671.10						
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14								
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24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB186-12
DATE COMPLETED: April 23, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510674.8
EASTING: 12773549.4

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	681.00						
0	CONCRETE	680.50		0-2' -001				0.2
2	SP-SAND, fine and coarse gravel, compact, poorly graded, brown, moist		BACKFILLED WITH BENTONITE CHIPS	1DP 2-4' -002/ 003		25		0.3
4	- dark brown from 4.5 to 5.0ft BGS			4-6' -004/ 005				0.7
6				6-8' -006 2DP		25		0.4
8	- trace coal fragments, dark brown and black coal smears, possible fly ash at 7.5ft BGS - light brown at 8.0ft BGS			8-10' -007				0.1
10	END OF BOREHOLE @ 10.0ft BGS	671.00						
12								
14								
16								
18								
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28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB187-12
DATE COMPLETED: April 23, 2012
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510674.8
EASTING: 12773569.5

GROUND SURFACE 681.00

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	680.50		0-2' -019				0.2
2	SP-SAND, trace fine gravel, compact, fine grained, poorly graded, brown, moist - trace cinders and slag at 2.5ft BGS - 1" seam of black slag, coal fragments and cinders at 3.0ft BGS - 3" seam of black slag, coal fragments and cinders at 3.5ft BGS - light brown at 3.7ft BGS - brown at 5.0ft BGS		BACKFILLED WITH BENTONITE CHIPS	1DP 2-4' -020		85		0.5
4				4-6' -021				0.3
6								
8				6-8' -022 2DP		50		0.0
10	END OF BOREHOLE @ 10.0ft BGS	671.00		8-10' -023				0.1
12								
14								
16								
18								
20								
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24								
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28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/1/12

APPENDIX B

WASTE DISPOSAL DOCUMENTATION

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST | 1. Generator's US EPA ID No. | Manifest Doc No. | 2. Page 1 of 1

3. Generator's Mailing Address:
RACER TRUST
300 36TH STREET SW
GRAND RAPIDS, MI 49548

4. Generator's Phone 217-741-6235

Generator's Site Address (If different than mailing):
RACER TRUST
300 36TH STREET SW
GRAND RAPIDS, MI 49548
KENT COUNTY

A. Manifest Number WMNA T 69636

B. State Generator's ID

5. Transporter 1 Company Name Cordes #293

6. US EPA ID Number

C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Autumn Hills Landfill
700 56th Ave
Zeeland, MI 49464

10. US EPA ID Number

G. State Facility ID
H. State Facility Phone 616-688-5777

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB Impacted Soils WM Profile # 110321MI	1	Truck	45649	Kg	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Color: Brown to grey, No Odor, Solid
OSD 8/22/12
Load 001

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 40-4048767 EMERGENCY CONTACT / PHONE NO.: James VanAssche/ 734-453-5123

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Earl Batenburg	RACER TRUST	8	22	12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Rick Simons		8	22	12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Barb VanDam		8	22	12

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
RACER TRUST
300 36TH STREET SW
GRAND RAPIDS, MI 49548
4. Generator's Phone 217-741-6235

Generator's Site Address (If different than mailing):
RACER TRUST
300 36TH STREET SW
GRAND RAPIDS, MI 49548
KENT COUNTY

A. Manifest Number: WMNA T 69615
B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Cordes F293		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
Autumn Hills Landfill 700 56th Ave Zeeland, MI 49464		H. State Facility Phone 616-688-5777

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB Impacted Soils	1	Truck	40633	Kg	
WM Profile # 110321MI					
b.					
WM Profile #					
c.					
WM Profile #					
d.					
WM Profile #					

J. Additional Descriptions for Materials Listed Above
Color: Brown to grey, No Odor, Solid
OSD 8/22/12
Load 003

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 40-4048767 EMERGENCY CONTACT / PHONE NO.: James VanAssche/ 734-453-5123

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Earl Batenburg	RACER TRUST	8	22	12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year
Rick Simons		8	22	12
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Barb VanDam		8	22	12

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY Blue- GENERATOR #2 COPY Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. Manifest Doc No.

2. Page 1 of

A. Manifest Number WMNA T 69635

B. State Generator's ID

GENERATOR

3. Generator's Mailing Address:
RACER TRUST
300 36TH STREET SW
GRAND RAPIDS, MI 49548

4. Generator's Phone 217-741-6235

Generator's Site Address (If different than mailing):
RACER TRUST
300 36TH STREET SW
GRAND RAPIDS, MI 49548
KENT COUNTY

5. Transporter 1 Company Name: Cordes

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Autumn Hills Landfill
700 56th Ave
Zeeland, MI 49464

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 616-688-5777

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB Impacted Soils WM Profile # 110321MI	1	Truck	49124	Kg	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Color: Brown to grey, No Odor, Solid
CRD 8/22/12
LOAD 002

K. Disposal Location

Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 40-4048767 EMERGENCY CONTACT / PHONE NO.: James VanAssche/ 734-453-5123

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Earl Baterbury	RACER TRUST	8	22	12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Al Rook		8	22	12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed Name	Signature	Month	Day	Year
Barb VanDam		8	22	12

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY Blue- GENERATOR #2 COPY Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY

Customer Summary Report
Criteria: 08/08/2012 12:00 AM to 09/05/2012 11:59 PM
Business Unit Name: Autumn Hills Landfill - S03730 (USA)
Date: Sep 05 2012, 1:42:30 PM - Central Standard Time
Profile: 110321MI

Ticket Date	Ticket ID	Customer	Generator	Manifest	Truck	Material
8/22/2012	360567	CRA	129-RACERTRUST300	T69636	CON293-15	Cont Soil Sp. W.-Tons
8/22/2012	360582	CRA	129-RACERTRUST300	t69635	CON101-53	Cont Soil Sp. W.-Tons
8/22/2012	360603	CRA	129-RACERTRUST300	T69615	CON293-15	Cont Soil Sp. W.-Tons
Material Total	3					

Origin	Rate	Rate Unit	Rate Qty	Yards	Tons	Material Revenue	Tax Revenue	Surcharge Revenue	Total
MI-KENT	$13.00	TON	56.19	40	56.19	$730.47	$0.00	$386.96	$1,117.43
MI-KENT	$13.00	TON	60.98	40	60.98	$792.74	$0.00	$418.66	$1,211.40
MI-KENT	$13.00	TON	50.01	40	50.01	$650.13	$0.00	$346.07	$996.20
			167.18	120	167.18	$2,173.34	$0.00	$1,151.69	$3,325.03

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST | 1. Generator's US EPA ID No. | Manifest Doc No. | 2. Page 1 of 1

3. Generator's Mailing Address:
RACER TRUST
~~300 36TH STREET SW~~ 2930 Ecorse Rd
~~GRAND RAPIDS, MI 49548~~ Ypsilanti, MI 48198
4. Generator's Phone 217-741-6235

Generator's Site Address (If different than mailing):
RACER TRUST
300 36TH STREET SW
GRAND RAPIDS, MI 49548
KENT COUNTY

A. Manifest Number: WMNA T 69617
B. State Generator's ID

5. Transporter 1 Company Name: ER 21 K+D Industrial Services
6. US EPA ID Number: MID 072790 710
C. State Transporter's ID: mi-275
D. Transporter's Phone: 616-784-8900

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Autumn Hills Landfill
700 56th Ave
Zeeland, MI 49464
10. US EPA ID Number
G. State Facility ID
H. State Facility Phone 616-688-5777

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PCB Impacted Soils	1	DM	363	Kg	(55 gal)
WM Profile # 110321MI					
b.					
WM Profile #					
c.					
WM Profile #					
d.					
WM Profile #					

J. Additional Descriptions for Materials Listed Above
Color: Brown to grey, No Odor, Solid
O.S.D. 4/12/13
Load 001

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order # ~~40-4048767~~ EB 40-4057407
EMERGENCY CONTACT / PHONE NO.: ~~James VanAssche/ 734-453-5123~~

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name: Earl Batenburg | Signature "On behalf of" RACER TRUST | Month 4 | Day 12 | Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed Name: Kevin Simpson | Signature | Month 4 | Day 12 | Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed Name | Signature | Month | Day | Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest
Printed Name: Barb VanDam | Signature: B VanDam | Month 4 | Day 12 | Year 13

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY | Blue- GENERATOR #2 COPY | Yellow- GENERATOR #1 COPY
Pink FACILITY USE ONLY | Gold TRANSPORTER #1 COPY

Appendix C

Stratigraphic Soil Boring Logs

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB100-11
DATE COMPLETED: March 15, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 510516.94
EASTING: 12772958.34
GROUND SURFACE ELEV. 676.90 ft

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	676.40		0.5-2.5' -243				0.0
2	SP-SAND (FILL), trace fine gravel, compact, fine grained, trace medium to coarse grained, poorly graded, brown, moist - orange brown at 2.0ft BGS			1MC		65		
4								0.0
6	- brown at 6.0ft BGS		BACKFILLED WITH BENTONITE CHIPS					0.0
8				2MC		70		
10	SP-SAND (native), with fine to coarse gravel, compact, fine to coarse grained, poorly graded, light brown, moist	666.90		8-10' -244				0.0
12				3MC		70		0.0
14	- wet at 14.2ft BGS							0.0
15	END OF BOREHOLE @ 15.0ft BGS	661.90						
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB109-11
DATE COMPLETED: March 14, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512069.07
EASTING: 12772792.33

GROUND SURFACE 672.10

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	ASPHALT	671.80
	FILL-SILTY SAND AND SLAG DEBRIS, compact, fine sand, slag is sand to coarse gravel size, dark brown to black, moist	670.30
2	SP-SAND (FILL), compact, fine grained, poorly graded, yellow brown, moist	
4		
6	PT-PEAT (native), trace woody material, soft to firm, dark brown to black, moist	666.60
8	SP-SAND (native), compact, fine to coarse grained, poorly graded, brown, moist	664.60
10	END OF BOREHOLE @ 10.0ft BGS	662.10
12		
14		
16		
18		
20		
22		
24		
26		
28		
30		
32		
34		

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -227				0.0
1MC		50		
2-4' -228				0.0
4-6' -229				
6-8' -230				0.0
2MC		65		
8-10' -231 -232				0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/2/11

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB110-11
DATE COMPLETED: March 14, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512107.84
EASTING: 12772789.05

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	671.73						
0	ASPHALT	671.43		0-2' -233				0.0
2	SP-SAND (FILL), with fine gravel, compact, fine grained, poorly graded, brown, moist	670.53						
	- trace fine gravel at 0.5ft BGS	669.73		1MC 2-4' -234		60	50	0.0
4	FILL-SILTY SAND AND SLAG DEBRIS, compact, fine sand, slag is sand to coarse gravel size, dark brown to black, moist							
6	SP-SAND (FILL), compact, fine grained, poorly graded, yellow brown, moist	666.73	BACKFILLED WITH BENTONITE CHIPS	4-6' -235				0.0
	PT-PEAT (native), trace woody material, soft to firm, dark brown to black, moist			6-8' -236				
8	SP-SAND (native), compact, fine to coarse grained, poorly graded, brown, moist	664.23		2MC		60	65	0.0
10	END OF BOREHOLE @ 10.0ft BGS	661.73		8-10' -237				
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/2/11

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

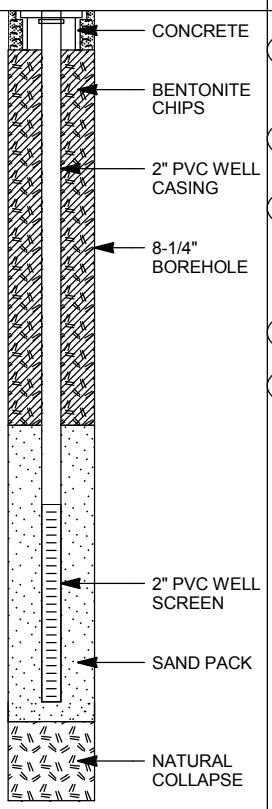
PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB111-11/MW27-11
DATE COMPLETED: March 14, 2011
DRILLING METHOD: DIRECT PUSH/HSA
FIELD PERSONNEL: D. RIVERS

NORTHING: 512134.67
EASTING: 12772787.4

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
	GROUND SURFACE	671.71
0	ASPHALT	671.41
2	FILL-SILTY SAND AND SLAG DEBRIS, compact, fine sand, slag is sand to coarse gravel size, dark brown to black, moist	669.21
4	BRICK DEBRIS (FILL), sand to coarse gravel size, yellow, moist, trace slag debris	667.21
6	WHITE DEBRIS (FILL), porous, light, pumice-like sand to coarse gravel size, white, moist	665.71
8	PT-PEAT (native), trace woody material, soft to firm, dark brown to black, moist	663.21
10	SP-SAND (native), compact, fine to coarse grained, poorly graded, brown, moist	
12		
14	- wet at 14.2ft BGS	
16		
18		
20	END OF BOREHOLE @ 20.0ft BGS	651.71
22		
24		
26		
28		
30		
32		
34		

MONITORING WELL



WELL DETAILS
Screened interval:
659.21 to 654.21ft
12.50 to 17.50ft BGS
Length: 5ft
Diameter: 2in
Slot Size: 0.010
Material: PVC
Seal:
670.71 to 661.21ft
1.00 to 10.50ft BGS
Material: BENTONITE CHIPS
Sand Pack:
661.21 to 653.71ft
10.50 to 18.00ft BGS
Material: SAND PACK

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -238				0.0
1MC 2-4' -239		60		0.0
4-6' -240				0.0
2MC 6-8' -241		65		0.0
8-10' -242				0.0
3MC		70		0.0
				0.0
4MC		60		0.0
				0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 6/2/11

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB146-11
DATE COMPLETED: September 30, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 512167.37
EASTING: 12772807.05

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	672.13						
0	ASPHALT	671.93		0-2' -146				0.0
2	MIX OF POTENTIAL FLY-ASH AND BLACK SLAG (FILL)			1GP 2-4' -147		60		0.0
4	SP-SAND (FILL), trace silt, compact, fine grained, poorly graded, orange brown, moist - rock debris at 4.3ft BGS	668.53	BACKFILLED WITH BENTONITE CHIPS	4-6' -148				0.0
6				6-8' -149 2GP		50		0.0
8	- black, potential fly-ash from 7.7 to 7.8ft BGS - concrete debris from 8.0 to 8.5ft BGS	663.63		8-10' -150				0.0
10	PT-PEAT, black - tan, putty-like substance at 9.5ft BGS	662.73						
12	SP-SAND, fine grained	662.13						
14	END OF BOREHOLE @ 10.0ft BGS							
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB147-11
DATE COMPLETED: September 30, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 512154.28
EASTING: 12772779.57

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	671.45						
0	ASPHALT	671.05		0-2' -141				0.0
2	MIX OF POTENTIAL FLY-ASH AND BLACK SLAG (FILL)			1GP 2-4' -142		40		0.0
4	SP-SAND (FILL), trace silt, compact, fine grained, poorly graded, orange brown, moist - black to red brick debris from 4.2 to 9.3ft BGS	668.25	BACKFILLED WITH BENTONITE CHIPS	4-6' -143				0.0
6				6-8' -144 2GP		60		0.0
8	PT-PEAT, black	663.05		8-10' -155				0.0
10	PUTTY SUBSTANCE, tan END OF BOREHOLE @ 10.0ft BGS	661.85 661.45						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB148-11
DATE COMPLETED: September 30, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 512118.2
EASTING: 12772781.61

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	671.39						
0	ASPHALT	671.29		0-2' -136				0.0
2	SP-SAND (FILL), trace silt, compact, fine grained, poorly graded, orange brown, moist			1GP 2-4' -137		50		0.0
4	SLAG DEBRIS (FILL), mix of red brick and black slag	667.39						
6	SP-SAND, trace silt, compact, fine grained, poorly graded, orange brown, wet	666.39	BACKFILLED WITH BENTONITE CHIPS	4-6' -138				0.0
8	PT-PEAT, black	663.69		6-8' -139 2GP		50		
10	SP-SAND, trace silt, compact, fine grained, poorly graded, light tan, wet	662.69		8-10' -140				0.0
	END OF BOREHOLE @ 10.0ft BGS	661.39						

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ⬭

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB149-11
DATE COMPLETED: September 30, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 512084.49
EASTING: 12772782.26

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	671.63						
0	TOPSOIL	671.43		0-2' -131				0.0
2	SP-SAND, trace silt and fine gravel, compact, fine grained, poorly graded, orange brown, moist			1GP 2-4' -132		50		0.0
4			BACKFILLED WITH BENTONITE CHIPS	4-6' -133				0.0
6				6-8' -134 2GP		60		
8	PT-PEAT, black	664.83		8-10' -135				0.0
10	SP-SAND, trace silt and fine gravel, compact, fine grained, poorly graded, orange brown, moist	663.83						
12	- fine to medium grained sand, few fine gravel, light tan at 8.9ft BGS	661.63						
14	END OF BOREHOLE @ 10.0ft BGS							
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB150-11
DATE COMPLETED: September 30, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 512045.89
EASTING: 12772782.08

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	671.63						
0	TOPSOIL	671.43		0-2' -126				0.0
2	SP-SAND, trace silt and fine gravel, compact, fine gravel, poorly graded, orange brown			1GP 2-4' -127		50		0.0
4			BACKFILLED WITH BENTONITE CHIPS	4-6' -128				0.0
6				6-8' -129 2GP		50		
8	- dark gray, damp, roots, silty from 8.5 to 8.8ft BGS	662.83		8-10' -130				0.0
10	PT-PEAT, black	662.13						
	SP-SAND, trace silt and fine gravel, compact, fine gravel, poorly graded, orange brown	661.63						
12	END OF BOREHOLE @ 10.0ft BGS							
14								
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18								
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26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB151-11
DATE COMPLETED: September 30, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 512034.26
EASTING: 12772792.71

GROUND SURFACE 672.13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	ASPHALT	672.03
2	SP-SAND, trace silt, compact, fine grained, poorly graded, orange brown, moist - coarse gravel, black, odor from 2.0 to 3.1ft BGS	
4		
6		
8	PT-PEAT, black	664.13
	- light brown at 8.8ft BGS	663.33
10	SP-SAND, trace silt, compact, fine grained, poorly graded, orange brown, moist	662.13
	END OF BOREHOLE @ 10.0ft BGS	
12		
14		
16		
18		
20		
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24		
26		
28		
30		
32		
34		

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -121				0.0
1GP 2-4' -122				0.3
4-6' -123				0.4
6-8' -124 2GP				
8-10' -125				0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (oval)

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB162-11
DATE COMPLETED: September 29, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510506.98
EASTING: 12772958.2

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	GROUND SURFACE	676.84						
0	CONCRETE	676.54		0-2' -082				0.0
2	SP-SAND, trace silt and fine gravel, compact, fine to slightly medium grained, poorly graded, orange brown, moist			1GP 2-4' -083		70		
4				4-6' -084				0.0
6			BACKFILLED WITH BENTONITE CHIPS	6-8' -085 2GP				0.0
8	- fine to medium grained, with fine gravel at 8.2ft BGS					60		
10	END OF BOREHOLE @ 10.0ft BGS	666.84		8-10' -086				0.0
12								
14								
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32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB163-11
DATE COMPLETED: September 29, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510526.99
EASTING: 12772958.47

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	676.89						
0	CONCRETE	676.59		0-2' -071				0.0
2	SP-SAND, trace silt and fine gravel, compact, fine to slightly moderately grained, poorly graded, orange brown, moist			1GP 2-4' -072		70		0.0
4	- with fine to medium gravel and fine to medium grained sand at 5.0ft BGS		BACKFILLED WITH BENTONITE CHIPS	4-6' -073				0.0
6				6-8' -074 2GP		60		0.0
8				8-10' -075				0.0
10	END OF BOREHOLE @ 10.0ft BGS	666.89						
12								
14								
16								
18								
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28								
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32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB164-11
DATE COMPLETED: September 29, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510517.08
EASTING: 12772967.33

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	677.03						
0	CONCRETE	676.73						
2	SP-SAND, trace silt and fine gravel, compact, fine to slightly moderate grained, poorly graded, orange brown, moist			0-2' -076/ 077				0.0
				1GP 2-4' -078		60		
4								0.0
			BACKFILLED WITH BENTONITE CHIPS	4-6' -079				
6								0.0
				6-8' -080 2GP		70		
8	- fine to medium grained, with fine gravel at 8.2ft BGS							
				8-10' -081				0.0
10	END OF BOREHOLE @ 10.0ft BGS	667.03						
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34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB165-11
DATE COMPLETED: September 29, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	NORTHING: 510517.1 EASTING: 12772948.62 GROUND SURFACE	676.76						
0	CONCRETE	676.46		0-2' -092				0.0
2	SP-SAND, trace silt and fine gravel, compact, fine to slightly moderate grained, poorly graded, orange brown, moist			1GP 2-4' -093		60		0.0
4			BACKFILLED WITH BENTONITE CHIPS	4-6' -094				0.0
6				6-8' -095 2GP		70		0.0
8				8-10' -096				0.0
10	- fine to medium sand, with fine gravel at 9.7ft BGS	666.76						
	END OF BOREHOLE @ 10.0ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ⬭

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB166-11
DATE COMPLETED: September 29, 2011
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. MICKELSON

NORTHING: 510516.98
EASTING: 12772958.4

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	676.87						
0	CONCRETE	676.57						
0	SP-SAND, trace silt and fine gravel, compact, fine to slightly medium grained, poorly graded, orange brown, moist			0-2' -087				0.0
2	- potential fly-ash at 2.9ft BGS			1GP 2-4' -088		50		
3	- potential fly-ash at 3.6ft BGS							0.0
4	- potential fly-ash at 4.5ft BGS		BACKFILLED WITH BENTONITE CHIPS	4-6' -089				
6				6-8' -090 2GP				0.0
8						60		
9				8-10' -091				0.0
10	- fine to medium grained sand, with fine gravel at 9.7ft BGS	666.87						
10	END OF BOREHOLE @ 10.0ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB200-12
DATE COMPLETED: October 31, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510527
EASTING: 12772966.6

GROUND SURFACE 677.20

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	CONCRETE	676.70		0-2' -158				0.0
2	SP-SAND, trace fine gravel, compact, fine grained, poorly graded, brown, moist - trace coal fragments at 1.0ft BGS - trace coal fragments at 2.2ft BGS - trace coal fragments at 3.0ft BGS			1GP 2-4' -159/ 160'		50		0.0
4			BACKFILLED WITH BENTONITE CHIPS	4-6' -161				0.0
6	SP-SAND, trace fine to coarse gravel, trace fines, compact, fine to medium grained, poorly graded, dark brown - brown at 7.5ft BGS	671.20		6-8' -162 2GP		60		0.0
8				8-10' -163				0.0
10	END OF BOREHOLE @ 10.0ft BGS	667.20						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/30/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB201-12
DATE COMPLETED: October 31, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510506.9
EASTING: 12772970

GROUND SURFACE 677.10

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	CONCRETE	676.60		0-2' -164				0.0
2	SP-SAND, trace fine gravel, compact, fine grained, poorly graded, brown, moist - trace coal fragments at 1.2ft BGS - dark brown at 2.0ft BGS			1GP 2-4' -165		65		0.0
4	- light brown at 3.5ft BGS			4-6' -166				0.0
6	SP-SAND, with fine gravel, compact, fine grained, poorly graded, light brown, moist	672.10	BACKFILLED WITH BENTONITE CHIPS	6-8' -167 2GP		60		0.0
8	- trace coal fragments at 8.0ft BGS			8-10' -168				0.0
10	END OF BOREHOLE @ 10.0ft BGS	667.10						
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32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/30/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB202-12
DATE COMPLETED: October 31, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510506.9
EASTING: 12772948.8

GROUND SURFACE 676.90

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
	CONCRETE	676.40
2	SP-SAND, trace fine to coarse gravel, compact, fine grained, poorly graded, brown, moist	
	- trace coal fragments at 2.0ft BGS	
4		
	- trace slag at 5.2ft BGS	
6		
	- trace slag and coal fragments at 6.5ft BGS	
	- trace coal fragments at 6.8ft BGS	
8		
	- trace slag at 8.5ft BGS	
	- trace slag at 9.0ft BGS	
10	END OF BOREHOLE @ 10.0ft BGS	666.90
12		
14		
16		
18		
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24		
26		
28		
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32		
34		

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -150				0.0
1GP 2-4' -151		50		0.0
4-6' -152				0.0
6-8' -153/ 154 2GP		50		0.0
8-10' -155				0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/30/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB203-12
DATE COMPLETED: October 31, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510506.7
EASTING: 12772939.3

GROUND SURFACE 676.90

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	ASPHALT	676.65		0-2' -144/ 145				0.0
	CONCRETE	676.15						
	- dark brown at 1.0ft BGS			1GP 2-4' -146		65		0.0
2	SP-SAND, trace fine gravel, compact, fine grained, trace medium grained, poorly graded, brown, moist							
4	- trace coal/tar fragments, trace slag at 2.2ft BGS		BACKFILLED WITH BENTONITE CHIPS	4-6' -147				0.0
	- trace coal/tar fragments, trace slag at 4.5ft BGS							
6	- trace coal/tar fragments, trace slag at 6.0ft BGS			6-8' -148 2GP		70		0.0
8	- trace slag at 8.5ft BGS							
	- 2" seam black stained sand at 9.0ft BGS			8-10' -149				0.0
10	END OF BOREHOLE @ 10.0ft BGS	666.90						
12								
14								
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26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/30/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB204-12
DATE COMPLETED: October 31, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510519.3
EASTING: 12772938.9

GROUND SURFACE 676.90

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	ASPHALT	676.65		0-2' -139				0.0
	CONCRETE	676.15						
2	SP-SAND, trace fine gravel, compact, fine grained, trace medium grained, poorly graded, brown, moist			1GP 2-4' -140		35		0.0
4	- black smear at 1.5ft BGS		BACKFILLED WITH BENTONITE CHIPS	4-6' -141				0.0
6				6-8' -142 2GP		40		0.0
8	- light brown at 7.0ft BGS			8-10' -143				0.0
10	END OF BOREHOLE @ 10.0ft BGS	666.90						
12								
14								
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18								
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24								
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28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/30/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB205-12
DATE COMPLETED: October 31, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510527.1
EASTING: 12772939.1

GROUND SURFACE 676.80

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	ASPHALT	676.60						
	CONCRETE	676.10		0-2' -134				0.1
2	SP-SAND, trace fine to coarse gravel, compact, fine grained, trace medium grained, poorly graded, light brown, moist - brown to light brown banding at 2.3ft BGS			1GP 2-4' -135		60		0.0
4	- concrete debris at 2.5ft BGS							
	- dark brown at 2.7ft BGS	671.80	BACKFILLED WITH BENTONITE CHIPS	4-6' -136				0.0
6	- light brown at 2.9ft BGS - with fine gravel at 3.2ft BGS - trace coal/tar fragments 0.1" diameter at 4.7ft BGS			6-8' -137 2GP		60		0.1
8	SP-SAND, with fine to medium grained gravel, compact, medium to coarse sand, poorly graded, brown, moist			8-10' -138				0.0
10	- 1" seam oxidized sand, with fines at 7.0ft BGS	666.80						
	- brown to light brown at 7.5ft BGS							
12	END OF BOREHOLE @ 10.0ft BGS							
14								
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18								
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24								
26								
28								
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32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/30/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB206-12
DATE COMPLETED: October 31, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: E. BATENBURG

NORTHING: 510527.1
EASTING: 12772946.1

GROUND SURFACE 676.80

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	ASPHALT	676.55		0-2' -129				0.0
2	SP-SAND, trace fine gravel, compact, fine grained, trace medium to coarse grained, poorly graded, brown, moist			1GP 2-4' -130		65		0.0
4	- black smear at 3.2ft BGS - trace coal/tar fragments, 1/4" diameter at 3.4ft BGS - trace medium grained sand at 4.8ft BGS		BACKFILLED WITH BENTONITE CHIPS	4-6' -131				0.0
6								
8	- concrete debris at 7.5ft BGS	669.30		6-8' -132 2GP		60		0.0
10	SP-SAND, with fine to coarse gravel, trace fines, compact, fine to coarse grained, poorly graded, light brown			8-10' -133				0.0
12	END OF BOREHOLE @ 10.0ft BGS	666.80						
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32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/30/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB207-12
DATE COMPLETED: November 1, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. DEITNER

NORTHING: 512168.3
EASTING: 12772780.6

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
	GROUND SURFACE	671.60
0	SP-SAND (FILL), and slag, loose, fine grained sand, slag to 1/4", dry	671.10
2	SP-SAND (FILL), trace gravel, loose, fine grained, poorly graded, brown, moist	670.10
	SP-SAND (FILL), and slag, loose, fine grained sand, slag up to 1/4", dry	668.60
4	SP-SAND (FILL), trace silt, loose, fine grained, poorly graded, brown, moist	667.60
6	SP-SAND (FILL), and slag, loose, fine grained, poorly graded, dark gray, moist - 3" lens rusty brown at 4.5ft BGS	665.60
8	SP-SAND (FILL), trace silt, trace concrete debris, loose, fine grained, poorly graded, brown, moist	663.60
	PT-PEAT FIBERS (native), with silt, trace sand, loose, brown, very moist	662.60
10	OL-ORGANIC SILT/MARL,very soft, white, with gray and brown lenses, wet	661.60
12	END OF BOREHOLE @ 10.0ft BGS	

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -185				0.0
1DP 2-4' -186		50		0.0
4-6' -187/ 188				0.0
6-8' -189 2DP		60		0.0
8-10' -190				0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/30/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB212-12
DATE COMPLETED: November 1, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. DEITNER

NORTHING: 512025.8
EASTING: 12772784.8

GROUND SURFACE 671.90

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0	SP-SAND (FILL), and slag, fine grained, poorly graded, dark gray, dry	670.90		0-2' -191				0.0
2	SP-SAND (FILL), trace silt, loose, fine grained, poorly graded, light brown, moist			1DP 2-4' -192		50		0.0
4			BACKFILLED WITH BENTONITE CHIPS	4-6' -193				0.0
6	- trace slag at 6.0ft BGS			6-8' -194 2DP		60		0.0
8	- 6" sand and slag, dark gray at 8.0ft BGS	663.40						
	PT-PEAT (native), with clay, trace silt, loose, fiberous, dark brown, very moist	662.90		8-10' -195				0.0
10	SP-SAND (native), trace silt, compact, fine grained, poorly graded, brown, wet	661.90						
	- trace fine grained gravel at 9.8ft BGS							
12	END OF BOREHOLE @ 10.0ft BGS							
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/30/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB223-13
DATE COMPLETED: April 23, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 510504.47
EASTING: 12772948.71

GROUND SURFACE ELEV. ft: 677.06

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	CONCRETE	676.56
2	SP-SAND (FILL), trace silt and fine gravel, compact, fine to coarse grained, poorly graded, brown, moist	
6	- with fine gravel at 7.0ft BGS	
14	- orange brown, wet at 13.0ft BGS	
15	END OF BOREHOLE @ 15.0ft BGS	662.06

BOREHOLE: CONCRETE; BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
1DP	0-2'	50		0.3
	2-4'			0.4
	4-6'			0.4
6-8' -003 2DP	6-8'	65		0.5
8-10' -004	8-10'			0.5
10-12' -005	10-12'			0.6
3DP	12-14'	65		

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 5/29/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB224-13
DATE COMPLETED: April 23, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 510498.03
EASTING: 12772948.28

GROUND SURFACE 677.23

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	676.63	CONCRETE	0-2' -006				0.8
2	SP-SAND (FILL), trace silt and fine gravel, compact, fine to coarse grained, poorly graded, brown, moist			1DP 2-4' -007		60		1.2
4			BACKFILLED WITH BENTONITE CHIPS	4-6' -008				1.0
6				6-8' -009 2DP		65		0.9
8				8-10' -010				0.7
10				10-12' -011				0.6
12	- wet at 13.0ft BGS			3DP				
14								
16	END OF BOREHOLE @ 15.0ft BGS	662.23						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 5/29/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB225-13
DATE COMPLETED: April 23, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 510497.04
EASTING: 12772938.57

GROUND SURFACE 677.06

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	ASPHALT	676.96	CONCRETE	0-2' -012				0.9
	CONCRETE	676.36						
2	SP-SAND (FILL), trace silt and fine gravel, compact, fine to coarse grained, poorly graded, brown, moist			1DP 2-4' -013		75		1.1
4			BACKFILLED WITH BENTONITE CHIPS	4-6' -014				1.0
6				6-8' -015/ 016 2DP		50		1.2
8				8-10' -017				1.0
10				10-12' -018		75		1.1
12	- wet at 13.0ft BGS			3DP				
14								
16	END OF BOREHOLE @ 15.0ft BGS	662.06						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 5/29/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB226-13
DATE COMPLETED: April 23, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 510496.72
EASTING: 12772929.96
GROUND SURFACE 677.08

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0	ASPHALT	676.98	CONCRETE	0-2' -019				1.1
	CONCRETE	676.28						
2	SP-SAND (FILL), trace silt and fine gravel, compact, fine to coarse grained, poorly graded, brown, moist			1DP 2-4' -020		75		1.0
4			BACKFILLED WITH BENTONITE CHIPS	4-6' -021				
6								0.8
8				6-8' -022 2DP		65		0.9
10	SP-SAND, with fine gravel, compact, fine to coarse grained, poorly graded, light brown, moist	667.38		8-10' -023				
12	- gravelly sand, moderately graded at 11.8ft BGS			10-12' -024				1.0
14	- brown, wet at 13.0ft BGS			3DP		65		1.1
16	END OF BOREHOLE @ 15.0ft BGS	662.08						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 5/29/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB227-13
DATE COMPLETED: April 23, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 510505.8
EASTING: 12772930.56
GROUND SURFACE 677.02

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	ASPHALT	676.92	CONCRETE	0-2' -025				1.7
	CONCRETE	676.22						
2	SP-SAND (FILL), trace silt and fine gravel, compact, fine to coarse grained, poorly graded, brown, moist			1DP 2-4' -026		75		1.6
4								
6			BACKFILLED WITH BENTONITE CHIPS	4-6' -027				1.4
8				6-8' -028 2DP		65		
10				8-10' -029				1.5
12	SP-SAND, with fine gravel, compact, fine to coarse grained, poorly graded, light brown, moist	665.02		10-12' -030				1.0
14	- wet at 13.0ft BGS			3DP		50		1.1
16	END OF BOREHOLE @ 15.0ft BGS	662.02						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 5/29/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB228-13
DATE COMPLETED: April 23, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 510515.01
EASTING: 12772930.68

GROUND SURFACE 676.96

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	ASPHALT	676.86	CONCRETE					
	CONCRETE	676.16		0-2' -031				1.7
2	SP-SAND (FILL), trace silt and fine gravel, compact, fine to coarse grained, poorly graded, brown, moist			1DP 2-4' -032		80		1.8
4			BACKFILLED WITH BENTONITE CHIPS	4-6' -033				
6				6-8' -034 2DP				1.1
8				8-10' -035				1.0
10		665.96		10-12' -036/ 037				
12	SP-SAND, with fine gravel, compact, fine to coarse grained, poorly graded, light brown, moist			3DP				1.0
14	- brown, wet at 13.0ft BGS							0.8
	END OF BOREHOLE @ 15.0ft BGS	661.96						
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 5/29/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB229-13
DATE COMPLETED: April 23, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 510514.73
EASTING: 12772938.72

GROUND SURFACE 677.00

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	ASPHALT	676.80	CONCRETE					
	CONCRETE	676.20						1.7
2	SP-SAND (FILL), trace silt and fine gravel, compact, fine to coarse grained, poorly graded, brown, moist			1DP		80		
4								1.6
6			BACKFILLED WITH BENTONITE CHIPS					1.2
8				6-8' -038 2DP		75		
10				8-10' -039				1.3
12				10-12' -040				1.2
14	SP-SAND, with fine gravel, compact, fine to coarse grained, poorly graded, light brown, moist	664.00		3DP		75		1.1
16	END OF BOREHOLE @ 15.0ft BGS	662.00						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 5/29/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB230-13
DATE COMPLETED: April 23, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 510506.5
EASTING: 12772939.3

GROUND SURFACE 677.01

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	ASPHALT	676.81	CONCRETE					
	CONCRETE	676.21						1.4
2	SP-SAND (FILL), trace silt and fine gravel, compact, fine to coarse grained, poorly graded, brown, moist			1DP		85		
4								1.5
6			BACKFILLED WITH BENTONITE CHIPS					
8				6-8' -041 2DP				1.6
10								1.6
12				10-12' -042				1.3
				3DP				
14	SP-SAND, with fine gravel, compact, fine to coarse grained, poorly graded, light brown, moist	664.01						1.1
16	END OF BOREHOLE @ 15.0ft BGS	662.01						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 5/29/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB232-13
DATE COMPLETED: April 24, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512180.8
EASTING: 12772781.25
GROUND SURFACE 671.68

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	BROKEN ASPHALT	671.48
	FILL, mix of sand and slag debris, fine to coarse sand, fine sand to coarse gravel size slag debris, black, rust brown, bluish gray, moist	669.68
2		669.38
	SP-SAND (FILL), trace silt, compact, fine to coarse grained, poorly graded, brown, moist	668.18
4		
	FILL, mix of sand and slag debris, fine to coarse sand, fine sand to coarse gravel size slag debris, black, rust brown, bluish gray, moist	
6		
	SP-SAND (FILL), trace silt and fine gravel, compact, fine to coarse grained, poorly graded, brown and gray, moist, trace to with slag debris	664.18
8	- trace slag debris at 5.5ft BGS	663.38
	- concrete debris at 7.0ft BGS	
10	PT-PEAT, trace silt and fine sand, firm, fibrous, dark brown to black, moist	661.68
	OL-ORGANIC SILT/MARL, with fine sand, soft, with fibers, grayish white, moist to wet	
12	END OF BOREHOLE @ 10.0ft BGS	
14		
16		
18		
20		
22		
24		
26		
28		
30		
32		
34		

BOREHOLE: CONCRETE; BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -050				1.2
1DP 2-4' -051		70		1.1
4-6' -052				1.3
6-8' -053 2DP				
8-10' -054				1.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 5/29/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB254-13
DATE COMPLETED: August 21, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: M. RAMSEY

NORTHING: 511901.1
EASTING: 12773010.96
GROUND SURFACE 676.76

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	SP/GP-SAND AND GRAVEL, loose, fine sand, fine to coarse gravel, poorly graded, light brown, moist	676.26
2	SP-SAND, trace slag, trace fine gravel, compact, fine sand, poorly graded, brown, moist	
4		672.26
6	SP-SAND, trace slag, trace fine gravel, compact, fine sand, poorly graded, dark brown, moist - no slag at 5.5ft BGS	
8		667.76
10	SLUDGE-LIKE DEBRIS, trace slag, trace wood, white	667.01
12	SP-SAND, trace fine gravel, loose, fine sand, poorly graded, brown, moist - 1/2" sand seam, black, wet at 12.0ft BGS	664.76
14	SP-SAND, with fine gravel, trace silt, fine sand, poorly graded, brown, wet	663.76
16	PT-PEAT, trace silt and fines, soft, fibrous, black, moist	661.76
18	NO RECOVERY, trace silty clay, high plasticity, gray/brown, wet	
20	END OF BOREHOLE @ 20.0ft BGS	656.76
22		
24		
26		
28		
30		
32		
34		

TEMP MONITORING WELL

WELL DETAILS
Screened interval:
666.76 to 656.76ft
10.00 to 20.00ft BGS
Length: 10ft

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
1DP		60		0.8
				0.4
				0.9
2DP		60		0.7
				0.9
9-9.75' -113				
9.75-11' -114				0.4
3DP		60		0.8
4DP		0		

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 9/24/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB255-13
DATE COMPLETED: August 19, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: M. RAMSEY

NORTHING: 510552.36
EASTING: 12772980.38

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	677.56						
0	CONCRETE							
2				1DP		90		
4	SP-SAND, trace silt, compact, fine to medium grained, poorly graded, brown, moist	674.06						0.3
6			BACKFILLED WITH BENTONITE CHIPS					0.3
8				2DP		60		
8	SP-SAND, with fine gravel, compact, fine to coarse grained, poorly graded, brown, moist	669.56		8-10' -018				0.4
10								
12								0.4
12				3DP 12-14' -017		90		
14	- medium gravel at 14.0ft BGS							
14	- wet at 15.0ft BGS							0.6
16				4DP		90		
16	END OF BOREHOLE @ 16.0ft BGS	661.56						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB256-13
DATE COMPLETED: August 19, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: M. RAMSEY

NORTHING: 510506.97
EASTING: 12772980.67

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	677.28						
0	CONCRETE	676.61		0-2' -001				1.3
2	SP-SAND, compact, fine to medium grained, poorly graded, brown and dark brown, moist			1DP 2-4' -002		75		1.2
4		672.78		4-6' -003				
6	SP-SAND, compact, fine grained, poorly graded, light brown, dry		BACKFILLED WITH BENTONITE CHIPS	6-8' -004 2DP		80		0.2
8		668.78		8-10' -005				1.1
10	SP-SAND, with fine gravel, compact, medium to coarse grained, poorly graded, gray and light brown, dry			10-12' -006				1.7
12		665.28		3DP 12-14' -007		75		
14	SP-SAND, trace silt, compact, fine grained, poorly graded, light brown, moist	663.28		14-15' -008				1.7
16	SP-SAND, with fine gravel, compact, medium to coarse grained, poorly7 graded, brown, moist - wet at 14.8ft BGS	662.28						
18	END OF BOREHOLE @ 15.0ft BGS							
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 9/24/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB257-13
DATE COMPLETED: August 19, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: M. RAMSEY

NORTHING: 510477.97
EASTING: 12772981.18

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	677.12						
0	CONCRETE	676.12		0-2' -058				
2	SP-SAND, trace fine gravel, compact, fine to medium grained, poorly graded, light brown, moist			1DP 2-4' -059		80		0.1
4			BACKFILLED WITH BENTONITE CHIPS	4-6' -060/ 061				1.2
6				6-8' -062/ 063 2DP		90		0.9
8	SP-SAND, with fine gravel, compact, fine to coarse grained, poorly graded, brown, moist	669.12		8-10' -064				0.7
10				10-12' -065				1.2
12				3DP 12-14' -066				0.5
14	- wet at 14.0ft BGS							
15	END OF BOREHOLE @ 15.0ft BGS	662.12						
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 9/24/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB258-13
DATE COMPLETED: August 19, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: M. RAMSEY

NORTHING: 510477.59
EASTING: 12772951.47

GROUND SURFACE 676.87

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	675.87		0-2' -051				
2	SP-SAND, trace fine gravel, compact, fine to coarse grained, poorly graded ,brown, moist			1DP 2-4' -052		80		1.0
4			BACKFILLED WITH BENTONITE CHIPS	4-6' -053				0.9
6				6-8' -054 2DP				0.1
8						80		
10				8-10' -055/ 056				0.2
12	- wet at 12.0ft BGS			10-12' -057				0.1
14				3DP		50		
15	END OF BOREHOLE @ 15.0ft BGS	661.87						
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 9/24/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB259-13
DATE COMPLETED: August 19, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: M. RAMSEY

NORTHING: 510506.08
EASTING: 12772905.27

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	676.76						
0	CONCRETE	675.76		0-2' -034				
2	SP-SAND, compact, fine to medium grained, poorly graded, brown, moist			1DP 2-4' -035/ 036		80		0.8
4		672.76		4-6' -037				1.1
6	SP-SAND, trace fine gravel, compact, fine to coarse grained, poorly graded, brown, moist		BACKFILLED WITH BENTONITE CHIPS	6-8' -038 2DP		80		0.4
8								
10				8-10' -039				1.4
12				10-12' -040				1.4
14	- wet at 13.0ft BGS			3DP 12-14' -041		80		1.4
16	END OF BOREHOLE @ 15.0ft BGS	661.76						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 9/24/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB260-13
DATE COMPLETED: August 19, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: M. RAMSEY

NORTHING: 510477.57
EASTING: 12772905.47

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	676.64						
0	CONCRETE	675.64		0-2' -042				0.9
2	SP-SAND, compact, fine to medium grained, poorly graded, brown, moist			1DP 2-4' -043/ 044		75		1.1
4		671.64	BACKFILLED WITH BENTONITE CHIPS	4-6' -045/ 046				1.1
6	SP-SAND, trace fine gravel, compact, fine to medium grained, poorly graded, brown, moist			6-8' -047 2DP		60		1.3
8				8-10' -048				1.1
10				10-12' -049				1.1
12	- wet at 13.0ft BGS			3DP 12-14' -050		60		
14								
16	END OF BOREHOLE @ 15.0ft BGS	661.64						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 9/24/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB261-13
DATE COMPLETED: August 19, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: M. RAMSEY

NORTHING: 510551.61
EASTING: 12772905.35

GROUND SURFACE 676.00

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	CONCRETE	675.00
2	SP-SAND, trace fine gravel, compact, fine to medium grained, poorly graded, brown, moist	673.00
4	SP-SAND, trace fine and coarse gravel, compact, fine to coarse grained, poorly graded, brown, moist	
6		
8		
10		
12		
14	- wet at 14.0ft BGS	
16	END OF BOREHOLE @ 16.0ft BGS	660.00
18		
20		
22		
24		
26		
28		
30		
32		
34		

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -027				1.0
1DP 2-4' -028		75		
4-6' -029				1.2
6-8' -030 2DP				1.1
		80		
8-10' -031				1.3
10-12' -032				1.4
3DP 12-14' -033		60		1.4

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 9/24/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB262-13
DATE COMPLETED: August 19, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: M. RAMSEY

NORTHING: 510553.09
EASTING: 12772951.03
GROUND SURFACE 677.18

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE							--
2	- trace slag at 3.0ft BGS	673.68		1DP 2-4' -019		100		0.1
4	SP-SAND, trace silt, trace fine gravel, compact, fine to coarse grained, poorly graded, brown, moist		BACKFILLED WITH BENTONITE CHIPS	4-6' -020				0.8
6				6-8' -021 2DP		75		
8	SP-SAND, trace fine gravel, compact, medium to coarse grained, poorly graded, brown, moist	669.18		8-10' -022/ 023'				1.1
10				10-12' -024/ 025'				1.2
12	SP-SAND, with fine to coarse gravel, compact, medium to coarse grained, poorly graded, moist	665.18		3DP 12-14' -026		80		1.4
14	- wet at 14.0ft BGS							
16	END OF BOREHOLE @ 16.0ft BGS	661.18						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 9/24/13

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB277-13
DATE COMPLETED: October 22, 2013
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: M. RAMSEY

NORTHING: 512167.57
EASTING: 12772788.38
GROUND SURFACE 671.85

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	ASPHALT	671.52
	SP-SAND AND SLAG, loose, fine to coarse grained, poorly graded, black, moist	669.85
2	SP-SAND, with fine gravel, loose, fine to coarse grained, poorly graded, dark brown, moist	668.35
4	SP-SAND, loose, fine to medium grained, poorly graded, brown, moist	
	- trace slag at 5.0ft BGS	666.35
6	PT-PEAT, compact, fine grained, poorly graded, black and red brown, moist	
8	ML-SILT, compact, fine grained, poorly graded, light gray, light brown and red brown, very moist, stratified	663.85
10	END OF BOREHOLE @ 10.0ft BGS	661.85
12		
14		
16		
18		
20		
22		
24		
26		
28		
30		
32		
34		

BOREHOLE: CONCRETE; BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -040				0.0
1DP 2-4' -041		60		0.0
4-6' -042				0.0
6-8' -043 2DP		50		0.0
8-10' -044				0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ⬭

OVERBURDEN LOG 017360-T05WIN.GPJ CRA_CORP.GDT 1/28/14

Appendix D

Notification of PCB Waste Activity Form and Documentation

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

PARCELL B
GMC CPC GRAND RAPIDS METAL PLT
300 36TH ST SW
GRAND RAPIDS, MI 49548

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

(TS-798)
May 24, 1990
2641

Subject: Notification of PCB Activity

Thank you for filing the Notification of PCB Activity form dated March 29, 1990 for the facility location listed below:

GMC CPC GRAND RAPIDS METAL PLT
300 36TH ST SW
GRAND RAPIDS, MI 49548

Please be advised that the EPA Identification Number for the above facility is correctly stated on your form as MID006020408.

If you have any questions on the EPA ID, call 301 294-2811. If you have any questions on the interpretation of PCB Waste Handlers rules, call 202 382-3933.

Sincerely,

Tony Baney, Chief
Chemical Regulation Branch

EPA

United States Environmental Protection Agency
Washington, DC 20460

Notification of PCB Activity

Form Approved
OMB No. 2070-0112
Approval expires 12-31-92

No information on this form may be claimed as TSCA CBI.

Return To:

Chemical Regulation Branch
Office of Toxic Substances TS-798
U.S. Environmental Protection Agency
401 M St., SW
Washington, DC 20460

For Official Use Only

TSCA PCB ID Number

I. Name of Facility: GM CPC Grand Rapids Metal Plant

Name of Owner of Facility: General Motors

II. EPA Identification Number (If already assigned under RCRA): MID 006020408

III. Facility Mailing Address (Street or PO Box, City, State, & ZIP Code):
CPC Grand Rapids Metal Plant
300 - 36th Street S.W.
Grand Rapids, Mich. 49548

IV. Location of Facility (No. & Street, City, State, & ZIP Code):
CPC Grand Rapids Metal Plant
300 - 36th Street S.W.
Grand Rapids, Mich. 49548

V. Installation Contact (Name and Title):
B. Parcell
Chief Powerhouse Engineer

Telephone Number (Area Code and Number):
(616) 246-2870

VI. Type of PCB Activity (Mark 'X' in appropriate box. See instructions.)

- [X] A. Generator with onsite storage facility
- [ ] B. Storer (Commercial)
- [ ] C. Transporter
- [ ] D. Permitted Disposer

VII. Certification

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Signature	Name and Official Title (Type or print)	Date Signed
[signature]	Plant Manager	3/29/90

Paperwork Reduction Act Notice

The public reporting burden for this collection of information is estimated to average 1.5 hours per response. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information to the Chief, Information Policy Branch (PM-223), US Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503, marked ATTENTION: Desk Officer for EPA.

EPA Form 7710-53(12-89)

RECEIVED 4-10-90

002642

EPA

United States Environmental Protection Agency
Washington, DC 20460

Notification of PCB Activity

Form Approved
OMB No. 2070-0112
Approval expires 12-31-92

No information on this form may be claimed as TSCA CBI.

Return To:

Chemical Regulation Branch
Office of Toxic Substances TS-798
U.S. Environmental Protection Agency
401 M St., SW
Washington, DC 20460

For Official Use Only

TSCA PCB ID Number

I. Name of Facility	Name of Owner of Facility	II. EPA Identification Number (If already assigned under RCRA)
GM CPC Grand Rapids Metal Plant	General Motors	MID 006020408

III. Facility Mailing Address (Street or PO Box, City, State, & ZIP Code)

CPC Grand Rapids Metal Plant
300 - 36th Street S.W.
Grand Rapids, Mich. 49548

IV. Location of Facility (No. & Street, City, State, & ZIP Code)

CPC Grand Rapids Metal Plant
300 - 36th Street S.W.
Grand Rapids, Mich. 49548

V. Installation Contact (Name and Title)

B. Parcell
Chief Powerhouse Engineer

Telephone Number (Area Code and Number)

(616) 246-2870

VI. Type of PCB Activity (Mark 'X' in appropriate box. See instructions.)

- [X] A. Generator with onsite storage facility
- [ ] B. Storer (Commercial)
- [ ] C. Transporter
- [ ] D. Permitted Disposer

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Signature	Name and Official Title (Type or print)	Date Signed
[signature]	Plant Manager	3/29/90

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EPA Form 7710-53(12-89)

RECEIVED 4-10-90

002641

EPA

United States Environmental Protection Agency
Washington, DC 20460

Notification of PCB Activity

Form Approved
OMB No. 2070-0112
Approval expires 12-31-92

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Chemical Regulation Branch
Office of Toxic Substances TS-798
U.S. Environmental Protection Agency
401 M St., SW
Washington, DC 20460

For Official Use Only

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Name of Owner of Facility: General Motors

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CPC Grand Rapids Metal Plant
300 - 36th Street S.W.
Grand Rapids, Mich. 49548

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Grand Rapids, Mich. 49548

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B. Parcell
Chief Powerhouse Engineer

Telephone Number (Area Code and Number):
(616) 246-2870

VI. Type of PCB Activity (Mark 'X' in appropriate box. See instructions.)

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- [ ] C. Transporter
- [ ] D. Permitted Disposer

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Signature	Name and Official Title (Type or print)	Date Signed
[signature]	Plant Manager	3/29/90

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EPA Form 7710-53(12-89)

RECEIVED 4-10-90 002643

EPA

United States Environmental Protection Agency
Washington, DC 20460

Notification of PCB Activity

Form Approved
OMB No. 2070-0112
Approval expires 12-31-92

No information on this form may be claimed as TSCA CBI.

Return To:

Chemical Regulation Branch
Office of Toxic Substances TS-798
U.S. Environmental Protection Agency
401 M St., SW
Washington, DC 20460

For Official Use Only

TSCA PCB ID Number

I. Name of Facility: GM CPC Grand Rapids Metal Plant

Name of Owner of Facility: General Motors

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III. Facility Mailing Address (Street or PO Box, City, State, & ZIP Code):
CPC Grand Rapids Metal Plant
300 - 36th Street S.W.
Grand Rapids, Mich. 49548

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Grand Rapids, Mich. 49548

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B. Parcell
Chief Powerhouse Engineer

Telephone Number (Area Code and Number):
(616) 246-2870

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- [ ] B. Storer (Commercial)
- [ ] C. Transporter
- [ ] D. Permitted Disposer

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Signature	Name and Official Title (Type or print)	Date Signed
[signature]	Plant Manager	3/29/90

Paperwork Reduction Act Notice

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EPA Form 7710-53(12-89)

ATTACHMENT 1
Documentation of Certifier's Knowledge of the Truth and Accuracy of Information submitted in EPA's Form 7710-53.

TO BE COMPLETED BY ENVIRONMENTAL ENGINEER:

This is to confirm that I, Bob Parcell (Title, e.g., Env'tl Eng'nr),

provided Don Mayton (certifier of Form 7710-53) with the information necesary to complete Form 7710-53. The information I provided was based upon my first-hand knowledge of the matter which is the subject of the Form in question; I have obtained this knowledge as a result of my work experience.

TO BE COMPLETED BY PLANT MANAGER (OR OTHER CERTIFIER OF FORM 7710-53):

This document also confirms that I, Don Mayton (certifier of form),

spoke with Bob Parcell (individual with personal knowledge) regarding the subject matter of Form 7710-53 and that, based upon that discussion, I am comfortable that the information provided to me was true, accurate and complete.

Briefly specify manner of communications between manager and individual with personal knowledge (e.g., verbal communications during meeting of (date)):

(Certifier's signature)

Plant Manager
(Title)

3/29/90
(Date)

(Signature of individual with personal knowledge)

Chief Engineer
(Title)

3/28/90
(Date)