City of Valley – Former Fairfax Textile Mill
Valley, Alabama
ADEM VCP Site #: 461-017-262

Fact Sheet

A Voluntary Cleanup Program (VCP) Cleanup Plan has been found to be technically adequate by the Alabama Department of Environmental Management (ADEM) for the Former Fairfax Textile Mill site in Valley, Alabama. This fact sheet has been prepared to briefly advise the public of the principal legal and policy issues of the VCP.

I. VCP PROCESS

The VCP provides a mechanism for the implementation of a cleanup program that encourages applicants to voluntarily assess, remediate, and reuse rural and urban areas of actual or perceived contamination. The program does not relieve any "responsible person" for the liability for administrative, civil, or criminal fines or penalties which are otherwise authorized by law and imposed as a result of the illegal or unpermitted disposal of solid waste, hazardous waste, hazardous constituents, hazardous substances, petroleum products, and/or pollutants to the land, air, or waters of the State on an identified property. The program is designed to expedite the voluntary cleanup process and has been designed for entry at any stage of the cleanup process as long as all applicable criteria have been met up to the point of entry.

II. PROCEDURES FOR REACHING A FINAL DECISION

ADEM is proposing to issue the City of Valley a final decision for the site remediation. The remediation plan includes debris transport to appropriate landfill locations and soil removal/disposal in order to reduce and/or eliminate the potential for exposure to contaminants both above ground and in the subsurface. Inert materials (bricks, concrete, untreated wood) from the debris piles will be used as onsite fill to level out the property.

ADEM Admin Code R. 335-15-6-.02 requires that the public be given a 30-day comment period from the date of the notice. The comment period will begin on September 23, 2020 which is the date of publication of the public notice in major local newspaper(s) of general circulation and will end on October 22, 2020.

All persons wishing to comment on any of the conditions of the VCP Remediation should submit their comments in writing to ADEM, Permits and Services Division, 1400 Coliseum Blvd. (Zip 36110). P.O. Box 301463 (Zip 36130-1463) Montgomery, Alabama, ATTENTION: Mr. Russell Kelly. Written comments on the VCP activities should be submitted to ADEM and be received by 5:00 p.m. on October 22, 2020.

ADEM will consider all written comments received during the comment period while making a final decision on this issue. When ADEM makes its final decision, notice will be

given to the applicant and each person who has submitted written comments or requested notice of the final decision.

III. FACILITY DESIGN

PPM Consultants, Inc. has completed Site Investigation activities under the VCP at the Former Fairfax Textile Mill site located at 201 Boulevard Street, Valley, Chambers County, Alabama. The site is currently undeveloped with debris piles that contain the remnants of the old mill buildings once located on the property. The Fairfax Textile Mill was built in 1915 and became fully operational the following year. After operating under a number of different production and warehousing arrangements, the mill permanently closed in 2004. EAC Enterprises, LLC purchased the property in 2016 in an effort to salvage as much profitable building material as possible before the demolition process took place. The City of Valley purchased the property in 2018 and began taking the necessary steps to clean up the site. Due to the presence of asbestos and lead-based paint in the onsite debris and various soil contaminants in the subsurface, institutional and engineering controls will be used at the site to eliminate or minimize potential exposures associated with future use and/or development. Contaminated debris will be removed and sent to the appropriate landfill. Contaminated soils will be removed and properly disposed of with confirmation testing to follow to ensure all affected areas have been adequately addressed. Future site development plans include the transformation of the area into a greenspace for the surrounding school and residential community.

IV. TECHNICAL CONTACT

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VOLUNTARY ASSESSMENT REPORT AND CLEANUP PLAN

CITY OF VALLEY
FORMER FAIRFAX TEXTILE MILL
FAIRFAX MILL VILLAGE
201 BOULEVARD STREET
VALLEY, ALABAMA 36854

PPM PROJECT NO. 40096601.CA

JULY 7, 2020

PPM CONSULTANTS

VOLUNTARY ASSESSMENT REPORT AND CLEANUP PLAN

FORMER FAIRFAX TEXTILE MILL
201 BOULEVARD STREET
FAIRFAX MILL VILLAGE
VALLEY, ALABAMA 36854

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1.0 INTRODUCTION AND BACKGROUND

On behalf of the City of Valley, Alabama, PPM Consultants, Inc. has prepared this Voluntary Assessment Report and Cleanup Plan to address the cleanup of the former Fairfax Textile Mill located at 201 Boulevard Street, Valley, Alabama. The City was awarded a Brownfield Cleanup Grant by the Environmental Protection Agency (EPA) in September 2019 after acquiring the property, and is required to enter the Alabama Department of Environmental Management (ADEM) Voluntary Cleanup Program (VCP) as a condition of the Cooperative Agreement with the EPA. This document was prepared in accordance with the the Alabama Land Recycling and Economic Recovery Act (ALERA) and guidelines established in the Brownfield Redevelopment and Voluntary Cleanup Regulations (ADEM Administrative Code R. 335-15), as well as EPA guidance for preparation of Analysis of Brownfield Cleanup Alternatives (ABCA). A draft ABCA was presented with the Cleanup Grant application, and this document satisfies the EPA requirement to produce a final ABCA. This document provides a description and history of the facility, summarizes previous environmental investigations conducted by others at the site, describes additional environmental characterization activities conducted by PPM, and presents a remedial strategy to clean up the site to ADEM standards. This report provides previously-generated assessment data and VCP cleanup plan in a single document to expedite the project, and will also serve as the final ABCA as required by the EPA.

1.1 SITE DESCRIPTION AND HISTORY

The site consists of approximately 16.28 acres of land that was formerly occupied by the Fairfax Textile Mill. The site is located in the center of the community known as the Fairfax Mill Village and is bounded by River Road, Boulevard Street, and the former Lafayette Street. The most descriptive address from the last time of operation is WestPoint Stevens Fairfax Mill, 201 Boulevard Street, Valley, Alabama 36854. The site is bordered by residential properties, Fairfax Elementary School, churches, and the newly constructed Valley Fire Station Training Facility. The site is located at 32° 47’ 35.35’’ North Latitude, 85° 11’ 04.38’’ West Longitude and at an approximate elevation of 668 National Geodetic Vertical Datum (NGVD). The site location is shown in **Figure 1, Site Location/Topographic Map, Appendix A, Figures**. An aerial view of the site is shown in **Figure 2, Site/Area Map**.

The mill was constructed in 1915 and operated in various configurations until permanent closure in 2004 under the ownership of WestPoint Stevens. The most recent configuration included 18 buildings and the last operations included slashing, sizing, warping, dyeing, as

well as warehousing/storage for the nearby Lanier Carter Mill also operated by WestPoint. In addition to the production and warehousing operations discussed above, the Mill also included a raw process water treatment plant, a wastewater pretreatment works, a steam boiler, two concrete-lined ponds used as part of the raw process water supply and cooling system, and a backwash basin.

The only structures now present at the site are concrete foundations, as all 18 buildings previously located at the site have been demolished by the previous owner, EAC Enterprises, LLC (EAC). EAC purchased the property in 2016 to recover marketable building materials prior to demolition. An asbestos survey and abatement of friable asbestos-containing materials (ACM) was conducted prior to demolition. EAC's attempts at controlled on-site burning of some of the debris resulted in a large fire in the main mill building. The fire was extinguished, but a large portion of the building was damaged and the remainder of the building was torn down. The site contains a significant volume of demolition debris, including concrete, wood, asphalt, metal, soil, and other rubble. These materials have been partially segregated, but a Phase II Environmental Site Assessment (ESA) conducted on the property revealed the presence of ACM and lead-based paint (LBP) in portions of the demolition rubble; slightly elevated polynuclear aromatic hydrocarbons (PAH) in shallow soils in one area, and the presence of polychlorinated biphenyls (PCBs) in shallow soil in a small area where a transformer was previously located. Since purchasing the property in 2018, the City has been segregating wood and metallic wastes from the demolition rubble using their own equipment and personnel.

Demolition wastes are regulated by ADEM, who has rules regarding the disposal of wastes containing ACM and LBP. Site reconnaissance and review of aerial drone footage indicated the presence of an estimated 17,000 tons of demolition rubble present at the site that requires management. Storm water accumulated in the concrete-lined former cooling pond basin also needs removal prior to demolition of the pond. The City of Valley purchased the site in 2018 as the first step in finding a solution to the cleanup. Phase I and II ESAs were conducted on the site prior to acquisition to satisfy all appropriate inquiry and *bona fide prospective purchaser* requirements. The site was accepted into the ADEM VCP with the City of Valley as a non-responsible party on June 4, 2020. Award of the EPA brownfield cleanup funding will help the City return the site to beneficial reuse, which is currently targeted as greenspace. The demolition rubble piles and other features are depicted in **Figure 3, Approximate Locations of Areas Requiring Cleanup**. Site conditions are depicted in the photographs included in **Appendix B, Background Information**.

1.2 SUMMARY OF PREVIOUS SITE INVESTIGATIONS

Several environmental investigations have been conducted at the site by others to evaluate environmental conditions prior to Valley's purchase of the site. A summary of findings from each of these investigations is provided below:

Phase I Environmental Site Assessment, July 13, 2018. Geotechnical & Environmental Consultants, Inc. (GEC) in partnership with Harris Gray, LLC, conducted a Phase I ESA of the property for the City in conformance with ASTM International Standard Practice E 1527-13. The Phase I ESA reported the following recognized environmental conditions (RECs) in connection with the property:

- The operation as a cotton mill at the subject property was deemed to be a REC, due to the environmental issues historically found at these types of facilities.
- The former use/storage of petroleum products and other potential hazardous materials and the past releases of chemicals to the environment were deemed to be a REC.
- The vapor encroachment condition was not currently deemed to be a REC, due to the current use of the site (with no permanent onsite structures), and the proposed use of the site as a greenspace. If it is determined that structures will be built at the site, then this opinion will need to be re-evaluated at that time.
- The dumping and/or landfilling of the demolition debris at the site is a regulatory issue and due to the age of the debris and possibility of LBP or ACM in the debris, this was deemed to be a REC.

Phase II Environmental Site Assessment, August 3, 2018. Based on the RECs identified in the Phase I ESA, a Phase II ESA was conducted by GEC prior to Valley's purchase of the property. The Phase II ESA included the installation of 14 soil borings and three temporary monitoring wells to facilitate the sampling of soil and groundwater, and collection of samples from the demolition rubble to determine the presence of ACM and LBP. Sampling locations were based on GEC's review of historical mill maps and the findings from a Phase I ESA conducted in 2004. The following scope of work was conducted:

- Boring B-1 was installed in the proximity of the former 50,000-gallon aboveground storage tank (AST).
- Boring B-2 was installed down-gradient of former building No. 20, which was used as storage for 55-gallon drums of sodium hydrosulfite.

- Boring B-3 was installed in the general area of a former 550-gallon underground storage tank (UST).
- Borings B-4 and B-9 was installed near storage buildings on the adjacent property.
- Boring B-5 was installed in the general area of the former coal pile on the eastern portion of the property.
- Borings B-6 and B-14 were installed in the area of former transformer use.
- Borings B-7 and B-8 were installed in the area of former building No. 22, which was used for storing lubricating and hydraulic oil drums. A 500-gallon used oil UST and a 250-gallon UST used for storing kerosene and mineral spirits was also located in this area.
- Boring B-10 was installed down-gradient of the former 10,000-gallon Varsol tank and the 1,250,000-gallon open reservoir, which has been partially filled in with debris from onsite.
- Borings B-11 and B-12 were installed in the former area of five large USTs containing peroxide, caustic and silicate.
- Boring B-13 was installed in the general area of former building No. 10. This building was used to store empty chemical drums and served as the old chemical mixing area of a former bleachery.
- Temporary monitoring wells were installed in three borings where groundwater was encountered (B-1, B-10 and B-12) to facilitate groundwater sampling.
- Samples of materials in the demolition rubble were collected from 15 locations for laboratory analysis for ACM and/or scanning for LBP with an x-ray fluorescence (XRF) instrument. The items collected from various stock piles of debris as suspected ACM or LBP included floor mastic, metal braided wire wrap, roofing materials (shingles and felt paper), black mastic on the bottom of pieces concrete, a foundation coating, pieces of wood with various colors of paint, painted concrete, and flooring tiles.

Soil samples collected from the borings were analyzed for volatile organic compounds (VOCs), PAHs, PCBs, and the eight Resource Conservation and Recovery Act (RCRA) metals. Groundwater samples were analyzed for VOCs and PAHs. Laboratory results indicated the presence of some of these constituents in several soil samples, but all were below the EPA Regional Screening Levels (RSLs) for resident soils except for arsenic in two locations (0-5 feet), and PCBs in one location (0-5 feet). The arsenic concentrations appear to be consistent with background levels, and the sample containing PCBs is likely associated with an electrical transformer previously located in the sampling location. Five PAH constituents were detected in shallow soils (0-5 feet) in the former oil storage area

and former waste oil/kerosene and mineral spirits USTs area. The Phase II ESA report indicated the presence of building materials containing asbestos or coated with LBP mixed with the debris piles in several locations. Groundwater was only encountered in three borings, and all VOC and PAH concentrations were below detection limits. Key excerpts from the Phase I and II ESA reports conducted by GEC are included in **Appendix B**.

1.3 PROPOSED SITE REDEVELOPMENT

The City has been evaluating options for redevelopment of the property. Subsequent to cleanup, Valley intends to create a large greenspace for area residents to enjoy. The site will be seeded with grass, planted with trees, and maintained to create a park-like setting. The City is also evaluating the potential long-term redevelopment as single or multi-family housing.

2.0 VOLUNTARY PROPERTY ASSESSMENT ACTIVITIES

2.1 SITE-SPECIFIC QUALITY ASSURANCE PLAN

After award of the EPA cleanup grant, PPM was retained by the City to assist with site cleanup. PPM conducted confirmation sampling of the demolition rubble and storm water pond to characterize the wastes and determine appropriate disposal options. As required by the EPA, PPM prepared a Site-Specific Quality Assurance Project Plan (QAPP) prior to conducting any field sampling. The QAPP describes the quality assurance/quality control (QA/QC) components, systems, and procedures to be followed during collection of environmental data during the project, and was prepared in accordance with the *Brownfields Quality Assurance Project Plans, Interim Instructions, Generic QAPP and Site-Specific QAPP Addendum. Addendum for Brownfields Site Assessment and/or Cleanups, U.S. EPA, Region 4, revised November 2017*. The QAPP described the QA/QC and other technical activities that are implemented to ensure that the results of the work performed will satisfy the stated performance criteria.

The QAPP was also submitted to ADEM for review, and was approved and signed on January 17, 2020. The EPA then approved the QAPP on January 28, 2020. The signature pages and the narrative from the QAPP are included as **Appendix C, Agency Approval Documentation**. ADEM has a copy of the complete document on file.

2.2 DEMOLITION RUBBLE CONFIRMATION SAMPLING

2.2.1 Methodology

To reduce the volume of demolition rubble that must be transported for offsite disposal, confirmation samples were collected from the rubble piles to characterize the wastes and determine disposal options. The pile locations are shown in **Figure 3**. These sampling methods were presented in the approved QAPP and also approved by both the ADEM Redevelopment Section and the Solid Waste Division (see **Appendix C**). The following sampling methodology was conducted:

- The contents of the piles were visually estimated by excavating portions of them with a trackhoe. Pile contents (concrete rubble, brick, soil, wood, metal, miscellaneous demolition debris, etc.) were estimated at percent by volume and logged on field forms specifically created for this project. The site was discretized into four areas (A through D), and each pile was given a unique pile number for future reference.
- Composite samples were collected from each unique rubble pile. Ten grab samples were collected for each estimated 250-cubic yard increment of rubble (fewer representative samples were collected from debris piles that contained less than 250 cubic yards).
- The ten grab samples collected from each pile were then composited, pulverized, and containerized for laboratory analysis. The samples were placed in laboratory-supplied, 4-ounce glass jars and quart-sized zip-lock bags for delivery under chain-of-custody to an independent testing laboratory.
- The samples were analyzed for the presence of asbestos by polarized light microscopy (PLM), the EPA-approved method for analyzing bulk materials for asbestos and lead per EPA Method 6010. Detected lead concentrations were compared to residential and industrial RSLs to determine disposal options. Additionally, toxicity characteristic leaching procedure (TCLP) lead analysis per EPA Method 6030/6010 was conducted on samples with total lead above 100 milligrams per kilogram (mg/kg), to determine if the materials were hazardous.
- One duplicate sample per every 20 samples was submitted for QA/QC.

Laboratory results and visual estimations of pile contents provided the data needed to determine disposal options for the rubble piles prior to site redevelopment. Findings are presented in the following sections.

2.2.2 Findings

Demolition debris sampling was conducted at the site from February 18, 2020, to February 21, 2020. PPM personnel experienced in conducting environmental investigations and characterizing materials performed the sampling activities. Debris pile characterization and sampling field forms were used to document the contents of each pile and pertinent sampling information.

Sampling was deemed unnecessary at 20 of the 100 piles identified at the site. These piles were not sampled because they contained either mostly wood or metal which designated them for removal from the site, or were identified as piles of soil, not demolition debris. The remaining 80 piles were sampled (103 total samples collected) and analyzed for asbestos and total lead. Although materials that contain greater than 1 percent asbestos are considered by definition to be ACM, piles that were found to contain *any* detected asbestos fibers were designated for removal and disposal at a Subtitle D landfill as a conservative approach. Samples with total lead greater than 100 mg/kg were also analyzed for TCLP lead to determine if the concentration was indicative of materials that would be considered a characteristic hazardous waste. Piles containing total lead concentrations greater than the residential RSL of 400 mg/kg, and that were not deemed hazardous waste, were designated for removal and disposal at a Subtitle D landfill. Any piles determined to contain hazardous waste would be removed and disposed of at a hazardous waste landfill.

Laboratory Results

Eighteen of the 100 piles were determined to contain asbestos fibers and were designated for disposal at a Subtitle D landfill. Due to the irregular shape of the piles, it was difficult to accurately estimate the volume requiring removal. PPM calculated the pile volumes as a cube and a cone to arrive at a potential volume range of 900 to 2,600 cubic yards (CY). The median of this range is 1,750 CY, which seems a reasonable estimate of actual pile volumes based on observations in the field. This equates to an estimated 2,187 tons of material.

Eleven samples contained total lead concentrations greater than 100 mg/kg and those samples were analyzed for TCLP lead. All 11 TCLP lead samples were below the detection limit (<0.20) and thus were determined to be nonhazardous waste. One of these samples contained a total lead concentration that was 5,300 mg/kg, which is above the residential and industrial RSLs for lead. The pile associated with this sample, estimated to be 50 to 150 CY (median of 100 CY), also contained asbestos fibers, and thus was already

designated for disposal in a Subtitle D landfill. This equates to an estimated 125 tons of material. Laboratory results are summarized in **Table 1, Demolition Debris Pile Analytical Summary** in **Appendix D, Tables**. Complete laboratory reports are included in **Appendix E, Laboratory Reports**.

Pile Contents

Overall, roughly, 53 percent of the material at the site was described as concrete rubble, brick, or asphalt (considered to be inert materials per ADEM Solid Waste rules); 21 percent wood; 18 percent soil; 7 percent metal; and 1 percent miscellaneous demolition debris. Each pile contained varying amounts of some or all these materials. Seventy-three of the piles contained non-inert demolition materials of sufficient size to warrant mechanical separation from the inert materials, and these piles did not contain asbestos fibers or total lead above the residential RSL. The volume and material size of the non-inert materials in the remaining nine piles were deemed not worthy of mechanical separation. These nine piles are estimated to be 150 to 500 CY (median of 325 cy/40 tons), and along with the 18 piles containing asbestos fibers or lead above the RSL, are designated for removal and disposal at a Subtitle D landfill.

Based on the findings of the confirmation sampling, after on-site mechanical separation of inert material, an estimated total volume of 1,500 to 4,500 cubic yards CY (median of 3,000 CY/3,750 tons) of material are designated for disposal at a Subtitle D landfill. An estimated 950 to 2,800 CY (median of 1,875 CY) of wood will be stockpiled on site until a determination can be made regarding the proper fate of the material. An estimated 4,000 to 12,000 CY (median of 8,000 CY) of inert material (concrete rubble, brick, asphalt, and soil) will be left on site and used for fill material. This equates to an estimated 10,000 tons of material.

Examples of field forms used to estimate pile contents are included in **Appendix F, Field Forms**. **Figure 4, Cleanup Areas and Debris Pile Disposition**, indicates the designated fate of the piles including which piles contained asbestos fibers or total lead above are the residential RSLs. Estimated quantities are summarized in **Table 2, Demolition Debris Pile Volume/Weight Estimates**.

2.3 FORMER COOLING POND/WATER SUPPLY BASIN

PPM engaged the ADEM Groundwater Division and Industrial General Permit section in discussions regarding disposal options for the storm water that has accumulated in the

concrete-lined former cooling pond/water supply basin. The original plan was to remove a section of concrete from the bottom of the pond and allow it to slowly infiltrate into the subsurface. However, the Groundwater Division required an Underground Injection Control (UIC) permit to conduct this option, including the installation of groundwater monitoring wells. Due to the depth to groundwater and costs associated with installing the monitoring wells, discharge into the adjacent ditch was deemed to be a more feasible option. The ADEM Industrial Permit Section recommended that the storm water sample be analyzed for the parameters listed in *Application Form 2E, Manufacturing, Commercial, Mining, and Silvicultural Facilities Which Discharge Only Nonprocess Wastewater*. These parameters include biological oxygen demand (BOD), total suspended solids (TSS), Oil and Grease, Ammonia, and pH.

A storm water grab sample was collected from the former cooling pond on April 2, 2020 using a bailer and string. The sample was collected from the approximate center of the water column and submitted to Pace Analytical for analysis. Results were as follows:

Analysis	Result
BOD	<30 mg/L
TSS	48.0 mg/L
Oil & Grease	<5.3 mg/L
Ammonia (as N)	<0.10 mg/L
pH	7.2

PPM also conducted a field survey of the adjacent ditch and the downgradient receiving streams to determine if the ditch and streams had the capacity to handle the discharge without overruns, causing erosion, or undesirable pooling. The analytical data, along with a map illustrating the flow path were presented to the Industrial General Permit section, and the discharge was approved without permitting. Correspondence indicating this approval is included in **Appendix C**.

2.4 OTHER SCHEDULED ASSESSMENT/SAMPLING ACTIVITIES

A small area of PAH-impacted soils was identified in near-surface soils in the vicinity of the former USTs during the Phase II ESA conducted by GEC. During cleanup activities, an estimated 350 cubic yards CY/437 tons of shallow soil will be excavated from this area and stored onsite on plastic sheeting. Consistent with ADEM sampling requirements for UST sites, composite soil samples will be collected from the stockpiles (one sample per 20 CY) and analyzed for PAH per EPA Method 8270 and the eight RCRA metals per EPA Method 6010. GEC also collected soil samples for PCB analysis near the location of

electrical transformers previously used by the mill. PCBs (Aroclor 1442 and 1260) were detected in one boring (B-6) at the 0 to 5 foot sampling interval. An estimated 100 CY/125 tons of shallow soils will be excavated from this area and the stockpile tested for PCBs. Confirmation samples will also be collected from the base and sidewalls of these excavations to confirm that impacted soils have been effectively removed. The area to be excavated is shown in **Figure 4**. The sampling methods are described in detail in the approved QAPP, and the findings will be presented in the final Cleanup Report.

3.0 APPLICABLE REGULATIONS AND CLEANUP STANDARDS

3.1 CLEANUP OVERSIGHT RESPONSIBILITY

ADEM has the responsibility for overseeing solid waste, soil, and groundwater cleanups under a variety of regulatory programs. These include sites regulated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Program, the Brownfield Redevelopment and VCP, the UST Program, the RCRA Program, the Clean Water Act (CWA) program, the Solid Waste Program, and other sites being addressed through state statutory authority. ADEM's objective is to establish a consistent risk-based decision-making process for all sites, through which waste, soil and groundwater corrective action decisions are made.

As required by the EPA Cooperative Agreement Cleanup Grant, the site was entered into the ADEM VCP to facilitate rapid movement of the project through the regulatory process. Upon successful completion of cleanup activities Valley will request a Letter of Concurrence from ADEM for unrestricted use which will grant Valley the liability protections cited in the Act. The ADEM Solid Waste Division and the Industrial General Permit Section have also provided direction in the early stages of this project, which will help provide technical support to the ADEM VCP staff. Their role has included technical review and approval of the proposed solid waste and storm water sampling plans to help determine ultimate disposal strategies for the sampled media.

3.2 CLEANUP STANDARDS

3.2.1 Demolition Rubble

ADEM Solid Waste regulations require that friable and non-friable ACM be disposed of in a permitted landfill. Demolition rubble containing LBP generated from non-residential

structures must be disposed in a Subtitle D lined landfill with leachate collection and groundwater monitoring. Inert materials such as concrete, asphalt, uncontaminated soil, etc. are not regulated and can be used as on-site fill. Metal and painted wood must be removed from the inert materials prior to use as on-site fill. These requirements form the basis for the cleanup plan presented in **Section 4**. Correspondence indicating acceptance of this proposed method is included in **Appendix C**.

3.2.2 Soil and Groundwater

Soil impacts above EPA Residential RSLs were found in two locations: the former oil storage and kerosene/mineral spirits UST area and near a former electrical transformer. Elevated PAH and PCB concentrations were found in the upper 5 feet of soils only. The detected concentrations were compared to EPA RSLs to determine the appropriate course of action. Since the impacts appear limited in extent, and groundwater was not encountered in these areas, the shallow soils will be excavated until confirmation sampling indicates that concentrations are below Residential RSLs. This will result in classification for unrestricted use, without the need for additional subsurface investigation or risk assessment.

3.2.3 Storm Water in Former Cooling Pond

As presented in **Section 2.3**, the City has already received approval to discharge the water into the adjacent ditch based on the previous analytical testing. Therefore, the cleanup standards for this activity have already been met, and no further testing is required.

4.0 VOLUNTARY CLEANUP PLAN

4.1 ANALYSIS OF BROWNFIELD CLEANUP ALTERNATIVES

As required by the EPA, PPM submitted a draft ABCA report with the Cleanup Grant proposal. The draft ABCA provided summary information on the type and quantity of hazardous substances present at the site, alternatives for remediation of these substances, and recommendations for an alternative deemed to be most feasible to protect human health and the environment and to accomplish Valley's goal for site redevelopment. The cleanup alternatives were evaluated based on their effectiveness, implementability, and costs based on the initial Phase I and II ESAs. The alternatives evaluated included:

- **Cleanup Alternative 1:** No Action

- **Cleanup Alternative 2:** Permitting of the Site as a Construction & Demolition Landfill; Offsite Disposal of all LBP-containing Wastes in a Subtitle D landfill

- **Cleanup Alternative 3:** Excavation/offsite disposal of shallow PAH-impacted Soils; Offsite Disposal of all Demolition Materials at a Subtitle D Landfill

- **Cleanup Alternative 4:** Excavation/offsite Disposal of Shallow PAH-impacted Soils; Segregation and Use of Inert Demolition Material as on-site Fill; Offsite Disposal of all other Demolition Materials at a Subtitle D Landfill

The following assumptions were used in evaluating these alternatives, where applicable:

- The findings of the previously-conducted Phase II ESA were generally representative of site conditions (i.e. further site assessment would reveal no significant variances from the current conceptual site model).
- The total volume of demolition rubble present on the surface that must be addressed is estimated at 17,000 tons. This was determined by the following analysis:
    - Obtaining a current aerial photograph of the site from the Valley Police Department (drone footage) and importing it into AutoCad engineering software.
    - Outlining the waste piles present on the image, and determination of the square footage in each pile.
    - Site reconnaissance to confirm features depicted on the aerial image and estimation of pile heights.
    - Development of a volume (cubic yards) estimation spreadsheet using calculated square footage, average pile height, and pile shape (cube, cone, etc.).
    - Conversion from cubic yards to tons using an assumed average conversion factor of 1.5.

- The area of PAH-impacted soils in the vicinity of the former waste oil/UST area is limited in extent to an estimated 350 CY (1,000 tons), and has not impacted groundwater.
- The area of PCB-impacted soils in the vicinity of the former electrical transformer is limited in extent to an estimated 100 CY (300 tons), and has not impacted groundwater.
- Additional assessment/sampling will be limited to that associated with the profiling of the extent of rubble containing ACM and LBP; and collection of soil samples from the base and sidewalls of the waste oil/UST area following excavation of PAH and PCB-impacted soils.
- The storm water accumulated in the former cooling pond could be allowed to seep into the ground, or discharged to an adjacent ditch.
- The site will be entered into the ADEM VCP, but no additional soil borings, monitoring wells, risk assessments, etc. will be required by ADEM.

The following sections provide further analysis of these cleanup alternatives in relation to the planned site improvements and typical brownfields redevelopment considerations.

4.1.1 Alternative 1: No Action

Under this alternative in the draft ABCA, the site would be left in its present condition with the demolition rubble and PAH-impacted soils left as is. However, the presence of asbestos and LBP in the rubble may pose a current and long-term health risk to area residents should these contaminants become airborne. The only advantage to this alternative is the immediate avoidance of expenses that would be incurred by implementing full cleanup actions.

A second option to the "No Action" alternative would include installation of security fencing around the perimeter of the property to deter site entry. However, this would not prevent potential exposure to airborne contaminants. The only advantages to this alternative are reduction in liabilities associated with site entry and avoidance of cleanup costs. Neither option would serve as a long term solution of redevelopment.

No costs would be incurred for the "No Action" alternative. Should the option to install security fencing be implemented, direct costs would consist of those associated with fence installation. Indirect costs might include the continuing maintenance associated with the security fencing and vegetation control. Costs for this option are estimated at $50,000 for the fencing, plus $5,000/year for ongoing maintenance. Since this alternative does little to

protect the public or return the site to productive use, this alternative was not recommended in the draft ABCA, or in this final ABCA evaluation.

4.1.2 Alternative 2: Permitting of the Site as a Construction & Demolition Landfill; Offsite Disposal of all LBP Wastes in a Subtitle D Landfill

As presented in the draft ABCA, this alternative would include excavation and offsite disposal of the PAH and PCB-impacted soils in the former waste oil/UST area, and permitting of the site as a Construction & Demolition (C&D) Landfill in order to leave all allowable demolition materials in place. Meetings were held with the ADEM Solid Waste Division to discuss this alternative. The ADEM Solid Waste rules were modified in 2017, and the process of permitting a new landfill are now much more rigorous. Significant engineering costs would be incurred, as well as numerous public meetings and approvals to implement this option. In addition, the regional Solid Waste Management Plan may have to be modified to allow for the permitting of the new landfill. The process to complete these actions could take years, with no guarantee of approval. Demolition rubble containing LBP would still have to be segregated and transported to a Subtitle D landfill for disposal, as LBP cannot be disposed of in a C&D landfill. Other negatives associated with this alternative include the stigma of creating a permitted landfill (even if immediately closed after completion of the cleanup project) in the center of a residential area, which could affect property values.

Costs for this alternative were not evaluated, but are estimated to exceed $500,000. Based on the difficulties in permitting the site as a landfill, cost, time period, potential stigma, and unpredictability of the approval of this option, this alternative was not recommended in the draft ABCA, or in this final ABCA evaluation.

4.1.3 Alternative 3: Excavation/Offsite Disposal of Shallow PAH and PCB-Impacted Soils; Offsite Disposal of <u>all</u> Demolition Materials at a Subtitle D Landfill

Alternative 3 in the draft ABCA assumes that <u>all</u> the demolition wastes present at the site will contain ACM and LBP to the extent that the entire estimated 17,000 tons will have to be transported offsite for disposal at a Subtitle D landfill. Excavation of the small area of PAH and PCB-impacted soils would be included in this offsite disposal option.

On-site meetings were held with an environmental construction contractor experienced at similar large-scale removal projects to get a preliminary idea of the potential costs for such an action. Excavation, transport and disposal costs were estimated at $40 per ton for

disposal at the closest Subtitle D landfill, for a total cost of $680,000 for the estimated 17,000 tons. Costs for entry into the ADEM VCP, waste segregation sampling, and management by an Environmental Professional are estimated at an additional $100,000, for a total project cost of $780,000. While complete removal of the materials would be an effective method of cleanup, the City does not have the financial resources to incur such costs, even with the Cleanup Grant awarded by the EPA; therefore, this alternative was not recommended in the draft ABCA, or in this final ABCA evaluation.

4.1.4 Alternative 4: Excavation/Offsite Disposal of Shallow PAH and PCB-Impacted Soils; Segregation and Use of Inert Demolition Material as On-site Fill; Offsite Disposal of all other Demolition Materials at a Subtitle D Landfill

In the draft ABCA, Alternative 4 assumed that pre-construction testing would allow segregation of inert wastes from those that contain asbestos and LBP. Inert materials (concrete, asphalt, uncontaminated soils, etc.) would be used as fill on the sloped and low portions of the site and covered with clean backfill, subject to ADEM approval. The sampling plan to characterize the wastes, would be submitted to the ADEM Solid Waste Division for approval. Waste piles determined to contain ACM and LBP would be transported to a Subtitle D landfill for disposal. Disposal rates at a C&D landfill for those wastes containing ACM only will also be evaluated, but preliminary information indicates that the nearby Subtitle D landfill may charge a lower per ton rate than the closest C&D landfill. For cost estimating purposes, in the draft ABCA an estimated 7,800 tons were assumed to have to be transported to the Subtitle D landfill, and 9,200 tons of inert material would remain on site but moved to the lower areas of the site to be used as on-site fill. Excavation of the small area of PAH and PCB-impacted soils would also be transported offsite, if required.

On-site meetings were held with an environmental construction contractor experienced at similar large-scale removal projects to get a preliminary idea of costs for this alternative. In the draft ABCA, excavation, transport and disposal costs were estimated at $40 per ton for disposal in the Subtitle D landfill, for a total cost of $312,000 for the estimated 7,800 tons. Costs for movement of inert materials to the on-site fill area were estimated at $11 per ton, for a total of $102,300 (for 9,200 tons). Costs for entry into the ADEM VCP, waste segregation sampling, and management by an Environmental Professional were estimated at an additional $100,000, for a total project cost of $514,300. It should be noted that the volume of rubble requiring offsite disposal was not known at the time that the draft ABCA was prepared, and these estimates are provided for planning purposes only.

However, the results of the recently conducted waste characterization and confirmation sampling have confirmed that the total estimated project cost was reasonable even with variation in actual volumes of wastes present. Final costs will be determined through the solicitation of bids from qualified cleanup contractors. Costs for disposal of the storm water accumulated in the former cooling pond/water supply basin was anticipated to be limited to the sampling costs, assuming the water could be discharged into the ground or adjacent ditch, which has proven to be the case.

4.2 SELECTED CLEANUP ALTERNATIVE

The City has elected to implement Alternative 4 for site cleanup. The approach was deemed acceptable to the EPA based on the draft ABCA, resulting in award of the EPA Cleanup Grant. The ADEM Solid Waste Division and Industrial General Permit Division personnel have indicated that the proposed cleanup method is acceptable, subject to the results of the additional waste confirmation sampling and characterization. The cost to implement this approach appears to fit within the cost range of the Cleanup Grant ($500,000), plus a required 20 percent cost share of $100,000 by the City. This alternative meets the EPA implementability and effectiveness criteria at a cost that is compatible with the funds available from the awarded EPA Cleanup Grant. Details on the proposed cleanup techniques to be implemented are presented in the following sections.

4.2.1 Demolition Rubble

As presented in **Section 2.2.2**, 1,750 CY of the demolition rubble piles tested positive for the presence of asbestos. While the piles may not technically be classified as “asbestos containing materials” (defined as greater than 1 percent asbestos), the City has elected to transport all piles that tested positive for asbestos for offsite disposal at a Subtitle D landfill as a conservative approach. This volume is estimated at 2,187 tons of material. Lead concentrations above residential RSLs was detected in one pile of demolition rubble that also tested positive for the presence of asbestos and was already designated for disposal in a Subtitle D landfill.

Visual characterization of the piles indicated the presence of an additional 3,750 tons of material that contain enough solid waste debris from mill deconstruction to make it unsuitable for use as on-site fill. These materials will also be transported to the Subtitle D landfill for disposal. The remaining estimated 10,000 tons will be used as on-site fill after removing wood and metal pieces greater than 2 feet in length. City personnel have been segregating this material for disposal or recycling using their own internal labor force and

equipment to help meet the 20 percent cost share requirement. An estimated 1,875 CY of wood will be stockpiled onsite and removed by the City. Wood and metal pieces in the remaining piles greater than 2 feet in length will be removed by the construction contractor during loading, and placed to the side for pickup by the City. Based on the availability of funds and material suitability, the City may remove some of the remaining concrete walls, structures and pads and use them as on site fill.

The total volume that will be transported to the Subtitle D landfill is estimated at 3,750 tons of material. The remaining estimated 10,000 tons of inert material will be used as on-site fill in the area depicted in **Figure 4**.

4.2.2 Soil

As presented in **Section 1.2**, the only soil impacts at this site exceeding EPA Residential RSLs were found in soil in the vicinity of the former oil storage and kerosene/mineral spirits UST area and near former electrical transformer. Elevated PAH concentrations were found in the upper 5 feet of soils only in these areas. Since the PAH and PCB - impacted areas were limited in extent, and groundwater was not encountered in these areas, the shallow soils will be excavated until confirmation sampling indicates that concentrations are below Residential RSLs. This will result in classification for unrestricted use, without the need for additional subsurface investigation or risk assessment. The final disposition of the soil stockpiles will be determined after sampling and analysis of the excavated material.

4.2.3 Storm Water in Former Cooling Pond

As previously discussed, PPM secured ADEM approval to pump the accumulated storm water from the former cooling pond/water supply reservoir into the adjacent ditch. The City is using their own personnel and equipment to conduct these activities, and will remove a section of the pond bottom to prevent future storm water accumulations.

4.3 SUMMARY

The City of Valley has received a $500,000 cleanup grant from the EPA to address environmental conditions at this site, which includes a significant volume of demolition rubble impacted by asbestos and lead, solid waste materials that are unsuitable for on-site fill, shallow soils impacted by PAHs and PCBs, and a large accumulation of storm water in a former cooling pond. The City has entered the site into the ADEM VCP as a non-

responsible party, and has sufficiently characterized environmental conditions through pre-purchase due diligence assessments and additional sampling efforts that were approved by both EPA and ADEM. Cleanup alternatives have been evaluated, and a final remedy selected based on early input from the appropriate ADEM Divisions as described previously. Cleanup plans, specifications and bid documents are being prepared to select a qualified contractor to conduct the cleanup, which is scheduled for late summer 2020. The City seeks approval from the ADEM Redevelopment Section to proceed with the selected remedy.

5.0 AUTHORIZATION, IMPLEMENTATION, AND PUBLIC COMMENT

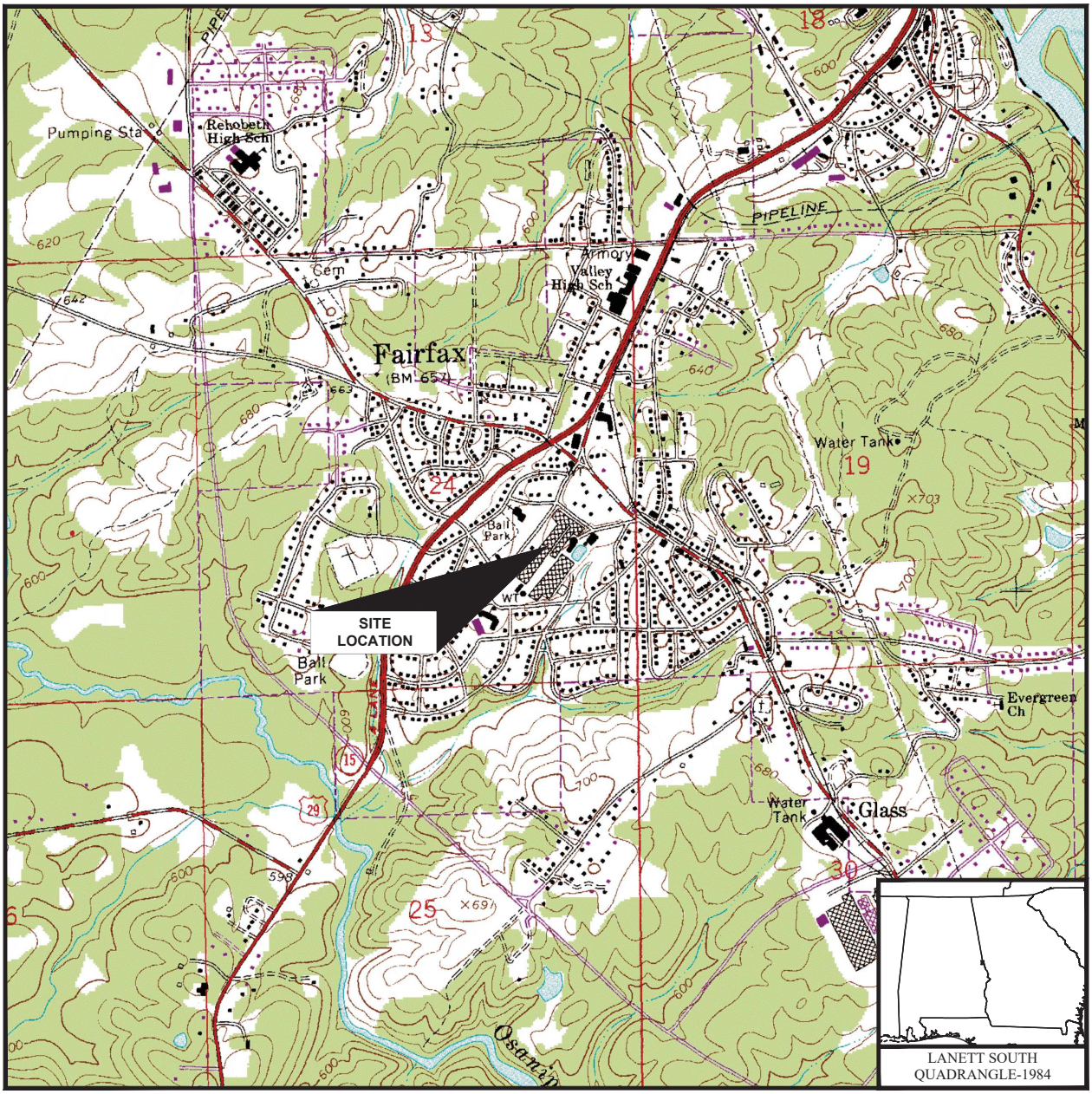
Though not relevant to the ADEM Redevelopment Section in the VCP, the EPA requires that ABCAs include the information contained in this section.

As the owner of the property, the City of Valley, as a government entity, is authorized under CERCLA 104(k) to perform cleanup activities at the site. Ownership transfer to the City occurred on August 24, 2018. The site is eligible for this funding as it is not listed or proposed for listing on the National Priorities List. It is not subject to unilateral administrative orders, court orders, administrative orders on consent, or judicial consent decrees issued to or entered into by parties under CERCLA. It is not subject to the jurisdiction custody, or control of the U.S. government.

The City has contracted an Environmental Professional to assist with conducting the work and ensure compliance with applicable environmental regulations. The ADEM VCP, Solid Waste, and Industrial General Permit Divisions have been involved with the process. Plans, specifications, and bid documents are under development to obtain bids from qualified environmental construction contractors in order to obtain bids for the construction aspects of the project. All work will conform to applicable federal, state, and local laws and regulations. The draft ABCA was provided for public comment prior to submittal of the Cleanup Grant application to EPA, and has been finalized as presented in this document. Cleanup reports will be submitted after to the EPA and ADEM after completion of cleanup activities.

APPENDICES

APPENDIX A – FIGURES



SCALE: 1 : 24,000

1 .5 0 1 MILES

1000 0 1000 5000 10,000 FEET

1 0 KILOMETER 1 2

1000 0 METER 1000 2000

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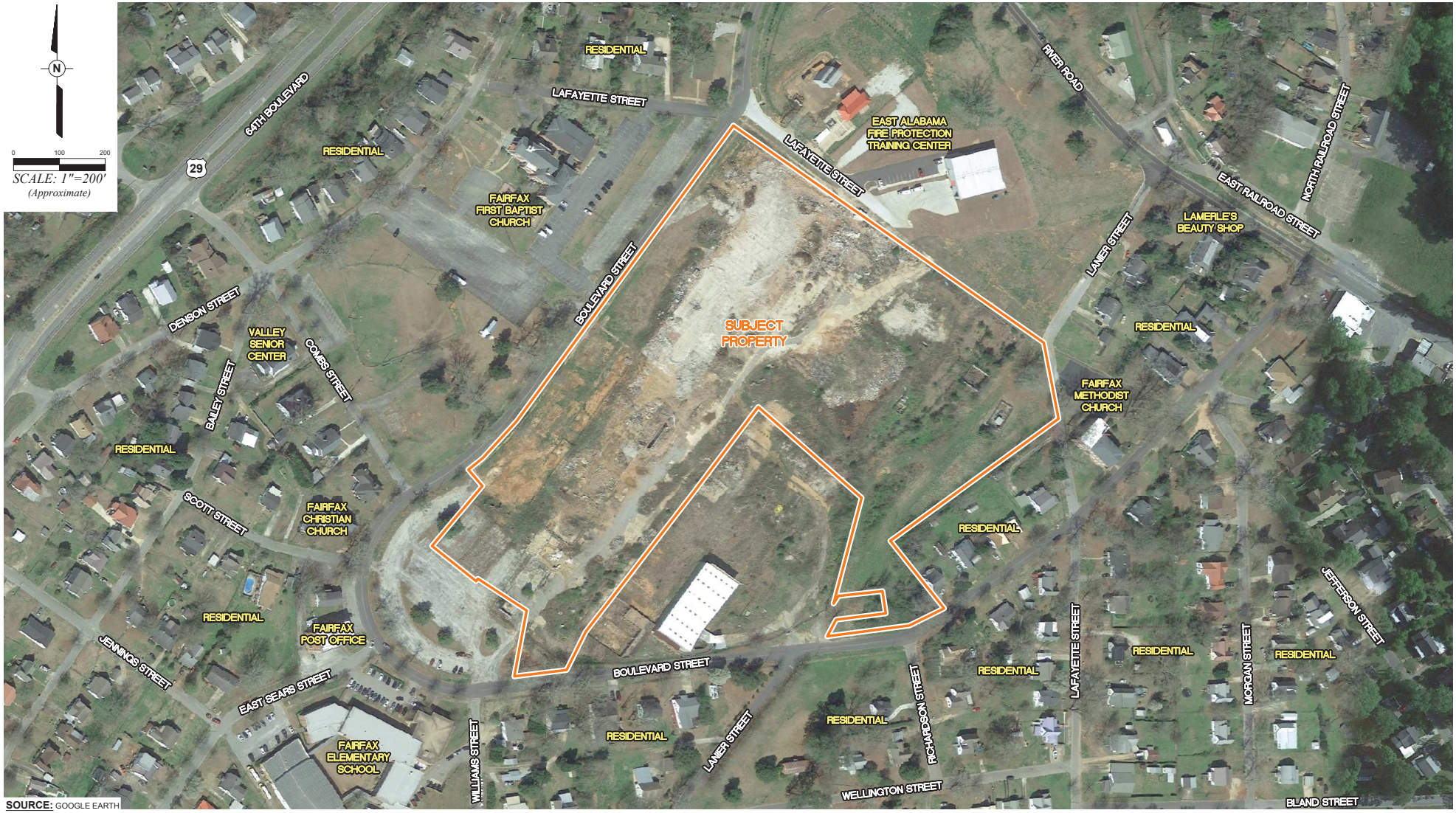
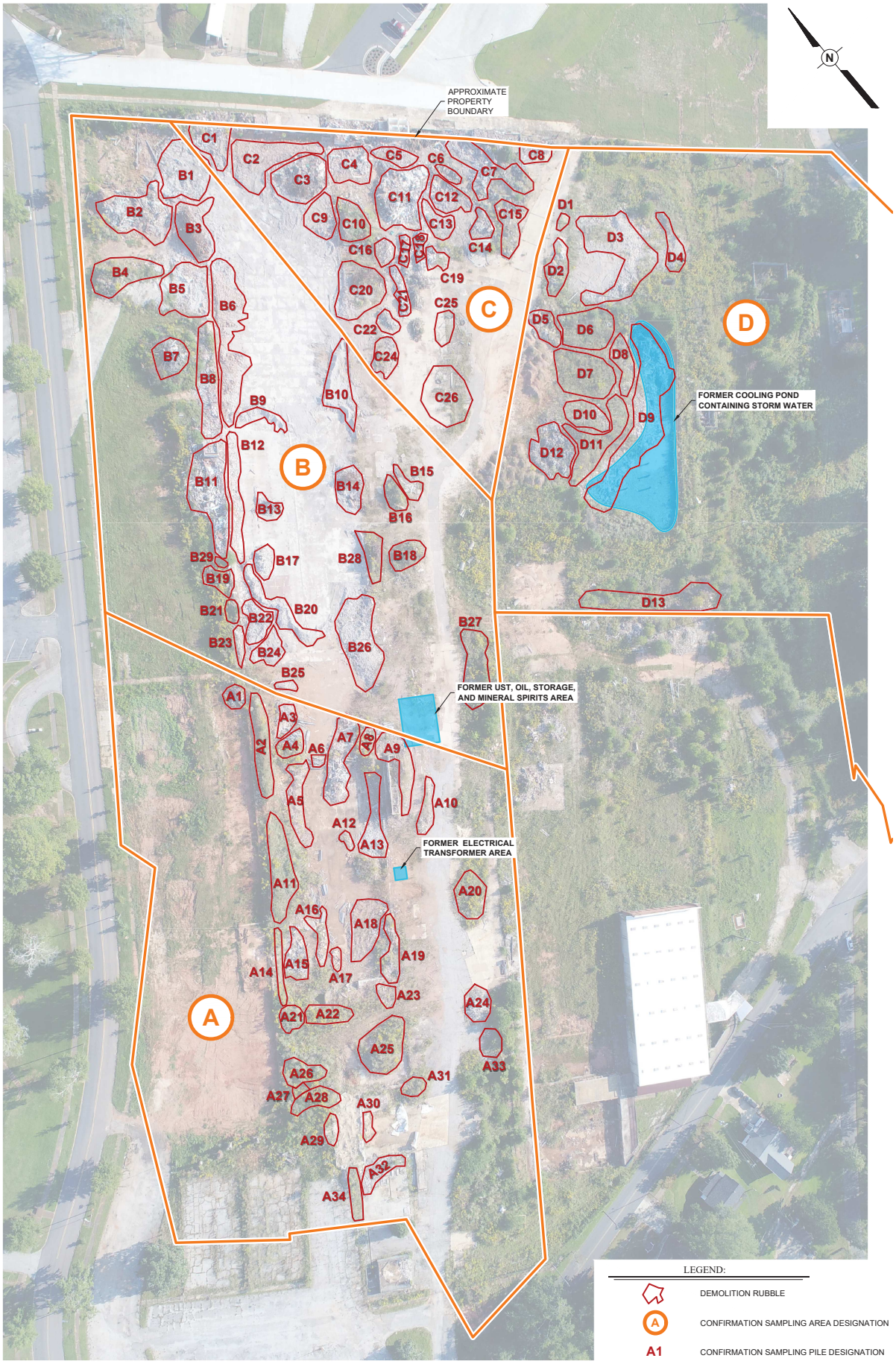
PPM CONSULTANTS, INC. www.ppmco.com		CITY OF VALLEY, ALABAMA **FORMER FAIRFAX MILL** 201 BOULEVARD STREET VALLEY, ALABAMA	SITE LOCATION/ TOPOGRAPHIC MAP
DRAWN BY: BWH	DRAWN DATE: 06/24/20		FIGURE NUMBER 1
PROJECT NUMBER: 40096601	PHASE: TASK 4		

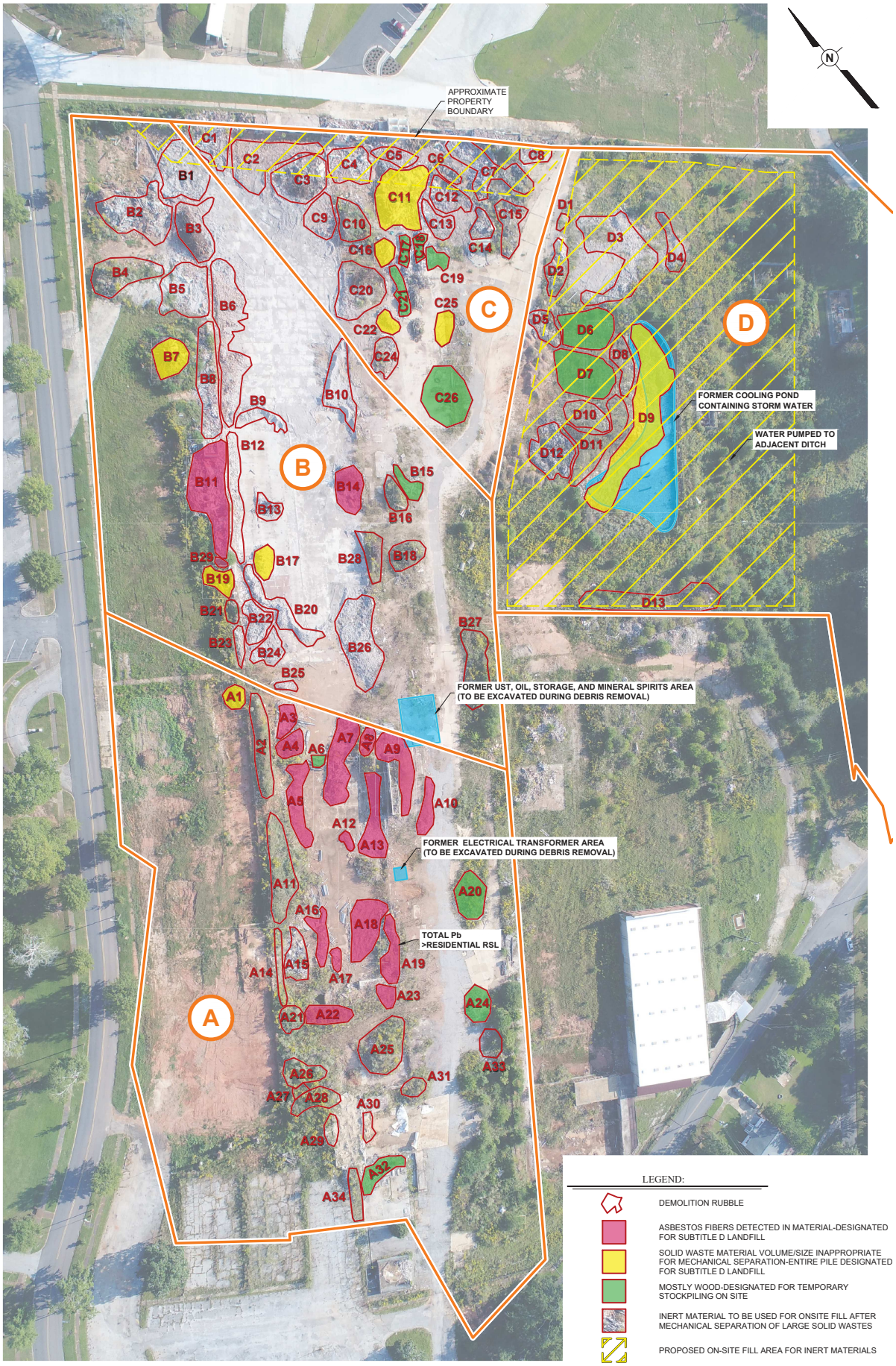


SOURCE: GOOGLE EARTH

PPM CONSULTANTS, INC. www.ppmco.com		CITY OF VALLEY, ALABAMA **FORMER FAIRFAX MILL** 201 BOULEVARD STREET VALLEY, ALABAMA	SITE / AREA MAP	FIGURE NUMBER
DRAWN BY: BWH	DRAWN DATE: 06/24/20			2
PROJECT NUMBER: 40096601	PHASE: TASK 4			



PPM — PPM CONSULTANTS, INC. www.ppmco.com	CITY OF VALLEY, ALABAMA **FORMER FAIRFAX MILL** 201 BOULEVARD STREET VALLEY, ALABAMA	APPROXIMATE LOCATIONS OF AREAS REQUIRING CLEANUP	FIGURE NUMBER 3
DRAWN BY: BWH / DRAWN DATE: 06/24/20			
PROJECT NUMBER: 40096601 / PHASE: TASK 4			



PPM CONSULTANTS, INC. www.ppmco.com	CITY OF VALLEY, ALABAMA **FORMER FAIRFAX MILL** 201 BOULEVARD STREET VALLEY, ALABAMA	CLEANUP AREAS AND DEBRIS PILE DISPOSITION	FIGURE NUMBER 4
DRAWN BY: BWH / DRAWN DATE: 06/24/20			
PROJECT NUMBER: 40096601 / PHASE: TASK 4			

APPENDIX B – BACKGROUND INFORMATION

KEY EXCERPTS FROM GEC PHASE I ESA

PHASE I ENVIRONMENTAL SITE ASSESSMENT

FORMER FAIRFAX MILL
250 BOULEVARD
VALLEY, CHAMBERS COUNTY, ALABAMA
GEC PROJECT NO.: 180478.340

PREPARED FOR

MR. SCOTT HARRIS
HARRIS GRAY LLC
824 3RD AVENUE
WEST POINT, GEORGIA 31833

PREPARED BY

GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, INC.
5031 MILGEN COURT
COLUMBUS, GEORGIA 31907

ISSUE DATE

JULY 13, 2018

GEC

GEC

GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, INC

July 13, 2018

Mr. Scott Harris
Harris Gray Llc
824 3rd Avenue
West Point, Georgia 31833

SUBJECT: Report of Phase I Environmental Site Assessment
Former Fairfax Mill
250 Boulevard
Valley, Chambers County, Alabama
GEC Project No.: 180478.340

Dear Mr. Harris:

Geotechnical & Environmental Consultants, Inc. (GEC) has completed a Phase I Environmental Site Assessment for the above referenced site in general accordance with ASTM E 1527-13, Standard Practice for Environmental Site Assessments. As required by the Practice, our evaluation included a records review, site reconnaissance, and interviews as detailed in the attached report.

GEC appreciates the opportunity to provide our professional services to you. If you have any questions concerning this report, or if we can be of further assistance, please feel free to contact our office.

Sincerely,
GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, INC.

Kevin R. Strumpler, P.G.
Senior Geologist
AL Reg. No. 1064

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APPENDIX 7: QUALIFICATIONS OF PERSONNEL

1.0 EXECUTIVE SUMMARY

Mr. Scott Harris, with Harris Gray LLC, retained Geotechnical & Environmental Consultants, Inc. (GEC) to perform a Phase I Environmental Site Assessment (ESA) on the subject property (as defined in Section 3.1 of this report). GEC is not affiliated with Mr. Harris, Harris Gray LLC, or the EAC Enterprises LLC(the current owner of the property).

The Phase I ESA was performed in general accordance with the American Society for Testing and Materials (ASTM) E 1527-13, Standard Practice for Environmental Site Assessments and their updates. The ASTM E 1527-13 is the most current ASTM standard for this work. The Phase I ESA consisted of a site reconnaissance of the subject property, review of applicable and reasonably ascertainable information about the subject property, and interviews with selected officials knowledgeable about the subject property. The Phase I ESA was intended to provide an overview of environmental conditions at the subject property resulting from current and/or past site activities.

The user of this report should read the entire report for detailed descriptions of the property and the observations and judgments made by GEC. The user is ultimately responsible for assessing whether the limitations of the ASTM Practice and this project's scope of work are appropriate to the level of risk the user assumes for the subject property transaction.

Interviews and review of reasonably ascertainable records by GEC during the completion of the Phase I ESA indicated past usage or conditions which would likely result in significant environmental concerns. The following information was identified during the course of this ESA:

- The operation as a cotton mill at the subject property is deemed to be a recognized environmental condition, due to the environmental issues historically found at these types of facilities.

- The former use/storage of petroleum products and other potential hazardous materials and the past releases of chemicals to the environment are deemed to be a Recognized Environmental Condition (REC).

- The vapor encroachment condition is not currently deemed to be a REC, due to the current use of the site (with no permanent onsite structures), and the proposed use of the site as a green space. If it is determined that structures will be built at the site, then this opinion will need to be re-evaluated at that time.

- The dumping and/or landfilling of the demolition debris at the site is a regulatory issue and due to the age of the debris and possibility of lead based paint or asbestos containing material in the debris, this is deemed to be a REC.

Based on the research and conclusions of this assessment, additional environmental assessment is deemed appropriate at this time.

2.0 INTRODUCTION

2.1 Purpose

The purpose of this Phase I ESA report is to permit the user to satisfy one of the requirements to qualify for the *innocent landowner* defense under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This is also known as one of the "landowner liability protections" or “LLPs” in the Practice. This practice constitutes the “all appropriate inquiry” (AAI) into the previous ownership and uses of the property consistent with good commercial or customary practice as defined at 42 USC §9601 (35) (B).

2.2 Detailed Scope of Services

This Phase I ESA was conducted in general accordance with ASTM E 1527-13 Standard Practice for Environmental Site Assessments. GEC’s scope of work for this Phase I ESA was to identify "recognized environmental conditions" to the extent feasible by the processes outlined in Practice E 1527 and in general accordance with good commercial and customary practices for conducting an environmental site assessment of a parcel of land with respect to the range of contaminants within the scope of CERCLA and petroleum products.

Practice E 1527 defines "recognized environmental conditions" (RECs) as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property, even under conditions in compliance with (environmental) laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action, if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not RECs.

The scope of Practice E 1527 does not include any testing or sampling of materials (e.g., soil, water, air, or building materials). Furthermore, GEC’s scope of work for this Phase I ESA did not address ASTM non-scope items such as asbestos containing materials (ACMs), radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural & historic resources, industrial hygiene, health and safety, ecological resources, endangered species, or for indoor air quality issues such as, biological agents, vapor intrusion, or mold.

GEC performed each of the four components (records review, site reconnaissance, interviews and a report of findings) of the ASTM E 1527 Phase I ESA in general accordance with Sections

6.0 through 12.0 of the Practice. The objective of the records review, site reconnaissance, and interviews is to obtain information used to identify RECs in connection with the property.

2.3 Significant Assumptions

The following assumptions were made by GEC in the preparation of this report. GEC relied on information derived from secondary sources including governmental agencies, the client (User), designated representatives of the client, property contact, property owner, property owner representatives, computerized databases, and personal interviews. Except as identified in this report, GEC has made no independent investigation as to the accuracy and completeness of the information derived from secondary sources. GEC assumes that information provided by or obtained from governmental agencies is accurate and complete unless proven otherwise during the study. Groundwater flow and depth to groundwater, unless otherwise specified by on property well data, are assumed based on contours depicted on the USGS topographic maps and field observations. GEC assumes that the property has been correctly and accurately identified by the client and others associated with the project. GEC assumes that the client, property owner, interviewees and others providing information on the property used good faith in answering questions and in obtaining information relative to the subject property.

2.4 Limitations and Exceptions

The conclusions of this Phase I Environmental Site Assessment are based on conditions as observed on our site visit and on historical information about the site. Information contained in this report was obtained by means of document review, interviews, and on-site observations. The conclusions presented in this report are our professional opinions based on our findings obtained in general accordance with customary practices, principles, and methodologies utilized in the fields of environmental science. Since no assessment can absolutely deny the existence of hazardous materials, especially surficial environmental assessments with limited or no subsurface sampling, existing hazardous materials can escape detection using the customary methods. Future changes in environmental conditions and site characteristics may occur with the passage of time, in which case, the conclusions of this report may have to be reevaluated.

2.5 Special Terms and Conditions

The Phase I Environmental Site Assessment was prepared in accordance with the stated and agreed upon Scope of Work. This report was specifically and only prepared for the identified specific client (user) and their designees and for their specific purpose; no other person or entity for any other purpose may use or rely on this report or its contents unless specifically authorized in writing by GEC. No other special terms and conditions are applicable to the Phase I Environmental Site Assessment.

2.6 User Reliance

This report is intended for the use of Harris Gray LLC, and their representatives for their use in evaluating the environmental liability associated with the subject property. GEC is not affiliated with Harris Gray LLC or EAC Enterprises LLC (the current owner of this property). GEC is not responsible for opinions, conclusions, or recommendations made by others based on the findings in this report. This report and its findings shall not, in whole or in part, be disseminated to any other party, or used by any other party without the prior written consent of Geotechnical & Environmental Consultants, Inc.

3.0 SITE DESCRIPTION

The following sections describe the subject site as it was encountered during the site reconnaissance, performed on June 26, 2018, as part of this ESA, or based on information reviewed as part of this ESA (from sources described within this report).

3.1 Location and Legal Description

The subject site, which is approximately 16.28-acres in size and consists of tax parcel 1706244001016000, is located in the Fairfax Village portion of Valley, Chambers County, Alabama. The subject property is encompassed by Boulevard to the east, south and west, and Lafayette Street to the north in Valley, Alabama. A site location map is included in Appendix 1 as Figure 1.

The client did not supply GEC with a legal description of the subject property.

3.2 Site and Vicinity General Characteristics

The subject property is currently unoccupied and has the remains of the former Fairfax Mill in various stages of demolition. The site vicinity currently consists primarily of residential, religious, and educational properties. A site map (current) is included in Appendix 1.

3.3 Current Use of the Property

The subject property is currently used as a demolition/recovery area for the former Fairfax Mill. There are numerous stockpiles of building materials from the demolition of the buildings that were once on the subject property.

3.4 Descriptions of Structures, Roads, Other Improvements on the Site

There are no structures currently on the site. The concrete foundations for several of the former buildings are still on site. An asphalt drive transects the site from southwest to northeast. No other roads or improvements were noted during the site reconnaissance. Site photographs are

included in Appendix 2.

Based on information from multiple sources, municipal water, electricity and sewage services are available to the subject property.

3.5 Current Uses of Adjoining Properties

Immediately to the southeast and adjacent to the subject property is a building owned by the Chattahoochee Humane Society. This property was formerly included as part of the Fairfax Mill property but was subdivided and sold to the Humane Society in 2015. The subject property is bordered by residential properties and a church to the east; and more single family residential structures to the south. From the southwest to the northwest, the subject property is bordered by educational and religious buildings, as well as a recreational field. To the north, a fire station and training facility is located across Lafayette Street.

4.0 USER PROVIDED INFORMATION

4.1 Title Records

The User did not provide GEC with any title information for the subject property. Additionally, the User did not request that GEC perform a title review for the subject property.

In an effort to obtain information on the subject property, personnel from GEC reviewed information concerning the subject property at the Chambers County Tax Assessor's website. The property tax information card indicates the owner of the property is EAC Enterprises, LLC. The records indicate that the current owner obtained parcel 12 17 06 24 4 001 016.000 on July 29, 2016, referenced in Deed Book 2016, Page 2811. A copy of the property information is attached in Appendix 3.

4.2 Environmental Liens or Activity and Use Limitations

The User did not provide GEC with any information regarding environmental liens or activity and use limitations in association with the subject property, nor did the client request that GEC perform that a search for environmental liens and use limitations be performed.

4.3 Specialized Knowledge

GEC was not provided any specialized knowledge or experience material to recognized environmental conditions in connection with the subject site.

The completed User Questionnaire was returned to GEC on June 21, 2018 via email, by Mr. Travis Carter, City of Valley. Based on the responses to the questionnaire, Mr. Carter was unaware of any environmental liens against the property. Mr. Carter was also unaware of any

land limitations or use restrictions involving the site. Mr. Carter indicated that the concrete reservoir had been mostly filled in with demolition debris on the subject property. A copy of the completed questionnaire is included in Appendix 5.

4.4 Commonly Known or Reasonably Ascertainable Information

GEC was not provided any common knowledge or other reasonably ascertainable information demonstrating recognized environmental conditions in connection with the subject site, except as has been developed over the course of research of this assessment and reported herein.

4.5 Valuation Reduction for Environmental Issues

The User did not indicate or provide any information regarding valuation reduction due to environmental issues, nor have any environmental issues been identified while conducting this Phase I ESA, which would affect the property valuation.

4.6 Owner, Property Manager, and Occupant Information

Based on information provided by the User or reviewed during the course of this ESA, the current property owner is the EAC Enterprises, LLC, 995 Starr Court, Auburn, Alabama 36830. The subject property is currently used as a demolition/recovery area for the former Fairfax Mill.

4.7 Reason for Performing Phase I

GEC was asked to perform a Phase I ESA (as part of the prospective loan/lease transaction with the subject property) in accordance with the current ASTM-E 1527-13 standard to qualify for the innocent landowner or prospective purchaser defense to CERCLA liability and to identify RECs that could impact the property's financial liability.

4.8 Other

Previous Environmental Studies

A Phase I Environmental Site Assessment, dated March 4, 2005, was provided for review by Mr. Eddie Lanier. The Phase I was issued by Atlanta Environmental Management Inc. (AEM). The plant was still partially operational when the Phase I was completed and the Phase I was conducted on the entire mill complex, which covered approximately 42 acres; the current Phase I is being conducted on 16.28 acres of that original complex. AEM identified nineteen (19) RECs at the subject property. Many of the RECs listed were identified due to the long term operation of the cotton mill. The RECs included areas of storage and use of coal, ASTs and USTs containing petroleum products and other chemicals, various areas of oil staining and pooled colored liquids across the site and the presence of PCB containing transformers at the property. A copy of the AEM Phase I is included in Appendix 3.

5.0 RECORDS REVIEW

5.1 Standard Environmental Record Sources

GEC contracted with a commercial database reporting company to conduct a site specific radius search and examination of reasonably ascertainable Federal, State, and Local regulatory files concerning the site and nearby sites which have been targeted for clean-up or investigation, sites and facilities against which complaints have been filed, or sites on which generators of hazardous waste or regulated substances are located. A copy of the database report is included in Appendix 4. A list of the databases reviewed (including the currency of the records, their definitions and the sources for these records, as well as the search distances) is included in the database report.

Database Survey

The database report identified the subject property on several federal, state or local databases.

The report identified sites, within applicable radii of the subject site, on the following databases:

Database Summary

Database	No. of Sites Listed
AST	1
UST	3
FINDS	1
RCRA-CESQG	1
RCRA NonGen/NLR	3
ECHO	1
ICIS	1

GEC assessed the listed sites for potential environmental impacts to the subject property using the following criteria: (**1**) relative distance between the subject property and the regulated site, (**2**) topographic features and proximity of the subject property to the regulated site; GEC follows the generally accepted premise that shallow groundwater flow direction can be reasonably expected to mimic surface topography, and (**3**) common inferences about the nature and relevance of the regulatory listing with regard to the subject property.

The listed sites are summarized in the following table. Any site for which the REC determination was influenced by information other than that described in the paragraph above, that additional information is discussed following the table.

Facility Summary

Facility Name	Database(s)	Distance	Direction	Presumed Hydraulic Orientation	Deemed REC? Y/N
WPS Fairfax Finishing Plant 201 Boulevard	RCRA NonGen/NLR, PADS	Subject Property	-	-	Y
Westpoint Home, Inc. 201 Boulevard	RCRA NonGen/NLR	Subject Property	-	-	Y
Fairfax Mill 201 Boulevard	AST	Subject Property	-	-	Y
West Point Pepperell Machinery Maint 402 Boulevard	RCRA NonGen/NLR	Subject Property	-	-	Y
Fairfax Mill 201 Boulevard	UST, Financial Assurance	Subject Property	-	-	Y
CV Experss-Pure 304 River Road	UST, Financial Assurance	800 ft.	E	Up-Gradient	N
Fred Melton Service Station 308 River Road	UST, Financial Assurance	875 ft.	E	Up-Gradient	N
WestPoint Home, Inc 1016 Martex Ave	RCRA-CESQG, ICIS, FINDs, ECHO	4,950 ft.	E	Up-Gradient	N

Note: The WestPoint Home, Inc. site was incorrectly mapped on the database report. This distance in the table above is based off the actual location of the facility

Orphan Sites

The commercial database reporting company will proved a list of the "orphan summary" sites for sites which were not mapped due to poor or inadequate address information. For this subject property, there were no orphan sites listed.

Vapor Encroachment

GEC performed a Tier 1 Vapor Encroachment Screening (Tier 1) of the subject property, as part of this ESA. The Tier 1 screening was performed in general accordance with Sections 8.1.3.1 through 8.1.3.9 (which describes the Tier 1 process) of the *ASTM E 2600-10 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.*

GEC's methodology for performing this vapor encroachment screening consisted of assessing all the information collected in the Phase I investigation, including information collected in site

reconnaissance, interviews, historical documentation and actual or probable chemical usage on the target property or nearby property.

A review of the information for the subject property indicates that eight facilities are within the area of concern (AOC) of the subject site. GEC assessed the listed facilities for vapor encroachment on the subject property using the following criteria: (1) relative distance between the subject property and the facility, (2) presumed (or known) groundwater flow direction; GEC follows the generally accepted premise that shallow groundwater flow direction can be reasonably expected to mimic surface topography, (3) common inferences about the nature and relevance of the regulatory listing with regard to the subject property, and (4) the nature of the chemicals of concern (petroleum vs. non-petroleum) released or potentially released from the facility. The following table summarizes the facilities located within the AOC.

Facility Summary

Facility Name	COC	Distance from Subject Property	Presumed Hydraulic Orientation	Deemed VEC? Y/N
WPS Fairfax Finishing Plant 201 Boulevard	Non-Petroleum	Subject Property	-	N
Westpoint Home, Inc. 201 Boulevard	Non-Petroleum	Subject Property	-	N
Fairfax Mill 201 Boulevard	Petroleum	Subject Property	-	Y
West Point Pepperell Machinery Maint 402 Boulevard	Non-Petroleum	Subject Property	-	N
Fairfax Mill 201 Boulevard	Petroleum	Subject Property	-	Y
CV Experss-Pure 304 River Road	Petroleum	800 ft.	Up-Gradient	N
Fred Melton Service Station 308 River Road	Petroleum	875 ft.	Up-Gradient	N
WestPoint Home, Inc 1016 Martex Ave	Non-Petroleum	4,950 ft.	Up-Gradient	N

Based on the results of the Tier 1 Vapor Encroachment Screening, GEC is of the opinion that a vapor encroachment condition exists for the subject property, due to onsite use of petroleum products.

5.2 Additional Environmental Record Sources

The additional environmental record sources (Section 8.2.2 of the ASTM E 1527-13 standard) are included in the "State and Local Records" section of the database report (Appendix 4). These additional environmental record sources include local Brownfields, local landfill/solid waste disposal sites, local hazardous waste/contaminated sites, local registered storage tanks, emergency release reports (Spills), and contaminated public wells. No other environmental records are believed available, and no additional environmental record sources were deemed necessary.

5.3 Physical Setting Sources

Physical Setting/Topographic Map

The subject property can be found on the Lanett South, Alabama, Quadrangle of the U.S.G.S. 7.5-minute series Topographic Map with contour intervals of 20 feet printed in 2014. This map was obtained in digital format, which included an aerial photograph overlay. A copy of the pertinent portions of this topographic map, showing the subject property and the surrounding area, is presented as Figure 2 in Appendix 1.

On the topographic map, the site is shaded white, indicating open land. No structures appear on the subject site on this topographic map.

The site elevation, as shown on the topographic map, ranges from approximately 680 to 635 feet above mean sea level, and the down slope of on-site surface drainage features currently appears to be to the southeast. Based on review of the topographic map and observations made during the site reconnaissance, the inferred direction of shallow groundwater flow at the subject site should be to the southeast.

Geologic Setting

The subject site is located within the Piedmont Physiographic Province of Alabama.

The Piedmont Province is composed of igneous and metamorphic rocks, most commonly granites, granitic gneiss, and schists. These rocks have undergone extensive alterations, folding and faulting during the mountain building episodes, which produced the Appalachian Mountains, and have since experienced a long period of stability. Chemical and physical weathering has produced the present topography. The general Piedmont subsurface profile consists of clayey soils near the surface, which grade into silty sands and sandy silts with depth. Soils beneath the upper clayey zones often retain and exhibit the relic structure (banding, foliation) of the parent rock and are termed saprolite. A zone of weathered rock often separates saprolite from hard relatively unweathered bedrock. The various rock types resist weathering in different degrees depending on their chemical composition, fracturing, jointing, and bedding, so the depth to bedrock is often quite erratic and can vary over a

short distance. Also, it is not unusual to find lenses of partially weathered rock and hard rock boulders within the saprolite. Alluvial, or water deposited, soils are present in association with rivers and streams. These soils consist of interlayered sands silts and clay with varying amounts of organic materials.

5.4 Historical Use Information on the Property

The purpose of the historical review of the subject property is to develop a history of the site and the activities that occurred there, in an effort to identify any past uses or activities that may have resulted in recognized environmental conditions in association with the subject property. The following standard historical sources were sought and/or consulted in constructing the history of the subject site:

Aerial Photographs - GEC reviewed readily available aerial photographs of the subject property, to assist in developing the historic usage of the site. The photos were obtained through a commercial database search firm and from Google Earth™. Aerial photographs from the years of 1942, 1950, 1958, 1962, 1969, 1971, 1985, 1993, 2007, 2011, 2015, and 2017 were obtained for the purposes of this investigation. The aerial photographs reviewed for the subject site are included in Appendix 3.

Sanborn Fire Insurance Maps - GEC contacted a database report firm to search for Sanborn Fire Insurance Maps, which were devised by insurance adjusters as early as the 1800s to show the use of properties at specified dates for the purpose of determining the risk of fire. The maps also identify businesses and activities, as well as some construction details, for those properties they cover. The Sanborn Maps are helpful in identifying historical environmental concerns that may have otherwise been unrecorded or left no evidence of their existence. A copy of the Sanborn map report is included in Appendix 3.

City Directories - GEC contracted with a database report firm to search for city directories, which have been published for cities and towns across the U.S. since the 1700s. Originally a list of residents, the city directory developed into a sophisticated tool for locating individuals and businesses in a particular urban or suburban area. Twentieth century directories are generally divided into three sections; a business index, a list of resident names and addresses, and a street index. With each address, the directory lists the name of the resident or, if a business is operated from this address, the name and type of business (if unclear from the name). While city directory coverage is comprehensive in major cities, it may be spotty for rural areas and small towns. A copy of the City Directory report is presented in Appendix 3.

Historical Topographic Maps – GEC contacted a database report firm to search for historical topographic maps of the subject property and surrounding area. A copy of the historical topographic map report is included in Appendix 3.

The following provides a summary of the subject site history based on the reviewed historical documentation, as described in the above paragraphs.

Historically, the subject property appears to have been developed primarily by the mill, in the earliest aerial photograph reviewed (1942). Multiple mill structures, or portions of structures, are noted on the subject property, in this photograph. On this map, a residential dwelling, was shown on the subject property. In this aerial photograph, residential structures are also noted, on the eastern portion of the subject property. Additional mill buildings appear on the 1950 Sanborn Map. The subject property maintained this general configuration from 1950 until 2007, as seen on the corresponding aerial photos. On the 2007 aerial photo, it is noticed that some of the mill buildings have been demolished. Demolition continued until the subject property appears as it does on the 2017 map, where all the former mill buildings have been removed and only portions of the building slabs remain on the site.

5.5 Historical Use Information on Adjoining Properties

Historically, the subject property has been bordered by Boulevard, to the west and south, and Lafayette Street to the north and south. Since the earliest Sanborn Map (1922) and the aerial photo (1942), residential, religious, and educational structures have surrounded the subject property, which is was typical in most cotton mill towns. Sometime between 1999 and 2005, a fire station was constructed north of the subject property. In 2015, the subject property was subdivided, with the approximately 4.29 acres of the southeastern portion of the subject property being sold to the Chattahoochee Humane Society.

6.0 SITE RECONNAISSANCE

GEC performed a site reconnaissance of the subject property on June 26, 2018. All comments included in this section refer to the conditions at the time of the site reconnaissance only. Selected photographs taken identified during the site reconnaissance are included in Appendix 2.

6.1 Methodology and Limiting Conditions

GEC's methodology for performing the Environmental Site Assessment (ESA) was in general accordance with ASTM E 1527-13. No significant limiting conditions were encountered during the site reconnaissance.

6.2 General Site Setting

The site is approximately 16.28-acres in size, and is located in Valley, Chambers County, Alabama. During the site reconnaissance, the subject property was unoccupied and has the remains of the former Fairfax Mill in various stages of demolition.

Historically, the subject property began operations as a cotton manufacturing mill in 1915. Since

the mill ceased operations in 2007, demolition of the former mill buildings has taken place. During the site reconnaissance, GEC observed a mixture of open land, former building pads, and piles of demolition debris.

6.3 Exterior Observations

During the site reconnaissance, the following items were used as visual indicators of potential on-site contamination sources: (1) surface spills or disposal areas of liquids or solids; (2) surface storage of drums; (3) areas of distressed vegetation, stained soils/pavement, or odors; (4) solid waste and/or fill areas; (5) site drainage features or water bodies (including pits, ponds, or lagoons); (6) waste water; (7) wells and/or septic systems; and (8) general housekeeping and maintenance.

6.3.1 Drums

None noted.

6.3.2 Hazardous Substances & Petroleum Products in Connection with Identified Users

None noted.

6.3.3 Storage Tanks

No storage tanks were noted during the site reconnaissance. The containment areas are still noticeable at the site.

6.3.4 Odors

None noted.

6.3.5 Pools of Liquid

None noted.

6.3.6 Hazardous Substance and Petroleum Products Containers (Not Necessarily in Connection With Identified Uses)

None noted.

6.3.7 Unidentified Substance Containers

None noted.

6.3.8 PCBs

None noted.

6.3.9 Pits, Ponds, or Lagoons

During operations as a cotton mill, the subject property had a 1.25 million gallon open reservoir. During the site reconnaissance, most of the reservoir had been filled in with debris from the demolition of the former mill structures.

6.3.10 Stained Soil or Pavement

Soil and paving staining was noted in multiple locations across the site. These areas did not, however, appear to represent a significant release and are deemed to be de minimis.

6.3.11 Stressed Vegetation

None noted.

6.3.12 Solid Waste

Multiple stock piles of demolition debris are located across the site. The stock piles include wood, brick, metal, asphalt, and other materials used to construct the mill. Also, as discussed in Section 6.3.9, debris from the demolition of the former mill structures has been dumped to fill in most of the reservoir.

6.3.13 Wastewater

No wastewater was observed discharging into a drain, ditch or stream on or adjacent to the subject property during GEC's site reconnaissance.

6.3.14 Water Supply & Wells

No public or private wells were noted on the property. According to various sources, public water is available to serve the subject site.

6.3.15 Sewage Disposal/Septic System

There were no septic systems noted on the property. According to various

sources, municipal sewer is available to serve the subject site.

6.4 Interior Observations

There are no structures currently on the site.

7.0 INTERVIEWS

7.1 Interview with Owner

As part of this ESA, GEC supplied (through the client) an Owner Questionnaire to the owner of the subject property. The completed Owner Questionnaire was returned to GEC on June 21, 2018 via email, by Mr. Travis Carter, City of Valley. Mr. Carter indicated he is aware of the use of the property as a cotton manufacturing facility. Mr. Carter further indicated, to his understanding, no chemicals, or hazardous materials have been used on the subject property. Mr. Carter indicated that demolition debris had been buried or disposed of on site. Mr. Carter further indicated that he was unaware of any environmental cleanup liens or activity and use limitations for the subject property.

7.2 Interview with Site Manager

On July 9, 2018, representatives with GEC spoke to Mr. Eddie Lanier via telephone. Mr. Lanier formerly worked at the mill and has extensive knowledge of the mill's operations. When asked about storage tanks on the subject property, Mr. Lanier stated that there were several aboveground and underground storage tanks used at the property. Mr. Lanier indicated that all of the ASTs have been removed and that the USTs were removed or closed-in-place. When asked about any past releases into the environment, Mr. Lanier stated that there had been sodium hydroxide and #6 fuel oil releases at the site. Mr. Lanier went on to state that each of the releases had been remediated by excavating the contaminated area and disposing of the contaminated soil at an appropriate landfill.

7.3 Interview with Occupant

Due to the subject property being vacant, no occupants were interviewed. The lack of interviews with the current or past occupants is not considered to be a significant data gap, since significant information beyond what was available from other interviews and the public record is not expected.

7.4 Interviews with Local Government Officials

Environmental Health Department

As part of this ESA, GEC personnel forwarded an information questionnaire to the local health

department. At the time this report was issued, no response had been received. If a response is subsequently received, that would significantly alter the conclusions of this ESA, the client will be notified immediately.

Fire Department

As part of this ESA, GEC personnel forwarded an information questionnaire to the local fire department. At the time this report was issued, no response had been received. If a response is subsequently received, that would significantly alter the conclusions of this ESA, the client will be notified immediately.

8.0 FINDINGS

GEC has completed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E 1527-13 on the subject property.

Data gaps experienced during the course of this Phase I ESA include the following:

- Intervals between aerial photographs longer than five years. Intervals between topographic maps longer than five years.
- The lack of complete title history on the property.
- The lack of an environmental lien or activity and use limitations review for the property.
- The lack of interviews with the Local Officials.

GEC has completed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 on the approximately 16.28-acre subject property encompassed by Boulevard to the east, south and west, and Lafayette Street to the north in Valley, Alabama The following was identified about the subject property, during the course of this ESA:

- The review of the information, during the course of this ESA, identified the subject property, due to the operations of the former cotton mill, on several environmental databases. The cotton mill operated at this location for approximately 92 years.

- Multiple aboveground and underground storage tanks were present at the subject property during the operation of the cotton mill. The storage tanks stored petroleum products (gasoline and/or heating oil) and other potentially hazardous materials (peroxide, caustic, silicate, varsol, etc.)

- The vapor encroachment screening indicated that a vapor encroachment condition exists at the subject property, due to the aforementioned, storage tanks.

- Dumping and/or landfilling of demolition debris from the former mill structures.

9.0 OPINION

Based on the information reviewed during the course of the Phase I ESA, the following is noted regarding the items listed in the Findings section, above:

- None of the above datagaps are deemed to be significant, based on the availability of information from other sources, as well as the lack of development in the intervening years; with the exception of the lack of interviews from Local Officials, which are deemed to be significant datagaps.

- The operation as a cotton mill at the subject property is deemed to be a recognized environmental condition, due to the historical nature of these types of facilities.

- The former use/storage of petroleum products and other potential hazardous materials and the past releases of chemicals to the environment are deemed to be a Recognized Environmental Condition (REC).

- The vapor encroachment condition is not currently deemed to be a REC, due to the current use of the site (with no permanent onsite structures), and the proposed use of the site as a green space. If it is determined that structures will be built at the site, then this opinion will need to be re-evaluated at that time.

- The dumping and/or landfilling of the demolition debris at the site is a regulatory issue and due to the age of the debris and possibility of lead based paint or asbestos containing material in the debris, this is deemed to be a REC.

10.0 CONCLUSIONS

GEC has completed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E 1527-13 on the subject property. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property. Based on the research and conclusions of this assessment, additional environmental assessment is deemed appropriate to address the potential for an impact to the subject property.

11.0 DEVIATIONS

GEC has completed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13, with no deletions or deviations.

12.0 ADDITIONAL SERVICES

The User requested no additional services, outside the ASTM 1527-13 prescribed scope, as part of this Phase I ESA.

13.0 REFERENCES

American Society for Testing and Materials (ASTM) E 1527-13, Standard Practice for Environmental Site Assessments
Chambers County Tax Assessor
United States Geological Survey (U.S.G.S.)
Georgia Geologic Survey
Environmental Data Resources, Inc. (EDR)
www.googleearth.com (aerial photographs)
Alabama Department of Environmental Management (ADEM)
AEM March 4, 2015 Phase I Environmental Site Assessment

14.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Geotechnical & Environmental Consultants, Inc. (GEC) has completed a Phase I Environmental Site Assessment of the above referenced site in general accordance with the most current ASTM standard (ASTM E 1527-13, Standard Practice for Environmental Site Assessments). The conclusions presented in this report are our professional opinions based on our findings obtained in general accordance with customary practices, principles, and methodologies utilized in the fields of environmental science and engineering. Other than this, no warranty is implied or intended.

GEC declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professionals* as defined in §312.10 of 40 CFR 312, and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Kevin R. Strumpler

Kevin R. Strumpler, P.G.
Senior Geologist
AL Reg. No. 1064

Jason A. Cooper

Jason A. Cooper, P.E.
Branch Manager
AL Reg. No. 29656

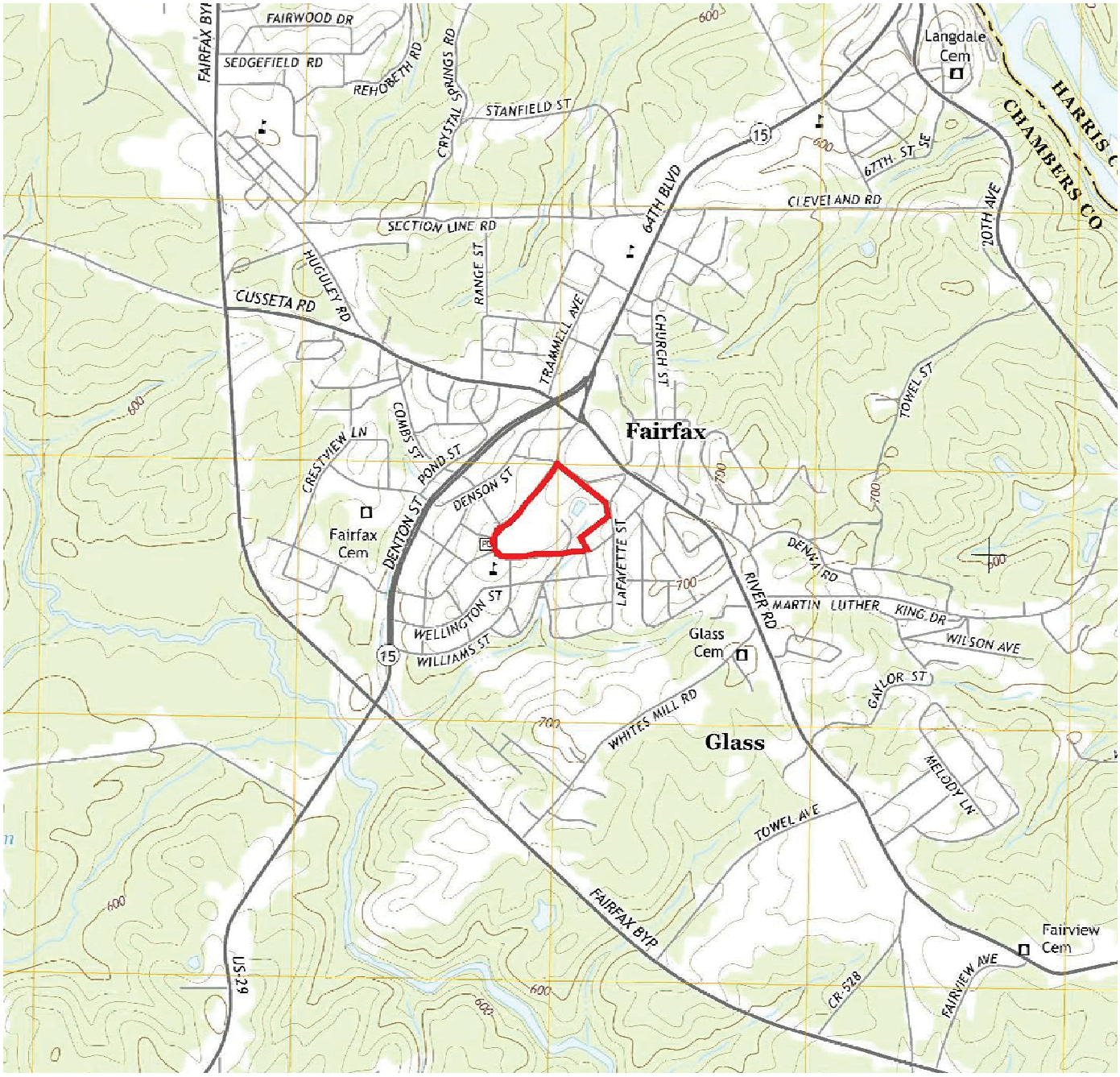
15.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Resumes for the Environmental Professionals providing this report are included in Appendix 7.

APPENDIX 1

MAPS & FIGURES

FIGURE 1:
Site Location/U.S.G.S. Topographic Map
Former Fairfax Mill
250 Boulevard
Valley, Chambers County, Alabama
GEC Project No.: 180478.340
Approximate Scale: 1” = 2,000’



2000' 0 2000' 4000' 6000'

APPROXIMATE SCALE: 1" = 2000'

MAG-DATE

N

= Approximate Boundary of Subject Property

FIGURE 2:
2016 Aerial Photograph
Former Fairfax Mill
250 Boulevard
Valley, Chambers County, Alabama
GEC Project No.: 180478.340
Approximate Scale: 1” = 400’

400' 0 400' 800' 1200'

APPROXIMATE SCALE: 1" = 400'

MAG-DATE

N

= Approximate Boundary of Subject Property

APPENDIX 2

SITE PHOTOGRAPHS

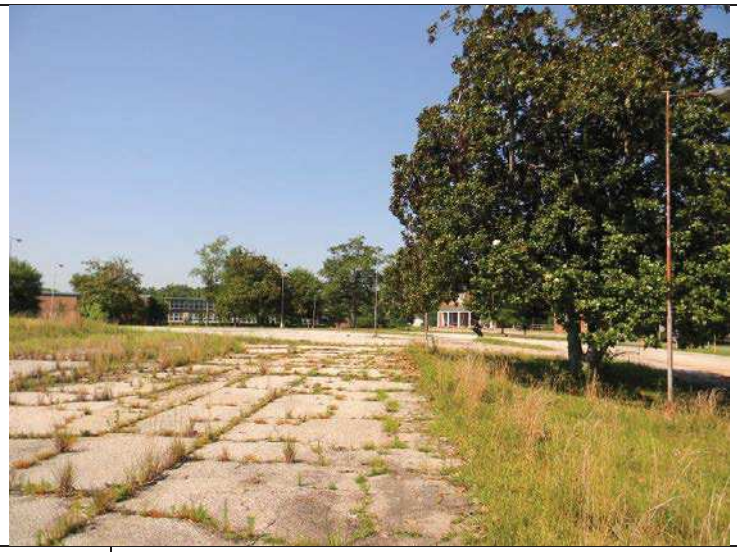
			
Photo 1:	Northern view of western property line of subject property.	Photo 2:	Southwestern view from southwest corner of subject property.
Photo 3:	Western view from southwest corner of subject property.	Photo 4:	Northwestern view from southwest corner of subject property.

Photo 5:	Northwestern view of southwest property line of subject property.

Photo 6:	Southeastern view of adjacent property.

Photo7:	Photo of AST containment area.

Photo 8:	Photo of demolished water tower.

Photo 9:	Northern view along onsite drive.	Photo 10:	Northern view along onsite drive.
Photo 11:	Photo of demolition debris.	Photo 12:	Northern view of former cotton mill building footprint. Demolition debris scattered throughout.

Photo 13:	Northern view of former cotton mill building footprint.

Photo 14:	Southern view of former cotton mill building footprint.

Photo 15:	Southern view of adjacent Humane Society property.

Photo 16:	“Covered” manhole on subject property.

Photo 17:	Photo of demolition debris on the subject property.	Photo 18:	Photo of the remaining portion of the onsite reservoir. Filled with demo debris.
Photo 19:	Photo of demo debris on northern portion of subject property.	Photo 20:	Southwestern view from northern portion of subject property.

Photo 21:	Photo along northern fence line.

Photo 22:	Eastern view of subject property interior from northern boundary.

Photo 23:	Northern view of adjacent fire station.

Photo 24:	Northwestern view along northeastern boundary of subject property.

Photo 25:	Northern view from eastern boundary of subject property.

Photo 26:	Eastern view from eastern boundary of subject property

Photo 27:	Southern view from eastern boundary of subject property

Photo 28:	Northwesten view from eastern boundary of subject property

Photo 29:	Photo of demo debris from northern property line.

Photo 30:	Photo of fire department training area to the north of the subject property.

Photo 31:	Photo of former building pads.

Photo 32:	Eastern view from northeastern corner of subject property.

Photo33:	Southern view from northeastern corner of subject property.	Photo 34:	Southwestern view of subject property from northeastern corner of subject property.
Photo35:	Northern view from northeastern corner of subject property.	Photo36:	Western view from northeastern corner of subject property.

Photo37: Demo debris located on subject property.

Photo 38: Demo debris located on subject property.

Photo39: Demo debris located on subject property.

Photo 40: Photo of building pad of former cotton mill.

Photo41:	Demo debris located on western portion subject property.	Photo 42:	Photo of subfloor access portal.
Photo43:	Photo of manhole located on site.	Photo 44:	Northern view from southeastern corner of subject property.

Photo45:	Western view from southeastern corner of subject property.	Photo 46:	Eastern view from southeastern corner of subject property.
Photo47:	Southern view from southeastern corner of subject property.		

APPENDIX 3

HISTORICAL RESEARCH DOCUMENTATION

KEY EXCERPTS FROM GEC PHASE II ESA

REPORT OF LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT FORMER FAIRFAX MILL 250 BOULEVARD GEC PROJECT NO.: 180478.341

PREPARED FOR

HARRIS GRAY LLC
824 3RD AVENUE
WEST POINT, GEORGIA 31833

PREPARED BY

GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, INC.
5031 MILGEN COURT
COLUMBUS, GEORGIA 31907

AUGUST 3, 2018
(Revised August 8, 2018)

GEC

GEC

GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, INC

August 3, 2018
(Revised August 8, 2018)

Mr. Scott Harris
Harris Gray LLC
824 3rd Avenue
West Point, Georgia 31833

SUBJECT: Report of Limited Phase II Environmental Site Assessment
Former Fairfax Mill
250 Boulevard
Valley, Chambers County, Alabama
GEC Project No.: 180478.341

Dear Mr. Harris:

Geotechnical & Environmental Consultants, Inc. (GEC) has completed a Limited Phase II Environmental Site Assessment (ESA) for the above-referenced site. The following report details our scope of work for the Phase II services, our protocol for intrusive sampling and laboratory analysis of physical media, laboratory analytical results, and our conclusions relative to the work performed.

GEC appreciates the opportunity to provide our professional services to you. If you have any questions concerning this report, or if we can be of further assistance, please feel free to contact our office.

Sincerely,
GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, INC.

Jeremy Burke

Jeremy S. Burke, E.I.T.
Staff Engineer

Jason A. Cooper, P.E.
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APPENDIX 2:
- **Laboratory Analytical Reports**
- **Chain of Custody**

APPENDIX 3:
- **Soil Boring Logs/Monitoring Well Details**

APPENDIX 4:
- **Photographs**

APPENDIX 5:
- **Fact Sheet – Management of Demolition Waste**

1.0 BACKGROUND

The subject property is currently unoccupied and has the remains of the former Fairfax Mill. The Phase I ESA, dated July 13, 2018, identified the following Recognized Environmental Conditions:

- The operation as a cotton mill at the subject property is deemed to be a recognized environmental condition, due to the environmental issues historically found at these types of facilities.

- The former use/storage of petroleum products and other potential hazardous materials and the past releases of chemicals to the environment are deemed to be a Recognized Environmental Condition (REC).

- The vapor encroachment condition is not currently deemed to be a REC, due to the current use of the site (with no permanent onsite structures), and the proposed use of the site as a green space. If it is determined that structures will be built at the site, then this opinion will need to be re-evaluated at that time.

- The dumping and/or landfilling of the demolition debris at the site is a regulatory issue and due to the age of the debris and possibility of lead based paint or asbestos containing material in the debris, this is deemed to be a REC.

Based on these RECs associated with the onsite concerns from the former uses of the mill, additional environmental assessment was recommended. The client wishes to perform the limited Phase II ESA at the site, prior to purchase of the property.

2.0 SCOPE OF WORK

The Phase II ESA consisted of the installation of fourteen soil borings into the subsurface at the site to facilitate the sampling of subsurface media (soil and groundwater). The boring installations, groundwater sampling, laboratory analyses, and analytical results are discussed in more detail in the following paragraphs.

Boring B-1 was performed in the proximity of the former 50,000-gallon AST noted in Figure 3. Boring B-2 was performed down-gradient of former building No. 20, which was used as storage for 55-gallon drums of sodium hydrosulfite. Boring B-3 was performed in the general area of the former 550-gallon USTs. Borings B-4 and B-9 was performed due to the storage buildings on the adjacent property. Boring B-5 was performed in the general area of the former coal pile on the eastern portion of the property. Borings B-6 and B-14 were performed in the area of former transformer use. Borings B-7 and B-8 were performed in the area of former building No. 22, which was used as storage of lubricating and hydraulic oil drums. Also, there was one 500-gallon UST that was used for waste oil and one 250-gallon UST for kerosene and mineral spirits. Boring B-10 was performed

down-gradient of the former 10,000-gallon varsol tank and the 1,250,000-gallon open reservoir, which has been partially filled in with debris from onsite. Borings B-11 and B-12 were performed in the former area of 5 large USTs containing peroxide, caustic and silicate. Boring B-13 was performed in the general area of former building No. 10. This building was used to store empty chemical drums and served as the old chemical mixing area of a former bleachery.

3.0 INTRUSIVE SAMPLING

3.1 Soil Boring

On July 17, 2018 GEC supervised the installation of fourteen subsurface borings at the locations indicated on Figure 2. The borings were installed using a skid-steer mounted Geoprobe rig. Soil sampling was performed utilizing a stainless-steel sampling device, equipped with acetate liners.

Prior to introduction into the subsurface, all downhole apparatus was thoroughly decontaminated by steam cleaning, or washing with a Liquinox detergent solution and rinsing with potable water. On-site personnel wore new disposable latex or nitryl gloves when handling any probe or sampling equipment in order to prevent cross-contamination of laboratory samples.

The borings were extended to the following approximate depth below the existing ground surface: B-1 (45 ft.), B-2 (10 ft.), B-3 (10 ft.), B-4 (10 ft.), B-5 (10 ft.), B-6 (10 ft.), B-7 (10 ft.), B-8 (10 ft.), B-9 (10 ft.), B-10 (30 ft.), B-11 (10 ft.), B-12 (35 ft.), B-13 (10 ft.) and B-14 (10 ft.). The approximate depth to groundwater, encountered in some of the borings at the time of sampling (≈ 24 hours after drilling), is as follows: B-1 (31.75 ft.), B-10 (13.60 ft.) and B-12 (20.75 ft.).

Soil samples were collected from the borings (at 5 feet intervals) and screened with a photo ionization detector (PID) for the presence of volatile constituents. The results of the screening are shown on the borings logs included in Appendix 3. A total of 13 samples were submitted for laboratory analysis. The samples were evacuated directly from the tubing into the laboratory provided containers (with appropriate preservative). The sample containers were then packaged in a cooler on ice with appropriate chain-of-custody documentation, and were shipped by overnight carrier to the analytical laboratory for the selected analyses.

3.2 Groundwater Sampling

Upon completion of the installation of the borings, a temporary monitoring well was emplaced into three of the borings (B-1, B-10 and B-12). The temporary monitoring wells were constructed of varying lengths of 0.010” slotted, 1” ID PVC screen, with 1” ID PVC riser to the surface. Specific construction details for each well are shown on the individual boring/well logs in Appendix 3.

On July 18, 2018, the temporary monitoring wells were sampled, utilizing a peristaltic pump, with dedicated nylon tubing. The samples were evacuated directly from the tubing into the laboratory provided containers (with appropriate preservative). The sample containers were then packaged in a

cooler on ice with appropriate chain-of-custody documentation, and were shipped by overnight carrier to the analytical laboratory for the selected analyses.

3.3 Debris Sampling for Asbestos/LBP

At the time of the Phase II ESA, debris piles, from the demolition of the former mill, were noted throughout the property. Additionally, the former reservoir had been mostly filled with debris from the former mill. As part of the site evaluation, select samples of building material were collected from various debris piles across the site, for laboratory analysis for asbestos and/or scanning for lead with an XRF. The items collected from various stock piles of debris as suspected asbestos containing materials or lead based paint included floor mastic, metal braided wire wrap, roofing materials (shingles and felt paper), black mastic on the bottom of pieces concrete, a foundation coating, pieces of wood with various colors of paint, and flooring tiles.

4.0 LABORATORY RESULTS

The soil and groundwater samples retrieved from the site were overnighted to Analytical Environmental Services, Inc. (AES) in Atlanta, Georgia, for analysis for volatile organic compounds (VOCs), poly-nuclear aromatic hydrocarbons (PAHs), poly-chlorinated biphenyls (PCBs) and RCRA metals. A copy of the laboratory report is included in Appendix 2 of this report.

The analytical results for the thirteen soil samples collected at the site, and submitted for laboratory analyses, indicate that the following constituents are present at concentrations exceeding the laboratory detection limits: Acetone, Tetrachloroethene, 1,1,1-Trichloroethane, Trichlorofluoromethane, Aroclor 1242, Aroclor 1260 , Arsenic, Barium, Chromium, Lead, Nickel, Zinc, Naphthalene, Acenaphthylene, 1-Methylnapthalene, 2-Methylnaphthalne, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene, and Indeno(1,2,3-cd)pyrene. One or more of these constituents were detected in all thirteen of the samples submitted for analysis. Exceedances of the applicable EPA Regional Screening Levels (RSL) release notification concentration, for soil, were noted for twenty-four constituents (Acetone, Tetrachloroethene, 1,1,1-Trichloroethane, Aroclor 1242, Aroclor 1260 , Arsenic, Barium, Lead, Nickel, Zinc, Naphthalene, 1-Methylnapthalene, 2-Methylnaphthalne, Acenaphthene, Fluorene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Dibenz(a,h)anthracene and Indeno(1,2,3-cd)pyrene) in nine samples (B-3 @ 0-5, B-4 @ 0-5, B-5 @ 0-0.5, B-6 @ 0-5, B-7 @ 0-5, B-8 @ 0-5, B-11 @ 0-5, B-13 @ 0-5 and B-14 @ 0-5).

The results of the laboratory analyses of the groundwater samples indicate that none of the analyzed constituents were exhibited in concentrations exceeding the laboratory reporting limits.

The results of the scanning/analysis indicated that various materials contain asbestos and/or lead-based paint. The following materials were determined to contain asbestos: roofing felt (20%

chrysotile), roofing tar (5% chrysotile), and concrete slab underlayment mastic (3% chrysotile).

Yellow and green painted surfaces (along with underlying paint colors) were determined to contain sufficient lead to be deemed lead based paint. Representative photos of the paint, deemed to be LBP, are included in Appendix 4.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the soil samples collected at the site, chemicals of concern (COCs) were encountered at the subject property, in concentrations exceeding the laboratory detection limits, which constitutes a release. Several of these constituents, were encountered at concentrations exceeding the applicable EPA Regional Screening Level concentrations. If the property is acquired, the owner of the property is required to make notification of the release to ADEM. Alternately, notification of this release can be made through submittal of the Voluntary Cleanup Program (VCP) through the Alabama Brownfield Program.

Building materials, determined to contain asbestos and/or were coated with LBP, were identified to be mixed with the debris piles across the site, as well as the material disposed in the former reservoir. The noted asbestos containing material, while not normally friable, due to its exposure to the environment (and/or fire), appears to have been rendered friable.

In the state of Alabama, asbestos containing materials, friable or non-friable, may be disposed of in any permitted landfill. Materials containing lead-based paint, from a non-residential structure, must be disposed in a lined landfill with leachate collection and groundwater monitoring. See the Management of Demolition Waste fact sheet in Appendix 5 for further information. Based on the fact that much of the LBP and asbestos containing materials at the site have been mixed with the other demolition debris, this material should be removed from the site and disposed in an approved landfill.

6.0 USER RELIANCE

This report is intended for the use of Harris Gray, LLC, and their representatives for their use in evaluating the environmental liability associated with the subject property. GEC is not affiliated with Harris Gray, LLC. GEC is not responsible for opinions, conclusions, or recommendations made by others based on the findings in this report. This report and its findings shall not, in whole or in part, be disseminated to any other party, or used by any other party without the prior written consent of Geotechnical & Environmental Consultants, Inc.

APPENDIX 1

GEC

Former Fairfax Mill
250 Boulevard
Valley, Chambers County, Alabama
GEC Project No. 180478.341

TABLE 1
SOIL ANALYTICAL RESULTS
PAHs

Sample ID	Sample Date	Naphthalene	Acenaph-thylene	1-Methyl-naphthalene	2-Methyl-naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benz(a) anthracene	Chrysene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(a) pyrene	Dibenz(a,h) anthracene	Benzo(g,h,i) perylene	Indeno(1,2,3-cd) pyrene
B-2 @ 0-5	7/17/2018	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
B-3 @ 0-5	7/17/2018	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
B-3 @ 5-10	7/17/2018	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
B-4 @ 0-5	7/17/2018	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
B-5 @ 0-0.5	7/17/2018	**1.7**	BRL	**2.8**	**2.8**	BRL	BRL	2.7	BRL	2.50	**2.00**	**0.63**	1.3	**0.98**	BRL	BRL	BRL	BRL	BRL
B-6 @ 0-5	7/17/2018	BRL	BRL	BRL	BRL	BRL	BRL	0.6	BRL	1.10	1.00	**0.41**	0.48	**0.66**	BRL	BRL	BRL	BRL	BRL
B-7 @ 0-5	7/17/2018	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.48	0.43	BRL	BRL	**0.58**	BRL	**0.39**	BRL	BRL	BRL
B-8 @ 0-5	7/17/2018	**1.2**	0.53	**0.71**	**0.83**	**2.3**	**2.6**	22	5.6	**30**	**26**	**16**	**13**	**18**	**3.9**	**12**	**2.8**	8.2	**7.2**
B-9 @ 0-5	7/17/2018	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.42	0.4	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
B-11 @ 0-5	7/17/2018	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
B-11 @ 5-10	7/17/2018	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
B-13 @ 0-5	7/17/2018	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
B-14 @ 0-5	7/17/2018	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Protection of Groundwater		0.00054	NL	0.006	0.019	0.55	0.54	NL	5.8	8.9	1.3	0.011	9	0.3	2.9	0.24	0.096	NL	0.98
Resident Soil		3.8	NL	18	24	360	240	NL	1800	240	180	1.1	110	1.1	11	0.11	0.11	NL	1.1
CAS Number		91-20-3	208-96-8	90-12-0	91-57-6	83-32-9	86-73-7	85-01-8	120-12-7	206-44-0	129-00-0	56-55-3	218-01-9	205-99-2	207-08-9	50-32-8	53-70-3	191-24-2	193-39-5
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/Kg

*EPA Regional Screening Levels
Protection of groundwater exceedances are shown in bold font.
Resident soil exceedances are shown in bold, red font

NT - not tested
NA - not applicable
NL - not listed

mg/Kg - milligrams per kilogram

BRL - below reporting limits

Former Fairfax Mill
250 Boulevard
Valley, Chambers County, Alabama
GEC Project No. 180478.341

TABLE 2
SOIL ANALYTICAL RESULTS
VOCs, PCBs, RCRA Metals

Sample ID	Sample Date	Acetone	Tetrachloroethene	1,1,1-Trichloroethane	Trichlorofluoro methane	Other VOCs	Aroclor 1242	Aroclor 1260	Other PCBs	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Nickel	Selenium	Silver	Zinc
B-2 @ 0-5	7/17/2018	0.19	BRL	BRL	BRL	BRL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
B-3 @ 0-5	7/17/2018	NT	NT	NT	NT	NT	NT	NT	NT	BRL	43.6	BRL	35.9	**15.4**	BRL	BRL	BRL	BRL	29.7
B-3 @ 5-10	7/17/2018	BRL	BRL	BRL	BRL	BRL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
B-4 @ 0-5	7/17/2018	**0.32**	BRL	BRL	BRL	BRL	NT	NT	NT	BRL	32.4	BRL	22.4	13.6	BRL	**5.15**	BRL	BRL	22.4
B-5 @ 0-0.5	7/17/2018	NT	NT	NT	NT	NT	NT	NT	NT	**9.19**	77	BRL	12.6	11.50	BRL	**5.75**	BRL	BRL	**73.5**
B-6 @ 0-5	7/17/2018	BRL	BRL	BRL	BRL	BRL	**0.063**	**17**	BRL	BRL	**93.3**	BRL	28.5	**18**	BRL	**14.1**	BRL	BRL	**63.3**
B-7 @ 0-5	7/17/2018	BRL	BRL	BRL	BRL	BRL	NT	NT	NT	BRL	4.31	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
B-8 @ 0-5	7/17/2018	BRL	**0.01**	**0.41**	0.013	BRL	NT	NT	NT	BRL	76.5	BRL	19.5	**121.0**	BRL	**4.47**	BRL	BRL	**414**
B-9 @ 0-5	7/17/2018	0.12	BRL	BRL	BRL	BRL	NT	NT	NT	BRL	26.3	BRL	34.2	13.8	BRL	BRL	BRL	BRL	23.2
B-11 @ 0-5	7/17/2018	NT	NT	NT	NT	NT	NT	NT	NT	**5.95**	**132**	BRL	31	**144**	BRL	**6.85**	BRL	BRL	**2,230**
B-11 @ 5-10	7/17/2018	BRL	BRL	BRL	BRL	BRL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
B-13 @ 0-5	7/17/2018	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	**133**	BRL	37.9	**16.9**	BRL	**35.9**	BRL	BRL	**97.6**
B-14 @ 0-5	7/17/2018	0.14	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	81.4	BRL	42.7	**19**	BRL	**10.8**	BRL	BRL	**58.9**
Protection of Groundwater		0.29	0.0018	0.07	0.33	NA	0.0012	0.0055	NA	0.29	82	7.1	180,000	14	0.1	2.6	0.26	0.08	37
Resident Soil		6,100	8.1	810	2,300	NA	0.22	0.22	NA	0.68	1,500	7.1	NL	400	1.1	150	39	39	2,300
CAS Number		67-64-1	127-18-4	71-55-6	75-69-4	NA	53469-21-9	11096-82-5	NA	7440-38-2	7440-39-3	7440-43-9	7440-47-3	7439-92-1	7439-97-6	7440-02-0	7782-49-2	7440-22-4	7440-66-6
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg

*EPA Regional Screening Levels
Protection of groundwater exceedances are shown in bold font.
Resident soil exceedances are shown in bold, red font

NT - not tested
NA - not applicable
NL - not listed

mg/Kg - milligrams per kilogram

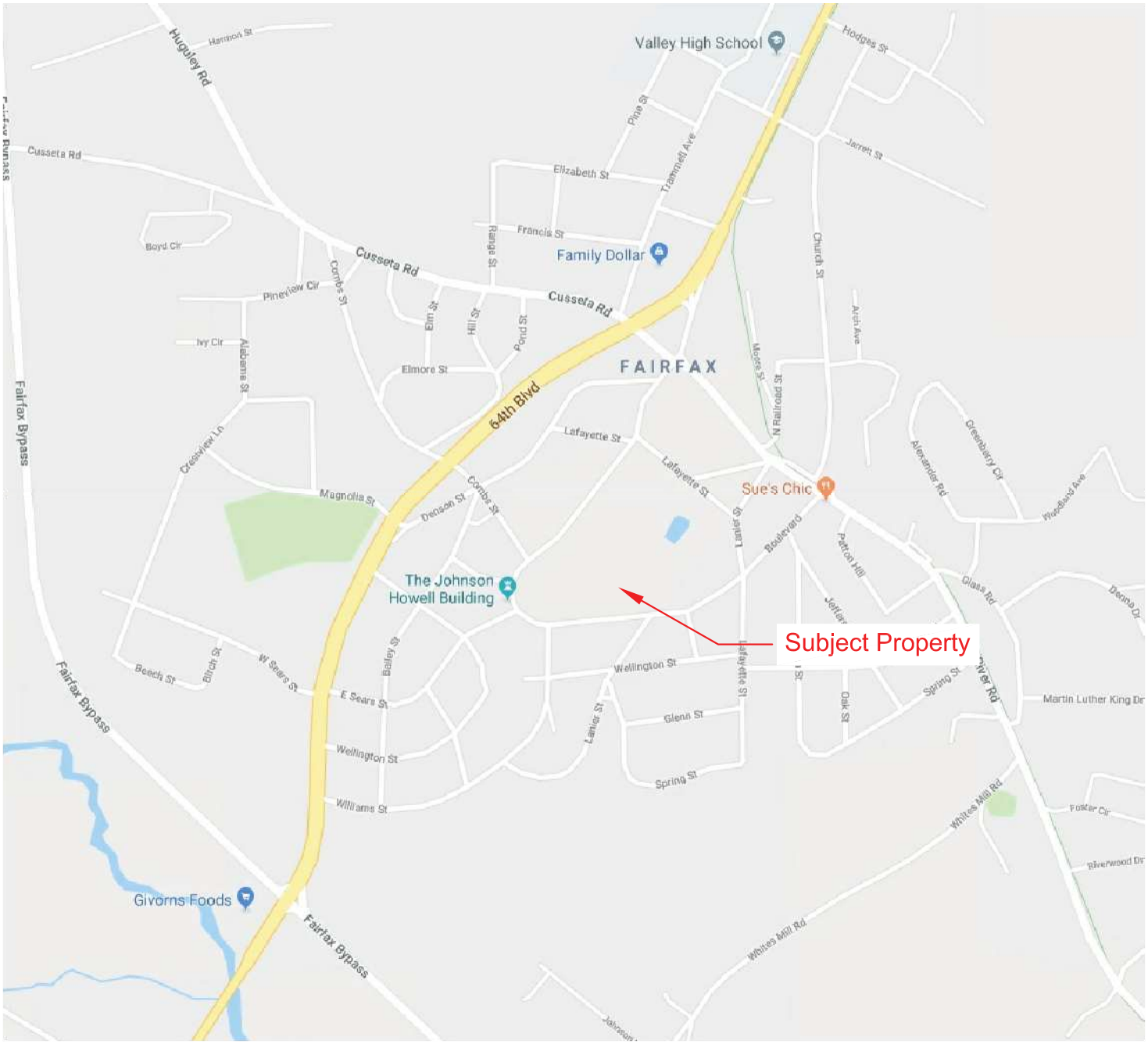
BRL - below reporting limits

Former Fairfax Mill
250 Boulevard
Valley, Chambers County, Alabama
GEC Project No. 180478.341

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
VOCs & PAHs

Sample ID	Sample Date	VOCs	PAHS
MW-1	7/18/2018	BRL	BRL
MW-10	7/18/2018	BRL	BRL
MW-12	7/18/2018	BRL	BRL
Threshold*		NA	NA
Units		µg/L	µg/L
CAS Number		NA	NA

*EPA Regional Screening Levels
Protection of groundwater exceedances are shown in bold font.
Resident soil exceedances are shown in bold, red font
BRL - below reporting limits NA - not applicable



1000' 0 1000' 2000' 3000'

APPROXIMATE SCALE: 1" = 1000'

= Approximate Subject Property Boundary

MAG-DATE

Figure 1
Site Location Map
Former Fairfax Mill
250 Boulevard
Valley, Chambers County, Alabama
GEC Project No. 180478.341

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= Approximate Subject Property Boundary

= Approximate Location of Boring/Well

APPROXIMATE SCALE: 1" = 300'

Figure 2
Boring/Well Location Plan
Former Fairfax Mill
250 Boulevard
Valley, Chambers County, Alabama
GEC Project No. 180478.341

GEC
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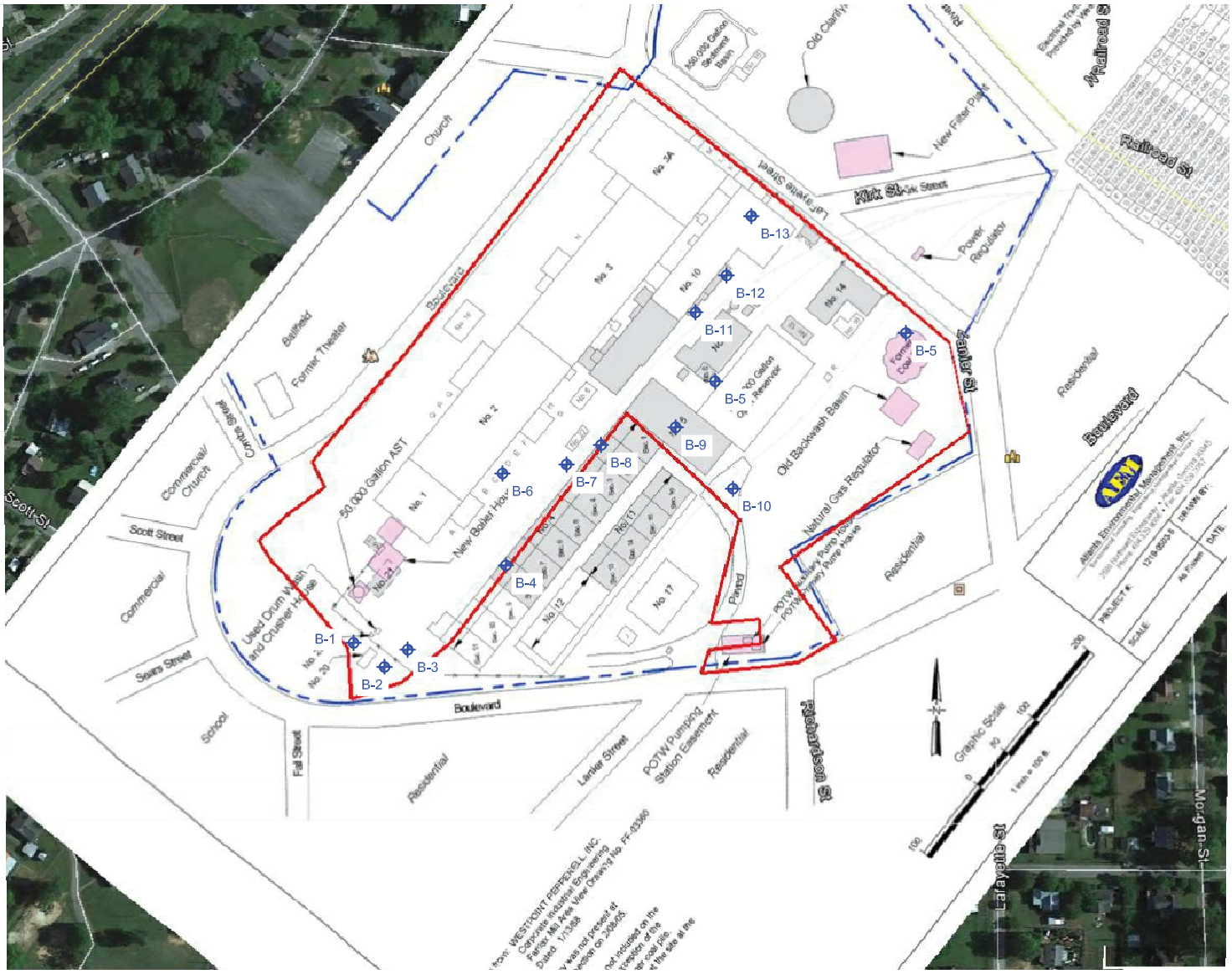

Image Source: AEM Phase I Report dated March 4, 2005.

= Approximate Subject Property Boundary

= Approximate Location of Boring/Well

300' 0 300' 600'

APPROXIMATE SCALE: 1" = 300'

Figure 3
Boring/Well Location Plan
Former Fairfax Mill
250 Boulevard
Valley, Chambers County, Alabama
GEC Project No. 180478.341

GEC
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APPENDIX 2

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Lead Base Paint Analytical Results

Reading No	Time	Type	Duration	Units	Sequence	Component	Substrate	Side	Condition	Color	Res	EScale1	EscleCT	Results	Depth Index	Action Level	PbC	PbC Error
1	6/26/2018 13:22	SHUTTER_CAL	422.32	cps	Final						423.65	4.68	2.45				0.87	0
2	6/26/2018 13:30	PAINT	20.67	mg / cm ^2	Final			CALIBRATE						Positive	1.06	1	1.1	0.1
3	6/26/2018 13:31	PAINT	20.67	mg / cm ^2	Final			CALIBRATE						Positive	1.1	1	1.1	0.1
4	6/26/2018 13:32	PAINT	19.85	mg / cm ^2	Final			CALIBRATE						Positive	1.11	1	1.1	0.1
5	6/26/2018 13:54	PAINT	1.16	mg / cm ^2	Final	SIDING	CONCRETE	A	INTACT	RED				Negative	1	1	0	0.04
6	6/26/2018 13:54	PAINT	1.16	mg / cm ^2	Final	SIDING	CONCRETE	A	INTACT	RED				Negative	1	1	0	0.03
7	6/26/2018 13:55	PAINT	1.71	mg / cm ^2	Final	SIDING	CONCRETE	A	INTACT	RED				Negative	1	1	0	0.02
8	6/26/2018 13:55	PAINT	1.16	mg / cm ^2	Final	SIDING	CONCRETE	A	INTACT	RED				Negative	1	1	0	0.02
9	6/26/2018 13:55	PAINT	1.17	mg / cm ^2	Final	DEBRIS	WOOD	A	PEELING	YELLOW				Positive	5.62	1	4.1	2.6
10	6/26/2018 13:56	PAINT	0.93	mg / cm ^2	Final	DEBRIS	WOOD	A	PEELING	YELLOW				Positive	8.16	1	8.6	6.9
11	6/26/2018 13:56	PAINT	0.86	mg / cm ^2	Final	DEBRIS	WOOD	A	PEELING	YELLOW				Positive	7.62	1	8.8	7.5
12	6/26/2018 13:57	PAINT	3.03	mg / cm ^2	Final	DEBRIS	WOOD	A	PEELING	GREEN				Positive	4.19	1	6.3	5.1
13	6/26/2018 13:57	PAINT	1.55	mg / cm ^2	Final	DEBRIS	WOOD	A	PEELING	GREEN				Positive	4.31	1	6.6	4.8
14	6/26/2018 14:04	PAINT	14.22	mg / cm ^2	Final			CALIBRATE						Positive	1.01	1	1	0.1
15	6/26/2018 14:05	PAINT	16.35	mg / cm ^2	Final			CALIBRATE						Positive	1.05	1	1.1	0.1
16	6/26/2018 14:06	PAINT	20.02	mg / cm ^2	Final			CALIBRATE						Positive	1.05	1	1	0.1
1	7/17/2018 14:31	SHUTTER_CAL	439.55	cps	Final						436.59	4.65	2.39				0.88	0
2	7/17/2018 14:35	PAINT	15.55	mg / cm ^2	Final			CALIBRATE						Positive	1.06	1	1	0.1
3	7/17/2018 14:36	PAINT	15.89	mg / cm ^2	Final			CALIBRATE						Positive	1.06	1	1.1	0.1
4	7/17/2018 14:37	PAINT	17.77	mg / cm ^2	Final			CALIBRATE						Positive	1.02	1	1.1	0.1
5	7/17/2018 14:49	PAINT	1.24	mg / cm ^2	Final	DEBRIS	WOOD	A	PEELING	GREEN				Positive	10	1	4.3	2.4
6	7/17/2018 14:50	PAINT	1.7	mg / cm ^2	Final	DEBRIS	WOOD	A	PEELING	GREEN				Positive	10	1	5.4	3.3
7	7/17/2018 14:51	PAINT	1.12	mg / cm ^2	Final	DEBRIS	WOOD	A	PEELING	GREEN				Negative	1	1	0	0.05
8	7/17/2018 14:52	PAINT	0.88	mg / cm ^2	Final	DEBRIS	CONCRETE	A	INTACT	RED				Negative	1	1	0	0.03
9	7/17/2018 14:53	PAINT	0.74	mg / cm ^2	Final	DEBRIS	CONCRETE	A	INTACT	RED				Negative	1	1	0	0.03
10	7/17/2018 15:00	PAINT	18.86	mg / cm ^2	Final			CALIBRATE						Positive	1.02	1	1.1	0.1
11	7/17/2018 15:01	PAINT	17.26	mg / cm ^2	Final			CALIBRATE						Positive	1.05	1	1.1	0.1
12	7/17/2018 15:02	PAINT	18.21	mg / cm ^2	Final			CALIBRATE						Positive	1.03	1	1	0.1

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive, Atlanta, GA 30340-3704
(770) 457-8177 / Toll Free (800) 972-4889 / Fax (770) 457-8188

CHAIN OF CUSTODY
BULK ASBESTOS ANALYSIS

1807F91

Client Name:	Geotechnical & Environmental Consultants, Inc.	Phone:	(706) 569-0008
Address:	5031 Milgen Court	Fax:	(706) 569-0940
City, State, Zip:	Columbus, Georgia 31907	Project Name:	Fairfax
Contact :	Kevin Strumpler	Project Number:	180478.341
Sampler's Name:	Kevin Strumpler	Sampling Date:	7/17/18

	Sample ID	Sample Location/Description	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1	DPM-1	Floor Coating	PLM	Standard		
2	DPM-2	Floor Coating				
3	DPM-3	Wire Wrap				
4	DPM-4	Roofing Material				
5	DPM-5	Roofing Material				
6	DPM-6	Roofing Material				
7	DPM-7	Roofing Material				
8	DPM-8	Roofing Material				
9	DPM-9	Roofing Material				
10	DPM-10	Roofing Material				
11	DPM-11	Roofing Material				
12	DPM-12	Slab Underlayment				
13	DPM-13	Slab Underlayment				
14	DPM-14	Foundation Coating				
15	DPM-15	Foundation Coating				
16						
17						
18						
19						
20						

Relinquished by:	[signature]	Date/Time:	7/17/18 17:00
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

FOR LAB USE ONLY

Lab Recipient: Monique Albrecht Date/Time: 7/18 10:30 am Method of Shipment: (FEDEX)

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

24-Jul-18

Client Name:	**GeoTechnical & Environmental Consultants**	AES Job Number:	**1807F91**
Project Name:	**FAIRTAX**	Project Number:	**180478.341**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DPM-1 Layer: 1	1807F91-001A	Floor Coating	ND	ND	ND	ND	ND	ND	Flooring
DPM-2 Layer: 1	1807F91-002A	Floor Coating	ND	ND	ND	ND	ND	ND	Flooring
DPM-2 Layer: 2	1807F91-002A	Floor Coating	ND	ND	ND	ND	ND	ND	Leveling compound
DPM-3 Layer: 1	1807F91-003A	Wire Wrap	ND	ND	ND	ND	ND	ND	
DPM-3 Layer: 2	1807F91-003A	Wire Wrap	ND	ND	ND	ND	ND	ND	
DPM-3 Layer: 3	1807F91-003A	Wire Wrap	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

24-Jul-18

Client Name:	**GeoTechnical & Environmental Consultants**	AES Job Number:	**1807F91**
Project Name:	**FAIRTAX**	Project Number:	**180478.341**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DPM-3 Layer: 4	1807F91-003A	Wire Wrap	ND	ND	ND	ND	ND	ND	Metal included as binder
DPM-4 Layer: 1	1807F91-004A	Roofing material	ND	ND	ND	ND	ND	ND	
DPM-4 Layer: 2	1807F91-004A	Roofing material	ND	ND	ND	ND	ND	ND	
DPM-5 Layer: 1	1807F91-005A	Roofing material	ND	ND	ND	ND	ND	ND	
DPM-5 Layer: 2	1807F91-005A	Roofing material	ND	ND	ND	ND	ND	ND	
DPM-5 Layer: 3	1807F91-005A	Roofing material	ND	ND	ND	ND	ND	ND	

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ND = None Detected

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QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

24-Jul-18

Client Name:	**GeoTechnical & Environmental Consultants**	AES Job Number:	**1807F91**
Project Name:	**FAIRTAX**	Project Number:	**180478.341**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DPM-6 Layer: 1	1807F91-006A	Roofing material	ND	ND	ND	ND	ND	ND	Tar
DPM-6 Layer: 2	1807F91-006A	Roofing material	20	ND	ND	ND	ND	ND	Felt
DPM-6 Layer: 3	1807F91-006A	Roofing material	ND	ND	ND	ND	ND	ND	Tar
DPM-7 Layer: 1	1807F91-007A	Roofing material	20	ND	ND	ND	ND	ND	Felt
DPM-7 Layer: 2	1807F91-007A	Roofing material	ND	ND	ND	ND	ND	ND	Felt
DPM-8 Layer: 1	1807F91-008A	Roofing material	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

24-Jul-18

Client Name:	**GeoTechnical & Environmental Consultants**	AES Job Number:	**1807F91**
Project Name:	**FAIRTAX**	Project Number:	**180478.341**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DPM-8 Layer: 2	1807F91-008A	Roofing material	ND	ND	ND	ND	ND	ND	
DPM-8 Layer: 3	1807F91-008A	Roofing material	ND	ND	ND	ND	ND	ND	
DPM-9 Layer: 1	1807F91-009A	Roofing material	ND	ND	ND	ND	ND	ND	
DPM-9 Layer: 2	1807F91-009A	Roofing material	ND	ND	ND	ND	ND	ND	
DPM-10 Layer: 1	1807F91-010A	Roofing material	ND	ND	ND	ND	ND	ND	
DPM-10 Layer: 2	1807F91-010A	Roofing material	ND	ND	ND	ND	ND	ND	

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For comments on the samples, see the individual analysis sheets.

ND = None Detected

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QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

24-Jul-18

Client Name:	**GeoTechnical & Environmental Consultants**	AES Job Number:	**1807F91**
Project Name:	**FAIRTAX**	Project Number:	**180478.341**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DPM-10 Layer: 3	1807F91-010A	Roofing material	ND	ND	ND	ND	ND	ND	
DPM-11 Layer: 1	1807F91-011A	Roofing material	5	ND	ND	ND	ND	ND	Tar
DPM-11 Layer: 2	1807F91-011A	Roofing material	ND	ND	ND	ND	ND	ND	Felt
DPM-11 Layer: 3	1807F91-011A	Roofing material	ND	ND	ND	ND	ND	ND	Tar
DPM-12 Layer: 1	1807F91-012A	Slab Underlayment	ND	ND	ND	ND	ND	ND	Felt
DPM-12 Layer: 2	1807F91-012A	Slab Underlayment	3	ND	ND	ND	ND	ND	Black Mastic

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

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ND = None Detected

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These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Lab Code 102082-0

24-Jul-18

Client Name:	**GeoTechnical & Environmental Consultants**	AES Job Number:	**1807F91**
Project Name:	**FAIRTAX**	Project Number:	**180478.341**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DPM-13 Layer: 1	1807F91-013A	Slab Underlayment	ND	ND	ND	ND	ND	ND	Felt
DPM-14 Layer: 1	1807F91-014A	Foundation Coating	ND	ND	ND	ND	ND	ND	
DPM-15 Layer: 1	1807F91-015A	Foundation Coating	ND	ND	ND	ND	ND	ND	

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ND = None Detected

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These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

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Microanalyst: Penka Topuzova

QC Analyst: Yelena Khanina

Photo 1: 8-2-2018	Pieces of wood with lead base paint

Photo 2: 8-2-2018	Paint off of concrete containing lead based paint.

APPENDIX 5

GEC

Alabama Department of Environmental Management
Land Division
P. O. Box 301463
Montgomery, AL 36130-1463
Telephone 334-271-7730
Fax 334-279-3050
January 2008

Alabama Department of Environmental Management

Solid Waste Management

Management of Demolition Waste

All debris resulting from demolition of residential, commercial and industrial buildings is regulated solid waste. Certain items, such as uncontaminated concrete, brick and blocks, aged asphalt and soil are not regulated and may be managed differently if separated; these items are not required to be disposed of in a permitted landfill.

Asbestos-containing materials require special care and handling. Contact the Special Services Section, Air Division, ADEM, 334-271-7879, for requirements for asbestos management. Asbestos-containing materials may be disposed of in any permitted landfill in Alabama with written approval from ADEM, following the special waste provisions found in ADEM regulations at ADEM Admin. Code 335-13-4-.26(2). The solid waste regulations are available on the ADEM Internet web site at www.adem.state.al.us/regulations/div13.

Materials containing lead-based paint, such as painted wood, metal, concrete, brick or blocks, must be disposed of properly. If the material comes from deconstruction, demolition or maintenance of a residential structure, the lead-based paint items may be disposed of in any permitted landfill. If the lead-based paint items come from deconstruction, demolition or maintenance of any other structure, the material must be disposed of in a lined landfill built with leachate collection and groundwater monitoring.

As a safeguard for the owner of property being demolished or the entity responsible for demolition of the structure, ADEM recommends the demolition contract should require that receipts be presented by the demolition contractor showing that demolition waste was taken to a permitted landfill. The incidence of illegal dumping of demolition debris in Alabama is very high, and creation of an illegal dump could result in enforcement action by ADEM against the person dumping, the person hiring the person dumping as well as the landowner where dumping occurs.

Questions regarding disposal of non-hazardous solid waste in Alabama should be directed to the Waste Programs Branch, ADEM, 334-271-7988. A list of permitted landfills in the State of Alabama is available on the ADEM Internet web site at:

www.adem.state.al.us/LandDivision/SolidWaste/Reports/Landfill.htm

Photo 1: Northern view of western property line of subject property.

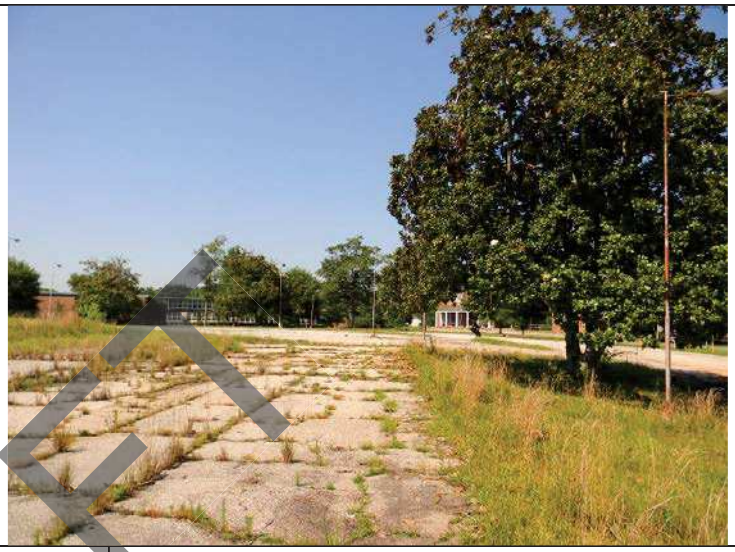

Photo 2: Southwestern view from southwest corner of subject property.

Photo 3: Western view from southwest corner of subject property.

Photo 4: Northwestern view from southwest corner of subject property.

DRAFT

Photo 13: Northern view of former cotton mill building footprint.

Photo 14: Southern view of former cotton mill building footprint.

Photo 15: Southern view of adjacent Humane Society property.

Photo 16: “Covered” manhole on subject property.

DRAFT

Photo 17: Photo of demolition debris on the subject property.

Photo 18: Photo of the remaining portion of the onsite reservoir. Filled with demo debris.

Photo 19: Photo of demo debris on northern portion of subject property.

Photo 20: Southwestern view from northern portion of subject property.

DRAFT

Photo 25: Northern view from eastern boundary of subject property.

Photo 26: Eastern view from eastern boundary of subject property

Photo 27: Southern view from eastern boundary of subject property

Photo 28: Northwesten view from eastern boundary of subject property

DRAFT

Photo 29:	Photo of demo debris from northern property line.

Photo 30:	Photo of fire department training area to the north of the subject property.

Photo 31:	Photo of former building pads.

Photo 32:	Eastern view from northeastern corner of subject property.

DRAFT

Photo33:	Southern view from northeastern corner of subject property.

Photo 34:	Southwestern view of subject property from northeastern corner of subject property.

Photo35:	Northern view from northeastern corner of subject property.

Photo36:	Western view from northeastern corner of subject property.

DRAFT

Photo37: Demo debris located on subject property.

Photo 38: Demo debris located on subject property.

Photo39: Demo debris located on subject property.

Photo 40: Photo of building pad of former cotton mill.

DRAFT

Photo41:	Demo debris located on western portion subject property.	Photo 42:	Photo of subfloor access portal.
Photo43:	Photo of manhole located on site.	Photo 44:	Northern view from southeastern corner of subject property.

DRAFT

Photo45:	Western view from southeastern corner of subject property.	Photo 46:	Eastern view from southeastern corner of subject property.
Photo47:	Southern view from southeastern corner of subject property.		

DRAFT

APPENDIX C – AGENCY APPROVAL DOCUMENTATION

SSQAPP APPROVAL FROM EPA AND ADEM

SITE-SPECIFIC QUALITY ASSURANCE PROJECT PLAN

REVISION: 01

For Environmental Sampling Activities Associated with Brownfields Cleanup Grant
Former Fairfax Mill
201 Boulevard Street
Valley, Alabama 36854

Conducted Under EPA Brownfields
BF-00D93419

Prepared for:

City of Valley, Alabama
Post Office Box 158
Valley, AL 36854

Prepared by:

5555 Bankhead Highway
Birmingham, Alabama 35210

December 11, 2019

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A1. APPROVALS

PPM Consultants, Inc. Program Manager: Michael D. McCown, P.G.

Printed Name

Michael D. McCown 1/16/20

Signature/Date

PPM Consultants, Inc. Project Manager: Michael W. Dillon, P.G.

Printed Name

1-16-2020

Signature/Date

PPM Consultants, Inc. QA/QC Manager: Matthew J. Ebbert, P.G.

Printed Name

1-16-2020

Signature/Date

City of Valley, AL Contact: Travis Carter

Printed Name

Travis Carter 1-16-2020

Signature/Date

ADEM Brownfields Manager: Gavin Adams

Printed Name

M. Gavin Adams 1/17/2020

Signature/Date

U.S. EPA Project Officer/
Designated Approving Official

Olga Perry

Printed Name

1/28/2020

Signature/Date

The Environmental Protection Agency (EPA) requires that a Quality Assurance Project Plan (QAPP) be prepared to support all federally funded brownfields environmental projects involving the collection and use of environmental data prior to beginning site work. This document describes the quality control/quality assurance components, systems, and procedures that will be followed during collection of environmental data during this project, and was prepared in accordance with the Brownfields Quality Assurance Project Plans, Interim Instructions, Generic QAPP and Site-Specific QAPP Addendum. Addendum for Brownfields Site Assessment and/or Cleanups, U.S. EPA, Region 4, revised November 2017. This document was prepared specifically for the City of Valley, Alabama, and is to be used by PPM while under contract to the City of Valley. This QAPP describes the quality assurance/quality control (QA/QC) and other technical activities that are implemented to ensure that the results of the work performed will satisfy the stated performance criteria.

CORRESPONDENCE WITH ADEM SOLID WASTE DIVISION REGARDING DEMOLITION DEBRIS SAMPLING PLAN AND DISPOSAL

From: Story, S Scott
To: McCown, Mike
Subject: RE: Follow up to our Valley-Fairfax Mill Cleanup Grant Conversation
Date: Thursday, October 17, 2019 12:55:28 PM
Attachments: image001.gif

Mike,

I have talked with Lynn Roper about what was done previously and also with Brent Watson about anything new regarding waste approval determinations and they, along with myself, feel that your approach is appropriate.

If you need anything else from us, please let us know.

S. Scott Story, Chief
Solid Waste Engineering Section
Land Division
Alabama Department of Environmental Management
Post Office Box 301463
Montgomery, Alabama
sss@adem.alabama.gov
(334) 271-7764

From: McCown, Mike [mailto:mike.mccown@PPMCo.com]
Sent: Wednesday, October 16, 2019 5:50 PM
To: Scott Storey (sss@adem.state.al.us) <sss@adem.state.al.us>
Subject: FW: Follow up to our Valley-Fairfax Mill Cleanup Grant Conversation

Greetings Scott, I left you a voice mail but have not heard back. Have you had a chance to look over our approach on the demo rubble sampling at Valley?

Thanks

From: McCown, Mike
Sent: Wednesday, October 2, 2019 5:19 PM
To: Scott Storey (sss@adem.state.al.us) <sss@adem.state.al.us>
Cc: Travis Carter <TCarter@CityOfValley.com>
Subject: Follow up to our Valley-Fairfax Mill Cleanup Grant Conversation

Good afternoon Scott, thanks for calling me back in regards to the City of Valley Cleanup Grant for the now-demolished Fairfax Textile Mill. You may recall meeting with Sonja Favors and I in January of this year to discuss the site. PPM helped Valley write an EPA Brownfields Cleanup Grant that resulted in an award. We are now scheduling cleanup activities, and would like your input on our proposed approach to characterizing the wastes and determining the most feasible disposal options. Site information is summarized as follows:

- The City owns the property, and would like to redevelop it as greenspace for now, with other potential development in the future.
- The site is covered with rubble piles (mostly concrete, brick and wood), and is adjacent to a school and residential area. Another consultant conducted some very limited sampling of some of the materials in the rubble, and got positive hits on lead-based paint and asbestos in a few samples. We do not believe these samples to be representative of the wastes due to the limited numbers of samples collected, and the fact that they were collected from actual suspect ACM (roofing tar, floor tile, etc.) and small paint chips scraped from a few painted surfaces rather than the larger rubble piles that consist primarily of concrete. Note that asbestos abatement was conducted prior to the demolition, which will limit the amount of ACM in the piles.
- The City has limited funds, and would like to use some of the inert uncontaminated material (concrete, brick, blocks, asphalt) as fill in low areas onsite. The City understands that metal and wood must be removed from the rubble if it is to be used for onsite fill, and a significant volume of segregation of these materials has already been conducted. We are also exploring bringing in equipment to crush the concrete materials on site, and utilizing it crushed stone aggregate for other public works projects.

We understand that wastes containing ACM and lead-based paint from such a facility cannot be used on site, and must be disposed of in a Subtitle D landfill. As noted above, we do not believe that the limited sampling/lab analysis conducted by the previous consultant (five samples out of an estimated 17,000 tons of waste) are representative, and we would like your guidance on our proposed method to properly characterize the wastes to determine the appropriate management/disposal options. Our proposed method will have to be described in detail in a Quality Assurance Project Plan (QAPP) to be submitted to the EPA, but it will need to meet State regulatory requirements. I am unclear if formal approval will be needed from ADEM, but would like your input, even if informally.

Our proposed sampling method will be similar to those used on a similar project in Anniston in 2010. That site, known as the Former Chalkline Mill (VCP No. 461-9320, Facility 29742) was also funded under an EPA Cleanup Grant, and included the characterization and disposal of rubble piles generated during the demolition of the former mill. As with the Valley Fairfax mill, limited ACM and lead-based paint were believed to be present in the rubble. The EPA- approved QAPP for Chalkline is attached, and included Lynn Roper on the Distribution list, and references to her involvement with the sampling methods. The sampling method used is described in Section 2.2 of the attached QAPP, and the key relevant text has been extracted and presented in its original form below:

"Bullock personnel will utilize a subcontractor with a track-hoe to assist in sampling the debris piles. Based on the approval from Ms. Lynn Roper of the ADEM Solid Waste Division, Bullock personnel will collect composite samples each of the forty debris piles for analysis of Resource Conservation and Recovery Act (RCRA) metals per EPA Methods 6010/7471, polychlorinated biphenyls (PCBs) according to EPA Method 8082, and asbestos analysis by polarized light microscopy (PLM). Ten grab samples will be collected for each 250-cubic yard increment of debris (fewer representative will be collected from debris piles that are less than 250 cubic yards). The ten samples will then be composited, pulverized, and containerized appropriately for laboratory analysis. Bullock personnel will collect the debris samples for analysis of RCRA Metals and PCBs contained in laboratory-supplied, four ounce glass jars for delivery (under chain-of-custody) to Environmental Science Corp. (ESC) in Mt. Juliet, Tennessee. A portion of the composite samples will also be submitted to Safety Environmental, located in Hoover, Alabama, for analysis of asbestos by PLM. For quality assurance/quality control purposes, Bullock proposes to submit one duplicate sample per 20 samples for analysis of RCRA Metals and PCBs ".

PPM would like to utilize a similar method on characterizing the rubble pile at Valley Fairfax, except PCB sampling will not be needed, and metals analysis will include lead only, since ACM and lead are the only constituents of concern at Fairfax. I could not find a formal approval from Lynn on efile for the work conducted at Chalkline, only references to her approval in the attached QAPP. I have highlighted key text in the attached QAPP to make it easier for you focus in on the most relevant areas. I have also attached excerpts from a public meeting presentation we gave in the community which will give you a better feel for the site.

Please look this over, and let me know if our waste characterization approach appears acceptable. If you have any questions, please do not hesitate to contact me.

Michael D. McCown, P.G.
Principal/Senior Geologist
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m: 205-602-7177
mike.mccown@ppmco.com
www.ppmco.com

CORRESPONDENCE FROM ADEM INDUSTRIAL PERMITS DIVISION REGARDING STORM WATER REMOVAL

From:	Warren, Lee
To:	McCown, Mike
Cc:	Dillon, Mike; "TCarter@CityOfValley.com"
Subject:	FW: Water Disposal, Former Fairfax Textile Mill, Valley, AL
Date:	Friday, April 24, 2020 6:57:11 PM
Attachments:	image001.gif Valley Fairfax Storm water Pond Lab Results.pdf Fairfax Mill Stormwater Flow Path.pdf

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Based on the information submitted, it appears the items that we discussed have been addressed.

In regards to the placement of on-site fill, you should communicate with ADEM's Land Division and comply with any applicable requirements.

Since the water will be discharged to a grated storm sewer drop inlet that is connected to subsurface storm water piping maintained by the City. It is important to continue to communicate / coordinate with the City.

As you indicated, the discharge rate should be carefully monitored during pumping to ensure the receiving ditch can convey the water without overflowing or erosion issues. The receiving ditch and water body should be observed during the water discharge.

Finally, please be aware that you may not cause any water quality issues.

If you have additional questions, please feel free to call me.

Lee Warren
Chief, Industrial General Permit Section
Industrial / Municipal Branch
Water Division
Alabama Department of Environmental Management
1400 Coliseum Boulevard Montgomery, AL 36110
Post Office Box 301463 Montgomery, AL 36130-1463
(334) 271-7845
dlw@adem.alabama.gov

www.adem.alabama.gov

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From: McCown, Mike <mike.mccown@PPMCo.com>
Sent: Thursday, April 23, 2020 11:27 AM

To: Warren, Lee <DLW@adem.alabama.gov>
Cc: Dillon, Mike <mike.dillon@ppmco.com>; 'TCarter@CityOfValley.com' <TCarter@CityOfValley.com>
Subject: RE: Water Disposal, Former Fairfax Textile Mill, Valley, AL

Good morning Lee. I am following up on our conversation last month regarding the City of Valley's request to discharge storm water accumulated in an abandoned cooling pond associated with the former Fairfax Textile Mill into an adjacent ditch. The area where the pond is located is needed for placement of on-site fill. You recommended that we analyze a water sample from the pond for the parameters listed in *Application Form 2E, Manufacturing, Commercial, Mining, and Silvicultural Facilities Which Discharge Only Nonprocess Wastewater.* These parameters include BOD, TSS, Oil & Grease, Ammonia, and pH. We have completed the sampling and a field reconnaissance of the receiving ditch/stream, and are providing this information to you for consideration and approval for the discharge:

- A water sample was collected from the pond on April 2, 2020 and submitted to Pace Analytical for analysis for the parameters listed above. Results are attached, and summarized below:

Analysis	Result
BOD	<30 mg/L
TSS	48.0 mg/L
Oil & Grease	<5.3 mg/L
Ammonia (as N)	<0.10 mg/L
pH	7.2

- There is no flow from the pond. The mill has been closed for over 16 years, and storm water volumes in the pond fluctuate seasonally, gaining volume during periods of wet weather, and losing volume in the warmer months due to evaporation.
- Based on the pond dimensions and current water levels, we estimate a current volume of 200,000 gallons in the pond.
- The water will be discharged to a grated storm sewer drop inlet that is connected to subsurface storm water piping maintained by the City. The piping daylights into open ditches in some areas, and alternates between subsurface piping and open ditches for approximately 4,000 feet until the confluence with Osanippa Creek. This creek flows southeasterly primarily through wooded areas for approximately 11 miles before discharging into the Chattahoochee River. The storm water drainage system and receiving stream appear more than adequate to convey the water, with no overruns or erosion anticipated. A sketch depicting the flow path is attached.
- The discharge rate will be carefully monitored during pumping to ensure the receiving ditch can convey the water without overflowing or erosion issues. The pumping rate can be varied based conditions observed in the receiving ditch. Once the pond has been emptied, sections of concrete will be removed from the bottom of the pond to prevent future accumulation of storm water. This work will be conducted concurrently with other site work, most likely in early summer.

Please let me know if we are clear to proceed with the discharge, or if additional information is needed. Thank you for your consideration.

Michael D. McCown, P.G.
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m: 205-602-7177
mike.mccown@ppmco.com
www.ppmco.com

From: Warren, Lee <DLW@adem.alabama.gov>
Sent: Friday, March 27, 2020 6:20 PM
To: McCown, Mike <mike.mccown@PPMCo.com>
Cc: Dillon, Mike <mike.dillon@ppmco.com>; 'TCarter@CityOfValley.com' <TCarter@CityOfValley.com>
Subject: FW: Water Disposal, Former Fairfax Textile Mill, Valley, AL

I left you a voicemail message this afternoon.

Please feel free to call me at your convenience so we can discuss.

Thank you,

Lee Warren
Chief, Industrial General Permit Section
Industrial / Municipal Branch
Water Division
Alabama Department of Environmental Management
1400 Coliseum Boulevard Montgomery, AL 36110
Post Office Box 301463 Montgomery, AL 36130-1463
(334) 271-7845
dlw@adem.alabama.gov

www.adem.alabama.gov

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From: McCown, Mike <mike.mccown@PPMCo.com>
Sent: Friday, March 27, 2020 3:11 PM
To: Warren, Lee <DLW@adem.alabama.gov>
Cc: Dillon, Mike <mike.dillon@ppmco.com>; Travis Carter <TCarter@CityOfValley.com>
Subject: FW: Water Disposal, Former Fairfax Textile Mill, Valley, AL

Lee, Jordan I spoke today and we were informed that a full UIC permit would be required, so we need to find out if Option 2 below would need a permit, and if so, some direction on it. Thanks, please advise.

Michael D. McCown, P.G.
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m: 205-602-7177
mike.mccown@ppmco.com
www.ppmco.com

From: McCown, Mike
Sent: Wednesday, March 25, 2020 2:33 PM
To: Brummal, Jordan W <jordan.brummal@adem.alabama.gov>
Cc: Kelly, Joe R <JRK@adem.alabama.gov>; Warren, Lee <DLW@adem.alabama.gov>; Dillon, Mike (mike.dillon@ppmco.com) <mike.dillon@ppmco.com>
Subject: RE: Water Disposal, Former Fairfax Textile Mill, Valley, AL

Yes, I would like to chat with you about it. PPM has completed numerous UIC permits for our remediation projects (ozone sparging, ORC injections, etc.) under UIC General Permit Number ALIG010000 , and are familiar with that, but this one seems not to fit that process. This is the equivalent of draining a pond, and we are looking at all options, which at this time include:

1. Breaking the concrete at the bottom of the pond to allow it infiltrate into the underlying soil, if the soils are permeable enough to allow infiltration at a rate greater than the

buildup of rainwater.

2. Pumping it to the adjacent stormwater inlet and ditch. Initial surveys indicate suitable inlet close by (375 feet), then conveying through storm water piping until daylighting in a ditch in a wooded area, eventually discharging into a large creek 3,700 feet away.
3. Pumping it into the local POTW (will require a per gallon fee which project budget will not support).
4. Using the water for dust control during removal of onsite concrete rubble, probably not a permitted activity.
5. Using the water for irrigation on the site after seeding, probably not a permitted activity.

Our preference is Option 1 or 2, whichever will be the easiest and least expensive to implement.

I have looked over the ADEM Class V UIC guidance, and this project does not appear to fit the UIC General Permit Number ALIG010000 path. It may fit the LID path, but we would need ADEM's approval on that first. The standard Class V well requirements seem too onerous for this need (installation of monitoring wells, design/engineering plans, etc.), unless ADEM could waive some of this for this one-time discharge of pond water.

Also, we have not analyzed a water sample from the pond yet, as we wanted to make sure to test for all parameters required by ADEM, based on the option we implement.

If there is some other background information you need prior to our call, let me know and I will send it.

Thanks for the prompt response,

Michael D. McCown, P.G.
Principal/Senior Geologist
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5555 Bankhead Highway
Birmingham, AL 35210
p: 205-836-5650
m: 205-602-7177
mike.mccown@ppmco.com
www.ppmco.com

From: Brummal, Jordan W <jordan.brummal@adem.alabama.gov>
Sent: Wednesday, March 25, 2020 1:27 PM
To: McCown, Mike <mike.mccown@PPMCo.com>
Cc: Kelly, Joe R <JRK@adem.alabama.gov>; Warren, Lee <DLW@adem.alabama.gov>
Subject: RE: Water Disposal, Former Fairfax Textile Mill, Valley, AL

Mr. McCown,

Thank you for the follow-up email, it is definitely the best way to get in touch with me for the time being.

I spoke with Joe Kelly regarding this site and based on our understanding of the UIC regulations, it appears that this would require a UIC Permit. If you have any further questions please let me know or if you would like to discuss over the phone and I will be happy to set up a time for us to do so.

Thanks,

Jordan Brummal
Hydrogeologist
Alabama Department of Environmental Management
P.O. Box 301463
Montgomery, AL 36130
Phone/Fax: 334.271.7953
E-mail: jordan.brummal@adem.alabama.gov

From: McCown, Mike <mike.mccown@PPMCo.com>
Sent: Tuesday, March 24, 2020 5:02 PM
To: Brummal, Jordan W <jordan.brummal@adem.alabama.gov>
Subject: Water Disposal, Former Fairfax Textile Mill, Valley, AL

Good afternoon Jordan, I left you a voice mail and am following up by email since everyone working remotely.

PPM is working for the City of Valley, AL helping them clean up a former textile mill. The mill has been closed for 20 years or so, and all structures removed, except for a concrete lined pond filled with stormwater that was previously used as cooling water when the mill was operating. The City would like to collect a sample of the stormwater for lab analysis, and if no issues, simply break the concrete in the bottom of the pond and let it drain into the subsurface. This seems to fall under stormwater rather than UIC, but I wanted to check with you first.

Let me know if you need more information, thanks!

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(504)469-0333

April 10, 2020

Mike Dillon
PPM Consultants
5555 Bankhead Hwy
Birmingham, AL 35210

RE: Project: Fairfax Mine
Pace Project No.: 20149269

Dear Mike Dillon:

Enclosed are the analytical results for sample(s) received by the laboratory on April 04, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - New Orleans

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Melissa MacNaughton

Melissa MacNaughton
melissa.macnaughton@pacelabs.com
(504)469-0333
Project Manager

Enclosures

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CERTIFICATIONS

Project: Fairfax Mine
Pace Project No.: 20149269

Pace Analytical Services New Orleans

California Env. Lab Accreditation Program Branch: 11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Pennsylviania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC): T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-00119
Commonwealth of Virginia (TNI): 480246

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SAMPLE SUMMARY

Project: Fairfax Mine
Pace Project No.: 20149269

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20149269001	**SW-1**	Water	04/02/20 11:10	04/04/20 10:40

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SAMPLE ANALYTE COUNT

Project: Fairfax Mine
Pace Project No.: 20149269

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20149269001	**SW-1**	EPA 1664A	TMO	1	PASI-N
		SM 2540D	LBG	1	PASI-N
		SM 4500-H+B	CAR	1	PASI-N
		SM 5210B	KMM	1	PASI-N
		SM 4500-NH3 G	RVJ	1	PASI-N

PASI-N = Pace Analytical Services - New Orleans

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PROJECT NARRATIVE

Project: Fairfax Mine
Pace Project No.: 20149269

Method: **EPA 1664A**
Description: HEM, Oil and Grease
Client: PPM BIRMINGHAM
Date: April 10, 2020

General Information:
1 sample was analyzed for EPA 1664A by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Fairfax Mine
Pace Project No.: 20149269

Method: **SM 2540D**
Description: 2540D Total Suspended Solids
Client: PPM BIRMINGHAM
Date: April 10, 2020

General Information:
1 sample was analyzed for SM 2540D by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Fairfax Mine
Pace Project No.: 20149269

Method: **SM 4500-H+B**
Description: 4500H+ pH, Electrometric
Client: PPM BIRMINGHAM
Date: April 10, 2020

General Information:
1 sample was analyzed for SM 4500-H+B by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H3: Sample was received or analysis requested beyond the recognized method holding time.
- SW-1 (Lab ID: 20149269001)

H6: Analysis initiated outside of the 15 minute EPA required holding time.
- SW-1 (Lab ID: 20149269001)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Fairfax Mine
Pace Project No.: 20149269

Method: **SM 5210B**
Description: 5210B BOD, 5 day
Client: PPM BIRMINGHAM
Date: April 10, 2020

General Information:
1 sample was analyzed for SM 5210B by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with SM 5210B with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 181139

B2: Oxygen usage is less than 2.0 for all dilutions set. The reported value is an estimated less than value and is calculated for the dilution using the most amount of sample.

- SW-1 (Lab ID: 20149269001)
  - BOD, 5 day

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PROJECT NARRATIVE

Project: Fairfax Mine
Pace Project No.: 20149269

Method: **SM 4500-NH3 G**
Description: 4500 Ammonia Water
Client: PPM BIRMINGHAM
Date: April 10, 2020

General Information:
1 sample was analyzed for SM 4500-NH3 G by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Fairfax Mine
Pace Project No.: 20149269

Sample: SW-1 **Lab ID: 20149269001** Collected: 04/02/20 11:10 Received: 04/04/20 10:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - New Orleans							
Oil and Grease	ND	mg/L	5.3	1		04/06/20 05:55		P1
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - New Orleans							
Total Suspended Solids	**48.0**	mg/L	4.0	1		04/05/20 12:33		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - New Orleans							
pH at 25 Degrees C	**7.2**	Std. Units	0.010	1		04/06/20 12:15		H3,H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B Pace Analytical Services - New Orleans							
BOD, 5 day	ND	mg/L	30.0	30	04/04/20 10:53	04/09/20 10:25		B2
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G Pace Analytical Services - New Orleans							
Nitrogen, Ammonia	ND	mg/L	0.10	1		04/06/20 15:57	7664-41-7	

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QUALITY CONTROL DATA

Project: Fairfax Mine
Pace Project No.: 20149269

QC Batch: 181195
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20149269001

METHOD BLANK: 829717
Matrix: Water
Associated Lab Samples: 20149269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	04/06/20 05:55	

LABORATORY CONTROL SAMPLE: 829718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	34.2	86	78-114	

MATRIX SPIKE SAMPLE: 829719

Parameter	Units	20148492002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40.4	35.6	81	78-114	P1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Fairfax Mine
Pace Project No.: 20149269

QC Batch: 181185
QC Batch Method: SM 2540D
Analysis Method: SM 2540D
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20149269001

METHOD BLANK: 829689
Matrix: Water
Associated Lab Samples: 20149269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	04/05/20 12:32	

LABORATORY CONTROL SAMPLE: 829690

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	99.0	99	80-120	

SAMPLE DUPLICATE: 829691

Parameter	Units	20149036002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	555	660	17	20	

SAMPLE DUPLICATE: 829692

Parameter	Units	20149062001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	13.0	15.0	14	20	

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St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: Fairfax Mine
Pace Project No.: 20149269

QC Batch: 181266
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20149269001

LABORATORY CONTROL SAMPLE: 829911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
pH at 25 Degrees C	Std. Units	6	6.0	100	97-103	H6

SAMPLE DUPLICATE: 829912

Parameter	Units	20149269001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	0	20	H3,H6

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1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: Fairfax Mine
Pace Project No.: 20149269

QC Batch: 181139
QC Batch Method: SM 5210B
Analysis Method: SM 5210B
Analysis Description: 5210B BOD, 5 day
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20149269001

METHOD BLANK: 829530
Matrix: Water
Associated Lab Samples: 20149269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	0.20	04/09/20 09:56	

LABORATORY CONTROL SAMPLE: 829532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	169	85	85-115	

SAMPLE DUPLICATE: 829536

Parameter	Units	20149113002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	9.4	9.9	5	20	

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QUALITY CONTROL DATA

Project: Fairfax Mine
Pace Project No.: 20149269

QC Batch: 181224
QC Batch Method: SM 4500-NH3 G
Analysis Method: SM 4500-NH3 G
Analysis Description: 4500 Ammonia
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20149269001

METHOD BLANK: 829776
Matrix: Water
Associated Lab Samples: 20149269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	04/06/20 15:19	

LABORATORY CONTROL SAMPLE: 829777

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	15.9	15.0	94	90-110	

MATRIX SPIKE SAMPLE: 829779

Parameter	Units	20149269001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	10	9.7	97	75-125	

SAMPLE DUPLICATE: 829778

Parameter	Units	20149269001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		20	

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QUALIFIERS

Project: Fairfax Mine
Pace Project No.: 20149269

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

ANALYTE QUALIFIERS

B2	Oxygen usage is less than 2.0 for all dilutions set. The reported value is an estimated less than value and is calculated for the dilution using the most amount of sample.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
P1	Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Fairfax Mine
Pace Project No.: 20149269

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20149269001	**SW-1**	EPA 1664A	181195		
20149269001	**SW-1**	SM 2540D	181185		
20149269001	**SW-1**	SM 4500-H+B	181266		
20149269001	**SW-1**	SM 5210B	181139	SM 5210B	181685
20149269001	**SW-1**	SM 4500-NH3 G	181224		

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Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Reques

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant field

WO# : 20149269

20149269

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	PPM BIRMINGHAM	Report To:	Mike Dillon	Attention:	AP, Bit@PPMCO.COM
Address:	5555 Bankhead Hwy	Copy To:		Company Name:	PPM Consultants
Birmingham, AL 35210				Address:	
Email:	mike.dillon@ppmco.com	Purchase Order #:		Pace Quote:	
Phone:	NONE Fax:	Project Name:	Fairfax Mine	Pace Project Manager:	melissa.macnaughton@pacelabs.com,
Requested Due Date:		Project #:	40096601-T04	Pace Profile #:	10003 line 4

Regulatory Agency
State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	~~624 VOCs~~ ~~625 SVOCs~~	BOD 5-day	TSS + pH	Oil and Grease by 1664 HEM	ammonia	Residual Chlorine (Y/N)	
1	SW-1	WT	G			4-2-20	1110		10	X	X		X						~~X~~	X	X	X	X	X	~~Do NOT Run~~
2																									~~VOCs or SVOCs~~
3																									~~until contacted~~
4																									~~by Mike Dillon~~ AP
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
~~Do Not Run SVOCs or~~	PPM	4-2-20	1640	[signature] Pace	4-2-20	1640				
~~VOCs until contacted~~	[signature] Pace	4-2-20	1730	Fed Ex						
~~by Mike Dillon~~ AP	Fed Ex	4-4-20	1045	[signature] 1P x 4	4-4-20	1045	1.8	y	y	y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andrew Paradis

SIGNATURE of SAMPLER: [signature]

DATE Signed: 4-2-20

WO#: 20149269

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Condition Upon F

Pro

PM: MM1 Due Date: 04/13/20
CLIENT: 20-PPMBIR-MU

Courier: ☐ Pace Courier ☐ Hired Courier ☒ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☒Yes ☐No

Therometer Used: ☐ Therm Fisher IR 7 ☒ Therm Fisher IR 10

Type of Ice: Wet Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 04-04-2014

Temp must be measured from Temperature blank when present

				Comments:
Temperature Blank Present"?	☐Yes	☒No	☐N/A	1
Chain of Custody Present:	☒Yes	☐No	☐N/A	2
Chain of Custody Complete:	☒Yes	☐No	☐N/A	3
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	4
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	5
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	6
Sufficient Volume:	☒Yes	☐No	☐N/A	7
Correct Containers Used:	☒Yes	☐No	☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes	☐No	☒N/A	9
Sample Labels match COC:	☒Yes	☐No	☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☒Yes	☐No	☐N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☒Yes	☐No	☐N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☒Yes	☐No	☐N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	14
Trip Blank Present:	☐Yes	☒No		15

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

STORM WATER DISCHARGE FLOW PATH

FAIRFAX MILL
VALLEY, ALABAMA
PPM PROJECT NO. 40096601-T04

APPENDIX D – TABLES

TABLE 1
DEMOLITION DEBRIS PILE ANALYTICAL SUMMARY
CITY OF VALLEY
FORMER FAIRFAX MILL
VALLEY, ALABAMA

SAMPLE I.D.	SAMPLE DATE	Total Lead (mg/kg)	TCLP Lead (mg/L)	Asbestos Fibers Detected
A-3-1	2/18/2020	23.7	-	**Amosite**
A-4-1	2/18/2020	74.6	-	**Amosite**
A-5-1	2/18/2020	63.1	-	**Chrysotile**
A-7-1N	2/18/2020	22.3	-	**Chrysotile**
A-7-2S	2/18/2020	27.6	-	**Chrysotile**
A-8-1	2/18/2020	33.7	-	**Chrysotile**
A-9-1	2/18/2020	27.8	-	**Chrysotile**
A-10-1	2/18/2020	20.4	-	**Amosite**
A-12-1	2/18/2020	40.9	-	**Amosite**
A-13-1	2/18/2020	19.2	-	**Amosite**
A-14-1	2/18/2020	91.2	-	ND
A-15-1S	2/18/2020	25.8	-	ND
A-15-2N	2/18/2020	29.1	-	ND
A-16-1	2/18/2020	13.1	-	**Amosite**
A-17-1	2/18/2020	5.1	-	**Amosite**
A-18-1	2/18/2020	73.7	-	**Amosite**
DUP (A-18-1)	2/18/2020	88.0	-	-
A-19-1	2/18/2020	**5,300**	<0.20	**Amosite**
A-22-1W	2/18/2020	44.8	-	ND
A-22-2E	2/18/2020	42.9	-	**Amosite**
A-23-1	2/19/2020	45.2	-	**Amosite**
A-25-1N	2/18/2020	45.1	-	ND
A-25-2E	2/19/2020	59.0	-	ND
A-25-3W	2/19/2020	51.8	-	ND
A-25-4S	2/19/2020	49.4	-	ND
A-25-5C	2/19/2020	75.2	-	ND
A-28-1N	2/19/2020	25.6	-	ND
A-28-2S	2/19/2020	24.4	-	ND
A-29-1	2/19/2020	2.3	-	ND
A-30-1	2/19/2020	48.9	-	ND
A-31-1	2/19/2020	43.8	-	ND
A-33-1	2/19/2020	27.2	-	ND
DUP5 (A-33-1)	2/19/2020	34.8	-	-
A-34-1	2/19/2020	13.9	-	ND
B-1-1	2/19/2020	102	<0.20	ND
B-2-1E	2/19/2020	26.1	-	ND
B-2-2C	2/19/2020	51.8	-	ND
B-2-3W	2/19/2020	6.8	-	ND
B-3-1S	2/19/2020	143	<0.20	ND
B-3-2N	2/19/2020	67.6	-	ND
B-4-1N	2/19/2020	3.8	-	ND
B-4-2S	2/19/2020	44.3	-	ND
B-4-3E	2/19/2020	6.4	-	ND
B-4-4W	2/19/2020	129	<0.20	ND
B-5-1	2/19/2020	8.3	-	ND
B-6-1N	2/19/2020	44.3	-	ND
B-6-2S	2/19/2020	33.0	-	ND
B-8-1N	2/19/2020	288	<0.20	ND
B-8-2S	2/19/2020	116	<0.20	ND
B-9-1	2/19/2020	23.4	-	ND
DUP4 (B-9-1)	2/19/2020	26.2	-	-
B-10-1	2/19/2020	25.2	-	ND
B-11-1N	2/19/2020	138	<0.20	**Chrysotile**
B-11-2C	2/19/2020	1.2	-	**Chrysotile**
B-11-3S	2/19/2020	14.5	-	ND
B-12-1	2/19/2020	163	<0.20	ND
B-13-1	2/19/2020	0.30	-	ND
B-14-1	2/19/2020	50.9	-	**Chrysotile**
B-15-1	2/19/2020	44.7	-	ND
B-16-1	2/19/2020	38.2	-	ND
B-17-1	2/19/2020	86.6	-	ND
B-18-1	2/19/2020	74.3	-	ND
B-19-1	2/20/2020	125	<0.20	ND
B-20-1	2/19/2020	41.0	-	ND
B-21-1	2/20/2020	11.8	-	ND
B-22-1	2/19/2020	13.5	-	ND
B-23-1	2/19/2020	191	<0.20	ND
B-24-1	2/19/2020	42.9	-	ND
B-25-1	2/19/2020	41.5	-	ND
B-26-1N	2/19/2020	44.9	-	ND
B-26-2S	2/19/2020	35.8	-	ND
B-27-1	2/20/2020	7.5	-	ND
B-28-1	2/19/2020	13.8	-	ND
B-29-1	2/20/2020	62.6	-	**Chrysotile**
C-1-1N	2/20/2020	10.4	-	ND
C-1-2S	2/20/2020	4.6	-	ND

TABLE 1
DEMOLITION DEBRIS PILE ANALYTICAL SUMMARY
CITY OF VALLEY
FORMER FAIRFAX MILL
VALLEY, ALABAMA

SAMPLE I.D.	SAMPLE DATE	Total Lead (mg/kg)	TCLP Lead (mg/L)	Asbestos Fibers Detected
C-2-1	2/20/2020	3.3	-	ND
DUP3 (C-2-1)	2/20/2020	16.0	-	-
C-3-1E	2/20/2020	22.3	-	ND
C-3-2W	2/20/2020	0.84	-	ND
C-4-1	2/20/2020	6.1	-	ND
C-5-1	2/20/2020	10.2	-	ND
C-6-1	2/20/2020	6.7	-	ND
DUP2 (C-6-1)	2/20/2020	3.2	-	-
C-7-1N	2/20/2020	2.9	-	ND
C-7-2S	2/20/2020	3.0	-	ND
C-8-1	2/20/2020	3.6	-	ND
C-9-1	2/20/2020	16.1	-	ND
DUP6 (C-9-1)	2/20/2020	20.9	-	-
C-10-1	2/20/2020	7.0	-	ND
C-12-1	2/20/2020	1.5	-	ND
C-13-1	2/20/2020	4.8	-	ND
C-14-1	2/20/2020	1.2	-	ND
C-15-1	2/20/2020	2.4	-	ND
C-16-1	2/20/2020	29.4	-	ND
C-20-1	2/20/2020	66.6	-	ND
C-24-1	2/20/2020	33.9	-	ND
D-1-1	2/20/2020	6.2	-	ND
D-2-1	2/20/2020	5.0	-	ND
D-3-1N	2/21/2020	4.5	-	ND
D-3-2C	2/21/2020	12.9	-	ND
D-3-3S	2/21/2020	2.1	-	ND
D-4-1	2/21/2020	4.6	-	ND
D-5-1	2/21/2020	180	<0.20	ND
D-6-1	2/21/2020	31.3	-	ND
D-11-1	2/21/2020	1.5	-	ND
D-12-1N	2/21/2020	11.4	-	ND
D-12-2S	2/21/2020	2.8	-	ND
D-13-1W	2/21/2020	3.6	-	ND
D-13-2E	2/21/2020	14.4	-	ND

Notes:
mg/L - miligrams per liter
ND- Not Detected
TCLP - Toxicity characteristic leaching procedure
Total lead analysis conducted per EPA Method 6010
TCLP lead analysis conducted per EPA Method 6010/1311
Asbestos analysis conducted by polarized light microscopy (PLM)
Bold *indicates total lead concentration exceeds the residential RSL or asbestos fibers detected*

Source(s):
PPM Consultants, Inc.
PPM Project No. 40096601-T04

TABLE 2
DEMOLITION DEBRIS PILE VOLUME/WEIGHT ESTIMATES
CITY OF VALLEY
FORMER FAIRFAX MILL
VALLEY, ALABAMA

DEBRIS PILE ESTIMATED VOLUME/WEIGHT							ON SITE/SEPARATE		SUBTITLE D LANDFILL	
Area ID	CY as Cube	Tons as Cube	CY as Cone	Tons as Cone	CY (median)	Tons (median)	CY On Site	Tons On Site	CY Landfill	Tons Landfill
A1	93	116	31	39	62	77	0	0	62	77
A2	658	823	219	274	439	548	439	548	0	0
A3	61	77	20	26	41	51	0	0	41	51
A4	71	89	24	30	48	59	0	0	48	59
A5	160	200	53	67	107	133	0	0	107	133
A6	7	8	2	3	4	5	0	0	4	5
A7	328	411	109	137	219	274	0	0	219	274
A8	15	18	5	6	10	12	0	0	10	12
A9	126	158	42	53	84	105	0	0	84	105
A10	55	68	18	23	37	46	0	0	37	46
A11	704	880	235	293	469	587	469	587	0	0
A12	15	19	5	6	10	12	0	0	10	12
A13	172	215	57	72	115	143	0	0	115	143
A14	66	83	22	28	44	55	44	55	0	0
A15	159	199	53	66	106	132	106	132	0	0
A16	56	70	19	23	37	46	0	0	37	46
A17	17	21	6	7	11	14	0	0	11	14
A18	138	173	46	58	92	115	0	0	92	115
A19	151	189	50	63	101	126	0	0	101	126
A20	74	93	25	31	50	62	0	0	50	62
A21	223	279	74	93	149	186	149	186	0	0
A22	339	423	113	141	226	282	0	0	226	282
A23	30	38	10	13	20	25	0	0	20	25
A24	133	166	44	55	89	111	0	0	89	111
A25	1,022	1,278	341	426	682	852	682	852	0	0
A26	286	357	95	119	191	238	191	238	0	0
A27	13	16	4	5	8	11	8	11	0	0
A28	318	397	106	132	212	265	212	265	0	0
A29	75	94	25	31	50	62	50	62	0	0
A30	29	37	10	12	20	24	20	24	0	0
A31	78	98	26	33	52	65	52	65	0	0
A32	101	127	34	42	68	84	0	0	68	84
A33	58	72	19	24	39	48	39	48	0	0
A34	75	94	25	31	50	62	50	62	0	0
B1	103	129	34	43	69	86	69	86	0	0
B2	699	873	233	291	466	582	466	582	0	0
B3	291	364	97	121	194	243	194	243	0	0
B4	796	995	265	332	531	663	531	663	0	0
B5	96	121	32	40	64	80	64	80	0	0
B6	157	196	52	65	105	131	105	131	0	0
B7	280	350	93	117	187	234	0	0	187	234
B8	278	347	93	116	185	231	185	231	0	0
B9	80	100	27	33	53	66	53	66	0	0
B10	247	309	82	103	165	206	165	206	0	0
B11	669	837	223	279	446	558	0	0	446	558
B12	241	302	80	101	161	201	161	201	0	0
B13	86	108	29	36	57	72	57	72	0	0
B14	184	230	61	77	123	153	0	0	123	153
B15	60	75	20	25	40	50	0	0	40	50
B16	143	179	48	60	96	119	96	119	0	0
B17	94	118	31	39	63	79	0	0	63	79
B18	176	220	59	73	118	147	118	147	0	0
B19	134	168	45	56	89	112	0	0	89	112
B20	248	310	83	103	165	207	165	207	0	0
B21	29	37	10	12	20	24	20	24	0	0
B22	186	233	62	78	124	155	124	155	0	0
B23	56	70	19	23	37	47	37	47	0	0
B24	96	121	32	40	64	80	64	80	0	0
B25	23	29	8	10	15	19	15	19	0	0
B26	377	471	126	157	251	314	251	314	0	0
B27	155	193	52	64	103	129	103	129	0	0
B28	180	225	60	75	120	150	120	150	0	0
B29	10	13	3	4	7	9	0	0	7	9
C1	264	330	88	110	176	220	176	220	0	0
C2	209	261	70	87	139	174	139	174	0	0
C3	435	544	145	181	290	362	290	362	0	0
C4	177	221	59	74	118	148	118	148	0	0
C5	51	64	17	21	34	42	34	42	0	0
C6	48	60	16	20	32	40	32	40	0	0
C7	365	456	122	152	243	304	243	304	0	0
C8	113	141	38	47	75	94	75	94	0	0
C9	44	55	15	18	30	37	30	37	0	0
C10	229	287	76	96	153	191	153	191	0	0
C11	680	850	227	283	453	566	0	0	453	566
C12	175	218	58	73	116	145	116	145	0	0
C13	60	75	20	25	40	50	40	50	0	0
C14	109	136	36	45	73	91	73	91	0	0
C15	141	176	47	59	94	118	94	118	0	0
C16	74	92	25	31	49	61	0	0	49	61
C17	19	24	6	8	13	16	0	0	13	16
C18	28	36	9	12	19	24	0	0	19	24
C19	59	74	20	25	39	49	0	0	39	49
C20	189	236	63	79	126	157	126	157	0	0
C21	115	144	38	48	77	96	0	0	77	96
C22	67	83	22	28	45	56	0	0	45	56

TABLE 2
DEMOLITION DEBRIS PILE VOLUME/WEIGHT ESTIMATES
CITY OF VALLEY
FORMER FAIRFAX MILL
VALLEY, ALABAMA

DEBRIS PILE ESTIMATED VOLUME/WEIGHT							ON SITE/SEPARATE		SUBTITLE D LANDFILL	
Area ID	**CY as Cube**	**Tons as Cube**	**CY as Cone**	**Tons as Cone**	**CY (median)**	**Tons (median)**	**CY On Site**	**Tons On Site**	**CY Landfill**	**Tons Landfill**
C23	0	0	0	0	0	0	0	0	0	0
C24	173	217	58	72	116	145	116	145	0	0
C25	41	51	14	17	27	34	0	0	27	34
C26	326	408	109	136	217	272	0	0	217	272
D1	3	3	2	3	2	3	2	3	0	0
D2	154	193	51	64	103	129	103	129	0	0
D3	662	828	221	276	442	552	442	552	0	0
D4	101	127	34	42	68	84	68	84	0	0
D5	165	207	55	69	110	138	110	138	0	0
D6	160	200	53	67	107	134	107	134	0	0
D7	198	247	66	82	132	165	0	0	132	165
D8	151	189	50	63	101	126	0	0	101	126
D9	1,125	1,406	375	469	750	938	0	0	750	938
D10	129	161	43	54	86	107	0	0	86	107
D11	176	221	59	74	118	147	118	147	0	0
D12	312	391	104	130	208	260	208	260	0	0
D13	345	431	115	144	230	288	230	288	0	0
TOTALS	**19,958**	**24,948**	**6,654**	**8,318**	**13,306**	**16,633**	**8,914**	**11,143**	**4,392**	**5,490**
	CY as Cube	**Tons as Cube**	**CY as Cone**	**Tons as Cone**	**CY (median)**	**Tons (median)**	**CY On Site**	**Tons On Site**	**CY Landfill**	**Tons Landfill**

Notes: *CY- cubic yards*

Source(s): *PPM Consultants, Inc.*
PPM Project No. 40096601-T04

APPENDIX E – LABORATORY REPORTS

ASBESTOS (DEMOLITION RUBBLE)

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

March 06, 2020

Mike Dillon
PPM Consultants
5555 Bankhead Hwy
Birmingham, AL 35210

RE: Project: Former Fairfax Mill
Pace Project No.: 20143944

Dear Mike Dillon:
Enclosed are the analytical results for sample(s) received by the laboratory on February 26, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Melissa MacNaughton

Melissa MacNaughton
melissa.macnaughton@pacelabs.com
(504)469-0333
Project Manager

Enclosures

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Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: Former Fairfax Mill
Pace Project No.: 20143944

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20143944001	A-3-1	Bulk	02/18/20 09:05	02/26/20 08:30
20143944002	A-4-1	Bulk	02/18/20 09:45	02/26/20 08:30
20143944003	A-5-1	Bulk	02/18/20 13:59	02/26/20 08:30
20143944004	A-7-1N	Bulk	02/18/20 10:15	02/26/20 08:30
20143944005	A-7-2S	Bulk	02/18/20 10:19	02/26/20 08:30
20143944006	A-8-1	Bulk	02/18/20 10:37	02/26/20 08:30
20143944007	A-9-1	Bulk	02/18/20 11:01	02/26/20 08:30
20143944008	A-10-1	Bulk	02/18/20 12:28	02/26/20 08:30
20143944009	A-12-1	Bulk	02/18/20 12:47	02/26/20 08:30
20143944010	A-13-1	Bulk	02/18/20 13:00	02/26/20 08:30
20143944011	A-14-1	Bulk	02/18/20 16:32	02/26/20 08:30
20143944012	A-15-1S	Bulk	02/18/20 15:55	02/26/20 08:30
20143944013	A-15-2N	Bulk	02/18/20 16:01	02/26/20 08:30
20143944014	A-16-1	Bulk	02/18/20 15:50	02/26/20 08:30
20143944015	A-17-1	Bulk	02/18/20 15:47	02/26/20 08:30
20143944016	A-18-1	Bulk	02/18/20 13:20	02/26/20 08:30
20143944017	A-19-1	Bulk	02/18/20 13:32	02/26/20 08:30
20143944018	A-22-1W	Bulk	02/18/20 15:15	02/26/20 08:30
20143944019	A-22-2E	Bulk	02/18/20 15:24	02/26/20 08:30
20143944020	A-23-1	Bulk	02/19/20 09:46	02/26/20 08:30
20143944021	A-25-1N	Bulk	02/18/20 09:20	02/26/20 08:30
20143944022	A-25-2E	Bulk	02/19/20 09:21	02/26/20 08:30
20143944023	A-25-3W	Bulk	02/19/20 09:24	02/26/20 08:30
20143944024	A-25-5C	Bulk	02/19/20 09:25	02/26/20 08:30
20143944025	A-28-1N	Bulk	02/19/20 08:50	02/26/20 08:30
20143944026	A-28-2S	Bulk	02/19/20 08:45	02/26/20 08:30
20143944027	A-29-1	Bulk	02/19/20 08:58	02/26/20 08:30
20143944028	A-30-1	Bulk	02/19/20 08:00	02/26/20 08:30
20143944029	A-31-1	Bulk	02/19/20 07:50	02/26/20 08:30
20143944030	A-33-1	Bulk	02/19/20 07:35	02/26/20 08:30
20143944031	A-34-1	Bulk	02/19/20 08:20	02/26/20 08:30
20143944032	B-1-1	Bulk	02/19/20 14:50	02/26/20 08:30
20143944033	B-2-1E	Bulk	02/19/20 15:35	02/26/20 08:30
20143944034	B-2-2C	Bulk	02/19/20 15:40	02/26/20 08:30
20143944035	B-2-3W	Bulk	02/19/20 15:37	02/26/20 08:30
20143944036	B-3-1S	Bulk	02/19/20 14:54	02/26/20 08:30
20143944037	B-3-2N	Bulk	02/19/20 14:57	02/26/20 08:30

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Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: Former Fairfax Mill
Pace Project No.: 20143944

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20143944038	B-4-1N	Bulk	02/19/20 15:18	02/26/20 08:30
20143944039	B-4-2S	Bulk	02/19/20 15:12	02/26/20 08:30
20143944040	B-4-3E	Bulk	02/19/20 15:16	02/26/20 08:30
20143944041	B-4-4W	Bulk	02/19/20 15:14	02/26/20 08:30
20143944042	B-5-1	Bulk	02/19/20 15:51	02/26/20 08:30
20143944043	B-6-1N	Bulk	02/19/20 12:33	02/26/20 08:30
20143944044	B-6-2S	Bulk	02/19/20 12:36	02/26/20 08:30
20143944045	B-8-1N	Bulk	02/19/20 16:05	02/26/20 08:30
20143944046	B-8-2S	Bulk	02/19/20 16:00	02/26/20 08:30
20143944047	B-9-1	Bulk	02/19/20 12:18	02/26/20 08:30
20143944048	B-10-1	Bulk	02/19/20 14:33	02/26/20 08:30
20143944049	B-11-1N	Bulk	02/19/20 16:23	02/26/20 08:30
20143944050	B-11-2C	Bulk	02/19/20 16:32	02/26/20 08:30
20143944051	B-11-3S	Bulk	02/19/20 16:37	02/26/20 08:30
20143944052	B-12-1	Bulk	02/19/20 12:08	02/26/20 08:30
20143944053	B-13-1	Bulk	02/19/20 10:40	02/26/20 08:30
20143944054	B-14-1	Bulk	02/19/20 14:08	02/26/20 08:30
20143944055	B-15-1	Bulk	02/19/20 14:17	02/26/20 08:30
20143944056	B-16-1	Bulk	02/19/20 14:13	02/26/20 08:30
20143944057	B-17-1	Bulk	02/19/20 10:35	02/26/20 08:30
20143944058	B-18-1	Bulk	02/19/20 13:50	02/26/20 08:30
20143944059	B-19-1	Bulk	02/20/20 07:48	02/26/20 08:30
20143944060	B-20-1	Bulk	02/19/20 10:15	02/26/20 08:30
20143944061	B-21-1	Bulk	02/20/20 07:50	02/26/20 08:30
20143944062	B-22-1	Bulk	02/19/20 10:18	02/26/20 08:30
20143944063	B-23-1	Bulk	02/19/20 13:35	02/26/20 08:30
20143944064	B-24-1	Bulk	02/19/20 10:21	02/26/20 08:30
20143944065	B-25-1	Bulk	02/19/20 13:30	02/26/20 08:30
20143944066	B-26-1N	Bulk	02/19/20 13:18	02/26/20 08:30
20143944067	B-26-2S	Bulk	02/19/20 13:20	02/26/20 08:30
20143944068	B-27-1	Bulk	02/20/20 08:27	02/26/20 08:30
20143944069	B-28-1	Bulk	02/19/20 13:45	02/26/20 08:30
20143944070	B-29-1	Bulk	02/20/20 08:01	02/26/20 08:30
20143944071	C-1-1N	Bulk	02/20/20 16:07	02/26/20 08:30
20143944072	C-1-2S	Bulk	02/20/20 16:11	02/26/20 08:30
20143944073	C-2-1	Bulk	02/20/20 16:20	02/26/20 08:30
20143944074	C-3-1E	Bulk	02/20/20 16:26	02/26/20 08:30

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Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: Former Fairfax Mill
Pace Project No.: 20143944

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20143944075	C-3-2W	Bulk	02/20/20 16:32	02/26/20 08:30
20143944076	C-4-1	Bulk	02/20/20 14:35	02/26/20 08:30
20143944077	C-5-1	Bulk	02/20/20 14:35	02/26/20 08:30
20143944078	C-6-1	Bulk	02/20/20 10:42	02/26/20 08:30
20143944079	C-7-1N	Bulk	02/20/20 10:25	02/26/20 08:30
20143944080	C-7-2S	Bulk	02/20/20 10:14	02/26/20 08:30
20143944081	C-8-1	Bulk	02/20/20 09:47	02/26/20 08:30
20143944082	C-9-1	Bulk	02/20/20 16:45	02/26/20 08:30
20143944083	C-10-1	Bulk	02/20/20 13:55	02/26/20 08:30
20143944084	C-12-1	Bulk	02/20/20 15:00	02/26/20 08:30
20143944085	C-13-1	Bulk	02/20/20 15:05	02/26/20 08:30
20143944086	C-14-1	Bulk	02/20/20 10:07	02/26/20 08:30
20143944087	C-15-1	Bulk	02/20/20 09:57	02/26/20 08:30
20143944088	C-16-1	Bulk	02/20/20 13:40	02/26/20 08:30
20143944089	C-20-1	Bulk	02/20/20 13:35	02/26/20 08:30
20143944090	C-24-1	Bulk	02/20/20 13:17	02/26/20 08:30
20143944091	D-1-1	Bulk	02/20/20 10:53	02/26/20 08:30
20143944092	D-2-1	Bulk	02/20/20 11:04	02/26/20 08:30
20143944093	D-3-1N	Bulk	02/21/20 07:30	02/26/20 08:30
20143944094	D-3-2C	Bulk	02/21/20 07:35	02/26/20 08:30
20143944095	D-3-3S	Bulk	02/21/20 07:38	02/26/20 08:30
20143944096	D-4-1	Bulk	02/21/20 07:57	02/26/20 08:30
20143944097	D-5-1	Bulk	02/21/20 07:20	02/26/20 08:30
20143944098	D-6-1	Bulk	02/21/20 09:00	02/26/20 08:30
20143944099	D-11-1	Bulk	02/21/20 08:38	02/26/20 08:30
20143944100	D-12-1N	Bulk	02/21/20 08:08	02/26/20 08:30
20143944101	D-12-2S	Bulk	02/21/20 08:11	02/26/20 08:30
20143944102	D-13-1W	Bulk	02/21/20 08:18	02/26/20 08:30
20143944103	A-25-4S	Bulk	02/19/20 09:27	02/26/20 08:30
20143944104	D-13-2E	Bulk	02/21/20 09:22	02/26/20 08:30

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Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project:
Pace Project No.:

Method:
Description:
Client:
Date:

This data package has been reviewed for quality and completeness and is approved for release.

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20009566

WO# : 20143944

20143944

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request D

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must

Page : 1 Of 11

Section A Required Client Information		Section B Required Project Information:		Section C Invoice Information:	
Company	PPM Consultants Inc	Report To	Mike Dillon	Attention	AP RH@ppmcn.com
Address	5555 Bankhead Highway	Copy To		Company Name	PPM Consultants, Inc
Birmingham, AL 35210				Address	5555 Bankhead Highway, Birmingham, AL 35210
Email	[illegible]	Purchase Order #	40096601-T04	Pace Quote	082318_PPM_RaceTrac Multi Phase II
Phone	205-826-5650 Fax [illegible]	Project Name	Former Fairfax Mill	Pace Project Manager	Melissa MacNaughton@pace[illegible]
Requested Due Date		Project #	40096601-T04	Pace Profile #	

Regulatory Agency
State / Location
AL

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (Sample Type)	SAMPLE TYPE (G-GRAB, C-COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Asbestos	Residual Chlorine (Y/N)
1	A-3-1	SL	G			2/18/20	9:05		1	X									X	
2	A-4-1	SL	G			2/18/20	9:45		1	X									X	
3	A-5-1	SL	G			2/18/20	13:59		1	X									X	
4	A-7-1B	SL	G			2/18/20	10:15		1	X									X	
5	A-7-2B	SL	G			2/18/20	10:19		1	X									X	
6	A-8-1	SL	G			2/18/20	10:37		1	X									X	
7	A-9-1	SL	G			2/18/20	11:01		1	X									X	
8	A-10-1	SL	G			2/18/20	12:28		1	X									X	
9	A-12-1	SL	G			2/18/20	12:47		1	X									X	
10	A-13-1	SL	G			2/18/20	13:00		1	X									X	
11	A-14-1	SL	G			2/18/20	16:32		1	X									X	
12	A-15-15	SL	G			2/18/20	15:55		1	X									X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[illegible]	2-21-20	17:20	Office	2/21/20	1720	
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404	
					2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company	PPM Consultants Inc
Address	5555 Bankhead Highway
	Birmingham, AL 35210
Email	Mike.dillon@ppmco.com
Phone	205-836-5650 Fax 205-836-5249
Requested Due Date	

Section B
Required Project Information:

Report To	Mike Dillon
Copy To	
Purchase Order #	40096601-T04
Project Name	Former Fairfax Mill
Project #	40096601-T04

Section C
Invoice Information:

Attention	AP.BH@ppmco.com
Company Name	PPM Consultants, Inc.
Address	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote	082318 PPM RaceTrac Multi Phase II
Pace Project Manager	Melissa.MacNaughton@pacelabs.com
Pace Profile #	

Regulatory Agency
State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Asbestos	Residual Chlorine (Y/N)
13 1	A-15-2N	SL	G			2/18/20	16:01		1	X									X	
14 2	A-16-1	SL	G			2/18/20	15:50		1	X									X	
15 3	A-17-1	SL	G			2/18/20	15:47		1	X									X	
16 4	A-18-1	SL	G			2/18/20	13:20		1	X									X	
17 5	A-19-1	SL	G			2/18/20	13:32		1	X									X	
18 6	A-22-1W	SL	G			2/18/20	15:15		1	X									X	
19 7	A-22-2E	SL	G			2/18/20	15:24		1	X									X	
20 8	A-23-1	SL	G			2/19/20	9:46		1	X									X	
21 9	A-25-1N	SL	G			2/18/20	9:20		1	X									X	
22 10	A-25-2E	SL	G			2/19/20	9:21		1	X									X	
23 11	A-25-3W	SL	G			2/19/20	9:24		1	X									X	
103 ~~12~~	A-25-4S	SL	G			2/19/20	9:27		1	X									X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720	
	[illegible]	2-24-20	1404	[illegible]	2-24-20	1404	
				(B)	2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date	

Section B
Required Project Information:

Report To	Mike Dillon
Copy To	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency
State / Location
AL

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): Asbestos	Residual Chlorine (Y/N)
24 1	A-25-5C	SL	G			2/19/20	9:25		1	X									X	
25 2	A-28-1N	SL	G			2/19/20	8:50		1	X									X	
26 3	A-28-2S	SL	G			2/19/20	8:45		1	X									X	
27 4	A-29-1	SL	G			2/19/20	8:58		1	X									X	
28 5	A-30-1	SL	G			2/19/20	8:00		1	X									X	
29 6	A-31-1	SL	G			2/19/20	7:50		1	X									X	
30 7	A-33-1	SL	G			2/19/20	7:35		1	X									X	
31 8	A-34-1	SL	G			2/19/20	8:20		1	X									X	
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Conn Gaston	2-21-20	17:20	Office	2/21/20	1720
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404
				LB	2/27/20	9:20am

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: PPM Consultants Inc.	Report To: Mike Dillon	Attention: AP.BH@ppmco.com
Address: 5555 Bankhead Highway	Copy To:	Company Name: PPM Consultants, Inc.
Birmingham, AL 35210		Address: 5555 Bankhead Highway, Birmingham, AL 35210
Email: Mike.dillon@ppmco.com	Purchase Order #: 40096601-T04	Pace Quote: 082318_PPM_RaceTrac Multi Phase II
Phone: 205-836-5650 Fax: 205-836-5249	Project Name: Former Fairfax Mill	Pace Project Manager: Melissa.MacNaughton@pacelabs.com
Requested Due Date:	Project #:40096601-T04	Pace Profile #:

Regulatory Agency:

State / Location: AL

Requested Analysis Filtered (Y/N)

	ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Asbestos	Residual Chlorine (Y/N)
32	1	B-1-1	SL	G			2/19/20	14:50		1	X									X	
33	2	B-2-1E	SL	G			2/19/20	15:35		1	X									X	
34	3	B-2-2C	SL	G			2/19/20	15:40		1	X									X	
35	4	B-2-3W	SL	G			2/19/20	15:37		1	X									X	
36	5	B-3-1S	SL	G			2/19/20	14:54		1	X									X	
37	6	B-3-2N	SL	G			2/19/20	14:57		1	X									X	
38	7	B-4-1N	SL	G			2/19/20	15:18		1	X									X	
39	8	B-4-2S	SL	G			2/19/20	15:12		1	X									X	
40	9	B-4-3E	SL	G			2/19/20	15:16		1	X									X	
41	10	B-4-4W	SL	G			2/19/20	15:14		1	X									X	
42	11	B-5-1	SL	G			2/19/20	15:51		1	X									X	
43	12	B-6-1N	SL	G			2/19/20	12:33		1	X									X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Conn Gaston	2-21-20	17:20	Office	2/21/20	1120	
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404	
				[illegible]	2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	
State / Location	AL

Requested Analysis Filtered (Y/N): Y/N

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: Asbestos	Residual Chlorine (Y/N)
44 1	B-6-2S	SL	G			2/19/20	12:36		1	X								X	
45 2	B-8-1N	SL	G			2/19/20	16:05		1	X								X	
46 3	B-8-2S	SL	G			2/19/20	16:00		1	X								X	
47 4	B-9-1	SL	G			2/19/20	12:18		1	X								X	
48 5	B-10-1	SL	G			2/19/20	14:33		1	X								X	
49 6	B-11-1N	SL	G			2/19/20	16:23		1	X								X	
50 7	B-11-2C	SL	G			2/19/20	16:32		1	X								X	
51 8	B-11-3S	SL	G			2/19/20	16:37		1	X								X	
52 9	B-12-1	SL	G			2/19/20	12:05		1	X								X	
53 10	B-13-1	SL	G			2/19/20	10:40		1	X								X	
54 11	B-14-1	SL	G			2/19/20	14:08		1	X								X	
55 12	B-15-1	SL	G			2/19/20	14:17		1	X								X	

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720	
	[illegible]	2-24-20	1440	[illegible] Pace	2-24-20	1404	
				CM	2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company	PPM Consultants Inc	Report To	Mike Dillon	Attention	AP.BH@ppmco.com
Address:	5555 Bankhead Highway	Copy To		Company Name:	PPM Consultants, Inc
Birmingham, AL 35210				Address	5555 Bankhead Highway, Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com	Purchase Order #:	40096601-T04	Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Phone	205-836-5650 Fax: 205-836-5249	Project Name:	Former Fairfax Mill	Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Requested Due Date:		Project #:	40096601-T04	Pace Profile #:	

Regulatory Agency
State / Location
AL

	ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (C=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): Asbestos	Residual Chlorine (Y/N)
56	1	B-16-1	SL	G			2/19/20	14:13		1	X									X	
57	2	B-17-1	SL	G			2/19/20	10:35		1	X									X	
58	3	B-18-1	SL	G			2/19/20	13:50		1	X									X	
59	4	B-19-1	SL	G			2/20/20	7:48		1	X									X	
60	5	B-20-1	SL	G			2/19/20	10:15		1	X									X	
61	6	B-21-1	SL	G			2/20/20	7:50		1	X									X	
62	7	B-22-1	SL	G			2/19/20	10:18		1	X									X	
63	8	B-23-1	SL	G			2/19/20	13:35		1	X									X	
64	9	B-24-1	SL	G			2/19/20	10:21		1	X									X	
65	10	B-25-1	SL	G			2/19/20	13:30		1	X									X	
66	11	B-26-1N	SL	G			2/19/20	13:18		1	X									X	
67	12	B-26-2S	SL	G			2/19/20	13:20		1	X									X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Conn Gaston	2-21-20	17:20	Office	2/21/20	1720	
	Mike Dillon	2-24-20	1404	Jerry Sapler Pace	2-24-20	1404	
					2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company	PPM Consultants Inc.
Address	5555 Bankhead Highway
Birmingham, AL 35210	
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency
State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N: Asbestos	Residual Chlorine (Y/N)
68 1	B-27-1	SL	G			2/20/20	8:27		1	X								X	
69 2	B-28-1	SL	G			2/19/20	13:45		1	X								X	
70 3	B-29-1	SL	G			2/20/20	8:01		1	X								X	
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Conn Gaston	2-21-20	17:30	Office	2/21/20	17:20	
	[illegible]	2-24-20	1404	[illegible] Pace CB	2-24-20	1404	
					2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address	5555 Bankhead Highway
Birmingham, AL 35210	
Email:	Mike.dillon@ppmco.com
Phone: 205-836-5650	Fax: 205-836-5249
Requested Due Date	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project # 40096601-T04	

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318 PPM RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency

State / Location
al

Requested Analysis Filtered (Y/N)

	ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N): Asbestos	Residual Chlorine (Y/N)
71	1	C-1-1N	SL	G			2/20/20	16:07		1	X								X	
72	2	C-1-2S	SL	G			2/20/20	16:11		1	X								X	
73	3	C-2-1	SL	G			2/20/20	16:20		1	X								X	
74	4	C-3-1E	SL	G			2/20/20	16:28		1	X								X	
75	5	C-3-2W	SL	G			2/20/20	16:32		1	X								X	
76	6	C-4-1	SL	G			2/20/20	14:38		1	X								X	
77	7	C-5-1	SL	G			2/20/20	14:35		1	X								X	
78	8	C-6-1	SL	G			2/20/20	10:42		1	X								X	
79	9	C-7-1N	SL	G			2/20/20	10:25		1	X								X	
80	10	C-7-2S	SL	G			2/20/20	10:14		1	X								X	
81	11	C-8-1	SL	G			2/20/20	9:47		1	X								X	
82	12	C-9-1	SL	G			2/20/20	16:45		1	X								X	

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720	
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404	
				LB	2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

TEMP in C | Received on ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A — Required Client Information:

Company	PPM Consultants Inc
Address:	5555 Bankhead Highway
Birmingham, AL 35210	
Email	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Cue Date:	

Section B — Required Project Information:

Report To	Mike Dillon
Copy To:	
Purchase Order #	40096601-T04
Project Name:	Former Fairfax Mill
Project #	40096601-T04

Section C — Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name.	PPM Consultants, Inc
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318 PPM RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency
State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

Requested Analysis Filtered (Y/N): Y/N

	ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: Asbestos	Residual Chlorine (Y/N)
83	1	C-10-1	SL	G			2/20/20	13:55		1	X								X	
84	2	C-12-1	SL	G			2/20/20	15:00		1	X								X	
85	3	C-13-1	SL	G			2/20/20	15:05		1	X								X	
~~86~~	4	C-14-1	SL	G			2/20/20	10:07		1	X								X	
87	5	C-15-1	SL	G			2/20/20	9:57		1	X								X	
88	6	C-16-1	SL	G			2/20/20	13:40		1	X								X	
89	7	C-20-1	SL	G			2/20/20	13:35		1	X								X	
90	8	C-24-1	SL	G			2/20/20	13:17		1	X								X	
	9																			
	10																			
	11																			
	12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Connor Gaston	2-21-20	17:20	Office	2/21/20	17:20	
	Mike Dillon	2-24-20	1404	Jerry Sykes Pace CB	2-24-20	1404	
					2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address	5555 Bankhead Highway
Birmingham, AL 35210	
Email:	Mike.dillon@ppmce.com
Phone	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmce.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency
State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N): Asbestos	Residual Chlorine (Y/N)
91 1	D-1-1	SL	G			2/20/20	10:53		1									X	
92 2	D-2-1	SL	G			2/20/20	11:04		1									X	
93 3	D-3-1N	SL	G			2/21/20	7:30		1									X	
94 4	D-3-2C	SL	G			2/21/20	7:35		1									X	
95 5	D-3-3S	SL	G			2/21/20	7:38		1									X	
96 6	D-4-1	SL	G			2/21/20	7:57		1									X	
97 7	D-5-1	SL	G			2/21/20	7:20		1									X	
98 8	D-6-1	SL	G			2/21/20	9:00		1									X	
99 9	D-11-1	SL	G			2/21/20	8:38		1									X	
100 10	D-12-1N	SL	G			2/21/20	8:08		1									X	
101 11	D-12-2S	SL	G			2/21/20	8:11		1									X	
102 12	D-13-1W	SL	G			2/21/20	8:18		1									X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Connor Gaston	2-21-20	17:20	Office	2/21/20	17:20	
	MW Rice	2-24-20	1404	Jyoti Dipa Rao	2-24-20	1404	
				CB	2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	PPM Consultants Inc
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318 PPM RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	
State / Location	TN

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Asbestos	Residual Chlorine (Y/N)
103 1	D-13-1W	SL	G			2/21/20	9:18		1	X									X	
104 2	D-13-2E	SL	G			2/21/20	9:22		1	X									X	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Matrix codes: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Conner Gaston	2-21-20	17:20	Office	2/21/20	17:20	
	MW Dill	2-24-20	1404	Jerry Dipps Pace	2-24-20	1404	
				LB	2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Conner Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SanAir Technologies Laboratory

The Identification Specialists

Analysis Report prepared for Pace Analytical Services, LLC.

Report Date: 3/5/2020

Project Name: Former Fairfax Mill

Project #: WO# 20143944

SanAir ID#: 20009566

NVLAP TESTING

NVLAP LAB CODE 200870-0

1551 Oakbridge Dr. Suite B | Powhatan, Virginia 23139-8061
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com

SanAir ID Number
20009566
FINAL REPORT
3/5/2020 6:20:35 PM

Name: Pace Analytical Services, LLC.
Address: 4320 Midmost Drive
Mobile, AL 36609
Phone: 251-344-9106

Project Number: WO# 20143944
P.O. Number:
Project Name: Former Fairfax Mill
Collected Date: 2/18/2020 - 2/21/2020
Received Date: 2/27/2020 9:20:00 AM

Dear Mary Kathryn Brenner,

We at SanAir would like to thank you for the work you recently submitted. The 104 sample(s) were received on Thursday, February 27, 2020 via FedEx. The final report(s) is enclosed for the following sample(s): A-3-1, A-4-1, A-5-1, A-7-1N, A-7-2S, A-8-1, A-9-1, A-10-1, A-12-1, A-13-1, A-14-1, A-15-1S, A-15-2N, A-16-1, A-17-1, A-18-1, A-19-1, A-22-1W, A-22-2E, A-23-1, A-25-1N, A-25-2E, A-25-3W, A-25-4S, A-25-5C, A-28-1N, A-28-2S, A-29-1, A-30-1, A-31-1, A-33-1, A-34-1, B-1-1, B-2-1E, B-2-2C, B-2-3W, B-3-1S, B-3-2N, B-4-1N, B-4-2S, B-4-3E, B-4-4W, B-5-1, B-6-1N, B-6-2S, B-8-1N, B-8-2S, B-9-1, B-10-1, B-11-1N, B-11-2C, B-11-3S, B-12-1, B-13-1, B-14-1, B-15-1, B-16-1, B-17-1, B-18-1, B-19-1, B-20-1, B-21-1, B-22-1, B-23-1, B-24-1, B-25-1, B-26-1N, B-26-2S, B-27-1, B-28-1, B-29-1, C-1-1N, C-1-2S, C-2-1, C-3-1E, C-3-2W, C-4-1, C-5-1, C-6-1, C-7-1N, C-7-2S, C-8-1, C-9-1, C-10-1, C-12-1, C-13-1, C-14-1, C-15-1, C-16-1, C-20-1, C-24-1, D-1-1, D-2-1, D-3-1N, D-3-2C, D-3-3S, D-4-1, D-5-1, D-6-1, D-11-1, D-12-1N, D-12-2S, D-13-1W, D-13-2E. The following sample(s) were unusable and were not tested: D-13-1W

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:
- 104 samples in Good condition.
- 1 samples in Sample Not Received condition. (#104)

SanAir Technologies Laboratory

SanAir ID Number
20009566
FINAL REPORT
3/5/2020 6:20:35 PM

Name: Pace Analytical Services, LLC.
Address: 4320 Midmost Drive
Mobile, AL 36609
Phone: 251-344-9106

Project Number: WO# 20143944
P.O. Number:
Project Name: Former Fairfax Mill
Collected Date: 2/18/2020 - 2/21/2020
Received Date: 2/27/2020 9:20:00 AM

Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-001	20009566-002	20009566-003	20009566-004	20009566-005
Sample Number	A-3-1	A-4-1	A-5-1	A-7-1N	A-7-2S
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	Present	Present	Present	Present	Present
Asbestos Type	Amosite	Amosite	Chrysotile	Chrysotile	Chrysotile

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir Technologies Laboratory

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-006	20009566-007	20009566-008	20009566-009	20009566-010
Sample Number	A-8-1	A-9-1	A-10-1	A-12-1	A-13-1
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	Present	Present	Present	Present	Present
Asbestos Type	Chrysotile	Chrysotile	Amosite	Amosite	Amosite

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir Technologies Laboratory

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-011	20009566-012	20009566-013	20009566-014	20009566-015
Sample Number	A-14-1	A-15-1S	A-15-2N	A-16-1	A-17-1
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	Present	Present
Asbestos Type	None Detected	None Detected	None Detected	Amosite	Amosite

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir Technologies Laboratory

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-016	20009566-017	20009566-018	20009566-019	20009566-020
Sample Number	A-18-1	A-19-1	A-22-1W	A-22-2E	A-23-1
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	Present	Present	None Detected	Present	Present
Asbestos Type	Amosite	Amosite	None Detected	Amosite	Amosite

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir Technologies Laboratory

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-021	20009566-022	20009566-023	20009566-024	20009566-025
Sample Number	A-25-1N	A-25-2E	A-25-3W	A-25-4S	A-25-5C
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir Technologies Laboratory

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-026	20009566-027	20009566-028	20009566-029	20009566-030
Sample Number	A-28-1N	A-28-2S	A-29-1	A-30-1	A-31-1
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir Technologies Laboratory

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-031	20009566-032	20009566-033	20009566-034	20009566-035
Sample Number	A-33-1	A-34-1	B-1-1	B-2-1E	B-2-2C
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir Technologies Laboratory

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-036	20009566-037	20009566-038	20009566-039	20009566-040
Sample Number	B-2-3W	B-3-1S	B-3-2N	B-4-1N	B-4-2S
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

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SanAir Technologies Laboratory

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-041	20009566-042	20009566-043	20009566-044	20009566-045
Sample Number	B-4-3E	B-4-4W	B-5-1	B-6-1N	B-6-2S
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir Technologies Laboratory

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Project Number: WO# 20143944
P.O. Number:
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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-046	20009566-047	20009566-048	20009566-049	20009566-050
Sample Number	B-8-1N	B-8-2S	B-9-1	B-10-1	B-11-1N
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	Present
Asbestos Type	None Detected	None Detected	None Detected	None Detected	Chrysotile

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir ID Number
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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-051	20009566-052	20009566-053	20009566-054	20009566-055
Sample Number	B-11-2C	B-11-3S	B-12-1	B-13-1	B-14-1
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	Present	None Detected	None Detected	None Detected	Present
Asbestos Type	Chrysotile	None Detected	None Detected	None Detected	Chrysotile

Analyst: Brandi Moore
Approved Signatory: Sandra Sobrino
Analysis Date: 3/5/2020
Date: 3/5/2020

SanAir Technologies Laboratory

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-056	20009566-057	20009566-058	20009566-059	20009566-060
Sample Number	B-15-1	B-16-1	B-17-1	B-18-1	B-19-1
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir Technologies Laboratory

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-061	20009566-062	20009566-063	20009566-064	20009566-065
Sample Number	B-20-1	B-21-1	B-22-1	B-23-1	B-24-1
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir ID Number
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Project Number: WO# 20143944
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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-066	20009566-067	20009566-068	20009566-069	20009566-070
Sample Number	B-25-1	B-26-1N	B-26-2S	B-27-1	B-28-1
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore
Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020
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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-071	20009566-072	20009566-073	20009566-074	20009566-075
Sample Number	B-29-1	C-1-1N	C-1-2S	C-2-1	C-3-1E
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	Present	None Detected	None Detected	None Detected	None Detected
Asbestos Type	Chrysotile	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore
Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020
Date: 3/5/2020

SanAir Technologies Laboratory

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-076	20009566-077	20009566-078	20009566-079	20009566-080
Sample Number	C-3-2W	C-4-1	C-5-1	C-6-1	C-7-1N
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-081	20009566-082	20009566-083	20009566-084	20009566-085
Sample Number	C-7-2S	C-8-1	C-9-1	C-10-1	C-12-1
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-086	20009566-087	20009566-088	20009566-089	20009566-090
Sample Number	C-13-1	C-14-1	C-15-1	C-16-1	C-20-1
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

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Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-091	20009566-092	20009566-093	20009566-094	20009566-095
Sample Number	C-24-1	D-1-1	D-2-1	D-3-1N	D-3-2C
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir Technologies Laboratory

SanAir ID Number
20009566
FINAL REPORT
3/5/2020 6:20:35 PM

Name: Pace Analytical Services, LLC.
Address: 4320 Midmost Drive
Mobile, AL 36609
Phone: 251-344-9106

Project Number: WO# 20143944
P.O. Number:
Project Name: Former Fairfax Mill
Collected Date: 2/18/2020 - 2/21/2020
Received Date: 2/27/2020 9:20:00 AM

Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-096	20009566-097	20009566-098	20009566-099	20009566-100
Sample Number	D-3-3S	D-4-1	D-5-1	D-6-1	D-11-1
Sample Identification					
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte					
Asbestos	None Detected	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir Technologies Laboratory

SanAir ID Number
20009566
FINAL REPORT
3/5/2020 6:20:35 PM

Name: Pace Analytical Services, LLC.
Address: 4320 Midmost Drive
Mobile, AL 36609
Phone: 251-344-9106

Project Number: WO# 20143944
P.O. Number:
Project Name: Former Fairfax Mill
Collected Date: 2/18/2020 - 2/21/2020
Received Date: 2/27/2020 9:20:00 AM

Analyst: Moore, Brandi

Asbestos PLM Qualitative

SanAir ID Number	20009566-101	20009566-102	20009566-103	20009566-105
Sample Number	D-12-1N	D-12-2S	D-13-1W	D-13-2E
Sample Identification				
Sample Type	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk	Asbestos Bulk
Analyte				
Asbestos	None Detected	None Detected	None Detected	None Detected
Asbestos Type	None Detected	None Detected	None Detected	None Detected

Analyst: Brandi Moore

Approved Signatory: Sandra Sobrino

Analysis Date: 3/5/2020

Date: 3/5/2020

SanAir Technologies Laboratory

1551 Oakbridge Dr. STE B
Powhatan, VA 23139
804.897.1177 / 888.895.1177
Fax 804.897.0070
sanair.com

Asbestos Chain of Custody

Form 140, Rev 3, 8/28/19

SanAir ID Number: 20009566

Company: Pace Analytical	Project #: WO# 20143944	Collected by:
Address: 1000 Riverbend Dr	Project Name: Former Fairfax Mill	Phone #:
City, St., Zip: Saint Rose, LA 70087	Date Collected: 2.18 - 2.21	Fax #:
State of Collection: Account#:	P.O. Number:	Email:

Bulk

ABB	PLM EPA 600/R-93/116	☒
	Positive Stop	☐
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB**	☐
ABBCH	TEM Chatfield**	☐
ABBTM	TEM EPA NOB**	☐
ABQ	PLM Qualitative	☐

** Available on 24-hr. to 5-day TAT

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐
Other:		☐

New York ELAP

ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐

Soil

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐

Vermiculite & Soil

ABSP	PLM CARB 435 (LOD <1%)	☐
ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABSP2	PLM CARB 435 (LOD 0.1%)	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Water

ABHE	EPA 100.2	☐

Other

Matrix		
		☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) ☐	12 HR ☐	1 Day ☐
	☐ 2 Days	☐ 3 Days	☐ 4 Days	☒ 5 Days

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start – Stop Time*	
	See attached COC's					
	-BSD (251) 776-8524					
	w/any questions					
	All samples are Grabs					

Relinquished by	Date	Time	Received by	Date	Time
[signature]	2.26.20		CO	2/27/20	9:20am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of $150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

20009566

WO# : 20143944

20143944

PaceAnalytical

CHAIN-OF-CUSTODY / Analytical Request D

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must

Section A
Required Client Information

Company:	PPM Consultants, Inc
Address:	5555 Bankhead Highway
Birmingham, AL 35210	
Email:	[illegible]
Phone:	205-326-5555 Fax: [illegible]
Requested Due Date:	

Section B
Required Project information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #	40096601-T04
Project Name	Former Fairfax Mill
Project #	40096601-T04

Section C
Invoice Information:

Attention:	AP-[illegible]
Company Name:	PPM Consultants, Inc
Address	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager	[illegible]
Pace Profile #	

Regulatory Agency
State / Location
AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Tissue TS, Air AIR, Other OT)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Asbestos	Residual Chlorine (Y/N)
1	A-1-1	SL	G			2/18/20	9:05		1	X									X	
2	A-4-1	SL	G			2/18/20	9:45		1	X									X	
3	A-5-1	SL	G			2/18/20	13:59		1	X									X	
4	A-7-18	SL	G			2/18/20	10:15		1	X									X	
5	A-7-25	SL	G			2/18/20	10:19		1	X									X	
6	A-8-1	SL	G			2/18/20	10:37		1	X									X	
7	A-9-1	SL	G			2/18/20	11:01		1	X									X	
8	A-10-1	SL	G			2/18/20	12:28		1	X									X	
9	A-12-1	SL	G			2/18/20	12:47		1	X									X	
10	A-13-1	SL	G			2/18/20	13:00		1	X									X	
11	A-14-1	SL	G			2/18/20	16:32		1	X									X	
12	A-15-15	SL	G			2/18/20	15:55		1	X									X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[illegible]	2-21-20	1720	[illegible]	2/21/20	1720	
	[illegible]	2-24-20	1404	[illegible] Rec	2-24-20	1404	
				[illegible]	2/21/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company	PPM Consultants Inc
Address	5555 Bankhead Highway
	Birmingham, AL 35210
Email	Mike.dillon@ppmco.com
Phone	205-836-5650 Fax 205-836-5249
Requested Due Date	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318 PPM RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency
State / Location
AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N): Asbestos	Residual Chlorine (Y/N)
13 1	A-15-2N	SL	G			2/18/20	16:01		1	X								X	
14 2	A-16-1	SL	G			2/18/20	15:50		1	X								X	
15 3	A-17-1	SL	G			2/18/20	15:47		1	X								X	
16 4	A-18-1	SL	G			2/18/20	13:20		1	X								X	
17 5	A-19-1	SL	G			2/18/20	13:32		1	X								X	
18 6	A-22-1W	SL	G			2/18/20	15:15		1	X								X	
19 7	A-22-2E	SL	G			2/18/20	15:24		1	X								X	
20 8	A-23-1	SL	G			2/19/20	9:46		1	X								X	
21 9	A-25-1N	SL	G			2/18/20	9:20		1	X								X	
22 10	A-25-2E	SL	G			2/19/20	9:21		1	X								X	
23 11	A-25-3W	SL	G			2/19/20	9:24		1	X								X	
103 ~~12~~	A-25-4S	SL	G			2/19/20	9:27		1	X								X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Conn Gaston	2-21-20	17:20	Office	2/21/20	1720	
	[signature]	2-24-20	1404	[signature]	2-24-20	1404	
				(B)	2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Connor Gaston
SIGNATURE of SAMPLER:	DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date	

Section B
Required Project Information:

Report To	Mike Dillon
Copy To	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency
State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N: Asbestos	Residual Chlorine (Y/N)
24 1	A-25-5C	SL	G			2/19/20	9:25		1	X								X	
25 2	A-28-1N	SL	G			2/19/20	8:50		1	X								X	
26 3	A-28-2S	SL	G			2/19/20	8:45		1	X								X	
27 4	A-29-1	SL	G			2/19/20	8:58		1	X								X	
28 5	A-30-1	SL	G			2/19/20	8:00		1	X								X	
29 6	A-31-1	SL	G			2/19/20	7:50		1	X								X	
30 7	A-33-1	SL	G			2/19/20	7:35		1	X								X	
31 8	A-34-1	SL	G			2/19/20	8:20		1	X								X	
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Conn Gaston	2-21-20	17:20	Office	2/21/20	1720
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404
				LB	2/27/20	9:20am

SAMPLE CONDITIONS: TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	PPM Consultants Inc
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	
State / Location	AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N): Asbestos	Residual Chlorine (Y/N)
32 1	B-1-1	SL	G			2/19/20	14:50		1	X								X	
33 2	B-2-1E	SL	G			2/19/20	15:35		1	X								X	
34 3	B-2-2C	SL	G			2/19/20	15:40		1	X								X	
35 4	B-2-3W	SL	G			2/19/20	15:37		1	X								X	
36 5	B-3-1S	SL	G			2/19/20	14:54		1	X								X	
37 6	B-3-2N	SL	G			2/19/20	14:57		1	X								X	
38 7	B-4-1N	SL	G			2/19/20	15:18		1	X								X	
39 8	B-4-2S	SL	G			2/19/20	15:12		1	X								X	
40 9	B-4-3E	SL	G			2/19/20	15:16		1	X								X	
41 10	B-4-4W	SL	G			2/19/20	15:14		1	X								X	
42 11	B-5-1	SL	G			2/19/20	15:51		1	X								X	
43 12	B-6-1N	SL	G			2/19/20	12:33		1	X								X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Conner Gaston	2-21-20	17:20	Office	2/21/20	1720	
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404	
				Cb	2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Conner Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	
State / Location	AL

Requested Analysis Filtered (Y/N): Y/N

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

	ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: Asbestos	Residual Chlorine (Y/N)
44	1	B-6-2S	SL	G			2/19/20	12:36		1	X								X	
45	2	B-8-1N	SL	G			2/19/20	16:05		1	X								X	
46	3	B-8-2S	SL	G			2/19/20	16:00		1	X								X	
47	4	B-9-1	SL	G			2/19/20	12:18		1	X								X	
48	5	B-10-1	SL	G			2/19/20	14:33		1	X								X	
49	6	B-11-1N	SL	G			2/19/20	16:23		1	X								X	
50	7	B-11-2C	SL	G			2/19/20	16:32		1	X								X	
51	8	B-11-3S	SL	G			2/19/20	16:37		1	X								X	
52	9	B-12-1	SL	G			2/19/20	12:05		1	X								X	
53	10	B-13-1	SL	G			2/19/20	10:40		1	X								X	
54	11	B-14-1	SL	G			2/19/20	14:08		1	X								X	
55	12	B-15-1	SL	G			2/19/20	14:17		1	X								X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720	
	[illegible]	2-24-20	1440	[illegible] Pace	2-24-20	1404	
				CM	2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company	PPM Consultants Inc	Report To	Mike Dillon	Attention	AP.BH@ppmco.com
Address:	5555 Bankhead Highway	Copy To		Company Name:	PPM Consultants, Inc
Birmingham, AL 35210				Address	5555 Bankhead Highway, Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com	Purchase Order #:	40096601-T04	Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Phone	205-836-5650 Fax: 205-836-5249	Project Name:	Former Fairfax Mill	Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Requested Due Date:		Project #:	40096601-T04	Pace Profile #:	

Regulatory Agency
State / Location
AL

	ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (C=GRAB C=COMP)	COLLECTED START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): Asbestos	Residual Chlorine (Y/N)
56	1	B-16-1	SL	G			2/19/20	14:13		1	X									X	
57	2	B-17-1	SL	G			2/19/20	10:35		1	X									X	
58	3	B-18-1	SL	G			2/19/20	13:50		1	X									X	
59	4	B-19-1	SL	G			2/20/20	7:48		1	X									X	
60	5	B-20-1	SL	G			2/19/20	10:15		1	X									X	
61	6	B-21-1	SL	G			2/20/20	7:50		1	X									X	
62	7	B-22-1	SL	G			2/19/20	10:18		1	X									X	
63	8	B-23-1	SL	G			2/19/20	13:35		1	X									X	
64	9	B-24-1	SL	G			2/19/20	10:21		1	X									X	
65	10	B-25-1	SL	G			2/19/20	13:30		1	X									X	
66	11	B-26-1N	SL	G			2/19/20	13:18		1	X									X	
67	12	B-26-2S	SL	G			2/19/20	13:20		1	X									X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Conn Gaston	2-21-20	17:20	Office	2/21/20	1720	
	Mike Dillon	2-24-20	1404	Jerry Sapler Pace	2-24-20	1404	
					2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company	PPM Consultants Inc.
Address	5555 Bankhead Highway
Birmingham, AL 35210	
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency
State / Location
AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Asbestos	Residual Chlorine (Y/N)
68 1	B-27-1	SL	G			2/20/20	8:27		1	X									X	
69 2	B-28-1	SL	G			2/19/20	13:45		1	X									X	
70 3	B-29-1	SL	G			2/20/20	8:01		1	X									X	
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

MATRIX CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Conn Gaston	2-21-20	17:30	Office	2/21/20	17:20	
	[illegible]	2-24-20	1404	[illegible] Rec CB	2-24-20	1404	
					2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

20009566

Pace Analytical

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Phone: 205-836-5650	Fax: 205-836-5249
Requested Due Date	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project # 40096601-T04	

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318 PPM RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency
State / Location
al

Requested Analysis Filtered (Y/N)

	ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N: Asbestos	Residual Chlorine (Y/N)
71	1	C-1-1N	SL	G			2/20/20	16:07		1	X								X	
72	2	C-1-2S	SL	G			2/20/20	16:11		1	X								X	
73	3	C-2-1	SL	G			2/20/20	16:20		1	X								X	
74	4	C-3-1E	SL	G			2/20/20	16:28		1	X								X	
75	5	C-3-2W	SL	G			2/20/20	16:32		1	X								X	
76	6	C-4-1	SL	G			2/20/20	14:38		1	X								X	
77	7	C-5-1	SL	G			2/20/20	14:35		1	X								X	
78	8	C-6-1	SL	G			2/20/20	10:42		1	X								X	
79	9	C-7-1N	SL	G			2/20/20	10:25		1	X								X	
80	10	C-7-2S	SL	G			2/20/20	10:14		1	X								X	
81	11	C-8-1	SL	G			2/20/20	9:47		1	X								X	
82	12	C-9-1	SL	G			2/20/20	16:45		1	X								X	

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720	
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404	
				LB	2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

TEMP in C | Received on ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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Company	PPM Consultants Inc
Address:	5555 Bankhead Highway
Birmingham, AL 35210	
Email	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Cue Date:	

Section B
Required Project Information:

Report To	Mike Dillon
Copy To:	
Purchase Order #	40096601-T04
Project Name:	Former Fairfax Mill
Project #	40096601-T04

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Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318 PPM RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency
State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

Requested Analysis Filtered (Y/N)

	ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N): Asbestos	Residual Chlorine (Y/N)
83	1	C-10-1	SL	G			2/20/20	13:55		1	X								X	
84	2	C-12-1	SL	G			2/20/20	15:00		1	X								X	
85	3	C-13-1	SL	G			2/20/20	15:05		1	X								X	
~~86~~	4	C-14-1	SL	G			2/20/20	10:07		1	X								X	
87	5	C-15-1	SL	G			2/20/20	9:57		1	X								X	
88	6	C-16-1	SL	G			2/20/20	13:40		1	X								X	
89	7	C-20-1	SL	G			2/20/20	13:35		1	X								X	
90	8	C-24-1	SL	G			2/20/20	13:17		1	X								X	
	9																			
	10																			
	11																			
	12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Connor Gaston	2-21-20	17:20	Office	2/21/20	17:20	
	Mike Dillon	2-24-20	1404	Jerry Sykes Pace CB	2-24-20	1404	
					2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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Required Client Information:

Company:	PPM Consultants Inc.
Address	5555 Bankhead Highway
Birmingham, AL 35210	
Email:	Mike.dillon@ppmce.com
Phone	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #	40096601-T04

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Attention:	AP.BH@ppmce.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency
State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N): Asbestos	Residual Chlorine (Y/N)
91 1	D-1-1	SL	G			2/20/20	10:53		1									X	
92 2	D-2-1	SL	G			2/20/20	11:04		1									X	
93 3	D-3-1N	SL	G			2/21/20	7:30		1									X	
94 4	D-3-2C	SL	G			2/21/20	7:35		1									X	
95 5	D-3-3S	SL	G			2/21/20	7:38		1									X	
96 6	D-4-1	SL	G			2/21/20	7:57		1									X	
97 7	D-5-1	SL	G			2/21/20	7:20		1									X	
98 8	D-6-1	SL	G			2/21/20	9:00		1									X	
99 9	D-11-1	SL	G			2/21/20	8:38		1									X	
100 10	D-12-1N	SL	G			2/21/20	8:08		1									X	
101 11	D-12-2S	SL	G			2/21/20	8:11		1									X	
102 12	D-13-1W	SL	G			2/21/20	8:18		1									X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Connor Gaston	2-21-20	17:20	Office	2/21/20	17:20	
	MW Rice	2-24-20	1404	Jyn Dipas Rec	2-24-20	1404	
				CB	2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

20009566

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A
Required Client Information:

Company:	PPM Consultants Inc
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318 PPM RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	
State / Location	TN

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N)	Asbestos	Residual Chlorine (Y/N)
103 1	D-13-1W	SL	G			2/21/20	9:18		1	X									X	
104 2	D-13-2E	SL	G			2/21/20	9:22		1	X									X	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Conner Gaston	2-21-20	17:20	Office	2/21/20	17:20	
	MW Dill	2-24-20	1404	Jerry Dipps Pace	2-24-20	1404	
				GB	2/27/20	9:20am	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Conner Gaston

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

20009566

Clay H. Burris

From:	Jordan L. Ridgeway
Sent:	Thursday, February 27, 2020 9:27 AM
To:	Login
Cc:	AsbestosVA
Subject:	FW: Asbestos Crushed Concrete and Brick
Attachments:	JPEG.jpeg; JPEG.jpeg

When we receive these samples today, please analyze for ABQ. It should be 100-140 samples of mixed soil/concrete.

Jordan Ridgeway
Regional Account Manager
SanAir Technologies Laboratory, Inc
1551 Oakbridge Drive, Suite B
Powhatan, Va 23139
Phone: 804.897.1177
Phone: 888.895.1177
Fax 804.897.0070

SanAir Technologies Laboratory
www.sanair.com

"The Identification Specialists"
Asbestos, Environmental Microbiology, Legionella, Materials Testing

The information transmitted herewith is sensitive information intended only for use to the individual or entity to which it is addressed. If the reader of this message is not the intended recipient, you are hereby notified that any review, retransmission, dissemination, distribution, copying or other use of, or taking of any action in reliance upon, this information is strictly prohibited. If you have received this communication in error, please contact the sender and delete the material from your computer.

From: Jenny Snipes [mailto:Jenny.Snipes@pacelabs.com]
Sent: Thursday, February 27, 2020 8:50 AM
To: Jordan L. Ridgeway <jridgeway@sanair.com>
Cc: Melissa MacNaughton <Melissa.MacNaughton@pacelabs.com>
Subject: RE: Asbestos Crushed Concrete and Brick

Hi Jordan,

You will be receiving the samples today. When you get them, can you tell us if there enough sample to run the qualitative PLM and then if we do have Asbestos make a decision to run PLM Carb 435 LOD <1% on the sample?

CB 2/27/20 9:27 AM

TOTAL LEAD (DEMOLITION RUBBLE)

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

March 05, 2020

Mike Dillon
PPM Consultants
5555 Bankhead Hwy
Birmingham, AL 35210

RE: Project: Former Fairfax Mill
Pace Project No.: 20144201

Dear Mike Dillon:
Enclosed are the analytical results for sample(s) received by the laboratory on February 26, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Melissa MacNaughton

Melissa MacNaughton
melissa.macnaughton@pacelabs.com
(504)469-0333
Project Manager

Enclosures

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Pace Analytical Services New Orleans

California Env. Lab Accreditation Program Branch: 11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Pennsylviania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC): T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-00119
Commonwealth of Virginia (TNI): 480246

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Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20144201001	A-3-1	Solid	02/18/20 09:05	02/26/20 08:30
20144201002	A-4-1	Solid	02/18/20 09:45	02/26/20 08:30
20144201003	A-5-1	Solid	02/18/20 13:59	02/26/20 08:30
20144201004	A-7-1N	Solid	02/18/20 10:15	02/26/20 08:30
20144201005	A-7-2S	Solid	02/18/20 10:19	02/26/20 08:30
20144201006	A-8-1	Solid	02/18/20 10:39	02/26/20 08:30
20144201007	A-9-1	Solid	02/18/20 11:01	02/26/20 08:30
20144201008	A-10-1	Solid	02/18/20 12:28	02/26/20 08:30
20144201009	A-12-1	Solid	02/18/20 12:47	02/26/20 08:30
20144201010	A-13-1	Solid	02/18/20 13:00	02/26/20 08:30
20144201011	A-14-1	Solid	02/18/20 16:32	02/26/20 08:30
20144201012	A-15-1S	Solid	02/18/20 15:55	02/26/20 08:30
20144201013	A-15-2N	Solid	02/18/20 16:01	02/26/20 08:30
20144201014	A-16-1	Solid	02/18/20 15:50	02/26/20 08:30
20144201015	A-17-1	Solid	02/18/20 15:47	02/26/20 08:30
20144201016	A-18-1	Solid	02/18/20 13:20	02/26/20 08:30
20144201017	A-19-1	Solid	02/18/20 13:32	02/26/20 08:30
20144201018	A-22-1W	Solid	02/18/20 15:15	02/26/20 08:30
20144201019	A-22-2E	Solid	02/18/20 15:24	02/26/20 08:30
20144201020	A-23-1	Solid	02/19/20 09:46	02/26/20 08:30
20144201021	A-25-1N	Solid	02/18/20 09:20	02/26/20 08:30
20144201022	A-25-2E	Solid	02/19/20 09:21	02/26/20 08:30
20144201023	A-25-3W	Solid	02/19/20 09:24	02/26/20 08:30
20144201024	A-25-4S	Solid	02/19/20 09:27	02/26/20 08:30
20144201025	A-25-5C	Solid	02/19/20 09:25	02/26/20 08:30
20144201026	A-28-1N	Solid	02/19/20 08:50	02/26/20 08:30
20144201027	A-28-2S	Solid	02/19/20 08:54	02/26/20 08:30
20144201028	A-29-1	Solid	02/19/20 08:58	02/26/20 08:30
20144201029	A-30-1	Solid	02/19/20 08:00	02/26/20 08:30
20144201030	A-31-1	Solid	02/19/20 07:50	02/26/20 08:30
20144201031	A-33-1	Solid	02/19/20 07:35	02/26/20 08:30
20144201032	A-34-1	Solid	02/19/20 08:20	02/26/20 08:30
20144201033	B-1-1	Solid	02/19/20 14:50	02/26/20 08:30
20144201034	B-2-1E	Solid	02/19/20 15:35	02/26/20 08:30
20144201035	B-2-2C	Solid	02/19/20 15:40	02/26/20 08:30
20144201036	B-2-3W	Solid	02/19/20 15:37	02/26/20 08:30
20144201037	B-3-1S	Solid	02/19/20 14:54	02/26/20 08:30

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Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20144201038	B-3-2N	Solid	02/19/20 14:57	02/26/20 08:30
20144201039	B-4-1N	Solid	02/19/20 15:18	02/26/20 08:30
20144201040	B-4-2S	Solid	02/19/20 15:12	02/26/20 08:30
20144201041	B-4-3E	Solid	02/19/20 15:16	02/26/20 08:30
20144201042	B-4-4W	Solid	02/19/20 15:14	02/26/20 08:30
20144201043	B-5-1	Solid	02/19/20 15:51	02/26/20 08:30
20144201044	B-6-1N	Solid	02/19/20 12:33	02/26/20 08:30
20144201045	B-6-2S	Solid	02/19/20 12:36	02/26/20 08:30
20144201046	B-8-1N	Solid	02/19/20 16:05	02/26/20 08:30
20144201047	B-8-2S	Solid	02/19/20 16:00	02/26/20 08:30
20144201048	B-9-1	Solid	02/19/20 12:18	02/26/20 08:30
20144201049	B-10-1	Solid	02/19/20 14:33	02/26/20 08:30
20144201050	B-11-1N	Solid	02/19/20 16:23	02/26/20 08:30
20144201051	B-11-2C	Solid	02/19/20 16:32	02/26/20 08:30
20144201052	B-11-3S	Solid	02/19/20 16:37	02/26/20 08:30
20144201053	B-12-1	Solid	02/19/20 12:05	02/26/20 08:30
20144201054	B-13-1	Solid	02/19/20 10:40	02/26/20 08:30
20144201055	B-14-1	Solid	02/19/20 14:08	02/26/20 08:30
20144201056	B-15-1	Solid	02/19/20 14:17	02/26/20 08:30
20144201057	B-16-1	Solid	02/19/20 14:13	02/26/20 08:30
20144201058	B-17-1	Solid	02/19/20 10:35	02/26/20 08:30
20144201059	B-18-1	Solid	02/19/20 13:50	02/26/20 08:30
20144201060	B-19-1	Solid	02/20/20 07:48	02/26/20 08:30
20144201061	B-20-1	Solid	02/19/20 10:15	02/26/20 08:30
20144201062	B-21-1	Solid	02/20/20 07:50	02/26/20 08:30
20144201063	B-22-1	Solid	02/19/20 10:18	02/26/20 08:30
20144201064	B-23-1	Solid	02/19/20 13:35	02/26/20 08:30
20144201065	B-24-1	Solid	02/19/20 10:21	02/26/20 08:30
20144201066	B-25-1	Solid	02/19/20 13:30	02/26/20 08:30
20144201067	B-26-1N	Solid	02/19/20 13:18	02/26/20 08:30
20144201068	B-26-2S	Solid	02/19/20 13:20	02/26/20 08:30
20144201069	B-27-1	Solid	02/20/20 08:29	02/26/20 08:30
20144201070	B-28-1	Solid	02/19/20 13:45	02/26/20 08:30
20144201071	B-29-1	Solid	02/20/20 08:01	02/26/20 08:30
20144201072	C-1-1N	Solid	02/20/20 16:07	02/26/20 08:30
20144201073	C-1-2S	Solid	02/20/20 16:11	02/26/20 08:30
20144201074	C-2-1	Solid	02/20/20 16:20	02/26/20 08:30

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SAMPLE SUMMARY

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20144201075	C-3-1E	Solid	02/20/20 16:28	02/26/20 08:30
20144201076	C-3-2W	Solid	02/20/20 16:32	02/26/20 08:30
20144201077	C-4-1	Solid	02/20/20 14:38	02/26/20 08:30
20144201078	C-5-1	Solid	02/20/20 14:35	02/26/20 08:30
20144201079	C-6-1	Solid	02/20/20 10:42	02/26/20 08:30
20144201080	C-7-1N	Solid	02/20/20 10:25	02/26/20 08:30
20144201081	C-7-2S	Solid	02/20/20 10:14	02/26/20 08:30
20144201082	C-8-1	Solid	02/20/20 09:47	02/26/20 08:30
20144201083	C-9-1	Solid	02/20/20 16:45	02/26/20 08:30
20144201084	C-10-1	Solid	02/20/20 13:55	02/26/20 08:30
20144201085	C-12-1	Solid	02/20/20 15:00	02/26/20 08:30
20144201086	C-13-1	Solid	02/20/20 15:05	02/26/20 08:30
20144201087	C-14-1	Solid	02/20/20 10:07	02/26/20 08:30
20144201088	C-15-1	Solid	02/20/20 09:57	02/26/20 08:30
20144201089	C-16-1	Solid	02/20/20 13:45	02/26/20 08:30
20144201090	C-20-1	Solid	02/20/20 13:35	02/26/20 08:30
20144201091	C-24-1	Solid	02/20/20 13:17	02/26/20 08:30
20144201092	D-1-1	Solid	02/20/20 10:53	02/26/20 08:30
20144201093	D-2-1	Solid	02/20/20 11:04	02/26/20 08:30
20144201094	D-3-1N	Solid	02/21/20 07:30	02/26/20 08:30
20144201095	D-3-2C	Solid	02/21/20 07:35	02/26/20 08:30
20144201096	D-3-3S	Solid	02/21/20 07:38	02/26/20 08:30
20144201097	D-4-1	Solid	02/21/20 07:57	02/26/20 08:30
20144201098	D-5-1	Solid	02/21/20 07:20	02/26/20 08:30
20144201099	D-6-1	Solid	02/21/20 09:00	02/26/20 08:30
20144201100	D-11-1	Solid	02/21/20 08:38	02/26/20 08:30
20144201101	D-12-1N	Solid	02/21/20 08:08	02/26/20 08:30
20144201102	D-12-2S	Solid	02/21/20 08:11	02/26/20 08:30
20144201103	D-13-1W	Solid	02/21/20 09:18	02/26/20 08:30
20144201104	D-13-2E	Solid	02/21/20 09:22	02/26/20 08:30
20144201105	DUP	Solid	02/18/20 00:00	02/26/20 08:30
20144201106	DUP2	Solid	02/20/20 00:00	02/26/20 08:30
20144201107	DUP3	Solid	02/20/20 00:00	02/26/20 08:30
20144201108	DUP4	Solid	02/19/20 00:00	02/26/20 08:30
20144201109	DUP5	Solid	02/19/20 00:00	02/26/20 08:30
20144201110	DUP6	Solid	02/20/20 00:00	02/26/20 08:30

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20144201001	**A-3-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201002	**A-4-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201003	**A-5-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201004	**A-7-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201005	**A-7-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201006	**A-8-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201007	**A-9-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201008	**A-10-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201009	**A-12-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201010	**A-13-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201011	**A-14-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201012	**A-15-1S**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201013	**A-15-2N**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201014	**A-16-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201015	**A-17-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201016	**A-18-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201017	**A-19-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201018	**A-22-1W**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201019	**A-22-2E**	EPA 6010	FC1	1	PASI-N

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Moisture	PMB	1	PASI-N
20144201020	**A-23-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201021	**A-25-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201022	**A-25-2E**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201023	**A-25-3W**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201024	**A-25-4S**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201025	**A-25-5C**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201026	**A-28-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201027	**A-28-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201028	**A-29-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201029	**A-30-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201030	**A-31-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201031	**A-33-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201032	**A-34-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201033	**B-1-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201034	**B-2-1E**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201035	**B-2-2C**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201036	**B-2-3W**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201037	**B-3-1S**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20144201038	**B-3-2N**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201039	**B-4-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201040	**B-4-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201041	**B-4-3E**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201042	**B-4-4W**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201043	**B-5-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201044	**B-6-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201045	**B-6-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201046	**B-8-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201047	**B-8-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201048	**B-9-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201049	**B-10-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201050	**B-11-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201051	**B-11-2C**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201052	**B-11-3S**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201053	**B-12-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201054	**B-13-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201055	**B-14-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201056	**B-15-1**	EPA 6010	FC1	1	PASI-N

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Moisture	GGG1	1	PASI-N
20144201057	**B-16-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201058	**B-17-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201059	**B-18-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201060	**B-19-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201061	**B-20-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201062	**B-21-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201063	**B-22-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201064	**B-23-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201065	**B-24-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201066	**B-25-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201067	**B-26-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201068	**B-26-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201069	**B-27-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201070	**B-28-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201071	**B-29-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201072	**C-1-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201073	**C-1-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201074	**C-2-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20144201075	**C-3-1E**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201076	**C-3-2W**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201077	**C-4-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201078	**C-5-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201079	**C-6-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201080	**C-7-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201081	**C-7-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201082	**C-8-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201083	**C-9-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201084	**C-10-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201085	**C-12-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201086	**C-13-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201087	**C-14-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201088	**C-15-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201089	**C-16-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201090	**C-20-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201091	**C-24-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201092	**D-1-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201093	**D-2-1**	EPA 6010	FC1	1	PASI-N

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Moisture	SJS	1	PASI-N
20144201094	**D-3-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201095	**D-3-2C**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201096	**D-3-3S**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201097	**D-4-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201098	**D-5-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201099	**D-6-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201100	**D-11-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201101	**D-12-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201102	**D-12-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201103	**D-13-1W**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201104	**D-13-2E**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201105	**DUP**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201106	**DUP2**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201107	**DUP3**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201108	**DUP4**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201109	**DUP5**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201110	**DUP6**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N

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PROJECT NARRATIVE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Method: **EPA 6010**
Description: 6010 Metals, Total
Client: PPM BIRMINGHAM
Date: March 05, 2020

General Information:
110 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 176839

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 75126186001

R1: RPD value was outside control limits.

- MSD (Lab ID: 806463)
  - Lead

QC Batch: 176853

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20144201020

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 806570)
  - Lead

R1: RPD value was outside control limits.

- MSD (Lab ID: 806571)
  - Lead

QC Batch: 176954

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20144201059

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 807034)

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PROJECT NARRATIVE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Method: **EPA 6010**
Description: 6010 Metals, Total
Client: PPM BIRMINGHAM
Date: March 05, 2020

QC Batch: 176954

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20144201059

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Lead
- MSD (Lab ID: 807035)
  - Lead

QC Batch: 176957

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20144201099

R1: RPD value was outside control limits.

- MSD (Lab ID: 807049)
  - Lead

QC Batch: 177616

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20144201037

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 810831)
  - Lead
- MSD (Lab ID: 810832)
  - Lead

R1: RPD value was outside control limits.

- MSD (Lab ID: 810832)
  - Lead

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-3-1 **Lab ID: 20144201001** Collected: 02/18/20 09:05 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**23.7**	mg/kg	0.48	1	02/28/20 09:02	03/02/20 17:50	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.8**	%	0.50	1		02/28/20 09:15		

Sample: A-4-1 **Lab ID: 20144201002** Collected: 02/18/20 09:45 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**74.6**	mg/kg	0.43	1	02/28/20 09:02	03/02/20 17:54	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.6**	%	0.50	1		02/28/20 09:17		

Sample: A-5-1 **Lab ID: 20144201003** Collected: 02/18/20 13:59 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**63.1**	mg/kg	0.48	1	02/28/20 09:02	03/02/20 17:58	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.5**	%	0.50	1		02/28/20 09:18		

Sample: A-7-1N **Lab ID: 20144201004** Collected: 02/18/20 10:15 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**22.3**	mg/kg	0.38	1	02/28/20 09:02	03/02/20 18:02	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.5**	%	0.50	1		02/28/20 09:19		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-7-2S **Lab ID: 20144201005** Collected: 02/18/20 10:19 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**27.6**	mg/kg	0.42	1	02/28/20 09:02	03/02/20 18:18	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.8**	%	0.50	1		02/28/20 09:19		

Sample: A-8-1 **Lab ID: 20144201006** Collected: 02/18/20 10:39 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**33.7**	mg/kg	0.55	1	02/28/20 09:02	03/02/20 18:22	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.9**	%	0.50	1		02/28/20 09:20		

Sample: A-9-1 **Lab ID: 20144201007** Collected: 02/18/20 11:01 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**27.8**	mg/kg	0.47	1	02/28/20 09:02	03/02/20 18:26	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.1**	%	0.50	1		02/28/20 09:23		

Sample: A-10-1 **Lab ID: 20144201008** Collected: 02/18/20 12:28 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**20.4**	mg/kg	0.53	1	02/28/20 09:02	03/02/20 18:30	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.5**	%	0.50	1		02/28/20 09:24		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-12-1 **Lab ID: 20144201009** Collected: 02/18/20 12:47 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**40.9**	mg/kg	0.54	1	02/28/20 09:02	03/02/20 18:34	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**18.1**	%	0.50	1		02/28/20 09:25		

Sample: A-13-1 **Lab ID: 20144201010** Collected: 02/18/20 13:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**19.2**	mg/kg	0.43	1	02/28/20 09:02	03/02/20 18:38	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.3**	%	0.50	1		02/28/20 09:26		

Sample: A-14-1 **Lab ID: 20144201011** Collected: 02/18/20 16:32 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**91.2**	mg/kg	0.45	1	02/28/20 09:02	03/02/20 18:42	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.2**	%	0.50	1		02/28/20 09:27		

Sample: A-15-1S **Lab ID: 20144201012** Collected: 02/18/20 15:55 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**25.8**	mg/kg	0.49	1	02/28/20 09:02	03/02/20 18:46	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**4.7**	%	0.50	1		02/28/20 09:27		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-15-2N **Lab ID: 20144201013** Collected: 02/18/20 16:01 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**29.1**	mg/kg	0.40	1	02/28/20 09:02	03/02/20 18:50	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.5**	%	0.50	1		02/28/20 09:29		

Sample: A-16-1 **Lab ID: 20144201014** Collected: 02/18/20 15:50 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**13.1**	mg/kg	0.52	1	02/28/20 09:02	03/02/20 18:54	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.4**	%	0.50	1		02/28/20 09:29		

Sample: A-17-1 **Lab ID: 20144201015** Collected: 02/18/20 15:47 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**5.1**	mg/kg	0.51	1	02/28/20 09:02	03/02/20 19:10	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.6**	%	0.50	1		02/28/20 09:30		

Sample: A-18-1 **Lab ID: 20144201016** Collected: 02/18/20 13:20 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**73.7**	mg/kg	0.38	1	02/28/20 09:02	03/02/20 19:14	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**21.9**	%	0.50	1		02/28/20 09:31		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-19-1 **Lab ID: 20144201017** Collected: 02/18/20 13:32 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**5300**	mg/kg	93.8	1	02/28/20 09:02	03/02/20 19:19	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**99.6**	%	0.50	1		02/28/20 09:31		

Sample: A-22-1W **Lab ID: 20144201018** Collected: 02/18/20 15:15 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**44.8**	mg/kg	0.39	1	02/28/20 09:02	03/02/20 19:22	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.3**	%	0.50	1		02/28/20 09:32		

Sample: A-22-2E **Lab ID: 20144201019** Collected: 02/18/20 15:24 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**42.9**	mg/kg	0.46	1	02/28/20 09:02	03/02/20 19:26	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**18.8**	%	0.50	1		02/28/20 09:35		

Sample: A-23-1 **Lab ID: 20144201020** Collected: 02/19/20 09:46 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**45.2**	mg/kg	0.56	1	02/28/20 09:02	03/02/20 22:34	7439-92-1	M1,R1
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**18.3**	%	0.50	1		02/28/20 09:48		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-25-1N **Lab ID: 20144201021** Collected: 02/18/20 09:20 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**45.1**	mg/kg	0.60	1	02/28/20 09:02	03/02/20 23:02	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.4**	%	0.50	1		02/28/20 09:50		

Sample: A-25-2E **Lab ID: 20144201022** Collected: 02/19/20 09:21 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**59.0**	mg/kg	0.52	1	02/28/20 09:02	03/02/20 23:06	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.7**	%	0.50	1		02/28/20 09:51		

Sample: A-25-3W **Lab ID: 20144201023** Collected: 02/19/20 09:24 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**51.8**	mg/kg	0.50	1	02/28/20 09:02	03/02/20 23:10	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.1**	%	0.50	1		02/28/20 09:51		

Sample: A-25-4S **Lab ID: 20144201024** Collected: 02/19/20 09:27 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**49.4**	mg/kg	0.48	1	02/28/20 09:02	03/02/20 23:14	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.2**	%	0.50	1		02/28/20 09:52		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-25-5C **Lab ID: 20144201025** Collected: 02/19/20 09:25 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**75.2**	mg/kg	0.45	1	02/28/20 09:02	03/02/20 23:18	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.1**	%	0.50	1		02/28/20 09:53		

Sample: A-28-1N **Lab ID: 20144201026** Collected: 02/19/20 08:50 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**25.6**	mg/kg	0.42	1	02/28/20 09:02	03/02/20 23:22	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.7**	%	0.50	1		02/28/20 09:53		

Sample: A-28-2S **Lab ID: 20144201027** Collected: 02/19/20 08:54 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**24.4**	mg/kg	0.55	1	02/28/20 09:02	03/02/20 23:26	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**19.5**	%	0.50	1		02/28/20 09:54		

Sample: A-29-1 **Lab ID: 20144201028** Collected: 02/19/20 08:58 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**2.3**	mg/kg	0.42	1	02/28/20 09:02	03/02/20 23:30	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.5**	%	0.50	1		02/28/20 09:54		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-30-1 **Lab ID: 20144201029** Collected: 02/19/20 08:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**48.9**	mg/kg	0.52	1	02/28/20 09:02	03/02/20 23:46	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.9**	%	0.50	1		02/28/20 09:56		

Sample: A-31-1 **Lab ID: 20144201030** Collected: 02/19/20 07:50 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**43.8**	mg/kg	0.48	1	02/28/20 09:02	03/02/20 23:50	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.4**	%	0.50	1		02/28/20 09:57		

Sample: A-33-1 **Lab ID: 20144201031** Collected: 02/19/20 07:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**27.2**	mg/kg	0.38	1	02/28/20 09:02	03/02/20 23:54	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.5**	%	0.50	1		02/28/20 09:57		

Sample: A-34-1 **Lab ID: 20144201032** Collected: 02/19/20 08:20 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**13.9**	mg/kg	0.44	1	02/28/20 09:02	03/02/20 23:58	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.6**	%	0.50	1		02/28/20 09:58		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-1-1 **Lab ID: 20144201033** Collected: 02/19/20 14:50 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**102**	mg/kg	0.55	1	02/28/20 09:02	03/03/20 00:02	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.9**	%	0.50	1		02/28/20 09:59		

Sample: B-2-1E **Lab ID: 20144201034** Collected: 02/19/20 15:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**26.1**	mg/kg	0.54	1	02/28/20 09:02	03/03/20 00:06	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**22.3**	%	0.50	1		02/28/20 09:59		

Sample: B-2-2C **Lab ID: 20144201035** Collected: 02/19/20 15:40 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**51.8**	mg/kg	0.47	1	02/28/20 09:02	03/03/20 00:10	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.5**	%	0.50	1		02/28/20 10:00		

Sample: B-2-3W **Lab ID: 20144201036** Collected: 02/19/20 15:37 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**6.8**	mg/kg	0.48	1	02/28/20 09:02	03/03/20 00:14	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.1**	%	0.50	1		02/28/20 10:00		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-3-1S **Lab ID: 20144201037** Collected: 02/19/20 14:54 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**143**	mg/kg	0.51	1	03/05/20 09:33	03/05/20 15:17	7439-92-1	M1,R1
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10**	%	0.50	1		03/04/20 17:08		

Sample: B-3-2N **Lab ID: 20144201038** Collected: 02/19/20 14:57 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**67.6**	mg/kg	0.49	1	02/28/20 09:02	03/03/20 00:18	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**12.8**	%	0.50	1		02/28/20 10:01		

Sample: B-4-1N **Lab ID: 20144201039** Collected: 02/19/20 15:18 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**3.8**	mg/kg	0.58	1	02/28/20 09:02	03/03/20 00:22	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.1**	%	0.50	1		02/28/20 10:02		

Sample: B-4-2S **Lab ID: 20144201040** Collected: 02/19/20 15:12 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**44.3**	mg/kg	0.57	1	02/28/20 09:02	03/03/20 00:39	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.5**	%	0.50	1		02/28/20 10:03		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-4-3E **Lab ID: 20144201041** Collected: 02/19/20 15:16 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**6.4**	mg/kg	0.41	1	02/28/20 13:48	03/02/20 17:26	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.8**	%	0.50	1		02/28/20 11:37		

Sample: B-4-4W **Lab ID: 20144201042** Collected: 02/19/20 15:14 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**129**	mg/kg	0.46	1	02/28/20 13:48	03/02/20 17:30	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.7**	%	0.50	1		02/28/20 11:38		

Sample: B-5-1 **Lab ID: 20144201043** Collected: 02/19/20 15:51 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**8.3**	mg/kg	0.45	1	02/28/20 13:48	03/02/20 16:02	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.2**	%	0.50	1		02/28/20 11:39		

Sample: B-6-1N **Lab ID: 20144201044** Collected: 02/19/20 12:33 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**44.3**	mg/kg	0.55	1	02/28/20 13:48	03/02/20 16:06	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.9**	%	0.50	1		02/28/20 11:42		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-6-2S **Lab ID: 20144201045** Collected: 02/19/20 12:36 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**33.0**	mg/kg	0.43	1	02/28/20 13:48	03/02/20 16:10	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.6**	%	0.50	1		02/28/20 10:52		

Sample: B-8-1N **Lab ID: 20144201046** Collected: 02/19/20 16:05 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**288**	mg/kg	0.56	1	02/28/20 13:48	03/02/20 16:14	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.7**	%	0.50	1		02/28/20 10:53		

Sample: B-8-2S **Lab ID: 20144201047** Collected: 02/19/20 16:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**116**	mg/kg	0.55	1	02/28/20 13:48	03/02/20 16:18	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.9**	%	0.50	1		02/28/20 11:45		

Sample: B-9-1 **Lab ID: 20144201048** Collected: 02/19/20 12:18 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**23.4**	mg/kg	0.38	1	02/28/20 13:48	03/02/20 16:22	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.7**	%	0.50	1		02/28/20 11:45		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-10-1 **Lab ID: 20144201049** Collected: 02/19/20 14:33 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**25.2**	mg/kg	0.42	1	02/28/20 13:48	03/02/20 16:26	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**7.7**	%	0.50	1		02/28/20 11:46		

Sample: B-11-1N **Lab ID: 20144201050** Collected: 02/19/20 16:23 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**138**	mg/kg	0.41	1	02/28/20 13:48	03/02/20 16:38	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.9**	%	0.50	1		02/28/20 11:47		

Sample: B-11-2C **Lab ID: 20144201051** Collected: 02/19/20 16:32 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**1.2**	mg/kg	0.32	1	02/28/20 13:48	03/02/20 16:42	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.1**	%	0.50	1		02/28/20 11:48		

Sample: B-11-3S **Lab ID: 20144201052** Collected: 02/19/20 16:37 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**14.5**	mg/kg	0.40	1	02/28/20 13:48	03/02/20 16:46	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.4**	%	0.50	1		02/28/20 11:49		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-12-1 **Lab ID: 20144201053** Collected: 02/19/20 12:05 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**163**	mg/kg	0.59	1	02/28/20 13:48	03/02/20 16:50	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.8**	%	0.50	1		02/28/20 11:50		

Sample: B-13-1 **Lab ID: 20144201054** Collected: 02/19/20 10:40 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**0.30**	mg/kg	0.0048	1	02/28/20 13:48	03/02/20 16:54	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**18.2**	%	0.50	1		02/28/20 11:50		

Sample: B-14-1 **Lab ID: 20144201055** Collected: 02/19/20 14:08 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**50.9**	mg/kg	0.31	1	02/28/20 13:48	03/02/20 16:58	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.4**	%	0.50	1		02/28/20 11:50		

Sample: B-15-1 **Lab ID: 20144201056** Collected: 02/19/20 14:17 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**44.7**	mg/kg	0.53	1	02/28/20 13:48	03/02/20 17:02	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.6**	%	0.50	1		02/28/20 11:51		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-16-1 **Lab ID: 20144201057** Collected: 02/19/20 14:13 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**38.2**	mg/kg	0.41	1	02/28/20 13:48	03/02/20 17:06	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**12.3**	%	0.50	1		02/28/20 11:52		

Sample: B-17-1 **Lab ID: 20144201058** Collected: 02/19/20 10:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**86.6**	mg/kg	0.44	1	02/28/20 13:48	03/02/20 17:10	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.3**	%	0.50	1		02/28/20 11:53		

Sample: B-18-1 **Lab ID: 20144201059** Collected: 02/19/20 13:50 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**74.3**	mg/kg	0.43	1	02/28/20 12:19	03/03/20 18:27	7439-92-1	M1
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**12.0**	%	0.50	1		02/28/20 15:27		

Sample: B-19-1 **Lab ID: 20144201060** Collected: 02/20/20 07:48 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**125**	mg/kg	0.44	1	02/28/20 12:19	03/03/20 18:43	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**21.6**	%	0.50	1		02/28/20 15:27		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-20-1 **Lab ID: 20144201061** Collected: 02/19/20 10:15 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**41.0**	mg/kg	0.43	1	02/28/20 12:19	03/03/20 19:15	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**19.5**	%	0.50	1		02/28/20 15:28		

Sample: B-21-1 **Lab ID: 20144201062** Collected: 02/20/20 07:50 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**11.8**	mg/kg	0.34	1	02/28/20 12:19	03/03/20 19:20	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**20.9**	%	0.50	1		02/28/20 11:54		

Sample: B-22-1 **Lab ID: 20144201063** Collected: 02/19/20 10:18 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**13.5**	mg/kg	0.56	1	02/28/20 12:19	03/03/20 19:24	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**12.9**	%	0.50	1		02/28/20 11:55		

Sample: B-23-1 **Lab ID: 20144201064** Collected: 02/19/20 13:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**191**	mg/kg	0.47	1	02/28/20 12:19	03/03/20 19:28	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.8**	%	0.50	1		02/28/20 15:52		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-24-1 **Lab ID: 20144201065** Collected: 02/19/20 10:21 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**42.9**	mg/kg	0.41	1	02/28/20 12:19	03/03/20 19:31	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.1**	%	0.50	1		02/28/20 15:24		

Sample: B-25-1 **Lab ID: 20144201066** Collected: 02/19/20 13:30 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**41.5**	mg/kg	0.40	1	02/28/20 12:19	03/03/20 19:35	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.6**	%	0.50	1		02/28/20 15:25		

Sample: B-26-1N **Lab ID: 20144201067** Collected: 02/19/20 13:18 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**44.9**	mg/kg	0.54	1	02/28/20 12:19	03/03/20 19:39	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.9**	%	0.50	1		02/28/20 15:26		

Sample: B-26-2S **Lab ID: 20144201068** Collected: 02/19/20 13:20 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**35.8**	mg/kg	5.2	10	02/28/20 12:19	03/03/20 19:43	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.6**	%	0.50	1		02/28/20 15:27		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-27-1 **Lab ID: 20144201069** Collected: 02/20/20 08:29 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**7.5**	mg/kg	0.48	1	02/28/20 12:19	03/03/20 19:47	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.6**	%	0.50	1		02/28/20 15:32		

Sample: B-28-1 **Lab ID: 20144201070** Collected: 02/19/20 13:45 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**13.8**	mg/kg	0.38	1	02/28/20 12:19	03/03/20 19:51	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.2**	%	0.50	1		02/28/20 15:35		

Sample: B-29-1 **Lab ID: 20144201071** Collected: 02/20/20 08:01 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**62.6**	mg/kg	0.45	1	02/28/20 12:19	03/03/20 20:08	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.9**	%	0.50	1		02/28/20 15:34		

Sample: C-1-1N **Lab ID: 20144201072** Collected: 02/20/20 16:07 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**10.4**	mg/kg	0.39	1	02/28/20 12:19	03/03/20 20:12	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.2**	%	0.50	1		02/28/20 15:36		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: C-1-2S **Lab ID: 20144201073** Collected: 02/20/20 16:11 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**4.6**	mg/kg	0.49	1	02/28/20 12:19	03/03/20 20:16	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.1**	%	0.50	1		02/28/20 15:37		

Sample: C-2-1 **Lab ID: 20144201074** Collected: 02/20/20 16:20 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**3.3**	mg/kg	0.50	1	02/28/20 12:19	03/03/20 20:20	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.9**	%	0.50	1		02/28/20 15:37		

Sample: C-3-1E **Lab ID: 20144201075** Collected: 02/20/20 16:28 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**22.3**	mg/kg	0.47	1	02/28/20 12:19	03/03/20 20:24	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.6**	%	0.50	1		02/28/20 15:38		

Sample: C-3-2W **Lab ID: 20144201076** Collected: 02/20/20 16:32 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**0.84**	mg/kg	0.44	1	02/28/20 12:19	03/03/20 20:28	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.3**	%	0.50	1		02/28/20 15:40		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: C-4-1 **Lab ID: 20144201077** Collected: 02/20/20 14:38 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**6.1**	mg/kg	0.35	1	02/28/20 12:19	03/03/20 20:32	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.6**	%	0.50	1		02/28/20 15:41		

Sample: C-5-1 **Lab ID: 20144201078** Collected: 02/20/20 14:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**10.2**	mg/kg	0.47	1	02/28/20 12:19	03/03/20 20:36	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**12.6**	%	0.50	1		02/28/20 15:42		

Sample: C-6-1 **Lab ID: 20144201079** Collected: 02/20/20 10:42 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**6.7**	mg/kg	0.32	1	02/28/20 12:19	03/03/20 20:40	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.4**	%	0.50	1		02/28/20 15:43		

Sample: C-7-1N **Lab ID: 20144201080** Collected: 02/20/20 10:25 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**2.9**	mg/kg	0.50	1	02/28/20 12:19	03/03/20 21:08	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.2**	%	0.50	1		02/28/20 15:54		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: C-7-2S **Lab ID: 20144201081** Collected: 02/20/20 10:14 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**3.0**	mg/kg	0.35	1	02/28/20 12:19	03/03/20 21:12	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.2**	%	0.50	1		02/29/20 14:07		

Sample: C-8-1 **Lab ID: 20144201082** Collected: 02/20/20 09:47 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**3.6**	mg/kg	0.54	1	02/28/20 12:19	03/03/20 21:16	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.1**	%	0.50	1		02/29/20 14:08		

Sample: C-9-1 **Lab ID: 20144201083** Collected: 02/20/20 16:45 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**16.1**	mg/kg	0.46	1	02/28/20 12:19	03/03/20 21:20	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.7**	%	0.50	1		02/29/20 14:09		

Sample: C-10-1 **Lab ID: 20144201084** Collected: 02/20/20 13:55 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**7.0**	mg/kg	0.46	1	02/28/20 12:19	03/03/20 21:24	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.2**	%	0.50	1		02/29/20 14:10		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: C-12-1 **Lab ID: 20144201085** Collected: 02/20/20 15:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**1.5**	mg/kg	0.44	1	02/28/20 12:19	03/03/20 21:28	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.4**	%	0.50	1		02/29/20 14:11		

Sample: C-13-1 **Lab ID: 20144201086** Collected: 02/20/20 15:05 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**4.8**	mg/kg	0.35	1	02/28/20 12:19	03/03/20 21:32	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.7**	%	0.50	1		02/29/20 14:12		

Sample: C-14-1 **Lab ID: 20144201087** Collected: 02/20/20 10:07 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**1.2**	mg/kg	0.53	1	02/28/20 12:19	03/03/20 21:36	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.2**	%	0.50	1		02/29/20 14:13		

Sample: C-15-1 **Lab ID: 20144201088** Collected: 02/20/20 09:57 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**2.4**	mg/kg	0.31	1	02/28/20 12:19	03/03/20 21:53	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.0**	%	0.50	1		02/29/20 14:14		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: C-16-1 **Lab ID: 20144201089** Collected: 02/20/20 13:45 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**29.4**	mg/kg	0.54	1	02/28/20 12:19	03/03/20 21:57	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.7**	%	0.50	1		02/29/20 14:15		

Sample: C-20-1 **Lab ID: 20144201090** Collected: 02/20/20 13:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**66.6**	mg/kg	0.84	2	02/28/20 12:19	03/03/20 22:01	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.7**	%	0.50	1		02/29/20 14:16		

Sample: C-24-1 **Lab ID: 20144201091** Collected: 02/20/20 13:17 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**33.9**	mg/kg	0.71	2	02/28/20 12:19	03/03/20 22:05	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.7**	%	0.50	1		02/29/20 14:16		

Sample: D-1-1 **Lab ID: 20144201092** Collected: 02/20/20 10:53 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**6.2**	mg/kg	0.43	1	02/28/20 12:19	03/03/20 22:09	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.1**	%	0.50	1		02/29/20 14:17		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: D-2-1 **Lab ID: 20144201093** Collected: 02/20/20 11:04 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**5.0**	mg/kg	0.53	1	02/28/20 12:19	03/03/20 22:13	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.8**	%	0.50	1		02/29/20 14:19		

Sample: D-3-1N **Lab ID: 20144201094** Collected: 02/21/20 07:30 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**4.5**	mg/kg	0.29	1	02/28/20 12:19	03/03/20 22:17	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.7**	%	0.50	1		02/29/20 14:22		

Sample: D-3-2C **Lab ID: 20144201095** Collected: 02/21/20 07:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**12.9**	mg/kg	0.55	1	02/28/20 12:19	03/03/20 22:21	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.3**	%	0.50	1		02/29/20 14:23		

Sample: D-3-3S **Lab ID: 20144201096** Collected: 02/21/20 07:38 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**2.1**	mg/kg	0.37	1	02/28/20 12:19	03/03/20 22:25	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**5.6**	%	0.50	1		02/29/20 14:24		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: D-4-1 **Lab ID: 20144201097** Collected: 02/21/20 07:57 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**4.6**	mg/kg	0.47	1	02/28/20 12:19	03/03/20 22:29	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.9**	%	0.50	1		02/29/20 14:25		

Sample: D-5-1 **Lab ID: 20144201098** Collected: 02/21/20 07:20 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**180**	mg/kg	0.47	1	02/28/20 12:19	03/03/20 22:45	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**4.7**	%	0.50	1		02/29/20 14:26		

Sample: D-6-1 **Lab ID: 20144201099** Collected: 02/21/20 09:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**31.3**	mg/kg	3.5	10	02/28/20 13:48	03/02/20 19:30	7439-92-1	M6,R1
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.4**	%	0.50	1		02/29/20 14:27		

Sample: D-11-1 **Lab ID: 20144201100** Collected: 02/21/20 08:38 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**1.5**	mg/kg	0.40	1	02/28/20 13:48	03/02/20 19:47	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.5**	%	0.50	1		02/29/20 14:30		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: D-12-1N **Lab ID: 20144201101** Collected: 02/21/20 08:08 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**11.4**	mg/kg	0.35	1	02/28/20 13:48	03/02/20 20:03	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**5.6**	%	0.50	1		02/29/20 14:31		

Sample: D-12-2S **Lab ID: 20144201102** Collected: 02/21/20 08:11 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**2.8**	mg/kg	0.29	1	02/28/20 13:48	03/02/20 20:07	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**1.8**	%	0.50	1		02/29/20 14:32		

Sample: D-13-1W **Lab ID: 20144201103** Collected: 02/21/20 09:18 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**3.6**	mg/kg	0.47	1	02/28/20 13:48	03/02/20 20:11	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.3**	%	0.50	1		02/29/20 14:32		

Sample: D-13-2E **Lab ID: 20144201104** Collected: 02/21/20 09:22 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**14.4**	mg/kg	0.39	1	02/28/20 13:48	03/02/20 20:15	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.6**	%	0.50	1		02/29/20 14:33		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: DUP **Lab ID: 20144201105** Collected: 02/18/20 00:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**88.0**	mg/kg	0.40	1	02/28/20 13:48	03/02/20 20:19	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**18.1**	%	0.50	1		02/29/20 14:34		

Sample: DUP2 **Lab ID: 20144201106** Collected: 02/20/20 00:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**3.2**	mg/kg	0.29	1	02/28/20 13:48	03/02/20 20:23	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.2**	%	0.50	1		02/29/20 14:34		

Sample: DUP3 **Lab ID: 20144201107** Collected: 02/20/20 00:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**16.0**	mg/kg	0.44	1	02/28/20 13:48	03/02/20 20:27	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.4**	%	0.50	1		02/29/20 14:35		

Sample: DUP4 **Lab ID: 20144201108** Collected: 02/19/20 00:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**26.2**	mg/kg	0.43	1	02/28/20 13:48	03/02/20 20:31	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.2**	%	0.50	1		02/29/20 14:36		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: DUP5 **Lab ID: 20144201109** Collected: 02/19/20 00:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**34.8**	mg/kg	0.48	1	02/28/20 13:48	03/02/20 20:35	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.0**	%	0.50	1		02/29/20 14:37		

Sample: DUP6 **Lab ID: 20144201110** Collected: 02/20/20 00:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**20.9**	mg/kg	0.51	1	02/28/20 13:48	03/02/20 20:39	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.1**	%	0.50	1		02/29/20 14:38		

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176839 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 20144201001, 20144201002, 20144201003, 20144201004, 20144201005, 20144201006, 20144201007, 20144201008, 20144201009, 20144201010, 20144201011, 20144201012, 20144201013, 20144201014, 20144201015, 20144201016, 20144201017, 20144201018, 20144201019

METHOD BLANK: 806460 | Matrix: Solid
Associated Lab Samples: 20144201001, 20144201002, 20144201003, 20144201004, 20144201005, 20144201006, 20144201007, 20144201008, 20144201009, 20144201010, 20144201011, 20144201012, 20144201013, 20144201014, 20144201015, 20144201016, 20144201017, 20144201018, 20144201019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/02/20 13:31	

LABORATORY CONTROL SAMPLE: 806461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	103	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 806462 806463

Parameter	Units	75126186001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	41.4	123	115	169	130	104	77	80-120	26	20	M6,R1

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176853 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 20144201020, 20144201021, 20144201022, 20144201023, 20144201024, 20144201025, 20144201026, 20144201027, 20144201028, 20144201029, 20144201030, 20144201031, 20144201032, 20144201033, 20144201034, 20144201035, 20144201036, 20144201038, 20144201039, 20144201040

METHOD BLANK: 806568 | Matrix: Solid
Associated Lab Samples: 20144201020, 20144201021, 20144201022, 20144201023, 20144201024, 20144201025, 20144201026, 20144201027, 20144201028, 20144201029, 20144201030, 20144201031, 20144201032, 20144201033, 20144201034, 20144201035, 20144201036, 20144201038, 20144201039, 20144201040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/02/20 22:01	

LABORATORY CONTROL SAMPLE: 806569

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	104	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 806570 806571

Parameter	Units	20144201020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	45.2	1.2	118	1.5	157	-3710	95	80-120	196	20	M1,R1

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176953 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 20144201041, 20144201042, 20144201043, 20144201044, 20144201045, 20144201046, 20144201047, 20144201048, 20144201049, 20144201050, 20144201051, 20144201052, 20144201053, 20144201054, 20144201055, 20144201056, 20144201057, 20144201058

METHOD BLANK: 807028 | Matrix: Solid
Associated Lab Samples: 20144201041, 20144201042, 20144201043, 20144201044, 20144201045, 20144201046, 20144201047, 20144201048, 20144201049, 20144201050, 20144201051, 20144201052, 20144201053, 20144201054, 20144201055, 20144201056, 20144201057, 20144201058

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/02/20 13:23	

LABORATORY CONTROL SAMPLE: 807029

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	99.8	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 807030 807031

Parameter	Units	20144100001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	2.0	86.2	87.7	87.9	90.4	100	101	80-120	3	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176954 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 20144201059, 20144201060, 20144201061, 20144201062, 20144201063, 20144201064, 20144201065, 20144201066, 20144201067, 20144201068, 20144201069, 20144201070, 20144201071, 20144201072, 20144201073, 20144201074, 20144201075, 20144201076, 20144201077, 20144201078

METHOD BLANK: 807032 | Matrix: Solid
Associated Lab Samples: 20144201059, 20144201060, 20144201061, 20144201062, 20144201063, 20144201064, 20144201065, 20144201066, 20144201067, 20144201068, 20144201069, 20144201070, 20144201071, 20144201072, 20144201073, 20144201074, 20144201075, 20144201076, 20144201077, 20144201078

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/03/20 11:52	

LABORATORY CONTROL SAMPLE: 807033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	95.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 807034 807035

Parameter	Units	20144201059 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	74.3	88.7	96.2	124	144	56	72	80-120	15	20	M1

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176955 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 20144201079, 20144201080, 20144201081, 20144201082, 20144201083, 20144201084, 20144201085, 20144201086, 20144201087, 20144201088, 20144201089, 20144201090, 20144201091, 20144201092, 20144201093, 20144201094, 20144201095, 20144201096, 20144201097, 20144201098

METHOD BLANK: 807036 | Matrix: Solid
Associated Lab Samples: 20144201079, 20144201080, 20144201081, 20144201082, 20144201083, 20144201084, 20144201085, 20144201086, 20144201087, 20144201088, 20144201089, 20144201090, 20144201091, 20144201092, 20144201093, 20144201094, 20144201095, 20144201096, 20144201097, 20144201098

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/03/20 12:00	

LABORATORY CONTROL SAMPLE: 807037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	97.7	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 807038 807039

Parameter	Units	20144201079 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	6.7	62.9	64.2	58.2	62.1	82	86	80-120	6	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176957 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 20144201099, 20144201100, 20144201101, 20144201102, 20144201103, 20144201104, 20144201105, 20144201106, 20144201107, 20144201108, 20144201109, 20144201110

METHOD BLANK: 807046 | Matrix: Solid
Associated Lab Samples: 20144201099, 20144201100, 20144201101, 20144201102, 20144201103, 20144201104, 20144201105, 20144201106, 20144201107, 20144201108, 20144201109, 20144201110

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/02/20 14:10	

LABORATORY CONTROL SAMPLE: 807047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	102	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 807048 807049

Parameter	Units	20144201099 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	31.3	77.5	60.7	107	135	97	170	80-120	23	20	M6,R1

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 177616
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 20144201037

METHOD BLANK: 810829
Matrix: Solid
Associated Lab Samples: 20144201037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/05/20 15:09	

LABORATORY CONTROL SAMPLE: 810830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	104	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 810831 810832

Parameter	Units	20144201037 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	143	85.4	74.1	107	79.8	-42	-85	80-120	29	20	M1,R1

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176913 | Analysis Method: Moisture
QC Batch Method: Moisture | Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 20144201001, 20144201002, 20144201003, 20144201004, 20144201005, 20144201006, 20144201007, 20144201008, 20144201009, 20144201010, 20144201011, 20144201012, 20144201013, 20144201014, 20144201015, 20144201016, 20144201017, 20144201018, 20144201019

SAMPLE DUPLICATE: 806905

Parameter	Units	20144201001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.8	11.0	2	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176914 | Analysis Method: Moisture
QC Batch Method: Moisture | Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 20144201020, 20144201021, 20144201022, 20144201023, 20144201024, 20144201025, 20144201026, 20144201027, 20144201028, 20144201029, 20144201030, 20144201031, 20144201032, 20144201033, 20144201034, 20144201035, 20144201036, 20144201038, 20144201039, 20144201040

SAMPLE DUPLICATE: 806908

Parameter	Units	20144201020 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.3	19.2	5	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176964 | Analysis Method: Moisture
QC Batch Method: Moisture | Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 20144201041, 20144201042, 20144201043, 20144201044, 20144201045, 20144201046, 20144201047, 20144201048, 20144201049, 20144201050, 20144201051, 20144201052, 20144201053, 20144201054, 20144201055, 20144201056, 20144201057, 20144201058, 20144201062, 20144201063

SAMPLE DUPLICATE: 807081

Parameter	Units	20144201041 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.8	6.5	6	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176988 | Analysis Method: Moisture
QC Batch Method: Moisture | Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 20144201059, 20144201060, 20144201061, 20144201064, 20144201065, 20144201066, 20144201067, 20144201068, 20144201069, 20144201070, 20144201071, 20144201072, 20144201073, 20144201074, 20144201075, 20144201076, 20144201077, 20144201078, 20144201079, 20144201080

SAMPLE DUPLICATE: 807222

Parameter	Units	20144201059 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.0	13.8	14	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 177037 | Analysis Method: Moisture
QC Batch Method: Moisture | Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 20144201081, 20144201082, 20144201083, 20144201084, 20144201085, 20144201086, 20144201087, 20144201088, 20144201089, 20144201090, 20144201091, 20144201092, 20144201093, 20144201094, 20144201095, 20144201096, 20144201097, 20144201098, 20144201099

SAMPLE DUPLICATE: 807565

Parameter	Units	20144201081 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.2	12.6	19	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 177039 | Analysis Method: Moisture
QC Batch Method: Moisture | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 20144201100, 20144201101, 20144201102, 20144201103, 20144201104, 20144201105, 20144201106, 20144201107, 20144201108, 20144201109, 20144201110

SAMPLE DUPLICATE: 807570

Parameter	Units	20144201100 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.5	7.7	17	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 177572
QC Batch Method: Moisture
Analysis Method: Moisture
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 20144201037

SAMPLE DUPLICATE: 810560

Parameter	Units	20144201037 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10	10.4	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Former Fairfax Mill
Pace Project No.: 20144201

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

LABORATORIES

PASI-N	Pace Analytical Services - New Orleans

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20144201001	A-3-1	EPA 3050	176839	EPA 6010	177010
20144201002	A-4-1	EPA 3050	176839	EPA 6010	177010
20144201003	A-5-1	EPA 3050	176839	EPA 6010	177010
20144201004	A-7-1N	EPA 3050	176839	EPA 6010	177010
20144201005	A-7-2S	EPA 3050	176839	EPA 6010	177010
20144201006	A-8-1	EPA 3050	176839	EPA 6010	177010
20144201007	A-9-1	EPA 3050	176839	EPA 6010	177010
20144201008	A-10-1	EPA 3050	176839	EPA 6010	177010
20144201009	A-12-1	EPA 3050	176839	EPA 6010	177010
20144201010	A-13-1	EPA 3050	176839	EPA 6010	177010
20144201011	A-14-1	EPA 3050	176839	EPA 6010	177010
20144201012	A-15-1S	EPA 3050	176839	EPA 6010	177010
20144201013	A-15-2N	EPA 3050	176839	EPA 6010	177010
20144201014	A-16-1	EPA 3050	176839	EPA 6010	177010
20144201015	A-17-1	EPA 3050	176839	EPA 6010	177010
20144201016	A-18-1	EPA 3050	176839	EPA 6010	177010
20144201017	A-19-1	EPA 3050	176839	EPA 6010	177010
20144201018	A-22-1W	EPA 3050	176839	EPA 6010	177010
20144201019	A-22-2E	EPA 3050	176839	EPA 6010	177010
20144201020	A-23-1	EPA 3050	176853	EPA 6010	177011
20144201021	A-25-1N	EPA 3050	176853	EPA 6010	177011
20144201022	A-25-2E	EPA 3050	176853	EPA 6010	177011
20144201023	A-25-3W	EPA 3050	176853	EPA 6010	177011
20144201024	A-25-4S	EPA 3050	176853	EPA 6010	177011
20144201025	A-25-5C	EPA 3050	176853	EPA 6010	177011
20144201026	A-28-1N	EPA 3050	176853	EPA 6010	177011
20144201027	A-28-2S	EPA 3050	176853	EPA 6010	177011
20144201028	A-29-1	EPA 3050	176853	EPA 6010	177011
20144201029	A-30-1	EPA 3050	176853	EPA 6010	177011
20144201030	A-31-1	EPA 3050	176853	EPA 6010	177011
20144201031	A-33-1	EPA 3050	176853	EPA 6010	177011
20144201032	A-34-1	EPA 3050	176853	EPA 6010	177011
20144201033	B-1-1	EPA 3050	176853	EPA 6010	177011
20144201034	B-2-1E	EPA 3050	176853	EPA 6010	177011
20144201035	B-2-2C	EPA 3050	176853	EPA 6010	177011
20144201036	B-2-3W	EPA 3050	176853	EPA 6010	177011
20144201037	B-3-1S	EPA 3050	177616	EPA 6010	177716
20144201038	B-3-2N	EPA 3050	176853	EPA 6010	177011
20144201039	B-4-1N	EPA 3050	176853	EPA 6010	177011
20144201040	B-4-2S	EPA 3050	176853	EPA 6010	177011
20144201041	B-4-3E	EPA 3050	176953	EPA 6010	177030
20144201042	B-4-4W	EPA 3050	176953	EPA 6010	177030
20144201043	B-5-1	EPA 3050	176953	EPA 6010	177030
20144201044	B-6-1N	EPA 3050	176953	EPA 6010	177030
20144201045	B-6-2S	EPA 3050	176953	EPA 6010	177030
20144201046	B-8-1N	EPA 3050	176953	EPA 6010	177030
20144201047	B-8-2S	EPA 3050	176953	EPA 6010	177030

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20144201048	**B-9-1**	EPA 3050	176953	EPA 6010	177030
20144201049	**B-10-1**	EPA 3050	176953	EPA 6010	177030
20144201050	**B-11-1N**	EPA 3050	176953	EPA 6010	177030
20144201051	**B-11-2C**	EPA 3050	176953	EPA 6010	177030
20144201052	**B-11-3S**	EPA 3050	176953	EPA 6010	177030
20144201053	**B-12-1**	EPA 3050	176953	EPA 6010	177030
20144201054	**B-13-1**	EPA 3050	176953	EPA 6010	177030
20144201055	**B-14-1**	EPA 3050	176953	EPA 6010	177030
20144201056	**B-15-1**	EPA 3050	176953	EPA 6010	177030
20144201057	**B-16-1**	EPA 3050	176953	EPA 6010	177030
20144201058	**B-17-1**	EPA 3050	176953	EPA 6010	177030
20144201059	**B-18-1**	EPA 3050	176954	EPA 6010	177027
20144201060	**B-19-1**	EPA 3050	176954	EPA 6010	177027
20144201061	**B-20-1**	EPA 3050	176954	EPA 6010	177027
20144201062	**B-21-1**	EPA 3050	176954	EPA 6010	177027
20144201063	**B-22-1**	EPA 3050	176954	EPA 6010	177027
20144201064	**B-23-1**	EPA 3050	176954	EPA 6010	177027
20144201065	**B-24-1**	EPA 3050	176954	EPA 6010	177027
20144201066	**B-25-1**	EPA 3050	176954	EPA 6010	177027
20144201067	**B-26-1N**	EPA 3050	176954	EPA 6010	177027
20144201068	**B-26-2S**	EPA 3050	176954	EPA 6010	177027
20144201069	**B-27-1**	EPA 3050	176954	EPA 6010	177027
20144201070	**B-28-1**	EPA 3050	176954	EPA 6010	177027
20144201071	**B-29-1**	EPA 3050	176954	EPA 6010	177027
20144201072	**C-1-1N**	EPA 3050	176954	EPA 6010	177027
20144201073	**C-1-2S**	EPA 3050	176954	EPA 6010	177027
20144201074	**C-2-1**	EPA 3050	176954	EPA 6010	177027
20144201075	**C-3-1E**	EPA 3050	176954	EPA 6010	177027
20144201076	**C-3-2W**	EPA 3050	176954	EPA 6010	177027
20144201077	**C-4-1**	EPA 3050	176954	EPA 6010	177027
20144201078	**C-5-1**	EPA 3050	176954	EPA 6010	177027
20144201079	**C-6-1**	EPA 3050	176955	EPA 6010	177028
20144201080	**C-7-1N**	EPA 3050	176955	EPA 6010	177028
20144201081	**C-7-2S**	EPA 3050	176955	EPA 6010	177028
20144201082	**C-8-1**	EPA 3050	176955	EPA 6010	177028
20144201083	**C-9-1**	EPA 3050	176955	EPA 6010	177028
20144201084	**C-10-1**	EPA 3050	176955	EPA 6010	177028
20144201085	**C-12-1**	EPA 3050	176955	EPA 6010	177028
20144201086	**C-13-1**	EPA 3050	176955	EPA 6010	177028
20144201087	**C-14-1**	EPA 3050	176955	EPA 6010	177028
20144201088	**C-15-1**	EPA 3050	176955	EPA 6010	177028
20144201089	**C-16-1**	EPA 3050	176955	EPA 6010	177028
20144201090	**C-20-1**	EPA 3050	176955	EPA 6010	177028
20144201091	**C-24-1**	EPA 3050	176955	EPA 6010	177028
20144201092	**D-1-1**	EPA 3050	176955	EPA 6010	177028
20144201093	**D-2-1**	EPA 3050	176955	EPA 6010	177028
20144201094	**D-3-1N**	EPA 3050	176955	EPA 6010	177028
20144201095	**D-3-2C**	EPA 3050	176955	EPA 6010	177028

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20144201096	**D-3-3S**	EPA 3050	176955	EPA 6010	177028
20144201097	**D-4-1**	EPA 3050	176955	EPA 6010	177028
20144201098	**D-5-1**	EPA 3050	176955	EPA 6010	177028
20144201099	**D-6-1**	EPA 3050	176957	EPA 6010	177031
20144201100	**D-11-1**	EPA 3050	176957	EPA 6010	177031
20144201101	**D-12-1N**	EPA 3050	176957	EPA 6010	177031
20144201102	**D-12-2S**	EPA 3050	176957	EPA 6010	177031
20144201103	**D-13-1W**	EPA 3050	176957	EPA 6010	177031
20144201104	**D-13-2E**	EPA 3050	176957	EPA 6010	177031
20144201105	**DUP**	EPA 3050	176957	EPA 6010	177031
20144201106	**DUP2**	EPA 3050	176957	EPA 6010	177031
20144201107	**DUP3**	EPA 3050	176957	EPA 6010	177031
20144201108	**DUP4**	EPA 3050	176957	EPA 6010	177031
20144201109	**DUP5**	EPA 3050	176957	EPA 6010	177031
20144201110	**DUP6**	EPA 3050	176957	EPA 6010	177031
20144201001	**A-3-1**	Moisture	176913		
20144201002	**A-4-1**	Moisture	176913		
20144201003	**A-5-1**	Moisture	176913		
20144201004	**A-7-1N**	Moisture	176913		
20144201005	**A-7-2S**	Moisture	176913		
20144201006	**A-8-1**	Moisture	176913		
20144201007	**A-9-1**	Moisture	176913		
20144201008	**A-10-1**	Moisture	176913		
20144201009	**A-12-1**	Moisture	176913		
20144201010	**A-13-1**	Moisture	176913		
20144201011	**A-14-1**	Moisture	176913		
20144201012	**A-15-1S**	Moisture	176913		
20144201013	**A-15-2N**	Moisture	176913		
20144201014	**A-16-1**	Moisture	176913		
20144201015	**A-17-1**	Moisture	176913		
20144201016	**A-18-1**	Moisture	176913		
20144201017	**A-19-1**	Moisture	176913		
20144201018	**A-22-1W**	Moisture	176913		
20144201019	**A-22-2E**	Moisture	176913		
20144201020	**A-23-1**	Moisture	176914		
20144201021	**A-25-1N**	Moisture	176914		
20144201022	**A-25-2E**	Moisture	176914		
20144201023	**A-25-3W**	Moisture	176914		
20144201024	**A-25-4S**	Moisture	176914		
20144201025	**A-25-5C**	Moisture	176914		
20144201026	**A-28-1N**	Moisture	176914		
20144201027	**A-28-2S**	Moisture	176914		
20144201028	**A-29-1**	Moisture	176914		
20144201029	**A-30-1**	Moisture	176914		
20144201030	**A-31-1**	Moisture	176914		
20144201031	**A-33-1**	Moisture	176914		
20144201032	**A-34-1**	Moisture	176914		

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Pace Project No.: 20144201

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20144201033	B-1-1	Moisture	176914		
20144201034	B-2-1E	Moisture	176914		
20144201035	B-2-2C	Moisture	176914		
20144201036	B-2-3W	Moisture	176914		
20144201037	B-3-1S	Moisture	177572		
20144201038	B-3-2N	Moisture	176914		
20144201039	B-4-1N	Moisture	176914		
20144201040	B-4-2S	Moisture	176914		
20144201041	B-4-3E	Moisture	176964		
20144201042	B-4-4W	Moisture	176964		
20144201043	B-5-1	Moisture	176964		
20144201044	B-6-1N	Moisture	176964		
20144201045	B-6-2S	Moisture	176964		
20144201046	B-8-1N	Moisture	176964		
20144201047	B-8-2S	Moisture	176964		
20144201048	B-9-1	Moisture	176964		
20144201049	B-10-1	Moisture	176964		
20144201050	B-11-1N	Moisture	176964		
20144201051	B-11-2C	Moisture	176964		
20144201052	B-11-3S	Moisture	176964		
20144201053	B-12-1	Moisture	176964		
20144201054	B-13-1	Moisture	176964		
20144201055	B-14-1	Moisture	176964		
20144201056	B-15-1	Moisture	176964		
20144201057	B-16-1	Moisture	176964		
20144201058	B-17-1	Moisture	176964		
20144201059	B-18-1	Moisture	176988		
20144201060	B-19-1	Moisture	176988		
20144201061	B-20-1	Moisture	176988		
20144201062	B-21-1	Moisture	176964		
20144201063	B-22-1	Moisture	176964		
20144201064	B-23-1	Moisture	176988		
20144201065	B-24-1	Moisture	176988		
20144201066	B-25-1	Moisture	176988		
20144201067	B-26-1N	Moisture	176988		
20144201068	B-26-2S	Moisture	176988		
20144201069	B-27-1	Moisture	176988		
20144201070	B-28-1	Moisture	176988		
20144201071	B-29-1	Moisture	176988		
20144201072	C-1-1N	Moisture	176988		
20144201073	C-1-2S	Moisture	176988		
20144201074	C-2-1	Moisture	176988		
20144201075	C-3-1E	Moisture	176988		
20144201076	C-3-2W	Moisture	176988		
20144201077	C-4-1	Moisture	176988		
20144201078	C-5-1	Moisture	176988		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20144201079	**C-6-1**	Moisture	176988		
20144201080	**C-7-1N**	Moisture	176988		
20144201081	**C-7-2S**	Moisture	177037		
20144201082	**C-8-1**	Moisture	177037		
20144201083	**C-9-1**	Moisture	177037		
20144201084	**C-10-1**	Moisture	177037		
20144201085	**C-12-1**	Moisture	177037		
20144201086	**C-13-1**	Moisture	177037		
20144201087	**C-14-1**	Moisture	177037		
20144201088	**C-15-1**	Moisture	177037		
20144201089	**C-16-1**	Moisture	177037		
20144201090	**C-20-1**	Moisture	177037		
20144201091	**C-24-1**	Moisture	177037		
20144201092	**D-1-1**	Moisture	177037		
20144201093	**D-2-1**	Moisture	177037		
20144201094	**D-3-1N**	Moisture	177037		
20144201095	**D-3-2C**	Moisture	177037		
20144201096	**D-3-3S**	Moisture	177037		
20144201097	**D-4-1**	Moisture	177037		
20144201098	**D-5-1**	Moisture	177037		
20144201099	**D-6-1**	Moisture	177037		
20144201100	**D-11-1**	Moisture	177039		
20144201101	**D-12-1N**	Moisture	177039		
20144201102	**D-12-2S**	Moisture	177039		
20144201103	**D-13-1W**	Moisture	177039		
20144201104	**D-13-2E**	Moisture	177039		
20144201105	**DUP**	Moisture	177039		
20144201106	**DUP2**	Moisture	177039		
20144201107	**DUP3**	Moisture	177039		
20144201108	**DUP4**	Moisture	177039		
20144201109	**DUP5**	Moisture	177039		
20144201110	**DUP6**	Moisture	177039		

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WO# : 20144201

20144201

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Re

The Chain-of-Custody is a LEGAL DOCUMENT. All relevan

Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone: 205-836-5650	Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	State / Location
	AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test	Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	A-3-1	SL	G			2/18/20	9:05		1	X									X	X		Hold TCLP Pb
2	A-4-1	SL	G			2/18/20	9:45		1	X									X	X		Hold TCLP Pb
3	A-5-1	SL	G			2/18/20	13:59		1	X									X	X		Hold TCLP Pb
4	A-7-1N	SL	G			2/18/20	10:15		1	X									X	X		Hold TCLP Pb
5	A-7-2S	SL	G			2/18/20	10:19		1	X									X	X		Hold TCLP Pb
6	A-8-1	SL	G			2/18/20	10:39		1	X									X	X		Hold TCLP Pb
7	A-9-1	SL	G			2/18/20	11:01		1	X									X	X		Hold TCLP Pb
8	A-10-1	SL	G			2/18/20	12:28		1	X									X	X		Hold TCLP Pb
9	A-12-1	SL	G			2/18/20	12:47		1	X									X	X		Hold TCLP Pb
10	A-13-1	SL	G			2/18/20	13:00		1	X									X	X		Hold TCLP Pb
11	A-14-1	SL	G			2/18/20	16:32		1	X									X	X		Hold TCLP Pb
12	A-15-1S	SL	G			2/18/20	15:55		1	X									X	X		Hold TCLP Pb

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Conn Gaston	2-21-20	17:20	Office	2/21/20	1720				
	M W Dillon	2-24-20	1404	Jerry Dips Pace	2-24-20	14:04				
	Jerry Dips Pace	2-25-20	1030	Fed Ex	2-25-20	1030				
	Fed Ex	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	State / Location
	AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCL	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Requested Analysis Filtered (Y/N)): Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	A-15-2N	SL	G			2/18/20	16:01		1	X								X	X		Hold TCLP Pb
2	A-16-1	SL	G			2/18/20	15:50		1	X								X	X		Hold TCLP Pb
3	A-17-1	SL	G			2/18/20	15:47		1	X								X	X		Hold TCLP Pb
4	A-18-1	SL	G			2/18/20	13:20		1	X								X	X		Hold TCLP Pb
5	A-19-1	SL	G			2/18/20	13:32		1	X								X	X		Hold TCLP Pb
6	A-22-1W	SL	G			2/18/20	15:15		1	X								X	X		Hold TCLP Pb
7	A-22-2E	SL	G			2/18/20	15:24		1	X								X	X		Hold TCLP Pb
8	A-23-1	SL	G			2/19/20	9:46		1	X								X	X		Hold TCLP Pb
9	A-25-1N	SL	G			2/18/20	9:20		1	X								X	X		Hold TCLP Pb
10	A-25-2E	SL	G			2/19/20	9:21		1	X								X	X		Hold TCLP Pb
11	A-25-3W	SL	G			2/19/20	9:24		1	X								X	X		Hold TCLP Pb
12	A-25-4S	SL	G			2/19/20	9:27		1	X								X	X		Hold TCLP Pb

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Conn Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	14:04				
	[illegible] Pace	2-25-20	1030	[illegible]	2-25-20	1030				
	[illegible]	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Connor Gaston					
SIGNATURE of SAMPLER:	DATE Signed:				

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
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Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency

State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: Total Lead	Analyses Test: TCLP Lead	Residual Chlorine (Y/N)	
1	A-25-5C	SL	G			2/19/20	9:25		1	X								X	X		Hold TCLP Pb
2	A-28-1N	SL	G			2/19/20	8:50		1	X								X	X		Hold TCLP Pb
3	A-28-2S	SL	G			2/19/20	8:54		1	X								X	X		Hold TCLP Pb
4	A-29-1	SL	G			2/19/20	8:58		1	X								X	X		Hold TCLP Pb
5	A-30-1	SL	G			2/19/20	8:00		1	X								X	X		Hold TCLP Pb
6	A-31-1	SL	G			2/19/20	7:50		1	X								X	X		Hold TCLP Pb
7	A-33-1	SL	G			2/19/20	7:35		1	X								X	X		Hold TCLP Pb
8	A-34-1	SL	G			2/19/20	8:20		1	X								X	X		Hold TCLP Pb
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	Jerry Dipes Pace	2-24-20	14:04				
	Jerry Dipes Pace	2-25-20	1030	Ted Go	2-25-20	1030				
	Ted Go	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

CHAIN-OF-CUSTODY / Analytical Request Document

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Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency

State / Location
AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	B-1-1	SL	G			2/19/20	14:50		1	X									X	X		Hold TCLP Pb
2	B-2-1E	SL	G			2/19/20	15:35		1	X									X	X		Hold TCLP Pb
3	B-2-2C	SL	G			2/19/20	15:40		1	X									X	X		Hold TCLP Pb
4	B-2-3W	SL	G			2/19/20	15:37		1	X									X	X		Hold TCLP Pb
5	B-3-1S	SL	G			2/19/20	14:54		1	X									X	X		Hold TCLP Pb
6	B-3-2N	SL	G			2/19/20	14:57		1	X									X	X		Hold TCLP Pb
7	B-4-1N	SL	G			2/19/20	15:18		1	X									X	X		Hold TCLP Pb
8	B-4-2S	SL	G			2/19/20	15:12		1	X									X	X		Hold TCLP Pb
9	B-4-3E	SL	G			2/19/20	15:16		1	X									X	X		Hold TCLP Pb
10	B-4-4W	SL	G			2/19/20	15:14		1	X									X	X		Hold TCLP Pb
11	B-5-1	SL	G			2/19/20	15:51		1	X									X	X		Hold TCLP Pb
12	B-6-1N	SL	G			2/19/20	12:33		1	X									X	X		Hold TCLP Pb

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Hold TCLP Pb Pending Total Pb Analysis	Conn Gaston	2-21-20	17:20	Office	2/21/20	1720
	[illegible]	2-24-20	1404	Jerry Angs Pace	2-24-20	1404
	[illegible] Pace	2-25-20	1030	Fed Ex	2-25-20	1030
	[illegible] Fed Ex	2-26-20	0830	[illegible]	2-26-20	0830

SAMPLE CONDITIONS

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Amb	N	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency
State / Location
AL

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	B-6-2S	SL	G			2/19/20	12:36		1	X									X	X		Hold TCLP Pb
2	B-8-1N	SL	G			2/19/20	16:05		1	X									X	X		Hold TCLP Pb
3	B-8-2S	SL	G			2/19/20	16:00		1	X									X	X		Hold TCLP Pb
4	B-9-1	SL	G			2/19/20	12:18		1	X									X	X		Hold TCLP Pb
5	B-10-1	SL	G			2/19/20	14:33		1	X									X	X		Hold TCLP Pb
6	B-11-1N	SL	G			2/19/20	16:23		1	X									X	X		Hold TCLP Pb
7	B-11-2C	SL	G			2/19/20	16:32		1	X									X	X		Hold TCLP Pb
8	B-11-3S	SL	G			2/19/20	16:37		1	X									X	X		Hold TCLP Pb
9	B-12-1	SL	G			2/19/20	12:05		1	X									X	X		Hold TCLP Pb
10	B-13-1	SL	G			2/19/20	10:40		1	X									X	X		Hold TCLP Pb
11	B-14-1	SL	G			2/19/20	14:08		1	X									X	X		Hold TCLP Pb
12	B-15-1	SL	G			2/19/20	14:17		1	X									X	X		Hold TCLP Pb

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	[illegible]	2-24-20	1404				
	[illegible]	2-25-20	1030	[illegible]	2-25-20	1030				
	[illegible]	2-26-20	0830	[illegible]	2-26-20	0830	ARB	N	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency

State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	B-16-1	SL	G			2/19/20	14:13		1	X									X	X		Hold TCLP Pb
2	B-17-1	SL	G			2/19/20	10:35		1	X									X	X		Hold TCLP Pb
3	B-18-1	SL	G			2/19/20	13:50		1	X									X	X		Hold TCLP Pb
4	B-19-1	SL	G			2/20/20	7:48		1	X									X	X		Hold TCLP Pb
5	B-20-1	SL	G			2/19/20	10:15		1	X									X	X		Hold TCLP Pb
6	B-21-1	SL	G			2/20/20	7:50		1	X									X	X		Hold TCLP Pb
7	B-22-1	SL	G			2/19/20	10:18		1	X									X	X		Hold TCLP Pb
8	B-23-1	SL	G			2/19/20	13:35		1	X									X	X		Hold TCLP Pb
9	B-24-1	SL	G			2/19/20	10:21		1	X									X	X		Hold TCLP Pb
10	B-25-1	SL	G			2/19/20	13:30		1	X									X	X		Hold TCLP Pb
11	B-26-1N	SL	G			2/19/20	13:18		1	X									X	X		Hold TCLP Pb
12	B-26-2S	SL	G			2/19/20	13:20		1	X									X	X		Hold TCLP Pb

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404				
	[illegible] Pace	2-25-20	1030	[illegible]	2-25-20	1030				
	Fed Ex	2-26-20	0830	[illegible]	2-26-20	0830	Amb	N	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

Pace Analytical

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Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	State / Location
	AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
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Other	OT
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ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Requested Analysis Filtered (Y/N)): Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	B-27-1	SL	G			2/20/20	8:29		1	X								X	X		Hold TCLP Pb
2	B-28-1	SL	G			2/19/20	13:45		1	X								X	X		Hold TCLP Pb
3	B-29-1	SL	G			2/20/20	8:01		1	X								X	X		Hold TCLP Pb
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404				
	[illegible] Pace	2-25-20	1630	[illegible]	2-25-20	1630				
	[illegible]	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

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Invoice Information:

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Address:	5555 Bankhead Highway, Birmingham, AL 35210
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Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	State / Location
	AL

MATRIX CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	C-1-1N	SL	G			2/20/20	16:07		1	X									X	X		Hold TCLP Pb
2	C-1-2S	SL	G			2/20/20	16:11		1	X									X	X		Hold TCLP Pb
3	C-2-1	SL	G			2/20/20	16:20		1	X									X	X		Hold TCLP Pb
4	C-3-1E	SL	G			2/20/20	16:28		1	X									X	X		Hold TCLP Pb
5	C-3-2W	SL	G			2/20/20	16:32		1	X									X	X		Hold TCLP Pb
6	C-4-1	SL	G			2/20/20	14:38		1	X									X	X		Hold TCLP Pb
7	C-5-1	SL	G			2/20/20	14:35		1	X									X	X		Hold TCLP Pb
8	C-6-1	SL	G			2/20/20	10:42		1	X									X	X		Hold TCLP Pb
9	C-7-1N	SL	G			2/20/20	10:25		1	X									X	X		Hold TCLP Pb
10	C-7-2S	SL	G			2/20/20	10:14		1	X									X	X		Hold TCLP Pb
11	C-8-1	SL	G			2/20/20	9:47		1	X									X	X		Hold TCLP Pb
12	C-9-1	SL	G			2/20/20	16:45		1	X									X	X		Hold TCLP Pb

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	[illegible]	2-24-20	1404				
	[illegible]	2-24-20	1030	[illegible]	2-25-20	1030				
	[illegible]	2-26-2020	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency

State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	C-10-1	SL	G			2/20/20	13:55		1	X									X	X		Hold TCLP Pb
2	C-12-1	SL	G			2/20/20	15:00		1	X									X	X		Hold TCLP Pb
3	C-13-1	SL	G			2/20/20	15:05		1	X									X	X		Hold TCLP Pb
4	C-14-1	SL	G			2/20/20	10:07		1	X									X	X		Hold TCLP Pb
5	C-15-1	SL	G			2/20/20	9:57		1	X									X	X		Hold TCLP Pb
6	C-16-1	SL	G			2/20/20	13:45		1	X									X	X		Hold TCLP Pb
7	C-20-1	SL	G			2/20/20	13:35		1	X									X	X		Hold TCLP Pb
8	C-24-1	SL	G			2/20/20	13:17		1	X									X	X		Hold TCLP Pb
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Conn [signature]	2-21-20	17:20	Office	2/21/20	1720				
	[signature]	2-24-20	1404	[signature] Pace	2-24-20	1404				
	[signature] Pace	2-25-20	1030	[signature] Fed Ex	2-25-20	1030				
	[signature]	2-26-20	0830	[signature]	2-26-20	0830	Amb	N	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

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Pace Profile #:	

Regulatory Agency

State / Location
AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	D-1-1	SL	G			2/20/20	10:53		1										X	X		Hold TCLP Pb
2	D-2-1	SL	G			2/20/20	11:04		1										X	X		Hold TCLP Pb
3	D-3-1N	SL	G			2/21/20	7:30		1										X	X		Hold TCLP Pb
4	D-3-2C	SL	G			2/21/20	7:35		1										X	X		Hold TCLP Pb
5	D-3-3S	SL	G			2/21/20	7:38		1										X	X		Hold TCLP Pb
6	D-4-1	SL	G			2/21/20	7:57		1										X	X		Hold TCLP Pb
7	D-5-1	SL	G			2/21/20	7:20		1										X	X		Hold TCLP Pb
8	D-6-1	SL	G			2/21/20	9:00		1										X	X		Hold TCLP Pb
9	D-11-1	SL	G			2/21/20	8:38		1										X	X		Hold TCLP Pb
10	D-12-1N	SL	G			2/21/20	8:08		1										X	X		Hold TCLP Pb
11	D-12-2S	SL	G			2/21/20	8:11		1										X	X		Hold TCLP Pb
12	D-13-1W	SL	G			2/21/20	9:18		1										X	X		Hold TCLP Pb

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404				
	[illegible] Pace	2-25-20	1030	[illegible] Fed Ex	2-25-20	1030				
	Fed Ex	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical

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Page : 11 Of 11

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Regulatory Agency

State / Location
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Water	WT
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1	D-13-2E	SL	G			2/21/20	9:22		1	X									X	X		Hold TCLP Pb
2	Dup	SL	G			2/18/20	-		1	X									X	X		Hold TCLP Pb
3	Dup2	SL	G			2/20/20	-		1	X									X	X		Hold TCLP Pb
4	Dup3	SL	G			2/20/20	-		1	X									X	X		Hold TCLP Pb
5	Dup4	SL	G			2/19/20	-		1	X									X	X		Hold TCLP Pb
6	Dup5	SL	G			2/19/20	-		1	X									X	X		Hold TCLP Pb
7	Dup6	SL	G			2/20/20	-		1	X									X	X		Hold TCLP Pb
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Hold TCLP Pb Pending Total Pb Analysis	Conn Gaston	2-21-20	17:20	office	2-21-20	17:20				
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404				
	[illegible] Pace	2-25-20	1030	Fed Ex	2-25-20	1030				
	Fed Ex	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER: DATE Signed:

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Condition Upon Re

WO#: 20144201

PM: MM1

Due Date: 03/04/20

Proje CLIENT: 20-PPMBIR-MU

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer

Custody Seal on Cooler/Box Present: [see COC]

Custody Seals intact: ☑ Yes ☐ No

Therometer Used: ☐ Therm Fisher IR 7 ☑ Therm Fisher IR 10

Type of Ice: Wet Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and Initials of person examining contents: PH 2.27.20

Temp must be measured from Temperature blank when present

					Comments:
Temperature Blank Present"?	☐ Yes	☑ No	☐ N/A	1	
Chain of Custody Present:	☑ Yes	☐ No	☐ N/A	2	
Chain of Custody Complete:	☑ Yes	☐ No	☐ N/A	3	
Chain of Custody Relinquished:	☑ Yes	☐ No	☐ N/A	4	
Sampler Name & Signature on COC:	☐ Yes	☑ No	☐ N/A	5	
Samples Arrived within Hold Time:	☑ Yes	☐ No	☐ N/A	6	
Sufficient Volume:	☑ Yes	☐ No	☐ N/A	7	
Correct Containers Used:	☑ Yes	☐ No	☐ N/A	8	
Filtered vol. Rec. for Diss. tests	☐ Yes	☐ No	☑ N/A	9	
Sample Labels match COC:	☑ Yes	☐ No	☐ N/A	10	
All containers received within manafacture's precautionary and/or expiration dates.	☑ Yes	☐ No	☐ N/A	11	
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐ Yes	☐ No	☑ N/A	12	
All containers preservation checked found to be in compliance with EPA recommendation.	☐ Yes	☐ No	☑ N/A	13	If No, was preserative added? ☐ Yes ☐ No If added record lot no.: HNO_3 _____ H_2SO_4 _____
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	14	
Trip Blank Present:	☐ Yes	☑ No		15	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

TCLP-LEAD (DEMOLITION RUBBLE)

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

March 16, 2020

Mike Dillon
PPM Consultants
5555 Bankhead Hwy
Birmingham, AL 35210

RE: Project: Former Fairfax Mill
Pace Project No.: 20144201

Dear Mike Dillon:
Enclosed are the analytical results for sample(s) received by the laboratory on February 26, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

3/6/20-This report has been revised to analyze samples A-19-1, B-1-1, B-3-1S, B-4-4W, B-8-1N, B-8-2S, B-11-1N, B-12-1, B-19-1, B-23-1, and D-5-1 for TCLP-lead per the client's request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Melissa MacNaughton

Melissa MacNaughton
melissa.macnaughton@pacelabs.com
(504)469-0333
Project Manager

Enclosures

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without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Pace Analytical Services New Orleans

California Env. Lab Accreditation Program Branch: 11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Pennsylviania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC): T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-00119
Commonwealth of Virginia (TNI): 480246

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Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20144201001	A-3-1	Solid	02/18/20 09:05	02/26/20 08:30
20144201002	A-4-1	Solid	02/18/20 09:45	02/26/20 08:30
20144201003	A-5-1	Solid	02/18/20 13:59	02/26/20 08:30
20144201004	A-7-1N	Solid	02/18/20 10:15	02/26/20 08:30
20144201005	A-7-2S	Solid	02/18/20 10:19	02/26/20 08:30
20144201006	A-8-1	Solid	02/18/20 10:39	02/26/20 08:30
20144201007	A-9-1	Solid	02/18/20 11:01	02/26/20 08:30
20144201008	A-10-1	Solid	02/18/20 12:28	02/26/20 08:30
20144201009	A-12-1	Solid	02/18/20 12:47	02/26/20 08:30
20144201010	A-13-1	Solid	02/18/20 13:00	02/26/20 08:30
20144201011	A-14-1	Solid	02/18/20 16:32	02/26/20 08:30
20144201012	A-15-1S	Solid	02/18/20 15:55	02/26/20 08:30
20144201013	A-15-2N	Solid	02/18/20 16:01	02/26/20 08:30
20144201014	A-16-1	Solid	02/18/20 15:50	02/26/20 08:30
20144201015	A-17-1	Solid	02/18/20 15:47	02/26/20 08:30
20144201016	A-18-1	Solid	02/18/20 13:20	02/26/20 08:30
20144201017	A-19-1	Solid	02/18/20 13:32	02/26/20 08:30
20144201018	A-22-1W	Solid	02/18/20 15:15	02/26/20 08:30
20144201019	A-22-2E	Solid	02/18/20 15:24	02/26/20 08:30
20144201020	A-23-1	Solid	02/19/20 09:46	02/26/20 08:30
20144201021	A-25-1N	Solid	02/18/20 09:20	02/26/20 08:30
20144201022	A-25-2E	Solid	02/19/20 09:21	02/26/20 08:30
20144201023	A-25-3W	Solid	02/19/20 09:24	02/26/20 08:30
20144201024	A-25-4S	Solid	02/19/20 09:27	02/26/20 08:30
20144201025	A-25-5C	Solid	02/19/20 09:25	02/26/20 08:30
20144201026	A-28-1N	Solid	02/19/20 08:50	02/26/20 08:30
20144201027	A-28-2S	Solid	02/19/20 08:54	02/26/20 08:30
20144201028	A-29-1	Solid	02/19/20 08:58	02/26/20 08:30
20144201029	A-30-1	Solid	02/19/20 08:00	02/26/20 08:30
20144201030	A-31-1	Solid	02/19/20 07:50	02/26/20 08:30
20144201031	A-33-1	Solid	02/19/20 07:35	02/26/20 08:30
20144201032	A-34-1	Solid	02/19/20 08:20	02/26/20 08:30
20144201033	B-1-1	Solid	02/19/20 14:50	02/26/20 08:30
20144201034	B-2-1E	Solid	02/19/20 15:35	02/26/20 08:30
20144201035	B-2-2C	Solid	02/19/20 15:40	02/26/20 08:30
20144201036	B-2-3W	Solid	02/19/20 15:37	02/26/20 08:30
20144201037	B-3-1S	Solid	02/19/20 14:54	02/26/20 08:30

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Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

SAMPLE SUMMARY

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20144201038	B-3-2N	Solid	02/19/20 14:57	02/26/20 08:30
20144201039	B-4-1N	Solid	02/19/20 15:18	02/26/20 08:30
20144201040	B-4-2S	Solid	02/19/20 15:12	02/26/20 08:30
20144201041	B-4-3E	Solid	02/19/20 15:16	02/26/20 08:30
20144201042	B-4-4W	Solid	02/19/20 15:14	02/26/20 08:30
20144201043	B-5-1	Solid	02/19/20 15:51	02/26/20 08:30
20144201044	B-6-1N	Solid	02/19/20 12:33	02/26/20 08:30
20144201045	B-6-2S	Solid	02/19/20 12:36	02/26/20 08:30
20144201046	B-8-1N	Solid	02/19/20 16:05	02/26/20 08:30
20144201047	B-8-2S	Solid	02/19/20 16:00	02/26/20 08:30
20144201048	B-9-1	Solid	02/19/20 12:18	02/26/20 08:30
20144201049	B-10-1	Solid	02/19/20 14:33	02/26/20 08:30
20144201050	B-11-1N	Solid	02/19/20 16:23	02/26/20 08:30
20144201051	B-11-2C	Solid	02/19/20 16:32	02/26/20 08:30
20144201052	B-11-3S	Solid	02/19/20 16:37	02/26/20 08:30
20144201053	B-12-1	Solid	02/19/20 12:05	02/26/20 08:30
20144201054	B-13-1	Solid	02/19/20 10:40	02/26/20 08:30
20144201055	B-14-1	Solid	02/19/20 14:08	02/26/20 08:30
20144201056	B-15-1	Solid	02/19/20 14:17	02/26/20 08:30
20144201057	B-16-1	Solid	02/19/20 14:13	02/26/20 08:30
20144201058	B-17-1	Solid	02/19/20 10:35	02/26/20 08:30
20144201059	B-18-1	Solid	02/19/20 13:50	02/26/20 08:30
20144201060	B-19-1	Solid	02/20/20 07:48	02/26/20 08:30
20144201061	B-20-1	Solid	02/19/20 10:15	02/26/20 08:30
20144201062	B-21-1	Solid	02/20/20 07:50	02/26/20 08:30
20144201063	B-22-1	Solid	02/19/20 10:18	02/26/20 08:30
20144201064	B-23-1	Solid	02/19/20 13:35	02/26/20 08:30
20144201065	B-24-1	Solid	02/19/20 10:21	02/26/20 08:30
20144201066	B-25-1	Solid	02/19/20 13:30	02/26/20 08:30
20144201067	B-26-1N	Solid	02/19/20 13:18	02/26/20 08:30
20144201068	B-26-2S	Solid	02/19/20 13:20	02/26/20 08:30
20144201069	B-27-1	Solid	02/20/20 08:29	02/26/20 08:30
20144201070	B-28-1	Solid	02/19/20 13:45	02/26/20 08:30
20144201071	B-29-1	Solid	02/20/20 08:01	02/26/20 08:30
20144201072	C-1-1N	Solid	02/20/20 16:07	02/26/20 08:30
20144201073	C-1-2S	Solid	02/20/20 16:11	02/26/20 08:30
20144201074	C-2-1	Solid	02/20/20 16:20	02/26/20 08:30

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SAMPLE SUMMARY

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20144201075	C-3-1E	Solid	02/20/20 16:28	02/26/20 08:30
20144201076	C-3-2W	Solid	02/20/20 16:32	02/26/20 08:30
20144201077	C-4-1	Solid	02/20/20 14:38	02/26/20 08:30
20144201078	C-5-1	Solid	02/20/20 14:35	02/26/20 08:30
20144201079	C-6-1	Solid	02/20/20 10:42	02/26/20 08:30
20144201080	C-7-1N	Solid	02/20/20 10:25	02/26/20 08:30
20144201081	C-7-2S	Solid	02/20/20 10:14	02/26/20 08:30
20144201082	C-8-1	Solid	02/20/20 09:47	02/26/20 08:30
20144201083	C-9-1	Solid	02/20/20 16:45	02/26/20 08:30
20144201084	C-10-1	Solid	02/20/20 13:55	02/26/20 08:30
20144201085	C-12-1	Solid	02/20/20 15:00	02/26/20 08:30
20144201086	C-13-1	Solid	02/20/20 15:05	02/26/20 08:30
20144201087	C-14-1	Solid	02/20/20 10:07	02/26/20 08:30
20144201088	C-15-1	Solid	02/20/20 09:57	02/26/20 08:30
20144201089	C-16-1	Solid	02/20/20 13:45	02/26/20 08:30
20144201090	C-20-1	Solid	02/20/20 13:35	02/26/20 08:30
20144201091	C-24-1	Solid	02/20/20 13:17	02/26/20 08:30
20144201092	D-1-1	Solid	02/20/20 10:53	02/26/20 08:30
20144201093	D-2-1	Solid	02/20/20 11:04	02/26/20 08:30
20144201094	D-3-1N	Solid	02/21/20 07:30	02/26/20 08:30
20144201095	D-3-2C	Solid	02/21/20 07:35	02/26/20 08:30
20144201096	D-3-3S	Solid	02/21/20 07:38	02/26/20 08:30
20144201097	D-4-1	Solid	02/21/20 07:57	02/26/20 08:30
20144201098	D-5-1	Solid	02/21/20 07:20	02/26/20 08:30
20144201099	D-6-1	Solid	02/21/20 09:00	02/26/20 08:30
20144201100	D-11-1	Solid	02/21/20 08:38	02/26/20 08:30
20144201101	D-12-1N	Solid	02/21/20 08:08	02/26/20 08:30
20144201102	D-12-2S	Solid	02/21/20 08:11	02/26/20 08:30
20144201103	D-13-1W	Solid	02/21/20 09:18	02/26/20 08:30
20144201104	D-13-2E	Solid	02/21/20 09:22	02/26/20 08:30
20144201105	DUP	Solid	02/18/20 00:00	02/26/20 08:30
20144201106	DUP2	Solid	02/20/20 00:00	02/26/20 08:30
20144201107	DUP3	Solid	02/20/20 00:00	02/26/20 08:30
20144201108	DUP4	Solid	02/19/20 00:00	02/26/20 08:30
20144201109	DUP5	Solid	02/19/20 00:00	02/26/20 08:30
20144201110	DUP6	Solid	02/20/20 00:00	02/26/20 08:30

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20144201001	**A-3-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201002	**A-4-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201003	**A-5-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201004	**A-7-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201005	**A-7-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201006	**A-8-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201007	**A-9-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201008	**A-10-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201009	**A-12-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201010	**A-13-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201011	**A-14-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201012	**A-15-1S**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201013	**A-15-2N**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201014	**A-16-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201015	**A-17-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201016	**A-18-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201017	**A-19-1**	EPA 6010	FC1	1	PASI-N
		EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201018	**A-22-1W**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20144201019	**A-22-2E**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201020	**A-23-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201021	**A-25-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201022	**A-25-2E**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201023	**A-25-3W**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201024	**A-25-4S**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201025	**A-25-5C**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201026	**A-28-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201027	**A-28-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201028	**A-29-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201029	**A-30-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201030	**A-31-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201031	**A-33-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201032	**A-34-1**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201033	**B-1-1**	EPA 6010	FC1	1	PASI-N
		EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201034	**B-2-1E**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201035	**B-2-2C**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201036	**B-2-3W**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20144201037	**B-3-1S**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201038	**B-3-2N**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201039	**B-4-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201040	**B-4-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	PMB	1	PASI-N
20144201041	**B-4-3E**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201042	**B-4-4W**	EPA 6010	FC1	1	PASI-N
		EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201043	**B-5-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201044	**B-6-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201045	**B-6-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201046	**B-8-1N**	EPA 6010	FC1	1	PASI-N
		EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201047	**B-8-2S**	EPA 6010	FC1	1	PASI-N
		EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201048	**B-9-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201049	**B-10-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201050	**B-11-1N**	EPA 6010	FC1	1	PASI-N
		EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201051	**B-11-2C**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201052	**B-11-3S**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201053	**B-12-1**	EPA 6010	FC1	1	PASI-N

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201054	**B-13-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201055	**B-14-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201056	**B-15-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201057	**B-16-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201058	**B-17-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201059	**B-18-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201060	**B-19-1**	EPA 6010	FC1	1	PASI-N
		EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201061	**B-20-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201062	**B-21-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201063	**B-22-1**	EPA 6010	FC1	1	PASI-N
		Moisture	GGG1	1	PASI-N
20144201064	**B-23-1**	EPA 6010	FC1	1	PASI-N
		EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201065	**B-24-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201066	**B-25-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201067	**B-26-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201068	**B-26-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201069	**B-27-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201070	**B-28-1**	EPA 6010	FC1	1	PASI-N

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Moisture	SJS	1	PASI-N
20144201071	**B-29-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201072	**C-1-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201073	**C-1-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201074	**C-2-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201075	**C-3-1E**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201076	**C-3-2W**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201077	**C-4-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201078	**C-5-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201079	**C-6-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201080	**C-7-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201081	**C-7-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201082	**C-8-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201083	**C-9-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201084	**C-10-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201085	**C-12-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201086	**C-13-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201087	**C-14-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201088	**C-15-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20144201089	**C-16-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201090	**C-20-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201091	**C-24-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201092	**D-1-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201093	**D-2-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201094	**D-3-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201095	**D-3-2C**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201096	**D-3-3S**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201097	**D-4-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201098	**D-5-1**	EPA 6010	FC1	1	PASI-N
		EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201099	**D-6-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201100	**D-11-1**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201101	**D-12-1N**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201102	**D-12-2S**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201103	**D-13-1W**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201104	**D-13-2E**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201105	**DUP**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201106	**DUP2**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20144201107	**DUP3**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201108	**DUP4**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201109	**DUP5**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N
20144201110	**DUP6**	EPA 6010	FC1	1	PASI-N
		Moisture	SJS	1	PASI-N

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PROJECT NARRATIVE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Method: **EPA 6010**
Description: 6010 Metals, Total
Client: PPM BIRMINGHAM
Date: March 16, 2020

General Information:
110 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 176839

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 75126186001

R1: RPD value was outside control limits.

- MSD (Lab ID: 806463)
  - Lead

QC Batch: 176853

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20144201020

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 806570)
  - Lead

R1: RPD value was outside control limits.

- MSD (Lab ID: 806571)
  - Lead

QC Batch: 176954

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20144201059

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 807034)

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PROJECT NARRATIVE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Method: **EPA 6010**
Description: 6010 Metals, Total
Client: PPM BIRMINGHAM
Date: March 16, 2020

QC Batch: 176954

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20144201059

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Lead
- MSD (Lab ID: 807035)
  - Lead

QC Batch: 176957

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20144201099

R1: RPD value was outside control limits.

- MSD (Lab ID: 807049)
  - Lead

QC Batch: 177616

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20144201037

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 810831)
  - Lead
- MSD (Lab ID: 810832)
  - Lead

R1: RPD value was outside control limits.

- MSD (Lab ID: 810832)
  - Lead

Additional Comments:

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PROJECT NARRATIVE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Method: **EPA 6010**
Description: 6010 Metals, TCLP
Client: PPM BIRMINGHAM
Date: March 16, 2020

General Information:
10 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H2: Extraction or preparation conducted outside EPA method holding time.
- A-19-1 (Lab ID: 20144201017)
- B-1-1 (Lab ID: 20144201033)
- B-11-1N (Lab ID: 20144201050)
- B-12-1 (Lab ID: 20144201053)
- B-19-1 (Lab ID: 20144201060)
- B-23-1 (Lab ID: 20144201064)
- B-4-4W (Lab ID: 20144201042)
- B-8-1N (Lab ID: 20144201046)
- B-8-2S (Lab ID: 20144201047)
- D-5-1 (Lab ID: 20144201098)

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-3-1 **Lab ID: 20144201001** Collected: 02/18/20 09:05 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**23.7**	mg/kg	0.48	1	02/28/20 09:02	03/02/20 17:50	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.8**	%	0.50	1		02/28/20 09:15		

Sample: A-4-1 **Lab ID: 20144201002** Collected: 02/18/20 09:45 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**74.6**	mg/kg	0.43	1	02/28/20 09:02	03/02/20 17:54	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.6**	%	0.50	1		02/28/20 09:17		

Sample: A-5-1 **Lab ID: 20144201003** Collected: 02/18/20 13:59 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**63.1**	mg/kg	0.48	1	02/28/20 09:02	03/02/20 17:58	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.5**	%	0.50	1		02/28/20 09:18		

Sample: A-7-1N **Lab ID: 20144201004** Collected: 02/18/20 10:15 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**22.3**	mg/kg	0.38	1	02/28/20 09:02	03/02/20 18:02	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.5**	%	0.50	1		02/28/20 09:19		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-7-2S **Lab ID: 20144201005** Collected: 02/18/20 10:19 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**27.6**	mg/kg	0.42	1	02/28/20 09:02	03/02/20 18:18	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.8**	%	0.50	1		02/28/20 09:19		

Sample: A-8-1 **Lab ID: 20144201006** Collected: 02/18/20 10:39 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**33.7**	mg/kg	0.55	1	02/28/20 09:02	03/02/20 18:22	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.9**	%	0.50	1		02/28/20 09:20		

Sample: A-9-1 **Lab ID: 20144201007** Collected: 02/18/20 11:01 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**27.8**	mg/kg	0.47	1	02/28/20 09:02	03/02/20 18:26	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.1**	%	0.50	1		02/28/20 09:23		

Sample: A-10-1 **Lab ID: 20144201008** Collected: 02/18/20 12:28 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**20.4**	mg/kg	0.53	1	02/28/20 09:02	03/02/20 18:30	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.5**	%	0.50	1		02/28/20 09:24		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-12-1 **Lab ID: 20144201009** Collected: 02/18/20 12:47 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**40.9**	mg/kg	0.54	1	02/28/20 09:02	03/02/20 18:34	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**18.1**	%	0.50	1		02/28/20 09:25		

Sample: A-13-1 **Lab ID: 20144201010** Collected: 02/18/20 13:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**19.2**	mg/kg	0.43	1	02/28/20 09:02	03/02/20 18:38	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.3**	%	0.50	1		02/28/20 09:26		

Sample: A-14-1 **Lab ID: 20144201011** Collected: 02/18/20 16:32 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**91.2**	mg/kg	0.45	1	02/28/20 09:02	03/02/20 18:42	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.2**	%	0.50	1		02/28/20 09:27		

Sample: A-15-1S **Lab ID: 20144201012** Collected: 02/18/20 15:55 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**25.8**	mg/kg	0.49	1	02/28/20 09:02	03/02/20 18:46	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**4.7**	%	0.50	1		02/28/20 09:27		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-15-2N **Lab ID: 20144201013** Collected: 02/18/20 16:01 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**29.1**	mg/kg	0.40	1	02/28/20 09:02	03/02/20 18:50	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.5**	%	0.50	1		02/28/20 09:29		

Sample: A-16-1 **Lab ID: 20144201014** Collected: 02/18/20 15:50 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**13.1**	mg/kg	0.52	1	02/28/20 09:02	03/02/20 18:54	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.4**	%	0.50	1		02/28/20 09:29		

Sample: A-17-1 **Lab ID: 20144201015** Collected: 02/18/20 15:47 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**5.1**	mg/kg	0.51	1	02/28/20 09:02	03/02/20 19:10	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.6**	%	0.50	1		02/28/20 09:30		

Sample: A-18-1 **Lab ID: 20144201016** Collected: 02/18/20 13:20 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**73.7**	mg/kg	0.38	1	02/28/20 09:02	03/02/20 19:14	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**21.9**	%	0.50	1		02/28/20 09:31		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-19-1 **Lab ID: 20144201017** Collected: 02/18/20 13:32 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**5300**	mg/kg	93.8	1	02/28/20 09:02	03/02/20 19:19	7439-92-1	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 03/09/20 13:00							
Lead	ND	mg/L	0.20	1	03/10/20 09:53	03/11/20 13:00	7439-92-1	H2
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**99.6**	%	0.50	1		02/28/20 09:31		

Sample: A-22-1W **Lab ID: 20144201018** Collected: 02/18/20 15:15 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**44.8**	mg/kg	0.39	1	02/28/20 09:02	03/02/20 19:22	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.3**	%	0.50	1		02/28/20 09:32		

Sample: A-22-2E **Lab ID: 20144201019** Collected: 02/18/20 15:24 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**42.9**	mg/kg	0.46	1	02/28/20 09:02	03/02/20 19:26	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**18.8**	%	0.50	1		02/28/20 09:35		

Sample: A-23-1 **Lab ID: 20144201020** Collected: 02/19/20 09:46 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**45.2**	mg/kg	0.56	1	02/28/20 09:02	03/02/20 22:34	7439-92-1	M1,R1
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**18.3**	%	0.50	1		02/28/20 09:48		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-25-1N **Lab ID: 20144201021** Collected: 02/18/20 09:20 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**45.1**	mg/kg	0.60	1	02/28/20 09:02	03/02/20 23:02	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.4**	%	0.50	1		02/28/20 09:50		

Sample: A-25-2E **Lab ID: 20144201022** Collected: 02/19/20 09:21 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**59.0**	mg/kg	0.52	1	02/28/20 09:02	03/02/20 23:06	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.7**	%	0.50	1		02/28/20 09:51		

Sample: A-25-3W **Lab ID: 20144201023** Collected: 02/19/20 09:24 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**51.8**	mg/kg	0.50	1	02/28/20 09:02	03/02/20 23:10	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.1**	%	0.50	1		02/28/20 09:51		

Sample: A-25-4S **Lab ID: 20144201024** Collected: 02/19/20 09:27 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**49.4**	mg/kg	0.48	1	02/28/20 09:02	03/02/20 23:14	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.2**	%	0.50	1		02/28/20 09:52		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-25-5C **Lab ID: 20144201025** Collected: 02/19/20 09:25 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**75.2**	mg/kg	0.45	1	02/28/20 09:02	03/02/20 23:18	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.1**	%	0.50	1		02/28/20 09:53		

Sample: A-28-1N **Lab ID: 20144201026** Collected: 02/19/20 08:50 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**25.6**	mg/kg	0.42	1	02/28/20 09:02	03/02/20 23:22	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.7**	%	0.50	1		02/28/20 09:53		

Sample: A-28-2S **Lab ID: 20144201027** Collected: 02/19/20 08:54 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**24.4**	mg/kg	0.55	1	02/28/20 09:02	03/02/20 23:26	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**19.5**	%	0.50	1		02/28/20 09:54		

Sample: A-29-1 **Lab ID: 20144201028** Collected: 02/19/20 08:58 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**2.3**	mg/kg	0.42	1	02/28/20 09:02	03/02/20 23:30	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.5**	%	0.50	1		02/28/20 09:54		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: A-30-1 **Lab ID: 20144201029** Collected: 02/19/20 08:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**48.9**	mg/kg	0.52	1	02/28/20 09:02	03/02/20 23:46	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.9**	%	0.50	1		02/28/20 09:56		

Sample: A-31-1 **Lab ID: 20144201030** Collected: 02/19/20 07:50 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**43.8**	mg/kg	0.48	1	02/28/20 09:02	03/02/20 23:50	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.4**	%	0.50	1		02/28/20 09:57		

Sample: A-33-1 **Lab ID: 20144201031** Collected: 02/19/20 07:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**27.2**	mg/kg	0.38	1	02/28/20 09:02	03/02/20 23:54	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.5**	%	0.50	1		02/28/20 09:57		

Sample: A-34-1 **Lab ID: 20144201032** Collected: 02/19/20 08:20 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**13.9**	mg/kg	0.44	1	02/28/20 09:02	03/02/20 23:58	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.6**	%	0.50	1		02/28/20 09:58		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-1-1 **Lab ID: 20144201033** Collected: 02/19/20 14:50 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**102**	mg/kg	0.55	1	02/28/20 09:02	03/03/20 00:02	7439-92-1	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 03/09/20 13:00							
Lead	ND	mg/L	0.20	1	03/10/20 09:53	03/11/20 13:17	7439-92-1	H2
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.9**	%	0.50	1		02/28/20 09:59		

Sample: B-2-1E **Lab ID: 20144201034** Collected: 02/19/20 15:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**26.1**	mg/kg	0.54	1	02/28/20 09:02	03/03/20 00:06	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**22.3**	%	0.50	1		02/28/20 09:59		

Sample: B-2-2C **Lab ID: 20144201035** Collected: 02/19/20 15:40 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**51.8**	mg/kg	0.47	1	02/28/20 09:02	03/03/20 00:10	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.5**	%	0.50	1		02/28/20 10:00		

Sample: B-2-3W **Lab ID: 20144201036** Collected: 02/19/20 15:37 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**6.8**	mg/kg	0.48	1	02/28/20 09:02	03/03/20 00:14	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.1**	%	0.50	1		02/28/20 10:00		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-3-1S **Lab ID: 20144201037** Collected: 02/19/20 14:54 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**143**	mg/kg	0.51	1	03/05/20 09:33	03/05/20 15:17	7439-92-1	M1,R1
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10**	%	0.50	1		03/04/20 17:08		

Sample: B-3-2N **Lab ID: 20144201038** Collected: 02/19/20 14:57 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**67.6**	mg/kg	0.49	1	02/28/20 09:02	03/03/20 00:18	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**12.8**	%	0.50	1		02/28/20 10:01		

Sample: B-4-1N **Lab ID: 20144201039** Collected: 02/19/20 15:18 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**3.8**	mg/kg	0.58	1	02/28/20 09:02	03/03/20 00:22	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.1**	%	0.50	1		02/28/20 10:02		

Sample: B-4-2S **Lab ID: 20144201040** Collected: 02/19/20 15:12 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**44.3**	mg/kg	0.57	1	02/28/20 09:02	03/03/20 00:39	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.5**	%	0.50	1		02/28/20 10:03		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-4-3E **Lab ID: 20144201041** Collected: 02/19/20 15:16 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**6.4**	mg/kg	0.41	1	02/28/20 13:48	03/02/20 17:26	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.8**	%	0.50	1		02/28/20 11:37		

Sample: B-4-4W **Lab ID: 20144201042** Collected: 02/19/20 15:14 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**129**	mg/kg	0.46	1	02/28/20 13:48	03/02/20 17:30	7439-92-1	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 03/09/20 13:00							
Lead	ND	mg/L	0.20	1	03/10/20 09:53	03/11/20 13:21	7439-92-1	H2
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.7**	%	0.50	1		02/28/20 11:38		

Sample: B-5-1 **Lab ID: 20144201043** Collected: 02/19/20 15:51 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**8.3**	mg/kg	0.45	1	02/28/20 13:48	03/02/20 16:02	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.2**	%	0.50	1		02/28/20 11:39		

Sample: B-6-1N **Lab ID: 20144201044** Collected: 02/19/20 12:33 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**44.3**	mg/kg	0.55	1	02/28/20 13:48	03/02/20 16:06	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.9**	%	0.50	1		02/28/20 11:42		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-6-2S **Lab ID: 20144201045** Collected: 02/19/20 12:36 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**33.0**	mg/kg	0.43	1	02/28/20 13:48	03/02/20 16:10	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.6**	%	0.50	1		02/28/20 10:52		

Sample: B-8-1N **Lab ID: 20144201046** Collected: 02/19/20 16:05 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**288**	mg/kg	0.56	1	02/28/20 13:48	03/02/20 16:14	7439-92-1	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 03/09/20 13:00							
Lead	ND	mg/L	0.20	1	03/10/20 09:53	03/11/20 13:25	7439-92-1	H2
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.7**	%	0.50	1		02/28/20 10:53		

Sample: B-8-2S **Lab ID: 20144201047** Collected: 02/19/20 16:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**116**	mg/kg	0.55	1	02/28/20 13:48	03/02/20 16:18	7439-92-1	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 03/09/20 13:00							
Lead	ND	mg/L	0.20	1	03/10/20 09:53	03/11/20 13:29	7439-92-1	H2
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.9**	%	0.50	1		02/28/20 11:45		

Sample: B-9-1 **Lab ID: 20144201048** Collected: 02/19/20 12:18 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**23.4**	mg/kg	0.38	1	02/28/20 13:48	03/02/20 16:22	7439-92-1	

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-9-1 **Lab ID: 20144201048** Collected: 02/19/20 12:18 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.7**	%	0.50	1		02/28/20 11:45		

Sample: B-10-1 **Lab ID: 20144201049** Collected: 02/19/20 14:33 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**25.2**	mg/kg	0.42	1	02/28/20 13:48	03/02/20 16:26	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**7.7**	%	0.50	1		02/28/20 11:46		

Sample: B-11-1N **Lab ID: 20144201050** Collected: 02/19/20 16:23 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**138**	mg/kg	0.41	1	02/28/20 13:48	03/02/20 16:38	7439-92-1	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 03/09/20 13:00							
Lead	ND	mg/L	0.20	1	03/10/20 09:53	03/11/20 13:33	7439-92-1	H2
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.9**	%	0.50	1		02/28/20 11:47		

Sample: B-11-2C **Lab ID: 20144201051** Collected: 02/19/20 16:32 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**1.2**	mg/kg	0.32	1	02/28/20 13:48	03/02/20 16:42	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.1**	%	0.50	1		02/28/20 11:48		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-11-3S **Lab ID: 20144201052** Collected: 02/19/20 16:37 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**14.5**	mg/kg	0.40	1	02/28/20 13:48	03/02/20 16:46	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.4**	%	0.50	1		02/28/20 11:49		

Sample: B-12-1 **Lab ID: 20144201053** Collected: 02/19/20 12:05 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**163**	mg/kg	0.59	1	02/28/20 13:48	03/02/20 16:50	7439-92-1	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 03/09/20 13:00							
Lead	ND	mg/L	0.20	1	03/10/20 09:53	03/11/20 13:38	7439-92-1	H2
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.8**	%	0.50	1		02/28/20 11:50		

Sample: B-13-1 **Lab ID: 20144201054** Collected: 02/19/20 10:40 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**0.30**	mg/kg	0.0048	1	02/28/20 13:48	03/02/20 16:54	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**18.2**	%	0.50	1		02/28/20 11:50		

Sample: B-14-1 **Lab ID: 20144201055** Collected: 02/19/20 14:08 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**50.9**	mg/kg	0.31	1	02/28/20 13:48	03/02/20 16:58	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.4**	%	0.50	1		02/28/20 11:50		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-15-1 **Lab ID: 20144201056** Collected: 02/19/20 14:17 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**44.7**	mg/kg	0.53	1	02/28/20 13:48	03/02/20 17:02	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.6**	%	0.50	1		02/28/20 11:51		

Sample: B-16-1 **Lab ID: 20144201057** Collected: 02/19/20 14:13 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**38.2**	mg/kg	0.41	1	02/28/20 13:48	03/02/20 17:06	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**12.3**	%	0.50	1		02/28/20 11:52		

Sample: B-17-1 **Lab ID: 20144201058** Collected: 02/19/20 10:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**86.6**	mg/kg	0.44	1	02/28/20 13:48	03/02/20 17:10	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.3**	%	0.50	1		02/28/20 11:53		

Sample: B-18-1 **Lab ID: 20144201059** Collected: 02/19/20 13:50 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**74.3**	mg/kg	0.43	1	02/28/20 12:19	03/03/20 18:27	7439-92-1	M1
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**12.0**	%	0.50	1		02/28/20 15:27		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-19-1 **Lab ID: 20144201060** Collected: 02/20/20 07:48 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**125**	mg/kg	0.44	1	02/28/20 12:19	03/03/20 18:43	7439-92-1	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 03/10/20 13:00							
Lead	ND	mg/L	0.20	1	03/11/20 09:38	03/11/20 17:00	7439-92-1	H2
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**21.6**	%	0.50	1		02/28/20 15:27		

Sample: B-20-1 **Lab ID: 20144201061** Collected: 02/19/20 10:15 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**41.0**	mg/kg	0.43	1	02/28/20 12:19	03/03/20 19:15	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**19.5**	%	0.50	1		02/28/20 15:28		

Sample: B-21-1 **Lab ID: 20144201062** Collected: 02/20/20 07:50 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**11.8**	mg/kg	0.34	1	02/28/20 12:19	03/03/20 19:20	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**20.9**	%	0.50	1		02/28/20 11:54		

Sample: B-22-1 **Lab ID: 20144201063** Collected: 02/19/20 10:18 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**13.5**	mg/kg	0.56	1	02/28/20 12:19	03/03/20 19:24	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**12.9**	%	0.50	1		02/28/20 11:55		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-23-1 **Lab ID: 20144201064** Collected: 02/19/20 13:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**191**	mg/kg	0.47	1	02/28/20 12:19	03/03/20 19:28	7439-92-1	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 03/10/20 13:00							
Lead	ND	mg/L	0.20	1	03/11/20 09:38	03/11/20 17:04	7439-92-1	H2
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.8**	%	0.50	1		02/28/20 15:52		

Sample: B-24-1 **Lab ID: 20144201065** Collected: 02/19/20 10:21 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**42.9**	mg/kg	0.41	1	02/28/20 12:19	03/03/20 19:31	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.1**	%	0.50	1		02/28/20 15:24		

Sample: B-25-1 **Lab ID: 20144201066** Collected: 02/19/20 13:30 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**41.5**	mg/kg	0.40	1	02/28/20 12:19	03/03/20 19:35	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**16.6**	%	0.50	1		02/28/20 15:25		

Sample: B-26-1N **Lab ID: 20144201067** Collected: 02/19/20 13:18 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**44.9**	mg/kg	0.54	1	02/28/20 12:19	03/03/20 19:39	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.9**	%	0.50	1		02/28/20 15:26		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: B-26-2S **Lab ID: 20144201068** Collected: 02/19/20 13:20 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**35.8**	mg/kg	5.2	10	02/28/20 12:19	03/03/20 19:43	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.6**	%	0.50	1		02/28/20 15:27		

Sample: B-27-1 **Lab ID: 20144201069** Collected: 02/20/20 08:29 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**7.5**	mg/kg	0.48	1	02/28/20 12:19	03/03/20 19:47	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.6**	%	0.50	1		02/28/20 15:32		

Sample: B-28-1 **Lab ID: 20144201070** Collected: 02/19/20 13:45 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**13.8**	mg/kg	0.38	1	02/28/20 12:19	03/03/20 19:51	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.2**	%	0.50	1		02/28/20 15:35		

Sample: B-29-1 **Lab ID: 20144201071** Collected: 02/20/20 08:01 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**62.6**	mg/kg	0.45	1	02/28/20 12:19	03/03/20 20:08	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.9**	%	0.50	1		02/28/20 15:34		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: C-1-1N **Lab ID: 20144201072** Collected: 02/20/20 16:07 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**10.4**	mg/kg	0.39	1	02/28/20 12:19	03/03/20 20:12	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.2**	%	0.50	1		02/28/20 15:36		

Sample: C-1-2S **Lab ID: 20144201073** Collected: 02/20/20 16:11 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**4.6**	mg/kg	0.49	1	02/28/20 12:19	03/03/20 20:16	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.1**	%	0.50	1		02/28/20 15:37		

Sample: C-2-1 **Lab ID: 20144201074** Collected: 02/20/20 16:20 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**3.3**	mg/kg	0.50	1	02/28/20 12:19	03/03/20 20:20	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.9**	%	0.50	1		02/28/20 15:37		

Sample: C-3-1E **Lab ID: 20144201075** Collected: 02/20/20 16:28 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**22.3**	mg/kg	0.47	1	02/28/20 12:19	03/03/20 20:24	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.6**	%	0.50	1		02/28/20 15:38		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: C-3-2W **Lab ID: 20144201076** Collected: 02/20/20 16:32 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**0.84**	mg/kg	0.44	1	02/28/20 12:19	03/03/20 20:28	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.3**	%	0.50	1		02/28/20 15:40		

Sample: C-4-1 **Lab ID: 20144201077** Collected: 02/20/20 14:38 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**6.1**	mg/kg	0.35	1	02/28/20 12:19	03/03/20 20:32	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.6**	%	0.50	1		02/28/20 15:41		

Sample: C-5-1 **Lab ID: 20144201078** Collected: 02/20/20 14:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**10.2**	mg/kg	0.47	1	02/28/20 12:19	03/03/20 20:36	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**12.6**	%	0.50	1		02/28/20 15:42		

Sample: C-6-1 **Lab ID: 20144201079** Collected: 02/20/20 10:42 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**6.7**	mg/kg	0.32	1	02/28/20 12:19	03/03/20 20:40	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.4**	%	0.50	1		02/28/20 15:43		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: C-7-1N **Lab ID: 20144201080** Collected: 02/20/20 10:25 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**2.9**	mg/kg	0.50	1	02/28/20 12:19	03/03/20 21:08	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**17.2**	%	0.50	1		02/28/20 15:54		

Sample: C-7-2S **Lab ID: 20144201081** Collected: 02/20/20 10:14 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**3.0**	mg/kg	0.35	1	02/28/20 12:19	03/03/20 21:12	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.2**	%	0.50	1		02/29/20 14:07		

Sample: C-8-1 **Lab ID: 20144201082** Collected: 02/20/20 09:47 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**3.6**	mg/kg	0.54	1	02/28/20 12:19	03/03/20 21:16	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.1**	%	0.50	1		02/29/20 14:08		

Sample: C-9-1 **Lab ID: 20144201083** Collected: 02/20/20 16:45 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**16.1**	mg/kg	0.46	1	02/28/20 12:19	03/03/20 21:20	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.7**	%	0.50	1		02/29/20 14:09		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: C-10-1 **Lab ID: 20144201084** Collected: 02/20/20 13:55 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**7.0**	mg/kg	0.46	1	02/28/20 12:19	03/03/20 21:24	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.2**	%	0.50	1		02/29/20 14:10		

Sample: C-12-1 **Lab ID: 20144201085** Collected: 02/20/20 15:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**1.5**	mg/kg	0.44	1	02/28/20 12:19	03/03/20 21:28	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.4**	%	0.50	1		02/29/20 14:11		

Sample: C-13-1 **Lab ID: 20144201086** Collected: 02/20/20 15:05 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**4.8**	mg/kg	0.35	1	02/28/20 12:19	03/03/20 21:32	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.7**	%	0.50	1		02/29/20 14:12		

Sample: C-14-1 **Lab ID: 20144201087** Collected: 02/20/20 10:07 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**1.2**	mg/kg	0.53	1	02/28/20 12:19	03/03/20 21:36	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.2**	%	0.50	1		02/29/20 14:13		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: C-15-1 **Lab ID: 20144201088** Collected: 02/20/20 09:57 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**2.4**	mg/kg	0.31	1	02/28/20 12:19	03/03/20 21:53	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.0**	%	0.50	1		02/29/20 14:14		

Sample: C-16-1 **Lab ID: 20144201089** Collected: 02/20/20 13:45 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**29.4**	mg/kg	0.54	1	02/28/20 12:19	03/03/20 21:57	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.7**	%	0.50	1		02/29/20 14:15		

Sample: C-20-1 **Lab ID: 20144201090** Collected: 02/20/20 13:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**66.6**	mg/kg	0.84	2	02/28/20 12:19	03/03/20 22:01	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**14.7**	%	0.50	1		02/29/20 14:16		

Sample: C-24-1 **Lab ID: 20144201091** Collected: 02/20/20 13:17 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**33.9**	mg/kg	0.71	2	02/28/20 12:19	03/03/20 22:05	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.7**	%	0.50	1		02/29/20 14:16		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: D-1-1 **Lab ID: 20144201092** Collected: 02/20/20 10:53 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**6.2**	mg/kg	0.43	1	02/28/20 12:19	03/03/20 22:09	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.1**	%	0.50	1		02/29/20 14:17		

Sample: D-2-1 **Lab ID: 20144201093** Collected: 02/20/20 11:04 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**5.0**	mg/kg	0.53	1	02/28/20 12:19	03/03/20 22:13	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.8**	%	0.50	1		02/29/20 14:19		

Sample: D-3-1N **Lab ID: 20144201094** Collected: 02/21/20 07:30 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**4.5**	mg/kg	0.29	1	02/28/20 12:19	03/03/20 22:17	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**9.7**	%	0.50	1		02/29/20 14:22		

Sample: D-3-2C **Lab ID: 20144201095** Collected: 02/21/20 07:35 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**12.9**	mg/kg	0.55	1	02/28/20 12:19	03/03/20 22:21	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.3**	%	0.50	1		02/29/20 14:23		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: D-3-3S **Lab ID: 20144201096** Collected: 02/21/20 07:38 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**2.1**	mg/kg	0.37	1	02/28/20 12:19	03/03/20 22:25	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**5.6**	%	0.50	1		02/29/20 14:24		

Sample: D-4-1 **Lab ID: 20144201097** Collected: 02/21/20 07:57 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**4.6**	mg/kg	0.47	1	02/28/20 12:19	03/03/20 22:29	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.9**	%	0.50	1		02/29/20 14:25		

Sample: D-5-1 **Lab ID: 20144201098** Collected: 02/21/20 07:20 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**180**	mg/kg	0.47	1	02/28/20 12:19	03/03/20 22:45	7439-92-1	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 03/10/20 13:00							
Lead	ND	mg/L	0.20	1	03/11/20 09:38	03/11/20 17:08	7439-92-1	H2
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**4.7**	%	0.50	1		02/29/20 14:26		

Sample: D-6-1 **Lab ID: 20144201099** Collected: 02/21/20 09:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**31.3**	mg/kg	3.5	10	02/28/20 13:48	03/02/20 19:30	7439-92-1	M6,R1
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.4**	%	0.50	1		02/29/20 14:27		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: D-11-1 **Lab ID: 20144201100** Collected: 02/21/20 08:38 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**1.5**	mg/kg	0.40	1	02/28/20 13:48	03/02/20 19:47	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**6.5**	%	0.50	1		02/29/20 14:30		

Sample: D-12-1N **Lab ID: 20144201101** Collected: 02/21/20 08:08 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**11.4**	mg/kg	0.35	1	02/28/20 13:48	03/02/20 20:03	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**5.6**	%	0.50	1		02/29/20 14:31		

Sample: D-12-2S **Lab ID: 20144201102** Collected: 02/21/20 08:11 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**2.8**	mg/kg	0.29	1	02/28/20 13:48	03/02/20 20:07	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**1.8**	%	0.50	1		02/29/20 14:32		

Sample: D-13-1W **Lab ID: 20144201103** Collected: 02/21/20 09:18 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**3.6**	mg/kg	0.47	1	02/28/20 13:48	03/02/20 20:11	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.3**	%	0.50	1		02/29/20 14:32		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: D-13-2E **Lab ID: 20144201104** Collected: 02/21/20 09:22 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**14.4**	mg/kg	0.39	1	02/28/20 13:48	03/02/20 20:15	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**8.6**	%	0.50	1		02/29/20 14:33		

Sample: DUP **Lab ID: 20144201105** Collected: 02/18/20 00:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**88.0**	mg/kg	0.40	1	02/28/20 13:48	03/02/20 20:19	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**18.1**	%	0.50	1		02/29/20 14:34		

Sample: DUP2 **Lab ID: 20144201106** Collected: 02/20/20 00:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**3.2**	mg/kg	0.29	1	02/28/20 13:48	03/02/20 20:23	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**11.2**	%	0.50	1		02/29/20 14:34		

Sample: DUP3 **Lab ID: 20144201107** Collected: 02/20/20 00:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**16.0**	mg/kg	0.44	1	02/28/20 13:48	03/02/20 20:27	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.4**	%	0.50	1		02/29/20 14:35		

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20144201

Sample: DUP4 **Lab ID: 20144201108** Collected: 02/19/20 00:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**26.2**	mg/kg	0.43	1	02/28/20 13:48	03/02/20 20:31	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**10.2**	%	0.50	1		02/29/20 14:36		

Sample: DUP5 **Lab ID: 20144201109** Collected: 02/19/20 00:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**34.8**	mg/kg	0.48	1	02/28/20 13:48	03/02/20 20:35	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**15.0**	%	0.50	1		02/29/20 14:37		

Sample: DUP6 **Lab ID: 20144201110** Collected: 02/20/20 00:00 Received: 02/26/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**20.9**	mg/kg	0.51	1	02/28/20 13:48	03/02/20 20:39	7439-92-1	
Percent Moisture	Analytical Method: Moisture							
Percent Moisture	**13.1**	%	0.50	1		02/29/20 14:38		

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176839 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 20144201001, 20144201002, 20144201003, 20144201004, 20144201005, 20144201006, 20144201007, 20144201008, 20144201009, 20144201010, 20144201011, 20144201012, 20144201013, 20144201014, 20144201015, 20144201016, 20144201017, 20144201018, 20144201019

METHOD BLANK: 806460 | Matrix: Solid
Associated Lab Samples: 20144201001, 20144201002, 20144201003, 20144201004, 20144201005, 20144201006, 20144201007, 20144201008, 20144201009, 20144201010, 20144201011, 20144201012, 20144201013, 20144201014, 20144201015, 20144201016, 20144201017, 20144201018, 20144201019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/02/20 13:31	

LABORATORY CONTROL SAMPLE: 806461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	103	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 806462 806463

Parameter	Units	75126186001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	41.4	123	115	169	130	104	77	80-120	26	20	M6,R1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176853 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 20144201020, 20144201021, 20144201022, 20144201023, 20144201024, 20144201025, 20144201026, 20144201027, 20144201028, 20144201029, 20144201030, 20144201031, 20144201032, 20144201033, 20144201034, 20144201035, 20144201036, 20144201038, 20144201039, 20144201040

METHOD BLANK: 806568 | Matrix: Solid
Associated Lab Samples: 20144201020, 20144201021, 20144201022, 20144201023, 20144201024, 20144201025, 20144201026, 20144201027, 20144201028, 20144201029, 20144201030, 20144201031, 20144201032, 20144201033, 20144201034, 20144201035, 20144201036, 20144201038, 20144201039, 20144201040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/02/20 22:01	

LABORATORY CONTROL SAMPLE: 806569

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	104	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 806570 806571

Parameter	Units	20144201020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	45.2	1.2	118	1.5	157	-3710	95	80-120	196	20	M1,R1

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176953 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 20144201041, 20144201042, 20144201043, 20144201044, 20144201045, 20144201046, 20144201047, 20144201048, 20144201049, 20144201050, 20144201051, 20144201052, 20144201053, 20144201054, 20144201055, 20144201056, 20144201057, 20144201058

METHOD BLANK: 807028 | Matrix: Solid
Associated Lab Samples: 20144201041, 20144201042, 20144201043, 20144201044, 20144201045, 20144201046, 20144201047, 20144201048, 20144201049, 20144201050, 20144201051, 20144201052, 20144201053, 20144201054, 20144201055, 20144201056, 20144201057, 20144201058

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/02/20 13:23	

LABORATORY CONTROL SAMPLE: 807029

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	99.8	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 807030 807031

Parameter	Units	20144100001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	2.0	86.2	87.7	87.9	90.4	100	101	80-120	3	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176954 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 20144201059, 20144201060, 20144201061, 20144201062, 20144201063, 20144201064, 20144201065, 20144201066, 20144201067, 20144201068, 20144201069, 20144201070, 20144201071, 20144201072, 20144201073, 20144201074, 20144201075, 20144201076, 20144201077, 20144201078

METHOD BLANK: 807032 | Matrix: Solid
Associated Lab Samples: 20144201059, 20144201060, 20144201061, 20144201062, 20144201063, 20144201064, 20144201065, 20144201066, 20144201067, 20144201068, 20144201069, 20144201070, 20144201071, 20144201072, 20144201073, 20144201074, 20144201075, 20144201076, 20144201077, 20144201078

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/03/20 11:52	

LABORATORY CONTROL SAMPLE: 807033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	95.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 807034 807035

Parameter	Units	20144201059 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	74.3	88.7	96.2	124	144	56	72	80-120	15	20	M1

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176955 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 20144201079, 20144201080, 20144201081, 20144201082, 20144201083, 20144201084, 20144201085, 20144201086, 20144201087, 20144201088, 20144201089, 20144201090, 20144201091, 20144201092, 20144201093, 20144201094, 20144201095, 20144201096, 20144201097, 20144201098

METHOD BLANK: 807036 | Matrix: Solid
Associated Lab Samples: 20144201079, 20144201080, 20144201081, 20144201082, 20144201083, 20144201084, 20144201085, 20144201086, 20144201087, 20144201088, 20144201089, 20144201090, 20144201091, 20144201092, 20144201093, 20144201094, 20144201095, 20144201096, 20144201097, 20144201098

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/03/20 12:00	

LABORATORY CONTROL SAMPLE: 807037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	97.7	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 807038 807039

Parameter	Units	20144201079 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	6.7	62.9	64.2	58.2	62.1	82	86	80-120	6	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176957 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 20144201099, 20144201100, 20144201101, 20144201102, 20144201103, 20144201104, 20144201105, 20144201106, 20144201107, 20144201108, 20144201109, 20144201110

METHOD BLANK: 807046 | Matrix: Solid
Associated Lab Samples: 20144201099, 20144201100, 20144201101, 20144201102, 20144201103, 20144201104, 20144201105, 20144201106, 20144201107, 20144201108, 20144201109, 20144201110

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/02/20 14:10	

LABORATORY CONTROL SAMPLE: 807047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	102	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 807048 807049

Parameter	Units	20144201099 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	31.3	77.5	60.7	107	135	97	170	80-120	23	20	M6,R1

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 177616
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 20144201037

METHOD BLANK: 810829
Matrix: Solid
Associated Lab Samples: 20144201037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	03/05/20 15:09	

LABORATORY CONTROL SAMPLE: 810830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	100	104	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 810831 810832

Parameter	Units	20144201037 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	143	85.4	74.1	107	79.8	-42	-85	80-120	29	20	M1,R1

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 178155 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET TCLP
Associated Lab Samples: 20144201017, 20144201033, 20144201042, 20144201046, 20144201047, 20144201050, 20144201053

METHOD BLANK: 813577 | Matrix: Water
Associated Lab Samples: 20144201017, 20144201033, 20144201042, 20144201046, 20144201047, 20144201050, 20144201053

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.20	03/11/20 12:32	

METHOD BLANK: 812875 | Matrix: Water
Associated Lab Samples: 20144201017, 20144201033, 20144201042, 20144201046, 20144201047, 20144201050, 20144201053

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.20	03/11/20 12:48	

LABORATORY CONTROL SAMPLE: 813578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	2	2.0	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 813579 813580

Parameter	Units	20144201017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	ND	2	2	1.7	1.7	85	86	80-120	1	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 178322 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET TCLP
Associated Lab Samples: 20144201060, 20144201064, 20144201098

METHOD BLANK: 814673 | Matrix: Water
Associated Lab Samples: 20144201060, 20144201064, 20144201098

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.20	03/11/20 15:49	

METHOD BLANK: 813551 | Matrix: Water
Associated Lab Samples: 20144201060, 20144201064, 20144201098

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.20	03/11/20 16:39	

LABORATORY CONTROL SAMPLE: 814674

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	2	2.0	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 814675 814676

Parameter	Units	20142256001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	2.0	2	2	3.8	3.7	92	88	80-120	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176913 | Analysis Method: Moisture
QC Batch Method: Moisture | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 20144201001, 20144201002, 20144201003, 20144201004, 20144201005, 20144201006, 20144201007, 20144201008, 20144201009, 20144201010, 20144201011, 20144201012, 20144201013, 20144201014, 20144201015, 20144201016, 20144201017, 20144201018, 20144201019

SAMPLE DUPLICATE: 806905

Parameter	Units	20144201001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.8	11.0	2	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176914 | Analysis Method: Moisture
QC Batch Method: Moisture | Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 20144201020, 20144201021, 20144201022, 20144201023, 20144201024, 20144201025, 20144201026, 20144201027, 20144201028, 20144201029, 20144201030, 20144201031, 20144201032, 20144201033, 20144201034, 20144201035, 20144201036, 20144201038, 20144201039, 20144201040

SAMPLE DUPLICATE: 806908

Parameter	Units	20144201020 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.3	19.2	5	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176964 | Analysis Method: Moisture
QC Batch Method: Moisture | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 20144201041, 20144201042, 20144201043, 20144201044, 20144201045, 20144201046, 20144201047, 20144201048, 20144201049, 20144201050, 20144201051, 20144201052, 20144201053, 20144201054, 20144201055, 20144201056, 20144201057, 20144201058, 20144201062, 20144201063

SAMPLE DUPLICATE: 807081

Parameter	Units	20144201041 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.8	6.5	6	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 176988 | Analysis Method: Moisture
QC Batch Method: Moisture | Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 20144201059, 20144201060, 20144201061, 20144201064, 20144201065, 20144201066, 20144201067, 20144201068, 20144201069, 20144201070, 20144201071, 20144201072, 20144201073, 20144201074, 20144201075, 20144201076, 20144201077, 20144201078, 20144201079, 20144201080

SAMPLE DUPLICATE: 807222

Parameter	Units	20144201059 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.0	13.8	14	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 177037 | Analysis Method: Moisture
QC Batch Method: Moisture | Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 20144201081, 20144201082, 20144201083, 20144201084, 20144201085, 20144201086, 20144201087, 20144201088, 20144201089, 20144201090, 20144201091, 20144201092, 20144201093, 20144201094, 20144201095, 20144201096, 20144201097, 20144201098, 20144201099

SAMPLE DUPLICATE: 807565

Parameter	Units	20144201081 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.2	12.6	19	20	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 177039 | Analysis Method: Moisture
QC Batch Method: Moisture | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 20144201100, 20144201101, 20144201102, 20144201103, 20144201104, 20144201105, 20144201106, 20144201107, 20144201108, 20144201109, 20144201110

SAMPLE DUPLICATE: 807570

Parameter	Units	20144201100 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.5	7.7	17	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20144201

QC Batch: 177572
QC Batch Method: Moisture
Analysis Method: Moisture
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 20144201037

SAMPLE DUPLICATE: 810560

Parameter	Units	20144201037 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10	10.4	4	20	

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QUALIFIERS

Project: Former Fairfax Mill
Pace Project No.: 20144201

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

LABORATORIES

PASI-N	Pace Analytical Services - New Orleans

ANALYTE QUALIFIERS

H2	Extraction or preparation conducted outside EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20144201001	A-3-1	EPA 3050	176839	EPA 6010	177010
20144201002	A-4-1	EPA 3050	176839	EPA 6010	177010
20144201003	A-5-1	EPA 3050	176839	EPA 6010	177010
20144201004	A-7-1N	EPA 3050	176839	EPA 6010	177010
20144201005	A-7-2S	EPA 3050	176839	EPA 6010	177010
20144201006	A-8-1	EPA 3050	176839	EPA 6010	177010
20144201007	A-9-1	EPA 3050	176839	EPA 6010	177010
20144201008	A-10-1	EPA 3050	176839	EPA 6010	177010
20144201009	A-12-1	EPA 3050	176839	EPA 6010	177010
20144201010	A-13-1	EPA 3050	176839	EPA 6010	177010
20144201011	A-14-1	EPA 3050	176839	EPA 6010	177010
20144201012	A-15-1S	EPA 3050	176839	EPA 6010	177010
20144201013	A-15-2N	EPA 3050	176839	EPA 6010	177010
20144201014	A-16-1	EPA 3050	176839	EPA 6010	177010
20144201015	A-17-1	EPA 3050	176839	EPA 6010	177010
20144201016	A-18-1	EPA 3050	176839	EPA 6010	177010
20144201017	A-19-1	EPA 3050	176839	EPA 6010	177010
20144201018	A-22-1W	EPA 3050	176839	EPA 6010	177010
20144201019	A-22-2E	EPA 3050	176839	EPA 6010	177010
20144201020	A-23-1	EPA 3050	176853	EPA 6010	177011
20144201021	A-25-1N	EPA 3050	176853	EPA 6010	177011
20144201022	A-25-2E	EPA 3050	176853	EPA 6010	177011
20144201023	A-25-3W	EPA 3050	176853	EPA 6010	177011
20144201024	A-25-4S	EPA 3050	176853	EPA 6010	177011
20144201025	A-25-5C	EPA 3050	176853	EPA 6010	177011
20144201026	A-28-1N	EPA 3050	176853	EPA 6010	177011
20144201027	A-28-2S	EPA 3050	176853	EPA 6010	177011
20144201028	A-29-1	EPA 3050	176853	EPA 6010	177011
20144201029	A-30-1	EPA 3050	176853	EPA 6010	177011
20144201030	A-31-1	EPA 3050	176853	EPA 6010	177011
20144201031	A-33-1	EPA 3050	176853	EPA 6010	177011
20144201032	A-34-1	EPA 3050	176853	EPA 6010	177011
20144201033	B-1-1	EPA 3050	176853	EPA 6010	177011
20144201034	B-2-1E	EPA 3050	176853	EPA 6010	177011
20144201035	B-2-2C	EPA 3050	176853	EPA 6010	177011
20144201036	B-2-3W	EPA 3050	176853	EPA 6010	177011
20144201037	B-3-1S	EPA 3050	177616	EPA 6010	177716
20144201038	B-3-2N	EPA 3050	176853	EPA 6010	177011
20144201039	B-4-1N	EPA 3050	176853	EPA 6010	177011
20144201040	B-4-2S	EPA 3050	176853	EPA 6010	177011
20144201041	B-4-3E	EPA 3050	176953	EPA 6010	177030
20144201042	B-4-4W	EPA 3050	176953	EPA 6010	177030
20144201043	B-5-1	EPA 3050	176953	EPA 6010	177030
20144201044	B-6-1N	EPA 3050	176953	EPA 6010	177030
20144201045	B-6-2S	EPA 3050	176953	EPA 6010	177030
20144201046	B-8-1N	EPA 3050	176953	EPA 6010	177030
20144201047	B-8-2S	EPA 3050	176953	EPA 6010	177030

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20144201048	**B-9-1**	EPA 3050	176953	EPA 6010	177030
20144201049	**B-10-1**	EPA 3050	176953	EPA 6010	177030
20144201050	**B-11-1N**	EPA 3050	176953	EPA 6010	177030
20144201051	**B-11-2C**	EPA 3050	176953	EPA 6010	177030
20144201052	**B-11-3S**	EPA 3050	176953	EPA 6010	177030
20144201053	**B-12-1**	EPA 3050	176953	EPA 6010	177030
20144201054	**B-13-1**	EPA 3050	176953	EPA 6010	177030
20144201055	**B-14-1**	EPA 3050	176953	EPA 6010	177030
20144201056	**B-15-1**	EPA 3050	176953	EPA 6010	177030
20144201057	**B-16-1**	EPA 3050	176953	EPA 6010	177030
20144201058	**B-17-1**	EPA 3050	176953	EPA 6010	177030
20144201059	**B-18-1**	EPA 3050	176954	EPA 6010	177027
20144201060	**B-19-1**	EPA 3050	176954	EPA 6010	177027
20144201061	**B-20-1**	EPA 3050	176954	EPA 6010	177027
20144201062	**B-21-1**	EPA 3050	176954	EPA 6010	177027
20144201063	**B-22-1**	EPA 3050	176954	EPA 6010	177027
20144201064	**B-23-1**	EPA 3050	176954	EPA 6010	177027
20144201065	**B-24-1**	EPA 3050	176954	EPA 6010	177027
20144201066	**B-25-1**	EPA 3050	176954	EPA 6010	177027
20144201067	**B-26-1N**	EPA 3050	176954	EPA 6010	177027
20144201068	**B-26-2S**	EPA 3050	176954	EPA 6010	177027
20144201069	**B-27-1**	EPA 3050	176954	EPA 6010	177027
20144201070	**B-28-1**	EPA 3050	176954	EPA 6010	177027
20144201071	**B-29-1**	EPA 3050	176954	EPA 6010	177027
20144201072	**C-1-1N**	EPA 3050	176954	EPA 6010	177027
20144201073	**C-1-2S**	EPA 3050	176954	EPA 6010	177027
20144201074	**C-2-1**	EPA 3050	176954	EPA 6010	177027
20144201075	**C-3-1E**	EPA 3050	176954	EPA 6010	177027
20144201076	**C-3-2W**	EPA 3050	176954	EPA 6010	177027
20144201077	**C-4-1**	EPA 3050	176954	EPA 6010	177027
20144201078	**C-5-1**	EPA 3050	176954	EPA 6010	177027
20144201079	**C-6-1**	EPA 3050	176955	EPA 6010	177028
20144201080	**C-7-1N**	EPA 3050	176955	EPA 6010	177028
20144201081	**C-7-2S**	EPA 3050	176955	EPA 6010	177028
20144201082	**C-8-1**	EPA 3050	176955	EPA 6010	177028
20144201083	**C-9-1**	EPA 3050	176955	EPA 6010	177028
20144201084	**C-10-1**	EPA 3050	176955	EPA 6010	177028
20144201085	**C-12-1**	EPA 3050	176955	EPA 6010	177028
20144201086	**C-13-1**	EPA 3050	176955	EPA 6010	177028
20144201087	**C-14-1**	EPA 3050	176955	EPA 6010	177028
20144201088	**C-15-1**	EPA 3050	176955	EPA 6010	177028
20144201089	**C-16-1**	EPA 3050	176955	EPA 6010	177028
20144201090	**C-20-1**	EPA 3050	176955	EPA 6010	177028
20144201091	**C-24-1**	EPA 3050	176955	EPA 6010	177028
20144201092	**D-1-1**	EPA 3050	176955	EPA 6010	177028
20144201093	**D-2-1**	EPA 3050	176955	EPA 6010	177028
20144201094	**D-3-1N**	EPA 3050	176955	EPA 6010	177028
20144201095	**D-3-2C**	EPA 3050	176955	EPA 6010	177028

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20144201096	**D-3-3S**	EPA 3050	176955	EPA 6010	177028
20144201097	**D-4-1**	EPA 3050	176955	EPA 6010	177028
20144201098	**D-5-1**	EPA 3050	176955	EPA 6010	177028
20144201099	**D-6-1**	EPA 3050	176957	EPA 6010	177031
20144201100	**D-11-1**	EPA 3050	176957	EPA 6010	177031
20144201101	**D-12-1N**	EPA 3050	176957	EPA 6010	177031
20144201102	**D-12-2S**	EPA 3050	176957	EPA 6010	177031
20144201103	**D-13-1W**	EPA 3050	176957	EPA 6010	177031
20144201104	**D-13-2E**	EPA 3050	176957	EPA 6010	177031
20144201105	**DUP**	EPA 3050	176957	EPA 6010	177031
20144201106	**DUP2**	EPA 3050	176957	EPA 6010	177031
20144201107	**DUP3**	EPA 3050	176957	EPA 6010	177031
20144201108	**DUP4**	EPA 3050	176957	EPA 6010	177031
20144201109	**DUP5**	EPA 3050	176957	EPA 6010	177031
20144201110	**DUP6**	EPA 3050	176957	EPA 6010	177031
20144201017	**A-19-1**	EPA 3010	178155	EPA 6010	178254
20144201033	**B-1-1**	EPA 3010	178155	EPA 6010	178254
20144201042	**B-4-4W**	EPA 3010	178155	EPA 6010	178254
20144201046	**B-8-1N**	EPA 3010	178155	EPA 6010	178254
20144201047	**B-8-2S**	EPA 3010	178155	EPA 6010	178254
20144201050	**B-11-1N**	EPA 3010	178155	EPA 6010	178254
20144201053	**B-12-1**	EPA 3010	178155	EPA 6010	178254
20144201060	**B-19-1**	EPA 3010	178322	EPA 6010	178388
20144201064	**B-23-1**	EPA 3010	178322	EPA 6010	178388
20144201098	**D-5-1**	EPA 3010	178322	EPA 6010	178388
20144201001	**A-3-1**	Moisture	176913		
20144201002	**A-4-1**	Moisture	176913		
20144201003	**A-5-1**	Moisture	176913		
20144201004	**A-7-1N**	Moisture	176913		
20144201005	**A-7-2S**	Moisture	176913		
20144201006	**A-8-1**	Moisture	176913		
20144201007	**A-9-1**	Moisture	176913		
20144201008	**A-10-1**	Moisture	176913		
20144201009	**A-12-1**	Moisture	176913		
20144201010	**A-13-1**	Moisture	176913		
20144201011	**A-14-1**	Moisture	176913		
20144201012	**A-15-1S**	Moisture	176913		
20144201013	**A-15-2N**	Moisture	176913		
20144201014	**A-16-1**	Moisture	176913		
20144201015	**A-17-1**	Moisture	176913		
20144201016	**A-18-1**	Moisture	176913		
20144201017	**A-19-1**	Moisture	176913		
20144201018	**A-22-1W**	Moisture	176913		
20144201019	**A-22-2E**	Moisture	176913		
20144201020	**A-23-1**	Moisture	176914		
20144201021	**A-25-1N**	Moisture	176914		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20144201022	**A-25-2E**	Moisture	176914		
20144201023	**A-25-3W**	Moisture	176914		
20144201024	**A-25-4S**	Moisture	176914		
20144201025	**A-25-5C**	Moisture	176914		
20144201026	**A-28-1N**	Moisture	176914		
20144201027	**A-28-2S**	Moisture	176914		
20144201028	**A-29-1**	Moisture	176914		
20144201029	**A-30-1**	Moisture	176914		
20144201030	**A-31-1**	Moisture	176914		
20144201031	**A-33-1**	Moisture	176914		
20144201032	**A-34-1**	Moisture	176914		
20144201033	**B-1-1**	Moisture	176914		
20144201034	**B-2-1E**	Moisture	176914		
20144201035	**B-2-2C**	Moisture	176914		
20144201036	**B-2-3W**	Moisture	176914		
20144201037	**B-3-1S**	Moisture	177572		
20144201038	**B-3-2N**	Moisture	176914		
20144201039	**B-4-1N**	Moisture	176914		
20144201040	**B-4-2S**	Moisture	176914		
20144201041	**B-4-3E**	Moisture	176964		
20144201042	**B-4-4W**	Moisture	176964		
20144201043	**B-5-1**	Moisture	176964		
20144201044	**B-6-1N**	Moisture	176964		
20144201045	**B-6-2S**	Moisture	176964		
20144201046	**B-8-1N**	Moisture	176964		
20144201047	**B-8-2S**	Moisture	176964		
20144201048	**B-9-1**	Moisture	176964		
20144201049	**B-10-1**	Moisture	176964		
20144201050	**B-11-1N**	Moisture	176964		
20144201051	**B-11-2C**	Moisture	176964		
20144201052	**B-11-3S**	Moisture	176964		
20144201053	**B-12-1**	Moisture	176964		
20144201054	**B-13-1**	Moisture	176964		
20144201055	**B-14-1**	Moisture	176964		
20144201056	**B-15-1**	Moisture	176964		
20144201057	**B-16-1**	Moisture	176964		
20144201058	**B-17-1**	Moisture	176964		
20144201059	**B-18-1**	Moisture	176988		
20144201060	**B-19-1**	Moisture	176988		
20144201061	**B-20-1**	Moisture	176988		
20144201062	**B-21-1**	Moisture	176964		
20144201063	**B-22-1**	Moisture	176964		
20144201064	**B-23-1**	Moisture	176988		
20144201065	**B-24-1**	Moisture	176988		
20144201066	**B-25-1**	Moisture	176988		
20144201067	**B-26-1N**	Moisture	176988		

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Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Fairfax Mill
Pace Project No.: 20144201

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20144201068	B-26-2S	Moisture	176988		
20144201069	B-27-1	Moisture	176988		
20144201070	B-28-1	Moisture	176988		
20144201071	B-29-1	Moisture	176988		
20144201072	C-1-1N	Moisture	176988		
20144201073	C-1-2S	Moisture	176988		
20144201074	C-2-1	Moisture	176988		
20144201075	C-3-1E	Moisture	176988		
20144201076	C-3-2W	Moisture	176988		
20144201077	C-4-1	Moisture	176988		
20144201078	C-5-1	Moisture	176988		
20144201079	C-6-1	Moisture	176988		
20144201080	C-7-1N	Moisture	176988		
20144201081	C-7-2S	Moisture	177037		
20144201082	C-8-1	Moisture	177037		
20144201083	C-9-1	Moisture	177037		
20144201084	C-10-1	Moisture	177037		
20144201085	C-12-1	Moisture	177037		
20144201086	C-13-1	Moisture	177037		
20144201087	C-14-1	Moisture	177037		
20144201088	C-15-1	Moisture	177037		
20144201089	C-16-1	Moisture	177037		
20144201090	C-20-1	Moisture	177037		
20144201091	C-24-1	Moisture	177037		
20144201092	D-1-1	Moisture	177037		
20144201093	D-2-1	Moisture	177037		
20144201094	D-3-1N	Moisture	177037		
20144201095	D-3-2C	Moisture	177037		
20144201096	D-3-3S	Moisture	177037		
20144201097	D-4-1	Moisture	177037		
20144201098	D-5-1	Moisture	177037		
20144201099	D-6-1	Moisture	177037		
20144201100	D-11-1	Moisture	177039		
20144201101	D-12-1N	Moisture	177039		
20144201102	D-12-2S	Moisture	177039		
20144201103	D-13-1W	Moisture	177039		
20144201104	D-13-2E	Moisture	177039		
20144201105	DUP	Moisture	177039		
20144201106	DUP2	Moisture	177039		
20144201107	DUP3	Moisture	177039		
20144201108	DUP4	Moisture	177039		
20144201109	DUP5	Moisture	177039		
20144201110	DUP6	Moisture	177039		

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WO# : 20144201

20144201

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Re

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Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone: 205-836-5650	Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	State / Location
	AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	A-3-1	SL	G			2/18/20	9:05		1	X								X	X		Hold TCLP Pb
2	A-4-1	SL	G			2/18/20	9:45		1	X								X	X		Hold TCLP Pb
3	A-5-1	SL	G			2/18/20	13:59		1	X								X	X		Hold TCLP Pb
4	A-7-1N	SL	G			2/18/20	10:15		1	X								X	X		Hold TCLP Pb
5	A-7-2S	SL	G			2/18/20	10:19		1	X								X	X		Hold TCLP Pb
6	A-8-1	SL	G			2/18/20	10:39		1	X								X	X		Hold TCLP Pb
7	A-9-1	SL	G			2/18/20	11:01		1	X								X	X		Hold TCLP Pb
8	A-10-1	SL	G			2/18/20	12:28		1	X								X	X		Hold TCLP Pb
9	A-12-1	SL	G			2/18/20	12:47		1	X								X	X		Hold TCLP Pb
10	A-13-1	SL	G			2/18/20	13:00		1	X								X	X		Hold TCLP Pb
11	A-14-1	SL	G			2/18/20	16:32		1	X								X	X		Hold TCLP Pb
12	A-15-1S	SL	G			2/18/20	15:55		1	X								X	X		Hold TCLP Pb

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Conn Gaston	2-21-20	17:20	Office	2/21/20	1720				
	M W Dillon	2-24-20	1404	Jerry Dips Pace	2-24-20	14:04				
	Jerry Dips Pace	2-25-20	1030	Fed Ex	2-25-20	1030				
	Fed Ex	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	State / Location
	AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCL	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	A-15-2N	SL	G			2/18/20	16:01		1	X									X	X		Hold TCLP Pb
2	A-16-1	SL	G			2/18/20	15:50		1	X									X	X		Hold TCLP Pb
3	A-17-1	SL	G			2/18/20	15:47		1	X									X	X		Hold TCLP Pb
4	A-18-1	SL	G			2/18/20	13:20		1	X									X	X		Hold TCLP Pb
5	A-19-1	SL	G			2/18/20	13:32		1	X									X	X		Hold TCLP Pb
6	A-22-1W	SL	G			2/18/20	15:15		1	X									X	X		Hold TCLP Pb
7	A-22-2E	SL	G			2/18/20	15:24		1	X									X	X		Hold TCLP Pb
8	A-23-1	SL	G			2/19/20	9:46		1	X									X	X		Hold TCLP Pb
9	A-25-1N	SL	G			2/18/20	9:20		1	X									X	X		Hold TCLP Pb
10	A-25-2E	SL	G			2/19/20	9:21		1	X									X	X		Hold TCLP Pb
11	A-25-3W	SL	G			2/19/20	9:24		1	X									X	X		Hold TCLP Pb
12	A-25-4S	SL	G			2/19/20	9:27		1	X									X	X		Hold TCLP Pb

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Conn Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	14:04				
	[illegible] Pace	2-25-20	1030	[illegible]	2-25-20	1030				
	[illegible]	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

Pace Analytical

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Purchase Order #:	40096601-T04
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Project #:	40096601-T04

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Regulatory Agency
State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Requested Analysis Filtered (Y/N)): Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	A-25-5C	SL	G			2/19/20	9:25		1	X								X	X		
2	A-28-1N	SL	G			2/19/20	8:50		1	X								X	X		Hold TCLP Pb
3	A-28-2S	SL	G			2/19/20	8:54		1	X								X	X		Hold TCLP Pb
4	A-29-1	SL	G			2/19/20	8:58		1	X								X	X		Hold TCLP Pb
5	A-30-1	SL	G			2/19/20	8:00		1	X								X	X		Hold TCLP Pb
6	A-31-1	SL	G			2/19/20	7:50		1	X								X	X		Hold TCLP Pb
7	A-33-1	SL	G			2/19/20	7:35		1	X								X	X		Hold TCLP Pb
8	A-34-1	SL	G			2/19/20	8:20		1	X								X	X		Hold TCLP Pb
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	Jerry Dipes Pace	2-24-20	14:04				
	Jerry Dipes Pace	2-25-20	1030	Ted Go	2-25-20	1030				
	[illegible]	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

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Project #:	40096601-T04

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Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency

State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	B-1-1	SL	G			2/19/20	14:50		1	X									X	X		Hold TCLP Pb
2	B-2-1E	SL	G			2/19/20	15:35		1	X									X	X		Hold TCLP Pb
3	B-2-2C	SL	G			2/19/20	15:40		1	X									X	X		Hold TCLP Pb
4	B-2-3W	SL	G			2/19/20	15:37		1	X									X	X		Hold TCLP Pb
5	B-3-1S	SL	G			2/19/20	14:54		1	X									X	X		Hold TCLP Pb
6	B-3-2N	SL	G			2/19/20	14:57		1	X									X	X		Hold TCLP Pb
7	B-4-1N	SL	G			2/19/20	15:18		1	X									X	X		Hold TCLP Pb
8	B-4-2S	SL	G			2/19/20	15:12		1	X									X	X		Hold TCLP Pb
9	B-4-3E	SL	G			2/19/20	15:16		1	X									X	X		Hold TCLP Pb
10	B-4-4W	SL	G			2/19/20	15:14		1	X									X	X		Hold TCLP Pb
11	B-5-1	SL	G			2/19/20	15:51		1	X									X	X		Hold TCLP Pb
12	B-6-1N	SL	G			2/19/20	12:33		1	X									X	X		Hold TCLP Pb

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Hold TCLP Pb Pending Total Pb Analysis	Conn Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	Jenny Sims Pace	2-24-20	1404				
	[illegible] Pace	2-25-20	1030	Fed Ex	2-25-20	1030				
	Fed Ex	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

CHAIN-OF-CUSTODY / Analytical Request Document

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Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
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Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	
State / Location	AL

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	B-6-2S	SL	G			2/19/20	12:36		1	X									X	X		Hold TCLP Pb
2	B-8-1N	SL	G			2/19/20	16:05		1	X									X	X		Hold TCLP Pb
3	B-8-2S	SL	G			2/19/20	16:00		1	X									X	X		Hold TCLP Pb
4	B-9-1	SL	G			2/19/20	12:18		1	X									X	X		Hold TCLP Pb
5	B-10-1	SL	G			2/19/20	14:33		1	X									X	X		Hold TCLP Pb
6	B-11-1N	SL	G			2/19/20	16:23		1	X									X	X		Hold TCLP Pb
7	B-11-2C	SL	G			2/19/20	16:32		1	X									X	X		Hold TCLP Pb
8	B-11-3S	SL	G			2/19/20	16:37		1	X									X	X		Hold TCLP Pb
9	B-12-1	SL	G			2/19/20	12:05		1	X									X	X		Hold TCLP Pb
10	B-13-1	SL	G			2/19/20	10:40		1	X									X	X		Hold TCLP Pb
11	B-14-1	SL	G			2/19/20	14:08		1	X									X	X		Hold TCLP Pb
12	B-15-1	SL	G			2/19/20	14:17		1	X									X	X		Hold TCLP Pb

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Hold TCLP Pb Pending Total Pb Analysis	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404
	[illegible] Pace	2-25-20	1030	[illegible]	2-25-20	1030
	[illegible]	2-26-20	0830	[illegible]	2-26-20	0830

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
AMB	N	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	PPM Consultants Inc.
Address:	5555 Bankhead Highway
	Birmingham, AL 35210
Email:	Mike.dillon@ppmco.com
Phone:	205-836-5650 Fax: 205-836-5249
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mike Dillon
Copy To:	
Purchase Order #:	40096601-T04
Project Name:	Former Fairfax Mill
Project #:	40096601-T04

Section C
Invoice Information:

Attention:	AP.BH@ppmco.com
Company Name:	PPM Consultants, Inc.
Address:	5555 Bankhead Highway, Birmingham, AL 35210
Pace Quote:	082318_PPM_RaceTrac Multi Phase II
Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency

State / Location
AL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	B-16-1	SL	G			2/19/20	14:13		1	X									X	X		Hold TCLP Pb
2	B-17-1	SL	G			2/19/20	10:35		1	X									X	X		Hold TCLP Pb
3	B-18-1	SL	G			2/19/20	13:50		1	X									X	X		Hold TCLP Pb
4	B-19-1	SL	G			2/20/20	7:48		1	X									X	X		Hold TCLP Pb
5	B-20-1	SL	G			2/19/20	10:15		1	X									X	X		Hold TCLP Pb
6	B-21-1	SL	G			2/20/20	7:50		1	X									X	X		Hold TCLP Pb
7	B-22-1	SL	G			2/19/20	10:18		1	X									X	X		Hold TCLP Pb
8	B-23-1	SL	G			2/19/20	13:35		1	X									X	X		Hold TCLP Pb
9	B-24-1	SL	G			2/19/20	10:21		1	X									X	X		Hold TCLP Pb
10	B-25-1	SL	G			2/19/20	13:30		1	X									X	X		Hold TCLP Pb
11	B-26-1N	SL	G			2/19/20	13:18		1	X									X	X		Hold TCLP Pb
12	B-26-2S	SL	G			2/19/20	13:20		1	X									X	X		Hold TCLP Pb

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404				
	[illegible] Pace	2-25-20	1030	[illegible]	2-25-20	1030				
	Fed Ex	2-26-20	0830	[illegible]	2-26-20	0830	Amb	N	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

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Regulatory Agency	State / Location
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One Character per box.
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Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
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Air	AR
Other	OT
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1	B-27-1	SL	G			2/20/20	8:29		1	X								X	X		Hold TCLP Pb
2	B-28-1	SL	G			2/19/20	13:45		1	X								X	X		Hold TCLP Pb
3	B-29-1	SL	G			2/20/20	8:01		1	X								X	X		Hold TCLP Pb
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404				
	[illegible] Pace	2-25-20	1630	[illegible]	2-25-20	1630				
	[illegible]	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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Purchase Order #:	40096601-T04
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Pace Project Manager:	Melissa.MacNaughton@pacelabs.com
Pace Profile #:	

Regulatory Agency	State / Location
	AL

MATRIX CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	C-1-1N	SL	G			2/20/20	16:07		1	X									X	X		Hold TCLP Pb
2	C-1-2S	SL	G			2/20/20	16:11		1	X									X	X		Hold TCLP Pb
3	C-2-1	SL	G			2/20/20	16:20		1	X									X	X		Hold TCLP Pb
4	C-3-1E	SL	G			2/20/20	16:28		1	X									X	X		Hold TCLP Pb
5	C-3-2W	SL	G			2/20/20	16:32		1	X									X	X		Hold TCLP Pb
6	C-4-1	SL	G			2/20/20	14:38		1	X									X	X		Hold TCLP Pb
7	C-5-1	SL	G			2/20/20	14:35		1	X									X	X		Hold TCLP Pb
8	C-6-1	SL	G			2/20/20	10:42		1	X									X	X		Hold TCLP Pb
9	C-7-1N	SL	G			2/20/20	10:25		1	X									X	X		Hold TCLP Pb
10	C-7-2S	SL	G			2/20/20	10:14		1	X									X	X		Hold TCLP Pb
11	C-8-1	SL	G			2/20/20	9:47		1	X									X	X		Hold TCLP Pb
12	C-9-1	SL	G			2/20/20	16:45		1	X									X	X		Hold TCLP Pb

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	[illegible]	2-24-20	1404				
	[illegible]	2-24-20	1030	[illegible]	2-25-20	1030				
	[illegible]	2-26-2020	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Gaston

SIGNATURE of SAMPLER:

DATE Signed:

Pace Analytical

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State / Location
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MATRIX	CODE
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Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Total Lead	TCLP Lead	Residual Chlorine (Y/N)	
1	C-10-1	SL	G			2/20/20	13:55		1	X									X	X		Hold TCLP Pb
2	C-12-1	SL	G			2/20/20	15:00		1	X									X	X		Hold TCLP Pb
3	C-13-1	SL	G			2/20/20	15:05		1	X									X	X		Hold TCLP Pb
4	C-14-1	SL	G			2/20/20	10:07		1	X									X	X		Hold TCLP Pb
5	C-15-1	SL	G			2/20/20	9:57		1	X									X	X		Hold TCLP Pb
6	C-16-1	SL	G			2/20/20	13:45		1	X									X	X		Hold TCLP Pb
7	C-20-1	SL	G			2/20/20	13:35		1	X									X	X		Hold TCLP Pb
8	C-24-1	SL	G			2/20/20	13:17		1	X									X	X		Hold TCLP Pb
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Conn [signature]	2-21-20	17:20	Office	2/21/20	1720				
	[signature]	2-24-20	1404	[signature] Pace	2-24-20	1404				
	[signature] Pace	2-25-20	1030	[signature] Fed Ex	2-25-20	1030				
	[signature]	2-26-20	0830	[signature]	2-26-20	0830	Amb	N	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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Regulatory Agency	
State / Location	AL

Requested Analysis Filtered (Y/N)

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1	D-1-1	SL	G			2/20/20	10:53		1										X	X		Hold TCLP Pb
2	D-2-1	SL	G			2/20/20	11:04		1										X	X		Hold TCLP Pb
3	D-3-1N	SL	G			2/21/20	7:30		1										X	X		Hold TCLP Pb
4	D-3-2C	SL	G			2/21/20	7:35		1										X	X		Hold TCLP Pb
5	D-3-3S	SL	G			2/21/20	7:38		1										X	X		Hold TCLP Pb
6	D-4-1	SL	G			2/21/20	7:57		1										X	X		Hold TCLP Pb
7	D-5-1	SL	G			2/21/20	7:20		1										X	X		Hold TCLP Pb
8	D-6-1	SL	G			2/21/20	9:00		1										X	X		Hold TCLP Pb
9	D-11-1	SL	G			2/21/20	8:38		1										X	X		Hold TCLP Pb
10	D-12-1N	SL	G			2/21/20	8:08		1										X	X		Hold TCLP Pb
11	D-12-2S	SL	G			2/21/20	8:11		1										X	X		Hold TCLP Pb
12	D-13-1W	SL	G			2/21/20	9:18		1										X	X		Hold TCLP Pb

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Connor Gaston	2-21-20	17:20	Office	2/21/20	1720				
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404				
	[illegible] Pace	2-25-20	1030	[illegible] Fed Ex	2-25-20	1030				
	Fed Ex	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Connor Gaston
SIGNATURE of SAMPLER:	DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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State / Location	AL

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1	D-13-2E	SL	G			2/21/20	9:22		1	X									X	X		Hold TCLP Pb
2	Dup	SL	G			2/18/20	-		1	X									X	X		Hold TCLP Pb
3	Dup2	SL	G			2/20/20	-		1	X									X	X		Hold TCLP Pb
4	Dup3	SL	G			2/20/20	-		1	X									X	X		Hold TCLP Pb
5	Dup4	SL	G			2/19/20	-		1	X									X	X		Hold TCLP Pb
6	Dup5	SL	G			2/19/20	-		1	X									X	X		Hold TCLP Pb
7	Dup6	SL	G			2/20/20	-		1	X									X	X		Hold TCLP Pb
8																						
9																						
10																						
11																						
12																						

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold TCLP Pb Pending Total Pb Analysis	Conn Gaston	2-21-20	17:20	office	2-21-20	17:20				
	[illegible]	2-24-20	1404	[illegible] Pace	2-24-20	1404				
	[illegible] Pace	2-25-20	1030	[illegible]	2-25-20	1030				
	[illegible] FedEx	2-26-20	0830	[illegible]	2-26-20	0830	AMB	N	Y	Y

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Connor Gaston
SIGNATURE of SAMPLER:	DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Condition Upon Re

WO#: 20144201

PM: MM1 Due Date: 03/04/20

Proje CLIENT: 20-PPMBIR-MU

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☑ Yes ☐ No

Therometer Used: ☐ Therm Fisher IR 7 ☑ Therm Fisher IR 10

Type of Ice: Wet Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: PH 2.27.20

Temp must be measured from Temperature blank when present

				Comments:
Temperature Blank Present"?	☐ Yes	☑ No	☐ N/A	1
Chain of Custody Present:	☑ Yes	☐ No	☐ N/A	2
Chain of Custody Complete:	☑ Yes	☐ No	☐ N/A	3
Chain of Custody Relinquished:	☑ Yes	☐ No	☐ N/A	4
Sampler Name & Signature on COC:	☐ Yes	☑ No	☐ N/A	5
Samples Arrived within Hold Time:	☑ Yes	☐ No	☐ N/A	6
Sufficient Volume:	☑ Yes	☐ No	☐ N/A	7
Correct Containers Used:	☑ Yes	☐ No	☐ N/A	8
Filtered vol. Rec. for Diss. tests	☐ Yes	☐ No	☑ N/A	9
Sample Labels match COC:	☑ Yes	☐ No	☐ N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☑ Yes	☐ No	☐ N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐ Yes	☐ No	☑ N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐ Yes	☐ No	☑ N/A	13 If No, was preserative added? ☐ Yes ☐ No If added record lot no.: HNO_3 _____ H_2SO_4 _____
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	14
Trip Blank Present:	☐ Yes	☑ No		15

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

April 13, 2020

Mike Dillon
PPM Consultants
5555 Bankhead Hwy
Birmingham, AL 35210

RE: Project: Former Fairfax Mill
Pace Project No.: 20149733

Dear Mike Dillon:

Enclosed are the analytical results for sample(s) received by the laboratory on April 08, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - New Orleans

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Melissa MacNaughton

Melissa MacNaughton
melissa.macnaughton@pacelabs.com
(504)469-0333
Project Manager

Enclosures

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: Former Fairfax Mill
Pace Project No.: 20149733

Pace Analytical Services New Orleans

California Env. Lab Accreditation Program Branch: 11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Pennsylviania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC): T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-00119
Commonwealth of Virginia (TNI): 480246

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St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: Former Fairfax Mill
Pace Project No.: 20149733

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20149733001	**B-3-1S**	Solid	04/03/20 11:30	04/08/20 09:00

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SAMPLE ANALYTE COUNT

Project: Former Fairfax Mill
Pace Project No.: 20149733

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20149733001	**B-3-1S**	EPA 6010	MHB1	1	PASI-N

PASI-N = Pace Analytical Services - New Orleans

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PROJECT NARRATIVE

Project: Former Fairfax Mill
Pace Project No.: 20149733

Method: **EPA 6010**
Description: 6010 Metals, TCLP
Client: PPM BIRMINGHAM
Date: April 13, 2020

General Information:
1 sample was analyzed for EPA 6010 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Former Fairfax Mill
Pace Project No.: 20149733

Sample: B-3-1S **Lab ID: 20149733001** Collected: 04/03/20 11:30 Received: 04/08/20 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 04/09/20 13:00 Pace Analytical Services - New Orleans							
Lead	ND	mg/L	0.20	1	04/10/20 10:04	04/10/20 19:07	7439-92-1	

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QUALITY CONTROL DATA

Project: Former Fairfax Mill
Pace Project No.: 20149733

QC Batch: 181775
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20149733001

METHOD BLANK: 833375 Matrix: Water
Associated Lab Samples: 20149733001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.20	04/10/20 18:51	

METHOD BLANK: 832512 Matrix: Water
Associated Lab Samples: 20149733001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.20	04/10/20 19:03	

METHOD BLANK: 832701 Matrix: Water
Associated Lab Samples: 20149733001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.20	04/10/20 18:59	

LABORATORY CONTROL SAMPLE: 833376

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	2	2.0	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 833377 833378

Parameter	Units	20149733001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	ND	2	2	1.6	1.7	82	82	80-120	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Former Fairfax Mill
Pace Project No.: 20149733

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Fairfax Mill
Pace Project No.: 20149733

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20149733001	**B-3-1S**	EPA 3010	181775	EPA 6010	181869

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WO# : 20149733

20149733

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Reques

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be c

Section A Required Client Information:

Company: PPM CONSULTANTS, IN
Address: 5555 BANKHEAD HWY
BHAM, AL 35210
Email To: MIKE.DILLON@PPMCO.COM
Phone: 205836-5650 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: MIKE DILLON
Copy To:
Purchase Order No.: 40096601-T04
Project Name: FORMER FAIRFAX MILL
Project Number: 40096601-T04

Section C Invoice Information:

Attention: AP.BH.PPMCO.COM
Company Name: PPM CONSULTANTS, INC
Address: 5555 BANKHEAD HWY
Pace Quote Reference: B
Pace Project Manager: MELISSA MACNAUGHTON
Pace Profile #: 10003L-3

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location
STATE:

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): TCLP LEAD	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	B-3-15	SL	G			4/3/20	11:30		1	X								X		
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	(NO) [illegible]	~~4/8/20~~				
	[illegible]	4-4-20	1300	OFFICE		
	[illegible]	4-7-20	10:15	[illegible]	4-7-20	10:15
	[illegible]	4-7-20	15:30	BHAM FEDEX	4-7-20	15:30

SAMPLE CONDITIONS: Temp in °C: 0.2-4; Received on Ice (Y/N): Y; Custody Sealed Cooler (Y/N): N; Samples Intact (Y/N): Y

SAMPLER NAME AND SIGNATURE: [illegible] 4/8/20 09:00

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Condition Upon R

WO#: 20149733

PM: MM1 Due Date: 04/15/20

Proj CLIENT: 20-PPMBIR-MU

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC]

Custody Seals intact: ☑ Yes ☐ No

Therometer Used: ☐ Therm Fisher IR 7 ☑ Therm Fisher IR 10

Type of Ice: Wet Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 4/8/2020 [illegible]

Temp must be measured from Temperature blank when present

				Comments:
Temperature Blank Present"?	☐ Yes	☐ No	☑ N/A	1
Chain of Custody Present:	☑ Yes	☐ No	☐ N/A	2
Chain of Custody Complete:	☑ Yes	☐ No	☐ N/A	3
Chain of Custody Relinquished:	☑ Yes	☐ No	☐ N/A	4
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	5
Samples Arrived within Hold Time:	☑ Yes	☐ No	☐ N/A	6
Sufficient Volume:	☑ Yes	☐ No	☐ N/A	7
Correct Containers Used:	☑ Yes	☐ No	☐ N/A	8
Filtered vol. Rec. for Diss. tests	☐ Yes	☐ No	☑ N/A	9
Sample Labels match COC:	☑ Yes	☐ No	☐ N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☑ Yes	☐ No	☐ N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐ Yes	☐ No	☑ N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐ Yes	☐ No	☑ N/A	13 If No, was preserative added? ☐ Yes ☐ No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	14
Trip Blank Present:	☐ Yes	☑ No		15

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form-mod

STORM WATER (COOLING POND)

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

April 10, 2020

Mike Dillon
PPM Consultants
5555 Bankhead Hwy
Birmingham, AL 35210

RE: Project: Fairfax Mine
Pace Project No.: 20149269

Dear Mike Dillon:

Enclosed are the analytical results for sample(s) received by the laboratory on April 04, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - New Orleans

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Melissa MacNaughton

Melissa MacNaughton
melissa.macnaughton@pacelabs.com
(504)469-0333
Project Manager

Enclosures

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CERTIFICATIONS

Project: Fairfax Mine
Pace Project No.: 20149269

Pace Analytical Services New Orleans

California Env. Lab Accreditation Program Branch: 11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Pennsylviania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC): T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-00119
Commonwealth of Virginia (TNI): 480246

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SAMPLE SUMMARY

Project: Fairfax Mine
Pace Project No.: 20149269

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20149269001	**SW-1**	Water	04/02/20 11:10	04/04/20 10:40

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SAMPLE ANALYTE COUNT

Project: Fairfax Mine
Pace Project No.: 20149269

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20149269001	**SW-1**	EPA 1664A	TMO	1	PASI-N
		SM 2540D	LBG	1	PASI-N
		SM 4500-H+B	CAR	1	PASI-N
		SM 5210B	KMM	1	PASI-N
		SM 4500-NH3 G	RVJ	1	PASI-N

PASI-N = Pace Analytical Services - New Orleans

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PROJECT NARRATIVE

Project: Fairfax Mine
Pace Project No.: 20149269

Method: **EPA 1664A**
Description: HEM, Oil and Grease
Client: PPM BIRMINGHAM
Date: April 10, 2020

General Information:
1 sample was analyzed for EPA 1664A by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Fairfax Mine
Pace Project No.: 20149269

Method: **SM 2540D**
Description: 2540D Total Suspended Solids
Client: PPM BIRMINGHAM
Date: April 10, 2020

General Information:
1 sample was analyzed for SM 2540D by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Fairfax Mine
Pace Project No.: 20149269

Method: **SM 4500-H+B**
Description: 4500H+ pH, Electrometric
Client: PPM BIRMINGHAM
Date: April 10, 2020

General Information:
1 sample was analyzed for SM 4500-H+B by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H3: Sample was received or analysis requested beyond the recognized method holding time.
- SW-1 (Lab ID: 20149269001)

H6: Analysis initiated outside of the 15 minute EPA required holding time.
- SW-1 (Lab ID: 20149269001)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Fairfax Mine
Pace Project No.: 20149269

Method: **SM 5210B**
Description: 5210B BOD, 5 day
Client: PPM BIRMINGHAM
Date: April 10, 2020

General Information:
1 sample was analyzed for SM 5210B by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with SM 5210B with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 181139

B2: Oxygen usage is less than 2.0 for all dilutions set. The reported value is an estimated less than value and is calculated for the dilution using the most amount of sample.

- SW-1 (Lab ID: 20149269001)
  - BOD, 5 day

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PROJECT NARRATIVE

Project: Fairfax Mine
Pace Project No.: 20149269

Method: **SM 4500-NH3 G**
Description: 4500 Ammonia Water
Client: PPM BIRMINGHAM
Date: April 10, 2020

General Information:
1 sample was analyzed for SM 4500-NH3 G by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Fairfax Mine
Pace Project No.: 20149269

Sample: SW-1 **Lab ID: 20149269001** Collected: 04/02/20 11:10 Received: 04/04/20 10:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - New Orleans							
Oil and Grease	ND	mg/L	5.3	1		04/06/20 05:55		P1
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - New Orleans							
Total Suspended Solids	**48.0**	mg/L	4.0	1		04/05/20 12:33		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - New Orleans							
pH at 25 Degrees C	**7.2**	Std. Units	0.010	1		04/06/20 12:15		H3,H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B Pace Analytical Services - New Orleans							
BOD, 5 day	ND	mg/L	30.0	30	04/04/20 10:53	04/09/20 10:25		B2
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G Pace Analytical Services - New Orleans							
Nitrogen, Ammonia	ND	mg/L	0.10	1		04/06/20 15:57	7664-41-7	

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QUALITY CONTROL DATA

Project: Fairfax Mine
Pace Project No.: 20149269

QC Batch: 181195
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20149269001

METHOD BLANK: 829717
Matrix: Water
Associated Lab Samples: 20149269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	04/06/20 05:55	

LABORATORY CONTROL SAMPLE: 829718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	34.2	86	78-114	

MATRIX SPIKE SAMPLE: 829719

Parameter	Units	20148492002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40.4	35.6	81	78-114	P1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Fairfax Mine
Pace Project No.: 20149269

QC Batch: 181185
QC Batch Method: SM 2540D
Analysis Method: SM 2540D
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20149269001

METHOD BLANK: 829689
Matrix: Water
Associated Lab Samples: 20149269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	04/05/20 12:32	

LABORATORY CONTROL SAMPLE: 829690

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	99.0	99	80-120	

SAMPLE DUPLICATE: 829691

Parameter	Units	20149036002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	555	660	17	20	

SAMPLE DUPLICATE: 829692

Parameter	Units	20149062001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	13.0	15.0	14	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: Fairfax Mine
Pace Project No.: 20149269

QC Batch: 181266
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20149269001

LABORATORY CONTROL SAMPLE: 829911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
pH at 25 Degrees C	Std. Units	6	6.0	100	97-103	H6

SAMPLE DUPLICATE: 829912

Parameter	Units	20149269001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	0	20	H3,H6

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QUALITY CONTROL DATA

Project: Fairfax Mine
Pace Project No.: 20149269

QC Batch: 181139
QC Batch Method: SM 5210B
Analysis Method: SM 5210B
Analysis Description: 5210B BOD, 5 day
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20149269001

METHOD BLANK: 829530
Matrix: Water
Associated Lab Samples: 20149269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	0.20	04/09/20 09:56	

LABORATORY CONTROL SAMPLE: 829532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	169	85	85-115	

SAMPLE DUPLICATE: 829536

Parameter	Units	20149113002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	9.4	9.9	5	20	

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QUALITY CONTROL DATA

Project: Fairfax Mine
Pace Project No.: 20149269

QC Batch: 181224
QC Batch Method: SM 4500-NH3 G
Analysis Method: SM 4500-NH3 G
Analysis Description: 4500 Ammonia
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20149269001

METHOD BLANK: 829776
Matrix: Water
Associated Lab Samples: 20149269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	04/06/20 15:19	

LABORATORY CONTROL SAMPLE: 829777

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	15.9	15.0	94	90-110	

MATRIX SPIKE SAMPLE: 829779

Parameter	Units	20149269001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	10	9.7	97	75-125	

SAMPLE DUPLICATE: 829778

Parameter	Units	20149269001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		20	

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QUALIFIERS

Project: Fairfax Mine
Pace Project No.: 20149269

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

ANALYTE QUALIFIERS

B2	Oxygen usage is less than 2.0 for all dilutions set. The reported value is an estimated less than value and is calculated for the dilution using the most amount of sample.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
P1	Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Fairfax Mine
Pace Project No.: 20149269

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20149269001	**SW-1**	EPA 1664A	181195		
20149269001	**SW-1**	SM 2540D	181185		
20149269001	**SW-1**	SM 4500-H+B	181266		
20149269001	**SW-1**	SM 5210B	181139	SM 5210B	181685
20149269001	**SW-1**	SM 4500-NH3 G	181224		

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CHAIN-OF-CUSTODY / Analytical Reques

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant field

WO# : 20149269

20149269

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	PPM BIRMINGHAM	Report To:	Mike Dillon	Attention:	AP, Bit@PPMCO.COM
Address:	5555 Bankhead Hwy	Copy To:		Company Name:	PPM Consultants
Birmingham, AL 35210				Address:	
Email:	mike.dillon@ppmco.com	Purchase Order #:		Pace Quote:	
Phone:	NONE Fax:	Project Name:	Fairfax Mine	Pace Project Manager:	melissa.macnaughton@pacelabs.com,
Requested Due Date:		Project #:	40096601-T04	Pace Profile #:	10003 line 4

Regulatory Agency
State / Location
AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	624 VOCs	625 SVOCs	BOD 5-day	TSS + pH	Oil and Grease by 1664 HEM	ammonia	Residual Chlorine (Y/N)	
1	SW-1	WT	G			4-2-20	1110		10	X	X		X						X	X	X	X	X	X		~~Do NOT Run VOCs or SVOCs until contacted by Mike Dillon~~ AP
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
~~Do Not Run SVOCs or VOCs until contacted by Mike Dillon~~ AP	[signature] PPM	4-2-20	1640	[signature] Pace	4-2-20	1640				
	[signature] Pace	4-2-20	1730	Fed Ex						
	Fed Ex	4-4-20	1045	[signature] 1P x 4	4-4-20	1045	1.8	y	y	y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andrew Paradis

SIGNATURE of SAMPLER: [signature]

DATE Signed: 4-2-20

WO#: 20149269

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Condition Upon F

Pro

PM: MM1 Due Date: 04/13/20
CLIENT: 20-PPMBIR-MU

Courier: ☐ Pace Courier ☐ Hired Courier ☒ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☒Yes ☐No

Therometer Used: ☐ Therm Fisher IR 7 ☒ Therm Fisher IR 10

Type of Ice: Wet Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 04-04-2014

Temp must be measured from Temperature blank when present

				Comments:
Temperature Blank Present"?	☐Yes	☒No	☐N/A	1
Chain of Custody Present:	☒Yes	☐No	☐N/A	2
Chain of Custody Complete:	☒Yes	☐No	☐N/A	3
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	4
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	5
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	6
Sufficient Volume:	☒Yes	☐No	☐N/A	7
Correct Containers Used:	☒Yes	☐No	☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes	☐No	☒N/A	9
Sample Labels match COC:	☒Yes	☐No	☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☒Yes	☐No	☐N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☒Yes	☐No	☐N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☒Yes	☐No	☐N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	14
Trip Blank Present:	☐Yes	☒No		15

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

APPENDIX F – FIELD FORMS

STOCKPILE CHARACTERIZATION AND SAMPLING FIELD FORM

SITE INFORMATION

CLIENT:	City of Valley, Alabama	PROJECT NO.:	40096601-TOC03
SITE NAME:	Former Fairfax Mill	SAMPLING DATE:	2-18-20
LOCATION:	Valley, Alabama	WEATHER:	55° / light rain
STOCKPILE I.D.:	A-1	GPS:	N 32° 47' 36"
SAMPLER'S NAME:	MD, CG		W 85° 12" 07"

STOCKPILE CHARACTERIZATION

% CONCRETE/BRICK	25	SIZE RANGE	gravel to small boulder size / concrete is boulder
% METAL	5	SIZE RANGE	conduit piping
% WOOD	50	SIZE RANGE	8'-12' long pieces
% OTHER	20	SIZE RANGE	
% OTHER	plastic wheel barrel	SIZE RANGE	

NOTES (other materials, painted wood, painted metal, other materials, etc)

Est- 62 cy

SAMPLE ONLY PILES THAT HAVE MATERIAL THAT MAY BE USED AS FILL (CONCRETE/BRICK/ASPHALT)

SAMPLE COLLECTION

SAMPLING REQUIRED (YES/NO)

NUMBER OF COMPOSITE SAMPLES

SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	

LABORATORY DATA

Sample I.D.		Sample Time:	
Analysis	TCLP Pb, ACM		
Containers/Preservative	4 oz. zip lock		

REMARKS AND OBSERVATIONS: pile is mostly wood beams, some brick and metal conduit piping

Take closeup and at distance photo of each pile with sign dessignating pile.

Each sample should include 10 grab samples, crushed, and composited.

Sample designation A-1-1N, A-1-2S etc.

One duplicate per 20 samples.

STOCKPILE CHARACTERIZATION AND SAMPLING FIELD FORM

SITE INFORMATION

CLIENT:	City of Valley, Alabama	PROJECT NO.:	40096601-TOC03
SITE NAME:	Former Fairfax Mill	SAMPLING DATE:	2-18-20
LOCATION:	Valley, Alabama	WEATHER:	85 / rain
STOCKPILE I.D.:	A-2	GPS:	N 32 47' 90 36.45'
SAMPLER'S NAME:	CC, MD		N 85 11' 7.05'

STOCKPILE CHARACTERIZATION

% CONCRETE/BRICK	2%	SIZE RANGE	
% METAL	1%	SIZE RANGE	
% WOOD		SIZE RANGE	
% ~~OTHER~~ soil	97%	SIZE RANGE	
% OTHER		SIZE RANGE	

NOTES (other materials, painted wood, painted metal, other materials, etc)

Est 439 cy

SAMPLE ONLY PILES THAT HAVE MATERIAL THAT MAY BE USED AS FILL (CONCRETE/BRICK/ASPHALT)

SAMPLE COLLECTION

SAMPLING REQUIRED (YES/NO) YES

NUMBER OF COMPOSITE SAMPLES

SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	

LABORATORY DATA

Sample I.D.		Sample Time:	
Analysis	TCLP Pb, ACM		
Containers/Preservative	4 oz. zip lock		

REMARKS AND OBSERVATIONS: long mound of soil, some brick on sides in a wall, some random pieces of metal conduit

Take closeup and at distance photo of each pile with sign dessignating pile.

Each sample should include 10 grab samples, crushed, and composited.

Sample designation A-1-1N, A-1-2S etc.

One duplicate per 20 samples.

STOCKPILE CHARACTERIZATION AND SAMPLING FIELD FORM

SITE INFORMATION

CLIENT:	City of Valley, Alabama	PROJECT NO.:	40096601-TOC03
SITE NAME:	Former Fairfax Mill	SAMPLING DATE:	2-18-20
LOCATION:	Valley, Alabama	WEATHER:	55° rain
STOCKPILE I.D.:	A-3	GPS:	N
SAMPLER'S NAME:	CC, MD		

STOCKPILE CHARACTERIZATION

% CONCRETE/BRICK	65 %	SIZE RANGE	
% METAL	1 %	SIZE RANGE	
% WOOD	2 %	SIZE RANGE	
~~% OTHER~~ soil	32%	SIZE RANGE	
% OTHER		SIZE RANGE	

NOTES (other materials, painted wood, painted metal, other materials, etc)

Est 41 CY

SAMPLE ONLY PILES THAT HAVE MATERIAL THAT MAY BE USED AS FILL (CONCRETE/BRICK/ASPHALT)

SAMPLE COLLECTION

SAMPLING REQUIRED (YES/NO)

NUMBER OF COMPOSITE SAMPLES

SAMPLE I.D.	A-3-1	TIME OF SAMPLING	9:05
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	

LABORATORY DATA

Sample I.D.		Sample Time:	
Analysis	TCLP Pb, ACM		
Containers/Preservative	4 oz. zip lock		

REMARKS AND OBSERVATIONS: small pile of mostly concrete/brick. Some dirt and few pieces of wood and metal

Take closeup and at distance photo of each pile with sign dessignating pile.

Each sample should include 10 grab samples, crushed, and composited.

Sample designation A-1-1N, A-1-2S etc.

One duplicate per 20 samples.

STOCKPILE CHARACTERIZATION AND SAMPLING FIELD FORM

SITE INFORMATION

CLIENT:	City of Valley, Alabama	PROJECT NO.:	40096601-TOC03
SITE NAME:	Former Fairfax Mill	SAMPLING DATE:	2-18-20
LOCATION:	Valley, Alabama	WEATHER:	55° / light rain
STOCKPILE I.D.:	A-4	GPS:	N 32 47 36.02
SAMPLER'S NAME:	CG, MP		W 85 11 7.18

STOCKPILE CHARACTERIZATION

% CONCRETE/BRICK	~~34%~~ 35 40 40	SIZE RANGE	bricks,
% METAL	1 % 2	SIZE RANGE	conduit
% WOOD	~~6%~~ 20 19 ~~20~~ 20	SIZE RANGE	10-15' beams
% ~~OTHER~~ soil	~~5~~ % ~~35~~ ~~40~~ ~~30~~ 36 %	SIZE RANGE	
% OTHER	2% - ~~1~~ rigid foam rubble	SIZE RANGE	fist size rubble

NOTES (other materials, painted wood, painted metal, other materials, etc)

Fist - 48 CY

SAMPLE ONLY PILES THAT HAVE MATERIAL THAT MAY BE USED AS FILL (CONCRETE/BRICK/ASPHALT)

SAMPLE COLLECTION

SAMPLING REQUIRED (YES/NO) YES

NUMBER OF COMPOSITE SAMPLES

SAMPLE I.D.	A-4-1	TIME OF SAMPLING	9:45
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	

LABORATORY DATA

Sample I.D.	A-4-1	Sample Time: 9:45	
Analysis	TCLP Pb, ACM		
Containers/Preservative	4 oz. zip lock		

REMARKS AND OBSERVATIONS: medium size pile, some large clumps of brick rubble, large pile of wood on North end of pile, -wood looks easy to seperate out

Take closeup and at distance photo of each pile with sign dessignating pile.

Each sample should include 10 grab samples, crushed, and composited.

Sample designation A-1-1N, A-1-2S etc.

One duplicate per 20 samples.

STOCKPILE CHARACTERIZATION AND SAMPLING FIELD FORM

SITE INFORMATION

CLIENT:	City of Valley, Alabama	PROJECT NO.:	40096601-TOC03
SITE NAME:	Former Fairfax Mill	SAMPLING DATE:	2-18-20
LOCATION:	Valley, Alabama	WEATHER:	60° / Cloudy
STOCKPILE I.D.:	A-5	GPS:	N 32 47' 35.31"
SAMPLER'S NAME:	CC, MD		W85 11' 7.60"

STOCKPILE CHARACTERIZATION

% CONCRETE/BRICK	75	SIZE RANGE	large pieces on north end
% METAL	2	SIZE RANGE	
% WOOD	8	SIZE RANGE	
% ~~OTHER~~ Soil	15	SIZE RANGE	
% OTHER		SIZE RANGE	

NOTES (other materials, painted wood, painted metal, other materials, etc)

Est ~~103~~ 107 CY

SAMPLE ONLY PILES THAT HAVE MATERIAL THAT MAY BE USED AS FILL (CONCRETE/BRICK/ASPHALT)

SAMPLE COLLECTION

SAMPLING REQUIRED (YES/NO)

NUMBER OF COMPOSITE SAMPLES

SAMPLE I.D.	A-5-1	TIME OF SAMPLING	13:50
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	

LABORATORY DATA

Sample I.D.		Sample Time:	
Analysis	TCLP Pb, ACM		
Containers/Preservative	4 oz. zip lock		

REMARKS AND OBSERVATIONS: large chunks of bricks on north side of pile middle & south cobble in dirt

Take closeup and at distance photo of each pile with sign dessignating pile.

Each sample should include 10 grab samples, crushed, and composited.

Sample designation A-1-1N, A-1-2S etc.

One duplicate per 20 samples.

STOCKPILE CHARACTERIZATION AND SAMPLING FIELD FORM

SITE INFORMATION

CLIENT:	City of Valley, Alabama	PROJECT NO.:	40096601-TOC03
SITE NAME:	Former Fairfax Mill	SAMPLING DATE:	2-18-20
LOCATION:	Valley, Alabama	WEATHER:	55 / rain
STOCKPILE I.D.:	A-6	GPS:	N 32° 47' 35.41"
SAMPLER'S NAME:	CC, MD		W 85° 11' 6.94"

STOCKPILE CHARACTERIZATION

% CONCRETE/BRICK		SIZE RANGE	
% METAL	1 %	SIZE RANGE	
% WOOD	99 %	SIZE RANGE	10' beams
% OTHER		SIZE RANGE	
% OTHER		SIZE RANGE	

NOTES (other materials, painted wood, painted metal, other materials, etc)

Est 4 cY

SAMPLE ONLY PILES THAT HAVE MATERIAL THAT MAY BE USED AS FILL (CONCRETE/BRICK/ASPHALT)

SAMPLE COLLECTION

SAMPLING REQUIRED (YES/NO) NO

NUMBER OF COMPOSITE SAMPLES

SAMPLE I.D.	~~A-7-1N~~	TIME OF SAMPLING	~~10:15~~
SAMPLE I.D.	~~A-7-2S~~	TIME OF SAMPLING	~~10:19~~
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	

LABORATORY DATA

Sample I.D.		Sample Time:	
Analysis	TCLP Pb, ACM		
Containers/Preservative	4 oz. zip lock		

REMARKS AND OBSERVATIONS: pile of beams

Take closeup and at distance photo of each pile with sign dessignating pile.

Each sample should include 10 grab samples, crushed, and composited.

Sample designation A-1-1N, A-1-2S etc.

One duplicate per 20 samples.

STOCKPILE CHARACTERIZATION AND SAMPLING FIELD FORM

SITE INFORMATION

CLIENT:	City of Valley, Alabama	PROJECT NO.:	40096601-TOC03
SITE NAME:	Former Fairfax Mill	SAMPLING DATE:	2-18-20
LOCATION:	Valley, Alabama	WEATHER:	55 / rain
STOCKPILE I.D.:	A-7	GPS:	N 32° 47' 35.41"
SAMPLER'S NAME:	CG, MIO		W 85° 11' 6.76"

STOCKPILE CHARACTERIZATION

% CONCRETE/BRICK	60	SIZE RANGE	small bricks to large boulders
% METAL	2	SIZE RANGE	conduit / rebel
% WOOD	30	SIZE RANGE	small to 12' beam
% ~~OTHER~~ soil	7	SIZE RANGE	dirt
% OTHER	1	SIZE RANGE	plastic, paper, insulation/misc

NOTES (other materials, painted wood, painted metal, other materials, etc)

Est 219 CY

SAMPLE ONLY PILES THAT HAVE MATERIAL THAT MAY BE USED AS FILL (CONCRETE/BRICK/ASPHALT)

SAMPLE COLLECTION

SAMPLING REQUIRED (YES/NO)

NUMBER OF COMPOSITE SAMPLES

SAMPLE I.D.	A-7-1N	TIME OF SAMPLING	10:15
SAMPLE I.D.	A-7-2S	TIME OF SAMPLING	10:19
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	

LABORATORY DATA

Sample I.D.		Sample Time:	
Analysis	TCLP Pb, ACM		
Containers/Preservative	4 oz. zip lock		

REMARKS AND OBSERVATIONS: long pile, north end is mostly concrete/dirt, south end is mostly wood with some bricks

Take closeup and at distance photo of each pile with sign dessignating pile.

Each sample should include 10 grab samples, crushed, and composited.

Sample designation A-1-1N, A-1-2S etc.

One duplicate per 20 samples.

STOCKPILE CHARACTERIZATION AND SAMPLING FIELD FORM

SITE INFORMATION

CLIENT:	City of Valley, Alabama	PROJECT NO.:	40096601-TOC03
SITE NAME:	Former Fairfax Mill	SAMPLING DATE:	2-18-20
LOCATION:	Valley, Alabama	WEATHER:	55° light rain
STOCKPILE I.D.:	A-8	GPS:	N 32° 47' 35.31"
SAMPLER'S NAME:	CG, MD		W 85° 11' 6.47"

STOCKPILE CHARACTERIZATION

% CONCRETE/BRICK	70	SIZE RANGE	cobble
% METAL	~~0~~ 4	SIZE RANGE	conduit
% WOOD	1	SIZE RANGE	~8' beams
% ~~OTHER~~ soil	25	SIZE RANGE	
% OTHER		SIZE RANGE	

NOTES (other materials, painted wood, painted metal, other materials, etc)

Est. 10 CY

SAMPLE ONLY PILES THAT HAVE MATERIAL THAT MAY BE USED AS FILL (CONCRETE/BRICK/ASPHALT)

SAMPLE COLLECTION

SAMPLING REQUIRED (YES/NO)

NUMBER OF COMPOSITE SAMPLES

SAMPLE I.D.	A-8-1	TIME OF SAMPLING	10:37
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	

LABORATORY DATA

Sample I.D.		Sample Time:	
Analysis	TCLP Pb, ACM		
Containers/Preservative	4 oz. zip lock		

REMARKS AND OBSERVATIONS: big pile, most/s bricks mixed with dirt

Take closeup and at distance photo of each pile with sign dessignating pile.

Each sample should include 10 grab samples, crushed, and composited.

Sample designation A-1-1N, A-1-2S etc.

One duplicate per 20 samples.

STOCKPILE CHARACTERIZATION AND SAMPLING FIELD FORM

SITE INFORMATION

CLIENT:	City of Valley, Alabama	PROJECT NO.:	40096601-TOC03
SITE NAME:	Former Fairfax Mill	SAMPLING DATE:	2-18-20
LOCATION:	Valley, Alabama	WEATHER:	55° / light rain
STOCKPILE I.D.:	A-9	GPS:	N 32° 47' 34.92"
SAMPLER'S NAME:	CC, MD		W 85° 11' 6.51"

STOCKPILE CHARACTERIZATION

% CONCRETE/BRICK	40	SIZE RANGE	bricks asphalt concrete
% METAL	~~0~~ 4	SIZE RANGE	small pieces, flat metal pieces
% WOOD	4	SIZE RANGE	some small wood
% ~~OTHER~~ soil	50	SIZE RANGE	
% ~~OTHER~~	2	SIZE RANGE	plastic

NOTES (other materials, painted wood, painted metal, other materials, etc)

Est 84 cY

SAMPLE ONLY PILES THAT HAVE MATERIAL THAT MAY BE USED AS FILL (CONCRETE/BRICK/ASPHALT)

SAMPLE COLLECTION

SAMPLING REQUIRED (YES/NO) YES

NUMBER OF COMPOSITE SAMPLES

SAMPLE I.D.	A-9-1	TIME OF SAMPLING	11:01
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	

LABORATORY DATA

Sample I.D.		Sample Time:	
Analysis	TCLP Pb, ACM		
Containers/Preservative	4 oz. zip lock		

REMARKS AND OBSERVATIONS: long pile mostly dirt and bricks

- concrete wall has black mastic material, suspect for Asbestos

Take closeup and at distance photo of each pile with sign dessignating pile.

Each sample should include 10 grab samples, crushed, and composited.

Sample designation A-1-1N, A-1-2S etc.

One duplicate per 20 samples.

STOCKPILE CHARACTERIZATION AND SAMPLING FIELD FORM

SITE INFORMATION

CLIENT:	City of Valley, Alabama	PROJECT NO.:	40096601-TOC03
SITE NAME:	Former Fairfax Mill	SAMPLING DATE:	2-18-20
LOCATION:	Valley, Alabama	WEATHER:	60° / light rain
STOCKPILE I.D.:	A-10	GPS:	N 32° 47' 34.51"
SAMPLER'S NAME:	CG, MD		W 85° 11' 6.49"

STOCKPILE CHARACTERIZATION

% CONCRETE/BRICK	85	SIZE RANGE	small rubble
% METAL	2	SIZE RANGE	some rebar
% WOOD	2	SIZE RANGE	few pieces
% ~~OTHER~~ soil	10	SIZE RANGE	mixed in brick
% OTHER	1	SIZE RANGE	

NOTES (other materials, painted wood, painted metal, other materials, etc)

Est. 37 cy

SAMPLE ONLY PILES THAT HAVE MATERIAL THAT MAY BE USED AS FILL (CONCRETE/BRICK/ASPHALT)

SAMPLE COLLECTION

SAMPLING REQUIRED (YES/NO)

NUMBER OF COMPOSITE SAMPLES

SAMPLE I.D.	A-10-1	TIME OF SAMPLING	12:28
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	

LABORATORY DATA

Sample I.D.		Sample Time:	
Analysis	TCLP Pb, ACM		
Containers/Preservative	4 oz. zip lock		

REMARKS AND OBSERVATIONS: long narrow pile, mostly brick/concrete, some dirt, strip pieces of wood, metal and foam insulation

Take closeup and at distance photo of each pile with sign dessignating pile.

Each sample should include 10 grab samples, crushed, and composited.

Sample designation A-1-1N, A-1-2S etc.

One duplicate per 20 samples.

STOCKPILE CHARACTERIZATION AND SAMPLING FIELD FORM

SITE INFORMATION

CLIENT:	City of Valley, Alabama	PROJECT NO.:	40096601-TOC03
SITE NAME:	Former Fairfax Mill	SAMPLING DATE:	2-18-20
LOCATION:	Valley, Alabama	WEATHER:	60° cloudy
STOCKPILE I.D.:	A-11	GPS:	
SAMPLER'S NAME:	CC, MO		

STOCKPILE CHARACTERIZATION

% ~~CONCRETE~~/BRICK	5	SIZE RANGE	
% METAL		SIZE RANGE	
% WOOD		SIZE RANGE	
% ~~OTHER~~ Soil	95	SIZE RANGE	
% OTHER		SIZE RANGE	

NOTES (other materials, painted wood, painted metal, other materials, etc)

Est 469 CY

SAMPLE ONLY PILES THAT HAVE MATERIAL THAT MAY BE USED AS FILL (CONCRETE/BRICK/ASPHALT)

SAMPLE COLLECTION

SAMPLING REQUIRED (YES/NO) (YES circled)

NUMBER OF COMPOSITE SAMPLES

SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	

LABORATORY DATA

Sample I.D.		Sample Time:	
Analysis	TCLP Pb, ACM		
Containers/Preservative	4 oz. zip lock		

REMARKS AND OBSERVATIONS: Some brick piles, mostly all dirt

Take closeup and at distance photo of each pile with sign dessignating pile.

Each sample should include 10 grab samples, crushed, and composited.

Sample designation A-1-1N, A-1-2S etc.

One duplicate per 20 samples.

STOCKPILE CHARACTERIZATION AND SAMPLING FIELD FORM

SITE INFORMATION

CLIENT:	City of Valley, Alabama	PROJECT NO.:	40096601-TOC03
SITE NAME:	Former Fairfax Mill	SAMPLING DATE:	2-18-20
LOCATION:	Valley, Alabama	WEATHER:	60° / light rain
STOCKPILE I.D.:	A-12	GPS:	N 32° 47' 34.36"
SAMPLER'S NAME:	CGMP		W 85° 11' 7.26"

STOCKPILE CHARACTERIZATION

% CONCRETE/BRICK	55	SIZE RANGE	cobbly, some large chunks
% METAL	1	SIZE RANGE	rebar
% WOOD	3	SIZE RANGE	some large timber
% ~~OTHER~~ soil	40	SIZE RANGE	mixed in brick
% OTHER plastic	1	SIZE RANGE	

NOTES (other materials, painted wood, painted metal, other materials, etc)

Est 10 CY

SAMPLE ONLY PILES THAT HAVE MATERIAL THAT MAY BE USED AS FILL (CONCRETE/BRICK/ASPHALT)

SAMPLE COLLECTION

SAMPLING REQUIRED (YES/NO) YES

NUMBER OF COMPOSITE SAMPLES

SAMPLE I.D.	A-12-1	TIME OF SAMPLING	12:47
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	
SAMPLE I.D.		TIME OF SAMPLING	

LABORATORY DATA

Sample I.D.		Sample Time:	
Analysis	TCLP Pb, ACM		
Containers/Preservative	4 oz. zip lock		

REMARKS AND OBSERVATIONS: Chunks of brick well and concrete, few big pieces of wood and some other - plastic tile, small pieces

Take closeup and at distance photo of each pile with sign dessignating pile.

Each sample should include 10 grab samples, crushed, and composited.

Sample designation A-1-1N, A-1-2S etc.

One duplicate per 20 samples.