REPORT ON REMOVAL PRELIMINARY ASSESSMENT

CLOSED LOOP REFINING & RECOVERY
1655 AND 1675 WATKINS ROAD
COLUMBUS, OHIO 43207

EPA ID No. OHR000167718

EnSafe Project Number:
0888823935/004

Prepared for:

Garrison Southfield Park LLC
1290 Avenue of the Americas
Suite 914
New York, New York 10104

April 2020

P.O. Box 24261
Cleveland, Ohio 44124
216-274-0112 | 800-588-7962
www.ensafe.com

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1.0 INTRODUCTION

This *Report on Removal Preliminary Assessment* addresses removal preliminary assessment activities previously performed at the Closed Loop Refining & Recovery (Closed Loop) facility (subject property) in Columbus, Ohio, as shown in Figure 1. The subject property includes the 1675 Watkins Road warehouse (1675 warehouse) and the south portion of the 1655 Watkins Road warehouse (1655 warehouse; Figures 2 and 3). This report has been prepared pursuant to applicable rules in Title 40 of the Code of Federal Regulations, Section 300.410.

This report is a summary of two previously prepared removal preliminary assessments:

- AECOM Technical Services, Inc. *Baseline Environmental Conditions and Closure Cost Evaluation; The Closed Loop Inc. Facility; 1675 and 1655 Watkins Road; Columbus, Ohio.* (2015).

- Atwell, LLC. *Evaluation of E-Waste Inventories and Remediation/Closure Options for 1655 and 1675 Watkins Road, Columbus, Ohio.* (May 4, 2017).

1.1 2015 AECOM Technical Services, Inc. Assessment

During late 2015, AECOM Technical Services, Inc. (AECOM) prepared a report entitled *Baseline Environmental Conditions and Closure Cost Evaluation*. The purpose of this evaluation was to assess potential hazardous materials contained in the 1675 and 1655 warehouses. AECOM's report noted that Closed Loop operated in 290,000 square feet of the 1675 warehouse and 145,000 square feet of the 1655 warehouse. The AECOM report is included in Appendix A.

AECOM's site assessment included collection of 19 dust samples from the floor and horizontal surfaces in the 1675 and 1655 warehouses (eleven and eight samples respectively), for analysis of the eight Resource Conservation and Recovery Act metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) as totals. An additional five dust samples from the 1675 warehouse and four dust samples from the 1655 warehouse were also analyzed by the Toxicity Characteristic Leaching Procedure (TCLP) for the eight Resource Conservation and Recovery Act metals. Indoor airborne sampling was also performed for analysis of mercury.

A summary of the analytical results for the 1655 warehouse indicated:

- Lead was detected in each total dust sample at concentrations ranging from 2,300 to 13,000 milligrams per kilogram (mg/kg), exceeding the Ohio Voluntary Action Program (VAP) generic, direct-contact residential soil standard (GDCSS) of 400 mg/kg.
- Chromium was reported to exceed the residential GDCSS of 120 mg/kg in two samples.
- Barium, cadmium, mercury, and silver were detected in each total dust sample at concentrations below their respective Ohio VAP residential GDCSS.
- Arsenic and selenium were not detected in total or TCLP dust samples.
- Lead was reported in three of four TCLP dust sample results at concentrations of 92 to 180 milligrams/liter (mg/L), which exceed the characteristically hazardous concentration of 5.0 mg/L for lead.
- Remaining TCLP dust sample results were below detection limits and/or their respective characteristically hazardous concentration limits.

A summary of the analytical results for the 1675 warehouse indicated:

- Lead was detected in each total dust sample at concentrations ranging from 2,200 to 15,000 mg/kg, exceeding the Ohio VAP residential GDCSS of 400 mg/kg.
- Barium, cadmium, chromium, mercury, and silver were detected in each total dust sample at concentrations below their respective Ohio VAP residential GDCSS.
- With the exception of one total dust sample where total selenium was detected at a concentration below its Ohio VAP residential GDCSS, arsenic and selenium were not detected in total or TCLP dust samples.
- Lead was reported in each of the five TCLP dust samples at concentrations of 11 to 220 mg/L, which exceed the characteristically hazardous concentration of 5.0 mg/L for lead.

- Remaining TCLP dust sample results were below detection limits and/or their respective characteristically hazardous concentration limits.

AECOM reported that indoor air mercury concentrations ranged from less than the detection limit to 0.044 milligrams per cubic meter and that mercury results were below the Occupational Safety and Health Administration permissible exposure limit of 0.10 milligrams per cubic meter (NIOSH 2015).

1.2 2017 Atwell LLC Assessment

During 2016, Atwell performed site investigation activities that culminated in preparation of their May 4, 2017 report entitled *Evaluation of E-Waste Inventories and Remediation/Closure Options for 1655 and 1675 Watkins Road, Columbus, Ohio*. A copy of the Atwell report is presented in Appendix B; significant findings are summarized below:

- The 1675 and 1655 warehouses are approximately 90% full of cathode ray tube (CRT) devices, super sacks, and cardboard Gaylord containers (measuring approximately 4-foot-square and high) containing crushed CRT glass on wooden pallets. Throughout the majority of the warehouses, the Gaylord containers are stacked three high. Many Gaylord containers are deteriorated, which Atwell notes "may be a function of Closed Loop's practice to repurpose the same boxes used to transport intact CRTs to the site…." Atwell noted that there are only a few accessible aisles between the stockpiled CRT materials and that many containers are not readily accessible.

- The majority of containers in the 1675 warehouse contain crushed CRT glass; former aisle ways have containers with "whole unprocessed CRT units (televisions, computer monitors, and/or intact CRT tubes)." The 1675 warehouse also includes a demanufacturing line and a glass crushing process area.

- The majority of containers in the 1655 warehouse appear to contain "intact CRT units (televisions and computer monitors)." A "small demanufacturing line where Closed Loop would manually separate the CRT tubes from plastic and metal housings associated with whole televisions and or/computer monitors", is also present in the north portion of this warehouse.

- Eight types of containerized CRT-related materials were identified on the site, as summarized below.

  — 1675 Watkins Road Warehouse:

    - o Whole CRT tubes..... 2,163,603 pounds
    - o Complete CRT units (shrink wrapped)..... 1,115,288 pounds
    - o Complete CRT units (in Gaylord containers) ..... 354,591 pounds
    - o Projection lamps..... 0 pounds
    - o CRT crushed glass ..... 113,750,757 pounds
    - o Scrap plastic ..... 15,120 pounds
    - o Scrap metal with glass..... 324,648 pounds
    - o CRT panel glass with metal bands ..... 175,273 pounds

    Estimated total weight (1675 warehouse) ..... 117,899,280 pounds

    This analysis was summarized as follows:

    - o Non-processed CRTs..... 3,633,482 pounds
    - o CRT crushed glass ..... 113,750,757 pounds
    - o Recyclable plastic, glass, and steel ..... 515,041 pounds

  — 1655 Watkins Road Warehouse

    - o Whole CRT tubes..... 6,576,765 pounds
    - o Complete CRT units (shrink wrapped)..... 841,582 pounds
    - o Complete CRT units (in Gaylord containers) ..... 2,648,869 pounds
    - o Projection lamps..... 185,087 pounds
    - o CRT crushed glass..... 0 pounds
    - o Scrap plastic ..... 19,440 pounds
    - o Scrap metal with glass..... 1,944 pounds
    - o CRT panel glass with metal bands ..... 14,406 pounds

    Estimated total weight (1655 warehouse) ..... 10,288,093 pounds

This analysis was summarized as follows:

- o Non-processed CRTs..... 10,252,303 pounds
- o CRT crushed glass..... 0 pounds
- o Recyclable plastic, glass, and steel .....35,790 pounds

- Atwell estimated that the 1675 and 1655 warehouses contained approximately 128,187,373 pounds (64,093 tons) of CRT-related material.

- Based on this analysis, and after discussion with vendors, Atwell estimated the cost to remove and recycle or dispose (landfill) containerized CRT-related materials at approximately $12,480,000. An additional approximate $415,000 was estimated to decontaminate lead-dust from the 1675 and 1655 warehouses.

- Atwell also observed that: “Costs, however, may be significantly higher and depend upon the material quantities, transportation fuel costs, and the availability of previously-identified landfills, lead smelters, or other disposal/recycling outlets to accept such high volumes of e-waste at the time the removal efforts are launched. Costs may also increase depending upon the extent of Ohio EPA's oversight over RCRA closure of the Site. At this time, it is not possible to project with any reasonable certainty how these and other variables will ultimately impact the bottom line.”

2.0 EVALUATION OF MAGNITUDE OF THREAT

As noted by Atwell, the Closed Loop portion of the 1675 and 1655 warehouses includes approximately 435,000 square feet of floor space with a combined estimated 128,187,373 pounds (64,093 tons) of containerized CRT-related materials. The CRT-related materials contain lead. CRT-related materials are stored throughout the warehouses and occupy approximately 90% of the floor space. The containers are constructed of cardboard and are deteriorating, becoming unstable, and in some cases collapsing and blocking aisle ways.

As noted by AECOM, in addition to the abundance of CRT-related materials, past Closed Loop operations have resulted in lead-containing dust coating the stored containers of CRT-related materials and warehouse surfaces. This lead-containing dust has been documented to be characteristically hazardous.

Pertinent Exposure Pathways

Based on current/future land use, the primary exposure pathways to lead-containing dusts are anticipated to be as summarized below:

- Personnel entering the 1675 and 1655 warehouses could be exposed to dust if they were to touch dust contaminated surfaces; further, the potential presence of airborne dusts in the warehouses are a lead inhalation hazard.

- The volume of material makes it difficult to access interior portions of the 1675 and 1655 warehouses; if a release of water were to occur inside of the warehouses, lead-containing materials could be released to the exterior of the warehouses.

- The condition of the containers makes it likely that containers could collapse in the future. If a container collapses against an exterior door, there could be a release of CRT-related materials and lead-containing dust to the exterior of the warehouses.

Potential Receptors

Work within the 1675 and 1655 warehouses poses a risk to maintenance workers, personnel, and visitors due to the potential for lead-containing dust exposure and a physical crushing hazard due to collapsing boxes. If CRT-related materials or lead-containing dust were released to the exterior of the warehouses, there are additional hazards for exposure of site visitors, workers, and ecological receptors to stormwater and sediment that could become contaminated with lead.

Potential Threat to Surface Water

According to Mr. Mike Koenig, formerly of Atwell, there are no surface water bodies on the 1675 and 1655 Watkins Road property. He concluded that stormwater west of the 1675 and 1655 warehouses would enter one of three stormwater catch basins west of the access road and parking areas that are west of the 1655 warehouse, and flow north to a ditch that is west of the access road and parking areas that are west of the 1675 warehouse. Mr. Koenig stated that the ditch flowed into an underground conveyance but did not know where it ultimately discharged to. Mr. Koenig stated that he has not observed any hazardous substances being released from the building.

It should be noted that during September 2013, the Ohio Environmental Protection Agency performed a complaint investigation of the Closed Loop operation at 1675 Watkins Road and identified the exterior storage of "...approximately 300 pallets of broken CRTs outside in cardboard gaylords..." and "...approximately 450 pallets of televisions..." outside and west of the warehouse. The Ohio Environmental Protection Agency's June 10, 2014 *Director's Final Findings & Orders* and *Expedited Settlement Agreement,* related to the September 2013 complaint investigation, indicated that the observed materials that had been stored outside had been moved inside the building and did not require further evaluation.

Based on the absence of surface water bodies on the 1675 and 1655 Watkins Road property, the absence of observed hazardous materials on the property, and Closed Loop's resolution of observed exterior storage activities in 2013, there does not currently appear to be a substantial threat to the public health or welfare of the United States related to stormwater or sediment at the subject property.

3.0 PUBLIC HEALTH ASSESSMENT

As the CRT-related materials and lead-containing dust are currently contained within the 1675 and 1655 warehouses, and as neither AECOM nor Atwell identified evidence of these materials outside of the 1675 and 1655 warehouses, there is no need for the Agency for Toxic Substances and Disease Registry, or other agencies, to perform a public health assessment.

4.0 EVALUATION OF FACTORS FOR REMOVAL NECESSITY

Although the CRT-related materials and associated lead-containing dust are currently contained within the 1675 and 1655 warehouses, their presence poses a potential threat of release outside of these warehouses in keeping with the pertinent exposure pathways noted above. According to Mr. Koenig, the stored materials pose a threat to emergency responders in the event of a fire because there is limited aisle space and the boxes containing CRTs are deteriorating and collapsing, which also threatens the integrity of several bay doors. Mr. Koenig further noted that the stored materials limit access to building mechanicals, which in the event of an emergency, could increase emergency response times. In the event of a fire, Mr. Koenig stated that water used to suppress the fire would escape the 1675 and 1655 warehouses and pose a potential exposure threat to first responders and others near the subject property.

Based on this, removal of the CRT-related materials and decontamination of dust on building surfaces will provide the most protection to human health and the environment. This action will be a permanent solution by reducing the toxicity, mobility, and volume of CRT-related material and lead dust.

5.0 CONCLUSION

Based on the above information, and as no other party is taking action, a non-time critical removal action to be performed by Garrison Southfield is appropriate to reduce the likelihood of human health and environmental exposure. As there is currently no exposure to CRT-related materials or lead-containing dust, and there is sufficient time for a 6-month planning period from the time the removal action is determined to be necessary to the time of initiation of the action, a non-time critical removal action is appropriate to address health threats and accelerate the 1675 and 1655 warehouses through the Comprehensive Environmental Response, Compensation, and Liability Act response process.

FIGURES

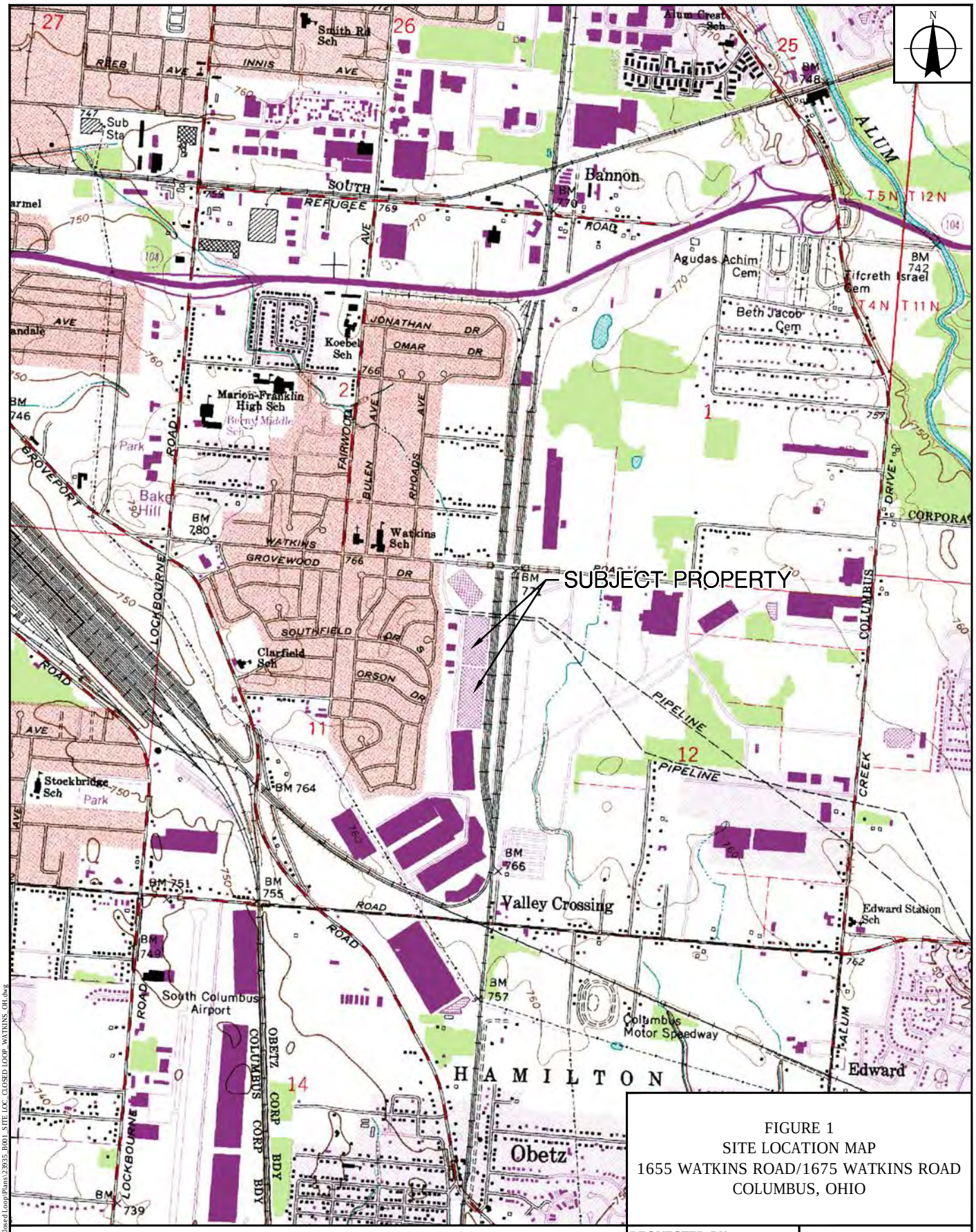

FIGURE 1
SITE LOCATION MAP
1655 WATKINS ROAD/1675 WATKINS ROAD
COLUMBUS, OHIO

NAD 1983
UTM 17 NORTH

0 1,000 2,000
SCALE IN FEET

REQUESTED BY:	NB
DRAWN BY:	KMB
DATE:	2/19/2019
PROJECT:	0888823935

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DATA SOURCES: U.S. Geological Survey. Southeast Columbus Quadrangle, Ohio [Map]. Photorevised 1994. 1:24,000. 7.5 Minute Series.

I:\CAD PROJECTS\23935 Closed Loop\Plans\23935_R001_SITE LOC_CLOSED LOOP_WATKINS_OH.dwg

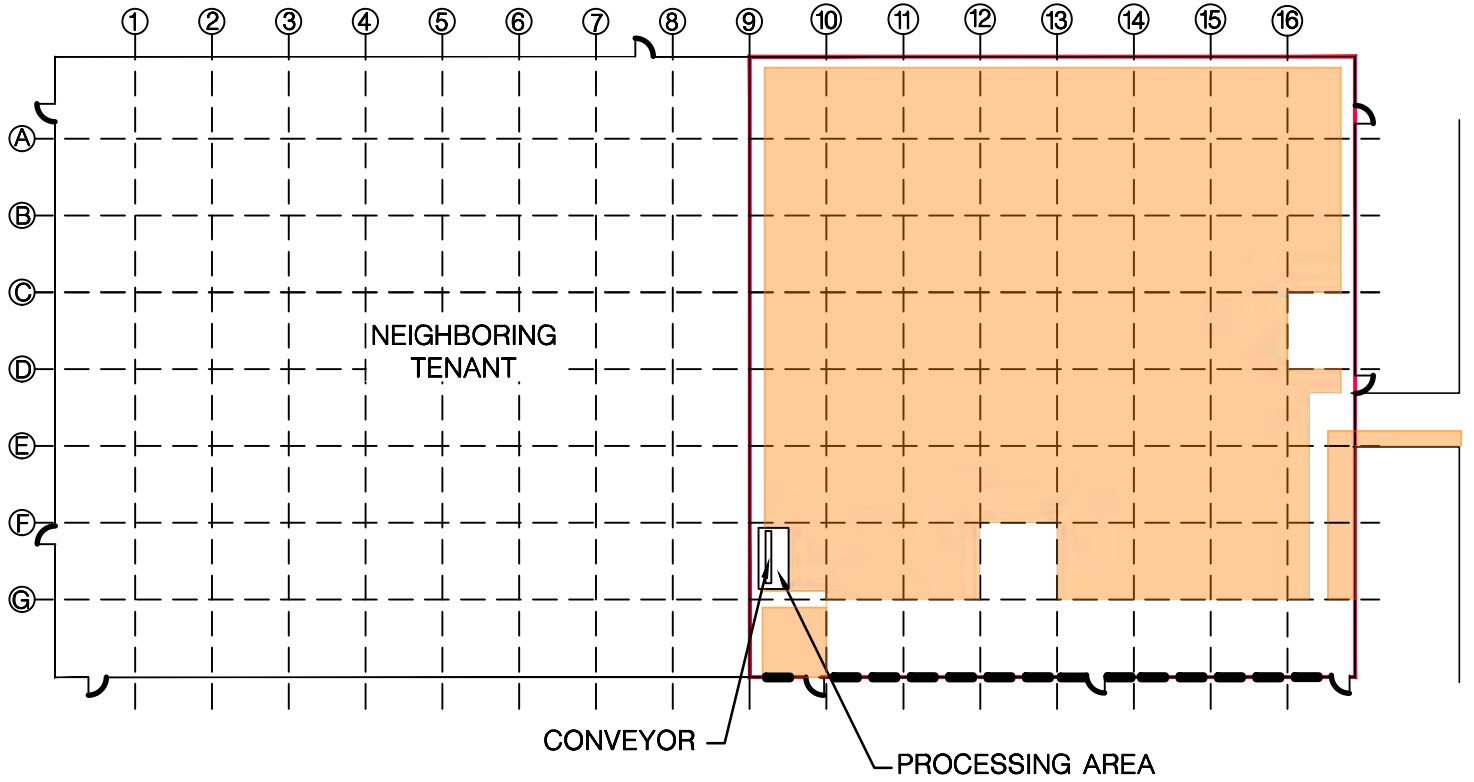

FIGURE 2
SITE LAYOUT MAP
1655 WATKINS ROAD
COLUMBUS, OHIO

LEGEND
- CLOSED LOOP LEASE SPACE
- CRT - RELATED MATERIALS IN BOXES
- LOADING DOCK DOORS

NAD 1983 STATE PLANE
OHIO SOUTH FEET

0 50 100
SCALE IN FEET

REQUESTED BY:	NB
DRAWN BY:	KMB
DATE:	2/19/2019
PROJECT:	0888823935

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DATA SOURCES: Genesis Planning and Design - 300 East Broad Street, Suite 310 - Columbus, Ohio 43215

I:\CAD PROJECTS\23935 Closed Loop\Plans\23935_B002_SITE LAYOUT_1655 WATKINS_OHIO.dwg

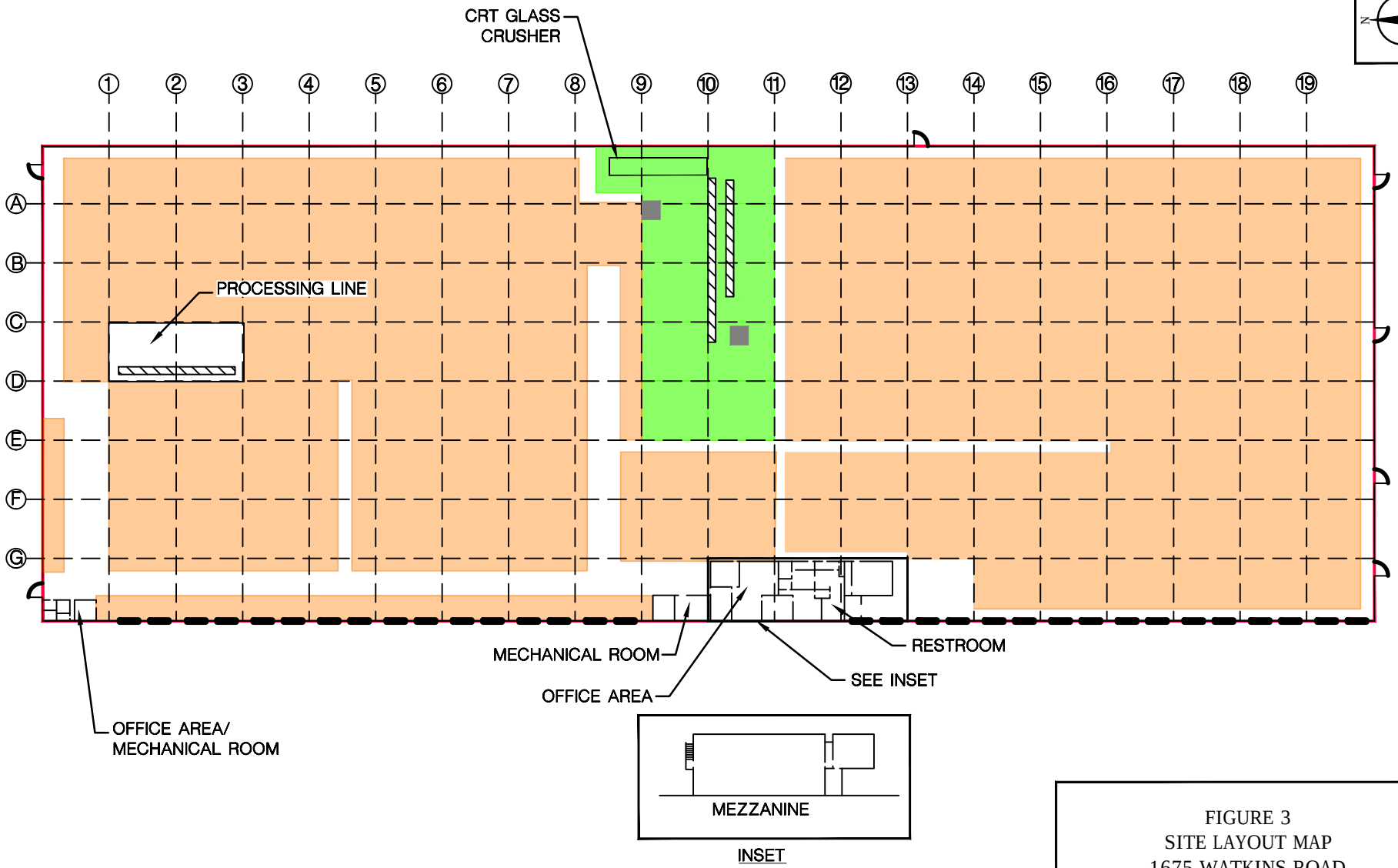

FIGURE 3
SITE LAYOUT MAP
1675 WATKINS ROAD
COLUMBUS, OHIO

LEGEND

- CLOSED LOOP LEASE SPACE
- CRT - RELATED MATERIALS IN BOXES
- CRT - CRUSHED GLASS PROCESSING AREA
- CONVEYORS
- LOADING DOCK DOORS
- DUST COLLECTORS

NAD 1983 STATE PLANE OHIO SOUTH FEET

0 50 100

SCALE IN FEET

REQUESTED BY:	NB
DRAWN BY:	KMB
DATE:	2/19/2019
PROJECT:	0888823935

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Appendix A
2015 AECOM Baseline Environmental Conditions and Closure Cost Evaluation

BASELINE ENVIRONMENTAL CONDITIONS AND CLOSURE COST EVALUATION

THE CLOSED LOOP INC. FACILITY
1675 & 1655 WATKINS ROAD
COLUMBUS, OHIO

Prepared for:

Garrison Southfield Park LLC
1290 Avenue of the Americas, 9th Floor
New York, NY 10104

December 1, 2015

1375 Euclid Avenue, Suite 600
Cleveland, Ohio 44115
Phone: (216) 622-2400
Project No. 60447615

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Figure 4 Sample Location Grid – Building 1655

Figure 5 Sample Location Grid – Building 1675

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Appendix B Certificates of Instrument Calibration

Appendix C Laboratory Report and Data Review

Appendix D Closure Cost Support Information

AECOM Technical Services, Inc. (AECOM) was retained by Garrison Southfield Park, LLC. (GSP) to complete a Baseline Environmental Conditions and Closure Cost Evaluation to assess baseline environmental conditions of the Closed Loop facilities (the Property) located at 1675 and 1655 Watkins Road, Columbus, Franklin County, Ohio. The location of the Property is shown on **Figure 1**.

1.1 OBJECTIVES

The objective of this Report is to provide GSP a baseline of environmental conditions at the Property and estimates for the potential clean-up of hazardous materials in the buildings and removal of the existing inventory of electronic devices. The scope of work for this report was authorized by GSP, in accordance with the AECOM proposal and work order dated October 19, 2015.

1.2 PROPERTY BACKGROUND

The Property consists of two commercial buildings constructed in 1974 which are currently leased by Closed Loop Refining and Recovery, Inc. (Closed Loop) since 2012. The 1655 Watkins Road building (Building 1655) consists of manufacturing space totaling approximately 145,000 square feet and is exclusively used for inventory storage and some dismantling activities. The main manufacturing space is located at 1675 Watkins Road (Building 1675) and consists of approximately 290,000 square feet of manufacturing and office space.

Closed Loop accepts electronic wastes including cathode ray tubes (CRTs), flat-screen displays, projection televisions, and other electronic waste for disassembly and recycling. The primary operations at the Property include mechanical dismantling of mainly CRTs at the Property. The dismantling is conducted at first by manual means to separate plastic and precious metals. The second phase of the work is the mechanical crushing of the glass components in a designated area of Building 1675. The interior of both buildings were observed to have a heavy dust residue from the activities conducted by Closed Loop. Photographs of the Property are provided in **Appendix A**.

1.3 COMPLIANCE AND REGULATIONS

The Property operates under Ohio Environmental Protection Agency (EPA) identification number OHR000167718 as a small quantity generator (SQG) of D008 (lead) hazardous waste (Dimeo, 2015). Waste consisting of CRTs may fall under exclusion to the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.4(a)(22) (also known as the "CRT rule") whereby used CRTs and CRT glass being recycled that meet the requirements of the exclusion are conditionally excluded from the hazardous waste regulations. This exclusion applies to broken and intact CRTs as well as crushed glass originating from CRTs (USEPA, 2015). To be granted this exclusion, the waste, if not exported, must meet the following criteria:

- Not disposed or speculatively accumulated,

- Destined for recycling,
- Stored and processed in a building with a roof, floor and walls or placed in an container that meets the regulatory requirements, not exposed to temperatures high enough to volatize lead from CRTs,
- Labeled according to the regulatory requirements,
- Transported in a container that meets the regulatory requirements, and
- Processed only in a building with roof, floor, and walls.

A potential significant issue relative to the waste at the Property is the requirement that the waste not be speculatively accumulated. Although this is not thought to be the case, the test for speculative accumulation by the USEPA is the facility operator accumulating the CRTs and CRT glass must show that the material is potentially recyclable and has a feasible means of recycling the material. During the calendar year, the amount of material that is recycled or transferred to a different site for recycling must equal at least 75 percent of that material accumulated at the beginning of the period. According to a correspondence provided to AECOM by the Garrison Investment Group, the Ohio EPA evaluated and determined that the Property was not speculatively accumulating CRT or CRT glass during the 2013 or 2014 calendar years. AECOM does not have sufficient data to determine if Closed Loop is meeting this requirement for the 2015 calendar year.

The Property is located at 1675 and 1655 Watkins Road, Columbus, Franklin County, Ohio in an industrial area southeast of Columbus (**Figure 1**).

2.1 BUILDING 1655

Closed Loop occupies the southern portion of Building 1655 and is approximately 145,000 square feet (SF). It is a single story, steel-sided structure on a concrete slab. Thirteen overhead doors and the main entrance are located along the buildings west side. During the November 2015 site visits, the building contained waste electronics and consumer items stacked in one cubic yard, corrugated fiberboard (Gaylord-type) containers on wood pallets. The containers were stacked one to four containers high and occupied approximately 81% of the floor area (**Figure 2**).

A significant amount of Gaylord containers appeared to contain unprocessed CRTs. Approximately a third of the building was inaccessible due to the close proximity of adjacent containers and material dispersed on the floor. The material volume stored in Building 1655 was estimated at 15,200 cubic yards. This estimation includes an assumption that the inaccessible areas were also stacked with Gaylord containers to the same height of what was observable. There was no activity within Building 1655 during the initial site visit; however, a fork lift was placing large-screen televisions in the building during the second site visit.

2.2 BUILDING 1675

Close Loop's main operations are located at 1675 Watkins Road (Building 1675). Building 1675 is entirely occupied by Closed Loop and includes offices, material storage, and glass crushing operations. The building contains approximately 290,000 SF of warehouse space and 9,590 SF of office space on two levels. A total of 37 overhead doors are located along the buildings west side.

An area of approximately 19,350 SF was enclosed in the central portion of the building for glass crushing operations. This glass crushing area had two entrance points for product movement with strip door curtains to minimize the migration of dust generated by glass crushing operations.

The Gaylord containers were stacked one to four high throughout the warehouse and occupied approximately 80% of the floor area (**Figure 3**). Approximately a third of the building was inaccessible due to the close proximity of adjacent containers. The volume of material stored in Building 1675 was estimated at 96,200 cubic yards. This estimation includes an assumption that the inaccessible areas were also stacked with Gaylord containers to the same height of what was observable.

During the initial site visit, significant activity was observed in the glass crushing area and along an aisle way leading to an overhead door at the buildings northwest corner. A manual waste separation line was also observed at the north end of the warehouse where workers dismantled picture tubes with a hammer and hand sorted components into Gaylord containers.

3.1 ANALYTICAL PLAN

Data was collected in accordance with the Sampling and Analysis Plan (SAP) (AECOM, 2015). The SAP established the sample locations, Quality Assurance/Quality Control (QA/QC) parameters, the selection of potential chemicals of concern (COCs), and sample collection procedures.

3.1.1 Field Quality Control

Sampling efforts included QC parameters by collecting field duplicates. One field duplicate was collected per 20 environmental samples as recommended in the SAP.

3.1.2 Potential Chemicals of Concern

Based upon the operations regarding hazardous substance use and management, the potential chemicals of concern at the Property included the following eight metals: lead, cadmium, mercury, arsenic, chromium, barium, selenium, and silver.

3.2 SAMPLE COLLECTION PROCEDURES

On November 9 and 12, 2015, AECOM collected dust surface samples throughout the Property buildings. Building 1655 was divided into 12 approximately 12,080 square foot sampling grids identified as locations 1 thorough 12 as shown in **Figure 4**. Building 1675 was divided to produce 14 sample grid locations of approximately 20,000 square feet each and identified as locations 1 through 14 (**Figure 5**).

3.2.1 Dust Sampling – Total Metals Analysis

Samples were collected in a non-abrasive manner by utilizing a 2-inch wide paint bush and a plastic scraping tool to collect a layer of accumulated dust from the floor and horizontal surfaces. A new paint brush and plastic scraper were used for each sample to limit the potential of cross contamination. The material was placed into a 4- or 8-ounce jars, depending on the analytical suite, sealed with a Teflon™ lined lid, and labeled. A total of 21 samples (including two duplicates) were collected from the floors of Building 1655 and Building 1675 as shown on the sample location maps (**Figures 4 and 5**). Nine samples (including one duplicate) were analyzed from Building 1655 and 12 samples (including one duplicate) were analyzed from Building 1675. Each sample was placed in a glass jar immediately after collection and placed in a cooler with ice for transportation to TestAmerica Laboratories in North Canton, Ohio (TestAmerica). The samples were analyzed for total metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) by EPA Method 6010/7471B.

3.2.2 Dust Sampling – Toxicity Characteristic Leaching Procedure (TCLP)

Samples were collected utilizing the same sampling procedures as for total metals analysis. Nine samples (four from Building 1655 and five from Building 1675) were collected and analyzed for toxicity characteristic leaching procedure (TCLP) for lead, cadmium, mercury, arsenic, chromium, barium, selenium, and silver by EPA Method 6010/7470A.

3.2.3 Airborne Mercury Sampling

The process being conducted by Closed Loop may also have generated elemental mercury that could become airborne inside the building. Therefore, the interior air space was sampled with a Jerome Model X431 for airborne mercury. The Jerome meter is a direct read instrument that provides real time airborne mercury concentrations. The Jerome Meter was carried by the field technician within the building to collect readings throughout the building.

The Certificate of Instrument Calibration is provided in **Appendix B**. The meter was regenerated prior to its operation in accordance with manufacturer's instructions.

3.3 DEVIATIONS

Due to the high concentration of air-borne dust in Building 1675, modified Level C respiratory protection consisting of a full-face air purifying respirators (APR) with P100 particulate filters and hooded Tyvex™ coveralls were used during sampling in that building on November 9, 2015. The respiratory protection was upgraded by substituting a combined mercury vapor and P100 particulate cartridges on November 12, 2015 as explained in the Air Monitoring section. Sampling activities were completed on November 12, 2015.

Due to the presence of stacked containers and materials, several sampling grid locations were inaccessible. This resulted in a reduction of the total number of samples from 30 to 21.

Two soil samples were scheduled to be collected from gravel pits along the central east side of Building 1655; however, due to poor access to the area, these sampling locations could not be safely accessed and the samples were not collected.

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4.1 LABORATORY CERTIFICATION DOCUMENTATION AND DATA REVIEW

Chemical data was generated by TestAmerica in North Canton, Ohio. The laboratory is certified in accordance with OAC 3745-300-04 for the analytical data presented in this Report. **Appendix C** contains copies of the laboratory certificates and the laboratory analytical reports. Analytical parameters are shown in **Table 1**.

The analytical data were reviewed by an AECOM chemist for usability in making determinations required by these sampling activities. The data review assessed sample handling and holding times; supporting QC parameters, including blank results, laboratory control sample recoveries, MS/MSD accuracy and precision, and field duplicate precision; sample dilutions; and any nonconformances reported by the laboratory.

A number of sample results were qualified as estimated due to QC nonconformances. The samples affected and reasons for qualification are specified in the data review report, included in **Appendix C**. All data were considered useable for decision making purposes.

Several of the samples were analyzed at a dilution for at least one parameter, because of an analyte concentration above the calibration range or to minimize matrix interference. The reporting limits for these samples were adjusted accordingly. The reporting limits achieved by the laboratory were sufficiently sensitive to meet the applicable standards with the exception of nine samples for arsenic. All other results for arsenic were reported as nondetect at a reporting limit below the applicable standards. Based on the nature of the samples and lack of detections in the remaining samples, it is unlikely arsenic is a chemical of concern for the Property.

4.2 ANALYTICAL RESULTS

Table 1 summarizes the analytical results for chemicals detected at least once in the samples collected from the Property. The analytical results were compared to the Ohio Voluntary Action Program (VAP) single chemical generic direct-contact soil standards (GDCSS) for commercial/industrial land use and the Toxicity Characteristic Leaching Procedure (TCLP) Regulatory Levels.

4.2.1 Total Metals Results

A total of 21 dust surface samples, including two field duplicate samples, were analyzed for RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). Nine samples (including one duplicate) were analyzed from Building 1655 and 12 samples (including one duplicate) were analyzed from Building 1675.

All metals analyzed except arsenic were detected in Property dust samples. Barium, cadmium, lead, mercury, and silver were detected in every sample. Chromium was detected in all samples except one. Selenium was only detected in one sample. Lead exceeded the VAP GDCSS for

commercial/industrial land use (800 mg/kg) in all samples with concentrations ranging from 2,200 mg/kg to 15,000 mg/kg. All other metals results were below the VAP GDCSS.

4.2.2 TCLP Results

A total of nine dust surface samples were analyzed for RCRA metals using TCLP. Four samples were analyzed from Building 1655 and five samples were analyzed from Building 1675. Barium, cadmium, chromium, and lead were detected in every sample. Mercury was detected in three samples and silver was detected in two samples. Arsenic and selenium were not detected in any samples. Lead concentrations ranged from 4.7 to 220 mg/L which exceeded the TCLP regulatory limit (5 mg/L) in all samples except DS-08-1655. All other TCLP results were below the TCLP regulatory limits.

4.3 AIRBORNE MERCURY RESULTS

Seventeen airborne mercury readings were collected using the Jerome Model X431 meter. Mercury concentrations ranged from nondetect to 0.044 mg/m^3 (Building 1675) which was slightly below the action level of 0.05 mg/m^3 as presented in the AECOM Health and Safety Plan (HASP). The mercury action level was conservatively established as half of the Occupational Safety and Health Administration (OSHA) permissible exposure limit (PEL) (NIOSH, 2015). Airborne mercury results are shown in **Table 2**.

This Report was conducted for the Closed Loop facilities (the Property) located at 1675 and 1655 Watkins Road, Columbus, Franklin County, Ohio.

5.1 SUMMARY

The Report concluded the Property buildings have been impacted by current operations. A total of 21 dust surface samples were analyzed for RCRA metals and nine dust surface samples were analyzed for RCRA metals by TCLP. Total lead exceeded the VAP GDCSS for commercial/industrial land use (800 mg/kg) in all samples with concentrations ranging from 2,200 mg/kg to 15,000 mg/kg. All other metals results were below the VAP GDCSS. TCLP lead concentrations ranged from 4.7 to 220 mg/L which exceeded the TCLP regulatory limit (5 mg/L) in all samples except DS-08-1655. Based on the TCLP exceedances, it is assumed this material will likely be classified as a hazardous material. All other TCLP results were below the TCLP regulatory limits.

5.2 CLOSURE PROCEDURES AND COSTS EVALUATION

AECOM contacted several contractors to obtain costs for Property material removal, disposal, and cleanup. AECOM has compiled the following preliminary estimates. In order to obtain an accurate cost, it would be necessary to conduct a formal bidding process.

The closure and cleanup activities involve three components, (1) the removal of stored material, (2) the disposal of stored material, and (3) the decontamination of the warehouse space. A summary of the closure and cleanup costs are described in **Table 4**.

Garrison Investment Group provided AECOM with a Site Closure Plan for the 1675 Watkins Road facility which was prepared by Closed Loop Refining and Recovery, Inc. in Phoenix, Arizona dated June 30, 2015. Information presented in this report was used for comparison purposes when developing the closure and cleanup costs. According to the Closure Plan (Closed Loop, 2015), the maximum material inventory at the facility is approximately 45,000 tons.

5.2.1 Removal and Disposal of Stored Material

The removal of the stored material would likely involve removing accumulated lead dust and loading the Gaylord boxes into trucks for transport to a processing facility or to an appropriate treatment, storage or disposal facility. Due to the volume of material being shipped, the processor may not be able to accommodate this material over a short period and may be necessary to transport the material to a temporary storage facility.

Preliminary estimates of material removal indicated a cost of $642,600. This cost includes the loading and shipping of material to a Columbus, Ohio, recycler approximately 8 miles from the Property. Due to the limited rate at which this facility can accept material, a temporary storage facility may be used to store the material at a rate of $0.35 per sf.

Material disposal costs were found to vary significantly between contractors. The most competitive rates were from a local recycler with quoted costs of $0.14 to $0.19 per pound for CRTs, leaded glass, and projection TVs. Based on site observations on November 9 and 12, 2015, the cost of material removal and offsite management would cost approximately $4.49 million. A summary of estimates received from the contractors is shown in **Appendix D**.

5.2.2 Building Decontamination

The presence of debris and dust within the two buildings may be remediated by either vacuuming with a high efficiency particulate air (HEPA) filter vacuum and/or a high pressure spray wash. It is assumed all loose contents (inventory, equipment, etc.) would be removed prior to building decontamination and the cleanup would only include the interior surfaces. Following cleanup, confirmation samples would be collected using either wipe tests or X-ray refraction (XRF) methods. All materials collected from the remediation would be tested and disposed of in accordance with Ohio EPA and USEPA regulatory requirements. Decontamination of the building may take approximately 2 weeks to complete.

Building decontamination costs were estimated at $85,000 if the rinse water was determined to be non-hazardous or up to $463,000 if the rinse water was determined to be hazardous. Based on the TCLP results for lead, it is assumed the rinse water would be classified as hazardous waste.

5.3 COST LIMITATIONS

Approximately a third of the building was inaccessible due to the close proximity of adjacent containers and materials on the floor. Gaylord containers were stacked one to four high throughout the warehouse and occupied approximately 80% of the floor area. Therefore, cost calculations include an assumption that the inaccessible areas were also stacked with Gaylord containers to the same height of what was observable.

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TABLES

Table 1
Analytical Data Summary - Building 1655
Closed Loop Facility
Columbus, Ohio

Parameter	Units	VAP Commercial/ Industrial GNS[1]	Building 1655								
			DS-01-1655 11/12/2015	DS-02-1655 11/12/2015	DS-07-1655 11/9/2015	DS-08-1655 11/9/2015	DUP A 11/9/2015	DS-09-1655 11/9/2015	DS-10-1655 11/9/2015	DS-11-1655 11/9/2015	DS-12-1655 11/9/2015
Arsenic	mg/Kg	77	30 U	30 U	26 U	71 U	140 U	23 U	22 U	28 U	26 U
Barium	mg/Kg	680,000	**450**	**150 J**	**150 J**	**300 J**	**350 J**	**140 J**	**180 J**	**210 J**	**210 J**
Cadmium	mg/Kg	2,600	**3.6 J**	**1.8 J**	**7.2 J**	**16 J**	**23 J**	**3.7 J**	**4.2 J**	**4.4 J**	**2.9 J**
Chromium	mg/Kg	210	**170**	**160**	**40**	**38 J**	**35 J**	**18**	**43**	**98**	**78**
Lead	mg/Kg	800	**13000**	**3300**	**3100**	**3000**	**2700**	**2500**	**2400**	**2300**	**2800**
Mercury	mg/Kg	3.1	**0.11**	**0.084 J**	**0.081 J**	**0.19**	**0.17**	**0.052 J**	**0.098**	**0.14**	**0.092 J**
Selenium	mg/Kg	20,000	40 U	40 U	35 U	94 U	190 U	30 U	30 U	38 U	34 U
Silver	mg/Kg	20,000	**6.1 J**	**1.7 J**	**1.3 J**	**8.2 J**	**14 J**	**2.2 J**	**3.3 J**	**5.7 J**	**5.8 J**
TCLP Analysis	**Units**	**TCLP Limits[2]**									
Arsenic	mg/L	5	0.50 U	NS	NS	0.50 U	NS	NS	0.50 U	NS	0.50 U
Barium	mg/L	100	**6.0 J**	NS	NS	**1.8 J**	NS	NS	**5.1 J**	NS	**5.7 J**
Cadmium	mg/L	1	**0.013 J**	NS	NS	**0.038 J**	NS	NS	**0.023 J**	NS	**0.019 J**
Chromium	mg/L	5	**0.025 J**	NS	NS	**0.012 J**	NS	NS	**0.039 J**	NS	**0.043 J**
Lead	mg/L	5	**180**	NS	NS	**4.7**	NS	NS	**92**	NS	**120**
Mercury	mg/L	0.2	0.0020 U	NS	NS	0.0020 U	NS	NS	0.0020 U	NS	0.0020 U
Selenium	mg/L	1	0.25 U	NS	NS	0.25 U	NS	NS	0.25 U	NS	0.25 U
Silver	mg/L	5	0.50 U	NS	NS	0.50 U	NS	NS	0.50 U	NS	0.50 U
Percent Moisture	%	--	**0.79**	**1.2**	**0.42**	**1.6**	**1**	**0.96**	**0.99**	**0.89**	**0.73**
Percent Solids	%	--	**99**	**99**	**100**	**98**	**99**	**99**	**99**	**99**	**99**

U = The analyte was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit.

NS = Not Sampled

Concentration exceeds the VAP Commercial/Industrial Standard or TCLP limits.

(1) Ohio Voluntary Action Program Generic Direct-Contact Soil Standards for Commercial/Industrial Land Use Categories (June 2015).

(2) Toxicity Characteristic Leaching Procedure (TCLP) Regulatory Levels.

Table 2
Analytical Data Summary - Building 1675
Closed Loop Facility
Columbus, Ohio

Parameter	Units	VAP Commercial/ Industrial GNS(1)	Building 1675											
			DS-01-1675 11/12/2015	DUP B 11/12/2015	DS-02-1675 11/12/2015	DS-03-1675 11/9/2015	DS-04-1675 11/9/2015	DS-08-1675 11/9/2015	DS-09-1675 11/9/2015	DS-10-1675 11/12/2015	DS-11-1675 11/9/2015	DS-12-1675 11/9/2015	DS-13-1675 11/9/2015	DS-14-1675 11/9/2015
Arsenic	mg/Kg	77	230 U	260 U	270 U	100 U	260 U	64 U	120 U	66 U	26 U	260 U	66 U	150 U
Barium	mg/Kg	680,000	**380 J**	**680 J**	**640 J**	**230 J**	**210 J**	**410 J**	**520 J**	**280 J**	**190 J**	**390 J**	**400 J**	**320 J**
Cadmium	mg/Kg	2,600	**37 J**	**48 J**	**52 J**	**16 J**	**25 J**	**15 J**	**23 J**	**5.2 J**	**4.9 J**	**33 J**	**14 J**	**30 J**
Chromium	mg/Kg	210	**50 J**	**58 J**	**54 J**	**28 J**	170 U	**35 J**	**52 J**	**40 J**	**14 J**	**37 J**	**60**	**84 J**
Lead	mg/Kg	800	**3800 J**	**13000 J**	**15000**	**2900**	**2200**	**8000**	**11000**	**6200**	**5100**	**5200**	**9100**	**2300**
Mercury	mg/Kg	3.1	**0.17**	**0.18**	**0.3**	**0.093 J**	**0.042 J**	**0.10 J**	**0.17**	**0.1**	**0.015 J**	**0.3**	**0.46**	**0.25**
Selenium	mg/Kg	20,000	310 UJ	**61 J**	370 U	140 U	350 U	85 U	170 U	88 U	35 U	350 U	89 U	200 U
Silver	mg/Kg	20,000	**16 J**	**21 J**	**14 J**	**8.7 J**	**22 J**	**9.7 J**	**14 J**	**8.4 J**	**2.5 J**	**15 J**	**6.7 J**	**15 J**
TCLP Analysis	**Units**	**TCLP Limits(2)**												
Arsenic	mg/L	5	0.50 U	NS	NS	0.50 U	NS	NS	0.50 U	NS	0.50 U	NS	0.50 U	NS
Barium	mg/L	100	**6.6 J**	NS	NS	**7.5 J**	NS	NS	**6.8 J**	NS	**7.2 J**	NS	**0.35 J**	NS
Cadmium	mg/L	1	**0.083 J**	NS	NS	**0.012 J**	NS	NS	**0.056 J**	NS	**0.0092 J**	NS	**0.088 J**	NS
Chromium	mg/L	5	**0.037 J**	NS	NS	**0.049 J**	NS	NS	**0.034 J**	NS	**0.059 J**	NS	**0.012 J**	NS
Lead	mg/L	5	**39**	NS	NS	**190**	NS	NS	**58**	NS	**220**	NS	**11**	NS
Mercury	mg/L	0.2	0.0020 U	NS	NS	**0.00017 J**	NS	NS	0.0020 U	NS	**0.000097 J**	NS	**0.00011 J**	NS
Selenium	mg/L	1	0.25 U	NS	NS	0.25 U	NS	NS	0.25 U	NS	0.25 U	NS	0.25 U	NS
Silver	mg/L	5	**0.0010 J**	NS	NS	0.50 U	NS	NS	0.50 U	NS	0.50 U	NS	**0.0013 J**	NS
Percent Moisture	%	--	**0.89**	**0.96**	**0.71**	**0.35**	**0.44**	**0.84**	**1.6**	**0.66**	**2.5**	**1.6**	**1.8**	**2**
Percent Solids	%	--	**99**	**99**	**99**	**100**	**100**	**99**	**98**	**99**	**97**	**98**	**98**	**98**

U = The analyte was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit.

NS = Not Sampled

Concentration exceeds the VAP Commercial/Industrial Standard or TCLP limits.

(1) Ohio Voluntary Action Program Generic Direct-Contact Soil Standards for Commercial/Industrial Land Use Categories (June 2015).

(2) Toxicity Characteristic Leaching Procedure (TCLP) Regulatory Levels.

Table 3
Mercury Concentrations in Ambient Air
Closed Loop Facility
Columbus, Ohio

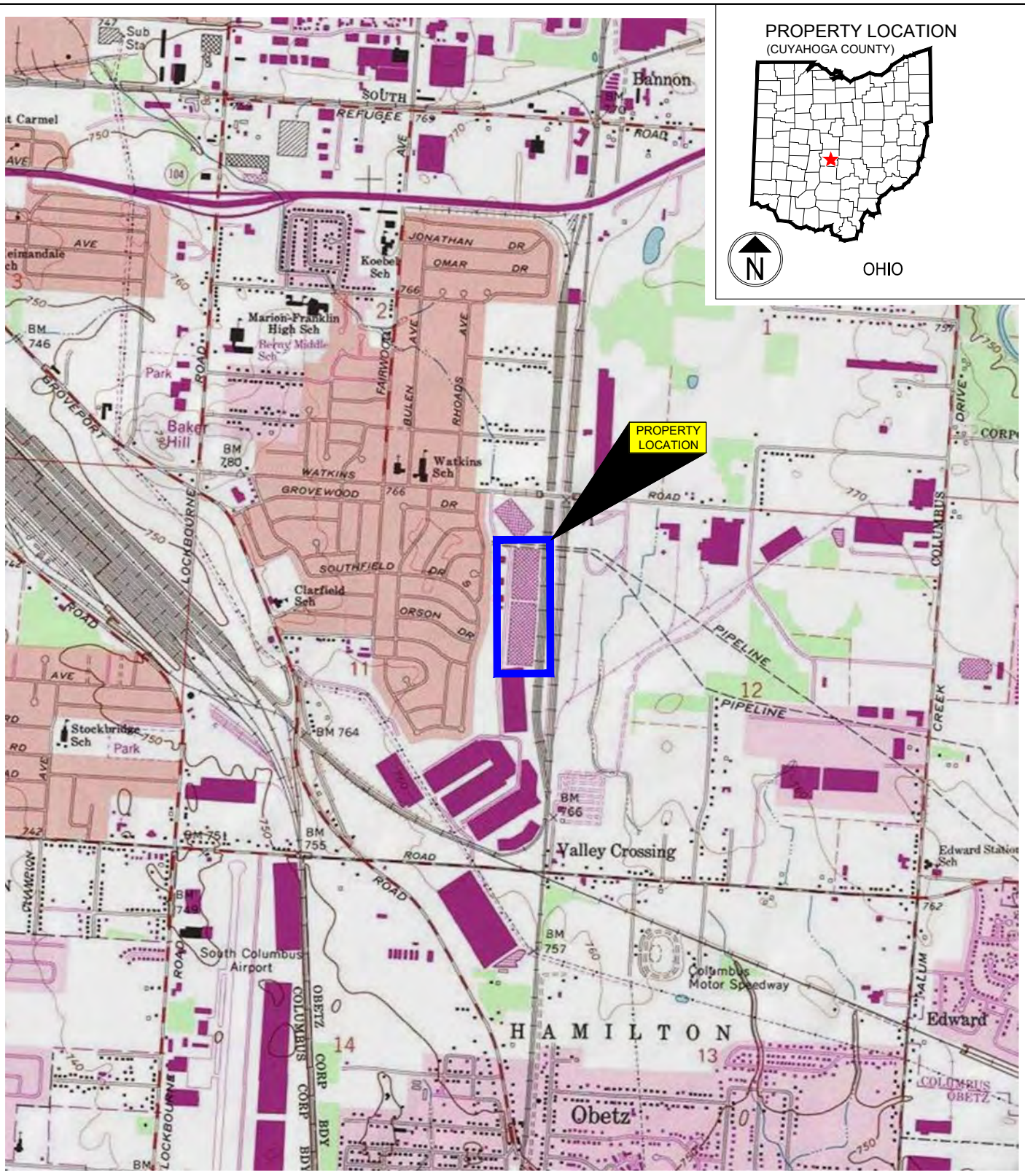
Building	Sample Grid	Date	Time	Mercury Concentration (mg/m^3)
1655	2	11/12/2015	10:05 AM	**0.007**
1655	2	11/12/2015	10:30 AM	**0.025**
1655	7	11/12/2015	10:00 AM	**0.008**
1655	8	11/9/2015	10:30 AM	<0.003
1655	10	11/9/2015	11:30 AM	<0.003
1655	10	11/12/2015	10:55 AM	**0.027**
1655	12	11/12/2015	9:55 AM	<0.003
1675	1	11/12/2015	2:25 PM	**0.025**
1675	Btw 1 & 8	11/12/2015	2:20 PM	**0.023**
1675	3	11/12/2015	3:05 PM	**0.02**
1675	3 (Conveyor)	11/12/2015	3:15 PM	**0.011**
1675	8	11/9/2015	3:45 PM	**0.035**
1675	10	11/9/2015	3:30 PM	**0.044**
1675	10	11/12/2015	1:50 PM	**0.015**
1675	11	11/12/2015	1:45 PM	**0.02**
1675	12	11/12/2015	1:35 PM	**0.034**
1675	12	11/9/2015	2:00 PM	**0.027**

Table 4
Waste Inventory Management Assumptions and Calculations
Closed Loop Facility
Columbus, Ohio

	AECOM Estimate[1]	Maximum Inventory[2]	Units	Assumptions
Waste Inventory Management				
1. Waste Inventory				
a) Recyclable material onsite	Unknown	150	tons	Waste consisting of non-ferrous metals, baled steel, card board and wooden pallets
b) Solid waste onsite	31,786	32,100	tons	Waste consisting of non-leaded glass and fines
c) Maximum hazardous waste onsite	12,625	12,750	tons	Unprocessed CRTs, leaded glass and other solid waste (e.g., PPE, filters, plastic, non-CRT electronic components)
d) Estimated total waste onsite	44,560	45,000	tons	Based on square footage calculations (Appendix D)
2. Offsite Management of Inventory				
a) Cost per truck load to haul material offsite	$300	$300	$/load	Price per truck load (EMS cost estimate) to transport to facility 8 miles away
b) Number of loads	2,142	2,142	loads	Based on square footage calculations (Appendix D) from Novotec
c) Offsite management unit cost for solid waste	$2	$2	$/ton	Price per ton for non-leaded glass (Novotec cost estimate)
d) Offsite management unit cost for hazardous	$300	$300	$/ton	Price per ton for TVs and CRTs (Novotec cost estimate)
e) Cost per ton to transport and treat recyclable material	$0	$0	$/ton	Cost offset by inherent value of material
3. Waste Management Calculations				
a) Cost to haul material offsite	$642,600	$642,600	$	
b) Offsite management solid waste unit cost	$63,572	$64,200	$	
c) Offsite management hazardous waste unit cost	$3,787,500	$3,825,000	$	
Waste Inventory Management Total:	**$4,493,672**	**$4,531,800**		
Decontamination				
1. Concrete Floor Pad & Walls Decontamination				
a) Method of decontamination	NA	NA	NA	HEPA vacuum and high pressure spray wash (one time only). Building interior only.
b) Floor and wall area to be decontaminated (square feet)	540,000	540,000	SF	All loose contents (inventory, equipment, etc.) to be removed prior to cleanup
c) Floor and wall area decontamination cost	$463,000	$463,000	Lump	Based on decontamination costs assuming hazardous waste and empty building (Precision cost estimate)
d) Verification sample costs	$2,556	$2,556	Lump	Includes costs for verification samples
Decontamination Total:	**$465,556**	**$465,556**		
Management, Coordination, and Oversight Activities[3] :	**$347,146**	**$349,815**		
Closure Estimate:	**$5,306,374**	**$5,347,171**		

1) AECOMs estimate based on visual square footage as shown on Figures 2 and 3 and calculations shown in Appendix D. Solid and hazardous waste estimates based on a percentage of the maximum inventory.
2) Maximum inventory onsite (Items 1.a through 1.d) based on Closed Loop's 2015 Closure Plan estimates.
3) Activities based on 7% of the total estimated costs.

FIGURES



USGS
SOUTHEAST COLUMBUS, OHIO

0 1000 2000
SCALE: 1"=2000'

AECOM

GARRISON SOUTHFIELD PARK, LLC

1655 AND 1675 WATKINS ROAD, COLUMBUS, OHIO

GENERAL LOCATION MAP

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JT	MW	60447615	11/3/15	1

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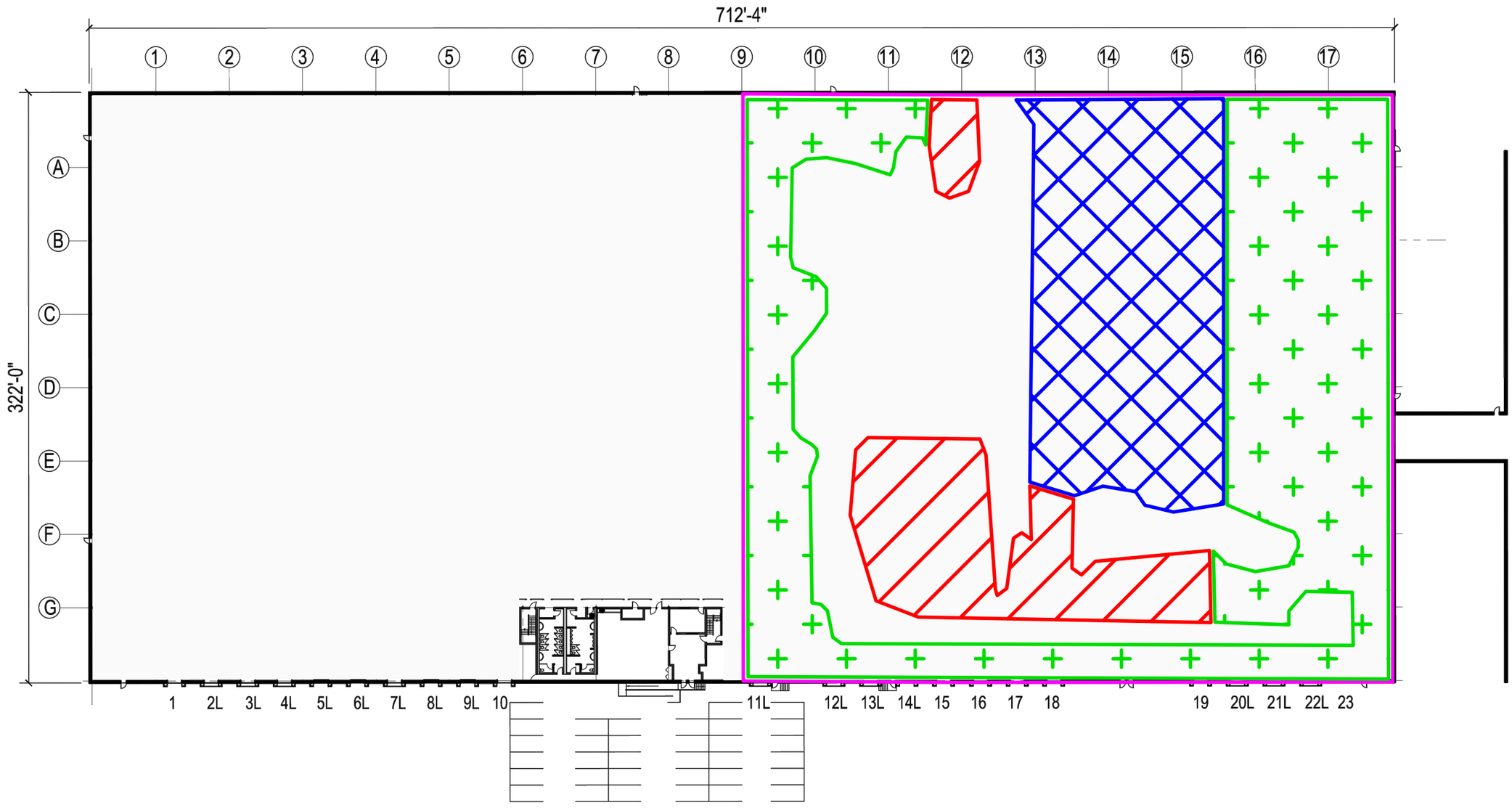

LEGEND

- CLOSED LOOP LEASE AREA
- MATERIAL STACKED 1 HIGH OR SCATTERED
- MATERIAL STACKED 2 HIGH
- MATERIAL STACKED 3–4 HIGH

0 30 60

APPROX. SCALE: 1"= 60'

N

AECOM

GARRISON SOUTHFIELD PARK

1655 & 1675 WATKINS ROAD, COLUMBUS, OHIO

MATERIAL STORAGE DISTRIBUTION BUILDING 1655

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
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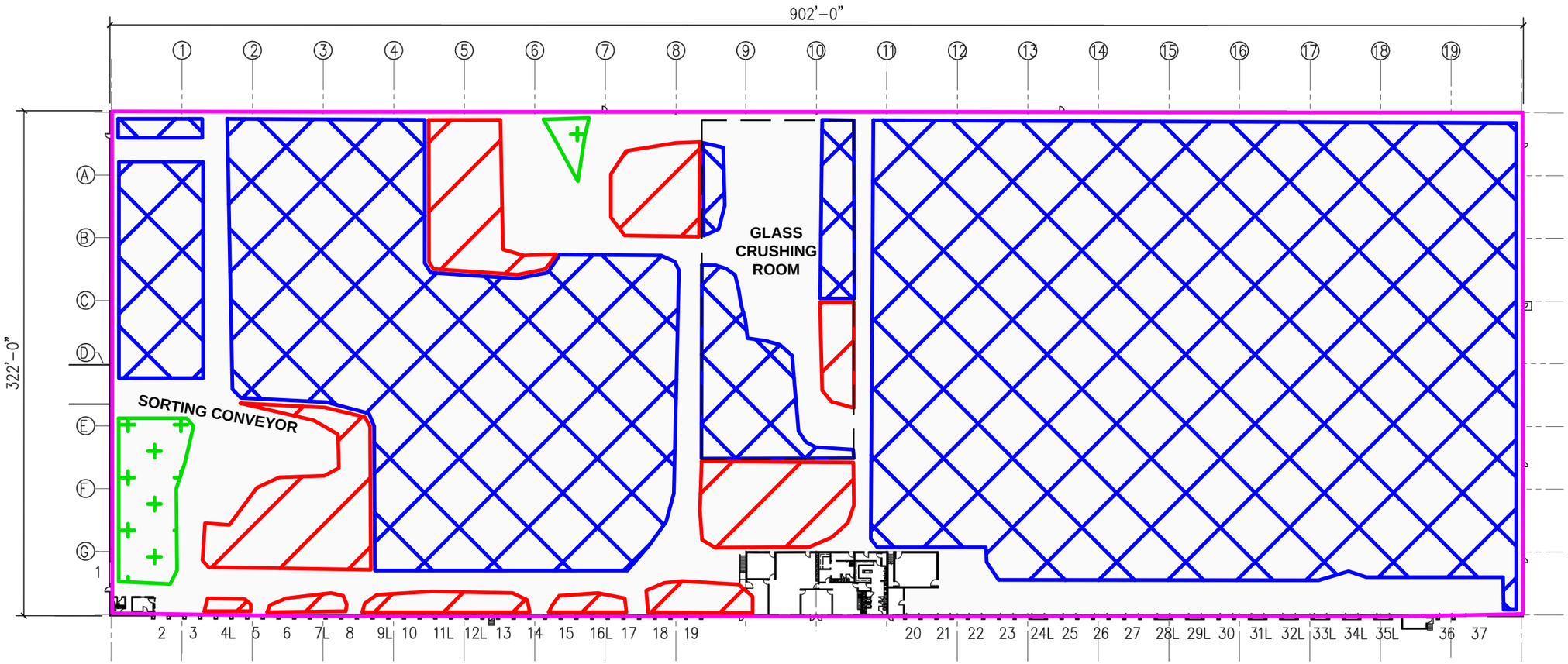

LEGEND

- CLOSED LOOP LEASE AREA
- MATERIAL STACKED 1 HIGH OR SCATTERED
- MATERIAL STACKED 2 HIGH
- MATERIAL STACKED 3–4 HIGH

0 37.5 75

APPROX. SCALE: 1"= 75'

N

AECOM

GARRISON SOUTHFIELD PARK

1655 & 1675 WATKINS ROAD, COLUMBUS, OHIO

MATERIAL STORAGE DISTRIBUTION BUILDING 1675

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JT	MW	60447615	11/25/15	3

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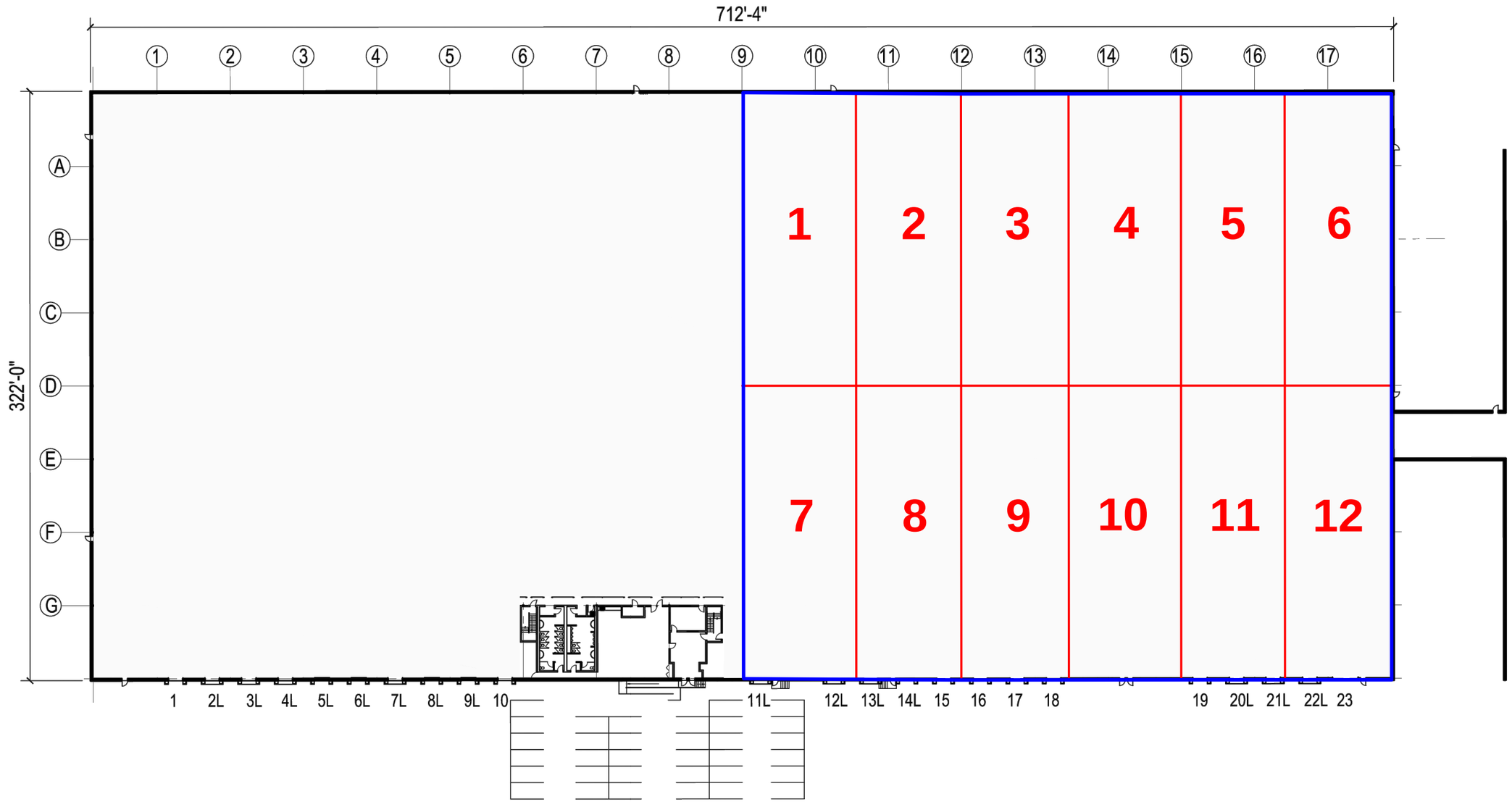

LEGEND

CLOSED LOOP LEASE AREA

SAMPLING GRID

0 30 60

APPROX. SCALE: 1"=60'

AECOM

GARRISON SOUTHFIELD PARK

1655 & 1675 WATKINS ROAD, COLUMBUS, OHIO

SAMPLE LOCATION GRID - BUILDING 1655

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JT	MW	60447615	11/25/15	4

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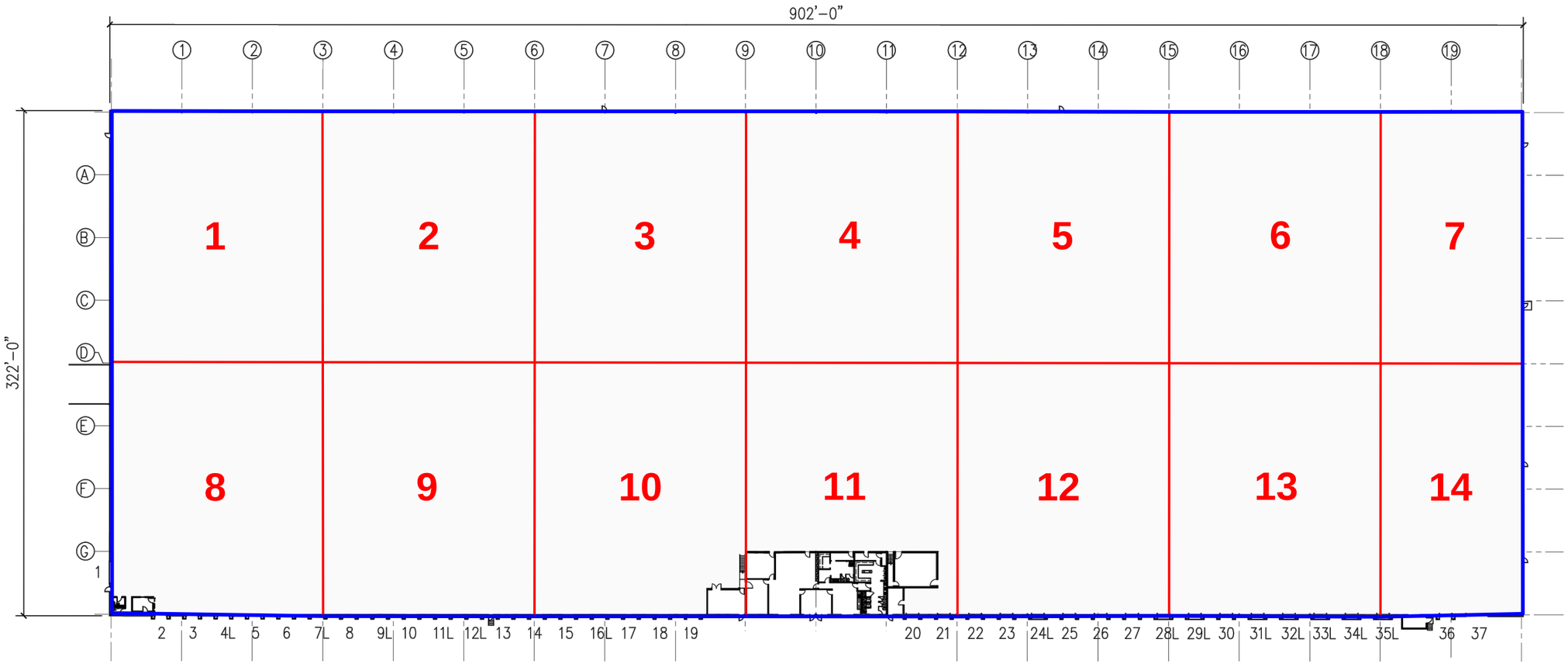

LEGEND

CLOSED LOOP LEASE AREA

SAMPLING GRID

0 37.5 75

APPROX. SCALE: 1"= 75'

AECOM

GARRISON SOUTHFIELD PARK

1655 & 1675 WATKINS ROAD, COLUMBUS, OHIO

SAMPLE LOCATION GRID - BUILDING 1675

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
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APPENDIX A

AECOM

PHOTOGRAPHIC LOG

Client Name: Garrison Southfield Park, LLC	**Site Location:** Columbus, Ohio	**Project No. 60447615**

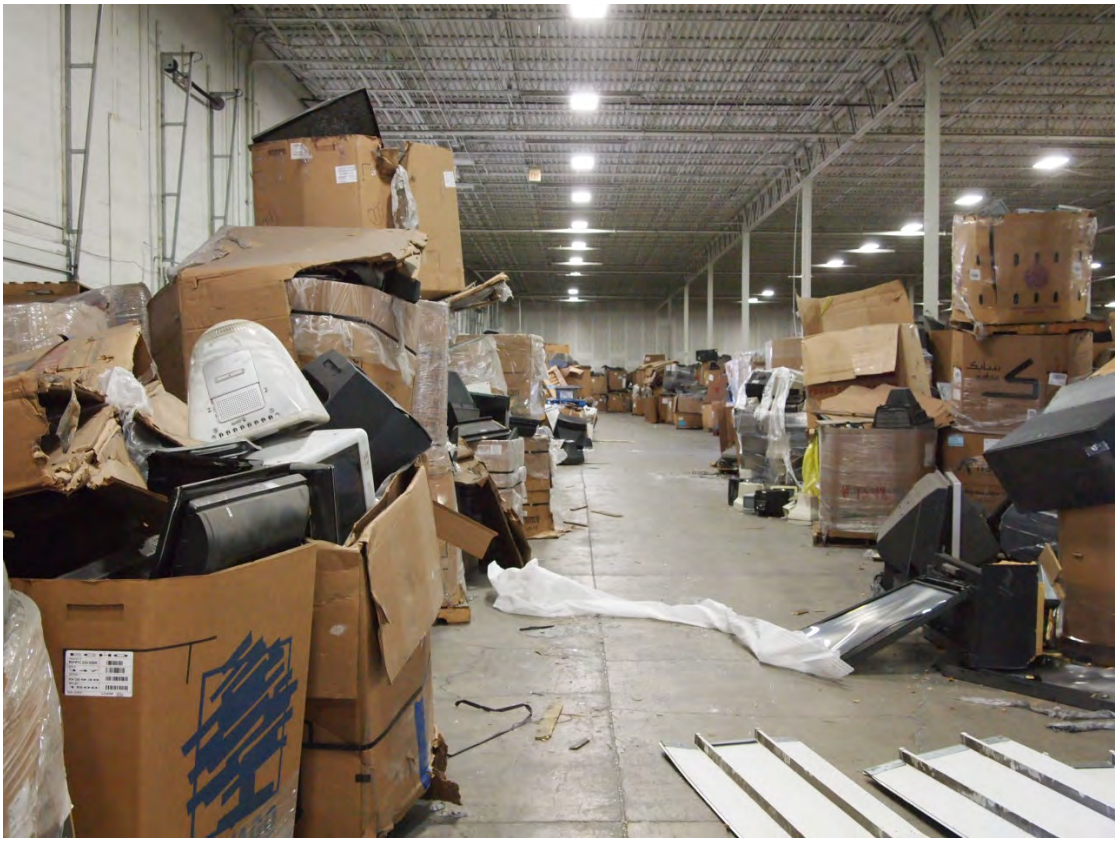
Photo No. 1	**Date:** 11/11/15

Description:

Building 1655 facing northeast

Photo No. 2	**Date:** 11/11/15

Description:
Building 1655 facing northeast



AECOM

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No. 60447615
Garrison Southfield Park, LLC	Columbus, Ohio	

Photo No. 3	Date: 11/11/15

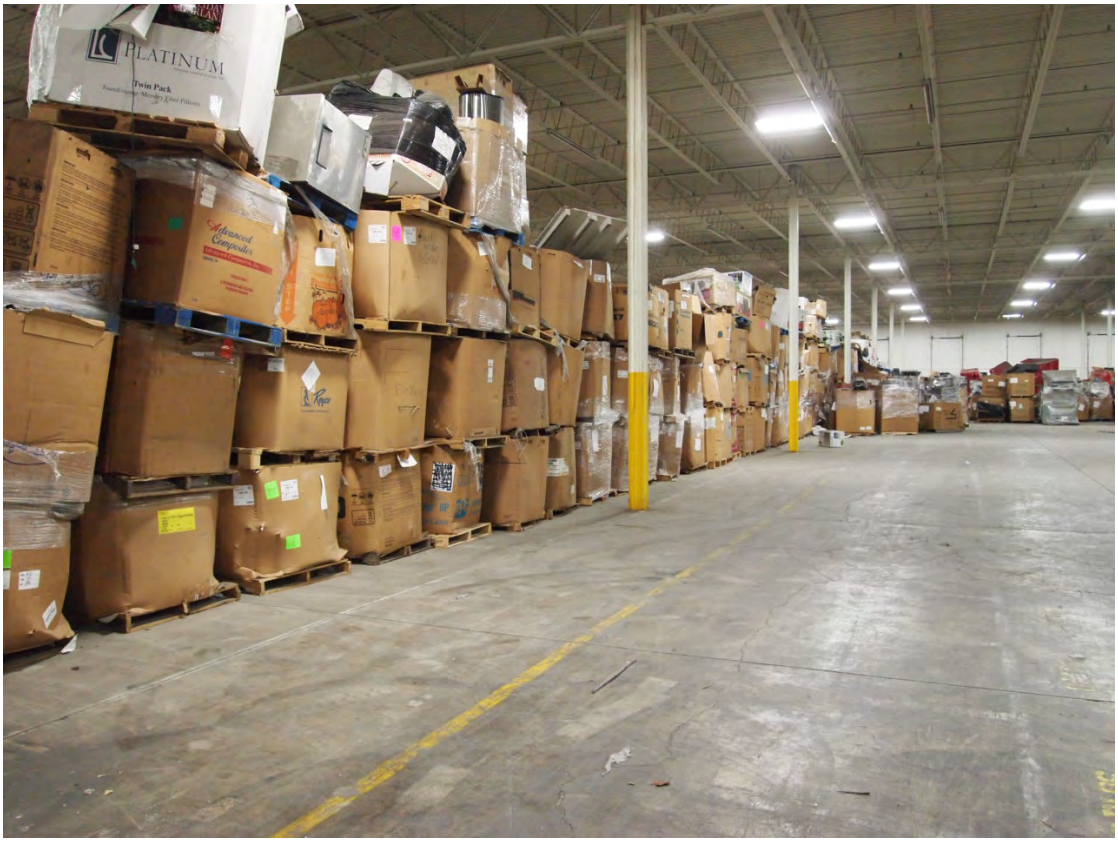
Description:

Building 1655

Photo No. 4	Date: 11/11/15

Description:

Building 1655



AECOM

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No. 60447615
Garrison Southfield Park, LLC	Columbus, Ohio	

Photo No. 5	Date: 11/11/15

Description:

Building 1675
Entrance to Closed Loop office

Photo No. 6	Date: 11/11/15

Description:

Building 1675 facing northeast

AECOM

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No. 60447615
Garrison Southfield Park, LLC	Columbus, Ohio	

Photo No. 7	Date: 11/11/15

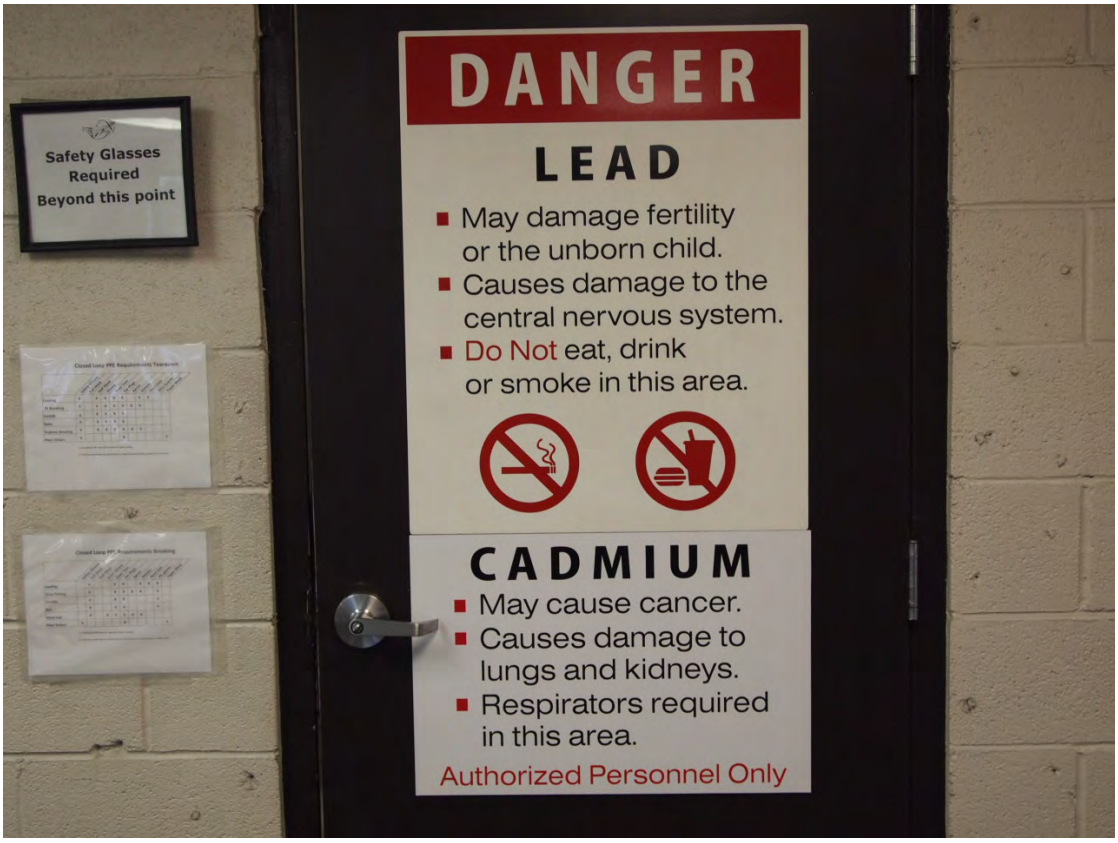
Description:

Building 1675

Photo No. 8	Date: 11/11/15

Description:

Building 1675
Entrance into the warehouse area from the offices.



AECOM

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No. 60447615
Garrison Southfield Park, LLC	Columbus, Ohio	

Photo No. 9	Date: 11/11/15

Description:

Building 1675

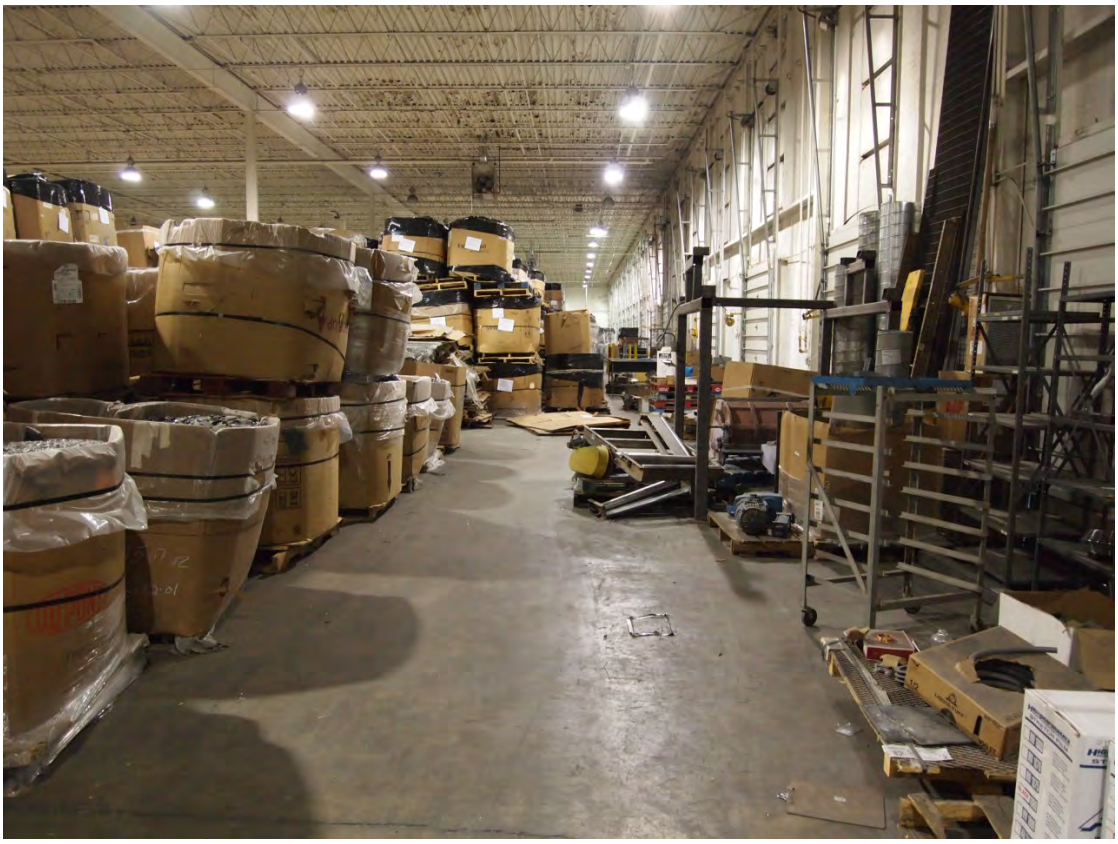


Photo No. 10	Date: 11/11/15

Description:

Building 1675

AECOM

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No. 60447615
Garrison Southfield Park, LLC	Columbus, Ohio	

Photo No. 11	Date: 11/11/15

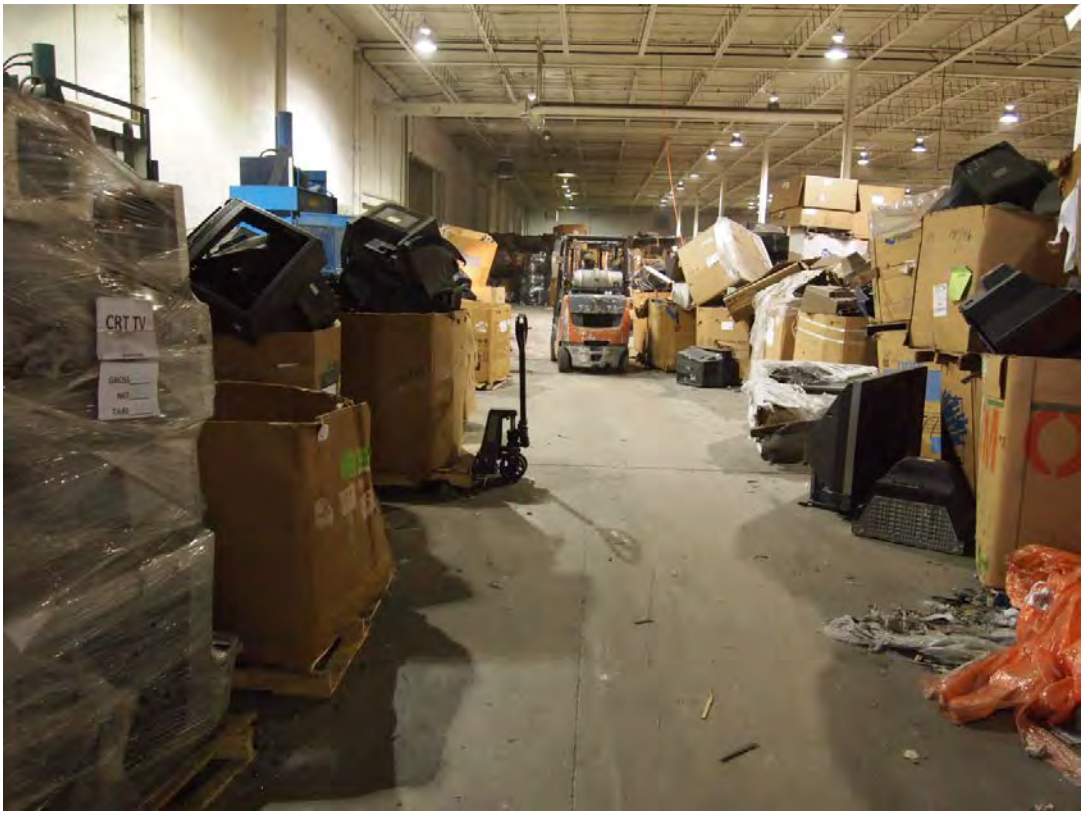
Description:

Building 1675

Photo No. 12	Date: 11/11/15

Description:

Building 1675



AECOM

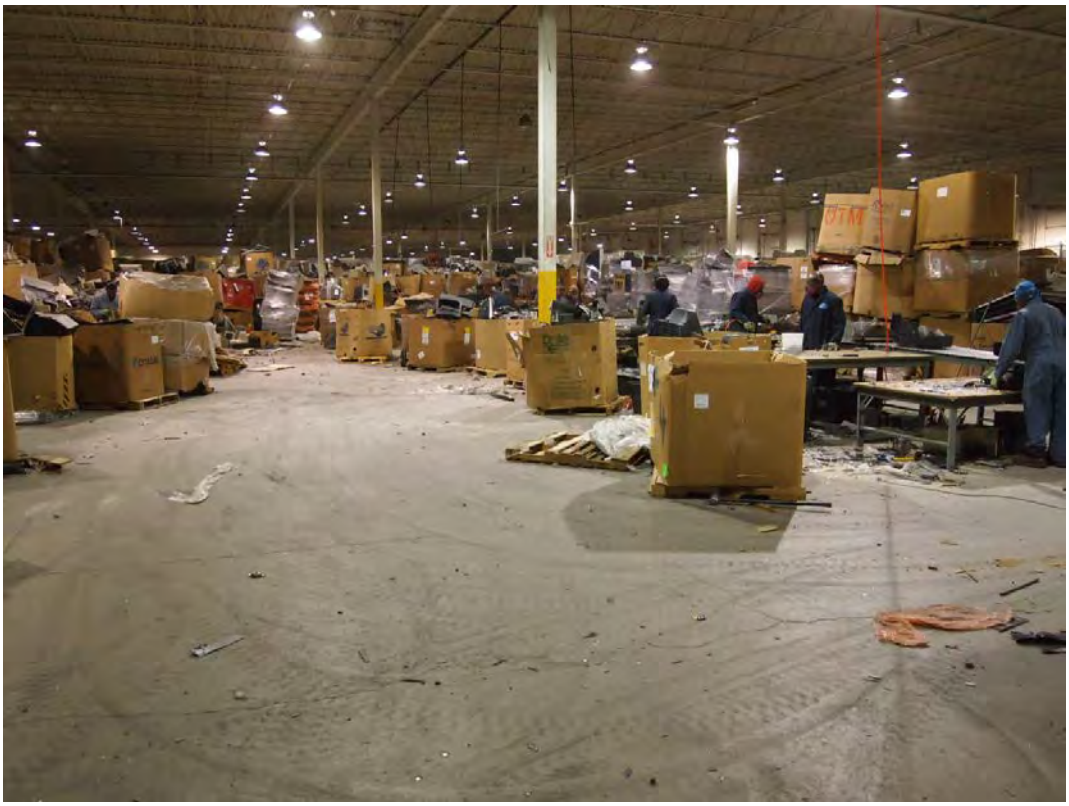
PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
Garrison Southfield Park, LLC	Columbus, Ohio	60447615

Photo No.	Date:
13	11/11/15

Description:

Building 1675



APPENDIX B

ARIZONA INSTRUMENT LLC
3375 N. Delaware St., Chandler, AZ 85225
(800) 528-7411 • (602) 470-1414
www.azic.com • customerservice@azic.com

Certification of Instrument Calibration

RMA # 2266937

Pine Environmental
92 N. Main St, Bldg 20
Windsor, NJ 08561

This is to certify that the Jerome **X431 0002** Gold Film Mercury Analyzer, Serial Number **4219**, with Sensor Number **08-9-22-X4D**, was calibrated with standard units traceable to NIST.

Calibration Status as Received: **Out of Calibration**

		Actual		Calibration Gas		Allowable Range
Incoming:	Level 1	0.064	mg/m3 Hg	0.101	mg/m3 Hg	0.096 - 0.106 mg/m3 Hg
	RSD %	11.79				<5%
Outgoing:	Level 1	0.101	mg/m3 Hg	0.100	mg/m3 Hg	0.095 - 0.105 mg/m3 Hg
	RSD %	0.80				<3%
	Level 2		mg/m3 Hg	0.025	mg/m3 Hg	0.020 - 0.030 mg/m3 Hg
	SD					<0.005 mg/m3 Hg
	Level 3		mg/m3 Hg	0.010	mg/m3 Hg	0.005 - 0.015 mg/m3 Hg
	SD					<0.005 mg/m3 Hg

Calibration Status as Left: **In Calibration**

Estimated Uncertainty of Calibration System: 3.5%

Calibration Date: 22-Sep-2015 Recalibration Date: 21-Sep-2016

Temperature °F: 74.40 % Relative Humidity: 34.10

Approved By: Cheryl Hradek Date Approved: 25-Sep-2015
Title: Cheryl Hradek - Quality Control

Equipment Used:

Permeation Tube: 498-45577 **NIST#:** ISO12712; 072958-697-060314
Calibration Date: 22-Jan-2015 **Calibration Date Due:** 22-Jan-2016

DynaCalibrator: M-1878 **NIST#:** 14-2485
Calibration Date: 19-Nov-2014 **Calibration Date Due:** 20-Nov-2015

Digital Multimeter: 89990030 **NIST#:** 7000660
Calibration Date: 14-Apr-2015 **Calibration Date Due:** 14-Apr-2016

Flowmeter: 154482 **NIST#:** 150422154482_000
Calibration Date: 22-Apr-2015 **Calibration Date Due:** 22-Apr-2016

Calibration Procedure Used: 730-0041

Arizona Instrument certifies that the above listed instrument meets or exceeds all published specifications and has been calibrated using standards whose accuracy are traceable to the NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY within the limitations of the Institute's calibration services, or have been derived from accepted values of natural physical constraints, or have been derived by the ratio type of self-calibration techniques.
Disclaimer: Any unauthorized adjustments, removal or breaking of QC seals, or other customer modifications on your Jerome Analyzer WILL VOID this factory calibration. Because any of the above acts could affect the calibration and readings of the instrument, their certification will no longer be valid and, further, Arizona Instrument LLC WILL NOT be responsible for any liabilities created as a result of using the instrument after such adjustments, seal removal, or modifications. As long as a functional test is within range, according to the procedure outlined in the Operator's Manual, the instrument is performing correctly.

APPENDIX C

AECOM

Data Quality Review Report
Closed Loop Facility
Columbus, Ohio

Data Packages: 240-57769 & 240-57899

I. INTRODUCTION

Twenty-one dust samples were collected at the Closed Loop Facility in Columbus, Ohio, on November 9 and 12, 2015. All samples were submitted to TestAmerica in North Canton, Ohio, for analysis of the parameters listed in Table 1.

Table 1
Sample and Analysis Summary

Laboratory ID	Sample ID	Sample Date	Matrix	Requested Analyses(1)	
				Metals	TCLP
240-57769-1	DS-11-1675	11/09/15	Solid	X	X
240-57769-2	DS-03-1675	11/09/15	Solid	X	X
240-57769-3	DS-13-1675	11/09/15	Solid	X	X
240-57769-4	DS-09-1675	11/09/15	Solid	X	X
240-57769-5	DS-10-1655	11/09/15	Solid	X	X
240-57769-6	DS-12-1655	11/09/15	Solid	X	X
240-57769-7	DS-08-1655	11/09/15	Solid	X	X
240-57769-8	DS-14-1675	11/09/15	Solid	X	
240-57769-9	DS-12-1675	11/09/15	Solid	X	
240-57769-10	DS-07-1655	11/09/15	Solid	X	
240-57769-11	DS-04-1675	11/09/15	Solid	X	
240-57769-12	DS-09-1655	11/09/15	Solid	X	
240-57769-13	DUP A	11/09/15	Solid	X	
240-57769-14	DS-08-1675	11/09/15	Solid	X	
240-57769-15	DS-11-1655	11/09/15	Solid	X	
240-57899-1	DS-01-1675	11/12/15	Solid	X	X
240-57899-2	DS-01-1655	11/12/15	Solid	X	X
240-57899-3	DS-02-1655	11/12/15	Solid	X	
240-57899-4	DS-10-1675	11/12/15	Solid	X	
240-57899-5	DS-02-1675	11/12/15	Solid	X	
240-57899-6	DUP B	11/12/15	Solid	X	

(1) Method References: Metals = Total Metals by SW-846 Method 6010C/7471B
TCLP = Toxicity Characteristic Leaching Procedure Metals by SW-846 Method 6010C/7470A

Source: SW-846 = "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, Third Edition, November 1986 and its updates.

AECOM performed a standard review for data quality for all samples listed in Table 1. A standard review includes assessment of supporting quality control (QC) parameters and a review for compliance with the cited methods, but does not include reconstruction of the analytical data. The following information was reviewed:

- Report Narratives
- Chain-of-Custody and sample login documents
- AECOM sample ID and laboratory sample ID
- Sample results by sample, by analytical fraction
- Analytical methods performed
- Units of measure and detection limits
- Laboratory data qualifiers
- Date samples were digested and/or analyzed
- Laboratory Method Blank results
- Laboratory Control Sample (LCS) results
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) results
- Duplicate sample results
- Surrogate recoveries (where applicable)
- Internal Standard responses (where applicable and noted in case narratives)
- Any nonconformances or analytical problems noted in the case narratives
- Electronic Data

Guidance documents for the review process included the referenced analytical methods, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review" (July 2008), and "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review" (October 2004).

II. DATA REVIEW

The sections below describe the data review procedures and any findings identified during the review process. Unless otherwise noted, the acceptance criteria described in each section were met for each sample, and no qualifications were required. The qualifier flags used are as follows:

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

A. Sample Receipt and Handling

The Chain of Custody and sample receiving documents are reviewed for correct sample identifications, preservatives, temperatures, dates, signatures, and condition of the containers and custody seals upon receipt. Lack of proper preservation can result in qualification or rejection of data, depending on the specific parameters and severity of the exceedance. Other discrepancies or deficiencies may require contacting the laboratory for additional information and are assessed in accordance with the guidance documents on a case-by-case basis.

- All samples were received intact at the laboratory. The cooler temperatures at the time of receipt were 0.4°C and 4.7°C, within SW-846 preservation criteria (SW-846 preservation guidelines require that samples be maintained at ≤6°C). No discrepancies were noted on the login documents.

B. Holding Times

The laboratory report is reviewed to determine if analyses were performed within the method-required holding times.

- The analyses performed on the samples under review were in compliance with method holding time criteria.

C. Blanks

Blank samples can include laboratory method blanks, instrument blanks, equipment blanks, and trip blanks. Blanks are evaluated to determine whether conditions exist resulting in reported sample concentrations that are not related to site contamination (i.e., if samples are contaminated from an external source). Contamination introduced from an external source is demonstrated when an analyte is detected in a blank, and the concentration in an associated sample is not significantly higher (less than five times for most analytes or less than ten times for common laboratory contaminants).

- Arsenic was detected in the TCLP method blank in both data packages. The concentrations in the associated samples were less than five times the concentration in the method blank; therefore, the associated samples were qualified as nondetect (“U”) at the reporting limit.

- Barium, chromium, and/or lead were detected in the TCLP method blank in one or both data packages. The concentrations in the associated samples were greater than five times the concentration in the method blank; therefore, no qualifications were necessary.

- Lead and/or chromium were detected in the total metals method blank in one or both data packages. The concentrations in the associated samples were greater than five times the concentration in the method blank; therefore, no qualifications were necessary.

D. Laboratory Control Samples

A Laboratory Control Sample (LCS) is a “contaminant-free matrix” spiked with a known concentration of all analytes of interest or a representative subset of the target analytes. The LCS is carried through the complete sample preparation and the analytical procedures and thereby provides information on the method’s performance. Percent recoveries are monitored to provide a

continuous measure of each method's accuracy. The LCS recoveries are compared with established method performance criteria to determine data acceptability.

- All LCS recoveries were within the laboratory's QC acceptance criteria.

E. Matrix Spike/Matrix Spike Duplicate Samples

An aliquot of the matrix (i.e., a groundwater sample) is spiked with a known concentration of representative analytes of interest to obtain Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples. The MS/MSD samples are subjected to the entire preparation and analytical procedure in order to assess matrix effects on the method, as well as to evaluate instrument performance. Accuracy and precision for the matrix are determined by calculating the percent recovery and the relative percent difference (RPD) of the two spiked samples.

- MS/MSD analyses were not performed during this sampling event.

F. Duplicate/Replicate Samples

Duplicate or replicate samples are analyzed to monitor and estimate the precision of data generated. Field duplicate results also serve as an indicator of sample representativeness and data reproducibility. If significant differences between analyses are identified, associated data are qualified as estimated.

- Samples DS-08-1655 and DUP-A and DS-01-1675 and DUP-B were collected as field duplicates. The field duplicate results for samples DS-01-1675 and DUP-B for barium, lead, and selenium did not meet project acceptance criteria for precision. The results were qualified as estimated ("J"/"UJ"). All other results met the project acceptance criteria for precision.

III. DATA USABILITY

Based on the findings of this data quality review, the analytical data are considered usable for supporting project objectives.

The final data set, with qualifiers, is presented in Table 2.

Table 2
Analytical Data Summary
Closed Loop Facility
Columbus, Ohio

Parameter	Units	Building 1655								
		DS-01-1655 11/12/2015	DS-02-1655 11/12/2015	DS-07-1655 11/9/2015	DS-08-1655 11/9/2015	DUP A 11/9/2015	DS-09-1655 11/9/2015	DS-10-1655 11/9/2015	DS-11-1655 11/9/2015	DS-12-1655 11/9/2015
Arsenic	mg/Kg	30 U	30 U	26 U	71 U	140 U	23 U	22 U	28 U	26 U
Barium	mg/Kg	**450**	**150 J**	**150 J**	**300 J**	**350 J**	**140 J**	**180 J**	**210 J**	**210 J**
Cadmium	mg/Kg	**3.6 J**	**1.8 J**	**7.2 J**	**16 J**	**23 J**	**3.7 J**	**4.2 J**	**4.4 J**	**2.9 J**
Chromium	mg/Kg	**170**	**160**	**40**	**38 J**	**35 J**	**18**	**43**	**98**	**78**
Lead	mg/Kg	**13000**	**3300**	**3100**	**3000**	**2700**	**2500**	**2400**	**2300**	**2800**
Mercury	mg/Kg	**0.11**	**0.084 J**	**0.081 J**	**0.19**	**0.17**	**0.052 J**	**0.098**	**0.14**	**0.092 J**
Selenium	mg/Kg	40 U	40 U	35 U	94 U	190 U	30 U	30 U	38 U	34 U
Silver	mg/Kg	**6.1 J**	**1.7 J**	**1.3 J**	**8.2 J**	**14 J**	**2.2 J**	**3.3 J**	**5.7 J**	**5.8 J**
TCLP Analysis	**Units**									
Arsenic	mg/L	0.50 U	NS	NS	0.50 U	NS	NS	0.50 U	NS	0.50 U
Barium	mg/L	**6.0 J**	NS	NS	**1.8 J**	NS	NS	**5.1 J**	NS	**5.7 J**
Cadmium	mg/L	**0.013 J**	NS	NS	**0.038 J**	NS	NS	**0.023 J**	NS	**0.019 J**
Chromium	mg/L	**0.025 J**	NS	NS	**0.012 J**	NS	NS	**0.039 J**	NS	**0.043 J**
Lead	mg/L	**180**	NS	NS	**4.7**	NS	NS	**92**	NS	**120**
Mercury	mg/L	0.0020 U	NS	NS	0.0020 U	NS	NS	0.0020 U	NS	0.0020 U
Selenium	mg/L	0.25 U	NS	NS	0.25 U	NS	NS	0.25 U	NS	0.25 U
Silver	mg/L	0.50 U	NS	NS	0.50 U	NS	NS	0.50 U	NS	0.50 U
Percent Moisture	%	**0.79**	**1.2**	**0.42**	**1.6**	**1**	**0.96**	**0.99**	**0.89**	**0.73**
Percent Solids	%	**99**	**99**	**100**	**98**	**99**	**99**	**99**	**99**	**99**

U = The analyte was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

NS = Not Sampled

Table 2
Analytical Data Summary
Closed Loop Facility
Columbus, Ohio

Parameter	Units	Building 1675											
		DS-01-1675 11/12/2015	DUP B 11/12/2015	DS-02-1675 11/12/2015	DS-03-1675 11/9/2015	DS-04-1675 11/9/2015	DS-08-1675 11/9/2015	DS-09-1675 11/9/2015	DS-10-1675 11/12/2015	DS-11-1675 11/9/2015	DS-12-1675 11/9/2015	DS-13-1675 11/9/2015	DS-14-1675 11/9/2015
Arsenic	mg/Kg	230 U	260 U	270 U	100 U	260 U	64 U	120 U	66 U	26 U	260 U	66 U	150 U
Barium	mg/Kg	**380 J**	**680 J**	**640 J**	**230 J**	**210 J**	**410 J**	**520 J**	**280 J**	**190 J**	**390 J**	**400 J**	**320 J**
Cadmium	mg/Kg	**37 J**	**48 J**	**52 J**	**16 J**	**25 J**	**15 J**	**23 J**	**5.2 J**	**4.9 J**	**33 J**	**14 J**	**30 J**
Chromium	mg/Kg	**50 J**	**58 J**	**54 J**	**28 J**	170 U	**35 J**	**52 J**	**40 J**	**14 J**	**37 J**	**60**	**84 J**
Lead	mg/Kg	**3800 J**	**13000 J**	**15000**	**2900**	**2200**	**8000**	**11000**	**6200**	**5100**	**5200**	**9100**	**2300**
Mercury	mg/Kg	**0.17**	**0.18**	**0.3**	**0.093 J**	**0.042 J**	**0.10 J**	**0.17**	**0.1**	**0.015 J**	**0.3**	**0.46**	**0.25**
Selenium	mg/Kg	310 UJ	**61 J**	370 U	140 U	350 U	85 U	170 U	88 U	35 U	350 U	89 U	200 U
Silver	mg/Kg	**16 J**	**21 J**	**14 J**	**8.7 J**	**22 J**	**9.7 J**	**14 J**	**8.4 J**	**2.5 J**	**15 J**	**6.7 J**	**15 J**
TCLP Analysis	**Units**												
Arsenic	mg/L	0.50 U	NS	NS	0.50 U	NS	NS	0.50 U	NS	0.50 U	NS	0.50 U	NS
Barium	mg/L	**6.6 J**	NS	NS	**7.5 J**	NS	NS	**6.8 J**	NS	**7.2 J**	NS	**0.35 J**	NS
Cadmium	mg/L	**0.083 J**	NS	NS	**0.012 J**	NS	NS	**0.056 J**	NS	**0.0092 J**	NS	**0.088 J**	NS
Chromium	mg/L	**0.037 J**	NS	NS	**0.049 J**	NS	NS	**0.034 J**	NS	**0.059 J**	NS	**0.012 J**	NS
Lead	mg/L	**39**	NS	NS	**190**	NS	NS	**58**	NS	**220**	NS	**11**	NS
Mercury	mg/L	0.0020 U	NS	NS	**0.00017 J**	NS	NS	0.0020 U	NS	**0.000097 J**	NS	**0.00011 J**	NS
Selenium	mg/L	0.25 U	NS	NS	0.25 U	NS	NS	0.25 U	NS	0.25 U	NS	0.25 U	NS
Silver	mg/L	**0.0010 J**	NS	NS	0.50 U	NS	NS	0.50 U	NS	0.50 U	NS	**0.0013 J**	NS
Percent Moisture	%	**0.89**	**0.96**	**0.71**	**0.35**	**0.44**	**0.84**	**1.6**	**0.66**	**2.5**	**1.6**	**1.8**	**2**
Percent Solids	%	**99**	**99**	**99**	**100**	**100**	**99**	**98**	**99**	**97**	**98**	**98**	**98**

U = The analyte was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

NS = Not Sampled

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-57899-1
TestAmerica SDG: Garrison Southfield Park, LLC
Client Project/Site: Closed Loop

For:
URS Corporation
1375 Euclid Avenue
Suite 600
Cleveland, Ohio 44115

Attn: Seda Ergun

Authorized for release by:
11/18/2015 5:05:07 PM

Mark Loeb, Project Manager II
(330)966-9387
mark.loeb@testamericainc.com

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Definitions/Glossary

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57899-1
SDG: Garrison Southfield Park, LLC

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-57899-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: URS Corporation

Project: Closed Loop

Report Number: 240-57899-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 11/13/2015 2:34 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.4° C.

TCLP METALS (ICP)

Samples DS-01-1675 (240-57899-1) and DS-01-1655 (240-57899-2) were analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/6010C. The samples were leached on 11/16/2015, prepared on 11/17/2015 and analyzed on 11/18/2015.

Barium and Lead were detected in method blank MB 240-207131/2-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Arsenic, Barium, Chromium and Lead were detected in method blank LB 240-207033/1-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Samples DS-01-1675 (240-57899-1)[5X] and DS-01-1655 (240-57899-2)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Job ID: 240-57899-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)

Samples DS-01-1675 (240-57899-1), DS-01-1655 (240-57899-2), DS-02-1655 (240-57899-3), DS-10-1675 (240-57899-4), DS-02-1675 (240-57899-5) and DUP B (240-57899-6) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 11/17/2015 and analyzed on 11/18/2015.

Chromium was detected in method blank MB 240-207146/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

The following samples was diluted due to the nature of the sample matrix: DS-01-1675 (240-57899-1)[200X], DS-01-1655 (240-57899-2) [20X], DS-02-1655 (240-57899-3)[20X], DS-10-1675 (240-57899-4)[50X], DS-02-1675 (240-57899-5)[200X] and DUP B (240-57899-6) [200X]. Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TCLP MERCURY

Samples DS-01-1675 (240-57899-1) and DS-01-1655 (240-57899-2) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 11/16/2015, prepared on 11/17/2015 and analyzed on 11/18/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

MERCURY

Samples DS-01-1675 (240-57899-1), DS-01-1655 (240-57899-2), DS-02-1655 (240-57899-3), DS-10-1675 (240-57899-4), DS-02-1675 (240-57899-5) and DUP B (240-57899-6) were analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 11/17/2015 and analyzed on 11/18/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples DS-01-1675 (240-57899-1), DS-01-1655 (240-57899-2), DS-02-1655 (240-57899-3), DS-10-1675 (240-57899-4), DS-02-1675 (240-57899-5) and DUP B (240-57899-6) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 11/13/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57899-1
SDG: Garrison Southfield Park, LLC

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
7471B	Mercury (CVAA)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57899-1
SDG: Garrison Southfield Park, LLC

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-57899-1	DS-01-1675	Solid	11/12/15 00:00	11/13/15 14:34
240-57899-2	DS-01-1655	Solid	11/12/15 00:00	11/13/15 14:34
240-57899-3	DS-02-1655	Solid	11/12/15 00:00	11/13/15 14:34
240-57899-4	DS-10-1675	Solid	11/12/15 00:00	11/13/15 14:34
240-57899-5	DS-02-1675	Solid	11/12/15 00:00	11/13/15 14:34
240-57899-6	DUP B	Solid	11/12/15 00:00	11/13/15 14:34

Detection Summary

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57899-1
SDG: Garrison Southfield Park, LLC

Client Sample ID: DS-01-1675 — Lab Sample ID: 240-57899-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	380	J	3100	64	mg/Kg	200	☼	6010C	Total/NA
Cadmium	37	J	78	3.3	mg/Kg	200	☼	6010C	Total/NA
Chromium	50	J B	160	12	mg/Kg	200	☼	6010C	Total/NA
Lead	3800		160	3.4	mg/Kg	200	☼	6010C	Total/NA
Silver	16	J	160	9.9	mg/Kg	200	☼	6010C	Total/NA
Arsenic	0.0047	J B	0.50	0.0029	mg/L	1		6010C	TCLP
Barium	6.6	J B	10	0.0010	mg/L	1		6010C	TCLP
Cadmium	0.083	J	0.10	0.00014	mg/L	1		6010C	TCLP
Chromium	0.037	J B	0.50	0.00055	mg/L	1		6010C	TCLP
Lead	39	B	2.5	0.0095	mg/L	5		6010C	TCLP
Silver	0.0010	J	0.50	0.00092	mg/L	1		6010C	TCLP
Hg	0.17		0.10	0.014	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-01-1655 — Lab Sample ID: 240-57899-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	450		400	8.1	mg/Kg	20	☼	6010C	Total/NA
Cadmium	3.6	J	9.9	0.42	mg/Kg	20	☼	6010C	Total/NA
Chromium	170	B	20	1.5	mg/Kg	20	☼	6010C	Total/NA
Lead	13000		20	0.43	mg/Kg	20	☼	6010C	Total/NA
Silver	6.1	J	20	1.2	mg/Kg	20	☼	6010C	Total/NA
Arsenic	0.0051	J B	0.50	0.0029	mg/L	1		6010C	TCLP
Barium	6.0	J B	10	0.0010	mg/L	1		6010C	TCLP
Cadmium	0.013	J	0.10	0.00014	mg/L	1		6010C	TCLP
Chromium	0.025	J B	0.50	0.00055	mg/L	1		6010C	TCLP
Lead	180	B	50	0.19	mg/L	100		6010C	TCLP
Hg	0.11		0.11	0.016	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-02-1655 — Lab Sample ID: 240-57899-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	150	J	400	8.2	mg/Kg	20	☼	6010C	Total/NA
Cadmium	1.8	J	10	0.42	mg/Kg	20	☼	6010C	Total/NA
Chromium	160	B	20	1.5	mg/Kg	20	☼	6010C	Total/NA
Lead	3300		20	0.44	mg/Kg	20	☼	6010C	Total/NA
Silver	1.7	J	20	1.3	mg/Kg	20	☼	6010C	Total/NA
Hg	0.084	J	0.10	0.014	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-10-1675 — Lab Sample ID: 240-57899-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	280	J	880	18	mg/Kg	50	☼	6010C	Total/NA
Cadmium	5.2	J	22	0.93	mg/Kg	50	☼	6010C	Total/NA
Chromium	40	J B	44	3.3	mg/Kg	50	☼	6010C	Total/NA
Lead	6200		44	0.97	mg/Kg	50	☼	6010C	Total/NA
Silver	8.4	J	44	2.8	mg/Kg	50	☼	6010C	Total/NA
Hg	0.10		0.096	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-02-1675 — Lab Sample ID: 240-57899-5

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57899-1
SDG: Garrison Southfield Park, LLC

Client Sample ID: DS-02-1675 (Continued) — Lab Sample ID: 240-57899-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	640	J	3700	75	mg/Kg	200	☼	6010C	Total/NA
Cadmium	52	J	92	3.8	mg/Kg	200	☼	6010C	Total/NA
Chromium	54	J B	180	14	mg/Kg	200	☼	6010C	Total/NA
Lead	15000		180	4.0	mg/Kg	200	☼	6010C	Total/NA
Silver	14	J	180	12	mg/Kg	200	☼	6010C	Total/NA
Hg	0.30		0.089	0.012	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DUP B — Lab Sample ID: 240-57899-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	680	J	3500	72	mg/Kg	200	☼	6010C	Total/NA
Cadmium	48	J	88	3.7	mg/Kg	200	☼	6010C	Total/NA
Chromium	58	J B	180	13	mg/Kg	200	☼	6010C	Total/NA
Lead	13000		180	3.9	mg/Kg	200	☼	6010C	Total/NA
Selenium	61	J	350	60	mg/Kg	200	☼	6010C	Total/NA
Silver	21	J	180	11	mg/Kg	200	☼	6010C	Total/NA
Hg	0.18		0.11	0.016	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DS-01-1675

Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-1

Matrix: Solid

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0047**	**J B**	0.50	0.0029	mg/L		11/17/15 10:30	11/18/15 10:24	1
Barium	**6.6**	**J B**	10	0.0010	mg/L		11/17/15 10:30	11/18/15 10:24	1
Cadmium	**0.083**	**J**	0.10	0.00014	mg/L		11/17/15 10:30	11/18/15 10:24	1
Chromium	**0.037**	**J B**	0.50	0.00055	mg/L		11/17/15 10:30	11/18/15 10:24	1
Lead	**39**	**B**	2.5	0.0095	mg/L		11/17/15 10:30	11/18/15 10:58	5
Selenium	0.25	U	0.25	0.0040	mg/L		11/17/15 10:30	11/18/15 10:24	1
Silver	**0.0010**	**J**	0.50	0.00092	mg/L		11/17/15 10:30	11/18/15 10:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.000090	mg/L		11/17/15 14:00	11/18/15 08:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			11/13/15 16:36	1
Percent Moisture	**0.89**		0.10	0.10	%			11/13/15 16:36	1

Client Sample Results

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57899-1
SDG: Garrison Southfield Park, LLC

Client Sample ID: DS-01-1675
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-1
Matrix: Solid
Percent Solids: 99.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	230	U	230	64	mg/Kg	☼	11/17/15 11:10	11/18/15 11:14	200
Barium	**380**	**J**	3100	64	mg/Kg	☼	11/17/15 11:10	11/18/15 11:14	200
Cadmium	**37**	**J**	78	3.3	mg/Kg	☼	11/17/15 11:10	11/18/15 11:14	200
Chromium	**50**	**J B**	160	12	mg/Kg	☼	11/17/15 11:10	11/18/15 11:14	200
Lead	**3800**		160	3.4	mg/Kg	☼	11/17/15 11:10	11/18/15 11:14	200
Selenium	310	U	310	53	mg/Kg	☼	11/17/15 11:10	11/18/15 11:14	200
Silver	**16**	**J**	160	9.9	mg/Kg	☼	11/17/15 11:10	11/18/15 11:14	200

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.17**		0.10	0.014	mg/Kg	☼	11/17/15 15:55	11/18/15 11:50	1

Client Sample ID: DS-01-1655

Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-2

Matrix: Solid

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0051**	**J B**	0.50	0.0029	mg/L		11/17/15 10:30	11/18/15 10:28	1
Barium	**6.0**	**J B**	10	0.0010	mg/L		11/17/15 10:30	11/18/15 10:28	1
Cadmium	**0.013**	**J**	0.10	0.00014	mg/L		11/17/15 10:30	11/18/15 10:28	1
Chromium	**0.025**	**J B**	0.50	0.00055	mg/L		11/17/15 10:30	11/18/15 10:28	1
Lead	**180**	**B**	50	0.19	mg/L		11/17/15 10:30	11/18/15 11:10	100
Selenium	0.25	U	0.25	0.0040	mg/L		11/17/15 10:30	11/18/15 10:28	1
Silver	0.50	U	0.50	0.00092	mg/L		11/17/15 10:30	11/18/15 10:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.000090	mg/L		11/17/15 14:00	11/18/15 08:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			11/13/15 16:36	1
Percent Moisture	**0.79**		0.10	0.10	%			11/13/15 16:36	1

Client Sample ID: DS-01-1655
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-2
Matrix: Solid
Percent Solids: 99.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	30	U	30	8.1	mg/Kg	☼	11/17/15 11:10	11/18/15 10:37	20
Barium	**450**		400	8.1	mg/Kg	☼	11/17/15 11:10	11/18/15 10:37	20
Cadmium	**3.6**	**J**	9.9	0.42	mg/Kg	☼	11/17/15 11:10	11/18/15 10:37	20
Chromium	**170**	**B**	20	1.5	mg/Kg	☼	11/17/15 11:10	11/18/15 10:37	20
Lead	**13000**		20	0.43	mg/Kg	☼	11/17/15 11:10	11/18/15 10:37	20
Selenium	40	U	40	6.7	mg/Kg	☼	11/17/15 11:10	11/18/15 10:37	20
Silver	**6.1**	**J**	20	1.2	mg/Kg	☼	11/17/15 11:10	11/18/15 10:37	20

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.11**		0.11	0.016	mg/Kg	☼	11/17/15 15:55	11/18/15 11:52	1

Client Sample Results

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57899-1
SDG: Garrison Southfield Park, LLC

Client Sample ID: DS-02-1655
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-3
Matrix: Solid
Percent Solids: 98.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	30	U	30	8.2	mg/Kg	☼	11/17/15 11:10	11/18/15 10:41	20
Barium	**150**	**J**	400	8.2	mg/Kg	☼	11/17/15 11:10	11/18/15 10:41	20
Cadmium	**1.8**	**J**	10	0.42	mg/Kg	☼	11/17/15 11:10	11/18/15 10:41	20
Chromium	**160**	**B**	20	1.5	mg/Kg	☼	11/17/15 11:10	11/18/15 10:41	20
Lead	**3300**		20	0.44	mg/Kg	☼	11/17/15 11:10	11/18/15 10:41	20
Selenium	40	U	40	6.8	mg/Kg	☼	11/17/15 11:10	11/18/15 10:41	20
Silver	**1.7**	**J**	20	1.3	mg/Kg	☼	11/17/15 11:10	11/18/15 10:41	20

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.084**	**J**	0.10	0.014	mg/Kg	☼	11/17/15 15:55	11/18/15 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			11/13/15 16:36	1
Percent Moisture	**1.2**		0.10	0.10	%			11/13/15 16:36	1

Client Sample ID: DS-10-1675
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-4
Matrix: Solid
Percent Solids: 99.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	66	U	66	18	mg/Kg	☼	11/17/15 11:10	11/18/15 10:45	50
Barium	**280**	**J**	880	18	mg/Kg	☼	11/17/15 11:10	11/18/15 10:45	50
Cadmium	**5.2**	**J**	22	0.93	mg/Kg	☼	11/17/15 11:10	11/18/15 10:45	50
Chromium	**40**	**J B**	44	3.3	mg/Kg	☼	11/17/15 11:10	11/18/15 10:45	50
Lead	**6200**		44	0.97	mg/Kg	☼	11/17/15 11:10	11/18/15 10:45	50
Selenium	88	U	88	15	mg/Kg	☼	11/17/15 11:10	11/18/15 10:45	50
Silver	**8.4**	**J**	44	2.8	mg/Kg	☼	11/17/15 11:10	11/18/15 10:45	50

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.10**		0.096	0.013	mg/Kg	☼	11/17/15 15:55	11/18/15 11:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			11/13/15 16:36	1
Percent Moisture	**0.66**		0.10	0.10	%			11/13/15 16:36	1

Client Sample Results

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57899-1
SDG: Garrison Southfield Park, LLC

Client Sample ID: DS-02-1675
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-5
Matrix: Solid
Percent Solids: 99.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	270	U	270	75	mg/Kg	☼	11/17/15 11:10	11/18/15 11:18	200
Barium	**640**	**J**	3700	75	mg/Kg	☼	11/17/15 11:10	11/18/15 11:18	200
Cadmium	**52**	**J**	92	3.8	mg/Kg	☼	11/17/15 11:10	11/18/15 11:18	200
Chromium	**54**	**J B**	180	14	mg/Kg	☼	11/17/15 11:10	11/18/15 11:18	200
Lead	**15000**		180	4.0	mg/Kg	☼	11/17/15 11:10	11/18/15 11:18	200
Selenium	370	U	370	62	mg/Kg	☼	11/17/15 11:10	11/18/15 11:18	200
Silver	**14**	**J**	180	12	mg/Kg	☼	11/17/15 11:10	11/18/15 11:18	200

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.30**		0.089	0.012	mg/Kg	☼	11/17/15 15:55	11/18/15 11:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			11/13/15 16:36	1
Percent Moisture	**0.71**		0.10	0.10	%			11/13/15 16:36	1

Client Sample ID: DUP B

Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-6

Matrix: Solid
Percent Solids: 99.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	260	U	260	72	mg/Kg	☼	11/17/15 11:10	11/18/15 11:22	200
Barium	**680**	**J**	3500	72	mg/Kg	☼	11/17/15 11:10	11/18/15 11:22	200
Cadmium	**48**	**J**	88	3.7	mg/Kg	☼	11/17/15 11:10	11/18/15 11:22	200
Chromium	**58**	**J B**	180	13	mg/Kg	☼	11/17/15 11:10	11/18/15 11:22	200
Lead	**13000**		180	3.9	mg/Kg	☼	11/17/15 11:10	11/18/15 11:22	200
Selenium	**61**	**J**	350	60	mg/Kg	☼	11/17/15 11:10	11/18/15 11:22	200
Silver	**21**	**J**	180	11	mg/Kg	☼	11/17/15 11:10	11/18/15 11:22	200

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.18**		0.11	0.016	mg/Kg	☼	11/17/15 15:55	11/18/15 12:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			11/13/15 16:36	1
Percent Moisture	**0.96**		0.10	0.10	%			11/13/15 16:36	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 240-207131/2-A
Matrix: Solid
Analysis Batch: 207392

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 207131

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50	0.0029	mg/L		11/17/15 10:30	11/18/15 10:08	1
Barium	0.00105	J	10	0.0010	mg/L		11/17/15 10:30	11/18/15 10:08	1
Cadmium	0.10	U	0.10	0.00014	mg/L		11/17/15 10:30	11/18/15 10:08	1
Chromium	0.50	U	0.50	0.00055	mg/L		11/17/15 10:30	11/18/15 10:08	1
Lead	0.00416	J	0.50	0.0019	mg/L		11/17/15 10:30	11/18/15 10:08	1
Selenium	0.25	U	0.25	0.0040	mg/L		11/17/15 10:30	11/18/15 10:08	1
Silver	0.50	U	0.50	0.00092	mg/L		11/17/15 10:30	11/18/15 10:08	1

Lab Sample ID: LCS 240-207131/3-A
Matrix: Solid
Analysis Batch: 207392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 207131

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	2.09		mg/L		105	50 - 150
Barium	2.00	1.93	J	mg/L		96	50 - 150
Cadmium	0.0500	0.0501	J	mg/L		100	50 - 150
Chromium	0.200	0.197	J	mg/L		99	50 - 150
Lead	0.500	0.454	J	mg/L		91	50 - 150
Selenium	2.00	2.17		mg/L		108	50 - 150
Silver	0.0500	0.0554	J	mg/L		111	50 - 150

Lab Sample ID: MB 240-207146/1-A
Matrix: Solid
Analysis Batch: 207392

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 207146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5	U	1.5	0.41	mg/Kg		11/17/15 11:10	11/18/15 09:28	1
Barium	20	U	20	0.41	mg/Kg		11/17/15 11:10	11/18/15 09:28	1
Cadmium	0.50	U	0.50	0.021	mg/Kg		11/17/15 11:10	11/18/15 09:28	1
Chromium	0.0812	J	1.0	0.075	mg/Kg		11/17/15 11:10	11/18/15 09:28	1
Lead	1.0	U	1.0	0.022	mg/Kg		11/17/15 11:10	11/18/15 09:28	1
Selenium	2.0	U	2.0	0.34	mg/Kg		11/17/15 11:10	11/18/15 09:28	1
Silver	1.0	U	1.0	0.063	mg/Kg		11/17/15 11:10	11/18/15 09:28	1

Lab Sample ID: LCS 240-207146/2-A
Matrix: Solid
Analysis Batch: 207392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 207146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	191		mg/Kg		95	80 - 120
Barium	200	186		mg/Kg		93	80 - 120
Cadmium	5.00	4.74		mg/Kg		95	80 - 120
Chromium	20.0	19.3		mg/Kg		96	80 - 120
Lead	50.0	46.1		mg/Kg		92	80 - 120
Selenium	200	192		mg/Kg		96	80 - 120
Silver	5.00	5.14		mg/Kg		103	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LB 240-207033/1-B
Matrix: Solid
Analysis Batch: 207392

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 207131

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00495	J	0.50	0.0029	mg/L		11/17/15 10:30	11/18/15 10:03	1
Barium	0.00280	J	10	0.0010	mg/L		11/17/15 10:30	11/18/15 10:03	1
Cadmium	0.10	U	0.10	0.00014	mg/L		11/17/15 10:30	11/18/15 10:03	1
Chromium	0.00161	J	0.50	0.00055	mg/L		11/17/15 10:30	11/18/15 10:03	1
Lead	0.00758	J	0.50	0.0019	mg/L		11/17/15 10:30	11/18/15 10:03	1
Selenium	0.25	U	0.25	0.0040	mg/L		11/17/15 10:30	11/18/15 10:03	1
Silver	0.50	U	0.50	0.00092	mg/L		11/17/15 10:30	11/18/15 10:03	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-207134/2-A
Matrix: Solid
Analysis Batch: 207339

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 207134

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.000090	mg/L		11/17/15 14:00	11/18/15 08:24	1

Lab Sample ID: LCS 240-207134/3-A
Matrix: Solid
Analysis Batch: 207339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 207134

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00568		mg/L		114	80 - 120

Lab Sample ID: LB 240-207033/1-C
Matrix: Solid
Analysis Batch: 207339

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 207134

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.000090	mg/L		11/17/15 14:00	11/18/15 07:39	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-207152/1-A
Matrix: Solid
Analysis Batch: 207407

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 207152

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.10	U	0.10	0.014	mg/Kg		11/17/15 15:55	11/18/15 11:17	1

Lab Sample ID: LCS 240-207152/2-A
Matrix: Solid
Analysis Batch: 207407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 207152

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.833	0.815		mg/Kg		98	80 - 120

Method: Moisture - Percent Moisture

Lab Sample ID: 240-57899-1 DU
Matrix: Solid
Analysis Batch: 206747

Client Sample ID: DS-01-1675
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	99			99		%				0.3	20
Percent Moisture	0.89			0.61	F3	%				38	20

Metals

Leach Batch: 207033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57899-1	DS-01-1675	TCLP	Solid	1311	
240-57899-2	DS-01-1655	TCLP	Solid	1311	
LB 240-207033/1-B	Method Blank	TCLP	Solid	1311	
LB 240-207033/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 207131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57899-1	DS-01-1675	TCLP	Solid	3010A	207033
240-57899-2	DS-01-1655	TCLP	Solid	3010A	207033
LB 240-207033/1-B	Method Blank	TCLP	Solid	3010A	207033
LCS 240-207131/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 240-207131/2-A	Method Blank	Total/NA	Solid	3010A	

Prep Batch: 207134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57899-1	DS-01-1675	TCLP	Solid	7470A	207033
240-57899-2	DS-01-1655	TCLP	Solid	7470A	207033
LB 240-207033/1-C	Method Blank	TCLP	Solid	7470A	207033
LCS 240-207134/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 240-207134/2-A	Method Blank	Total/NA	Solid	7470A	

Prep Batch: 207146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57899-1	DS-01-1675	Total/NA	Solid	3050B	
240-57899-2	DS-01-1655	Total/NA	Solid	3050B	
240-57899-3	DS-02-1655	Total/NA	Solid	3050B	
240-57899-4	DS-10-1675	Total/NA	Solid	3050B	
240-57899-5	DS-02-1675	Total/NA	Solid	3050B	
240-57899-6	DUP B	Total/NA	Solid	3050B	
LCS 240-207146/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-207146/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 207152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57899-1	DS-01-1675	Total/NA	Solid	7471B	
240-57899-2	DS-01-1655	Total/NA	Solid	7471B	
240-57899-3	DS-02-1655	Total/NA	Solid	7471B	
240-57899-4	DS-10-1675	Total/NA	Solid	7471B	
240-57899-5	DS-02-1675	Total/NA	Solid	7471B	
240-57899-6	DUP B	Total/NA	Solid	7471B	
LCS 240-207152/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 240-207152/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 207339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57899-1	DS-01-1675	TCLP	Solid	7470A	207134
240-57899-2	DS-01-1655	TCLP	Solid	7470A	207134
LB 240-207033/1-C	Method Blank	TCLP	Solid	7470A	207134
LCS 240-207134/3-A	Lab Control Sample	Total/NA	Solid	7470A	207134
MB 240-207134/2-A	Method Blank	Total/NA	Solid	7470A	207134

Metals (Continued)

Analysis Batch: 207392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57899-1	DS-01-1675	TCLP	Solid	6010C	207131
240-57899-1	DS-01-1675	TCLP	Solid	6010C	207131
240-57899-1	DS-01-1675	Total/NA	Solid	6010C	207146
240-57899-2	DS-01-1655	TCLP	Solid	6010C	207131
240-57899-2	DS-01-1655	TCLP	Solid	6010C	207131
240-57899-2	DS-01-1655	Total/NA	Solid	6010C	207146
240-57899-3	DS-02-1655	Total/NA	Solid	6010C	207146
240-57899-4	DS-10-1675	Total/NA	Solid	6010C	207146
240-57899-5	DS-02-1675	Total/NA	Solid	6010C	207146
240-57899-6	DUP B	Total/NA	Solid	6010C	207146
LB 240-207033/1-B	Method Blank	TCLP	Solid	6010C	207131
LCS 240-207131/3-A	Lab Control Sample	Total/NA	Solid	6010C	207131
LCS 240-207146/2-A	Lab Control Sample	Total/NA	Solid	6010C	207146
MB 240-207131/2-A	Method Blank	Total/NA	Solid	6010C	207131
MB 240-207146/1-A	Method Blank	Total/NA	Solid	6010C	207146

Analysis Batch: 207407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57899-1	DS-01-1675	Total/NA	Solid	7471B	207152
240-57899-2	DS-01-1655	Total/NA	Solid	7471B	207152
240-57899-3	DS-02-1655	Total/NA	Solid	7471B	207152
240-57899-4	DS-10-1675	Total/NA	Solid	7471B	207152
240-57899-5	DS-02-1675	Total/NA	Solid	7471B	207152
240-57899-6	DUP B	Total/NA	Solid	7471B	207152
LCS 240-207152/2-A	Lab Control Sample	Total/NA	Solid	7471B	207152
MB 240-207152/1-A	Method Blank	Total/NA	Solid	7471B	207152

General Chemistry

Analysis Batch: 206747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57899-1	DS-01-1675	Total/NA	Solid	Moisture	
240-57899-1 DU	DS-01-1675	Total/NA	Solid	Moisture	
240-57899-2	DS-01-1655	Total/NA	Solid	Moisture	
240-57899-3	DS-02-1655	Total/NA	Solid	Moisture	
240-57899-4	DS-10-1675	Total/NA	Solid	Moisture	
240-57899-5	DS-02-1675	Total/NA	Solid	Moisture	
240-57899-6	DUP B	Total/NA	Solid	Moisture	

Lab Chronicle

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57899-1
SDG: Garrison Southfield Park, LLC

Client Sample ID: DS-01-1675
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			207033	11/16/15 17:10	SMH	TAL CAN
TCLP	Prep	3010A			207131	11/17/15 10:30	DEE	TAL CAN
TCLP	Analysis	6010C		1	207392	11/18/15 10:24	KLC	TAL CAN
TCLP	Leach	1311			207033	11/16/15 17:10	SMH	TAL CAN
TCLP	Prep	3010A			207131	11/17/15 10:30	DEE	TAL CAN
TCLP	Analysis	6010C		5	207392	11/18/15 10:58	KLC	TAL CAN
TCLP	Leach	1311			207033	11/16/15 17:10	SMH	TAL CAN
TCLP	Prep	7470A			207134	11/17/15 14:00	DEE	TAL CAN
TCLP	Analysis	7470A		1	207339	11/18/15 08:41	WAL	TAL CAN
Total/NA	Analysis	Moisture		1	206747	11/13/15 16:36	BLW	TAL CAN

Client Sample ID: DS-01-1675
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-1
Matrix: Solid
Percent Solids: 99.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			207146	11/17/15 11:10	DEE	TAL CAN
Total/NA	Analysis	6010C		200	207392	11/18/15 11:14	KLC	TAL CAN
Total/NA	Prep	7471B			207152	11/17/15 15:55	DEE	TAL CAN
Total/NA	Analysis	7471B		1	207407	11/18/15 11:50	WAL	TAL CAN

Client Sample ID: DS-01-1655
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			207033	11/16/15 17:10	SMH	TAL CAN
TCLP	Prep	3010A			207131	11/17/15 10:30	DEE	TAL CAN
TCLP	Analysis	6010C		1	207392	11/18/15 10:28	KLC	TAL CAN
TCLP	Leach	1311			207033	11/16/15 17:10	SMH	TAL CAN
TCLP	Prep	3010A			207131	11/17/15 10:30	DEE	TAL CAN
TCLP	Analysis	6010C		100	207392	11/18/15 11:10	KLC	TAL CAN
TCLP	Leach	1311			207033	11/16/15 17:10	SMH	TAL CAN
TCLP	Prep	7470A			207134	11/17/15 14:00	DEE	TAL CAN
TCLP	Analysis	7470A		1	207339	11/18/15 08:43	WAL	TAL CAN
Total/NA	Analysis	Moisture		1	206747	11/13/15 16:36	BLW	TAL CAN

Client Sample ID: DS-01-1655
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-2
Matrix: Solid
Percent Solids: 99.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			207146	11/17/15 11:10	DEE	TAL CAN

Lab Chronicle

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57899-1
SDG: Garrison Southfield Park, LLC

Client Sample ID: DS-01-1655
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-2
Matrix: Solid
Percent Solids: 99.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		20	207392	11/18/15 10:37	KLC	TAL CAN
Total/NA	Prep	7471B			207152	11/17/15 15:55	DEE	TAL CAN
Total/NA	Analysis	7471B		1	207407	11/18/15 11:52	WAL	TAL CAN

Client Sample ID: DS-02-1655
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	206747	11/13/15 16:36	BLW	TAL CAN

Client Sample ID: DS-02-1655
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-3
Matrix: Solid
Percent Solids: 98.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			207146	11/17/15 11:10	DEE	TAL CAN
Total/NA	Analysis	6010C		20	207392	11/18/15 10:41	KLC	TAL CAN
Total/NA	Prep	7471B			207152	11/17/15 15:55	DEE	TAL CAN
Total/NA	Analysis	7471B		1	207407	11/18/15 11:54	WAL	TAL CAN

Client Sample ID: DS-10-1675
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	206747	11/13/15 16:36	BLW	TAL CAN

Client Sample ID: DS-10-1675
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-4
Matrix: Solid
Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			207146	11/17/15 11:10	DEE	TAL CAN
Total/NA	Analysis	6010C		50	207392	11/18/15 10:45	KLC	TAL CAN
Total/NA	Prep	7471B			207152	11/17/15 15:55	DEE	TAL CAN
Total/NA	Analysis	7471B		1	207407	11/18/15 11:57	WAL	TAL CAN

Lab Chronicle

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57899-1
SDG: Garrison Southfield Park, LLC

Client Sample ID: DS-02-1675
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	206747	11/13/15 16:36	BLW	TAL CAN

Client Sample ID: DS-02-1675
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-5
Matrix: Solid
Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			207146	11/17/15 11:10	DEE	TAL CAN
Total/NA	Analysis	6010C		200	207392	11/18/15 11:18	KLC	TAL CAN
Total/NA	Prep	7471B			207152	11/17/15 15:55	DEE	TAL CAN
Total/NA	Analysis	7471B		1	207407	11/18/15 11:59	WAL	TAL CAN

Client Sample ID: DUP B
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	206747	11/13/15 16:36	BLW	TAL CAN

Client Sample ID: DUP B
Date Collected: 11/12/15 00:00
Date Received: 11/13/15 14:34

Lab Sample ID: 240-57899-6
Matrix: Solid
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			207146	11/17/15 11:10	DEE	TAL CAN
Total/NA	Analysis	6010C		200	207392	11/18/15 11:22	KLC	TAL CAN
Total/NA	Prep	7471B			207152	11/17/15 15:55	DEE	TAL CAN
Total/NA	Analysis	7471B		1	207407	11/18/15 12:03	WAL	TAL CAN

Laboratory References:
TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57899-1
SDG: Garrison Southfield Park, LLC

Laboratory: TestAmerica Canton

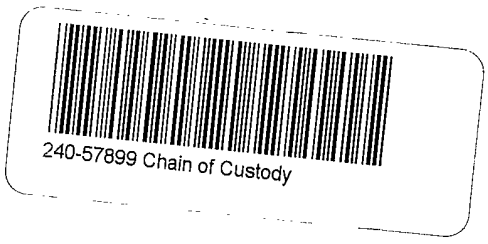
All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-17
Connecticut	State Program	1	PH-0590	12-31-15
Illinois	NELAP	5	200004	07-31-16
Kansas	NELAP	7	E-10336	01-31-16 *
Kentucky (UST)	State Program	4	58	02-26-16
Kentucky (WW)	State Program	4	98016	12-31-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-15
Nevada	State Program	9	OH-000482008A	07-31-16
New Jersey	NELAP	2	OH001	11-30-15 *
New York	NELAP	2	10975	03-31-16
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-16
Pennsylvania	NELAP	3	68-00340	08-31-16
Texas	NELAP	6	T104704517-15-5	08-31-16
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-16
Washington	State Program	10	C971	01-12-16
West Virginia DEP	State Program	3	210	12-31-15
Wisconsin	State Program	5	999518190	08-31-16

* Certification renewal pending - certification considered valid.

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



Chain of Custody Record

0.3/0.4

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
AECOM	M. Wolf	11/13	009611
Address 1375 Euclid Ave Suite 600	**Telephone Number (Area Code)/Fax Number** 216-622-2400	**Lab Number** 240	**Page** 1 of 1
City Cleveland **State** OH **Zip Code** 44115	**Site Contact** Jeff Berk	**Lab Contact** Mark Loeb	
Project Name and Location (State)	**Carrier/Waybill Number** LAB COURIER		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Solid	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Metals RCRA	TCLP Metals	Special Instructions/ Conditions of Receipt
DS-01-1675	11/12						✓							✓	✓	
DS-01-1675 DUP 1655							✓							✓	✓	
DS-02-1655							✓							✓		
DS-10-1675							✓							✓		
DS-02-1675							✓							✓		
DUP B							✓							✓		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Jeff Berk	11/13	11:30	1. Received By: RG Tobin	11-13-15	1320
2. Relinquished By: RG Tobin	11-13-15	1434	2. Received By:	11/13/15	1434
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 57899**
Canton Facility

Client AECOM Site Name

Cooler unpacked by:

Cooler Received on 11/13/15 Opened on 11/13/15

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt
   IR GUN# 53 (CF **+0.1** °C) Observed Cooler Temp. 0.3 °C Corrected Cooler Temp. 0.4 °C
   IR GUN# 48 (CF **-0.3** °C) Observed Cooler Temp. ____ °C Corrected Cooler Temp. ____ °C ☐ See Multiple Cooler Form
   ~~IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. ____ °C Corrected Cooler Temp. ____ °C~~
   IR GUN# 8 (CF **-0.5** °C) Observed Cooler Temp. ____ °C Corrected Cooler Temp. ____ °C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity ____ Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# **HC554612**
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? Yes No NA
14. Was a trip blank present in the cooler(s)? Trip Blank Lot # Yes No

Contacted PM ____ Date ____ by ____ via Verbal Voice Mail Other
Concerning ____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

Samples 1 & 2 have IDs which start with "SD" rather than "DS", which is how they are listed on the COC.

15. SAMPLE CONDITION

Sample(s) ____ were received after the recommended holding time had expired.
Sample(s) ____ were received in a broken container.
Sample(s) ____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) ____ were further preserved in the laboratory.
Time preserved: ____ Preservative(s) added/Lot number(s): ____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-57769-1
Client Project/Site: Closed Loop

For:
URS Corporation
1375 Euclid Avenue
Suite 600
Cleveland, Ohio 44115

Attn: Seda Ergun

Authorized for release by:
11/17/2015 5:22:11 PM

Mark Loeb, Project Manager II
(330)966-9387
mark.loeb@testamericainc.com

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Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-57769-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: URS Corporation

Project: Closed Loop

Report Number: 240-57769-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 11/11/2015 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7º C.

TCLP METALS (ICP)

Samples DS-11-1675 (240-57769-1), DS-03-1675 (240-57769-2), DS-13-1675 (240-57769-3), DS-09-1675 (240-57769-4), DS-10-1655 (240-57769-5), DS-12-1655 (240-57769-6) and DS-08-1655 (240-57769-7) were analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/6010C. The samples were leached on 11/12/2015, prepared on 11/13/2015 and analyzed on 11/16/2015.

Arsenic, Barium and Chromium were detected in method blank LB 240-206575/1-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

The following samples was diluted due to the nature of the sample matrix: DS-11-1675 (240-57769-1)[100X], DS-03-1675 (240-57769-2) [100X], DS-09-1675 (240-57769-4)[10X], DS-10-1655 (240-57769-5)[20X] and DS-12-1655 (240-57769-6)[100X] . Elevated reporting limits (RLs) are provided.

Insufficient sample was provided to perform the leaching procedure with the required 100g for the following sample: DS-08-1655

Job ID: 240-57769-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

(240-57769-7). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)

Samples DS-11-1675 (240-57769-1), DS-03-1675 (240-57769-2), DS-13-1675 (240-57769-3), DS-09-1675 (240-57769-4), DS-10-1655 (240-57769-5), DS-12-1655 (240-57769-6), DS-08-1655 (240-57769-7), DS-14-1675 (240-57769-8), DS-12-1675 (240-57769-9), DS-07-1655 (240-57769-10), DS-04-1675 (240-57769-11), DS-09-1655 (240-57769-12), DUP A (240-57769-13), DS-08-1675 (240-57769-14) and DS-11-1655 (240-57769-15) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 11/12/2015 and analyzed on 11/13/2015.

Lead was detected in method blank MB 240-206494/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

The following samples was diluted due to the nature of the sample matrix: DS-11-1675 (240-57769-1)[20X], DS-03-1675 (240-57769-2) [100X], DS-13-1675 (240-57769-3)[50X], DS-09-1675 (240-57769-4)[100X], DS-10-1655 (240-57769-5)[20X], DS-12-1655 (240-57769-6) [20X], DS-08-1655 (240-57769-7)[50X], DS-14-1675 (240-57769-8)[100X], DS-12-1675 (240-57769-9)[250X], DS-07-1655 (240-57769-10) [20X], DS-04-1675 (240-57769-11)[250X], DS-09-1655 (240-57769-12)[20X], DUP A (240-57769-13)[100X], DS-08-1675 (240-57769-14) [50X] and DS-11-1655 (240-57769-15)[20X]. Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TCLP MERCURY

Samples DS-11-1675 (240-57769-1), DS-03-1675 (240-57769-2), DS-13-1675 (240-57769-3), DS-09-1675 (240-57769-4), DS-10-1655 (240-57769-5), DS-12-1655 (240-57769-6) and DS-08-1655 (240-57769-7) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 11/12/2015, prepared on 11/13/2015 and analyzed on 11/16/2015.

Insufficient sample was provided to perform the leaching procedure with the required 100g for the following sample: DS-08-1655 (240-57769-7). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

MERCURY

Samples DS-11-1675 (240-57769-1), DS-03-1675 (240-57769-2), DS-13-1675 (240-57769-3), DS-09-1675 (240-57769-4), DS-10-1655 (240-57769-5), DS-12-1655 (240-57769-6), DS-08-1655 (240-57769-7), DS-14-1675 (240-57769-8), DS-12-1675 (240-57769-9), DS-07-1655 (240-57769-10), DS-04-1675 (240-57769-11), DS-09-1655 (240-57769-12), DUP A (240-57769-13), DS-08-1675 (240-57769-14) and DS-11-1655 (240-57769-15) were analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 11/12/2015 and analyzed on 11/13/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples DS-11-1675 (240-57769-1), DS-03-1675 (240-57769-2), DS-13-1675 (240-57769-3), DS-09-1675 (240-57769-4), DS-10-1655 (240-57769-5), DS-12-1655 (240-57769-6), DS-08-1655 (240-57769-7), DS-14-1675 (240-57769-8), DS-12-1675 (240-57769-9), DS-07-1655 (240-57769-10), DS-04-1675 (240-57769-11), DS-09-1655 (240-57769-12), DUP A (240-57769-13), DS-08-1675 (240-57769-14) and DS-11-1655 (240-57769-15) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 11/12/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
7471B	Mercury (CVAA)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-57769-1	DS-11-1675	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-2	DS-03-1675	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-3	DS-13-1675	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-4	DS-09-1675	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-5	DS-10-1655	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-6	DS-12-1655	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-7	DS-08-1655	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-8	DS-14-1675	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-9	DS-12-1675	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-10	DS-07-1655	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-11	DS-04-1675	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-12	DS-09-1655	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-13	DUP A	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-14	DS-08-1675	Solid	11/09/15 00:00	11/11/15 10:00
240-57769-15	DS-11-1655	Solid	11/09/15 00:00	11/11/15 10:00

Detection Summary

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-11-1675 — Lab Sample ID: 240-57769-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	190	J	350	7.2	mg/Kg	20	☼	6010C	Total/NA
Cadmium	4.9	J	8.8	0.37	mg/Kg	20	☼	6010C	Total/NA
Chromium	14	J	18	1.3	mg/Kg	20	☼	6010C	Total/NA
Lead	5100	B	18	0.39	mg/Kg	20	☼	6010C	Total/NA
Silver	2.5	J	18	1.1	mg/Kg	20	☼	6010C	Total/NA
Arsenic	0.0039	J B	0.50	0.0029	mg/L	1		6010C	TCLP
Barium	7.2	J B	10	0.0010	mg/L	1		6010C	TCLP
Cadmium	0.0092	J	0.10	0.00014	mg/L	1		6010C	TCLP
Chromium	0.059	J B	0.50	0.00055	mg/L	1		6010C	TCLP
Lead	220		50	0.19	mg/L	100		6010C	TCLP
Mercury	0.000097	J	0.0020	0.000090	mg/L	1		7470A	TCLP
Hg	0.015	J	0.089	0.012	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-03-1675 — Lab Sample ID: 240-57769-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	230	J	1400	28	mg/Kg	100	☼	6010C	Total/NA
Cadmium	16	J	34	1.4	mg/Kg	100	☼	6010C	Total/NA
Chromium	28	J	68	5.1	mg/Kg	100	☼	6010C	Total/NA
Lead	2900	B	68	1.5	mg/Kg	100	☼	6010C	Total/NA
Silver	8.7	J	68	4.3	mg/Kg	100	☼	6010C	Total/NA
Arsenic	0.0046	J B	0.50	0.0029	mg/L	1		6010C	TCLP
Barium	7.5	J B	10	0.0010	mg/L	1		6010C	TCLP
Cadmium	0.012	J	0.10	0.00014	mg/L	1		6010C	TCLP
Chromium	0.049	J B	0.50	0.00055	mg/L	1		6010C	TCLP
Lead	190		50	0.19	mg/L	100		6010C	TCLP
Mercury	0.00017	J	0.0020	0.000090	mg/L	1		7470A	TCLP
Hg	0.093	J	0.096	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-13-1675 — Lab Sample ID: 240-57769-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	400	J	890	18	mg/Kg	50	☼	6010C	Total/NA
Cadmium	14	J	22	0.93	mg/Kg	50	☼	6010C	Total/NA
Chromium	60		44	3.3	mg/Kg	50	☼	6010C	Total/NA
Lead	9100	B	44	0.97	mg/Kg	50	☼	6010C	Total/NA
Silver	6.7	J	44	2.8	mg/Kg	50	☼	6010C	Total/NA
Arsenic	0.012	J B	0.50	0.0029	mg/L	1		6010C	TCLP
Barium	0.35	J B	10	0.0010	mg/L	1		6010C	TCLP
Cadmium	0.088	J	0.10	0.00014	mg/L	1		6010C	TCLP
Chromium	0.012	J B	0.50	0.00055	mg/L	1		6010C	TCLP
Lead	11		0.50	0.0019	mg/L	1		6010C	TCLP
Silver	0.0013	J	0.50	0.00092	mg/L	1		6010C	TCLP
Mercury	0.00011	J	0.0020	0.000090	mg/L	1		7470A	TCLP
Hg	0.46		0.12	0.017	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-09-1675 — Lab Sample ID: 240-57769-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	520	J	1700	34	mg/Kg	100	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DS-09-1675 (Continued) — Lab Sample ID: 240-57769-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	23	J	42	1.7	mg/Kg	100	☼	6010C	Total/NA
Chromium	52	J	83	6.2	mg/Kg	100	☼	6010C	Total/NA
Lead	11000	B	83	1.8	mg/Kg	100	☼	6010C	Total/NA
Silver	14	J	83	5.2	mg/Kg	100	☼	6010C	Total/NA
Arsenic	0.0062	J B	0.50	0.0029	mg/L	1		6010C	TCLP
Barium	6.8	J B	10	0.0010	mg/L	1		6010C	TCLP
Cadmium	0.056	J	0.10	0.00014	mg/L	1		6010C	TCLP
Chromium	0.034	J B	0.50	0.00055	mg/L	1		6010C	TCLP
Lead	58		5.0	0.019	mg/L	10		6010C	TCLP
Hg	0.17		0.092	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-10-1655 — Lab Sample ID: 240-57769-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	180	J	300	6.1	mg/Kg	20	☼	6010C	Total/NA
Cadmium	4.2	J	7.5	0.31	mg/Kg	20	☼	6010C	Total/NA
Chromium	43		15	1.1	mg/Kg	20	☼	6010C	Total/NA
Lead	2400	B	15	0.33	mg/Kg	20	☼	6010C	Total/NA
Silver	3.3	J	15	0.94	mg/Kg	20	☼	6010C	Total/NA
Arsenic	0.0061	J B	0.50	0.0029	mg/L	1		6010C	TCLP
Barium	5.1	J B	10	0.0010	mg/L	1		6010C	TCLP
Cadmium	0.023	J	0.10	0.00014	mg/L	1		6010C	TCLP
Chromium	0.039	J B	0.50	0.00055	mg/L	1		6010C	TCLP
Lead	92		10	0.038	mg/L	20		6010C	TCLP
Hg	0.098		0.090	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-12-1655 — Lab Sample ID: 240-57769-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	210	J	340	7.0	mg/Kg	20	☼	6010C	Total/NA
Cadmium	2.9	J	8.5	0.36	mg/Kg	20	☼	6010C	Total/NA
Chromium	78		17	1.3	mg/Kg	20	☼	6010C	Total/NA
Lead	2800	B	17	0.38	mg/Kg	20	☼	6010C	Total/NA
Silver	5.8	J	17	1.1	mg/Kg	20	☼	6010C	Total/NA
Arsenic	0.0051	J B	0.50	0.0029	mg/L	1		6010C	TCLP
Barium	5.7	J B	10	0.0010	mg/L	1		6010C	TCLP
Cadmium	0.019	J	0.10	0.00014	mg/L	1		6010C	TCLP
Chromium	0.043	J B	0.50	0.00055	mg/L	1		6010C	TCLP
Lead	120		50	0.19	mg/L	100		6010C	TCLP
Hg	0.092	J	0.10	0.014	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-08-1655 — Lab Sample ID: 240-57769-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	300	J	940	19	mg/Kg	50	☼	6010C	Total/NA
Cadmium	16	J	24	0.99	mg/Kg	50	☼	6010C	Total/NA
Chromium	38	J	47	3.5	mg/Kg	50	☼	6010C	Total/NA
Lead	3000	B	47	1.0	mg/Kg	50	☼	6010C	Total/NA
Silver	8.2	J	47	3.0	mg/Kg	50	☼	6010C	Total/NA
Arsenic	0.0091	J B	0.50	0.0029	mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-08-1655 (Continued) — Lab Sample ID: 240-57769-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	1.8	J B	10	0.0010	mg/L	1		6010C	TCLP
Cadmium	0.038	J	0.10	0.00014	mg/L	1		6010C	TCLP
Chromium	0.012	J B	0.50	0.00055	mg/L	1		6010C	TCLP
Lead	4.7		0.50	0.0019	mg/L	1		6010C	TCLP
Hg	0.19		0.11	0.015	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-14-1675 — Lab Sample ID: 240-57769-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	320	J	2000	41	mg/Kg	100	☼	6010C	Total/NA
Cadmium	30	J	51	2.1	mg/Kg	100	☼	6010C	Total/NA
Chromium	84	J	100	7.6	mg/Kg	100	☼	6010C	Total/NA
Lead	2300	B	100	2.2	mg/Kg	100	☼	6010C	Total/NA
Silver	15	J	100	6.4	mg/Kg	100	☼	6010C	Total/NA
Hg	0.25		0.11	0.015	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-12-1675 — Lab Sample ID: 240-57769-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	390	J	3500	71	mg/Kg	250	☼	6010C	Total/NA
Cadmium	33	J	86	3.6	mg/Kg	250	☼	6010C	Total/NA
Chromium	37	J	170	13	mg/Kg	250	☼	6010C	Total/NA
Lead	5200	B	170	3.8	mg/Kg	250	☼	6010C	Total/NA
Silver	15	J	170	11	mg/Kg	250	☼	6010C	Total/NA
Hg	0.30		0.090	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-07-1655 — Lab Sample ID: 240-57769-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	150	J	350	7.2	mg/Kg	20	☼	6010C	Total/NA
Cadmium	7.2	J	8.7	0.37	mg/Kg	20	☼	6010C	Total/NA
Chromium	40		17	1.3	mg/Kg	20	☼	6010C	Total/NA
Lead	3100	B	17	0.38	mg/Kg	20	☼	6010C	Total/NA
Silver	1.3	J	17	1.1	mg/Kg	20	☼	6010C	Total/NA
Hg	0.081	J	0.10	0.015	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-04-1675 — Lab Sample ID: 240-57769-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	210	J	3500	71	mg/Kg	250	☼	6010C	Total/NA
Cadmium	25	J	87	3.6	mg/Kg	250	☼	6010C	Total/NA
Lead	2200	B	170	3.8	mg/Kg	250	☼	6010C	Total/NA
Silver	22	J	170	11	mg/Kg	250	☼	6010C	Total/NA
Hg	0.042	J	0.11	0.015	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-09-1655 — Lab Sample ID: 240-57769-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	140	J	300	6.2	mg/Kg	20	☼	6010C	Total/NA
Cadmium	3.7	J	7.6	0.32	mg/Kg	20	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DS-09-1655 (Continued) — Lab Sample ID: 240-57769-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	18		15	1.1	mg/Kg	20	☼	6010C	Total/NA
Lead	2500	B	15	0.33	mg/Kg	20	☼	6010C	Total/NA
Silver	2.2	J	15	0.96	mg/Kg	20	☼	6010C	Total/NA
Hg	0.052	J	0.10	0.014	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DUP A — Lab Sample ID: 240-57769-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	350	J	1900	38	mg/Kg	100	☼	6010C	Total/NA
Cadmium	23	J	46	1.9	mg/Kg	100	☼	6010C	Total/NA
Chromium	35	J	93	7.0	mg/Kg	100	☼	6010C	Total/NA
Lead	2700	B	93	2.0	mg/Kg	100	☼	6010C	Total/NA
Silver	14	J	93	5.8	mg/Kg	100	☼	6010C	Total/NA
Hg	0.17		0.096	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-08-1675 — Lab Sample ID: 240-57769-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	410	J	850	18	mg/Kg	50	☼	6010C	Total/NA
Cadmium	15	J	21	0.90	mg/Kg	50	☼	6010C	Total/NA
Chromium	35	J	43	3.2	mg/Kg	50	☼	6010C	Total/NA
Lead	8000	B	43	0.94	mg/Kg	50	☼	6010C	Total/NA
Silver	9.7	J	43	2.7	mg/Kg	50	☼	6010C	Total/NA
Hg	0.10	J	0.11	0.015	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DS-11-1655 — Lab Sample ID: 240-57769-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	210	J	380	7.7	mg/Kg	20	☼	6010C	Total/NA
Cadmium	4.4	J	9.4	0.40	mg/Kg	20	☼	6010C	Total/NA
Chromium	98		19	1.4	mg/Kg	20	☼	6010C	Total/NA
Lead	2300	B	19	0.41	mg/Kg	20	☼	6010C	Total/NA
Silver	5.7	J	19	1.2	mg/Kg	20	☼	6010C	Total/NA
Hg	0.14		0.096	0.013	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-11-1675

Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-1

Matrix: Solid

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0039**	**J B**	0.50	0.0029	mg/L		11/13/15 10:23	11/16/15 13:06	1
Barium	**7.2**	**J B**	10	0.0010	mg/L		11/13/15 10:23	11/16/15 13:06	1
Cadmium	**0.0092**	**J**	0.10	0.00014	mg/L		11/13/15 10:23	11/16/15 13:06	1
Chromium	**0.059**	**J B**	0.50	0.00055	mg/L		11/13/15 10:23	11/16/15 13:06	1
Lead	**220**		50	0.19	mg/L		11/13/15 10:23	11/16/15 14:17	100
Selenium	0.25	U	0.25	0.0040	mg/L		11/13/15 10:23	11/16/15 13:06	1
Silver	0.50	U	0.50	0.00092	mg/L		11/13/15 10:23	11/16/15 13:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000097**	**J**	0.0020	0.000090	mg/L		11/13/15 14:00	11/16/15 16:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**97**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**2.5**		0.10	0.10	%			11/12/15 15:23	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-11-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-1
Matrix: Solid
Percent Solids: 97.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26	U	26	7.2	mg/Kg	☼	11/12/15 10:45	11/13/15 14:25	20
Barium	**190**	**J**	350	7.2	mg/Kg	☼	11/12/15 10:45	11/13/15 14:25	20
Cadmium	**4.9**	**J**	8.8	0.37	mg/Kg	☼	11/12/15 10:45	11/13/15 14:25	20
Chromium	**14**	**J**	18	1.3	mg/Kg	☼	11/12/15 10:45	11/13/15 14:25	20
Lead	**5100**	**B**	18	0.39	mg/Kg	☼	11/12/15 10:45	11/13/15 14:25	20
Selenium	35	U	35	6.0	mg/Kg	☼	11/12/15 10:45	11/13/15 14:25	20
Silver	**2.5**	**J**	18	1.1	mg/Kg	☼	11/12/15 10:45	11/13/15 14:25	20

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.015**	**J**	0.089	0.012	mg/Kg	☼	11/12/15 15:45	11/13/15 14:32	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-03-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-2
Matrix: Solid

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0046	J B	0.50	0.0029	mg/L		11/13/15 10:23	11/16/15 13:10	1
Barium	7.5	J B	10	0.0010	mg/L		11/13/15 10:23	11/16/15 13:10	1
Cadmium	0.012	J	0.10	0.00014	mg/L		11/13/15 10:23	11/16/15 13:10	1
Chromium	0.049	J B	0.50	0.00055	mg/L		11/13/15 10:23	11/16/15 13:10	1
Lead	190		50	0.19	mg/L		11/13/15 10:23	11/16/15 14:21	100
Selenium	0.25	U	0.25	0.0040	mg/L		11/13/15 10:23	11/16/15 13:10	1
Silver	0.50	U	0.50	0.00092	mg/L		11/13/15 10:23	11/16/15 13:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00017	J	0.0020	0.000090	mg/L		11/13/15 14:00	11/16/15 16:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	100		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	0.35		0.10	0.10	%			11/12/15 15:23	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-03-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-2
Matrix: Solid
Percent Solids: 99.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	100	U	100	28	mg/Kg	☼	11/12/15 10:45	11/13/15 15:38	100
Barium	**230**	**J**	1400	28	mg/Kg	☼	11/12/15 10:45	11/13/15 15:38	100
Cadmium	**16**	**J**	34	1.4	mg/Kg	☼	11/12/15 10:45	11/13/15 15:38	100
Chromium	**28**	**J**	68	5.1	mg/Kg	☼	11/12/15 10:45	11/13/15 15:38	100
Lead	**2900**	**B**	68	1.5	mg/Kg	☼	11/12/15 10:45	11/13/15 15:38	100
Selenium	140	U	140	23	mg/Kg	☼	11/12/15 10:45	11/13/15 15:38	100
Silver	**8.7**	**J**	68	4.3	mg/Kg	☼	11/12/15 10:45	11/13/15 15:38	100

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.093**	**J**	0.096	0.013	mg/Kg	☼	11/12/15 15:45	11/13/15 14:33	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-13-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-3
Matrix: Solid

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.012**	**J B**	0.50	0.0029	mg/L		11/13/15 10:23	11/16/15 13:14	1
Barium	**0.35**	**J B**	10	0.0010	mg/L		11/13/15 10:23	11/16/15 13:14	1
Cadmium	**0.088**	**J**	0.10	0.00014	mg/L		11/13/15 10:23	11/16/15 13:14	1
Chromium	**0.012**	**J B**	0.50	0.00055	mg/L		11/13/15 10:23	11/16/15 13:14	1
Lead	**11**		0.50	0.0019	mg/L		11/13/15 10:23	11/16/15 13:14	1
Selenium	0.25	U	0.25	0.0040	mg/L		11/13/15 10:23	11/16/15 13:14	1
Silver	**0.0013**	**J**	0.50	0.00092	mg/L		11/13/15 10:23	11/16/15 13:14	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00011**	**J**	0.0020	0.000090	mg/L		11/13/15 14:00	11/16/15 16:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**1.8**		0.10	0.10	%			11/12/15 15:23	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-13-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-3
Matrix: Solid
Percent Solids: 98.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	66	U	66	18	mg/Kg	☼	11/12/15 10:45	11/13/15 14:33	50
Barium	**400**	**J**	890	18	mg/Kg	☼	11/12/15 10:45	11/13/15 14:33	50
Cadmium	**14**	**J**	22	0.93	mg/Kg	☼	11/12/15 10:45	11/13/15 14:33	50
Chromium	**60**		44	3.3	mg/Kg	☼	11/12/15 10:45	11/13/15 14:33	50
Lead	**9100**	**B**	44	0.97	mg/Kg	☼	11/12/15 10:45	11/13/15 14:33	50
Selenium	89	U	89	15	mg/Kg	☼	11/12/15 10:45	11/13/15 14:33	50
Silver	**6.7**	**J**	44	2.8	mg/Kg	☼	11/12/15 10:45	11/13/15 14:33	50

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.46**		0.12	0.017	mg/Kg	☼	11/12/15 15:45	11/13/15 14:35	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-09-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-4
Matrix: Solid

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0062**	**J B**	0.50	0.0029	mg/L		11/13/15 10:23	11/16/15 13:19	1
Barium	**6.8**	**J B**	10	0.0010	mg/L		11/13/15 10:23	11/16/15 13:19	1
Cadmium	**0.056**	**J**	0.10	0.00014	mg/L		11/13/15 10:23	11/16/15 13:19	1
Chromium	**0.034**	**J B**	0.50	0.00055	mg/L		11/13/15 10:23	11/16/15 13:19	1
Lead	**58**		5.0	0.019	mg/L		11/13/15 10:23	11/16/15 14:25	10
Selenium	0.25	U	0.25	0.0040	mg/L		11/13/15 10:23	11/16/15 13:19	1
Silver	0.50	U	0.50	0.00092	mg/L		11/13/15 10:23	11/16/15 13:19	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.000090	mg/L		11/13/15 14:00	11/16/15 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**1.6**		0.10	0.10	%			11/12/15 15:23	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-09-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-4
Matrix: Solid
Percent Solids: 98.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	120	U	120	34	mg/Kg	☼	11/12/15 10:45	11/13/15 15:51	100
Barium	**520**	**J**	1700	34	mg/Kg	☼	11/12/15 10:45	11/13/15 15:51	100
Cadmium	**23**	**J**	42	1.7	mg/Kg	☼	11/12/15 10:45	11/13/15 15:51	100
Chromium	**52**	**J**	83	6.2	mg/Kg	☼	11/12/15 10:45	11/13/15 15:51	100
Lead	**11000**	**B**	83	1.8	mg/Kg	☼	11/12/15 10:45	11/13/15 15:51	100
Selenium	170	U	170	28	mg/Kg	☼	11/12/15 10:45	11/13/15 15:51	100
Silver	**14**	**J**	83	5.2	mg/Kg	☼	11/12/15 10:45	11/13/15 15:51	100

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.17**		0.092	0.013	mg/Kg	☼	11/12/15 15:45	11/13/15 14:36	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-10-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-5
Matrix: Solid

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0061**	**J B**	0.50	0.0029	mg/L		11/13/15 10:23	11/16/15 13:23	1
Barium	**5.1**	**J B**	10	0.0010	mg/L		11/13/15 10:23	11/16/15 13:23	1
Cadmium	**0.023**	**J**	0.10	0.00014	mg/L		11/13/15 10:23	11/16/15 13:23	1
Chromium	**0.039**	**J B**	0.50	0.00055	mg/L		11/13/15 10:23	11/16/15 13:23	1
Lead	**92**		10	0.038	mg/L		11/13/15 10:23	11/16/15 14:37	20
Selenium	0.25	U	0.25	0.0040	mg/L		11/13/15 10:23	11/16/15 13:23	1
Silver	0.50	U	0.50	0.00092	mg/L		11/13/15 10:23	11/16/15 13:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.000090	mg/L		11/13/15 14:00	11/16/15 15:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**0.99**		0.10	0.10	%			11/12/15 15:23	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-10-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-5
Matrix: Solid
Percent Solids: 99.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	22	U	22	6.1	mg/Kg	☼	11/12/15 10:45	11/13/15 14:41	20
Barium	**180**	**J**	300	6.1	mg/Kg	☼	11/12/15 10:45	11/13/15 14:41	20
Cadmium	**4.2**	**J**	7.5	0.31	mg/Kg	☼	11/12/15 10:45	11/13/15 14:41	20
Chromium	**43**		15	1.1	mg/Kg	☼	11/12/15 10:45	11/13/15 14:41	20
Lead	**2400**	**B**	15	0.33	mg/Kg	☼	11/12/15 10:45	11/13/15 14:41	20
Selenium	30	U	30	5.1	mg/Kg	☼	11/12/15 10:45	11/13/15 14:41	20
Silver	**3.3**	**J**	15	0.94	mg/Kg	☼	11/12/15 10:45	11/13/15 14:41	20

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.098**		0.090	0.013	mg/Kg	☼	11/12/15 15:45	11/13/15 14:38	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-12-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-6
Matrix: Solid

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0051**	**J B**	0.50	0.0029	mg/L		11/13/15 10:23	11/16/15 13:27	1
Barium	**5.7**	**J B**	10	0.0010	mg/L		11/13/15 10:23	11/16/15 13:27	1
Cadmium	**0.019**	**J**	0.10	0.00014	mg/L		11/13/15 10:23	11/16/15 13:27	1
Chromium	**0.043**	**J B**	0.50	0.00055	mg/L		11/13/15 10:23	11/16/15 13:27	1
Lead	**120**		50	0.19	mg/L		11/13/15 10:23	11/16/15 14:42	100
Selenium	0.25	U	0.25	0.0040	mg/L		11/13/15 10:23	11/16/15 13:27	1
Silver	0.50	U	0.50	0.00092	mg/L		11/13/15 10:23	11/16/15 13:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.000090	mg/L		11/13/15 14:00	11/16/15 15:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**0.73**		0.10	0.10	%			11/12/15 15:23	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-12-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-6
Matrix: Solid
Percent Solids: 99.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26	U	26	7.0	mg/Kg	☼	11/12/15 10:45	11/13/15 14:45	20
Barium	**210**	**J**	340	7.0	mg/Kg	☼	11/12/15 10:45	11/13/15 14:45	20
Cadmium	**2.9**	**J**	8.5	0.36	mg/Kg	☼	11/12/15 10:45	11/13/15 14:45	20
Chromium	**78**		17	1.3	mg/Kg	☼	11/12/15 10:45	11/13/15 14:45	20
Lead	**2800**	**B**	17	0.38	mg/Kg	☼	11/12/15 10:45	11/13/15 14:45	20
Selenium	34	U	34	5.8	mg/Kg	☼	11/12/15 10:45	11/13/15 14:45	20
Silver	**5.8**	**J**	17	1.1	mg/Kg	☼	11/12/15 10:45	11/13/15 14:45	20

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.092**	**J**	0.10	0.014	mg/Kg	☼	11/12/15 15:45	11/13/15 14:40	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-08-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-7
Matrix: Solid

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0091**	**J B**	0.50	0.0029	mg/L		11/13/15 10:23	11/16/15 13:32	1
Barium	**1.8**	**J B**	10	0.0010	mg/L		11/13/15 10:23	11/16/15 13:32	1
Cadmium	**0.038**	**J**	0.10	0.00014	mg/L		11/13/15 10:23	11/16/15 13:32	1
Chromium	**0.012**	**J B**	0.50	0.00055	mg/L		11/13/15 10:23	11/16/15 13:32	1
Lead	**4.7**		0.50	0.0019	mg/L		11/13/15 10:23	11/16/15 13:32	1
Selenium	0.25	U	0.25	0.0040	mg/L		11/13/15 10:23	11/16/15 13:32	1
Silver	0.50	U	0.50	0.00092	mg/L		11/13/15 10:23	11/16/15 13:32	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.000090	mg/L		11/13/15 14:00	11/16/15 15:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**1.6**		0.10	0.10	%			11/12/15 15:23	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-08-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-7
Matrix: Solid
Percent Solids: 98.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	71	U	71	19	mg/Kg	☼	11/12/15 10:45	11/13/15 14:49	50
Barium	**300**	**J**	940	19	mg/Kg	☼	11/12/15 10:45	11/13/15 14:49	50
Cadmium	**16**	**J**	24	0.99	mg/Kg	☼	11/12/15 10:45	11/13/15 14:49	50
Chromium	**38**	**J**	47	3.5	mg/Kg	☼	11/12/15 10:45	11/13/15 14:49	50
Lead	**3000**	**B**	47	1.0	mg/Kg	☼	11/12/15 10:45	11/13/15 14:49	50
Selenium	94	U	94	16	mg/Kg	☼	11/12/15 10:45	11/13/15 14:49	50
Silver	**8.2**	**J**	47	3.0	mg/Kg	☼	11/12/15 10:45	11/13/15 14:49	50

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.19**		0.11	0.015	mg/Kg	☼	11/12/15 15:45	11/13/15 14:44	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-14-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-8
Matrix: Solid
Percent Solids: 98.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	150	U	150	41	mg/Kg	☼	11/12/15 10:45	11/13/15 15:59	100
Barium	**320**	**J**	2000	41	mg/Kg	☼	11/12/15 10:45	11/13/15 15:59	100
Cadmium	**30**	**J**	51	2.1	mg/Kg	☼	11/12/15 10:45	11/13/15 15:59	100
Chromium	**84**	**J**	100	7.6	mg/Kg	☼	11/12/15 10:45	11/13/15 15:59	100
Lead	**2300**	**B**	100	2.2	mg/Kg	☼	11/12/15 10:45	11/13/15 15:59	100
Selenium	200	U	200	34	mg/Kg	☼	11/12/15 10:45	11/13/15 15:59	100
Silver	**15**	**J**	100	6.4	mg/Kg	☼	11/12/15 10:45	11/13/15 15:59	100

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.25**		0.11	0.015	mg/Kg	☼	11/12/15 15:45	11/13/15 14:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**2.0**		0.10	0.10	%			11/12/15 15:23	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-12-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-9
Matrix: Solid
Percent Solids: 98.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	260	U	260	71	mg/Kg	☼	11/12/15 10:45	11/13/15 16:03	250
Barium	**390**	**J**	3500	71	mg/Kg	☼	11/12/15 10:45	11/13/15 16:03	250
Cadmium	**33**	**J**	86	3.6	mg/Kg	☼	11/12/15 10:45	11/13/15 16:03	250
Chromium	**37**	**J**	170	13	mg/Kg	☼	11/12/15 10:45	11/13/15 16:03	250
Lead	**5200**	**B**	170	3.8	mg/Kg	☼	11/12/15 10:45	11/13/15 16:03	250
Selenium	350	U	350	59	mg/Kg	☼	11/12/15 10:45	11/13/15 16:03	250
Silver	**15**	**J**	170	11	mg/Kg	☼	11/12/15 10:45	11/13/15 16:03	250

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.30**		0.090	0.013	mg/Kg	☼	11/12/15 15:45	11/13/15 14:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**1.6**		0.10	0.10	%			11/12/15 15:23	1

Client Sample Results

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-07-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-10
Matrix: Solid
Percent Solids: 99.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26	U	26	7.2	mg/Kg	☼	11/12/15 10:45	11/13/15 15:14	20
Barium	**150**	**J**	350	7.2	mg/Kg	☼	11/12/15 10:45	11/13/15 15:14	20
Cadmium	**7.2**	**J**	8.7	0.37	mg/Kg	☼	11/12/15 10:45	11/13/15 15:14	20
Chromium	**40**		17	1.3	mg/Kg	☼	11/12/15 10:45	11/13/15 15:14	20
Lead	**3100**	**B**	17	0.38	mg/Kg	☼	11/12/15 10:45	11/13/15 15:14	20
Selenium	35	U	35	5.9	mg/Kg	☼	11/12/15 10:45	11/13/15 15:14	20
Silver	**1.3**	**J**	17	1.1	mg/Kg	☼	11/12/15 10:45	11/13/15 15:14	20

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.081**	**J**	0.10	0.015	mg/Kg	☼	11/12/15 15:45	11/13/15 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**100**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**0.42**		0.10	0.10	%			11/12/15 15:23	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-04-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-11
Matrix: Solid
Percent Solids: 99.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	260	U	260	71	mg/Kg	☼	11/12/15 10:45	11/13/15 16:07	250
Barium	**210**	**J**	3500	71	mg/Kg	☼	11/12/15 10:45	11/13/15 16:07	250
Cadmium	**25**	**J**	87	3.6	mg/Kg	☼	11/12/15 10:45	11/13/15 16:07	250
Chromium	170	U	170	13	mg/Kg	☼	11/12/15 10:45	11/13/15 16:07	250
Lead	**2200**	**B**	170	3.8	mg/Kg	☼	11/12/15 10:45	11/13/15 16:07	250
Selenium	350	U	350	59	mg/Kg	☼	11/12/15 10:45	11/13/15 16:07	250
Silver	**22**	**J**	170	11	mg/Kg	☼	11/12/15 10:45	11/13/15 16:07	250

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.042**	**J**	0.11	0.015	mg/Kg	☼	11/12/15 15:45	11/13/15 14:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**100**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**0.44**		0.10	0.10	%			11/12/15 15:23	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-09-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-12
Matrix: Solid
Percent Solids: 99.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23	U	23	6.2	mg/Kg	☼	11/12/15 10:45	11/13/15 15:22	20
Barium	**140**	**J**	300	6.2	mg/Kg	☼	11/12/15 10:45	11/13/15 15:22	20
Cadmium	**3.7**	**J**	7.6	0.32	mg/Kg	☼	11/12/15 10:45	11/13/15 15:22	20
Chromium	**18**		15	1.1	mg/Kg	☼	11/12/15 10:45	11/13/15 15:22	20
Lead	**2500**	**B**	15	0.33	mg/Kg	☼	11/12/15 10:45	11/13/15 15:22	20
Selenium	30	U	30	5.2	mg/Kg	☼	11/12/15 10:45	11/13/15 15:22	20
Silver	**2.2**	**J**	15	0.96	mg/Kg	☼	11/12/15 10:45	11/13/15 15:22	20

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.052**	**J**	0.10	0.014	mg/Kg	☼	11/12/15 15:45	11/13/15 14:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**0.96**		0.10	0.10	%			11/12/15 15:23	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DUP A
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-13
Matrix: Solid
Percent Solids: 99.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	140	U	140	38	mg/Kg	☼	11/12/15 10:45	11/13/15 16:28	100
Barium	**350**	**J**	1900	38	mg/Kg	☼	11/12/15 10:45	11/13/15 16:28	100
Cadmium	**23**	**J**	46	1.9	mg/Kg	☼	11/12/15 10:45	11/13/15 16:28	100
Chromium	**35**	**J**	93	7.0	mg/Kg	☼	11/12/15 10:45	11/13/15 16:28	100
Lead	**2700**	**B**	93	2.0	mg/Kg	☼	11/12/15 10:45	11/13/15 16:28	100
Selenium	190	U	190	32	mg/Kg	☼	11/12/15 10:45	11/13/15 16:28	100
Silver	**14**	**J**	93	5.8	mg/Kg	☼	11/12/15 10:45	11/13/15 16:28	100

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.17**		0.096	0.013	mg/Kg	☼	11/12/15 15:45	11/13/15 14:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**1.0**		0.10	0.10	%			11/12/15 15:23	1

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-08-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-14
Matrix: Solid
Percent Solids: 99.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	64	U	64	18	mg/Kg	☼	11/12/15 10:45	11/13/15 15:30	50
Barium	**410**	**J**	850	18	mg/Kg	☼	11/12/15 10:45	11/13/15 15:30	50
Cadmium	**15**	**J**	21	0.90	mg/Kg	☼	11/12/15 10:45	11/13/15 15:30	50
Chromium	**35**	**J**	43	3.2	mg/Kg	☼	11/12/15 10:45	11/13/15 15:30	50
Lead	**8000**	**B**	43	0.94	mg/Kg	☼	11/12/15 10:45	11/13/15 15:30	50
Selenium	85	U	85	15	mg/Kg	☼	11/12/15 10:45	11/13/15 15:30	50
Silver	**9.7**	**J**	43	2.7	mg/Kg	☼	11/12/15 10:45	11/13/15 15:30	50

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.10**	**J**	0.11	0.015	mg/Kg	☼	11/12/15 15:45	11/13/15 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**0.84**		0.10	0.10	%			11/12/15 15:23	1

Client Sample Results

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-11-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-15
Matrix: Solid
Percent Solids: 99.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	28	U	28	7.7	mg/Kg	☼	11/12/15 10:45	11/13/15 15:34	20
Barium	**210**	**J**	380	7.7	mg/Kg	☼	11/12/15 10:45	11/13/15 15:34	20
Cadmium	**4.4**	**J**	9.4	0.40	mg/Kg	☼	11/12/15 10:45	11/13/15 15:34	20
Chromium	**98**		19	1.4	mg/Kg	☼	11/12/15 10:45	11/13/15 15:34	20
Lead	**2300**	**B**	19	0.41	mg/Kg	☼	11/12/15 10:45	11/13/15 15:34	20
Selenium	38	U	38	6.4	mg/Kg	☼	11/12/15 10:45	11/13/15 15:34	20
Silver	**5.7**	**J**	19	1.2	mg/Kg	☼	11/12/15 10:45	11/13/15 15:34	20

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.14**		0.096	0.013	mg/Kg	☼	11/12/15 15:45	11/13/15 14:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**99**		0.10	0.10	%			11/12/15 15:23	1
Percent Moisture	**0.89**		0.10	0.10	%			11/12/15 15:23	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 240-206494/1-A
Matrix: Solid
Analysis Batch: 206868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5	U	1.5	0.41	mg/Kg		11/12/15 10:45	11/13/15 13:35	1
Barium	20	U	20	0.41	mg/Kg		11/12/15 10:45	11/13/15 13:35	1
Cadmium	0.50	U	0.50	0.021	mg/Kg		11/12/15 10:45	11/13/15 13:35	1
Chromium	1.0	U	1.0	0.075	mg/Kg		11/12/15 10:45	11/13/15 13:35	1
Lead	0.183	J	1.0	0.022	mg/Kg		11/12/15 10:45	11/13/15 13:35	1
Selenium	2.0	U	2.0	0.34	mg/Kg		11/12/15 10:45	11/13/15 13:35	1
Silver	1.0	U	1.0	0.063	mg/Kg		11/12/15 10:45	11/13/15 13:35	1

Lab Sample ID: LCS 240-206494/2-A
Matrix: Solid
Analysis Batch: 206868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	186		mg/Kg		93	80 - 120
Barium	200	185		mg/Kg		93	80 - 120
Cadmium	5.00	4.67		mg/Kg		93	80 - 120
Chromium	20.0	18.8		mg/Kg		94	80 - 120
Lead	50.0	45.6		mg/Kg		91	80 - 120
Selenium	200	185		mg/Kg		92	80 - 120
Silver	5.00	4.83		mg/Kg		97	80 - 120

Lab Sample ID: MB 240-206678/2-A
Matrix: Solid
Analysis Batch: 206959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50	0.0029	mg/L		11/13/15 10:23	11/16/15 11:30	1
Barium	10	U	10	0.0010	mg/L		11/13/15 10:23	11/16/15 11:30	1
Cadmium	0.10	U	0.10	0.00014	mg/L		11/13/15 10:23	11/16/15 11:30	1
Chromium	0.50	U	0.50	0.00055	mg/L		11/13/15 10:23	11/16/15 11:30	1
Lead	0.50	U	0.50	0.0019	mg/L		11/13/15 10:23	11/16/15 11:30	1
Selenium	0.25	U	0.25	0.0040	mg/L		11/13/15 10:23	11/16/15 11:30	1
Silver	0.50	U	0.50	0.00092	mg/L		11/13/15 10:23	11/16/15 11:30	1

Lab Sample ID: LCS 240-206678/3-A
Matrix: Solid
Analysis Batch: 206959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	1.99		mg/L		100	50 - 150
Barium	2.00	1.85	J	mg/L		93	50 - 150
Cadmium	0.0500	0.0483	J	mg/L		97	50 - 150
Chromium	0.200	0.189	J	mg/L		94	50 - 150
Lead	0.500	0.432	J	mg/L		86	50 - 150
Selenium	2.00	2.01		mg/L		101	50 - 150
Silver	0.0500	0.0535	J	mg/L		107	50 - 150

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LB 240-206575/1-B
Matrix: Solid
Analysis Batch: 206959

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 206678

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00462	J	0.50	0.0029	mg/L		11/13/15 10:23	11/16/15 11:26	1
Barium	0.00325	J	10	0.0010	mg/L		11/13/15 10:23	11/16/15 11:26	1
Cadmium	0.10	U	0.10	0.00014	mg/L		11/13/15 10:23	11/16/15 11:26	1
Chromium	0.00157	J	0.50	0.00055	mg/L		11/13/15 10:23	11/16/15 11:26	1
Lead	0.50	U	0.50	0.0019	mg/L		11/13/15 10:23	11/16/15 11:26	1
Selenium	0.25	U	0.25	0.0040	mg/L		11/13/15 10:23	11/16/15 11:26	1
Silver	0.50	U	0.50	0.00092	mg/L		11/13/15 10:23	11/16/15 11:26	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-206680/2-A
Matrix: Solid
Analysis Batch: 207017

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.000090	mg/L		11/13/15 14:00	11/16/15 15:26	1

Lab Sample ID: LCS 240-206680/3-A
Matrix: Solid
Analysis Batch: 207017

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00507		mg/L		101	80 - 120

Lab Sample ID: LB 240-206575/1-C
Matrix: Solid
Analysis Batch: 207017

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 206680

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.000090	mg/L		11/13/15 14:00	11/16/15 15:24	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-206511/1-A
Matrix: Solid
Analysis Batch: 206814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.10	U	0.10	0.014	mg/Kg		11/12/15 15:45	11/13/15 11:23	1

Lab Sample ID: LCS 240-206511/2-A
Matrix: Solid
Analysis Batch: 206814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.833	0.850		mg/Kg		102	80 - 120

Method: Moisture - Percent Moisture

Lab Sample ID: 240-57769-5 DU
Matrix: Solid
Analysis Batch: 206558

Client Sample ID: DS-10-1655
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	99			99		%				0.1	20
Percent Moisture	0.99			1.1		%				13	20

Lab Sample ID: 240-57769-14 DU
Matrix: Solid
Analysis Batch: 206558

Client Sample ID: DS-08-1675
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	99			99		%				0.08	20
Percent Moisture	0.84			0.76		%				10	20

Metals

Prep Batch: 206494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57769-1	DS-11-1675	Total/NA	Solid	3050B	
240-57769-2	DS-03-1675	Total/NA	Solid	3050B	
240-57769-3	DS-13-1675	Total/NA	Solid	3050B	
240-57769-4	DS-09-1675	Total/NA	Solid	3050B	
240-57769-5	DS-10-1655	Total/NA	Solid	3050B	
240-57769-6	DS-12-1655	Total/NA	Solid	3050B	
240-57769-7	DS-08-1655	Total/NA	Solid	3050B	
240-57769-8	DS-14-1675	Total/NA	Solid	3050B	
240-57769-9	DS-12-1675	Total/NA	Solid	3050B	
240-57769-10	DS-07-1655	Total/NA	Solid	3050B	
240-57769-11	DS-04-1675	Total/NA	Solid	3050B	
240-57769-12	DS-09-1655	Total/NA	Solid	3050B	
240-57769-13	DUP A	Total/NA	Solid	3050B	
240-57769-14	DS-08-1675	Total/NA	Solid	3050B	
240-57769-15	DS-11-1655	Total/NA	Solid	3050B	
LCS 240-206494/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-206494/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 206511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57769-1	DS-11-1675	Total/NA	Solid	7471B	
240-57769-2	DS-03-1675	Total/NA	Solid	7471B	
240-57769-3	DS-13-1675	Total/NA	Solid	7471B	
240-57769-4	DS-09-1675	Total/NA	Solid	7471B	
240-57769-5	DS-10-1655	Total/NA	Solid	7471B	
240-57769-6	DS-12-1655	Total/NA	Solid	7471B	
240-57769-7	DS-08-1655	Total/NA	Solid	7471B	
240-57769-8	DS-14-1675	Total/NA	Solid	7471B	
240-57769-9	DS-12-1675	Total/NA	Solid	7471B	
240-57769-10	DS-07-1655	Total/NA	Solid	7471B	
240-57769-11	DS-04-1675	Total/NA	Solid	7471B	
240-57769-12	DS-09-1655	Total/NA	Solid	7471B	
240-57769-13	DUP A	Total/NA	Solid	7471B	
240-57769-14	DS-08-1675	Total/NA	Solid	7471B	
240-57769-15	DS-11-1655	Total/NA	Solid	7471B	
LCS 240-206511/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 240-206511/1-A	Method Blank	Total/NA	Solid	7471B	

Leach Batch: 206575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57769-1	DS-11-1675	TCLP	Solid	1311	
240-57769-2	DS-03-1675	TCLP	Solid	1311	
240-57769-3	DS-13-1675	TCLP	Solid	1311	
240-57769-4	DS-09-1675	TCLP	Solid	1311	
240-57769-5	DS-10-1655	TCLP	Solid	1311	
240-57769-6	DS-12-1655	TCLP	Solid	1311	
240-57769-7	DS-08-1655	TCLP	Solid	1311	
LB 240-206575/1-B	Method Blank	TCLP	Solid	1311	
LB 240-206575/1-C	Method Blank	TCLP	Solid	1311	

Metals (Continued)

Prep Batch: 206678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57769-1	DS-11-1675	TCLP	Solid	3010A	206575
240-57769-2	DS-03-1675	TCLP	Solid	3010A	206575
240-57769-3	DS-13-1675	TCLP	Solid	3010A	206575
240-57769-4	DS-09-1675	TCLP	Solid	3010A	206575
240-57769-5	DS-10-1655	TCLP	Solid	3010A	206575
240-57769-6	DS-12-1655	TCLP	Solid	3010A	206575
240-57769-7	DS-08-1655	TCLP	Solid	3010A	206575
LB 240-206575/1-B	Method Blank	TCLP	Solid	3010A	206575
LCS 240-206678/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 240-206678/2-A	Method Blank	Total/NA	Solid	3010A	

Prep Batch: 206680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57769-1	DS-11-1675	TCLP	Solid	7470A	206575
240-57769-2	DS-03-1675	TCLP	Solid	7470A	206575
240-57769-3	DS-13-1675	TCLP	Solid	7470A	206575
240-57769-4	DS-09-1675	TCLP	Solid	7470A	206575
240-57769-5	DS-10-1655	TCLP	Solid	7470A	206575
240-57769-6	DS-12-1655	TCLP	Solid	7470A	206575
240-57769-7	DS-08-1655	TCLP	Solid	7470A	206575
LB 240-206575/1-C	Method Blank	TCLP	Solid	7470A	206575
LCS 240-206680/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 240-206680/2-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 206814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57769-1	DS-11-1675	Total/NA	Solid	7471B	206511
240-57769-2	DS-03-1675	Total/NA	Solid	7471B	206511
240-57769-3	DS-13-1675	Total/NA	Solid	7471B	206511
240-57769-4	DS-09-1675	Total/NA	Solid	7471B	206511
240-57769-5	DS-10-1655	Total/NA	Solid	7471B	206511
240-57769-6	DS-12-1655	Total/NA	Solid	7471B	206511
240-57769-7	DS-08-1655	Total/NA	Solid	7471B	206511
240-57769-8	DS-14-1675	Total/NA	Solid	7471B	206511
240-57769-9	DS-12-1675	Total/NA	Solid	7471B	206511
240-57769-10	DS-07-1655	Total/NA	Solid	7471B	206511
240-57769-11	DS-04-1675	Total/NA	Solid	7471B	206511
240-57769-12	DS-09-1655	Total/NA	Solid	7471B	206511
240-57769-13	DUP A	Total/NA	Solid	7471B	206511
240-57769-14	DS-08-1675	Total/NA	Solid	7471B	206511
240-57769-15	DS-11-1655	Total/NA	Solid	7471B	206511
LCS 240-206511/2-A	Lab Control Sample	Total/NA	Solid	7471B	206511
MB 240-206511/1-A	Method Blank	Total/NA	Solid	7471B	206511

Analysis Batch: 206868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57769-1	DS-11-1675	Total/NA	Solid	6010C	206494
240-57769-2	DS-03-1675	Total/NA	Solid	6010C	206494
240-57769-3	DS-13-1675	Total/NA	Solid	6010C	206494
240-57769-4	DS-09-1675	Total/NA	Solid	6010C	206494
240-57769-5	DS-10-1655	Total/NA	Solid	6010C	206494

Metals (Continued)

Analysis Batch: 206868 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57769-6	DS-12-1655	Total/NA	Solid	6010C	206494
240-57769-7	DS-08-1655	Total/NA	Solid	6010C	206494
240-57769-8	DS-14-1675	Total/NA	Solid	6010C	206494
240-57769-9	DS-12-1675	Total/NA	Solid	6010C	206494
240-57769-10	DS-07-1655	Total/NA	Solid	6010C	206494
240-57769-11	DS-04-1675	Total/NA	Solid	6010C	206494
240-57769-12	DS-09-1655	Total/NA	Solid	6010C	206494
240-57769-13	DUP A	Total/NA	Solid	6010C	206494
240-57769-14	DS-08-1675	Total/NA	Solid	6010C	206494
240-57769-15	DS-11-1655	Total/NA	Solid	6010C	206494
LCS 240-206494/2-A	Lab Control Sample	Total/NA	Solid	6010C	206494
MB 240-206494/1-A	Method Blank	Total/NA	Solid	6010C	206494

Analysis Batch: 206959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57769-1	DS-11-1675	TCLP	Solid	6010C	206678
240-57769-1	DS-11-1675	TCLP	Solid	6010C	206678
240-57769-2	DS-03-1675	TCLP	Solid	6010C	206678
240-57769-2	DS-03-1675	TCLP	Solid	6010C	206678
240-57769-3	DS-13-1675	TCLP	Solid	6010C	206678
240-57769-4	DS-09-1675	TCLP	Solid	6010C	206678
240-57769-4	DS-09-1675	TCLP	Solid	6010C	206678
240-57769-5	DS-10-1655	TCLP	Solid	6010C	206678
240-57769-5	DS-10-1655	TCLP	Solid	6010C	206678
240-57769-6	DS-12-1655	TCLP	Solid	6010C	206678
240-57769-6	DS-12-1655	TCLP	Solid	6010C	206678
240-57769-7	DS-08-1655	TCLP	Solid	6010C	206678
LB 240-206575/1-B	Method Blank	TCLP	Solid	6010C	206678
LCS 240-206678/3-A	Lab Control Sample	Total/NA	Solid	6010C	206678
MB 240-206678/2-A	Method Blank	Total/NA	Solid	6010C	206678

Analysis Batch: 207017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57769-1	DS-11-1675	TCLP	Solid	7470A	206680
240-57769-2	DS-03-1675	TCLP	Solid	7470A	206680
240-57769-3	DS-13-1675	TCLP	Solid	7470A	206680
240-57769-4	DS-09-1675	TCLP	Solid	7470A	206680
240-57769-5	DS-10-1655	TCLP	Solid	7470A	206680
240-57769-6	DS-12-1655	TCLP	Solid	7470A	206680
240-57769-7	DS-08-1655	TCLP	Solid	7470A	206680
LB 240-206575/1-C	Method Blank	TCLP	Solid	7470A	206680
LCS 240-206680/3-A	Lab Control Sample	Total/NA	Solid	7470A	206680
MB 240-206680/2-A	Method Blank	Total/NA	Solid	7470A	206680

General Chemistry

Analysis Batch: 206558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57769-1	DS-11-1675	Total/NA	Solid	Moisture	
240-57769-2	DS-03-1675	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 206558 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-57769-3	DS-13-1675	Total/NA	Solid	Moisture	
240-57769-4	DS-09-1675	Total/NA	Solid	Moisture	
240-57769-5	DS-10-1655	Total/NA	Solid	Moisture	
240-57769-5 DU	DS-10-1655	Total/NA	Solid	Moisture	
240-57769-6	DS-12-1655	Total/NA	Solid	Moisture	
240-57769-7	DS-08-1655	Total/NA	Solid	Moisture	
240-57769-8	DS-14-1675	Total/NA	Solid	Moisture	
240-57769-9	DS-12-1675	Total/NA	Solid	Moisture	
240-57769-10	DS-07-1655	Total/NA	Solid	Moisture	
240-57769-11	DS-04-1675	Total/NA	Solid	Moisture	
240-57769-12	DS-09-1655	Total/NA	Solid	Moisture	
240-57769-13	DUP A	Total/NA	Solid	Moisture	
240-57769-14	DS-08-1675	Total/NA	Solid	Moisture	
240-57769-14 DU	DS-08-1675	Total/NA	Solid	Moisture	
240-57769-15	DS-11-1655	Total/NA	Solid	Moisture	

Lab Chronicle

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-11-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	3010A			206678	11/13/15 10:23	WKD	TAL CAN
TCLP	Analysis	6010C		1	206959	11/16/15 13:06	KLC	TAL CAN
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	3010A			206678	11/13/15 10:23	WKD	TAL CAN
TCLP	Analysis	6010C		100	206959	11/16/15 14:17	KLC	TAL CAN
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	7470A			206680	11/13/15 14:00	WKD	TAL CAN
TCLP	Analysis	7470A		1	207017	11/16/15 16:22	WAL	TAL CAN
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DS-11-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-1
Matrix: Solid
Percent Solids: 97.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		20	206868	11/13/15 14:25	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:32	DSH	TAL CAN

Client Sample ID: DS-03-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	3010A			206678	11/13/15 10:23	WKD	TAL CAN
TCLP	Analysis	6010C		1	206959	11/16/15 13:10	KLC	TAL CAN
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	3010A			206678	11/13/15 10:23	WKD	TAL CAN
TCLP	Analysis	6010C		100	206959	11/16/15 14:21	KLC	TAL CAN
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	7470A			206680	11/13/15 14:00	WKD	TAL CAN
TCLP	Analysis	7470A		1	207017	11/16/15 16:24	WAL	TAL CAN
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DS-03-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-2
Matrix: Solid
Percent Solids: 99.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN

Lab Chronicle

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-03-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-2
Matrix: Solid
Percent Solids: 99.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		100	206868	11/13/15 15:38	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:33	DSH	TAL CAN

Client Sample ID: DS-13-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	3010A			206678	11/13/15 10:23	WKD	TAL CAN
TCLP	Analysis	6010C		1	206959	11/16/15 13:14	KLC	TAL CAN
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	7470A			206680	11/13/15 14:00	WKD	TAL CAN
TCLP	Analysis	7470A		1	207017	11/16/15 16:27	WAL	TAL CAN
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DS-13-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-3
Matrix: Solid
Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		50	206868	11/13/15 14:33	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:35	DSH	TAL CAN

Client Sample ID: DS-09-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	3010A			206678	11/13/15 10:23	WKD	TAL CAN
TCLP	Analysis	6010C		1	206959	11/16/15 13:19	KLC	TAL CAN
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	3010A			206678	11/13/15 10:23	WKD	TAL CAN
TCLP	Analysis	6010C		10	206959	11/16/15 14:25	KLC	TAL CAN
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	7470A			206680	11/13/15 14:00	WKD	TAL CAN
TCLP	Analysis	7470A		1	207017	11/16/15 15:49	WAL	TAL CAN
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Lab Chronicle

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-09-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-4
Matrix: Solid
Percent Solids: 98.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		100	206868	11/13/15 15:51	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:36	DSH	TAL CAN

Client Sample ID: DS-10-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	3010A			206678	11/13/15 10:23	WKD	TAL CAN
TCLP	Analysis	6010C		1	206959	11/16/15 13:23	KLC	TAL CAN
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	3010A			206678	11/13/15 10:23	WKD	TAL CAN
TCLP	Analysis	6010C		20	206959	11/16/15 14:37	KLC	TAL CAN
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	7470A			206680	11/13/15 14:00	WKD	TAL CAN
TCLP	Analysis	7470A		1	207017	11/16/15 15:51	WAL	TAL CAN
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DS-10-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-5
Matrix: Solid
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		20	206868	11/13/15 14:41	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:38	DSH	TAL CAN

Client Sample ID: DS-12-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	3010A			206678	11/13/15 10:23	WKD	TAL CAN
TCLP	Analysis	6010C		1	206959	11/16/15 13:27	KLC	TAL CAN
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	3010A			206678	11/13/15 10:23	WKD	TAL CAN
TCLP	Analysis	6010C		100	206959	11/16/15 14:42	KLC	TAL CAN
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	7470A			206680	11/13/15 14:00	WKD	TAL CAN

Client Sample ID: DS-12-1655
Lab Sample ID: 240-57769-6
Date Collected: 11/09/15 00:00
Matrix: Solid
Date Received: 11/11/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Analysis	7470A		1	207017	11/16/15 15:53	WAL	TAL CAN
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DS-12-1655
Lab Sample ID: 240-57769-6
Date Collected: 11/09/15 00:00
Matrix: Solid
Date Received: 11/11/15 10:00
Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		20	206868	11/13/15 14:45	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:40	DSH	TAL CAN

Client Sample ID: DS-08-1655
Lab Sample ID: 240-57769-7
Date Collected: 11/09/15 00:00
Matrix: Solid
Date Received: 11/11/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	3010A			206678	11/13/15 10:23	WKD	TAL CAN
TCLP	Analysis	6010C		1	206959	11/16/15 13:32	KLC	TAL CAN
TCLP	Leach	1311			206575	11/12/15 17:00	DRJ	TAL CAN
TCLP	Prep	7470A			206680	11/13/15 14:00	WKD	TAL CAN
TCLP	Analysis	7470A		1	207017	11/16/15 15:47	WAL	TAL CAN
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DS-08-1655
Lab Sample ID: 240-57769-7
Date Collected: 11/09/15 00:00
Matrix: Solid
Date Received: 11/11/15 10:00
Percent Solids: 98.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		50	206868	11/13/15 14:49	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:44	DSH	TAL CAN

Client Sample ID: DS-14-1675
Lab Sample ID: 240-57769-8
Date Collected: 11/09/15 00:00
Matrix: Solid
Date Received: 11/11/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Lab Chronicle

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Client Sample ID: DS-14-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-8
Matrix: Solid
Percent Solids: 98.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		100	206868	11/13/15 15:59	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:46	DSH	TAL CAN

Client Sample ID: DS-12-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DS-12-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-9
Matrix: Solid
Percent Solids: 98.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		250	206868	11/13/15 16:03	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:47	DSH	TAL CAN

Client Sample ID: DS-07-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DS-07-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-10
Matrix: Solid
Percent Solids: 99.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		20	206868	11/13/15 15:14	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:50	DSH	TAL CAN

Client Sample ID: DS-04-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DS-04-1675
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-11
Matrix: Solid
Percent Solids: 99.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		250	206868	11/13/15 16:07	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:52	DSH	TAL CAN

Client Sample ID: DS-09-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DS-09-1655
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-12
Matrix: Solid
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		20	206868	11/13/15 15:22	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:53	DSH	TAL CAN

Client Sample ID: DUP A
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DUP A
Date Collected: 11/09/15 00:00
Date Received: 11/11/15 10:00

Lab Sample ID: 240-57769-13
Matrix: Solid
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN

Client Sample ID: DUP A
Lab Sample ID: 240-57769-13
Date Collected: 11/09/15 00:00
Matrix: Solid
Date Received: 11/11/15 10:00
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		100	206868	11/13/15 16:28	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:56	DSH	TAL CAN

Client Sample ID: DS-08-1675
Lab Sample ID: 240-57769-14
Date Collected: 11/09/15 00:00
Matrix: Solid
Date Received: 11/11/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DS-08-1675
Lab Sample ID: 240-57769-14
Date Collected: 11/09/15 00:00
Matrix: Solid
Date Received: 11/11/15 10:00
Percent Solids: 99.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		50	206868	11/13/15 15:30	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:57	DSH	TAL CAN

Client Sample ID: DS-11-1655
Lab Sample ID: 240-57769-15
Date Collected: 11/09/15 00:00
Matrix: Solid
Date Received: 11/11/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	206558	11/12/15 15:23	GNR	TAL CAN

Client Sample ID: DS-11-1655
Lab Sample ID: 240-57769-15
Date Collected: 11/09/15 00:00
Matrix: Solid
Date Received: 11/11/15 10:00
Percent Solids: 99.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			206494	11/12/15 10:45	DEE	TAL CAN
Total/NA	Analysis	6010C		20	206868	11/13/15 15:34	KLC	TAL CAN
Total/NA	Prep	7471B			206511	11/12/15 15:45	DEE	TAL CAN
Total/NA	Analysis	7471B		1	206814	11/13/15 14:59	DSH	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: URS Corporation
Project/Site: Closed Loop

TestAmerica Job ID: 240-57769-1

Laboratory: TestAmerica Canton

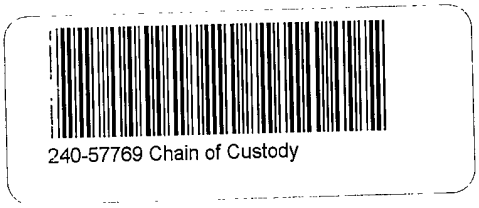
All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-17
Connecticut	State Program	1	PH-0590	12-31-15
Illinois	NELAP	5	200004	07-31-16
Kansas	NELAP	7	E-10336	01-31-16 *
Kentucky (UST)	State Program	4	58	02-26-16
Kentucky (WW)	State Program	4	98016	12-31-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-15
Nevada	State Program	9	OH-000482008A	07-31-16
New Jersey	NELAP	2	OH001	11-30-15 *
New York	NELAP	2	10975	03-31-16
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-16
Pennsylvania	NELAP	3	68-00340	08-31-16
Texas	NELAP	6	T104704517-15-5	08-31-16
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-16
Washington	State Program	10	C971	01-12-16
West Virginia DEP	State Program	3	210	12-31-15
Wisconsin	State Program	5	999518190	08-31-16

* Certification renewal pending - certification considered valid.

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



4101 Shuffel Street, N.W. North Canton, OH 44720 tel 330.497.9396 fax 330.497.0772 www.testamericainc.com

TestAmerica Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
Phone: 330.497.9396 Fax: 330.497.0772

4.6(c)4.7

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Form No. CA-C-WI-002, Rev. 4.2, dated 04/02/2013

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Seda Ergun	Site Contact:	Date:	COC No:
Company Name: AECOM	Tel/Fax:	Lab Contact: Mark Loeb	Carrier:	1 of 2 COCs
Address: 1375 EUCLID AVE	Analysis Turnaround Time			Sampler:
City/State/Zip: CLEVELAND OH 44115	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 216-622-2400	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Closed Loop	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Metals 6010	TCLP - 1311/6010	Sample Specific Notes:
DS-11-1675	11/9		C	solid	1			✓	✓	
DS-03-1675	↓		↓	↓	↓			✓	✓	
DS-13-1675								✓	✓	
DS-09-1675								✓	✓	
DS-10-1655								✓	✓	
DS-12-1655								✓	✓	
DS-08-1655								✓	✓	
DS-14-1675								✓		
DS-12-1675								✓		
DS-07-1655								✓		
DS-04-1675								✓		
DS-09-1655	↓		↓	↓	↓			✓		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
samples contain glass. We expect high lead and cadmium, possibly mercury.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Jeffrey Beck	AECOM	11/10 500 pm		TA	11-11-15 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
Phone: 330.497.9396 Fax: 330.497.0772

4.6/C4.7

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Form No. CA-C-WI-002, Rev. 4.2, dated 04/02/2013

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Seda Ergun	Site Contact:	Date:	COC No:
Company Name: AECOM	Tel/Fax:	Lab Contact: Mark Loeb	Carrier:	2 of 2 COCs
Address: 1375 EUCLID AVE	Analysis Turnaround Time			Sampler:
City/State/Zip: CLEVELAND OH 44115	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 216-622-2400	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Closed Loop	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Metals 6010	Sample Specific Notes:
DUP A	11/9		C	solid	1			✓	
DS-08-1675	↓		↓	↓	1			✓	
DS-11-1655	↓		↓	↓	1			✓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

see 1st page

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Jeffrey Fleck	AECOM	11/10 5:00 pm		TA	11-11-15 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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11/12/2015

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 57X10**
Canton Facility

Client AECOM Site Name

Cooler unpacked by:

Cooler Received on 11-11-15 Opened on 11-11-15

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box (Client Cooler) Box Other

Packing material used: ~~Bubble Wrap~~ Foam Plastic Bag None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 53 (CF **+0.1** °C) Observed Cooler Temp. 4.6 °C Corrected Cooler Temp. 4.7 °C

IR GUN# 48 (CF **-0.3** °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C ☐ See Multiple Cooler Form

~~IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C~~

IR GUN# 8 (CF **-0.5** °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity ( )	(Yes)	No
-Were custody seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	(No)
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels be reconciled with the COC?	(Yes)	No
9. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
10. Sufficient quantity received to perform indicated analyses?	(Yes)	No
11. Were sample(s) at the correct pH upon receipt?	Yes	No (NA) pH Strip Lot# **HC554612**
12. Were VOAs on the COC?	Yes	(No)
13. Were air bubbles >6 mm in any VOA vials?	Yes	No (NA)
14. Was a trip blank present in the cooler(s)? Trip Blank Lot #	Yes	(No)

Contacted PM Date by via Verbal Voice Mail Other

Concerning

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

15. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container.

Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory.

Time preserved: Preservative(s) added/Lot number(s):

Ref: SOP NC-SC-0005, Sample Receiving
X:\X-Drive Document Control\SOPs\Work Instructions\Word Version Work Instructions\WI-NC-099V-102115 Cooler Receipt Form.doc djl

APPENDIX D

Appendix D
Calculations for Closure Costs
Closed Loop Facility
Columbus, Ohio

Conversions:					
Quantity	**Unit**		**Quantity**	**Unit**	**Notes**
1	Gaylord box	=	1	Cubic Yards (CYs)	Assumption for the average sized box.
1	53' Truck	=	3,392	Cubic Feet (CF)	Novotec states truck is 53' long x 8' high x 8' wide
1	53' Truck	=	126	CYs	Conversion (cubic feet to cubic yards)
1	53' Truck	=	52	Gaylord boxes	Novotec states truck can fit 2 rows of 13 stacked 2 high
1	53' Truck	=	21	Tons	Max weight capacity per Ohio law

Calculations:							
Total Truck Loads based on Weight:							
44,560	Tons of Inventory	/	21	Tons per Truck Load	=	2,122	Truck Loads
Total Truck Loads based on 52 boxes per truck:							
111,400	CYs or Gaylord Box	/	52	Gaylords per Truck	=	2,142	Truck Loads
Gaylord Box Weight:							
21	Tons per Truckload	/	52	Gaylords per Truck	=	0.4	Tons per Gaylord
Estimated Mass on Inventory Onsite:							
0.4	Tons per Gaylord	*	111,400	Cu. Yds. of Material	=	44,560	Tons of Inventory

Appendix D
Summary of Cost Estimates
Closed Loop Facility
Columbus, Ohio

Material	Novotec	Waste Management	Enviroserve	EMS	Dlubak Glass
Inventory:					
CRT monitors	$0.15/lb	$0.56/lb			$0.25/lb
Rear projection TVs	$0.19/lb	$0.56/lb			$0.25/lb
Leaded Glass	$0.14/lb				
Non-leaded Glass	$2/ton				
Electronics	$0.2/ton				
LCD Monitors, stereos, DVD players, keyboards, printers		$0.09/lb			
Laptops, PCs		$0.07/lb			
LCD Monitors (Damaged)		$0.47/lb			
Commodities (hard drives, power supplies, wires)		$0.07/lb			
Trucking	$300/ton	$1125/load	$450/ton	$300/truck load	

Warehouse decontamination	Quantity	Units	Unit Costs	Total Costs	Assumptions
EMS					
Mob/Demob	1	EA	4,400	4,400	
Labor & Equipment	12	Days	5,000	60,000	12 days
Transport and disposal	20,000	Gallons	0.75	15,000	Assuming non-haz waste
Frac Tank & Cleaning at end of Project	1	EA	5,000	5,000	10 day rental
			Total Estimated Cost:	**$84,400**	
Includes clean-up of dust (assumed hazardous) from 2 warehouses. All floors and horizontal surfaces (including bar joists) shall be cleaned. Cleaning methods include high pressure steam and HEPA vacuums.			**Total Estimated Cost:**	**$463,000**	

Appendix B

2017 Atwell Evaluation of E-Waste Inventories and Remediation/Closure Options

EVALUATION OF E-WASTE INVENTORIES AND REMEDIATION/CLOSURE OPTIONS

For

1655 and 1675 Watkins Road
Columbus, Ohio

Prepared for

Katten Muchin Rosenman LLP
2900 K Street NW, North Tower - Suite 200
Washington, DC 20007

Prepared by

Atwell, LLC
7100 E. Pleasant Valley Road, Suite 220
Independence, Ohio 44131

May 4, 2017

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1.0 EXECUTIVE SUMMARY

Atwell, LLC (Atwell) was retained by Katten Muchin Rosenman LLP (Client) to provide environmental consulting services associated with abandoned electronic waste (e-waste) in the former Closed Loop Refining and Recovery, Inc. (Closed Loop) tenant space located at 1655 and 1675 Watkins Road, Columbus, Ohio (the Site). The Site is currently owned by Garrison Southfield Park LLC (Southfield). As pertinent, the Client directed Atwell to assess the nature and quantity of e-waste present at the Site; to identify and vet hazardous e-waste recycling and abatement contractors for the removal and remediation of the Site; to provide an estimate of costs for the removal and remediation of the Site in accordance with reasonably foreseeable Resource Conservation and Recovery Act (RCRA) closure standards; and to demonstrate that the costs of responding to the abandonment are necessary costs consistent with the national contingency plan (NCP) in 40 C.F.R. Part 300.

Background

The Site includes two contiguous, commercial warehouses that were leased for the last several years to Closed Loop. Closed Loop held itself out as an e-waste recycler that would accept cathode ray tubes (CRTs). A CRT is a high vacuum tube in which cathode rays produce a luminous image on a fluorescent screen. CRTs can contain lead in amounts that exceed regulatory thresholds for hazardous waste under federal and state environmental laws. Closed Loop has since breached their leases and abandoned the Site, leaving both warehouses ~90% full of e-waste. It also appears that Closed Loop's e-waste recycling operations may not have had appropriate dust control systems in place, which appears to have contributed to hazardous dust residue throughout both warehouses. It is Atwell's understanding that Southfield is currently cooperating with the Ohio Environmental Protection Agency (Ohio EPA) in discussions regarding how best to remediate the Site. In the interim, access to the buildings impacted by the Closed Loop's operations currently requires authorization by Southfield; personal protective equipment, including a respirator; and compliance with a detailed Health and Safety Plan prepared by Atwell in keeping with Occupational Safety and Health Act criteria. Atwell has also taken appropriate interim actions to control and stabilize the Site and structures within the Site, consistent with the NCP.

Nature and Quantity of E-Waste

Based on Atwell's on-site inspection and records review, Closed Loop abandoned approximately 128,200,000 pounds (lbs.) (i.e., 64,100 tons) of e-wastes at the Site (*see **Table 1*** and ***Table 2***). The e-waste includes used, broken CRTs; processed CRT glass; flat-screen displays; projection units; and miscellaneous electronic scrap, e.g., segregated plastic and scrap metal. The predominant e-waste present on the Site consists of stockpiled crushed CRT glass from e-waste received and partially processed by Closed Loop, which must be disposed of as either a hazardous waste for lead in a RCRA Subtitle C landfill or as a non-hazardous waste pursuant to a lead pretreatment process in a RCRA Subtitle D landfill, unless an alternate lead smelting/recycling option exists. Factoring in a 5% margin of error, Atwell is estimating that between 60,100 tons and 67,300 tons of e-waste will require removal, disposal and/or recycling in accordance with applicable federal and state hazardous waste law.

Hazardous Waste Removal and Remediation Contractors

Atwell solicited bids from several hazardous waste recyclers for e-waste removal, disposal and/or recycling. Atwell's contractor pre-selection criteria involved the evaluation of, among other things, location relative to the Site, regulatory compliance history, applicable means and methods, historical e-waste practices, ability to handle a project of this magnitude, preliminary pricing/schedule estimates, and environmentally-sound disposition of the subject material. Atwell identified six all-inclusive contractors willing to present e-waste removal bids, which ranged from $12.5 million to $51.2 million. Atwell also identified one contractor that presented a bid of $290,000 associated only with the packaging and loading phase. Based on the quality of the bids and contractor capabilities, Atwell identified three frontrunners, which included Novotec, Hazardous Waste Experts, and URT, with bids ranging from $12.5 million to $18 million, respectively. Of the three frontrunners, Novotec has been selected as the most preferred.

Atwell also solicited bids from several remediation contractors that would provide lead dust remediation services inside the Site following the removal of the e-waste. Atwell's contractor pre-selection criteria involved the evaluation of, among other things, contractor approach, expertise, and manpower. Atwell identified three contractors willing to present remediation bids, which included Precision Environmental, Hazardous Waste Experts, and Environmental Management Specialists with bids ranging from $103,000 to $413,050. Each firm was deemed capable of performing the work, although Precision Environmental has been selected as the most preferred.

Total Projected Removal and Remediation Costs

Based on available information, and as discussed further below, the total project cost is estimated to be $14.2 million, which includes $1.2 million in estimated costs for Atwell project administration, environmental consulting, and other advisory services. Costs, however, may be significantly higher and depend upon the material quantities, transportation fuel costs, and the availability of previously-identified landfills, lead smelters, or other disposal/recycling outlets to accept such high volumes of e-waste at the time the removal efforts are launched. Costs may also increase depending upon the extent of Ohio EPA's oversight over RCRA closure of the Site. At this time, it is not possible to project with any reasonable certainty how these and other variables will ultimately impact the bottom line.

2.0 INTRODUCTION

Atwell was retained by the Client to provide environmental consulting services is connection with abandoned e-waste in the former Closed Loop tenant space located at 1655 and 1675 Watkins Road, Columbus, Ohio.

Atwell Professional Qualifications

Atwell has been providing environmental consulting services in Ohio for more than 20 years. Atwell has worked on numerous industrial sites including forge/foundry sites, paper mills, steel mills and/or metal working/machining facilities, bulk petroleum plants, automotive plants, cold storage facilities, numerous types of manufacturing facilities, landfills, and food processing facilities. Our project experience has included various forms of environmental due diligence, foreclosure assessments, site

assessments, contaminant delineation, remediation design and execution, compliance, permitting, demolition and disposal assessments, waste characterization (i.e., solid, hazardous, universal, and e-waste), regulator coordination and negotiations, e.g., various branches and programs under the United States Environmental Protection Agency and Ohio EPA, waste disposal oversight, and achieving site compliance via the Ohio EPA's Voluntary Action Program (VAP).

Atwell has worked on numerous project sites involving the evaluation and disposal coordination of solid wastes, hazardous wastes, universal wastes, and e-wastes. Our clients for these projects have included international and national manufacturing companies, hospitals, brownfield developers, owners/operators, and lenders that have foreclosed on industrial properties. Recently, Atwell provided professional consulting for a brownfield redevelopment project involving the evaluation of various hazardous and non-hazardous wastes streams, universal wastes, and e-wastes associated with several multi-story buildings encompassing two city blocks in a prominent metropolitan downtown community. Atwell completed all of the necessary site/building evaluation services to characterize the waste streams; arranged for the proper remediation, disposal, and recycling of the materials; properly permit the project; and achieved project site closure through appropriate federal and state programs.

Michael Koenig serves as Atwell's Team Leader for the Southfield project. Mr. Koenig has more than 19 years of experience in environmental consulting and manages Atwell's environmental teams in Independence, Ohio; Pittsburgh, Pennsylvania; and Atlanta, Georgia. He has managed and overseen a variety of remediation projects involving the assessment and remediation of various chemicals of concern, at large-scale commercial and industrial facilities. He has expertise in conducting site assessments, contaminant delineation, waste characterization (solid, hazardous, universal, and e-waste), waste disposal oversight, and achieving site compliance. He has successfully shepherded numerous brownfield projects through compliance with the Ohio EPA's VAP.

Appendix A contains information regarding Atwell's qualifications and professional environmental consulting experience; a *curriculum vitae* for Michael Koenig; summary letter pertaining to Atwell's project costs incurred to-date; and a proposed scope of work and cost estimate for additional environmental consulting services associated with the remediation and regulatory closure activities for the Site.

Closed Loop Project Summary

The Site is comprised of two commercial warehouse buildings, 1655 and 1675 Watkins Road, each of which were formerly leased by Closed Loop in the operation of a purported e-waste recycling facility. The 1655 Watkins Road building is approximately 218,000 square feet. Closed Loop previously occupied the southern 145,000 square foot portion of this building. The 1675 Watkins Road building is approximately 290,000 square feet and was solely occupied by Closed Loop. The buildings and Closed Loop tenant space are connected by an approximately 20 foot-wide corridor.

Based on available information, Closed Loop held itself out as an e-waste recycler in the two buildings referenced above from approximately 2012 to 2016. Closed Loop accepted e-wastes including CRTs, flat-screen displays, projection units, and other e-waste for disassembly and recycling. Primary operations included mechanical dismantling of televisions and computer monitors (CRT containing devices), which involved manual separation of plastic, precious metals, and CRT. Secondary operations included the mechanical crushing of the CRT glass components. Segregated plastics,

metals, and crushed glass were then re-packaged into open-top, cardboard gaylord containers. Some of the segregated plastics and metals were shipped off-site for recycling. Most of the processed CRT glass, however, was stockpiled on-site for several years, apparently in violation of RCRA's prohibition on the speculative accumulation of processed CRT glass undergoing recycling.

In the spring of 2016, Closed Loop abandoned the Site, leaving their unprocessed or partially processed e-waste left behind. Both buildings are approximately 90% full of e-waste and e-waste containers (cardboard gaylord containers) that are predominately stacked on top of each other two or three high. Additionally, it appears the CRT glass crushing operations conducted by Closed Loop may not have been operating with dust control systems that met Ohio EPA or OSHA standards, resulting in heavy dust residue throughout the Site.

Appendix B includes representative photographs of the abandoned e-waste and associated Site conditions.

The sections below describe Atwell's efforts to complete the following tasks for the Client:

- Review records associated with Closed Loop operations and existing Site conditions to evaluate potential remedies for the Client.
- Inspect the Site and abandoned e-waste to identify the types and condition of the e-waste materials on Site and the overall quantities of each waste stream that will require removal for recycling and/or disposal.
- Identify and vet potential e-waste recycling contractors for the removal of the e-waste from the Site for proper off-site recycling and/or disposal.
- Identify and vet potential environmental remediation contractors to remediate the Site of hazardous dust following the removal of the stockpiled e-waste materials.
- Provide an estimate of costs for the removal and remediation of the Site in accordance with reasonably foreseeable RCRA closure standards.

3.0 SITE INSPECTIONS FOR E-WASTE EVALUATION (QUANTITY, TYPE, CONDITION ASSESSMENTS)

At the Client's direction, Atwell completed field inspections on June 10, 2016, July 12, 2016, and August 1-4, 2016, to evaluate the amount and type of abandoned e-waste at the Site. The August 1-4 inspections included two representatives from URT Solutions (URT), a prominent and seasoned e-waste recycling firm.

Due to the condition in which Closed Loop abandoned the Site, there were limiting factors that affected the inventory due diligence work – namely, that a thorough examination of each individual cardboard gaylord container was not possible. As previously mentioned, both buildings are approximately 90% full of e-waste. The e-waste is mostly containerized in cardboard gaylord containers that are approximately 4-feet wide by 4-feet long and 4-feet tall. Many of these gaylords have deteriorated, which may have been a function of Closed Loop's practice to repurpose the same

boxes used to transport intact CRTs to the Site as opposed to purchasing new and more durable containers. Each gaylord is situated on a standard wood pallet, with the gaylords and accompanying pallets stacked two or three high throughout the majority of the Site. Furthermore, many of the aisles were used to accommodate additional storage, which impeded the ability to access much of the Site. Throughout the nearly 10 acres of building area, only few aisles exist along the east walls of the buildings, in three small processing areas, and in a few locations through the central portions of the stockpiled e-waste. Thus, many of the gaylords were not reasonably accessible.

Based on Atwell's and URT's inspection and inventory assessment, 1675 Watkins Road was predominately used to stockpile crushed CRT glass. This building is nearly full of gaylords stacked two-three high with crushed CRT glass. During the inspection, it became evident that, at some point, Closed Loop had started filling the aisles that previously existed in 1675 Watkins Road to store intact CRT units that were not being processed. The central portion of this building contains gaylords of crushed CRT glass; the aisles along the south, east,.and north perimeter walls appear to contain whole unprocessed CRT units (televisions, computer monitors, and/or intact CRT tubes).

The 1655 Watkins Road location appears to have been used to receive intact CRT units (televisions and computer monitors) and store the units for on-site de-manufacturing. The north portion of this building also contains a small de-manufacturing line where Closed Loop would manually separate the CRT tubes from plastic and metal housings associated with whole televisions and/or computer monitors.

As part of the e-waste inventory assessment, Atwell and URT completed a visual assessment of each building to calculate the total number of gaylords and the types of e-waste present in the buildings. Furthermore, Atwell and URT assessed representative samplings of the various material types to establish average weights of each material type container. To accomplish this evaluation, Atwell and URT utilized a forklift and pallet scale to weigh representative unit containers. Atwell and URT broke the materials down into eight basic unit categories:

1. CRT whole tubes (tubes only) in cardboard gaylords on wood pallets,
2. Complete CRT units on wood pallets (wrapped in plastic, not in cardboard gaylords),
3. Complete CRT units in cardboard gaylords on wood pallets,
4. Projections lamps in cardboard gaylords on wood pallets (1655 only),
5. CRT crushed glass in cardboard gaylords on wood pallets (1675 only).
6. Scrap plastic in cardboard gaylords on wood pallets,
7. Scrap metal with glass in cardboard gaylords on wood pallets, and
8. CRT panel glass with metal bands on wood pallets and in super sacks.

To establish average weights for each unit (e-waste) type, Atwell and URT selected at least ten representative containers of each unit type. Each unit container was weighed on a pallet scale. The individual weights were then used to calculate an average weight for each unit waste type. Once the average weights were determined, Atwell and URT identified the locations of material by type throughout the Site and documented estimated quantities. Once the total number of unit containers was evaluated, Atwell and URT utilized the average weights to calculate the total quantity of each waste stream in the buildings.

Appendix C, Figures 1 and ***2,*** summarize the number of containers and their locations at the Site.

Tables 1 and *2*, below, summarize the total amount of estimated e-waste present at the Site.

Table 1: 1655 Watkins Road – Est. Total E-Waste Weight Based on Waste Type Container Averages

1655 Watkins Road Building	Estimated Total Number of Containers/Units	Average Weight of Container/Unit (lbs.)	Estimated Total Weight (lbs.)
CRT whole tubes in cardboard gaylords on wood pallets	5,815	1,131	6,576,765
Complete CRT units on wood pallets	658	1,279	841,582
Complete CRT units in cardboard gaylords on wood pallets	4,639	571	2,648,869
Projection lamps in cardboard gaylords on wood pallets	193	959	185,087
Scrap plastic in cardboard gaylords on wood pallets	108	180	19,440
Scrap metal with glass in cardboard gaylords on wood pallets	4	486	1,944
CRT panel with metal bands on wood pallets and in super sacks	6	2401	14,406
Estimated Total Weight	10,288,093 lbs. (5,144 tons)		

Table 2: 1675 Watkins Road – Est. Total E-Waste Weight Based on Waste Type Container Averages

1675 Watkins Road Building	Estimated Total Number of Containers/Units	Average Weight of Container/Unit (lbs.)	Estimated Total Weight (lbs.)
CRT whole tubes in cardboard gaylords on wood pallets	1913	1,131	2,163,603
Complete CRT units on wood pallets	872	1,279	1,115,288
Complete CRT units in cardboard gaylords on wood pallets	621	571	354,591
CRT crushed glass in cardboard gaylords on wood pallets	28,233	4,029	113,750,757
Scrap plastic in cardboard gaylords on wood pallets	84	180	15,120
Scrap metal with glass in cardboard gaylords on wood pallets	668	486	324,648
CRT panel with metal bands on wood pallets and in super sacks	73	2,401	175,273
Estimated Total Weight	117,899,280 lbs. (58,949 tons)		
Estimated Total Amount of E-Waste in Both Buildings	128,187,373 lbs. (64,093 tons)		

4.0 E-WASTE REMOVAL: SCOPE DEVELOPMENT AND COST ESTIMATES

Atwell evaluated various scopes of work for removing the e-waste from the Site. Atwell reached out to numerous e-waste recycling contractors in an effort to obtain competitive cost estimates and schedules in the removal of accumulated e-waste inside the Site buildings. Atwell's due diligence for contractor selection involved the evaluation of, among other things, the contractor's location relative to the Site, regulatory compliance history, applicable means and methods, historical e-waste practices, their ability to handle a project of this magnitude, preliminary pricing/schedule estimates, and the environmentally-sound disposition of the subject material.

Based on discussions with e-waste recycling contractors, the e-waste recycling industry is comprised of a limited number of companies that have the ability to handle significant quantities of e-waste. As such, many of the e-waste recycling contractors approached for this project were determined to be unsuitable or unable to handle a project of this magnitude either due to their size, lack of preferred certifications, or their proposed recycling/disposal practices.

Atwell conducted an "open house/preliminary bid meeting" at the Site on June 10, 2016, to familiarize qualified e-waste recycling, transportation, and remediation contractors with the project. The purpose of the meeting was to allow qualified contractors to evaluate the amount, type, and condition of materials on Site so each firm could formulate a strategic and site-specific proposal for the removal of the e-waste from the buildings, and to account for proper recycling and/or disposing of the materials. The following contractors attended the open house/preliminary bid meeting:

- E-Waste, LLC – Potential e-waste loading and transportation contractor
- Environmental Management Specialists – Potential loading contractor
- URT Solutions – Potential transportation and recycling contractor
- Hazardous Waste Experts – Potential loading, transportation, recycling contractor
- Electronic Recyclers International – Potential recycling contractor
- Nulife Glass – Potential transportation and recycling contractor

Certain contractors elected not to submit bids. Following the pre-bid walk-through, E-waste, LLC and American Abatement decided to not provide quotes for the project due to its size and complexity.

Certain contractor options that initially appeared promising proved not to be viable. Nulife Glass initially expressed potential interest in purchasing the Site, its contents, and the property in its current state. Nulife was assessing the viability of installing smelting furnaces on Site to process the significant quantities of crushed CRT glass, thus avoiding off-site transportation for recycling or disposal of the material. However, based on further review, there were too many uncertainties, including, among other things, whether and on what time frame Nulife could secure the appropriate air permitting.

In addition to the contractors referenced above, Atwell also evaluated previous cost estimate proposals provided by Kuusakoski Recycling, BCS, Inc. (BCS), and Novotec Recycling (Novotec). Kuusakoski was eliminated from consideration in light of Closed Loop records that indicated that Kuusakoski or entities affiliated with Kuusakoski had previously shipped approximately 40 million lbs of e-waste to the Site for processing by Closed Loop.

Novotec evaluated several outlets for the crushed CRT glass including one of which that had the

potential to represent a large cost savings for the project. Novotec indicated that they had previously visited the Site with a representative of Camacho Recycling from Spain. Camacho has recently been recognized by e-waste recyclers as economical solution for leaded glass recycling. Unfortunately, according to Novotec, Camacho determined that they would not be interested in receiving the crushed CRT glass, as Closed Loop did not properly sort the materials during their initial processing/crushing operations (i.e., clean crushed glass is mixed with leaded glass along with some plastic and metal fragments), thus resulting in a commingled e-waste (i.e., leaded and non-leaded glass).

Table 3 presents summaries of project cost estimates and schedules received from e-waste recycling contractors. In an effort to "compare apples to apples," the contractor estimates evaluated and summarized in the table below are based on unit rates provided by the contractors and Atwell's estimated e-waste material quantities present on Site.

Appendix D includes the removal contractors' cost estimate proposals and information concerning their qualifications.

Table 3: Summary of Contractor Cost Estimates: E-waste Removal, Recycling, and/or Disposal

Contractor	Tasks	Estimated Fee Total[1]	Material & Trucking Unit Rates	Schedule Duration	Comments
Environmental Management Specialists	L	$290,000	N/A	7 Months	For the recycling component of this project, this contractor could provide packaging and loading services only. For proposal purposes, they assumed project duration of 7 months. This contractor will also be including costs for installing dust controls, critical barriers, and/or environmental packaging efforts during loading. However, the cost for such is not yet included as the project/site-specific control measures or protocols have not yet been fully determined. The additional cost associated with the dust control measures and protocols is not anticipated to exceed $50,000.
BCS/Glassico	L, T, R	$24,996,537	Quoted all-inclusive at $0.195/lb	3-6 Months	This contractor is not recommended since their proposal is not considered competitive.
Electronic Recyclers International	R	$51,274,949	$0.40/lb	7-8 Months	This contractor is not recommended since their proposal is not considered competitive.
Kuusakoski	L, T, R	$22,554,108	Device $0.14 CRT Tube $0.125 Glass $0.08 $700/load non-haz $1,125/load haz Labor/Handling $0.014	9 Months	This contractor is not recommended since their proposal is not considered competitive. This contractor is also not recommended at this time due to their previous involvement, i.e., shipped approximately 40,000,000 lbs of e-waste to the Site for processing by Closed Loop. Much of the e-waste that Kuusakoski shipped still remains in the buildings. This contractor also provided project cost estimates for two alternate project schedules/durations, an 18 month project and a 6 month project. The cost estimate for the 18 month project duration was estimated to be $17,500,000. The 6 month project duration was estimated to be $24,054,000.
Hazardous Waste Experts	L, T, R	$17,955,396	Device $0.24 to $0.28/lb Glass $.049/lb Trans = Rail and Truck At $0.27/lb	8.5 months	This contractor plans to recycle all CRT monitors, tubes, and intact device at a R2 certified recycling facility in Mexico. This contractor would be shipping CRT devices, tubes, and intact devices to a rail yard approximately 15 miles from the Site. These recyclable materials would travel to Calexico, CA where they would be processed for export and off-loaded into trucks and prepared for transportation into Mexico for final recycling by Technology Displays. Processed leaded glass from this Mexico recycler would then transported to Videocon in India to be re-introduced in the CRT manufacturing process. Residual wastes generated by Technology Displays would be disposed of in unidentified Mexican landfills. All crushed glass at the Site would be transported and landfilled at a Subtitle C hazardous waste landfill (Envirosafe) in Oregon, Ohio using a cement micro-encapsulation process to prevent leaching. Clean scrap metal and plastic would be transported to local recyclers.
URT Solutions	T, R	$15,034,087	Device $0.14/lb Device $710/load Glass $0.11/lb Glass trucking included in price/lb	6-9 Months	URT is an E-Stewards certified recycler. All CRT monitors, tubes, and intact devices would be recycled by URT in their Janesville, WI recycling facility using an automated dry process to remove lead from the CRT funnel glass. Processed leaded glass would be transported to Camacho in Spain for recycling in the ceramic tile industry. Clean scrap metal and plastic would be transported to local recyclers. URT's proposal includes transporting all broken glass to U.S. Ecology in Detroit, MI for pre-treatment and disposal in a Subtitle D solid waste landfill using a 20 year old accepted process that has been approved for similar projects by the Michigan Department of Environmental Quality.
Novotec	L, T, R	$12,476,611	Device $0.16 to $0.18/lb Glass $0.09/lb Estimates include loading & trucking costs	9 Months	This is a preferred contractor. Novotec is an R2 certified e-waste recycler that is located approximately 6 miles from the Site. All CRT monitors, tubes, and intact devices will be recycled by Novotec at their local recycling facility. The contractor's proposal includes transporting all crushed glass to three separate landfills for disposal: (1) US Ecology in Detroit, MI (hazardous transport, pretreatment and off-site transport for disposal in a US Ecology affiliated non-hazardous Subtitle D landfill), (2) Envirosafe Landfill in Oregon, OH [hazardous transport, pretreatment (i.e., encapsulation) and disposal within an onsite Envirosafe hazardous Subtitle C landfill], and (3) Max Environmental Landfill in Yukon, PA (hazardous transport, pretreatment and disposal within an onsite Max Environmental non-hazardous Subtitle D landfill). Additionally, this contractor is also evaluating a fourth option for crushed glass consisting of a CRT smelting facility in Canada. The contractor will be utilizing his local staff for managing the daily packaging and loading operations.

L = Loading, T = Transportation, R = Recycling/Disposal

1 Estimated fees are based on weights of material, unit weights for disposal and data of bid real-time transportation fees. Estimated fees do not include the 5% margin of error in material volume calculation.

5.0 SITE REMEDIATION: SCOPE DEVELOPMENT & COST ESTIMATES

As previously discussed, based on Atwell's inspection activities it appears that the CRT glass crushing operations conducted by Closed Loop was not operating with sufficient dust control systems, resulting in heavy dust residue throughout the Site. The most severe dust contamination is near the former CRT crushing equipment. Heavy dust residues were observed on the floors of the buildings, on stockpiled containers of e-waste, on the walls of the buildings, and on virtually all flat surfaces.

Based on laboratory analytical testing results, the dust residues tested hazardous for lead. Based on these findings, the hazardous leaded dust will require remediation. The current project plan involves the remediation of lead dust following the removal of e-waste from the Site. During the removal of e-waste from the Site, workers inside the buildings will be required to wear proper personal protective equipment. Additionally, engineering controls and critical barriers are being established in an effort to prevent dust migration beyond the Site's footprint.

To develop Site remediation scopes of work and remediation cost estimates, Atwell solicited qualified remediation contractors to attend the June 10, 2016 "open house/preliminary bid meeting." The purpose of the meeting was to allow qualified remediation contractors to evaluate the severity of the lead dust impacts on the Site, to formulate a strategic lead dust removal work plan, and develop a site-specific proposal for the proper remediation of lead dust within all Site internal space. The following remediation contractors attended the open house/preliminary bid meeting:

- Precision Environmental
- American Abatement
- Environmental Management Specialists
- Hazardous Waste Experts

Following the inspection activities by the contractors, American Abatement elected to not provide a cost proposal due to the size and complexity of the project.

Table 4, below, summarizes the cost estimates provided by Precision Environmental, and Environmental Management Specialists, and Hazardous Wastes Experts, respectively.

Appendix E includes the remediation contractors' cost estimate proposals and information concerning their qualifications.

Table 4: Summary of Contractor Cost Estimates: Site Remediation (Lead Contaminated Dust)

Contractor	Fee	Schedule	Comments
Precision Environmental	$413,050	3.25 Months	Cleaning all dust impacted surfaces (floors, walls, columns, framing), removing carpeting and ceiling tiles from office. Bulk dust vacuum of impacted surfaces and then steam clean rinse.
Environmental Management Specialists	$170,000[2]	1 Month	Cleaning all dust impacted surfaces (floors, walls, columns, and framing) with high pressure vac, removing carpeting and ceiling tiles from office. No water/steam cleaning or rinsing proposed.
Hazardous Waste Experts	$103,000	16-days	Cleaning all dust impacted surfaces (floors, walls, columns, framing) with high volume vacuum. Wipe down of all hard surface and ceiling tiles from office. No water/steam cleaning proposed.

The overall e-waste removal and Site remediation will likely require compliance with applicable RCRA closure requirements. In general, closure under RCRA will include the following tasks: 1) an evaluation in the defined on-Site Solid Waste Management Units, 2) an internal/external lead dust confirmatory sampling post remediation, 3) a groundwater evaluation, 4) a soil evaluation, and 5) an applicable standards evaluation, post impact delineation, data collection and data evaluation.

6.0 RECOMMENDATIONS FOR SELECT CONTRACTORS

Based on the project due diligence, contractor qualifications, and estimating services completed to-date, Atwell recommends the following:

1. Atwell currently recommends Novotec Recycling as the preferred contractor for the e-waste removal, recycling, and disposal activities. This recommendation is based on their industry knowledge, cost estimate, proposed schedule, and close proximity to the Site.

2. Atwell currently recommends Precision Environmental as the preferred remediation contractor. This recommendation is based on their site-specific scope work and the remediation methods they plan to execute.

[2] The Environmental Management Specialists proposal in Appendix F reflects a bid for $97,820. This bid was adjusted upwards for purposes of this cost summary to account for hazardous waste disposal costs, as other bids accounted for these costs.

Based on these recommendations, Atwell anticipates the overall project costs to be as follows:

Novotec Recycling	E-waste Removal, Recycling, Disposal	$12,476,611
Precision Environmental	Site Remediation	$413,050
Atwell	E-waste Ownership Research and Reporting, Remediation Design, Contractor Procurement, Bid Processing	$94,922[3]
	E-waste Removal/Remediation Oversight, Project Management, Environmental Compliance	$1,179,700
	Estimated Project Total:	**$14,164,283**[4]

7.0 DISCLAIMER

Atwell has provided the services described above in a manner consistent with the level of care and skill ordinarily exercised by members of the profession who perform similar environmental services under similar conditions. Atwell shall not be responsible for conditions or consequences arising from relevant information that was concealed or not fully disclosed. Atwell's opinions and recommendations are based solely on information derived from the field observations and contractor evaluations completed to-date.

We are excited about the opportunity to work with you on this project, and we appreciate the opportunity to present this Summary Report. If you have any questions or comments, or if we can be of further assistance during your review process, please contact us at (440) 349-2000.

This report submitted by:

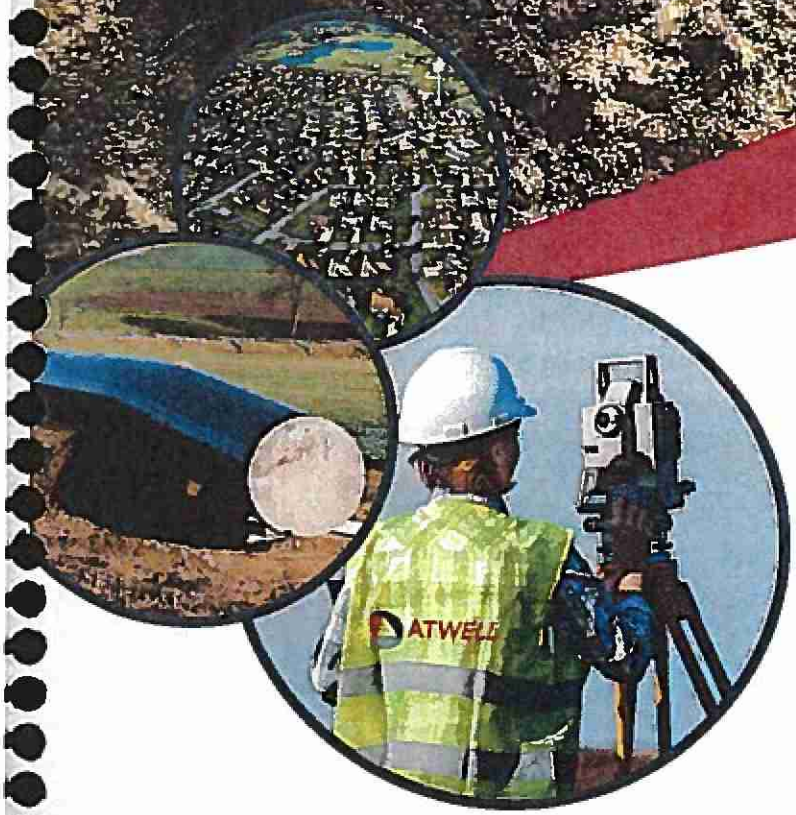
Thomas Leigh
Project Manager

Michael J. Koenig
Team Leader

3 Atwell costs accrued to date in the research, development of removal/remediation cost, project management and project tasks implementation
4 Project costs will vary significantly based on, among other things, material quantities, the availability of previously-identified disposal/recycling outlets, fuel costs, the extent of Ohio EPA's oversight over RCRA closure of the site, and other contingencies

APPENDIX A

Atwell Qualifications, Michael Koenig *Curriculum Vitae*, Atwell Project to Date Costs, and Atwell Scope of Work/Cost Estimate



ATWELL

STATEMENT OF QUALIFICATIONS

CONSULTING. ENGINEERING. CONSTRUCTION.

FIRM OVERVIEW

WHY ATWELL?

- Local knowledge with national reach
- Specialized teams by market, region and service
- Passionate, energetic professionals driven by project success
- Engaged senior management
- Adaptive structure built for clients' changing needs
- Single project manager with access to full-service solutions

Atwell is a bold leader in the consulting, engineering, and construction industry. We serve five core markets, offer ten main services, and deliver countless solutions to our clients.

Our teams combine to offer efficient, creative, and profitable solutions for your projects and operations. We are organized for your success, working seamlessly across departments and locations to deliver what you need to where you need it, all from one trusted source.

We are a business of passionate people. For every project, we instinctively manage critical issues like quality, safety, and technical results. But it may surprise you to know how well we get to know you and your vision – and how we boldly advocate for your success.

When our teams work together on your behalf, remarkable things begin to happen. No matter what the project, Atwell delivers complete service with complete confidence.

REAL ESTATE & LAND DEVELOPMENT

Residential · Commercial · Community

OIL & GAS

Exploration & Production · Pipelines & Facilities · Logistics & Storage

POWER & ENERGY

Power Generation · Power Delivery

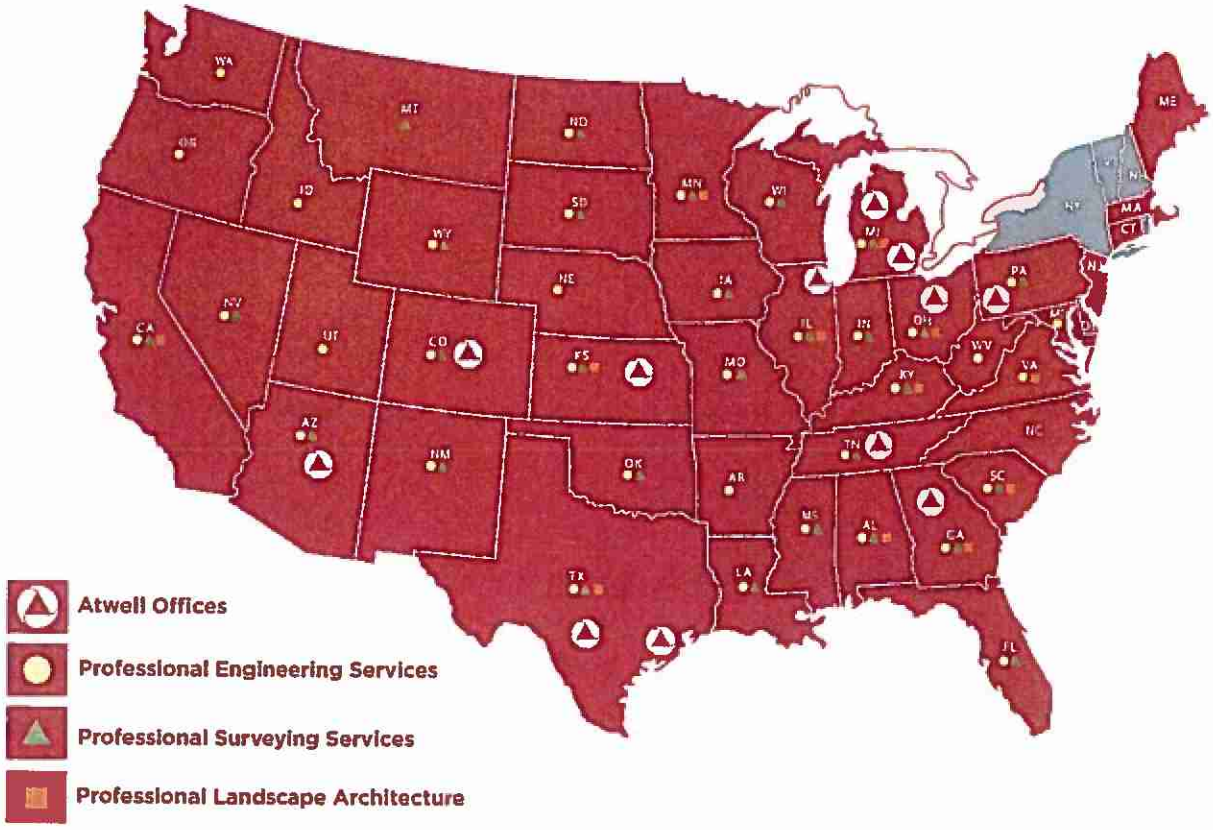
MINING & METALS

Greenfield & Restarts · Processing Facilities · Maintenance Programs

INDUSTRIAL & MANUFACTURING

Processing Facilities · Warehouse & Logistics · Automotive

OFFICES, LICENSING & REGISTRATION



MESA, ARIZONA
4700 East Southern Avenue
Mesa, Arizona 85206

DENVER, COLORADO
143 Union Boulevard, Suite 700
Lakewood, Colorado 80228

ATLANTA, GEORGIA
1800 Parkway Place, Suite 700
Marietta, Georgia 30067

NAPERVILLE, ILLINOIS
1245 East Diehl Road, Suite 100
Naperville, Illinois 60563

LENEXA, KANSAS
15500 College Boulevard
Lenexa, Kansas 66219

SOUTHFIELD, MICHIGAN (HQ)
Two Towne Square, Suite 700
Southfield, Michigan 48076

ANN ARBOR, MICHIGAN
311 North Main Street
Ann Arbor, Michigan 48104

CADILLAC, MICHIGAN
7192 East 34 Road, Suite 4
Cadillac, Michigan 49601

CLEVELAND, OHIO
7100 East Pleasant Valley Road, Suite 220
Independence, Ohio 44131

PITTSBURGH, PENNSYLVANIA
6000 Town Center Way, Suite 165
Canonsburg, Pennsylvania 15317

CLEVELAND, TENNESSEE
4160 North Ocoee Street, Suite 8
Cleveland, TN 37312

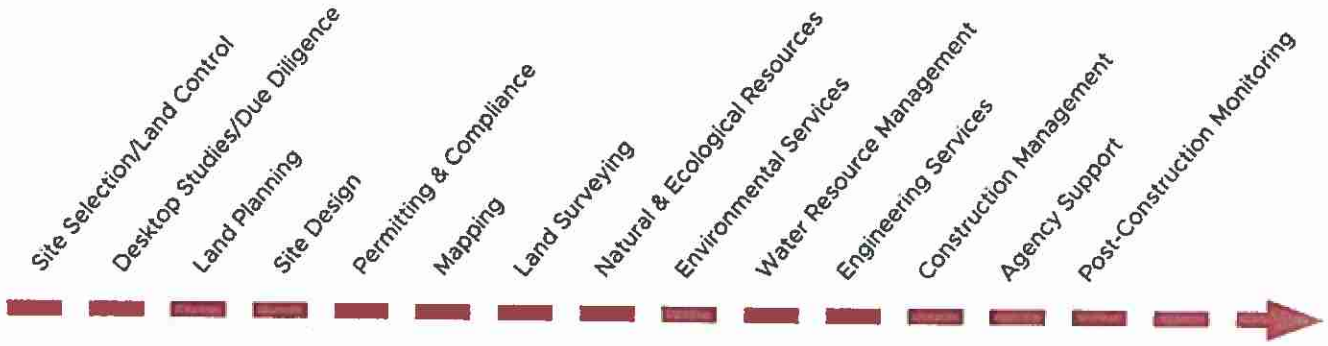
HOUSTON, TEXAS
820 Gessner Drive, Suite 1140
Houston, Texas 77024

SAN ANTONIO, TEXAS
10101 Reunion Place, Suite 350
San Antonio, Texas 78216

866.850.4200 www.atwell-group.com

ATWELL

THE ATWELL DIFFERENCE



TURNKEY APPROACH

Atwell offers specialty planning capabilities combined with aggressive land development and entitlement services to provide clients a seamless transition from concept to construction. This turnkey approach and collaborative effort allows Atwell to maximize project value and minimize development timelines via customized design solutions that are technically sound and financially feasible to construct.

FULL-SERVICE CONSULTING

Atwell offers due diligence, land planning and design, engineering, land surveying, environmental consulting, ecological and cultural resource services, water resource solutions, construction management, and other niche services through a single project manager – shortening timelines, minimizing coordination effort, and maximizing your return on investment.

TOTAL QUALITY MANAGEMENT

Atwell's Quality Assurance Program provides maximized returns through the development process and a consistent, scalable design approach and philosophy. A thorough project review by Atwell's team of experts proactively addresses areas that add project value and minimize costs to maximize your return on investment.

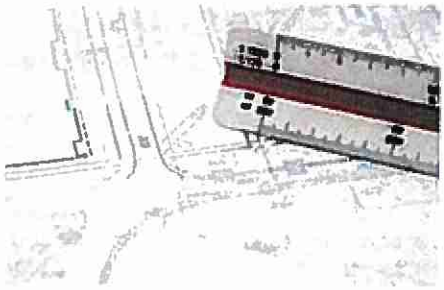
MARKET SECTOR APPROACH

Atwell organizes its design teams into market sectors as opposed to service groups by technical discipline. As such, Atwell can divide and conquer your most complex projects with staff fully educated on your specific industry, relevant market trends, and product type.

NATIONAL REACH COUPLED WITH PROGRAM MANAGEMENT SERVICES

Atwell offers access to a national Power & Energy development consulting platform via 16 offices throughout the United States. Atwell dedicates teams of specialists to the evolving needs of the Renewable Energy, Electric Transmission, and Oil & Gas Pipeline markets. Comprised of engineers, planners, land surveyors, environmental specialists and other niche professionals, these teams are fully educated on the energy market and its service needs. Via a single point-of-contact, clients receive the benefits of numerous teams throughout the organization providing local knowledge and support, as well as program-level consistency and standards.

CIVIL ENGINEERING SERVICES

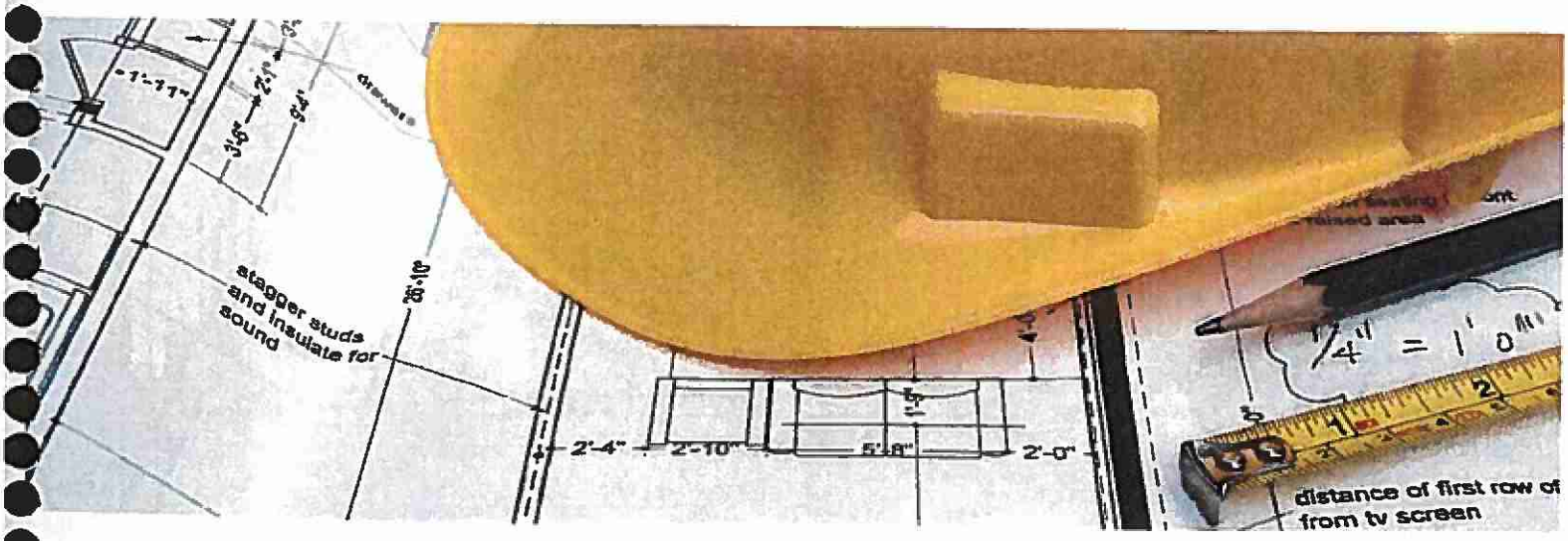


FROM PLANNING TO PERMITS

Atwell's civil engineering services are the technical foundation of successful construction projects. In addition to the traditional engineering activities, today's projects demand professionals who can successfully navigate critical regulatory constraints, functional demands, and environmental concerns. Our specialized teams strive to balance these forces through sound design, aggressive project management, and continual stakeholder engagement.

CAPABILITIES

- Due Diligence & Site Research
- Site Layout & Preliminary Engineering Design
- Annexation & Zoning Strategies
- Easement Acquisition
- Cost Estimating
- Site Construction Plans
- Drainage & Stormwater Management System, Design & Permitting
- Roadway & Pavement Design
- Wastewater Collection System Design
- Floodplain Analysis, Permitting & Mitigation
- FEMA Map Amendments
- Subdivision & Site Condominium Documents
- Hydrology Design
- Utility Design
- Earthwork Analysis
- Value Engineering
- Permitting Strategy



CONSTRUCTION SERVICES

WORLD-CLASS INDUSTRIAL CONTRACTORS

Primarily focused on building industrial projects, Atwell's construction division, Strategic Construction Solutions (SCS), supports the development, construction, management and maintenance of ferrous and non-ferrous mineral pursuits; processing and manufacturing facilities; and infrastructure supporting the power generation, transmission, and oil and gas markets.

Knowing the challenges that can accompany these often complex and fast-paced projects, we are committed to three basic principles: safety, quality, and results. Our leadership team focuses on the constructability, efficiency and functionality of each project it builds, protecting our clients' investments, commitments and reputations.

CAPABILITIES

Delivery Methods

- General Contracting
- Design/Build
- Construction Management
- Engineer, Procure, Construct (EPC)
- Project Contractor

Self-Perform

- Structural Steel Erection & Fabrication
- Pipe Fitting & Welding
- Equipment & Conveyor Assembly
- HDPE Pipelines
- TIG, MIG & ARC Welding
- Mechanical
- Concrete
- Electrical, Instrumentation & Automation
- Metal Buildings
- Site Logistics
- Post-Construction Support
- General Contracting
- Design/Build

CULTURAL RESOURCE SERVICES

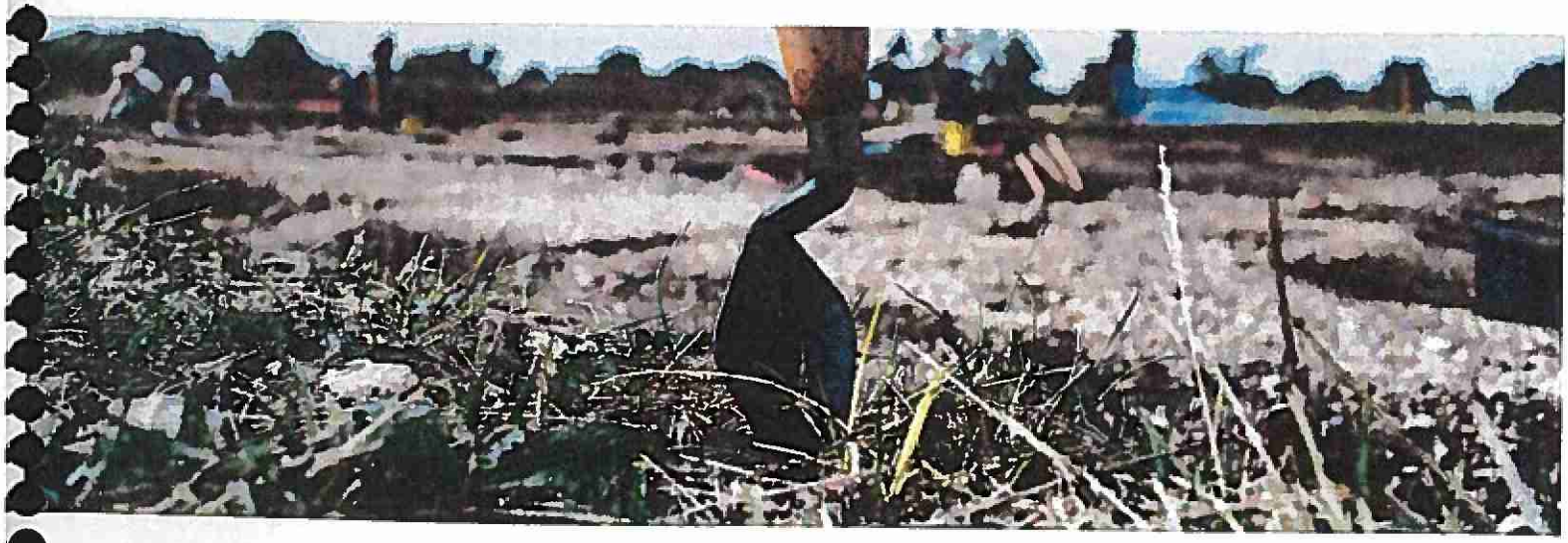
PROACTIVE KNOWLEDGE PROTECTS HERITAGE

Even the greenest of fields can hold historical significance. Atwell encourages clients to conduct basic cultural resource audits on development projects to ensure there are no unforeseen impacts or surprises during construction. For sites known or speculated to contain cultural or historical features, our team of archaeologists, cultural resource management specialists and field staff employ GIS services, ground-penetrating radar and mapping technology to anticipate and inventory site features of concern.

Our team regularly coordinates with State Historic Prevention Offices (SHPO), local stakeholders and community groups to protect regional and national artifacts – and your business interests.

CAPABILITIES

- Archaeological, Architectural & Historic Landscape Surveys & Evaluations
  - Class I Literature, Site Files & Desktop Reviews
  - Class II & III Cultural Resource Surveys
  - Excavations
  - Prehistoric Artifact Analysis
- Artifact Analysis
- Historic Preservation
- Management Plans
- Research Design & Work Plans
- Data Recovery & Excavation of Archaeological Sites
- Conditions & Historic Property Assessments
- Permitting & Compliance (Federal, State, Local & Tribal Stakeholders)
- Mitigation Plans
- Archaeological Construction Monitoring



NATURAL RESOURCES SERVICES

AGGRESSIVE STRATEGIES FOR COLLECTIVE SUCCESS

From site selection through post-construction compliance, Atwell's ecologists and biologists pursue your project objectives. They work alongside engineers and contractors to alert you to potential environmental disturbances and their impact on project feasibility, scope, and schedule. Aggressive design, permitting, and mitigation strategies are employed to maximize land use and minimize threats to regional species, watersheds, and ecosystems.

CAPABILITIES

- Wetland & Water Quality Services
  - Wetland Delineation and Assessments
  - Pond, Lake, and Stream Assessments
  - Mitigation, Design, and Monitoring
- Wildlife Assessments and Management
  - Threatened and Endangered Species Surveys
  - Comprehensive Avian and Bat Services
    - Migration and Use Surveys
    - Mist Net and Acoustic Surveys
    - Post Construction Mortality Monitoring
  - Aquatic Surveys
  - Mitigation, Design, and Monitoring
  - Management Documents:
    - BBCS, ECP, HCP, Eagle Management Plans
- Vegetation Sampling and Surveys
  - Tree and Forest Surveys
  - FQI, VIBI, Qualities, and Quantities Assessments
  - Mitigation, Design, and Monitoring
  - Management Documents
- GIS and Mapping
- Regulatory Coordination, Compliance, and Permitting
  - Federal Compliance and Permitting
    - NEPA, FERC, USFWS, USACE, EPA
  - State and Local Consultation and Permitting
    - CEQA, EPA, DNR, DEQ

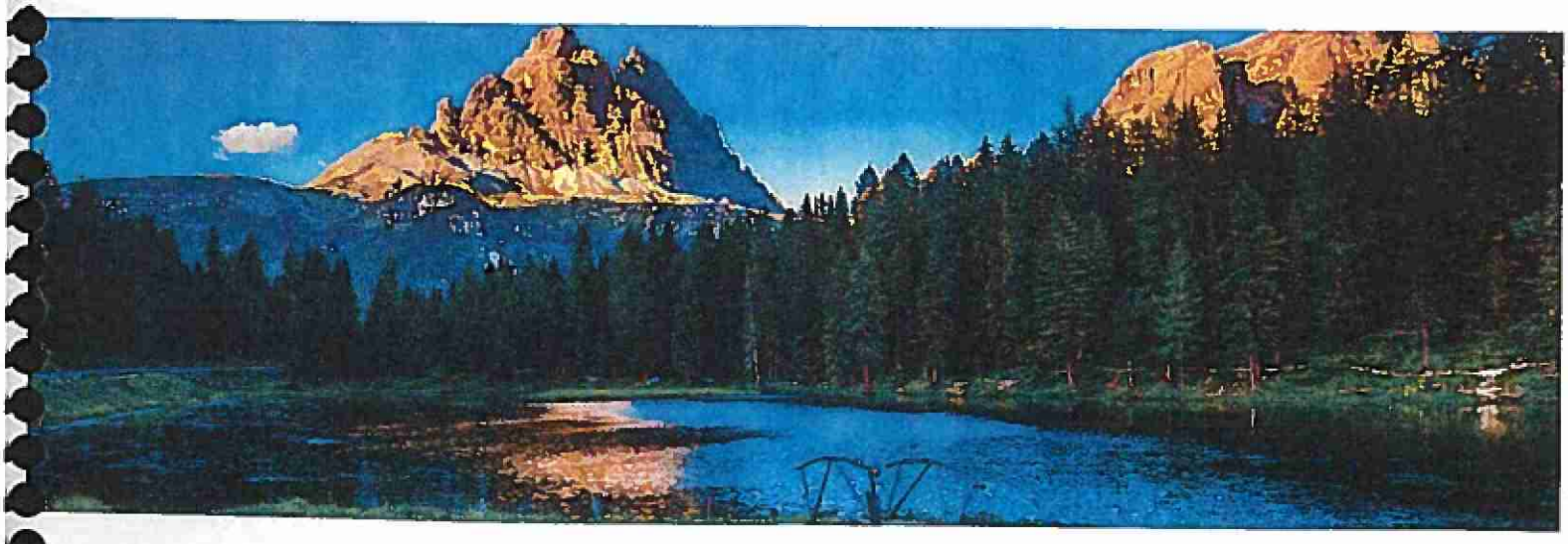
ECOLOGICAL SERVICES

AGGRESSIVE STRATEGIES FOR COLLECTIVE SUCCESS

From site selection through post-construction compliance, Atwell's ecologists and biologists pursue your project objectives. They work alongside engineers and contractors to alert you to potential environmental disturbances and their impact on project feasibility, scope and schedule. Aggressive design, permitting and mitigation strategies are employed to maximize land use and minimize threats to regional species, watersheds and ecosystems.

CAPABILITIES

- Wetland Services
- Threatened & Endangered Species Surveys
- Flora & Fauna Habitat Assessments & Management
- Aquatic Ecosystem Assessments & Management
- Natural Resources Assessment & Restoration Assistance
- Wildlife & Avian Hazard Assessments & Mitigation
- Violation Assistance & Expert Witness Testimony
- CEQA, NEPA
- Permitting
- Mitigation & Monitoring
- Management Plans
- Regulatory Consultations



ENVIRONMENTAL SERVICES

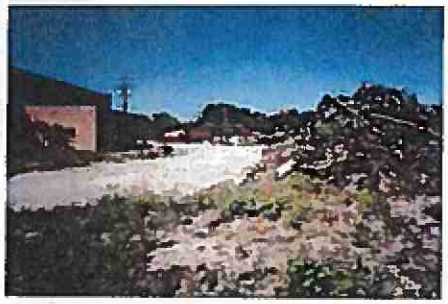
ELEVATING ENVIRONMENTAL EXPERTISE

To help you successfully comply with local, state, and federal regulations that affect your real estate interests, our environmental engineers, geologists, hydrogeologists, and regulatory specialists offer a diverse range of services and technical expertise to meet any environmental challenge. Our teams provide a variety of soil, water, and air assessments for transactional real estate requirements, as well as environmentally challenged properties and facilities. Whether your interests involve real estate transaction support, facility compliance audits, environmental cleanup, site remediation, or brownfield revitalization and redevelopment, we have the tools and environmental expertise to get the job done.

CAPABILITIES

- Environmental Site Assessments (Phase I & Phase II)
- Risk-based No Further Remediation (NFR) Determinations
- Brownfield Redevelopment/Financial Incentives Assessment
- Underground Storage Tanks (UST) Removal and Closure
- Property Condition Assessments
- Hydrogeological Studies
- Soil Management Plans
- Asbestos, Lead-based Paint, Indoor Air Quality, and Mold Programs
- Soil and Hazardous Waste Identification/Management
- Sub-surface Geophysical Investigations
- Potentially Responsible Party Assistance
- Third-Party Review & Evaluation
- Soil & Groundwater Remediation
- Permitting & Compliance Assistance
- Strategic Project Planning & Device
- Health & Safety Plans
- Expert Witness Testimony
- Storm Water Management
- Remedial Investigation/Feasibility Studies
- Transaction Screens
- Remedial System Construction and System Operation and Maintenance
- SPCC Plans
- Waste Minimization
- RCRA Permitting and Facility Investigations
- Risk Management/Risk Assessments
- Facility Compliance Audits
- Air Permitting and Title V
- Air Quality Monitoring

SITE REMEDIATION & DEVELOPMENT SERVICES



DATA TO DRIVE DECISIONS

Environmental modeling and analysis are necessary to help clients understand remediation risk and cost for new developments, as well as how to avoid and manage contamination risk during construction or operation. Atwell's geologists and specialists provide complete remediation solutions, as well as financial and technical models for infill and redevelopment opportunities.

CAPABILITIES

- Risk-based No Further Remediation (NFR) Determinations
- Underground Storage Tanks (UST) Removal & Closure
- Hydrogeological Studies
- Soil Management Plans
- Soil & Groundwater Remediation Services
- Geophysical Investigations
- Remedial Investigation/Feasibility Studies
- Remedial System Design & Construction
- Remedial System Operation & Maintenance
- Risk Assessments
- Vadose Zone & Groundwater Modeling
- Brownfield & Infill Redevelopment
- Financial Incentives Assessment

LAND SURVEYING SERVICES

WHERE SCIENCE MEETS STRATEGY

The tools and technology continue to evolve, but the science of land surveying remains a consistent feature of development, construction and maintenance. And the equipment is only as effective and reliable as the professionals operating it. That's why Atwell is proud to provide clients with experienced, proven land surveyors, project managers and technical teams that take a practical, functional approach to solving client needs through accurate and timely research, data and documentation.

CAPABILITIES

- Land Boundary Survey
- ALTA/NSPS Land Title Survey
- 3D Machine Countrol
- Control Survey, Control Networks
- Planimetric Surveys
- Land Division/Final Subdivision Plats
- Maps/Exhibit & Condominium Documentation
- Easement Exhibits for Acquisition or Dedication
- High-Resolution Laser Scanning
- Topographic & Hydrographic Survey
- Underground Utility Layout
- Monitoring Well Survey, Landfill Capping, Volumetric Surveying & Closure As-Builts
- Lot-Fit Studies
- FEMA Elevations/Flood Plain Certificates
- Corridor Surveys
- Industrial Plant Surveying, Control, Baseline Establishment
- Rail Surveying
- Easement Acquisitions
- Construction Staking/Proposed Improvements Layout

LAND PLANNING SERVICES

COLLABORATIVE SOLUTIONS

Atwell's approach to achieving project development goals relies on a collaborative, creative, and constructive planning process. Land planning professionals thoughtfully develop strategy to approach site or project objectives, accomplish maximum property yields, and create value for future project phases. Through this process, we pursue consensus between developers, communities, and key stakeholders, reducing friction and obstacles during project permitting and entitlement activities.

CAPABILITIES

- Site Planning
- Ordinance Review & Project Entitlement Strategies
- Purchase Agreement (PA) Negotiation
- Comprehensive Land Use Planning & Analysis & Amendments
- Area Land Planning
- Property Due Diligence Investigations
- Site Investigation Reports (SIR)
- Natural Features/Site Analysis
- Feasibility Studies & Analysis
- Conceptual Land Planning & Design
- Yield Planning/Calculation
- Economic Viability Analysis
- ProForma Development & Analysis
- Site Design & Use Planning
- Charrette Services
- Graphic Design/Renderings
- Land Policy/Ordinance Creation Research and/or Analysis
- Entitlements

LANDSCAPE ARCHITECTURE SERVICES

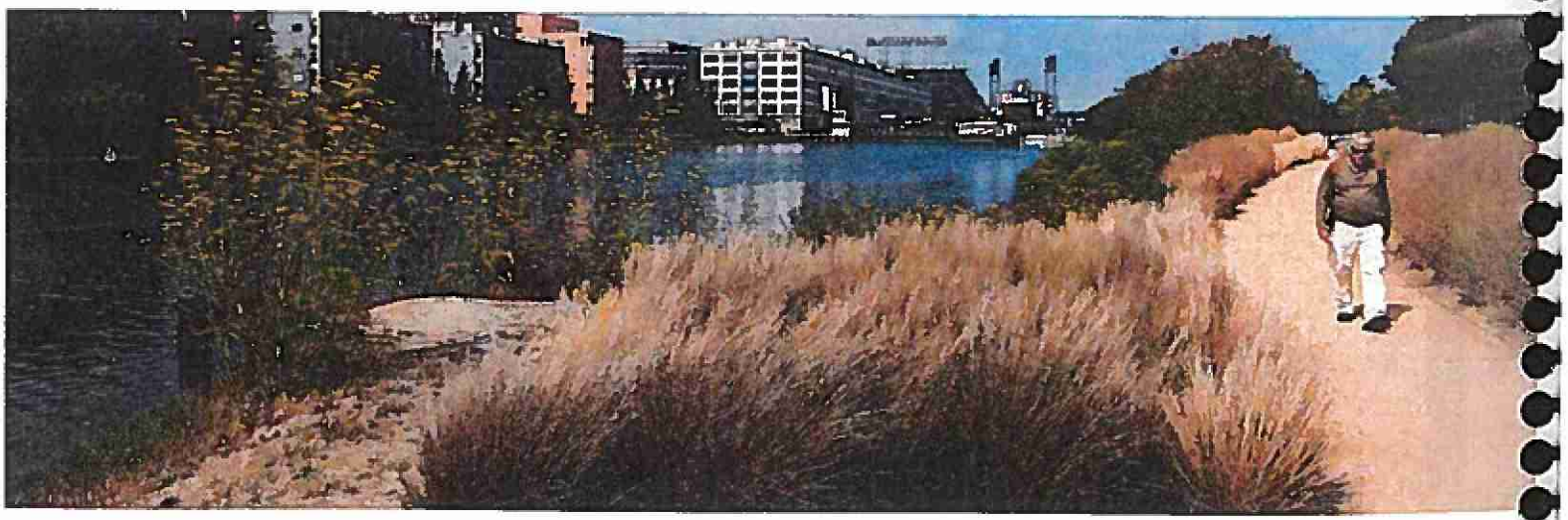
BUILDING BEYOND THE BRICKS

Innovative and creative landscape architecture enhances the appeal and marketability of commercial and residential development. Atwell's landscape architects employ an interactive approach to landscape architecture through a four-step design process – visualization, customization, integration and implementation.

This process is essential to developing strong designs that address socio-behavioral, environmental and aesthetic preferences and provide an attractive, functional, and sustainable product. Our professionals capture your vision in their designs by combining concept drawings, sketches, images and materials in a collaborative environment.

CAPABILITIES

- Site Analysis
- Natural Features Analysis & Site Planning
- Tree Survey/Condition Assessments
- Design Idea Generation/Conceptual Plant Missing Plans
- Preliminary & Final Landscape Designs
- Landscape Maintenance Planning
- Specification Standards
- Ordinance Compliance Calculations
- Hardscape Design & Detailing
- Streetscape Design
- Recreation Facilities Planning & Design
- Irrigation Design
- Sustainable/Low-Impact Design
- Presentation Graphics & Renderings



LAND & RIGHT-OF-WAY SERVICES

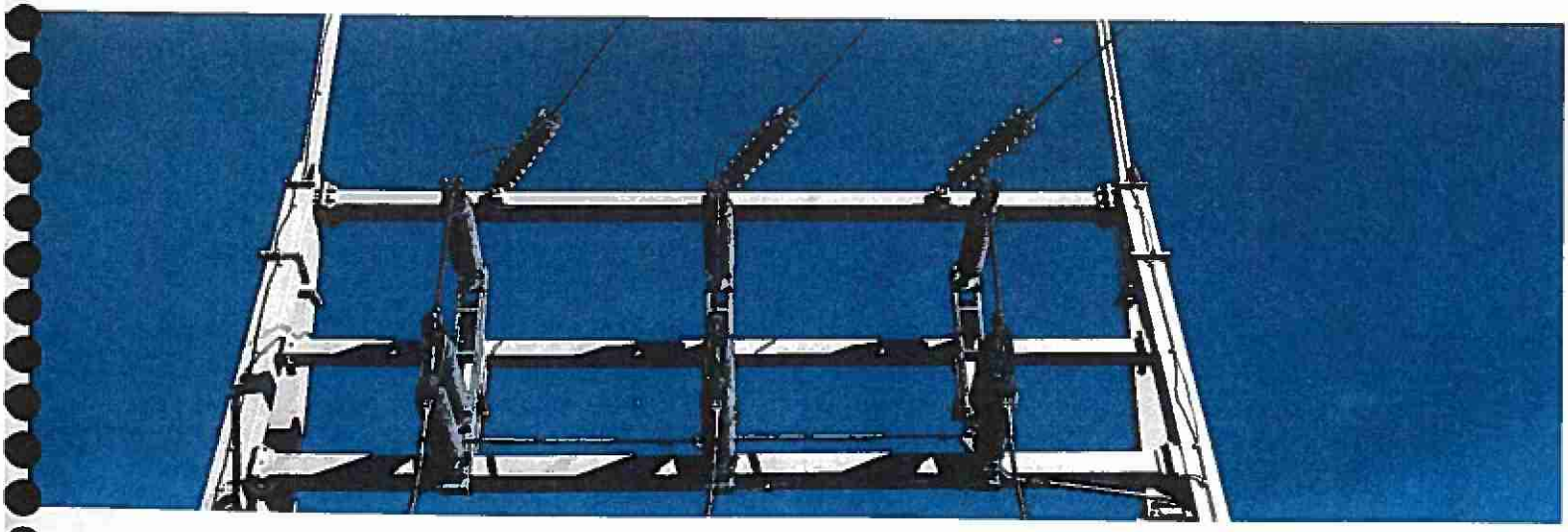
IT ALL STARTS HERE

Even the most preliminary project surveys and studies often require access to potentially involved or impacted property. As a project evolves, permanent right-of-way or acquisition negotiations with land owners become a critical activity. Professionals from Atwell support the selection, negotiation and acquisition process for clients through a network of national land agents, specialized in-house project managers and legal professionals focused on quality data delivery, land owner engagement and timely project execution.

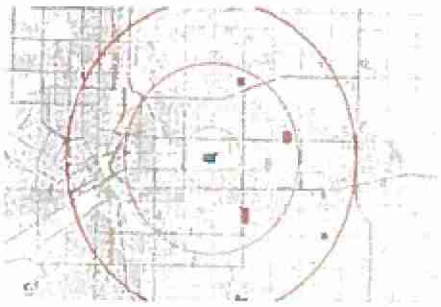
The combination of proprietary GIS mapping technology services and experience throughout North America makes Atwell the ideal partner for clients seeking energetic, experienced representation on their next project.

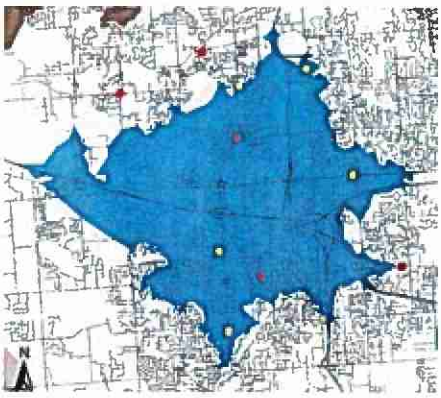
CAPABILITIES

- Site Selection
- FEED Studies
- Title Services
- Field Representation
- Project Management
- Prospecting/Desktop Studies
- GIS Mapping
- Landowner Database Creation & Management
- Community & Stakeholder Presentations/Education
- Land Leasing
- Mineral Right Acquisition
- Right-of-Way Acquisition
- Right-of-Entry Acquisition
- Fee Simple Acquisition
- Abstracting & Lease Take-Offs
- 40-Year Chains of Title
- Document Preparation
- Curative Title



GIS & MAPPING SERVICES





VISUALIZING VALUE

Today, more than ever, real estate and development professionals need timely and targeted information to formulate and evolve their development and management strategies.

The use of Geospatial Information Systems (GIS) compiles data so it can be viewed and interpreted to reveal relationships and trends. It can also combine traditionally fragmented data into an integrated asset management solution.

Atwell offers a dedicated GIS consulting, analysis and mapping team that supports our clients involved in the development of large land parcels, multiple locations or the ongoing management of property portfolios.

CAPABILITIES

Data Modeling & Analysis

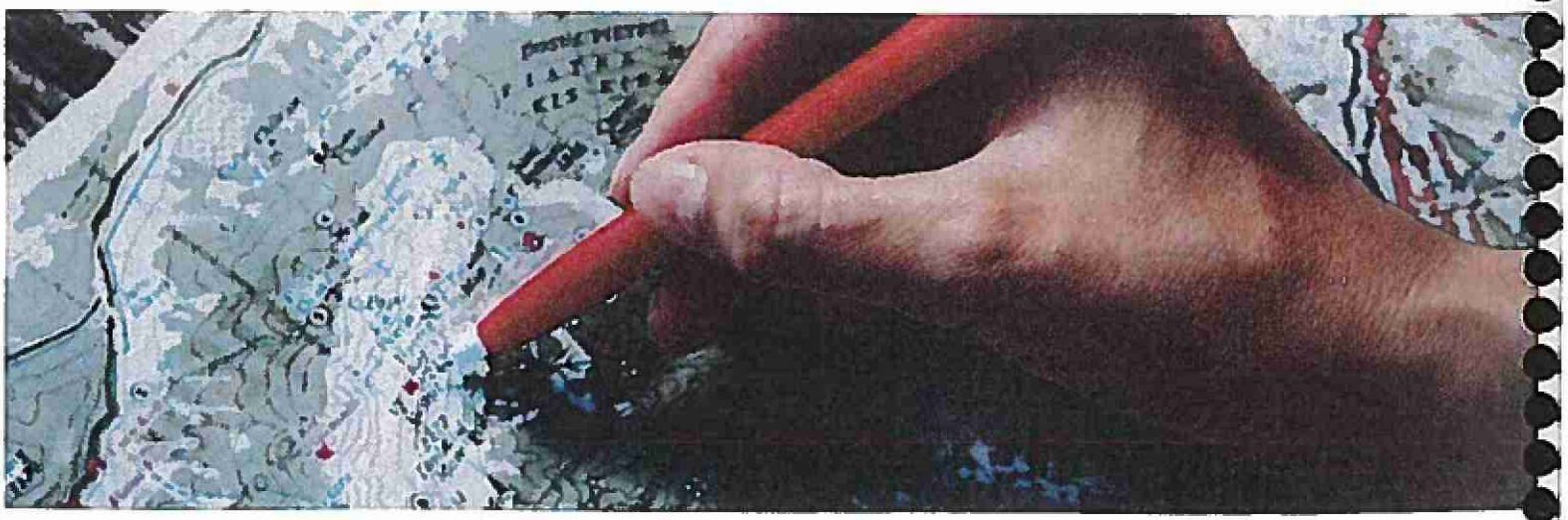
- Site Suitability & Constraint Modeling
- Market Analysis
- Site Selection
- Developable Land Analysis
- Land Use Analysis/Planning

Asset Management

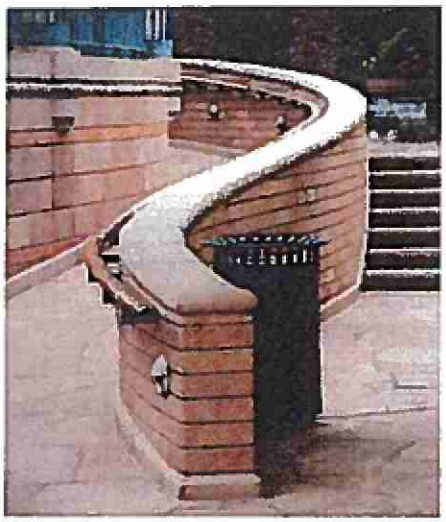
- Site & Property Management
- Utility Location & Management
- Real Estate Portfolios
- Infrastructure & Energy Systems
- Custom Asset Management Systems
- Land Acquisition & Right-of-Way Process Management

Project Management Services

- GIS Consulting & Support
- Presentation Materials for Agency Reviews & Permits
- GIS Data Integration
- GIS Application Development
- Data Conversion & Migration
- Data Management & Mapping Solution (PIVIT ™)



PROJECT MANAGEMENT SERVICES



Property Condition Assessments (PCAs) are classified as engineering due diligence projects associated with commercial real estate, though engineering work is not part of the assessment and is excluded in the scope of the assessment. Often, they are completed as part of a property transfer, along with a Phase I Environmental Site Assessment. They are done in both equity and debt markets.

In equity markets, these reports primarily have value to the purchaser in that they can understand the issues and the potential costs associated with owning a property. The Property Condition Report (PCR) would be used in these cases to negotiate the purchase price as it reveals all physical repairs that a property may require—routing maintenance, normal operational maintenance, miscellaneous minor repairs, etc. These reports tend to be very detailed and may require a number of specialists to evaluate the various building systems (e.g. HVAC, elevators).

In debt markets, the reports have the value of letting the lender know that the borrower will likely have sufficient cash flow to operate, maintain, and update the property over the course of the loan. This provides some assurance to the lender that the loan will be repaid or, in the worst case, the property will not decline in value in the situation they have to sell it to recoup their loan amount.

SCOPE

- Site Assessment
- Interviews

BUILDING SYSTEMS EVALUATION

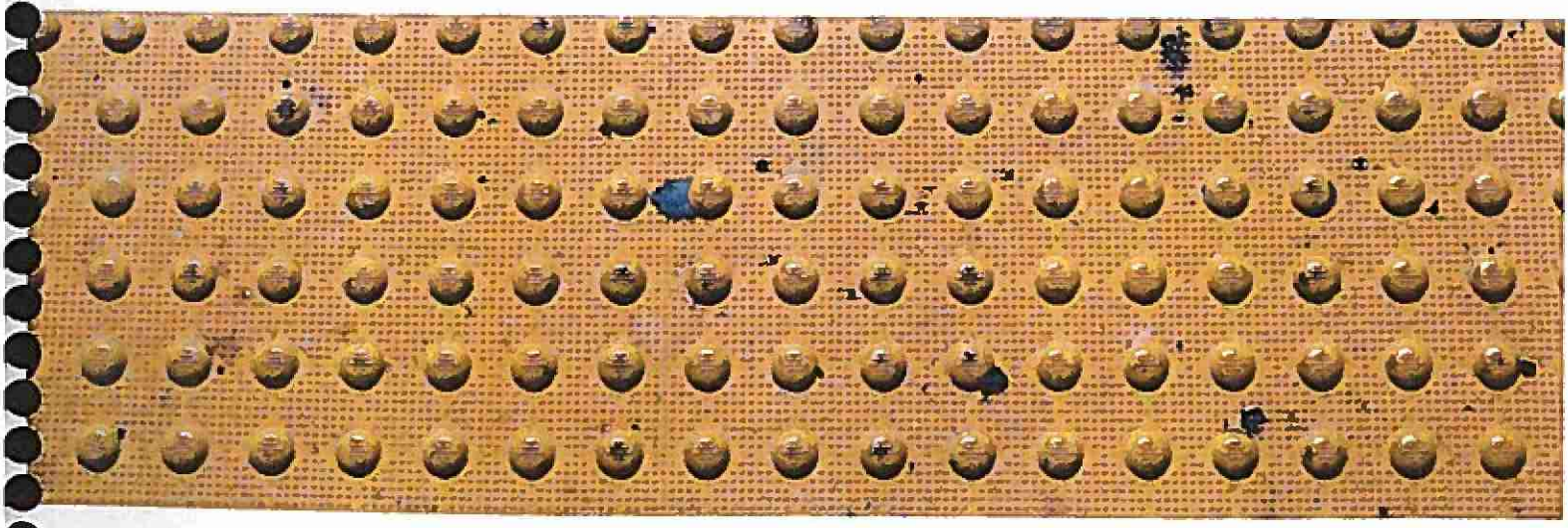
- HVAC Systems
- Elevators
- Plumbing
- Boilers
- Electrical
- Fire Suppression Systems

BUILDING EVALUATION

- Foundations
- Structure
- Roof
- Interior Finishes
- Building Envelope

SITE IMPROVEMENTS EVALUATION

- Pavement
- Drainage
- Signage
- Lighting



INDUSTRIAL COMPLIANCE SERVICES

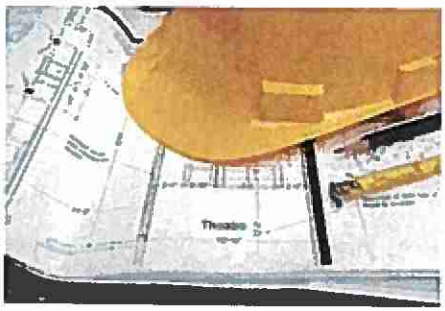
DATA TO DRIVE DECISIONS

Atwell's compliance specialists advise clients in the manufacturing, heavy industrial and power markets on proactive solutions to manage environmental compliance, permitting and health and safety programs.

CAPABILITIES

- Soil & Hazardous Waste Identification/Management
- Environmental Permitting, Compliance & Auditing Programs
- Environmental Health & Safety Consulting Services
- Industrial Storm Water Management
- SPCC Plans
- Waste Minimization
- RCRA Permitting & Facility Investigations
- Facility Compliance Audits

PROGRAM & CONSTRUCTION MANAGEMENT SERVICES



MORE VALUE, LESS LAYERS

Gain a more comprehensive understanding of project options and potential through the engagement of a construction manager. Atwell delivers continuity and efficiency to complex projects and programs by facilitating design, permitting and construction activities, while reducing time spent coordinating vendors, tasks and schedules.

Our construction managers become experts on your goals and preferences, acting as an extension of your in-house team and are able to add flexible resources on a per-project basis. For multi-site, large-scale or complex projects, this project delivery method efficiently increases consistency and communication for a superior and consistent product.

CAPABILITIES

- Project Scope Development
- Budget/Cost Control
- Feasibility & Due Diligence Services
- Design Professional (Architect/ Engineer) Selection
- Constructability Review
- Value Engineering Review
- Construction Phasing & Scheduling
- Client Representation
- Permitting Strategy & Guidance
- Bid Scopes for Individual Trade Disciplines
- Contract Negotiation & Execution Coordination
- Procurement & Material Sourcing
- Vendor & Subconsultant Management
- Site Logistics & Strategy
- Construction Monitoring & Evaluation
- QA/QC - All Trades
- Onsite Construction Management
- Commissioning
- Permanent Relocation/ Occupancy Assistance
- As-Built Surveys
- Closeout Procedures & Financial Surety Releases
- Project & Document Controls
- EPCM Delivery Method

PROJECT MANAGEMENT SERVICES

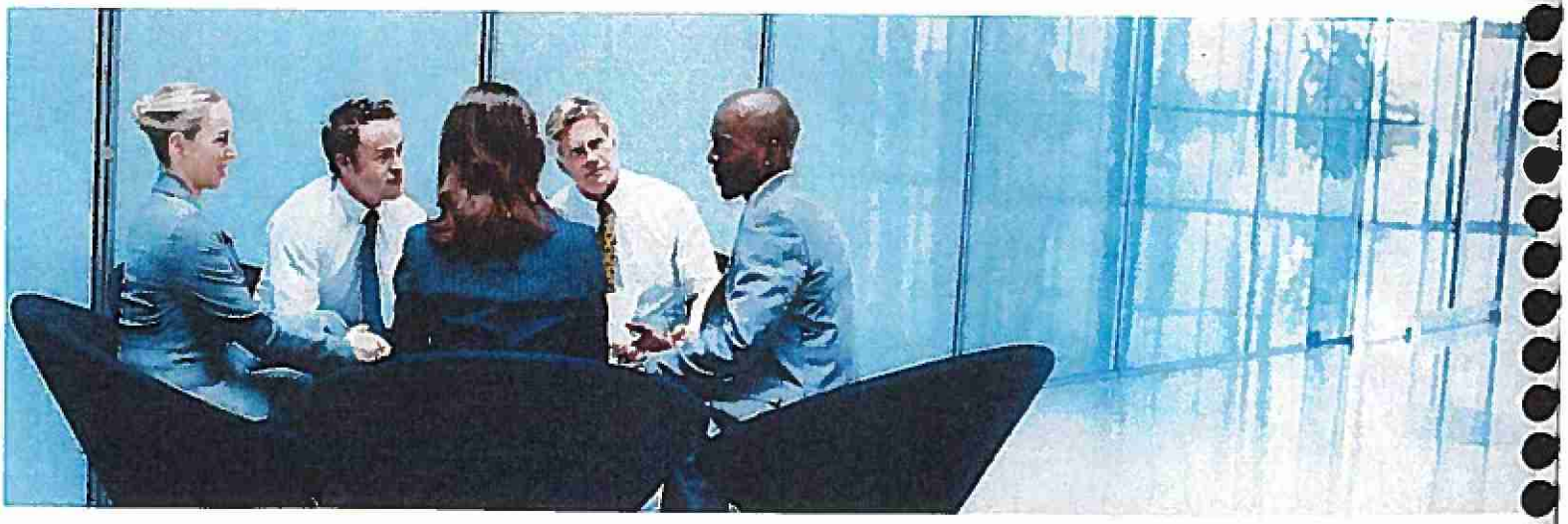
EXCEEDING EXPECTATIONS

Project management is an expected service, but how that management is defined and delivered can vary significantly. Clients of Atwell rely on our aggressive, proactive project management style, and our spirit of client advocacy and constant communication.

The singular job of our project managers is to deliver client solutions that address organization and individual needs. Managers have the freedom to leverage technical and corporate resources from across the organization to ensure timely, productive results.

CAPABILITIES

- Project Planning & Scope Development
- Project-Specific Execution Planning
- Communication Strategy
- Scheduling & Budgets
- Permit Strategy & Execution
- Cost Controls & Resource Allocation
- Quality Assurance Management
- Contract Administration
- Document Management
- Service & Subconsultant Coordination
- Project Delivery & Close-Out
- Client & Stakeholder Representation



Michael J. Koenig | Team Leader, Environmental Services

EDUCATION
Bachelor of Science
Geology
Kent State University
1996

WORK EXPERIENCE
EDP Consultants
Environmental Geologist
1997-2004

Atwell, LLC
Environmental Team Leader
2004 - Present

CERTIFICATIONS
Asbestos Building Inspector
Ohio (2001-2013)
Pennsylvania (2008-2013)

Asbestos Management Planner
Ohio (2001-2013)
Pennsylvania (2008-2013)

OSHA Hazwoper Training
29 CFR 1910.120(e)
1998 - Present

AFFILIATIONS
Building Environment Council of Ohio, Inc.

EXPERTISE
- Hazardous Substances & Environmental Site Assessments
- Remediation Design and Estimating
- Universal and E-Waste Evaluations and Remediation
- Air Quality Monitoring & Permitting
- Asbestos & Lead-Based Paint
- Brownfield Redevelopment
- Due Diligence/Feasibility
- Environmental Management Systems Development & Reporting
- Geophysical Investigations
- Groundwater Monitoring
- Health & Safety Plans
- Human Health Risk Assessments
- Hydrogeolic Studies
- Indoor Air Quality
- Landfill Assessments & Monitoring
- NEPA Reviews & Compliance
- Oversight of Remediation Activities
- Permitting & Compliance Assistance
- Phase I, Phase II & Phase III ESAs
- Public Outreach

Mr. Koenig has more than 19 years of experience in environmental consulting and currently manages daily operations with respect to project and client initiatives within the Atwell's environmental and natural resources groups. Mr. Koenig is responsible for managing environmental staff and operations in Atwell's Ohio, Pennsylvania, and Georgia offices. In addition to staff and project management, he is responsible for assisting clients in project definition, preparing work plan proposals and cost estimates, directing subcontractors, performing environmental investigations, performing remediation projects, interfacing with regulators and other project professionals, and the preparing/reviewing of project reports.

RECENT RELEVANT EXPERIENCE

Project Management & Team Leadership
Mr. Koenig's project/client management and team leadership experience includes all aspects of a project life cycle including: managing and directing a staff of environmental professionals, initial coordination and work scope development with the client to ensure all the client's needs are fulfilled in the most timely and cost effective manner, contract preparation and estimating, negotiations with regulators on behalf of the client, oversight of project execution, quality control, and financial management.

Environmental Assessment and Remediation Projects
Mr. Koenig manages projects ranging from environmental site assessments of small residential properties to large-scale industrial facilities including identification, evaluation, and remediation of various chemicals of concern such as petroleum hydrocarbons, pesticides and herbicides, PCBs, chlorinated solvents, metals, universal hazardous wastes, E-wastes, asbestos, lead-based paint, etc.

Subsurface Investigation Projects
Mr. Koenig manages surface and subsurface evaluations involving soil, surface water, and groundwater investigations and remediation. Investigative activities including site inspections, the design and implementation of drilling programs, sampling plans, identification of chemicals of concern, appropriate analytical testing methods, and data interpretation. Also designs, manages and directs remediation projects involving excavation and disposal of contaminated soil and groundwater and the in-place treatment of subsurface COCs.

Commercial Retail
Mr. Koenig has provided and managed environmental services for numerous commercial retail clients including, but not limited to the following: Walmart, Target, Menards, Dollar General, Rite Aid, Aldi, Walgreens, Lowes, Giant Eagle, Sears/Kmart, JC Penny, Tim Horton's, and Goodwill. Mr. Koenig has coordinated the execution of Master Service Agreements with commercial retail clients, established protocols for work to be completed as part of roll-out programs, and managed the execution of work associated with large-scale roll-out programs.

Industrial Facilities
Mr. Koenig has provided and managed environmental services for numerous industrial clients and properties including, but not limited to the following: Nestle food processing facilities, Metaldyne automotive part manufacturing facilities/foundries, Vesco Oil and Ullman Oil bulk petroleum storage and distribution facilities, Bridgestone/Firestone facilities, Parker Hannifan, various landfill sites, machining and/or metal working facilities, trucking terminal/distribution facilities, and numerous manufacturing facilities. Services have included the management of site assessments, remediation activities, compliance, permitting, and/or reporting.

ATWELL

Michael J. Koenig | Team Leader, Environmental Services

- Regulatory Compliance/Permitting
- Remediation System Design
- Risk-Based Compliance Determinations
- Soil & Groundwater Remediation
- Soil, Vapor & Groundwater Sampling
- Solid & Hazardous Waste Identification/Management
- Stormwater Evaluation
- Technical Reporting
- UST Removal & Closure
- Vapor Encroachment Assessment
- Vapor & Groundwater Modeling
- Voluntary Cleanup Regulations & Policies

Power and Energy

Mr. Koenig has provided and managed environmental services for numerous power and energy clients (oil/gas, solar, wind) including, but not limited to the following: Consol, BP of North America, Tracker Resources, NextEra, Atlas Energy, Element Power, and National Renewable Energy Corp. Services have included the management of site assessments, remediation activities, compliance, permitting, and/or reporting.

Banking and Financial Institutions

Mr. Koenig has provided and managed environmental services for numerous banking and financial institution clients including, but not limited to the following: Key Bank, National City Bank, PNC Bank, Fifth Third Bank, First Place Bank, Huntingdon Bank, Northern Trust, First Federal Lakewood, Cooperative Business Services, and Charter One. Services have included the management of site assessments associated with lending due diligence and/or foreclosure, remediation evaluations and estimating, compliance evaluations, permitting, and/or reporting.

Underground Storage Tank (UST) Projects

Mr. Koenig manages projects ranging from single tank removals to the closure of multi-tank systems. Project sites and clients have included retail gas stations owners, automotive repair facilities, telecommunication sites, manufacturing facilities, and orphaned properties. Environmental services have include site assessment activities, project coordination, corrective action evaluations, groundwater monitoring, compliance, human health risk evaluations, remediation, regulator coordination, obtaining state approved No Further Action and or closure status, and obtaining State reimbursement funds for owner/operators.

Asbestos and Hazardous Waste Assessment Projects

Mr. Koenig manages projects ranging in size and scope from AHERA re-inspections for local school districts to large-scale demolition projects for multi-tenant commercial facilities or industrial facilities. Provides management and oversight for sampling, mapping the extent and condition of asbestos and hazardous substances, evaluating the potential for disturbance and exposure, assisting clients with obtaining abatement permits, pricing, oversight, and preparing or updating operation and maintenance programs.

ATWELL

ATWELL

May 3, 2017

Garrison Southfield Park, LLC
c/o Karl R. Heisler
Katten Muchin Rosenman LLP
1290 Avenue of the Americas, 9th Floor
New York, New York 10104

RE: Professional Consulting Services to date under the National Contingency Plan - Closed Loop Facility located at 1675 & 1655 Watkins Road, Columbus, Ohio.

Dear Mr. Heisler:

Per your request, Atwell, LLC (Atwell) has conducted an internal review for all professional consulting services to date which qualify under the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) in support of the ongoing investigation of the above referenced Closed Loop facility.

For the period of June 15, 2016 through May 3, 2017, Atwell has accrued a total of $94,922.82 in NCP compliant professional consulting fees in association with the Closed Loop facility investigation.

If you have any questions or comments, or if we can be of further assistance, please do not hesitate to contact us at (440) 349-2000.

Sincerely,
ATWELL, LLC

Tom Leigh
Project Manager

Michael Koenig
Team Leader

ATWELL

May 2, 2016

Garrison Southfield Park, LLC.
C/O Karl Heisler
1290 Avenue of the Americas, 9th Floor
New York, New York 10104

RE: Proposal Summary for Consulting Services Related to the Removal, Disposal & Remediation of E-Waste at the Former Closed Loop, Inc. Facility
1675 & 1655 Watkins Road
Columbus, Ohio

Dear Mr. Heisler:

Atwell, LLC is pleased to present this proposal summary for consulting services related to e-waste removal, disposal/recycling and remediation at the former Closed Loop facility located at 1675 and 1655 Watkins Road in Columbus, Ohio. Our attached proposal is based upon site visits of the former Closed Loop, Inc. facility, meetings with property owner representatives, a review of available records pertaining to Closed Loop's former operations and evaluations of site conditions, and conversations with legal counsel for Garrison Southfield Park, LLC (Garrison).

Please review the attached proposal summary. If you have any questions or would like further information, please contact us at (248) 447-2000.

Sincerely,
ATWELL, LLC

Thomas Leigh
Project Manager

Michael Koenig
Team Leader

1.0 INTRODUCTION

This scope of work and cost estimate has been prepared in response to a request from Karl Heisler, Katten et.al., counsel to Garrison Southfield Park, LLC., 1290 Avenue of the Americas, 9th Floor, New York, New York 10104 (hereafter referred to as "Client"). Atwell, LLC (hereafter referred to as "Atwell") has prepared this scope of work and cost estimate to perform a series of consulting tasks related to the removal of abandoned e-waste, transportation to a e-waste recycling facility(ies) and/or landfills, the remediation of the building's interior, and subsequent regulatory closure associated with the former Closed Loop, Inc. operations located at 1675 and 1655 Watkins Road, Columbus, Ohio (Subject site).

Based on our understanding of the environmental and regulatory challenges associated with the site, including the issuance of a Notice of Violation (NOV) to Closed Loop Refining and Recovery, Inc. on April 11, 2016 and potential nearby sensitive receptors to current site conditions, Atwell recommends the following Scope of Services.

2.0 PROPOSED SCOPE OF WORK

Atwell proposes to act as the Client and property owner's advocate throughout the process described in this proposal. In order to ensure the most efficient approach to the removal of the accumulated e-waste as well as subsequent remediation of the buildings and regulatory compliance for the site concerns, Atwell proposes to complete the following tasks.

Task 1 - **Initial Planning and Coordination:** Atwell will prepare a Project Plan for the oversight and monitoring of the work activities to be conducted at the Subject site. The Project Plan will include the necessary (and regulatory required) work plans, loading plans, monitoring plans, sampling plans, and quality assurance plans to implement the logistics, removal of e-wastes from the building, oversight, assessment, and remediation compliance.

Task 2 - **Project Administration and Advisory Services:** Atwell will provide project administration advisory services on behalf of the Client to assist with the loading, transportation, removal of the e-waste, and building remediation. This task will include planning and procurement phase services, contractor removal/remediation administration phase services, and close-out phase services.

Task 3 - **Environmental Consulting Services During E-Waste Removal:** Based upon the approved Project Plan, Atwell will work closely with the Client's selected contractor(s) to monitor and document environmental conditions (i.e., internal and external) during waste loading/removal activities and building remediation.

Task 4 - **Environmental Consulting Services for RCRA Closure and Building Remediation:** Following the removal of the abandoned e-waste from the buildings, Atwell will assist the Client to engage and confirm the services of a lead abatement contractor to remediate residual lead-contaminated dust within the buildings, and provide the necessary environmental consulting, closure sampling, and reporting activities to achieve a RCRA compliant closure.

3.0 FEES

Atwell will provide the environmental services described in this proposal on a Time & Material (T&M) basis. Sub-consultant charges, fees, commissions, mateials, supplies, and out of town travel expenses will be billed at cost plus 15%. All labor charges for the project will be billed in accordance with Atwell's 2017 Fee Schedule for Professional Services. Any project related work that is conducted in hazardous working conditions utilizing the need for Tyvex suits and respirators will have an additional surcharge of 15% added to the hourly rates. A Budgetary T&M Estimate for each Task is presented in **Table 1**.

Table 1: Project Costs

Task Summary (Budgetary Time & Materials Estimates)	
Task 1 – Initial Planning and Coordination	
Atwell labor and services	$70,000
Task 2 – Project Administration and Advisory Services	
Atwell labor and services	$121,600
Atwell travel costs and per diem at government rates	$11,400
Task 3 - Environmental Consulting Services During E-Waste Removal	
Atwell labor and services	$490,200
Atwell travel costs and per diem at government rates	$57,000
Task 4 – Environmental Consulting Services for RCRA Closure and Building Remediation	
RCRA Closure - Atwell labor and services	$300,000
Building Remediation Monitoring – Atwell labor and Services	$77,000
Atwell travel costs and per diem at government rates	$9,000
Task 98 – Project Reimbursables	$43,500
Budgetary Time & Material Estimated Project Cost	**$1,179,700**

Note: Atwell's fees associated with site monitoring, administration, and advisory services during the removal of e-waste and the building remediation activities are based on Contractor anticipated schedules and task durations. E-waste removal (9 months), Building dust remediation (3 months).

4.0 SCHEDULE

Based on the remediation estimates received for this project, the e-waste removal activities have been estimated to take approximately 9 months to compelte. The subsequent building remediation activities have been estimated to take approximately 3 months to complete. The duration of the regualory closure assessment and approval process will be dependent on the Ohio EPAs Ohio EPA's oversight over RCRA closure.

Atwell will conduct the environmental services outlined in this proposal consistent with the standard skills used by local members of the environmental profession practicing under similar

conditions. This proposal does not include sampling or laboratory analysis for the disposal of soil or liquid waste derived from the subsurface investigation operations. The handling and disposal of all sample media will be the responsibility of the independently retained laboratory. This proposal does not include contaminated soils removal, characterization, or disposal from the project site. If necessary, these costs will be in addition to the Scope of Work and fees presented herein.

5.0 PROJECT UNDERSTANDINGS

Atwell, LLC is acting in the role of Client consultant / advisor for this project and will execute all work in good faith in accordance with industry standard practice and procedures. Atwell is not serving as a General Contractor. The estimated project schedule and cost estimates are highly dependent on factors not within Atwell's control, including governmental and agency reviews and contractor's performance. Atwell's role does not include: (a) the selected contractor's health and safety protocols; and (b) transportation and ultimate recycling/disposal of e-waste. Accordingly, Atwell assumes no liability for Contractor performance, including project schedule, project budget or jobsite health and safety.

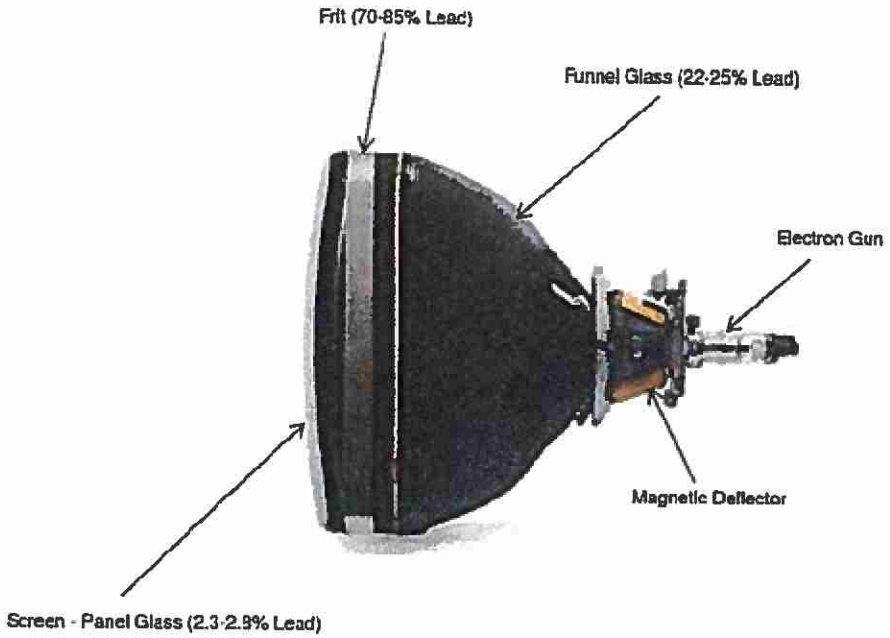
This proposal is valid for a period of sixty (60) days. This proposal shall serve as Exhibits A, B and C, as referenced in Atwell's Professional Services Agreement as agreed upon by Katten. The Time and Material cost estimates include project related reimbursable expenses, including vehicle mileage, hotels, per diem, postage/shipping, and reproductions. Those costs will be billed in accordance with the Atwell Professional Services Fee Schedule. Any application, bonding, or permit fees for the project will be paid directly by the Client.

If Client chooses to alter the proposed scope of work, Client shall so advise Atwell, and Atwell shall propose alterations to the scope of work and related fees. Client will authorize Atwell in writing to conduct more or less work than defined in the proposal.

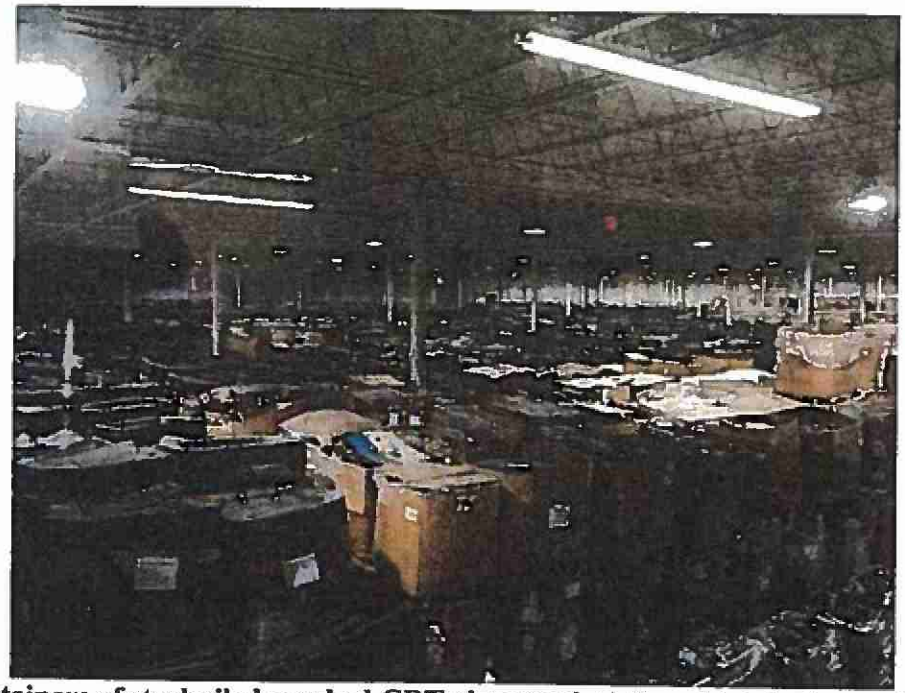
APPENDIX B

Photographs of E-Waste and Site Conditions

Photographic Log
Abandoned E-Waste and Building Conditions
1655 and 1675 Watkins Road, Columbus, Ohio

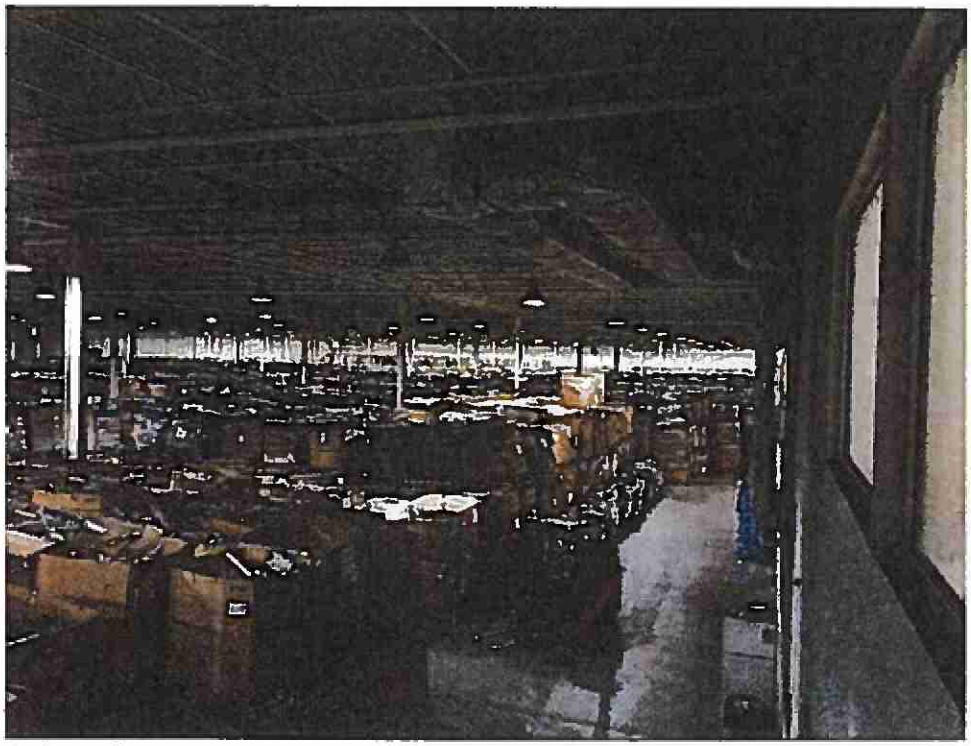


General image of a CRT, it's main components, and associated lead content.



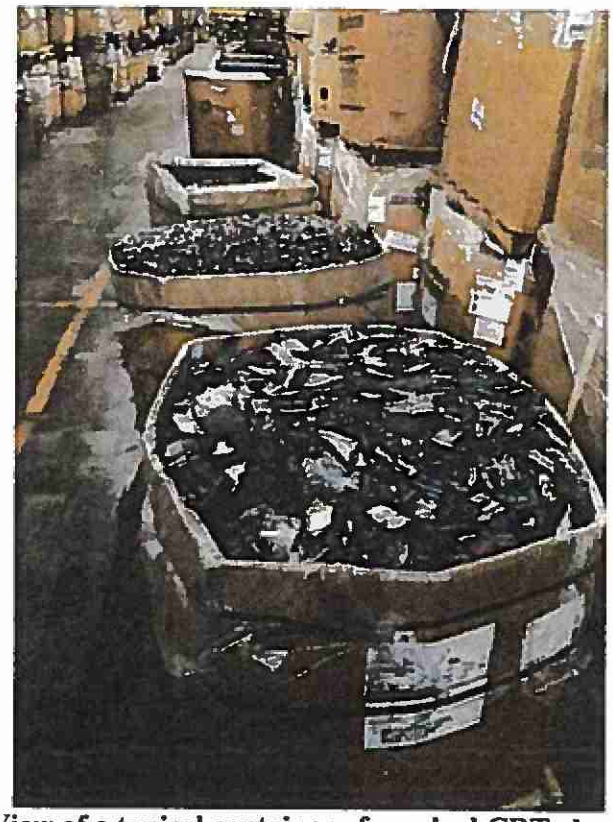
View of containers of stockpiled crushed CRT glass stacked three high in the south portion of building 1675.

Additional view of containers of stockpiled crushed CRT glass stacked three high in the south portion of building 1675. Containers of segregated scrap metal (frit) are in the foreground.

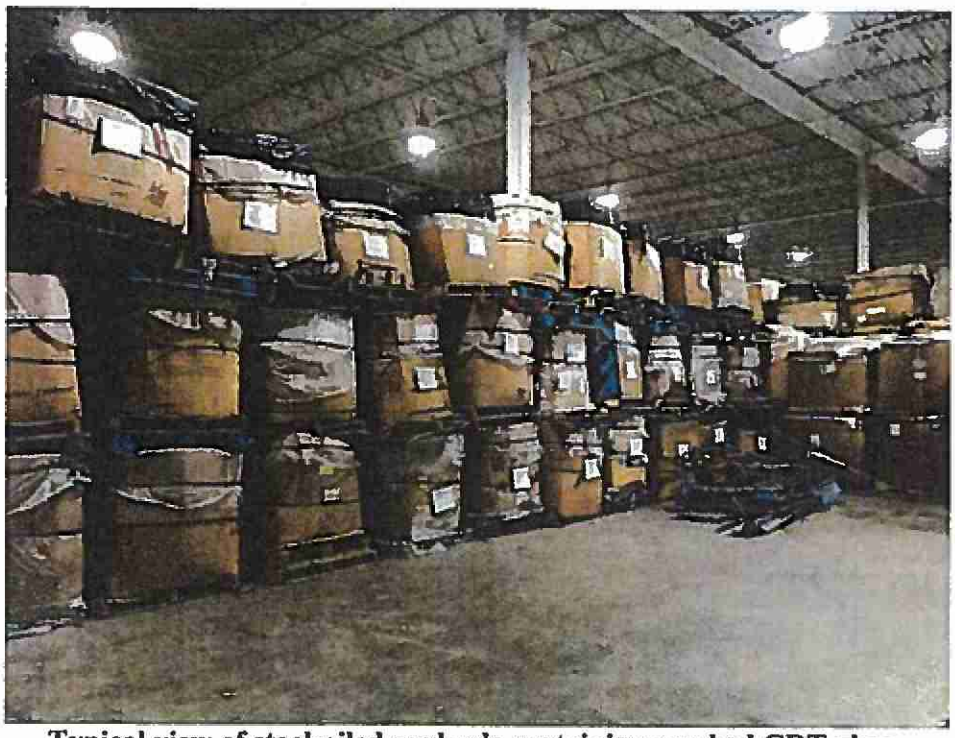


Additional view of containers of stockpiled crushed CRT glass stacked three high in the south portion of building 1675. Containers of segregated scrap metal (frit) are in the foreground.

View of containers of stockpiled crushed CRT glass stacked three high in the north portion of building 1675.



View of a typical container of crushed CRT glass.



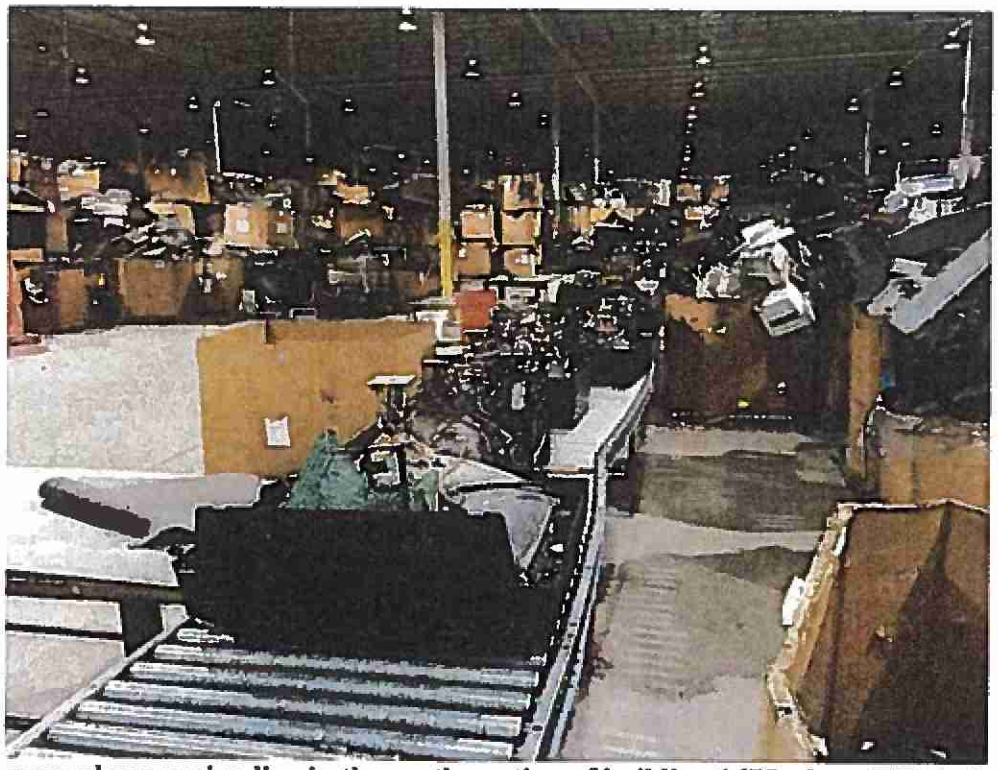
Typical view of stockpiled gaylords containing crushed CRT glass.

View of a container of CRT Tubes (not yet processed).

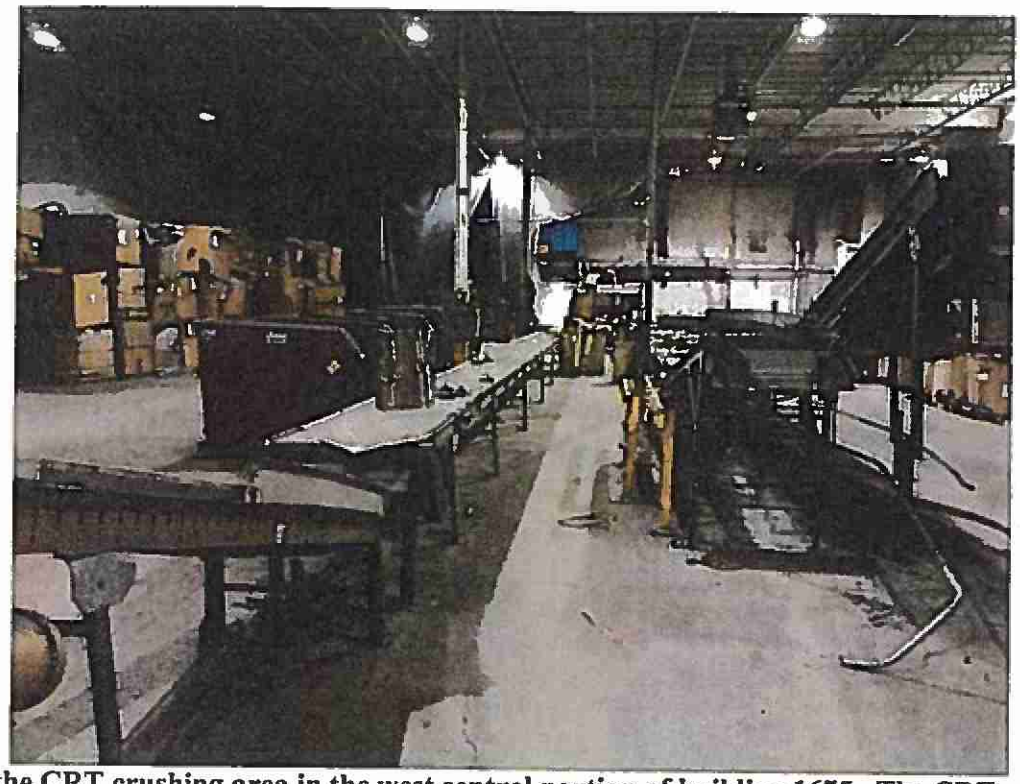
View of a container of projection CRT units not yet processed.

View of a container of segregated plastic components.

View of intact CRT devices (TVs) not in gaylord containers but as originally received by Closed Loop and unprocessed.



View of a manual processing line in the south portion of building 1675 where TVs and computer monitors would be disassembled.

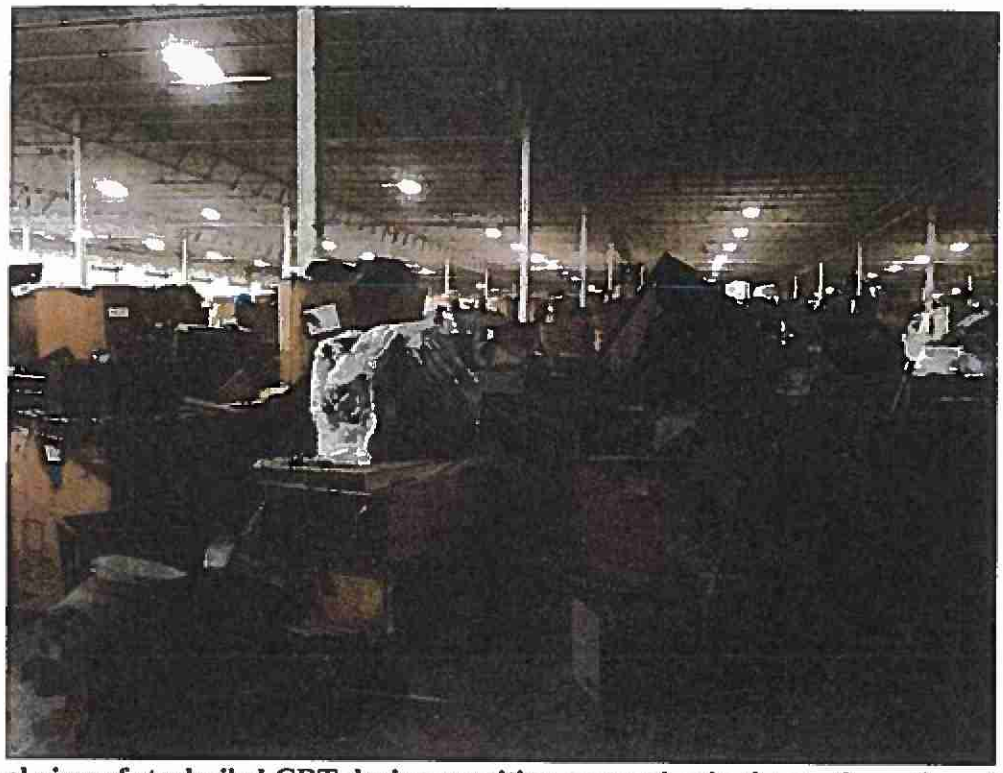


View of the CRT crushing area in the west central portion of building 1675. The CRT crusher is the blue equipment behind plastic sheeting installed as an attempt to control dust.

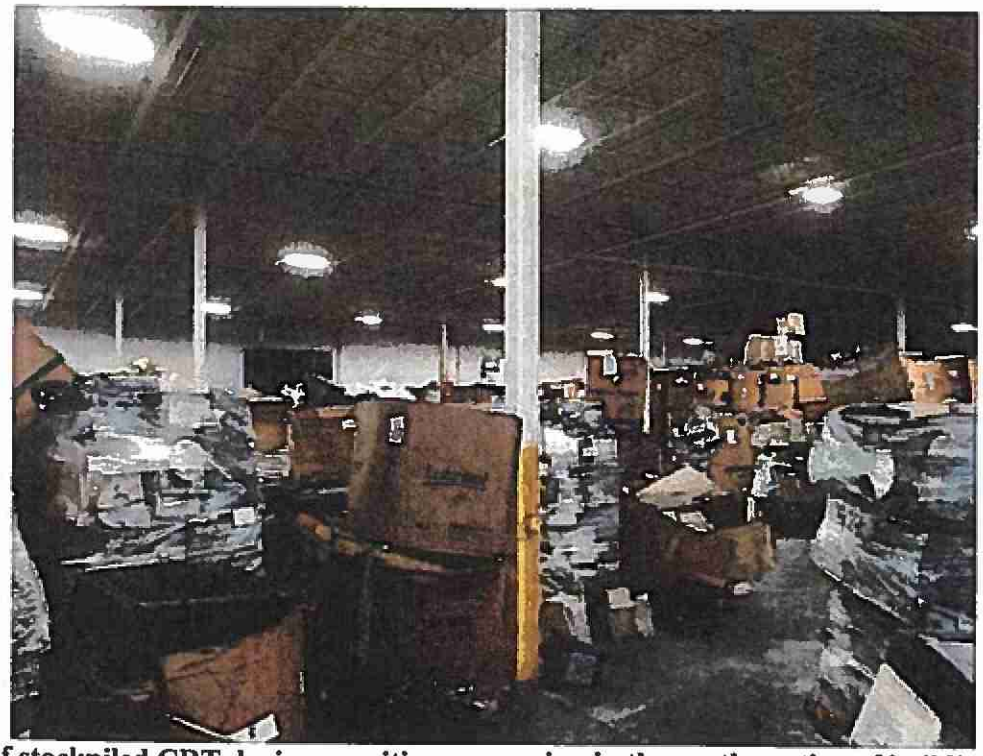
View of the crusher and a few inches of accumulated hazardous lead dust under the unit.

View of dust accumulation on the floor of the building.

View of stockpiled CRT devices awaiting processing in the south portion of building 1655.



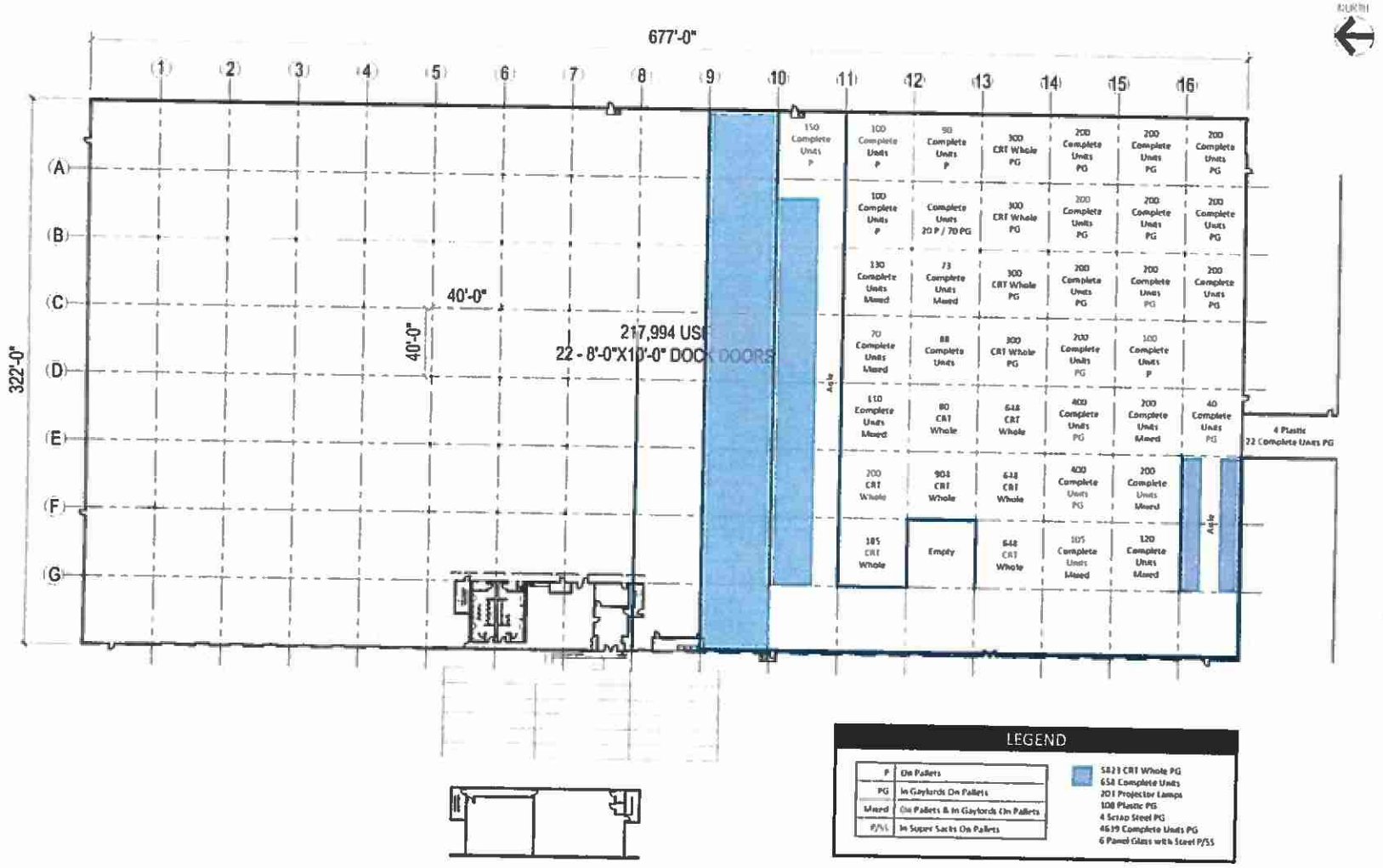
Additional view of stockpiled CRT devices awaiting processing in the south portion of building 1655.



View of stockpiled CRT devices awaiting processing in the north portion of building 1655.

APPENDIX C

Figures



GENESIS
PLANNING & DESIGN
300 East Broad Street, Suite 320
Columbus, Ohio 43215
614.976.1150

1650 WATKINS ROAD

TYPICAL BAY DIMENSION:
40' X 40'
WAREHOUSE CLEAR HEIGHT:
22'-0"

ELECTRICAL

WAREHOUSE:
TBD

LOADING DOCKS:

22 DOCK DOORS:
ALL DOORS 8'-0" X 10'-0"

DOCK DOOR #1 & #22:
DRIVE IN DOOR
12'-0" X 12'-0"

DOCK LEVELERS:
QTY: 22

DOCK SHELTERS:
QTY: 22

LIGHTING:

SUSPENDED FLUORESCENT
STRIP LIGHTS

OVERALL WAREHOUSE AREA:

217,994 S.F.

OFFICE AREA:

OFFICE / ENTRY: 2,653 SF
2ND LEVEL 2,653 SF
STORAGE 330 SF

SHEET
BUILDING PLAN
SCALE 1"=60'
JULY 02, 2014

PROJECT
1655 WATKINS ROAD
TOTAL AREA: 217,994 SF
SOUTHFIELD
INDUSTRIAL PARK

CHECKED BY: JCM

1655

JONES LANG LASALLE
Real value in a changing world

WESTMOUNT REALTY CAPITAL, LLC
GARRISON INVESTMENT GROUP

LEDGEND

P	On Pallets
PG	In Gaylords On Pallets
Mixed	On Pallets & In Gaylords On Pallets
Crush	Crush CRT Glass
Scrap Steel	Scrap Steel & CRT Glass
Mix	Mix of Plastic & Scrap Steel
*	Number Given By Consulting Group

Along Wall/Dock

1. 8 CRT Whole // 4 Plastic
2. 8 Full Device
3. 5 Full Device
4. 8 CRT with Metal Panel // 4 Full Device
5. 42 Complete Units
6. 10 Complete Units
7. 25 Panel with Metal // 15 Crush
8. 40 CRT Panel with Metal
9. 3 Full Devices // 3 CRT Whole // 13 Scrap Metal

JONES LANG LASALLE
Real value in a changing world

WESTMOUNT REALTY CAPITAL, LLC

GARRISON INVESTMENT GROUP

GENESIS
PLANNING & DESIGN
300 East Broad Street, Suite 310
Columbus, Ohio 43215
614.926.1190

1675 WATKINS ROAD

TYPICAL BAY DIMENSION:
45' X 40'
WAREHOUSE CLEAR HEIGHT:
TBD

ELECTRICAL

LIGHTING:
400 W METAL HALIDE

OVERALL WAREHOUSE AREA:

289,628 S.F.

OFFICE AREA:

4,571 S.F. 1ST LEVEL

4,571 S.F. 2ND LEVEL

SHEET
BUILDING PLAN
SCALE 1"=80'
JULY 02, 2014

PROJECT
1675 WATKINS ROAD
TOTAL AREA: 289,628 SF

LOGISTICS POINTE

CHECKED BY JCM

1675

APPENDIX D

Preferred Removal Contractor Proposals and Qualifications: HWE, Novotec, URT

Novo recycling
3960 Groves Rd.
Columbus, OH 43232
614-236-2222
www.novotecrecycling.

Revised Proposal for Removal and Disposition of Material from 1655 and 1675 Watkins Road Warehouse

Submitted by: Novotec Recycling LLC

Date: August 23, 2016

Novotec Recycling (hereinafter referred to as Novotec) is pleased to submit the proposal outlined below at the request of Garrison Investment Group of 1290 Avenue of the Americas, 9th Floor, New York, NY 10104 (hereinafter referred to as Garrison). This proposal is to provide all management, transportation and labor required for the removal and proper disposal and/or recycling of all Subject Material as outlined below from the Subject Property outlined below.

Summary

Novotec proposes to work with a variety of final processors for the CRT material to maximize the number of loads leaving the warehouse each week. Novotec has existing relationships with every downstream option available and will negotiate the best pricing balanced with the desire to move the material out as quickly as possible. These options include landfill, long term storage cells, glass-to-glass recycling, multiple lead and copper smelters, several glass recyclers who blend CRT glass, tile manufactures in Spain and several more. The goal would be to have multiple outlets taking material at the same time.

The pricing outlined below is design to cover all of the various costs involved in the project and thus minimize the number of contractors Garrison has to deal with to complete the project. The pricing includes all labor and equipment to stage and load the material, all transportation costs and all disposal or recycling fees.

Novotec's headquarters and all management and staff live and work in Columbus, Ohio. Novotec will provide experienced, full time employees, NO TEMPS, for this project. Each Novotec employee that will be involved in this project will have at least one full year of experience working with CRT material.

Novotec will be providing all of the equipment necessary to complete the work as outlined, including but not limited to forklifts, scissor lifts, balers, shrink wrap machines and pallet jacks.

This proposal is not intended to cover every detail of the agreement. It is anticipated that a formal contract or Service Agreement would be drafted and executed which would spell out details regarding payments, insurance and liability assumptions, notice, jurisdiction, dispute resolution, etc.

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3960 Groves Rd.
Columbus, OH 43232
614-236-2222
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Definitions

Subject Property: The Subject Property includes the entire approximately 290,444 square feet of warehouse space in the building located at 1675 Watkins Road, Columbus, Ohio 43207 (hereinafter referred to as 1675)and approximately 115,000 square feet of the warehouse space in the building located at 1655 Watkins Road, Columbus, Ohio 43207 (hereinafter referred to as 1655) . The warehouse space located at 1655 Watkins Road is located at the southern end of that same building. The Subject Property also includes the space located in the connecting structure between 1675 and 1655 Watkins Road.

Subject Material: The material to be removed from the property includes but is not limited to whole CRT containing display devices (televisions, computer monitors and terminal displays), partial or broken CRT display devices, CRTs which have been removed from whole CRT display devices, broken or partial CRTs which have been removed from whole CRT display devices, boxes of glass which have been removed from CRTs, steel banding from CRTs, plastic housings which have been removed from whole CRT display devices, flat panel displays (flat panel televisions and computer monitors), whole and partial projector TV sets, projector TV lamps, whole and broken pallets, miscellaneous equipment (including but not limited to conveyors, tables, portable light fixtures, balers, screeners, dumpers, trash containers) and miscellaneous non-hazardous waste. An Estimate of the breakdown of the Subject Material is attached to this proposal as **Attachment A.**

Approved Service Provider (ASP): An Approved Service Provider is a legal entity doing business as a company which provides disposal and/or recycling services which are required for the proper, legal and final disposition of the Subject Material such that Garrison is relieved of all liability for such material and has no further financial or legal obligation regarding such material. Novotec has relationships with a variety of possible ASP for this project. Each ASP has different processes and services which will dispose of and/or recycle the Subject Material and each of the ASP has different price structures and costs. Novotec will provide Garrison with pricing and details on the options for using the different ASP and Garrison shall choose which ASP they wish to utilize. Once approved Novotec will set up logistics and work to maximize the number of loads per day sent to each ASP with the goal of clearing the Subject Property as quickly as possible.

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Novotec's Obligations

Novotec's obligations under this proposal shall include the following:

1) Novotec will provide all of the labor and equipment required to safely move the Subject Material within the warehouse and stage such material for shipping. This may require that some boxes or pallets currently in the warehouse be repackaged if the existing box or pallet falls apart during the staging process. Client is aware that much of this material has been sitting in the warehouse for several years or more and many of the boxes and pallets are not in very good condition. Novotec will provide the shrink wrap, pallets and gaylords as required to stage the loads properly for shipping.

2) Novotec will provide all of the labor and equipment required to load the Subject Material into the appropriate shipping containers for transportation to each specific ASP for disposal and/or recycling of that specific material.

3) Novotec will arrange, manage and pay for all transportation services required to transport the Subject Material from the Subject Property to its designated ASP. Novotec will provide all legal documentation and keep records of all shipments as may be required by any applicable laws, rules or regulations or industry certifications.

4) Novotec will arrange, manage and pay for all disposal and/or recycling services as they may be provided by each ASP. Novotec will provide records of all invoices and payments to any ASP which is not Novotec.

5) Novotec will provide Garrison with invoices for the removal of all of the material as the material is being shipped. Due to the nature of the Subject Material it is anticipated that most of this material will require payment to be made for such services at the time the material is shipped. Novotec will provide all invoices in a timely manner such that Garrison has ample time to pay such invoices. Novotec will work with Garrison to arrange for financial assurances such as Letters of Credit or prepayment accounts that can be drawn upon for shipments as they leave the warehouse. Details of payment terms will need to be worked out in detail prior to commencement of the project.

Garrison's Obligations

Garrison's obligations under this proposal shall include the following:

1) Garrison will provide access to the building, the front dock area and parking area such that Novotec can meet all of their obligations outlined above without any interference or delay.

2) Garrison will insure that the lights in the warehouse are working and full power is available for operating any lights, dock doors or other equipment Novotec will need to fulfill their obligations as outlined above. Novotec does not anticipate requiring any additional heavy equipment or equipment which would use large power requirements.

3) Garrison will pay all invoices within the terms provided for such payment. Due to the nature of the material being removed from the Subject Property it is anticipated that most or all ASP will require Novotec to make payment in advance of the material arriving at their facility. It may be prudent to set up Letters of Credit or accounts to draw against for payments in order to allow for the uninterrupted flow of material out of the warehouse. Garrison agrees to work with Novotec to provide such financial assurances as Novotec may require in order to make Novotec's payments to the various ASPs. Details of payment terms will need to be worked out in detail prior to commencement of the project.

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Columbus, OH 43232
614-236-2222
www.novotecrecycling.

Strategy

After additional discussions with Garrison Novotec recommends that both 1655 and 1675 be cleaned out simultaneously. The time frames below will start at approximately the same time as scheduling allows.

1655 – (24 to 39 weeks) - 1655 will involve removal of all Subject Material in 1655 such that Garrison can lease perform a final cleaning of the facility and lease it to a new tenant. Novotec would ship this material to the Novotec Recycling facility located in Columbus Ohio for recycling of the CRT glass such that all of the materials in the 1655 building remain Conditionally Exempt from being designated as waste or Hazardous Waste under CFR Title 40 Subchapter I regarding Solid Wastes. Some of this Material may also go to a Lowest Cost ASP.

1675 – (9 to 15 months) – 1675 will involve removal of all Subject Material within 1675. In order to expedite this process Novotec will identify and work with Garrison to approve as many ASP as possible for this material. Novotec has currently identified 2 definite ASP and has identified several more potential outlets which may require additional work to achieve an agreement for them to accept the material within the time frame and in the condition in which the material currently exists. One of the already identified ASP is a Lowest Cost ASP for the material in 1675. Shipping to this ASP could begin immediately. Garrison may choose to utilize an ASP which is higher in cost in addition to the Lowest Cost ASP in order to decrease the time required to ship out all of the material in the warehouse. Novotec will continually manage the contracts with each ASP to maximize the number of loads per day that each ASP can take.

Pricing – The Pricing for each different material is shown on **Attachment A**. The pricing for the Mixed Funnel/Panel Glass in Gaylords is based upon using our currently identified Lowest Cost ASP. The costs shown for Whole Units and Unprocessed CRT are based upon Novotec processing the material in accordance with all state Producer Responsibility Programs, all R2 certification guidelines and e-steward certification guidelines and all major Original Equipment Manufacturer requirements. All pricing includes all costs associated with the management of the material to final disposition as outlined above under Novotec's obligations. Due to the fact that these prices include transportation costs which include fuel surcharges it is understood that the prices may changes slightly prior to actual execution of the final service agreement. It is not anticipated that fuel costs or transportation costs will greatly increase or decrease pricing.

If this proposal is acceptable then please have the appropriate person sign and date the signature block below and return to Tom Bolon at tbolon@novotecrecycling.com.

Novotec appreciates the opportunity to submit this proposal and looks forward to working with Garrison on this project.

Regards,

CEO

NovoTec recycling

3960 Groves Road, Columbus, Ohio 43232
(614) 236-2222
tbolon@novotecrecycling.com

R2 2013 Responsible℠ Recycling

ISRI MEMBER

Garrison Investment Group accepts this proposal and agrees to move forward in good faith to negotiate, draft and execute a formal agreement based upon the above terms and conditions.

Signature_____ Title:_____ Date:_____

Print Name:_____

Attachment A

Material	See Notes Below regarding Weights and Pricing					
	1655	1675	Price / #	1655	1675	
Whole Units	3,490,451	1,469,879	($0.16)	($558,472)	($235,181)	($793,653)
Unprocessed CRT	6,576,765	2,163,603	($0.16)	($1,052,282)	($346,176)	($1,398,459)
Projector Lamps and TV	185,087		($0.18)	($33,316)	$0	($33,316)
Mixed Funnel/Panel Glass in Gaylords		113,750,757	($0.09)	$0	($10,237,568)	($10,237,568)
Steel with glass	1,944	324,648	$0.00	$0	$0	$0
Plastic	19,440	15,120	$0.10	$1,944	$1,512	$3,456
Panel with metal	14,406	175,273	($0.09)	($1,297)	($15,775)	($17,071)
	10,288,093	117,899,280		($1,643,423)	($10,833,188)	($12,476,611)
Totals		128,187,373	($0.097)			($12,476,611)
			Average Cost per LB			

Notes:

1 All weights are estimates and are not intended to be used as definative or actual weights

2 Actual weights will be provided as the material is being loaded.

3 All Cost Totals are estimates based upon estimated weights and are not intended to be used as actual costs.

4 All Pricing is a unit pricing per LB of loaded material.

Novotec Recycling

Founded: 2008

Industry Certifications: R2, ISO 14001, OSHAS 18001, EPSC approved

Employees: 170

Facility: 200,000 SF – 18 docks, 12 acres, full inside rail access

Introduction to Novotec Recycling

Novotec was founded in 2008 as a Cathode Ray Tube (CRT) and flat panel display recycler. The company, located in Columbus, Ohio operates out of a 200,000 SF facility on 12 acres with full inside rail access.

Novotec is open 7 days a week operating 3 shifts processing an average 50,000,000 LB annually. With capacity to process over 100,000,000 LB of CRT and flat panel material annually Novotec is positioned to handle any size project efficiently while maintaining full compliance. All employees are full or part time company employees with no temporary staffing.

Novotec is R2 certified as well as ISO 14001 and OSHAS 18001 certified. As a member of ISRI Novotec works with other industry leading companies to promote and encourage safe, responsible recycling of all materials. Novotec is also an approved recycler under the Electronics Product Stewardship Canada Recycler Qualification Program

Why Work with Novotec

Novotec was built and operates around three major principals:

1) **Focus** - Focus on one thing and do it right – that is recycling displays including the processing and recycling CRT's and CRT glass and Flat panel displays;

2) **Compliance** – Full compliance with all federal, state and industry regulations including R2 and e-steward standards – Novotec from the first day of operations was focused on being ahead of the curve on Environmental, Health and Safety compliance and on finding sustainable solutions for all downstream material and by-products of our operations; and

3) **Integrity** - Never compete with our clients. Novotec is a Third Party Processor and does not compete directly for contracts against our own clients (this practice was very common in the industry). Always deliver more than we promise. Focus on developing long term mutually beneficial relationships with clients over short term profit.

FOCUS

Over the past 9 years Novotec has developed a reputation as a leader in the electronics recycling industry specifically as the highest compliance level option for CRT glass. By concentrating on CRT glass and understanding its structure and physical properties as well as analyzing existing economic and market factors related to the glass and its major components, Novotec is able to continually evaluate all available recycling and processing options for CRT glass and assure our clients that their CRT material is being handled as economically as possible while maintaining the highest level of environmental stewardship and regulatory compliance. In 2008 the EPA regulations allowed for 2 main processes for the recycling of CRT glass. One was using the glass to manufacture a new CRT tube and the other was working with a smelter to melt the glass and recycle the lead from the glass. When many CRT processors were sending their glass to a company in Mexico which in turn sent the glass to India to a CRT manufacturer there Novotec saw that the CRT market was essentially gone and that soon the India option would go away. Instead Novotec worked with the largest lead smelter in North America to develop a product that was beneficial to the smelters process and economical for Novotec to produce. Smelting is the only process that removes the lead from the glass and recycles it back into the economy helping to reduce the environmental impact of mining virgin ores while utilizing no additional energy in the recycling process. Securing this option assured Novotec and its clients that their material would be fully recycled in full compliance with all EPA regulations for years to come.

When new solutions for CRT glass are promoted to the industry Novotec is able to knowledgably analyze the claims of the company and process they are promoting and determine if the option is viable and if it would be beneficial to our clients to pursue working with this option. Over the past 9 years the industry has seen many of these companies and solutions enter the market with much self-promotion and fanfare and unfortunately we have seen almost all of these companies fail to deliver and most have gone out of business and left large stockpiles of CRT material for others to deal with.

COMPLIANCE

Novotec has consistently focused on and delivered to its clients the highest level of regulatory compliance in the industry. Many top electronics OEM programs require their CRT material be sent to Novotec due to this high level of compliance with all regulations and industry environmental standards.

Novotec is audited annually by multiple OEM programs and large recycler clients. In addition Novotec is audited annually by the R2 certification program and the Canadian Recycling program. Auditors consistently relate that Novotec's operation is a top performer in audits. Below are some quotes from one R2 audit final report:

> "This is the best management review I have seen over the years auditing."
>
> "All employees interviewed in this area did a great job answering questions related to PPE, Focus Materials, Emergency Preparedness and Response. Even the newly hired employees did an excellent job answering questions. While at the organization a sense of good work ethic is felt among the work force."

"Excellent cleanliness witnessed."

"Monitor area was highly organized with all raw materials containers labeled and work areas cleaned. The following employees were interviewed and demonstrated excellent knowledge of the process:"
"Bailing operation was also very clean and organized. The operator was aware of the safety precautions for his area and the focus materials.

"Excellent work instructions for the processes."

"All employees did an excellent job on wearing the appropriate PPE for their jobs! "

- Quotes from Novotec R2 Surveillance audit Final Report - April 1st and 2nd 2013

In 2013 Novotec implemented a company-wide program 5S Site Management Standards which provided all employees with the tools and training which allowed them to take ownership of their work areas and processes.

INTEGRITY

Novotec's operating principals are all built on a base of integrity in everything we do. When many CRT processors were competing for the same contracts that their clients had in place that were generating material coming to them, Novotec specifically did not take up that practice and instead worked with their clients to make sure that they kept those contracts and focused on helping them grow which in turn helped Novotec grow.

When buying and/or selling commodities Novotec strives to create mutually beneficial pricing and terms that will help both sides want to develop long term and profitable relationships. There is always a sweet spot where both sides are happy and look forward to working together on the next deal.

In operations Novotec looks to be a leader in environmental health and safety often putting programs in place well above the required regulations. Employee safety is a top concern as well as environmental stewardship. Novotec will never take the lower cost option on processing or on working with downstream vendors if that option has any chance of creating exposure to downstream liabilities for their clients.

Novotec's Reputation is Second to None

The best marketing tool that Novotec has is their clients. Novotec is proud of the fact that nearly all of their clients have come to them thru word of mouth, coming to Novotec thru their stellar reputation as the trusted industry leader in compliant CRT recycling. When a company is new to the CRT recycling sector or finds themselves looking for a new CRT processing partner they only have to make a few calls before Novotec Recycling comes up. The next call is usually to Novotec.

HAZARDOUS WASTE EXPERTS PROPOSAL FOR SERVICES

OVERVIEW

Hazardous waste experts is pleased to submit this proposal for services to clean out the abandoned electronic waste processing facility located at 1675 Watkins Road, Columbus, Ohio. This proposal sets forth our approach for a single-source solution for the management, packing, labeling, transporting, and disposal of approximately 128 million pounds of electronic waste. The waste consists of cathode ray tube (CRT) monitors, television sets, projector lamps, crushed CRT funnel and panel glass, and various types of scrap metal and plastic. We plan to provide all services necessary to complete the cleanout of this facility. Approximately 14 million pounds of whole CRT units, television sets, projector lamps, and scrap material will be recycled in accordance with R2 standards. The crushed CRT glass will be disposed of in a hazardous waste landfill. At the conclusion of the project, all of the material will have been recycled or disposed of permanently, in a manner that is fully compliant with all appropriate rules, regulations, laws, and standards.

The Objectives

Our plan will ensure that the following objectives are met:

- The project will be completed in less than 180 working days (nine months).
- Our total cost for this project (at projected volumes) will be $17,955,396.30
- We will complete all tasks related to a complete cleanout of the site.
- We will ensure that all risks associated with this project are mitigated to the fullest extent possible.

The Plan

Our plan is comprehensive, ensuring that all aspects of the project are managed and implemented by our project team.

- Whole CRTs, complete units, scrap plastic, and scrap panels with metal will be segregated into cubic yard (Gaylord) boxes on wooden pallets. These pallets will be covered entirely by stretch plastic film and then labeled with the origin, weight, load number, destination, and other regulatory information. The pallets will be loaded into 53 foot inter-modal containers at the site and then transported over-the-road to a rail siding where the containers will be transferred onto rail cars. The containers will travel by rail from Columbus, Ohio to San Bernardino, California, where they will be transferred by crane back onto truck chassis for over-the-road transportation to Calexico, California. In Calexico, the containers will be prepared and labeled for export into Mexico and then shipped over-the-road across the border to the treatment facility in Mexicali, Mexico. At the treatment facility, the units will be disassembled and all of the materials segregated. The tube guns, plastic, metal, circuit boards, and wiring will all be transferred to local companies for further recycling. The funnel and panel glass will be shredded and crushed and then continuously washed to remove all lead dust. The clean glass cullet will be placed into lined cubic yard boxes for transport to a CRT glass manufacturing facility in Bharuch, India.
- Projector lamps will be segregated into cubic yard boxes on wooden pallets and then shipped in truckload quantities over-the-road to a processing facility in East Windsor, Connecticut. The lamps will be processed in a Balcan Lamp Processor. The lamps are fed into the sealed processor where they are crushed and the materials separated into three recyclable end products- metal, glass, and mercury-containing calcium phosphate powder. Each end-product is then delivered to downstream recyclers for final recycling.
- Crushed CRT glass will be removed from the facility in cubic yard boxes on pallets. These boxes will be dumped into bulk end-dump trailers. The trailers will then travel over-the-road to a hazardous waste landfill in Oregon, Ohio. At the landfill, a sample from each load will be evaluated to determine the physical and chemical characteristics of the waste glass. The trailers will unload by dumping the glass onto a segregated tipping floor in the treatment area of the facility. The tipping

floor is equipped with an air pollution system to eliminate external dust emissions during the unloading and waste processing processes. The waste is then transported to the stabilization and containment building, where it is processed before landfilling. The glass will be treated by a stabilization process that utilizes both macroencapsulation and microencapsulation processes that utilize a combination of physical and chemical techniques to ensure that no lead from the waste can leach while contained in the landfill. Upon completion of the treatment process, the waste is then submitted to the onsite laboratory for completion of a Toxic Characteristic Leaching Protocol (TCLP) test to ensure that the material has been rendered non-hazardous under both state and federal guidelines. The waste is then disposed of in the site's fully permitted Subtitle C landfill.

- Scrap plastic and steel will be vacuumed with a HEPA vacuum unit and then segregated into cubic yard boxes for transport by over-the-road truck to approved plastic and scrap metal recycling facilities.

OUR PROPOSAL

Hazardous Waste Experts will provide a six member crew at the site to perform all inspection, packaging, labeling, preparation, documentation, and loading of the waste material. Each member of the crew is properly trained in the handling of RCRA waste, the proper fitting and wearing of personal protective equipment (PPE), the regulations for packaging and shipping of hazardous waste, and the proper documentation of waste for shipment.

Packing

All waste materials will be placed into cubic-yard cardboard boxes, commonly referred to as Gaylord Boxes. These boxes have excellent structural strength and integrity and are the most common method for packing waste for shipment to recycling or disposal locations. These boxes are placed onto standard 40" x 48" wooden pallets that allow for handling by forklift. Each box is then wrapped with plastic stretch film which provides both an air barrier to eliminate any dissipation of contaminated dust from the waste, and adds structural strength to the box. Every box will be vacuumed with a HEPA vacuum to remove any surface dust before being wrapped with stretch film and then vacuumed again once the stretch film is applied to the box.

Labeling

Each palletized box will be labeled with regulatory labels that indicate the nature of the waste, the origin, the destination, contact information for our company, and any other necessary information as required by regulation, law, or standard. Each container will have a unique serial number that is tracked from origin to disposal. We will maintain a comprehensive log of each container and its status throughout the process.

Whole CRT and Complete Units

These monitors and televisions will be vacuumed to remove exterior dust and then packed as tightly as possible into cubic yard boxes. The boxes will be stretch-wrapped with plastic film and then vacuumed once again. The box will then be labeled and logged into our management system. The boxes will be loaded tightly into 53 foot inter-modal containers that are backed up to loading docks at the facility. We will maintain approximately fifteen of these containers on site at all times. When a container is full, all regulatory documentation will be attached to the last pallet in the container. This documentation consists of the following:

- Material Safety Data Sheet (MSDS)
- Approval of Consent Letter from EPA
- Generator Waste Profile
- Universal Waste Labels designating the waste as "CRT Glass for Recycling"
- Packing List with gross, tare, and net weight of the container and a detailed list of the waste

All whole CRT monitors and television sets must be segregated into one of the following categories:

1. Monitor up to 14"
2. Monitor over 14"
3. Television up to 14"
4. Television over 14" but up to 21"
5. Television over 21"

The fully loaded containers will be picked up by our drayage transporter utilizing a drop-and-hook method whereby they bring an empty container and leave with a full container. The transporter will then transport the full containers to a rail terminal in Columbus, Ohio where they will be loaded by crane onto an inter-modal rail car. These trains leave daily from the siding for transportation to another rail terminal in San Bernardino, California where they will be unloaded from the train cars onto over-the-road chassis for transportation to our receiving center in Calexico, California.

The facility in Calexico (Technologies Displays America) will receive the containers, inspect them for shipping integrity, inspect the documentation, and then prepare the loads for transfer across the U.S./Mexico border between Calexico and Mexicali, Mexico to the recycling center operated by Technologies Displays Mexicana. Both centers are subsidiaries of Indian conglomerate Videocon, a major recycler of CRT glass. The process for handling of the material will be managed by our downstream partner Cali Resources, LLC, a certified R2 recycler of CRT glass.

The processing facility at Mexicali is a US preferred recycling center for CRT glass and is certified under ISO 9001 and ISO 14001. It is the single largest processor of clean glass cullet for recycling as glass-to-glass in North America. TDM complies with all Mexican environmental regulations and is audited by state and federal entities yearly. The plant has a processing capacity of 25 tons per hour for panel glass and 12 tons per hour of funnel glass.

TDM has authorization to import CRT glass from the United States under the auspices of an EPA Approval of Consent Letter for the period July 1, 2016 until June 30, 2017. Its recycling authorization from the Mexican environmental agency SEMARNAT extends, under the current permit, from April 27, 2010 until April 26, 2020. The plant is also permitted for site operations and air pollution and holds a site closure bond and extensive insurance coverages.

All material processed at TDA and TDM is monitored by Cali Resources, LLC, our certified R2 recycler. Cali Resources will ensure that we receive certificates of recycling for each load that is transported to TDM.

The only waste processing by-product that is generated at TDM that is not 100% recycled is the metal-bearing sludge and filter press material from the waste water plant. This waste is packed into 55 gallon steel UN listed waste drums and shipped under a Universal Hazardous Waste Manifest to the US Ecology facility in Beatty, Nevada. All other material from the processing of the waste is recycled.

Our project team will segregate, package, label, and load approximately two of the 53 foot inter-modal containers per day. We estimate that there are 331 containers of whole CRT and complete units for shipment to the recycling center in Mexico, allowing us to complete this portion of the project in approximately 166 work days.

Crushed CRT Glass

There are approximately 28,233 cubic yard boxes of crushed glass from CRT and television units. This material will be processed for disposal at a hazardous waste landfill operated by Envirosafe Services of Ohio, Inc. in Oregon, Ohio.

We strongly believe that this material must be disposed of in a RCRA certified hazardous waste landfill that is permitted under federal and state regulations as a Part B Permitted RCRA Subtitle C Treatment, Storage, and Disposal Facility (TSDF), including CERCLA approval. While some states make allowances for disposal of broken CRT glass in non-hazardous landfill facilities, these facilities are not adequately prepared to address the long-term possibility of leaching of the metals, in spite of the fact that the material passes the TCLP test at the time of disposal. In order to have comfort that there will be no long-term liability issues from the disposal of this waste material, the use of a Subtitle C hazardous waste landfill is highly desirable, regardless of the higher cost of doing so.

The landfill operated by Envirosafe of Ohio is properly equipped and permitted to treat the lead-bearing glass that we intend to dispose at the facility. The waste material that arrives at the landfill is tested at the on-site quality control

laboratory. The laboratory contains two ICP units, a microwave digester, extractors, x-ray, pH meters, radiation detectors, flashpoint testers, H-Nu photo-ionization detector, TLV sniffer, and other sophisticated equipment. This laboratory will ensure that the waste is fully understood and that the proper treatment methods are employed on the waste.

The landfill's treatment capabilities include the stabilization of solid wastes classified under RCRA as hazardous due to their metal content, and the treatment of debris classified as hazardous under RCRA. The facility utilizes cement-based and pozzolannic-based stabilization technologies, which may be supplemented by other proprietary additives as needed to meet specific regulatory treatment standards. The stabilization process acts both chemically and physically to limit the solubility or mobility of contaminants in the waste by converting metals into insoluble hydroxides and carbonates, and by creating rigid physical matrices to contain the contaminants. The debris treatment system includes macroencapsulation and microencapsulation technologies. As with stabilization, these technologies act to reduce the leachability of contaminants. Macroencapsulation involves creating a "jacket" or inert material around the debris to reduce exposure to leaching agents, while microencapsulation utilizes stabilization technology to directly "treat" the contaminants associated with the debris.

Both the stabilization and debris treatment processes take place in a fully enclosed containment building with air pollution control systems. Waste streams are treated individually to ensure efficient and cost effective mix designs. Treated wastes are then disposed of in the Subtitle C landfill. Each shipment will receive a certificate of disposal and a completed Uniform Hazardous Waste Manifest. Our log system will record the manifest and COD numbers as an additional record of the disposal.

To ensure long-term risk mitigation, the facility is required to pay into a closure fund that would meet the cost of closing the cell at any given time and preparing the site for post closure monitoring for 30 years. A trust fund is used as the financial instrument to meet this requirement. The site has fully funded its closure and post-closure trust funds in cash. In addition to these funds, the facility is also required to pay into a separate trust fund, called the Perpetual Care Fund, that will function to maintain the site in perpetuity and accommodate additional future modifications to the site as required to retain the integrity of the barrier between the environment and the disposed materials. The closure, post-closure, and perpetual care funds are all fully funded in cash. The combined funds currently total over $50 million and are estimated to grow to hundreds of millions of dollars by the time the money is needed.

Projector Lamp Recycling

There are approximately 193 cubic yard boxes of projector lamps that require transportation and processing for recycling. Projector lamps require treatment due to the mercury that is contained in the lamps.

The projector lamps will be segregated into cubic yard boxes. Each box will be vacuumed with a HEPA vacuum and stretch-wrapped to fully enclose the box. The boxes will be loaded onto over-the-road trailers and transported from the site to East Windsor, Connecticut for recycling.

The processing facility is operated by NLR, Inc as a large quantity handler of universal waste lamps, batteries, mercury devices, and electronics.

The recycling of "spent" lamps involves the crushing of broken and unbroken mercury-containing lamps (MCL), including linear, compact, circleline, "U" tubes, and high intensity discharge (HID) lamps. Used mercury containing lamps must be managed in a way that prevents releases to the environment. The facility recycles mercury-containing lamps using a Balcan MP8000 Lamp Processor, manufactured by Balcan Engineering Limited, Lincolnshire, England. Lamps are fed into the hermetically sealed processor where they are crushed and the materials separated into three recyclable end-products: metal (including end caps, insulators, and wires); glass; and mercury-containing calcium phosphate powder. Each end-product is delivered to downstream recyclers in accordance with applicable waste management regulations.

The lamp recycling process generates calcium phosphate powder with mercury contamination. This powder is managed as a hazardous waste and is shipped to a permitted hazardous waste treatment facility. The EPA approved treatment process to reclaim the mercury from the powder is called a mercury retort. In a retort the powder is heated to approximately 650 degrees Celsius, causing the mercury to vaporize. Once vaporized, the gasses travel into a condenser

where it is cooled and the mercury turns back into a liquid state. Approximately 45,000 lamps recycled in this fashion will result in 3 pounds of liquid mercury being reclaimed for future use.

Plastic and Metal Recycling

There are approximately 672 cubic yard boxes of scrap metal and 192 cubic yard boxes of scrap plastic that are available for recycling.

Scrap metal will be transferred to a local scrap metal dealer in Columbus, Ohio for recycling. All boxes containing metal scrap will be vacuumed with a HEPA vacuum and packed into stretch-wrapped boxes for shipment. A receipt for each load will show the volume and weight of the metal that was accepted.

Scrap plastic, primarily High Impact Polystyrene from electronic component housings, will be transported by over-the-road transport to Genesis Plastics Recycling in Wheeling, Illinois. This material will be vacuumed and packed into stretch-wrapped cubic yard boxes for transportation. The recycler will grind the plastic and make it available on the open plastics feedstock market to a variety of recyclers. A receipt showing the volume and weight of all plastic sent to the recycler will be recorded in the project log.

Facility Remediation

Once all waste has been transported from the facility, we will HEPA vacuum the interior of the building. All floor surfaces, including the office area, ceiling beams and trusses, and accessible processing equipment will be vacuumed. Equipment and hard surfaces will also be wiped down with D-Lead wipes. We will provide necessary utility vehicles, platform lifts, HEPA vacuums, PPE, and forklift.

All waste generated during the decontamination will be collected into DOT approved 55 gal drums for off-site waste disposal. The waste will include the following lead contaminated items: PPE, HEPA vacuum filters, rags, and wipes. We assume collection of thirty 55 gal drums of this material.

Documentation

The project team will prepare all necessary documentation for the material to be recycled or disposed of. We will scan and store copies of every label, form, and document and will maintain a log of each type of document. These documents will be available as needed in the event of an audit or inspection by the EPA or other regulatory agency.

Schedule

Our plan has been calculated down to the hour and we are confident that we will be able to complete the project at a maximum duration of 180 working days (nine months). All transportation, treatment, and disposal partners have confirmed their capacity to handle this material and work load. We are committed to complete the project as rapidly as possible, and believe that this timeline is achievable.

Inventory

Below is the site inventory we received.

Material Type	Number of Containers/Units	Total Wt of Each Type (lbs)	Total Wt of Each Type (tons)
Totals			
CRT Whole (PG)	7,728	8,740,368	4,370
CRT Crushed (PG)	28,233	113,750,757	56,875
Complete Units (P)	6,790	4,960,330	2,480
Projector Lamps (PG)	193	185,087	93
Plastic (PG)	192	34,560	17
Scrap Steel (PG)	672	326,592	163
Panel with Metal (P/SS)	79	189,679	95
Grand Total	43,887	128,187,373	64,094

Key	
PG	Complete Units in Gaylords on Pallets
P	Complet eUnits Plastic Wrapped on Pallets
P/SS	Pallets and Super Sacks

HAZARDOUS WASTE EXPERTS PEGEX

RATES

Description	Rate	Unit		Total
CRT Monitors and Tube TVs				
Recycle: CRT Monitors	$0.33	8,740,368	Lb	**$2,884,321.44**
Recycle: Tube TVs - No Wood	$0.33	4,960,330	Lb	**$1,636,908.90**
Transportation: To Mexico for Recycle	$2,950.00	381	Load	**$1,123,950.00**
			Sub Total	**$5,645,180.34**
Leaded Glass				
Disposal: Encapsulation & Landfill	$110.00	56,875	Ton	**$6,256,250.00**
Transportation: Oregon, OH	$55.00	56,875	Ton	**$3,128,125.00**
			Sub Total	**$9,384,375.00**
Scrap Metal				
Recycle: Scrap Metal	$0.00	258	Ton	**TBD**
Transportation: Local Dealers	$0.00	258	Ton	**TBD**
			Sub Total	**TBD**
Plastics				
Recycle: Plastic	$0.00	17	Ton	**TBD**
Transportation: Wheeling, IL	$1,850.00	1	Load	**$1,850.00**
			Sub Total	**$1,850.00**
Lamps				
Recycling Lamps w/Metal Housings	$3.60	185,087	Lb	**$666,313.20**
Transportation: East Windsor, CT	$2,550.00	8	Load	**$20,400.00**
			Sub Total	**$686,713.20**
Labor and Materials				
Supervisor	$120.00	1,440	Hour	**$172,800.00**
Project Manager	$120.00	1,440	Hour	**$172,800.00**
Operator - Forklift	$85.00	1,440	Hour	**$122,400.00**
Operator - Forklift	$85.00	1,440	Hour	**$122,400.00**
Operator - Loader	$85.00	1,440	Hour	**$122,400.00**
Laborer	$75.00	1,440	Hour	**$108,000.00**
Laborer	$75.00	1,440	Hour	**$108,000.00**
Level C PPE (6 Persons)	$540.00	180	Day	**$97,200.00**
Reclaimed Gaylord Boxes	$25.00	5,000	Box	**$125,000.00**
Recycled Wooden Pallets	$15.00	200	Pallet	**$3,000.00**
HEPA Vacuum (2 Units per Day)	$25.00	180	Day	**$4,500.00**
Stretch Wrap	$20.00	1,700	Roll	**$34,000.00**
Utility Vehicle	$225.00	180	Day	**$40,500.00**
Forklifts and Fuel (2 Units)	$2,850.00	36	Week	**$102,600.00**
Loader and Fuel	$5,335.00	36	Week	**$192,060.00**
Meal Per Diem (6 Persons x 3 Meals)	$450.00	180	Day	**$81,000.00**
Lodging	$4,250.00	9	Month	**$38,250.00**
			Sub Total	**$1,646,910.00**
Facility Remediation				
Supervisor and (3) Technicians	$57,360.00	1	Lump Sum	**$57,360.00**
Equipment	$30,360.00	1	Lump Sum	**$30,360.00**
Consumables	$5,160.00	1	Lump Sum	**$5,160.00**
Transportation and Disposal of Lead Debris	$445.00	30	55-gal Drum	**$13,350.00**
			Sub Total	**$106,230.00**
Surcharges				
Environmental Insurance, Taxes, FSC	3% of Total Invoice			**$524,137.76**
Estimated Total				**$17,995,396.30**

DISCLAIMERS

- The rates and schedule will be based on contract terms agreed upon by both parties.
- The rates and schedule listed in the preceding tables are estimates and subject to change. Fuel costs and surcharges are also subject to change.
- Fuel surcharge for transportation of bulk loads of leaded glass to the landfill in Oregon, OH is currently 24% but subject to change weekly based on national average fuel price. This fuel surcharge is included in our transportation rate to Oregon, OH. This transportation rate is also based on 22 Net Tons minimum for each truck ordered. Additionally, the rate includes 2 free hours load time and 2 free hours unload time. Demurrage will be billed at $125.00 per hour in excess of free load and unload time. Trucks ordered but unused will be billed at 60% minimum load. Overnight layover will be billed at $850.00 per truck if loaded the next day, assuming the truck arrived during scheduled load times. Rejected shipments redirected to an alternate facility will be billed at $3.25 per mile with a $350.00 minimum (this does not included demurrage charges).
- Plastics and scrap metals uncontaminated with lead glass will be either recycled or landfilled. Typically, local plastics and scrap metal dealers will accept this material for free but it depends on the quality and grade of the plastic and metal. Poor grade and low quality uncontaminated metals and plastics will be sent to a non-hazardous waste landfill for $85.00 per ton and $1,850 per load. If this material is contaminated, then our leaded glass landfill transportation and disposal rates will apply.
- The "Consumables" rate under "Facility Remediation" includes the provision of 30 55-gal drums to contain waste along with HEPA vacuum filters and D-Lead Wipes. Additional 55-gal Drums will be billed at $65.00 each.
- For "Facility Remediation." We assume the floor, ceiling beams, and trusses will be clean after being HEPA vacuumed one time. Wet wiping the floors and ceiling items with D-Lead wipes is not included in this proposal or scope of work.
- We estimate that the Facility Remediation will take 16 working days at 10 hours per day on site.
- Labor overtime rates begin after completion of an 8 hour work day. Overtime rates will be charged at standard rate + $15.00/hr
- We are asking for a 20% prepayment before we begin along with 30 day payment terms or less.
- 53ft trailers can transport 18 Ton over the road according to DOT regulations
- The "Panel with Metal" on the inventory sheet is included in the scrap metal tonnage. It makes up 98 ton of the total 258 ton scrap metal estimate. If contaminated our hazardous landfill disposal and transportation rates will apply. If low grade and unable to recycle, our non-hazardous landfill disposal rates and transportation will apply.

EXPECTED RESULTS

This proposal is designed to provide the client with a full-service, turn-key solution to the clean-out of the facility.

Features of the Plan

- Clean-out completed within 180 working days.
- Total cost of project $17,995,396.30
- Comprehensive, full-service, turn-key plan.
- All risk is mitigated through utilization of recycling and disposal options that are heavily permitted

Benefits of the Plan

- Convenience. Minimal participation by client. We provide all necessary people, equipment, materials, transportation, recycling, and disposal downstream vendors.
- Transparency. We will create logs, document repositories, and dashboards that will reflect the project status in real time.
- Sustainability. We will recycle all of the whole CRTs, complete units, projector lamps, scrap plastic, and scrap metal. Only the crushed glass will be disposed of. We will utilize an R2 certified recycler for the whole CRTs and complete units.
- Speed. We will complete the project in less than nine months.
- Experience. Our project team has almost 200 years of combined environmental services experience.
- Peace of Mind. We are using only permitted and heavily vetted partners for work on this project. Each has presented us with audit packages on their facility, certificates of insurance, and we have performed due diligence on each. We are utilizing techniques and technologies that will heavily mitigate any long-term risk of the project.

QUALIFICATIONS

Hazardous waste experts is continually proven to be an industry leader for hazardous waste management, environmental remediation, and emergency response services.

Our unique characteristics include:

- We are extremely experienced management team. Most with over 20 years of hands-on environmental services experience at all levels from branch management to executive management.
- We have very strong partner relationships. We work intensively with a large group of very talented service providers.
- We have a track record of successful jobs, including many highly complex regulated waste projects.

CONCLUSION

This project is right in the center of our business model and service offerings. We have taken great effort to create a comprehensive work plan that will require virtually no involvement by the client. We have selected the most compliant and sustainable solutions within the budget that we were given. We are committed to achieving the timeline that is set forth in the plan. We look forward to working with you on this project and thank you for your consideration.

Eric Apfelbach – President | 608-210-4226 (Office) | 608-576-7549 (Mobile) | eric.apfelbach@hazardouswasteexperts.com
Roy Wimer – Regional Director | 608-210-4211 (Office) | 608-628-5468 (Mobile) | roy.wimer@hazardouswasteexperts.com

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Statement of Qualifications

Overview

I. History
II. Management Team
III. Experience
IV. Qualifications

History

- Founded in July 2012 and headquartered in Madison, WI
- US and Canada market coverage
- Annual revenue of $7 M
- Specialties: Universal Waste, Hazardous Waste, Used Oil, Industrial Services, Spill Response, Medical Waste Disposal, Environmental Remediation
- Custom turnkey solutions for nationwide clients (one-stop shop)

Management Team

- Eric Apfelbach, President and CEO
    - 16 years of CEO experience at both public and private companies
    - BS Chemical Engineering-UW Madison
- Wade Maleck, CFO, CPA
    - 10 years of CFO experience: cash management, financial projections, and GAAP
- Dan Chamberlin, VP Sales and Marketing
    - 26 years with Safety-Kleen: Sales, field services, logistics, project management, safety manager, fleet manager
- Alisha Thompson, Director of Operations
    - 13 years of industry experience: technical director, regulatory compliance
    - Master's Degree in Management, BS in Earth Science-UM Ann Arbor
- Field Team
    - 167 years of combined industry experience

Experience

- >10,000 nationwide waste disposal projects completed
- >2,500 customers served, 50% of projects recur

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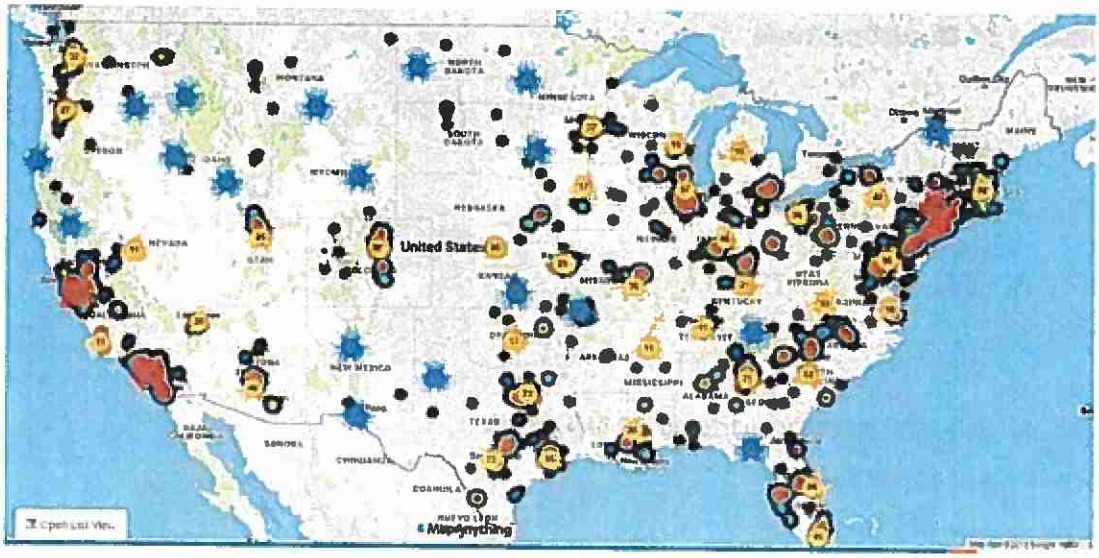
Customer Map



- Example projects
  - E-Waste and universal waste bulk loads
  - Plant decommissions
  - Multi-laboratory chemical lab packing
  - High Hazard waste handling and removal (reactive, explosive, radioactive)
  - Household hazardous waste from donation centers and city collection programs
  - $1.3 M in Department of Defense contracts scheduled for 2017

- Key customers
  - Nike
  - Goodwill
  - Wilbur-Ellis
  - Department of Defense
  - Murphy's Oil

Qualifications

- EPA/RCRA permitted disposal facilities
- Hazardous waste transportation licenses in all 50 states
- OSHA HazWoper 40 HR training for all field technicians
- Certified Hazardous Materials Manager (CHMM)

Wisconsin • Oregon
Texas • New Hampshire

Atwell Group Quote

Customer	Atwell Group
Contact Name	Michael Koenig
Phone	(440) 394-0409
Email	mkoenig@atwell-group.com
Created Date	August 25, 2016
Expiration Date	30 Days

Item Category	Material Specifications	U/M	Pricing
	113,935,844 pounds broken CRT @ $0.11/lb.*	Lbs.	$12,532,943.00
	14,251,529 pounds whole units @ $0.14/lb.	Lbs.	$1,995,214.00
	713 loads (Whole units) @ $710.00/load**	Ea.	$506,230.00
	See notes below:		
		Total:	$15,034,387

*Based on 22% Fuel Surcharge. If Surcharges increase, additional fees may apply. Loading time is based upon 2 hours per load. Demurrage charges may apply in excess of 2 hours.
**Based on 22% Fuel Surcharge. If surcharges increase, additional fees may apply. Based upon 20,000 pounds per load.

Let me know if you have any questions and when would be convenient time to discuss this quotation further.

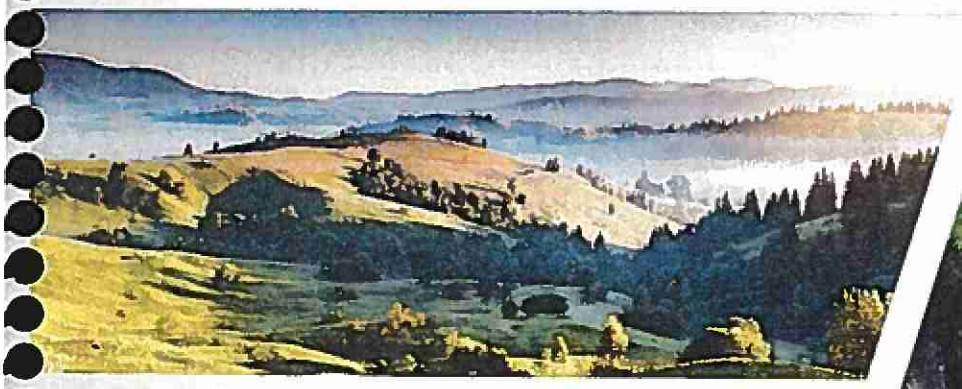
Thank you for your consideration!

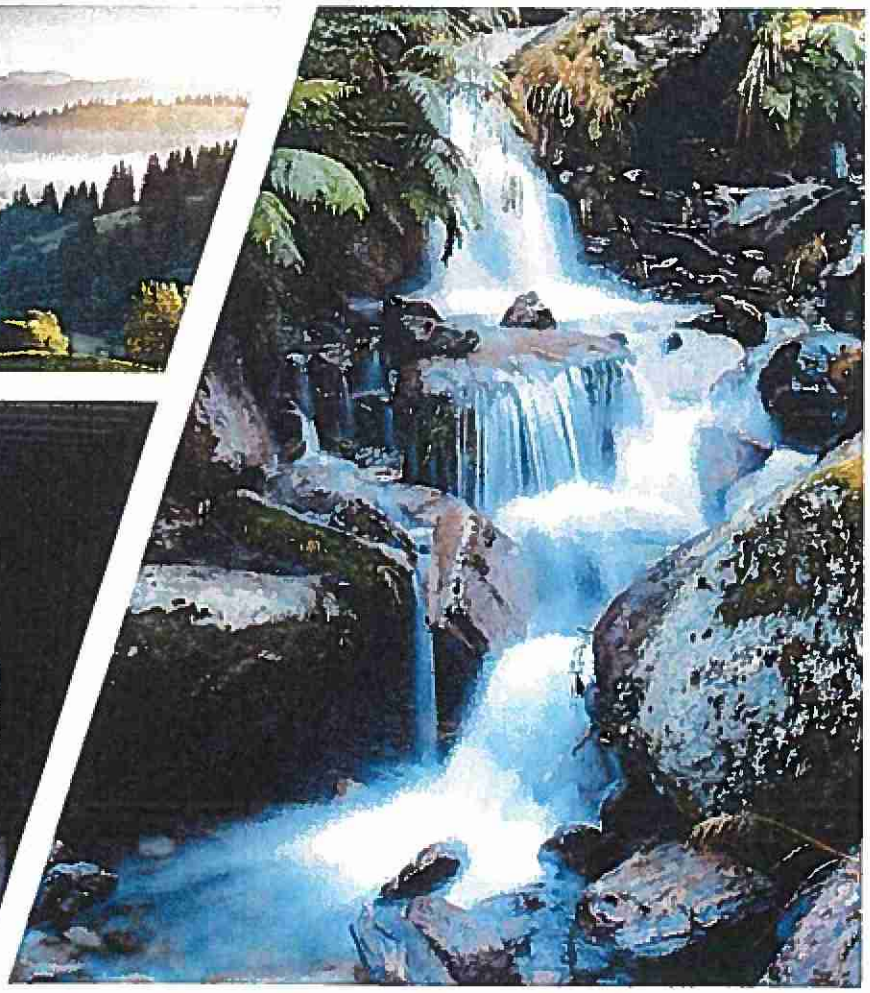
Steve Pfeiffer

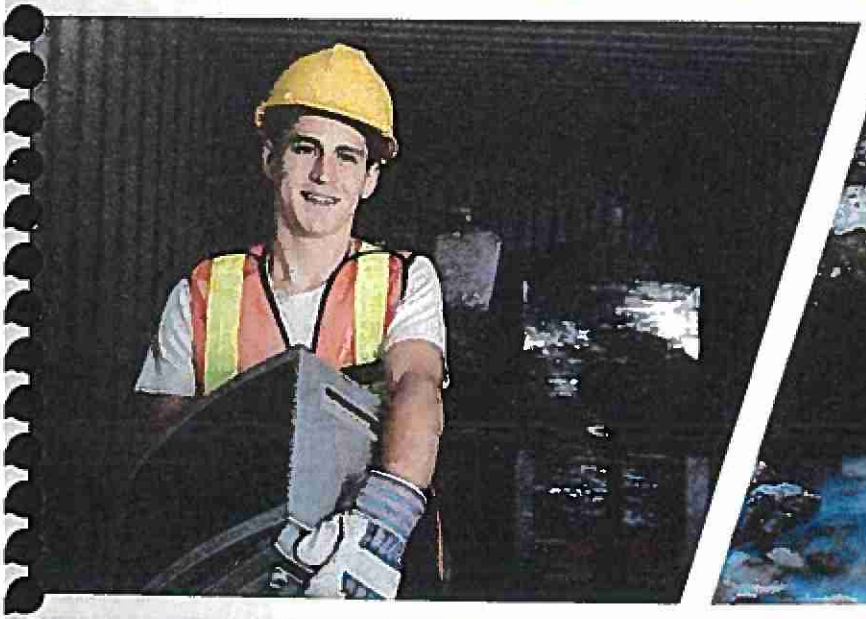
Direct Line: 608-314-8113
Email: spfeiffer@universalrecyclers.com

STATEMENT OF QUALIFICATIONS

Updated // 09.27.16







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ABOUT

As the recycling industry's trusted leader, we provide full-service electronic waste and universal waste recycling to everyone from municipalities and governments to individual consumers. Our complete transparency gives customers the peace of mind to know their materials have been processed exactly as promised.

DOING GREAT THINGS FOR THE RECYCLING INDUSTRY

We're on a mission to become the market leader in electronic and universal waste management. Focused on the innovation of technologies through a commitment to continuous improvement, we exist to serve our customers and the earth. Every day we do our part to protect the earth and the liability of our customers through our ethical, safe and secure recycling processes. Our ethical business philosophy instills trust and delivers unparalleled value to our customers—providing them peace-of-mind knowing that their materials have been processed exactly as promised.

NOBODY HANDLES MATERIAL LIKE WE DO

Our operations excel through rigorous processes which we continually improve to advance the standards of our industry for efficiency, safety and security. Through the deployment of our proprietary recycling systems, our facilities are highly efficient. Our 140,000 square foot headquarters and other supporting locations were designed to handle vast processing capacities efficiently while maintaining the highest standards for safety and security.

SAFETY IS AT THE CENTER OF OUR OPERATIONS

The safety and well-being of our people, our customers and the planet are central to our operations. We understand that we have a cradle-to-grave responsibility and duty to protect the liability of our customers and preserve and ensure the sustainability of our planet. By investing in the training of our people, we educate them to ensure their ability to properly handle all hazardous materials that come through our facilities and operate our systems safely.

WE TAKE SECURITY SERIOUSLY

Our facilities were designed taking every step necessary to keep customer data safe and secure. Unlike other recyclers who outsource services to third-party vendors, our customers' materials stay with us—we manage 100 percent of the process from start to finish. Following strict data protocols and adhering to the stringent standards of NIST, we provide customers peace-of-mind knowing their materials will not leave our secure facilities until they're properly wiped, tested and verified as completely destroyed or refurbished

WE EXCEED STANDARDS

URT takes pride in our home-grown proprietary processes that have earned stamps of approval from our industries top certifying entities. We're a registered collector in every state that we operate and 100 percent compliant with the EPA holding ISO 9001 and e-Stewards® certifications and ISO 14001 compliant as it is encompassed within the e-Stewards® certification. Our certifications ensure consistency and enable us to build and retain strong trusted relationships with our customers.

HISTORY

Since 2003, URT has provided unparalleled service and invaluable innovations to the recycling industry. Inspired by our proud past, we look ahead towards our future with an unwavering and continued commitment to do great things for the recycling industry.

BEFORE URT, CRT

CRT Processing, LLC was formed by Don Seiler and Jim Cornwell in 2003 to process electronic waste *(e-waste)* including cathode ray tube *(CRT)* glass-to-glass recycling. It was one of only a handful in the nation, and the only Midwestern firm, to do so at the time. As an engineer, Seiler designed advanced processing equipment capable of breaking down electronic component parts for safe and responsible recycling. This allowed CRT to process e-waste in-house for its customers, making the company an exceptionally trustworthy partner for big business. With a long and respected career in universal waste management, Cornwell worked with Seiler to develop a vision for the future that included the development of multiple lines of universal recycling services and products.

RAPID EXPANSION

The partnership of these visionary owners set the stage for rapid expansion. In 2007, the company was noticed and then acquired by the Hendricks Holding Co. of Beloit, WI. Hendricks Holding Co. was founded by the late Ken Hendricks and is now owned and operated by his wife, Diane Hendricks. Almost immediately after the Hendricks partnership, CRT Processing acquired Uniwaste Systems in Portsmouth, NH and acquired Environmental Light Recyclers, a fluorescent lamp processing facility in Fort Worth, TX. In 2009, CRT continued to grow, opening a West Coast e-waste processing facility in Clackamas, OR; acquiring Resource Technology, a fluorescent lamp recycling equipment sales and service company; and introducing WasteSecure, a pre-paid pack-and-ship box program for fluorescent lamp and battery recycling.

URT: POISED FOR THE FUTURE

By late 2009, it was clear that CRT Processing, LLC had expanded far beyond the "CRT processing" that first brought it acclaim. With its full-service universal waste recycling service and product lines, it was time for a new name to match the company's expanded mission. In January 2010, CRT Processing, LLC became Universal Recycling Technologies, LLC or URT.

HENDRICKS HOLDING COMPANY

CRT Processing was acquired by the Hendricks Holding Co. in 2007 and subsequently changed its name to Universal Recycling Technologies to reflect the aggressive market expansion supported by its new investment partner. Hendricks Holding Company Inc.*(HHC)*, founded in 2001, is an investment and corporate development group with a diverse portfolio of businesses that span the globe. It has a proven track record of acquiring and developing businesses that have demonstrated a propensity for market-driven innovation. HHC seeks to become long-term partners with exceptional management teams and employees who share its goal of significant long-term growth while simultaneously leaving a lasting and positive impact on the communities in which these companies operate. Founded by Ken and Diane Hendricks and headquartered in Beloit, Wisconsin, HHC has a diverse portfolio of companies in the recycling and sustainability, transportation and logistics, industrial products, real estate, insurance and health care industries (www.hendricksholding.com). With the force of HHC fully behind URT, there are few limits to its future growth and development.

FACILITIES' LOCATIONS & CAPABILITIES

WISCONSIN FACILITY - HDQ

Plant Manager: Randy Call
2535 Beloit Avenue
Janesville, WI 53546
Phone: (877) 278-0799
Fax: (608) 754-3473

WISCONSIN - ASSETS FACILITY

Plant Manager: Randy Call
120 E. Burbank Avenue
Janesville, WI 53546
Phone: (877) 278-0799
FAX: (608) 314-8180

TEXAS FACILITY

Plant Manager: Keith Sheehan
2301 Franklin Dr.
Fort Worth, TX 76106
Phone: (817)-924-9300

NEW HAMPSHIRE FACILITY

Plant Manager: Keith Simpson
61 Industrial Park Drive
Dover, NH 03820
Phone: (603) 422-7711
Fax: (603) 422-7720

OREGON FACILITY

Plant Manager: Robert Gaudinier
10151 S.E. Jennifer Street
Clackamas, OR 97015
Phone: (503) 722-2236
Fax: (503) 722-2322

		Janesville, WI Beloit Ave.	Janesville, WI Burbank Ave.	Clackamas, OR	Dover, NH	Fort Worth, TX
E- WASTE RECYCLING	End-of-life Electronic Processing	✓		✓	✓	✓
	CRT Glass-to-Glass Processing & Cleaning System	✓		✓	✓	✓
	Shredding System	✓				
U-WASTE RECYCLING	Battery Collection & Consolidation	✓		✓	✓	✓
	Fluorescent Lamp Processing					✓
	Fluorescent Lamp Collection & Consolidation	✓		✓	✓	
	Ballast Collection & Consolidation	✓		✓	✓	✓
I.T. ASSET DISPOSITION	Asset Recovery		✓	✓	✓	✓
	Asset Management		✓	✓	✓	✓
	Data Destruction		✓	✓	✓	✓
	Remarketing Programs		✓	✓	✓	✓
COMMODITIES		✓	✓	✓	✓	✓

ELECTRONIC RECYCLING SERVICES

A comprehensive electronic waste recycling program protects our customers from unnecessary complications and costs while improving their business and the environment. With locations across the nation and a history of ethical and responsible business practices. URT offers an unparalleled suite of leading-edge, integrated e-waste services.

END-OF-LIFE DESTRUCTION

Your security and safety is our priority. URT recycles all equipment to its individual commodity components and separates all hazardous materials on-site to meet U.S. Environmental Protection Agency requirements. We offer compliance documentation to eliminate the liability associated with the hazards of electronics. All equipment is handled safely to protect our customers, our employees and our environment.

CRT GLASS RECYCLING

URT's state-of-the art, automated demanufacturing and recycling system provides an effective, economical solution for recycling obsolete monitors and televisions that contain cathode ray tube glass *(CRT)*. Using a glass recycling process that is the preferred method of recycling by state and federal agencies, we sort by type and chemistry to produce furnace-ready cullet. All protocols meet U.S. Environmental Protection Agency regulations, safely processing the glass with no exposure to the environment. The processed, clean glass is reused, eliminating customer liability associated with managing hazardous materials.

RETAIL ELECTRONIC RETURNS

URT's retailer recalls and returns program is specifically designed for retailers seeking a safe and reliable way to handle product recalls and consumer returns. Our extensive knowledge of retail operations ensures our customers the most dependable and efficient program in the nation. From secure shipments to product tracking and disposal, our program provides convenient, comprehensive recycling that improves efficiency and simplifies your business.

LEGISLATIVE MANAGEMENT

URT has assisted OEM's in meeting their legislative requirements since 2007. URT provides recycling nationally and assistance to OEM's with voluntary recycling programs. URT's extensive collector network includes municipal and retail locations across the nation—covering all 50 states—greatly expanding potential and capacity for its customers.

A PROVEN PARTNER

The URT legislative team understands the challenges OEMs face in managing a consistent flow of pounds across various states with differing legislative requirements for accurate reporting and clear visibility. URT partners with its client OEMs to provide competitive costs, consistent pounds and certified recycling capabilities that exceed industry standards.

URT offers shredding capabilities that set it apart from the competition, an experienced legislative team that provide dedicated one-on-one customer services and a national collection network capable of managing OEM legislative needs across the United States.

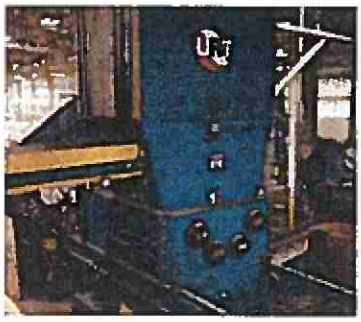
SHREDDING SYSTEM

URT's proprietary "Seiler" separation and shredding system is uniquely designed to handle both whole units and e-waste commodities/components. The system is divided into three stages for maximum effectiveness and recovery:

Stage 1: The Seiler separation system begins with gross separation which allows for the best recovery of plastics, stainless steel and other bulk materials prior to shredding.

Stage 2: The primary shredder is a hydraulic shred system designed to reduce the size of metals and circuit board materials for further separation and recovery. After shredding, the processed material moves through a series of magnets to recover ferrous metals. The remaining processed material proceeds through an Eddy Current separator to remove non-ferrous metal from the stream prior to further reduction.

Stage 3: The material then enters a secondary shredder designed to further reduce material size and liberate additional ferrous and nonferrous metals, and the material again flows through series of magnets to further remove ferrous metal content. In the final step, the circuit board containing items are recovered.



ASSET MANAGEMENT

URT can help you maximize the return on your IT investment by capturing the remaining value of your assets. Our trained experts seek the highest value available for your equipment and share the true worth of obsolete electronics submitted for refurbishing. We identify equipment that can be refurbished, harvest valuable component parts, and then use our in-depth knowledge of the secondary market to turn your obsolete electronics into revenue. This is accomplished while adhering to the strictest data security protocols in the business by a third party vendor, e-Stewards®, to eliminate risk and protect your investment.

URT provides its customers with best-in-class asset management and recovery services while ensuring confidentiality and data security. URT pledges to maximize its clients return on investment in information technology by capturing the remaining value of IT assets.

- URT's trained experts seek the highest value available for equipment and share the true worth of obsolete electronics submitted for refurbishing.
- URT adheres to the strictest data security protocols in the business to eliminate risk and to protect client's environmental and data security liability.
- URT is ISO 9001, ISO 14001 and e-Stewards® *(www.ban.com)* certified and ISO 14001 compliant as it is encompassed within the e-Stewards® certification. URT is a member of the National Association for Information Destruction *(NAID)* and International Association of Information Technology Asset Managers *(IAITAM)*.

ASSET PROCESSING

URT professionals manage each shipment based on individual industry and customer requirements. Every piece of equipment containing data is processed first in URT's on-site data security department to ensure that all data destruction is completed in a secure environment. URT asset employees undergo a stringent background review process to ensure client security. Equipment is cleaned, tested and electronically wiped to remove personal and proprietary data. All corporate identification is removed prior to remarketing. All assets are processed in accordance with the strictest security protocols that meet state and federal regulations and recommendations, including U.S. Department of Defense and National Institute of Standards and Technology requirements.

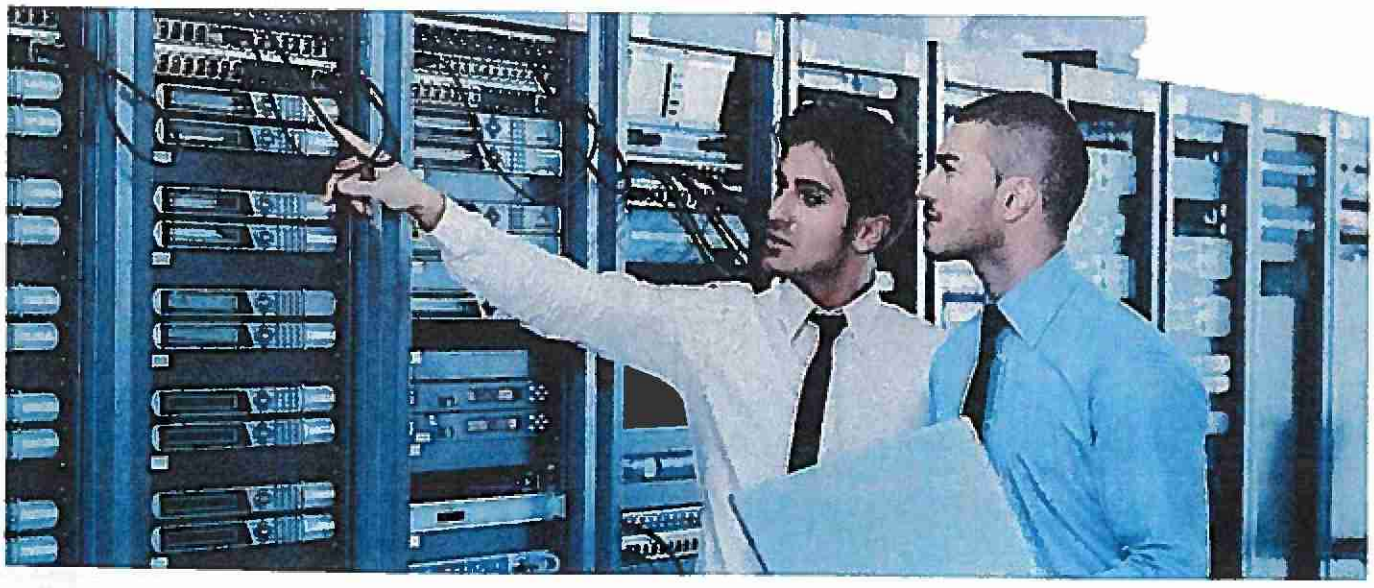
ASSET MATERIAL MANAGEMENT PROCESS

Materials entering the URT asset material flow are triaged utilizing URT Triage Guidelines. The Operations Team works in partnership with URT Sales to review and/or update the Triage Guidelines when the market changes demand it. Materials may receive one of three dispositions available:

1. Asset = Material follows URT's Asset Recovery Service work instruction. This service attempts to refurbish, recover and return a portion the item's value to its original owner. Successful items result in resale. Failed items are reclassified to non-asset.
2. Non-Asset = Material follows URT's Non-Asset Recycle process. This allows the item to be dismantled into resalable commodities for downstream vendors.
3. Special Projects = Special project items follow the unique, required steps provided by a customer and detailed on a URT Special Project form. URT employees assigned to special projects receive supplemental training to support unique needs.

RETAILER ELECTRONIC RETURNS

URT's retailer recalls and returns program is specifically designed for retailers seeking a safe and reliable way to handle product recalls and consumer returns. Our extensive knowledge of retail operations ensures our customers the most dependable and efficient program in the nation. From secure shipments to product tracking and disposal our program provides convenient, comprehensive recycling that improves efficiency and simplifies your business.



LIFE CYCLE MANAGEMENT

URT is trusted partner able to assess and inform its clients' strategic information technology planning.

- **Asset tracking:** Through its infinity chain of custody, which protects clients' sensitive data from pick up through destruction and beyond, URT, provides secure processing. Inventory is reported by item class, brand, model and serial number support. A transparent grading scale ensures that recovered items receive the appropriate rating and customers remain fully informed.
- **Data destruction:** URT utilizes DoD and NIST certified sanitization processes and offers state-of-the-art, on-site shredding capabilities. Please see "Data Destruction" and "Shredding Services" for additional detail.
- **Redeployment and disposal management**: URT assists with remarketing whole units and components. As an e-Stewards® recycler, URT adheres to the highest standards of responsible recycling in the industry today. This protects its customers' confidential information—and their overall brand—in a way that lesser requirements cannot guarantee.
- **Retailer return program:** URT's retailer recalls and returns program is designed specifically for retailers seeking a safe and reliable way to handle product recalls and consumer returns. URT's extensive knowledge of retail operations ensures customers an efficient, dependable and convenient program created with the needs of the retail industry foremost in mind. The program provides secure shipments, detailed product tracking, convenient reporting and comprehensive recycling/disposal that improve efficiency.

REVENUE OPTIONS

URT can purchase used equipment outright or share revenues for asset remarketing on a percentage basis when equipment is refurbished and sold. URT's knowledge of the secondary market supports accurate assessments to maximize value, helping customers recover a portion of the capital invested in information technology. Working in partnership, URT attains the common goal of environmentally responsible management of customer assets.

IT ASSET DISPOSITION SERVICES

URT is a full-service IT asset disposition and equipment recycler. Our experience providing secure collection, transportation, data destruction, and proper recycling enables us to assist customers across industries with their equipment processing and recycling needs. Our goal with every customer is to help them turn their obsolete electronic and computer assets into revenue.

URT pledges to maximize its clients return on investment in information technology by capturing the remaining value of IT assets. URT can inform strategic IT purchases, retire equipment in compliance with the strictest industry standards by a third party vendor, e-Stewards®, ISO 9001:2008, and ISO 14001:2004, and help clients capture the maximum remaining value of retired assets.

TURNING OBSOLETE ASSETS INTO REVENUE

URT helps their customers maximize the return on their IT investment by capturing the remaining value of their assets. URT's asset management program begins with logistics management-collecting and recording each item into their personal customer site and securing items for transport to URT processing centers.

ASSET MATERIAL MANAGEMENT PROCESS

Upon arrival at a URT processing center, our receiving process captures and records the platform, make, model and serial number, accompanied by the item count and weight count, using bar-code scan technology for accuracy and simplicity.

Our ITAD professionals then identify any equipment that can be refurbished, as well as identifies and extracts component parts from equipment that retains value and can be remarketed using URT Triage Guidelines. Under these guidelines, materials may receive one of three dispositions available:

Asset: Material follows URT's Asset Recovery Service work instruction. This service attempts to refurbish, recover and return a portion of the item's value to its original owner. Successful items result in resale. Failed items are reclassified to non-asset.

Non-Asset: Material follows URT's Non-Asset Recycle process. This allows the item to be dismantled into resalable commodities for downstream vendors.

Special Projects: Special project items follow the unique, required steps provided by a customer and detailed on a URT Special Project form. URT employees assigned to special projects receive supplemental training to support unique needs.

ASSET PROCESSING

We're the industry's responsible partner. Every piece of equipment that comes to our facilities containing data is processed first in URT's on-site data security department to ensure that all data destruction is completed in a secure environment. Our data destruction processes were designed to process assets in accordance with the strictest security protocols that meet state and federal regulations and recommendations, including U.S. Department of Defense and National Institute of Standards and Technology requirements and remarketing expertise

While URT often purchases used equipment outright from our customers for processing, we also offer shared revenue programs for asset remarketing. URT's trained experts seek the highest value available for equipment and share the true worth of obsolete electronics submitted for refurbishing. Our knowledge of the secondary market supports accurate assessments to maximize value, helping customers recover a portion of the capital invested in information technology.

RETAILER RETURN PROGRAM

URT's retailer recalls and returns program is designed specifically for retailers seeking a safe and reliable way to handle product recalls and consumer returns. URT's extensive knowledge of retail operations ensures customers an efficient, dependable and convenient program created with the needs of the retail industry foremost in mind. The program provides secure shipments, detailed product tracking, convenient reporting and comprehensive recycling/disposal that improve efficiency.

DATA DESTRUCTION

URT's data security and destruction services prevent the accidental or illegal use of sensitive information, such as client data, financial and employee records. URT provides specialized services for all types of systems and can satisfy virtually any destruction need.

- URT offers hard drive destruction capacity across multiple locations.
- All hardware is secured until every trace of data—confidential, proprietary or otherwise—is destroyed.
- URT's comprehensive data destruction system complies with federal laws and regulations.
- URT eliminates customer liability by offering a completed certificate of destruction documenting the entire process
- URT's detailed asset disposition and reporting service tracks each hard drive or other electronic media, including hard drives pulled from machines, through the destruction process.
- URT provides the most thorough reporting in the industry for demonstrating compliance with privacy rules. Inventory system offers online portal to view processing and reporting information.

We handle our customers' data destruction in the same manner that we handle our own—effectively and expertly—cleaning confidential data and specifying the entire process to our client. We understand security and liability are top-of-mind for our customers. We eliminate client liability by offering a completed certificate of destruction documenting the entire process—bringing them peace-of-mind that their business and brand are protected.

COMPLETE COMPLIANCE

Adhering to strictly documented and controlled information security procedures and protocols, each unit URT receives is tracked and logged, and customer identification tags are removed as part of asset recovery. Then, based on customer requirements or triage disposition, URT determines the most appropriate data destruction method. Ultimately, our processes go above and beyond to protect our customers' sensitive data and comply with all federal laws and regulations, including:

- The Federal Privacy Act
- The Health Insurance Portability and Accountability Act *(HIPPA)*
- U.S. Department of Defense & National Security Agency requirements for purging classified information on magnetic disk and tape media.
- Gramm-Leach-Bliley Act requirements for device and media control policies that govern the receipt and removal of hardware and electronic media *(including disposal, media reuse and accountability)*.
- In addition, the URT Shield Data Sanitation and Hard Drive Destruction Security Process safeguards our customers' private, protected information and their brand. We offer:
- Full indemnity against risk
- Indemnification for privacy and environmental liability
- e-Stewards® certified recycling
- Certified environmental compliance

REMARKETING EXPERTISE

URT's trained experts seek the highest value available for equipment and share the true worth of obsolete electronics submitted for refurbishing. URT intake specialists identify equipment that can be refurbished, harvest valuable component parts and apply our in-depth knowledge of the secondary market to turn obsolete electronics into generous shared revenue.

- On-site white glove destruction *(serialized and auditable)*
- Secure transport to a URT facility near you
- Materials inspection and sorting by type and value *(serialized and auditable)*
  - Expert refurbishment an resale
  - On-site parts harvesting
  - e-Stewards® certified recycling

COMPREHENSIVE SERVICES

URT can expertly handle all manner of data-bearing and electronic materials, including equipment beyond the desktop, from data center and networking devices to telecom equipment. As an integrated service provider, URT is a true one-stop shop, offering on-site recycling with advanced shredding technology and universal waste *(bulbs, ballasts, batteries)* recycling.

URT SHIELD DATA SECURE GUARANTEE

The URT Shield data sanitization and hard drive destruction security process safeguards your private, protected information and your brand. This fully auditable process offers:

- Full indemnity against risk
- Indemnification for privacy and environmental liability
- e-Stewards® certified recycling
- Certified environmental compliance

We handle your data destruction in the same manner that we handle our own—effectively and expertly—cleaning confidential data and specifying the entire process to our client. We eliminate client liability by offering a completed certificate of destruction documenting the entire process.

URT asset recovery services provide return on investment that translates into reinvestment, helping your company achieve its maximum potential

DATA SECURITY SERVICES

URT's data security and destruction services prevent the accidental or illegal use of sensitive information, such as client data, financial and employee records. URT provides specialized services for all types of systems and can satisfy virtually any destruction need:

- URT offers hard drive destruction capacity across multiple locations.
- All hardware is secured until every trace of data—confidential, proprietary or otherwise—is destroyed.
- URT's comprehensive data destruction system complies with federal laws and regulations.
- URT eliminates customer liability by offering a completed certificate of destruction documenting the entire process.
- URT's detailed asset disposition and reporting service tracks each hard drive or other electronic media, including hard drives pulled from machines, through the destruction process.
- URT provides the most thorough reporting in the industry for demonstrating compliance with privacy rules. Inventory system offers online portal to view processing and reporting information.

URT's comprehensive data destruction system is guaranteed to comply with federal laws and regulations, including the Federal Privacy Act, the Health Insurance Portability and Accountability Act *(HIPPA)* and state legislation. Going above and beyond to protect customers' sensitive data, URT meets:

- U.S. Department of Defense & National Security Agency requirements for purging classified information on magnetic disk and tape media. For many years, the Department of Defense *(DOD)* standard for data eradication was directive 5220.22-M. Today, the National Institute of Standards and Technology *(NIST)* has defined further eradication standards referred to as NIST 800-88, providing for both "clear" and "purged" data. URT processes meet all requirements, including DOD standards and NIST's purge rating, the highest level of security acknowledged by the NIST.
- Gramm-Leach-Bliley Act requirements for device and media control policies that govern the receipt and removal of hardware and electronic media *(including disposal, media reuse and accountability)*.

URT adheres to strictly documented and controlled information security procedures and protocols. Each unit URT receives is tracked and logged, and customer identification tags are removed as part of asset recovery. Then, based on customer requirements or triage disposition, URT determines the most appropriate data destruction method: electronic data removal through sanitization software or physical destruction via shredding.

AUDIT SANITIZATION SOFTWARE

Audit sanitization software is completed via an Acronis Drive Cleanser 6.0 manufactured by Acronis Inc. The square root of each day's process is sampled daily for audit.

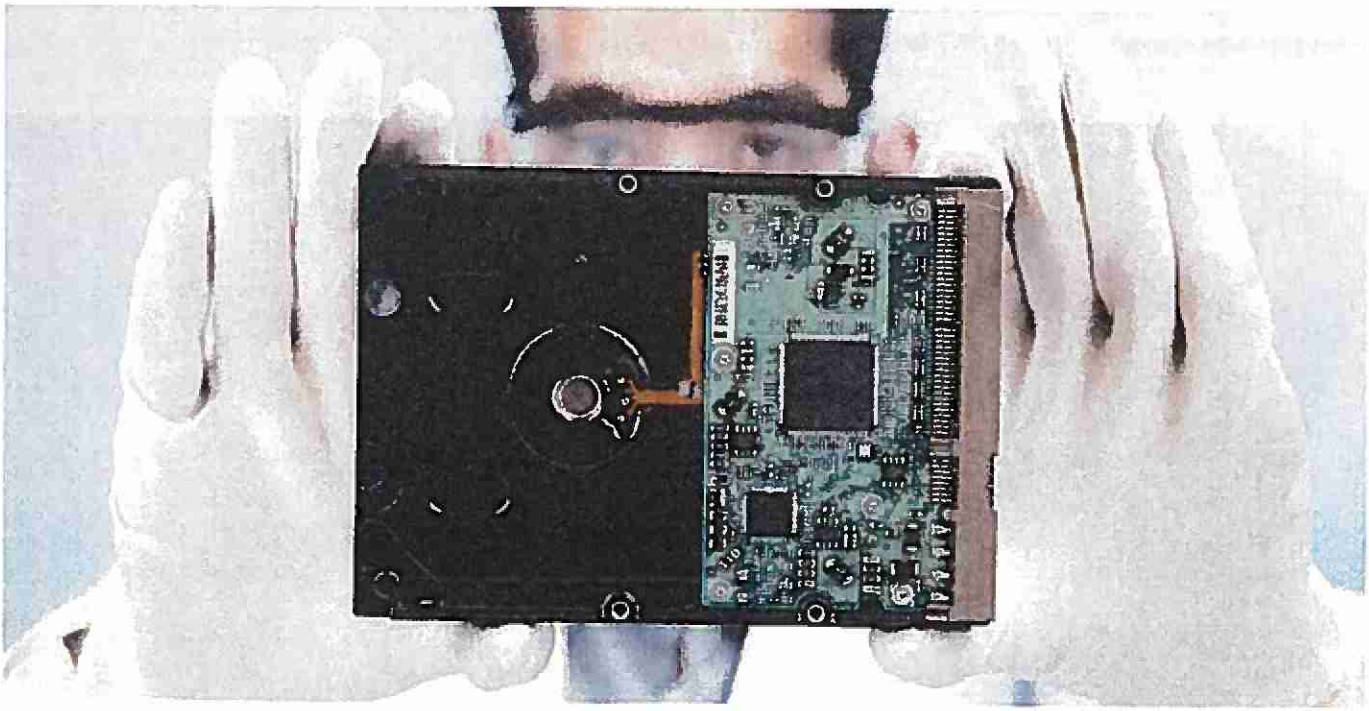
DOCUMENTATION

Documentation per customer requests will be recorded on a Certificate of Recycling, Certificate of Erasure, or Certificate of Destruction.

ELECTRONIC DATA SANITIZATION

Electronic data sanitization software is completed via Blancco Server Edition software manufactured by Blancco Oy Ltd.

- Blancco is an approved disk sanitizing solution by the U.S. Department of Defense that wipes hard drives at the DoD 5220.22-M standard featuring multiple overwrites, random characters and write verification.
- Blancco's Management Console creates comprehensive data erasure reports automatically detailing each hard drive serial number that is sanitized. A digital signature or 'fingerprint' evidencing wipe will be left on each hard drive.
- Standards of compliance include:
  - DoD 5220.22-M
  - HMG IS5 Baseline
  - HMG IS5 Enhanced
  - Canada Ops-II
  - US Army AR380-19
  - US Air Force 5020
  - German VSITR
  - NAVSO P-5239-26
  - NCSC-TG-025
  - Russian GOST P50739-95



COMMODITY SERVICES

With in-house shred capabilities and strategic partnerships with smelters and similar downstream processors, URT acts as a trusted partner for recycling companies, recycling material collectors and other similar organizations seeking a commodity solution. URT accepts a wide range of commodity materials at a competitive market rate. Rates are typically assessed and updated weekly.

URT commodity customers are individually approved on an ongoing basis, after having completed a vendor agreement contract, third-party downstream vendor application, credit application and certificate of insurance. Once approved, proof of insurance and third-party provider forms must be updated and submitted annually.

COMMODITY QUALITY STANDARDS

URT Commodity Quality Standards are established by URT's Commodities Management Team utilizing current facility capabilities and as per customer requirements. Quality Standards for commodities are documented in a controlled file available to URT employees for reference.

The Quality Standards shall include, but are not limited to, guidelines and visual aids that define the minimum acceptable level of materials for shipment to URT's Downstream Vendors. Materials not meeting the established minimum acceptable levels can be shipped only with prior written approval from the Downstream Vendor or by upgrading/reworking materials to the minimum acceptable level. Sample loads may be shipped to vendors as a benchmark for new products or new Downstream Vendors.

The URT Quality Management Representative approves all commodities shipped from URT facilities and approval of a commodity quality standard is communicated to the URT ISO Coordinator, and then to the URT Plant Manager, through a standardized ISO-approved process. URT Plant Managers at each facility then have one week to implement the new quality standard for current or in-process materials. Shipment of in-house material after the implementation date must meet the new Quality Standard.

The URT Quality Management Representative has the authority to stop shipments of any or all commodities that do not meet approved standards from all URT facilities.

UNIVERSAL WASTE RECYCLING SERVICES

URT provides nationwide collection and recycling for all types of universal waste including lamps, batteries, mercury-containing devices, lighting ballasts and more. Because of the dangerous and toxic materials contained in these products, proper recycling is both required and mandated by various state and federal agencies. With URT, you can rest assured that your products will be recycled responsibly, conveniently and in a competitive manner that meets and exceeds every compliance standard. Our in-house recycling process provides our customers with added confidence that every requirement is attended to without fail.

Multiple state-of-the-art facilities allow URT to process huge volumes of product daily, ensuring customers avoid costly and inconvenient delays. URT has a combined 50+ years of experience handling hazardous materials. Processing capabilities include *(but are not limited to)*:

Fluorescent Lamps :

- Straight, U-Bend and Circular
- Shatter Resistant
- Ultra Violet
- High Intensity Discharge
- Metal Halide
- High Pressure Sodium
- Compact Fluorescent Lamps (CFLs)

Batteries:

- NiCad *(Nickel Cadmium)*
  - Mercury Oxide
  - Silver Oxide
  - Alkaline
  - Lithium Metal & Hydride
- Nickel Metal Hydride
  - Lead Acid

OUR PROCESSES

With URT our customers can rest assured knowing that their products will be recycled responsibly, conveniently and in a competitive manner that meets and exceeds every compliance standard. With multiple state-of-the-art facilities. we're structured to process huge volumes of product daily so that our customers avoid costly and inconvenient delays. Our in-house recycling process provides our customers with added confidence that every requirement is attended to without fail.

FLOURESCENT LAMP RECYCLING

Today's energy efficient fluorescent lamps are ever-present and provide many environmental and efficiency benefits. However, they must be recycled properly and in accordance with local, state, federal and industry guidelines. URT provides full-service and comprehensive lamp recycling services that ensure our customers' lamps will be recycled quickly, safely and in full compliance with all requirements.

Upon receipt of boxed lamps, URT personnel opens each box and take an item-by-item inventory count of lamps. Broken lamps are segregated from intact lamps, weighed, and immediately contained in the lamp processing area to prevent spread of mercury-contaminated materials. Once sorted, lamps are transported to URT's Fort Worth, TX or Dover, NH facility for final processing.

BATTERY RECYCLING

Batteries contain multiple corrosive materials that pose a liability and make proper disposal imperative. URT's full-service and comprehensive battery services recycle batteries quickly, safely and in full compliance with all local, state. federal and industry requirements.

Batteries accepted for processing or transport are sorted by type and contained in drums for transport and storage. Upon

receipt of battery shipments, URT personnel inspect, weigh and temporarily store as universal waste for transport to the batteries' final recycling destination.

BALLAST RECYCLING

The Environmental Protection Agency banned the manufacture of all lighting ballasts using PCBs in 1978. Today, both PCB-containing and non-PCB ballasts are regulated by various agencies to ensure proper recycling. URT provides full-service and comprehensive lighting ballast recycling services. We provide our customers peace-of-mind knowing their materials will be recycled quickly, safely and in full compliance with all local, state, federal and industry requirements. Upon receipt, fluorescent lighting ballasts and drums are opened, inspected and sorted to ensure that potentially PCB-containing ballasts are accounted for. The materials are then consolidated and sent to a downstream processor.

MERCURY-CONTAINING DEVICES

Mercury is found in many devices critical to business processes. yet it Is highly toxic and requires great care during disposal. URT provides full-service and comprehensive recycling services for all types of mercury-containing devices. Our experience managing recycling programs for this highly regulated substance is unparalleled.

WASTESECURE (CONVENIENT PREPAID MAIL-BACK PROGRAM)

Through URT's WasteSecure® program, prepaid pack-and-ship boxes are available to simplify the process of transporting used items to URT for recycling. Scalable, compliant, documented programs that include options such as regularly scheduled nationwide pick-ups and private label branded recycling boxes help our clients select a custom recycling solution that meets their every need. Our exceptional customer service and convenient, reliable programs simplify your recycling efforts and assure complete compliance.

- Nationwide service
- One-stop shopping
- Web-based tracking and reporting
- All-inclusive pricing
- Certificates of Compliance via email
- Easy-to-follow instructions
- English and Spanish language
- Private label programs available

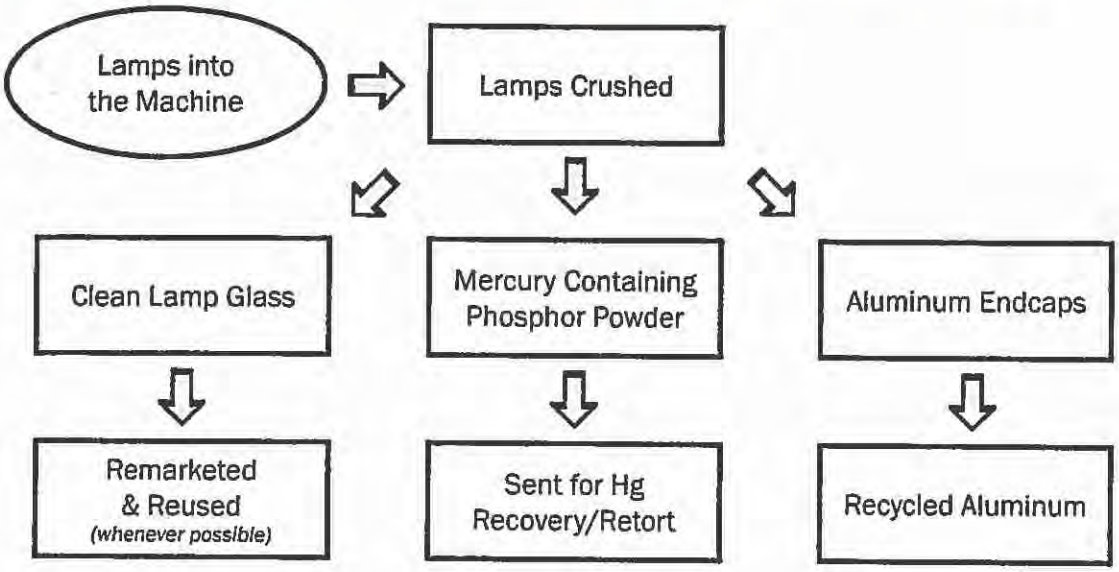
LAMP RECYCLING EQUIPMENT

URT is the world's leading manufacturer and supplier of fluorescent lamp recycling systems. URT's lamp recycling systems have set a new standard for simplicity, safety and recycling efficiency. Every model is fully computerized to provide turnkey startup and ongoing operational safeguards. URT offers recycling systems for all types of lamps including:

- Compact Fluorescent Lamps *(CFLs)*
- High Intensity Discharge Lamps *(HIDs)*
- Shatter Resistant Lamps

RECYCLING PROCESSES

LAMP RECYCLING PROCESS:
RESOURCE TECHNOLOGIES INCORPORATED (RTI) LSS1 LAMP PROCESSING MACHINE



URT is registered with the Texas Commission of Environmental Quality and the U.S. Environmental Protection Agency as a recycler of mercury-containing lamps. The company is approved to operate under recycling exemptions per 40 CFR, part 261c and 30 TAC Section 335.

Upon receipt of boxed lamps, URT personnel open each box and take an item-by-item inventory count of lamps. Broken lamps are segregated from intact lamps, weighed, and immediately contained in the lamp processing area to prevent spread of mercury-contaminated materials. URT accepts delivery of lamps directly from customers using their own vehicles or third party transportation services. Lamps transported from customer sites to the recycling facility by URT are recorded and shipped using a standard shipping document. The company uses no third party storage for lamps waiting for processing.

Waste lamps are processed inside the negative air pressure environment of our proprietary Modified LSS1 lamp processor that was designed and built by the URT team. The Model LSS1 Lamp Recycling System sets a higher standard for simplicity, safety, and recycling efficiency.

The Model LSS1 can process over 4,000 lamps per hour with virtually no fugitive emissions, and is capable of processing straight, circular, and U-shaped fluorescent, bulbs and lamps. The glass and metal is air-cleaned and mechanically separated. Glass and metal components are ejected from the processor and collected in boxes for immediate reuse. The calcium phosphate powder and mercury mixture is deposited in sealed 55-gallon barrels and sent for Mercury recover/retort. URT is registered as a large quantity generator (LQG) of mercury contaminated powder. Materials recovered from our lamp recycling process, e.g., lamp glass, lamp metals, and cardboard are all recycled through various glass, metal, and paper recycling companies.

BALLAST PROCESS

Upon receipt, fluorescent lighting ballasts and drums are opened, inspected, and sorted to ensure that potentially PCB-containing ballasts are accounted for. The materials are then consolidated and sent to a downstream processor.

BATTERY PROCESS

Batteries accepted for processing or transport are sorted by type by the generator, and contained in drums for transport and storage. Upon receipt of battery shipments, URT personnel inspect, weigh, and temporarily store as universal waste for transport to the batteries' final recycling destination.

ELECTRONIC WASTE HANDLING/RECYCLING PROCESS

Upon receipt electronic waste is delivered to the E-Waste warehouse to be staged for disassembly. If required, all data containing equipment will be sorted, handled appropriately, and stored in a secured designated area. All the electronic waste will be evaluated for parts recovery, recycled or disposed of as product, commodities or energy recovery.

1.) Receiving Process:

- All inbound shipments are scheduled through the customer service department.
- Upon confirmation of shipping date, a sales order will be issued to the customer. No shipments will be received without a sales order.
- Upon delivery, the sales order will be matched to the corresponding shipping papers *(BOL)*, as well as a visual inspection of the shipping load.
- Upon approval of the load and corresponding sales order, shipping papers will be signed, and materials will be considered received by processing facility. Universal Recycling Technologies, LLC reserves the right to reject any part or all of incoming loads based on non-conforming materials.
- Upon receipt, each container will be assigned a distinct bar code and labeled to be tracked throughout the process system.
- Following the assignment of the tracking code, each container will be weighed and/or units counted to confirm quantities of units per container.
- Once unit quantities are confirmed, containers will be either staged for processing or delivered to the storage area.
- Shipping paperwork will be delivered to the office for order entry and invoicing.

2.) Sorting Process:

- Materials received will be sorted into like categories whenever possible.
- Sorting of the materials and equipment will be based on equipment type, customer requirements, size of unit, or further evaluation criteria.
- All data containing equipment will be sorted and sent directly to the secure data processing area.

3.) Disassembly Process:

- Upon delivery to the disassembly area, each unit will be transported or conveyed to disassembly stations. Each station will be equipped with tools adequate to completely strip each unit.
- Upon removal of the plastic casing, the CRT will then be separated from the framework, and the framework and circuitry will be placed on a conveyor or appropriate container for further processing or outbound shipment.

Completely stripped of hardware, the CRT is placed onto the conveyor system which stages the CRTs for further separation in the glass processing system. These tubes are sent to URT's Janesville, WI facility for final processing and recovery.

PROCESS REQUIREMENTS

SCHEDULING PROCESS REQUIREMENTS

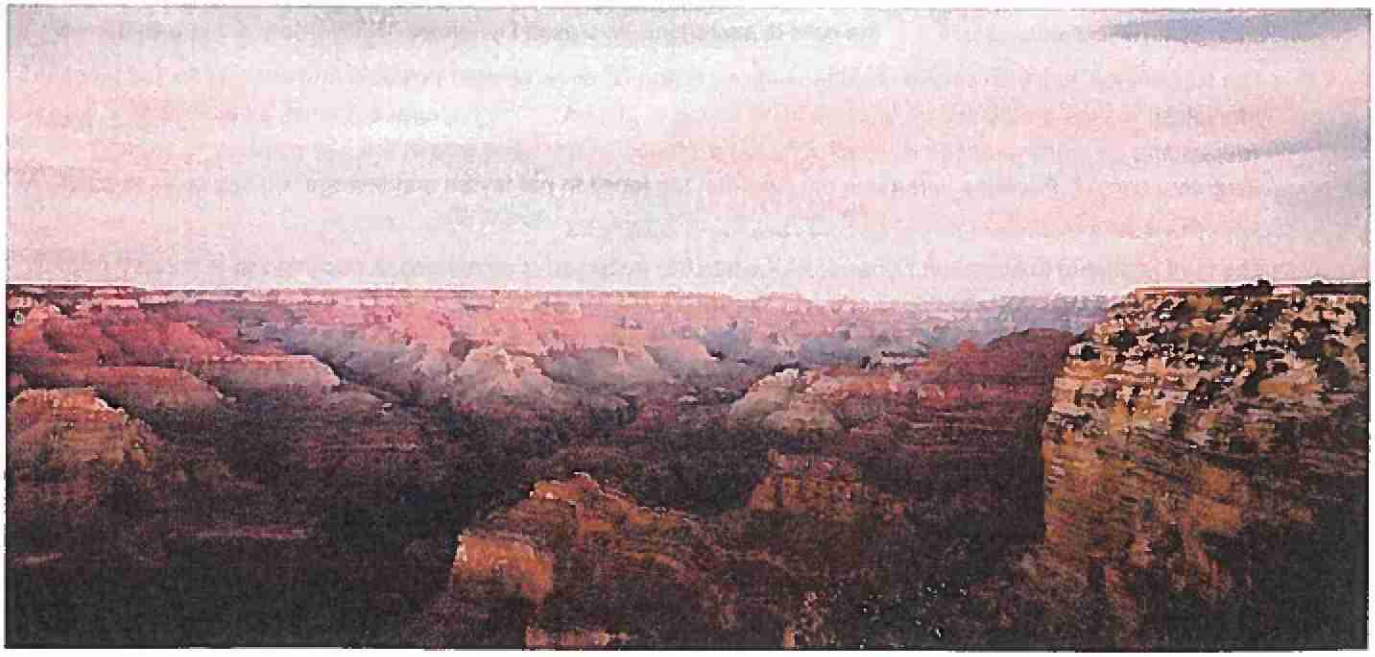
- The URT Business Relations Specialist, BRC, *(or designee)* receives a service request from a sales associate or a customer via telephone (877) 278-0799, email customerservice@URTsolutions.com or fax (608) 754-3473.
- If the facility receives a customer request, the information is forwarded to the BRC.
- Utilizing URT facility's receiving calendar, a customer pick up or drop-off is scheduled based on available openings and an appointment is made to receive material. For EOL *(End-of-Life)* processes, the receiving calendar is available via Intranet or printed copy for the next day shipments.
- Shipping instructions are detailed on the purchase order created by the BRC.
- If a delay or rescheduling occurs, the Scheduling Team *(or designee)* communicates any changes in the schedule to the BRC and receiving department *(via email or in person)*. Any customer-arranged transportation delivery delays are communicated to the BRC *(or designee)* and rescheduled as the facility receiving schedule allows.

RECEIVING PROCESS REQUIREMENTS

- All incoming material is delivered to the URT receiving dock. A bill of lading document identifying the general material in the load is provided by carrier or manifest to the facility.
- The receiving forklift operator unloads the trailers, weighing each container on the floor scales. Delivery bills of lading are given to the receiving clerk for processing.
- Material is identified by type of material. The purchase order number that accompanies the bill of lading or manifest should match the purchase order number on the daily pickup list or receiving calendar.
- If the bill of lading has estimated or actual weights, the Receiving Clerk adjusts for any differences on the customer copy. The Receiving Clerk inputs the actual scaled weight and posts the data into Microsoft Dynamics AX inventory. Additionally, if materials received are bulbs or lamps, total counts are added by number and size of each item *(where applicable)*, and the data is posted into Microsoft Dynamics AX inventory along with the weight.
- The Receiving Clerk will remove or deface any incoming labels whenever possible and accessible. Lot label identification tags are placed on all skids. This lot tag is placed on the top right or top left side of the box *(depending on placement into the bay)*. The tag is placed on the open side of the bay walkway to support inventory control. Facilities determine the common tag location per layout and storage requirements at each location.
- The load is posted in Microsoft Dynamics AX when the truckload is completed. A packing slip is created from Microsoft Dynamics AX. One copy of the customer bill of lading is retained by the receiving clerk and the remaining copies are given to the truck driver.
- The packing slip and the customer bill of lading are placed into the production office box for the BRC, Operations staff, or designee. Every bill of lading is reviewed for discrepancies in weight or material type reported by the Receiving Clerk. The originals are scanned at the receiving facility into AX Microsoft Dynamics within 24 hours of receipt. Discrepancies are forwarded via email to the BRC for customer notification.

INVOICING PROCESS REQUIREMENTS

- After materials are received, the Receiving Shipping Clerk provides the signed documents and backup detail *(known going forward as "paperwork")* to the Business Relations Coordinator *(BRC)* or designee assigned to their facility.
- The paperwork should consist of, but is not limited to, a signed bill of lading and customer inventory sheet. Once the paperwork is received by the BRC, the purchase order *(or internal packing slip in AX)* is compared to the external, signed bill of lading and customer inventory sheet *(if provided)*.
- Materials received will fall under three categories: Consumer, Business to Business, Assets.
    - Covered materials are invoiced to the manufacturers or collector under state program guidelines as designated by the Sales Department.
    - Business to Business materials are billed to the customer as defined in their agreement. Asset ma materials are billed to the customer as defined in their agreement.
- Once the paperwork has been inspected and, if necessary, adjusted, the BRC invoices the customer for business to business materials and covered material if necessary. National Accounts Specialist will bill manufacturers, and other national accounts either once or twice a month depending on the agreement made.
- The date of the invoice is the date on the URT packing slip/last receipt date *(actual date the material was received or, in the case of consumer materials, the 15th or the last day of the month per agreements with manufacturers. Other national accounts that are billed on the last day of the month per contract agreements)*.
- For non-covered materials, sales orders are invoiced with three business days of the receipt of the paper work, unless the BRC discovers discrepancies and has contact the customer for clarification or corrective action.
- A Certificate of Recycling is created after the material has been received. The certificate references the received materials.
- The invoice and certificates are mailed/emailed out to the customer or manufacturer once completed.



SAFETY & TRAINING

URT and its staff are committed to the protection of the environment, to meeting customer expectations and to promoting the health and safety of its personnel and operations.

The executive management team ensures that this commitment remains the highest priority and that the processing of equipment is completed under strict quality controls in an environmentally friendly, healthy and safe manner.

The executive management team ensures to the best of its ability that all vendors for downstream materials adhere to the same environmental and quality standards and protections as URT. All URT buyers, purchasers and downstream vendors are expected to protect the environment of developing countries by following good product stewardship guidelines.

URT is committed to:

- Continual improvement, prevention of pollution and the prevention of injury and ill health.
- Complying and exceeding all legal and other requirements, including the Basel Convention, Basel Amend Amendment, OECD Decisions and national laws of import and export countries.
- Monitoring its Environmental, Quality, Health and Safety objectives and targets, and continually improving its management system.
- Managing hazardous e-waste materials throughout the recycling chain to final disposition with due diligence to protect the environment and worker health.
- Social accountability values, including the prohibition of prison and minor labor.
- Educating its customers on data security issues and protecting their data throughout the recycling chain.

URT communicates and reinforces this policy throughout the company and to its customers, suppliers and the public. At each location, URT's Plant Manager ensures that any persons performing tasks for or on behalf of URT that affect product quality, have the potential to cause a significant environmental impact or whose work involves a "significant" health and safety risk, is identified by URT as competent on the basis of appropriate education and training or experience, and will retain associated records.

All new URT employees receive Quality and EHS General Awareness Training through review of the EHS Policy and EHS expectations during URT's new hire orientation conducted by Human Resource the EHS Department or site management. Records are kept in the employees' personnel file maintained by the Human Resources Department. Additional initial EHS and competency trainings are conducted depending on the role(s) of the employee going forward, as appropriate to meet or exceed all regulatory and internal standards and guidelines. Training Records are kept by the Plant Manager and maintained by the EHS Department.

On-site contractors receive training, conducted by the Plant Manager, prior to performing tasks. These requirements are documented in URT's Visitor Contractor and Employee EHS Work Instructions.

FINANCIAL STRENGTH

In less than ten years, URT has grown from a small start-up into a formidable industry player, expanding services and annually increasing revenues. FY2011 revenues exceeded $25.5 million—nearly double that of FY 2008, when URT began to systematically grow its business. With a proven track record of innovation, a diversified client portfolio, and strong support for continued expansion and growth from its private equity investor group, URT expects revenues to continue to grow well into the future.

CLOSURE PLAN

Closure steps are as follows:

- URT has established a facility closure plan in order to facilitate the clean up, transport and dispersion of any and all materials left over from the e-recycling process.
- URT has established a financial assurance mechanism to accomplish the closure and remediation necessary for clean up and removal of all residual materials left at a site.
- In the event of a single facility closure URT staff from existing facilities will pack up, move and transport materials to one or more of the other existing facilities for final processing.
- In the event of a closure of any URT operations, URT will utilize its existing locations for processing of any residual materials.
- The URT Environmental Health and Safety department will conduct final assurance testing for contamination within each closed site. In the event of a complete company closure, URT has contracted with certified 3rd party contractors for conducting final closure sampling and wipe analysis.

FACILITY SECURITY

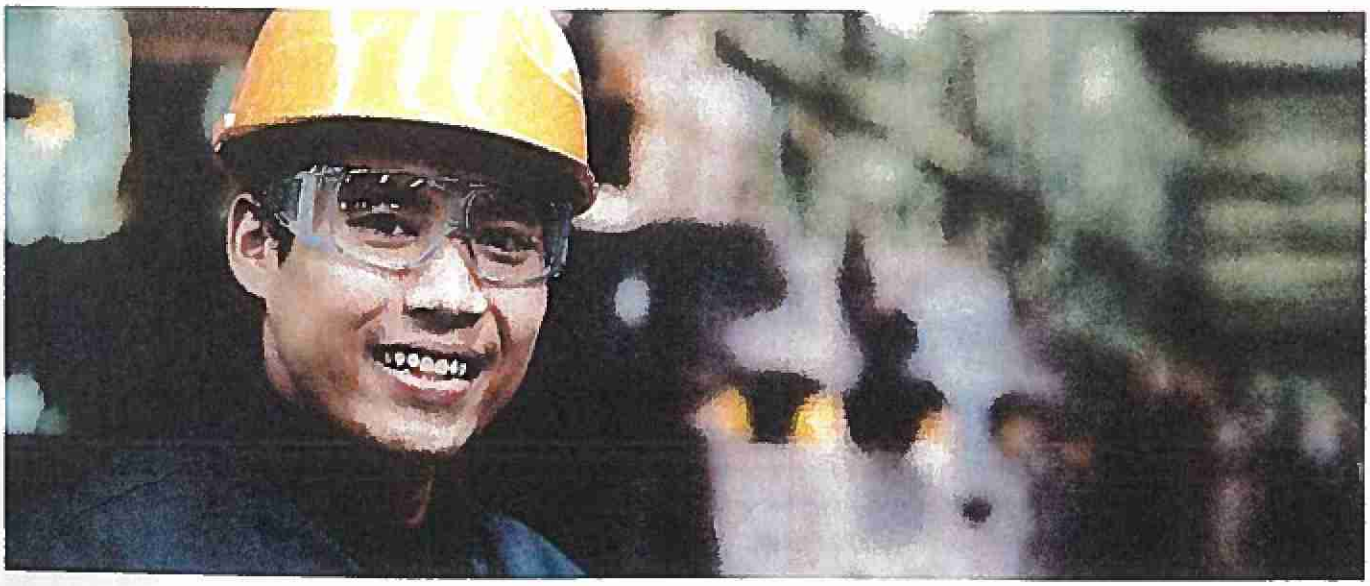
URT adheres to the following physical security procedures and protocols:

- URT facilities are under 24-hour CCTV camera surveillance both internally and externally. All recordings are retained for at least 30 days.
- URT facilities are monitored by alarm company(s).
- After hour's activity is strictly monitored. URT employees with key and alarm code access to the facility after hours must be pre-authorized. The list of authorized employee's is maintained by the Plant Mangers.
- URT employees are identified via an employee photo ID badge with security level access color codes.
- URT is a drug free workplace requiring pre-employment drug screening. Furthermore, URT employees who work within the Assets Division receive criminal background checks prior to hire.
- URT data destruction equipment is secured in a locked cage or office, and is controlled by authorized badge access. Facilities not designated for data destruction secure material for shipment to an authorized facility.
- All visitors, contractors and visiting employees must sign in and out in the Visitor Entry Log and wear an identification badge. Visiting URT employees entering a secured facility must be escorted into the facility by another employee with the appropriate security level.
- All trailers that contain material are secured.
- All access to the URT internal computer system(s) shall be monitored by the corporate IT department with specifically controlled access to the Microsoft Dynamics AX accounting systems controlled by the corporate Finance Department.

The physical security procedures and effectiveness are verified via management, internal, and external audits.

AUDIT SANITATION SOFTWARE

Audit sanitation software is completed via an Acronis Drive Cleanser 6.0 manufactured by Acronis Inc. The square root of each day's process is sampled daily for audit.



CERTIFICATIONS & MEMBERSHIPS

In 2011, URT's became the 11th recycling company in the nation certified to the e-Stewards® Standard for Responsible Recycling and Reuse of Electronic Equipment.

Representing our years of concerted effort to recycle ethically and operate responsibly, URT upholds the standards and qualifications of our industry's most rigorous certifying agencies.

ISO 14001:2004 & ISO 9001:2008

The ISO 14001:2004 standard recognizes the consistent application and success of a company's environmental health and safety management system. URT is ISO 14001:2004 compliant as it is encompassed within the e-stewards certification.

URT's ISO 9001:2008 standard certification takes this a step further, certifying the overall company quality management system. It demonstrates the company's commitment and ability to deliver superior quality and customer satisfaction. Both standards were developed and maintained by the International Organization for Standardization.

MICROSOFT® REGISTERED REFURBISHER

URT is a Microsoft® Registered Refurbisher, which allows the company to install Microsoft® operating systems and software, opening up tremendous revenue opportunities for recycled computer equipment.

E-STEWARDS® CERTIFICATION

Each of URT's facilities are e-Stewards® certified, providing unparalleled security and brand protection. The e-Stewards® Certification program, created by the Basel Action Network *(BAN-www.e-stewards.org)*, formally recognizes electronics recyclers that adhere to the highest environmentally and socially responsible practices when recovering materials from electronic scrap. It is the only electronics recycling standard that bans all exports of hazardous e-waste to developing countries, and prohibits the use of prison labor. The accredited third-party certification program is supported by the U.S. EPA and is endorsed by Greenpeace USA, the Sierra Club, the Natural Resources Defense Council (NRDC), the Electronics Take Back Coalition and 68 other environmental organizations. It has drawn the public support of major corporate "e-Stewards® Enterprises" including Samsung, Alcoa, Bank of America, Capital One Financial Corp. and Wells Fargo.

URT has been recognized by BAN for its ongoing efforts to safely process and clean leaded CRT glass, a hazard that requires extra care and has historically been difficult to cleanly recycle. URT's proprietary process of glass recycling safely removes the coatings allowing it to be recycled into various new products.

"URT has demonstrated a commitment to the highest levels of responsible recycling. As one of the few recyclers nationwide who can safely process leaded TV and monitor glass, the company not only benefits its direct customers but also is a great resource to other recyclers," said BAN Executive Director Jim Puckett.

e-Stewards® Standard for Responsible Recycling & Reuse of Electronic Equipment: Version 2.0

"1. SCOPE:

This international Standard specifies requirements for an environment management system to enable an Organization to develop and implement a policy and objectives which take into account legal requirements and other requirements to which the Organization subscribes, and information about significant environmental, health and safety, data security, and social accountability aspects. It applies to those Environmental and Stewardship Aspects that the Organization identifies as those which it can control and those which it can influence. It does not itself state specific environmental performance criteria, except as defined by e-Stewards® requirements.

This International Standard is applicable to any Organization that wishes to :

a) establish, implement, maintain and improve an environmental management system in conformity with ISO 14001: 2004 and e-Stewards© requirements,

b) assure itself of conformity with its stated environmental policy, and minimize internal and customer risks associated with the environment, occupational health and safety, and data security,

c) demonstrate conformity with this International Standard only by exercising option 4 below

1. *making a self-determination and self-declaration (not allowed under e-Stewards© requirements), or*
2. *seeking confirmation of its conformance by parties having an interest in the organization, such as customers (not allowed under e-Stewards© requirements), or*
3. *seeking confirmation of its self-declaration by a party external to the organization (not allowed under e-Stewards© requirements), or*
4. *seeking certification/registration of its environmental management system by an external organization, and specifically by an e-Stewards accredited certification body.*

All the requirements in this International Standard are intended to be incorporated into any e-Stewards© environmental management system. The extent of the application depends on factors such as the environmental policy of the Organization, the nature of its activities, products and services and the location where and the conditions in which it functions. This International Standard also provides, in Annex A1, informative guidance on its use.

The e-Stewards© Standard specifies minimum performance requirements for eligible Organizations in the electronics Recycling, asset recovery, Processing, and refining industries, inserted into the framework of the ISO 14001 environmental management system standard. This enables an Organization to develop policies and objectives which also take into account information about significant health and safety, data security, and social accountability aspects of its operation.

The term "environmental management system", as used throughout this Standard, includes within its scope the environmental, occupational health and safety, data security, social accountability, and other performance requirements identified in this Standard. The scope of the management system also extends to Ancillary Sites owned and/or Controlled by the e-Stewards© corporate entity (see Appendix B for more information on Ancillary Sites.)

1.1 Application // 1.1.1 Integration with ISO 14001: 2004

The e-Stewards© Standard fully incorporates the requirements of the international environmental management systems standard, ISO 14001: 2004© (ISO). It also includes industry-specific performance requirements which are fully integrated into ISO 14001and are written for use internationally.

For the sake of clarity, regular font indicates the e-Stewards© industry-specific performance requirements throughout this Standard, while italic font depicts the requirements of ISO 14001: 2004. The font style does not infer greater or lesser importance of the text. Conformance to this e- Stewards© Standard requires that both sets of criteria be met in order to receive e-Stewards© certification.

The textual requirements of ISO 14001: 2004 are reproduced in full in this Standard, including references to this document as an "International Standard." Where this phrase is used in italic font, "International Standard" refers to ISO 14001: 2004, and may also refer to the e-Stewards© Standard requirements."

NAID MEMBERSHIP

Through URT's certification in e-Stewards® V2:2013 and its own company policies, URT is compliant with the requirements of NAID AAA Certification for Computer Hard Drive Sanitization. Additionally, as a member of NAID since 2011, URT has had the ability to adopt and implement many of the NAID forms.

APPENDIX E

Preferred Remediation Contractor Proposals and Qualifications: EMS, HWE, and Precision

ENVIRONMENTAL MANAGEMENT SPECIALISTS INC
ENVIRONMENTAL, ENERGY & INDUSTRIAL SERVICES

Cincinnati/Dayton • Cleveland/Akron/Canton • Columbus
Indianapolis • Toledo/Detroit • Wheeling/Pittsburgh • Zanesville

Customer:	Atwell LLC	Contact:	Mike Koening
Address:	7100 E Pleasant Valley Rd. Suite 220	Phone:	440.349.2000
	Independence Ohio 44131	Email:	mkoening@atwell-group.com
Project Name:	Lead Abatement	Bid Date:	6.22.16
Project Address:	1655-1675 Watkins Rd Columbus, Ohio	Bid Type:	Industrial Services

Scope of Work

- EMS will provide a crew to Abate a 435,000 square foot warehouse, 1,000 square foot office, foam seal a wall 20' X 322' and decon a crushing machine.
- EMS will also provide Haz and Non Haz waste disposal and transportation
- EMS assumes all waste characterization will be completed by Atwell
- Labor and equipment will include: Master Vac with Operator, Supervisor, 4 Techs, Service truck, All required PPE
-

Item #	Description	Estimated Quantity	Units	Unit Cost	Line Item Cost
1.0	General Terms and Conditions	1	LS	$ 6,500.00	$ 6,500.00
2.0	Mobilization	1	Per event	$ 900.00	$ 900.00
3.0	Labor and Equipment	22	Days	$ 3,920.00	$ 86,240.00
4.0	Non Haz C&D waste Disposal (5 ton Min)	5	Ton	$ 40.00	$ 200.00
5.0	Non Haz Dust waste disposal (10 ton Min)	10	Ton	$ 66.00	$ 660.00
6.0	Haz Dust waste disposal (5 yard Min)	5	Yard	$ 156.00	$ 780.00
7.0	Vac Box Rental (2)	40	Days	$ 55.00	$ 2,200.00
8.0	Roll off box rental (1)	20	Days	$ 17.00	$ 340.00
9.0	Haz Waste Transportation	TBD	Load	$ 920.00	
10.0	Non Haz Waste Transportation	TBD	Load	$ 460.00	
			Estimated Total	$	97,820.00

Conditions

- EMS assumes that all work will be completed in one mobilization unless otherwise noted above.
- For any additional work beyond the original scope of work, Time & Material (T&M) rates will apply according to the EMS Preferred Rate Sheet.
- Above noted quantities are speculative. With the exception of minimums, all billing will be based on actual quantities at the above noted Unit Costs.
- A four (4) hour minimum will apply to all Unit Costs quoted by the hour.
- Unit Costs quoted by the day will be billed at the full day rate for any work on site. There will be no partial billing for partial work days.
- Unit Costs quoted by the day apply up to eight (8) hours per day. After eight (8) hours per day, the day rate will be pro-rated for additional hours.
- Above Unit Costs are based on a non-union work force, no prevailing wages, no overtime work and no performance bond.
- This proposal is valid for thirty (30) days.

Additional costs related to unexpected or concealed conditions or any delays at the project site shall be incurred by Customer. In the event that underground or above ground structures, cables, conduit or other materials or equipment are destroyed or damaged during the project, EMS will not be held responsible. By signing below Customer acknowledges that they have received, reviewed and agreed to the EMS Standard Terms and Conditions (or the master service agreement between Customer and EMS if applicable). The terms of this agreement are effective and binding on Customer and EMS upon written execution or initiation of performance of this Agreement. Thank you for the opportunity to assist with your environmental service needs. If you require any additional information, please contact us at the below.

Payment Terms

Unless otherwise agreed to in writing, payment terms are net thirty (30) days from the invoice date.

Authorization To Proceed

The above prices, specifications and conditions are satisfactory and hereby accepted and EMS is authorized to proceed.

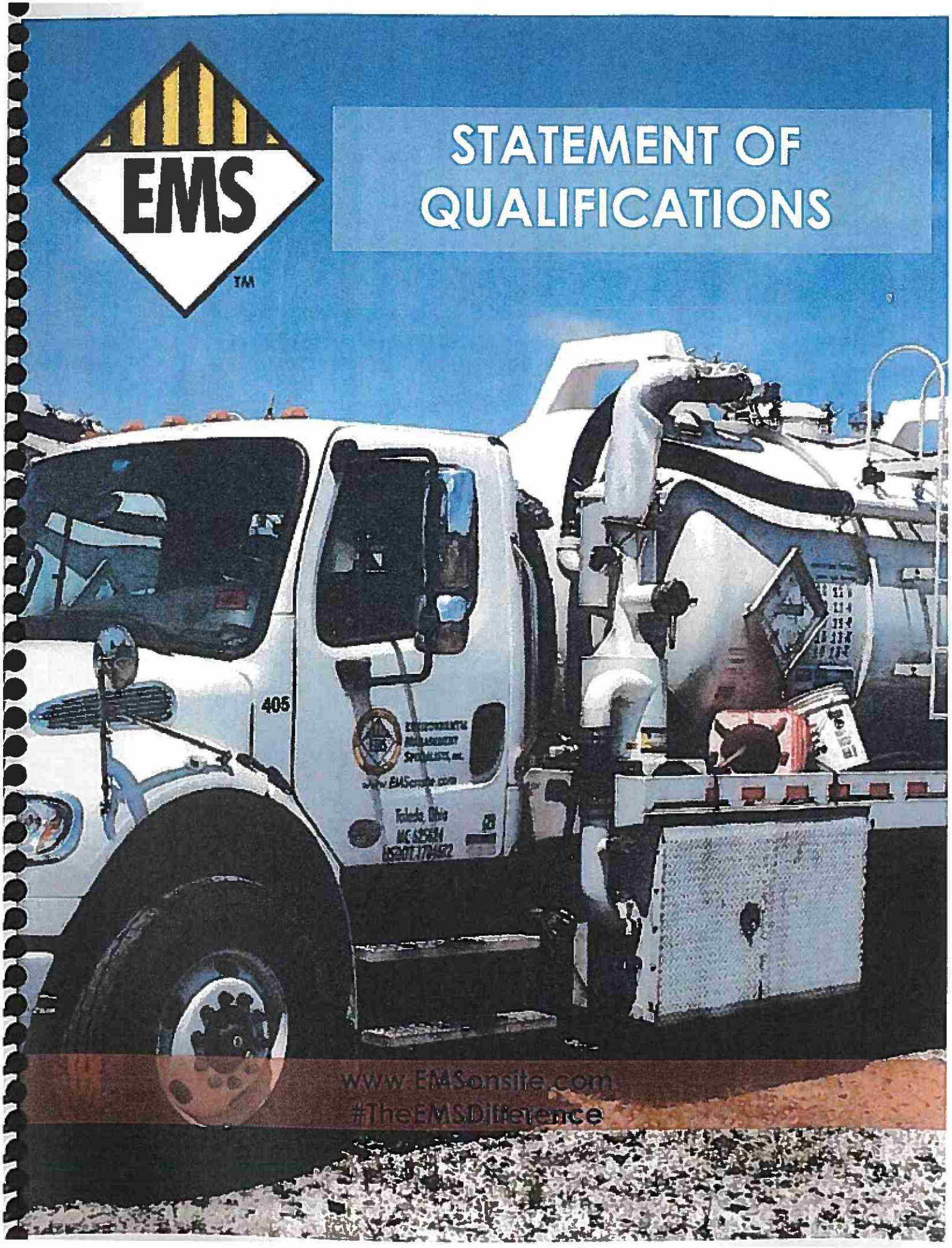
Buyer: _____
Print Name

Signature: _____
Buyer Signature

Date of Acceptance: _____

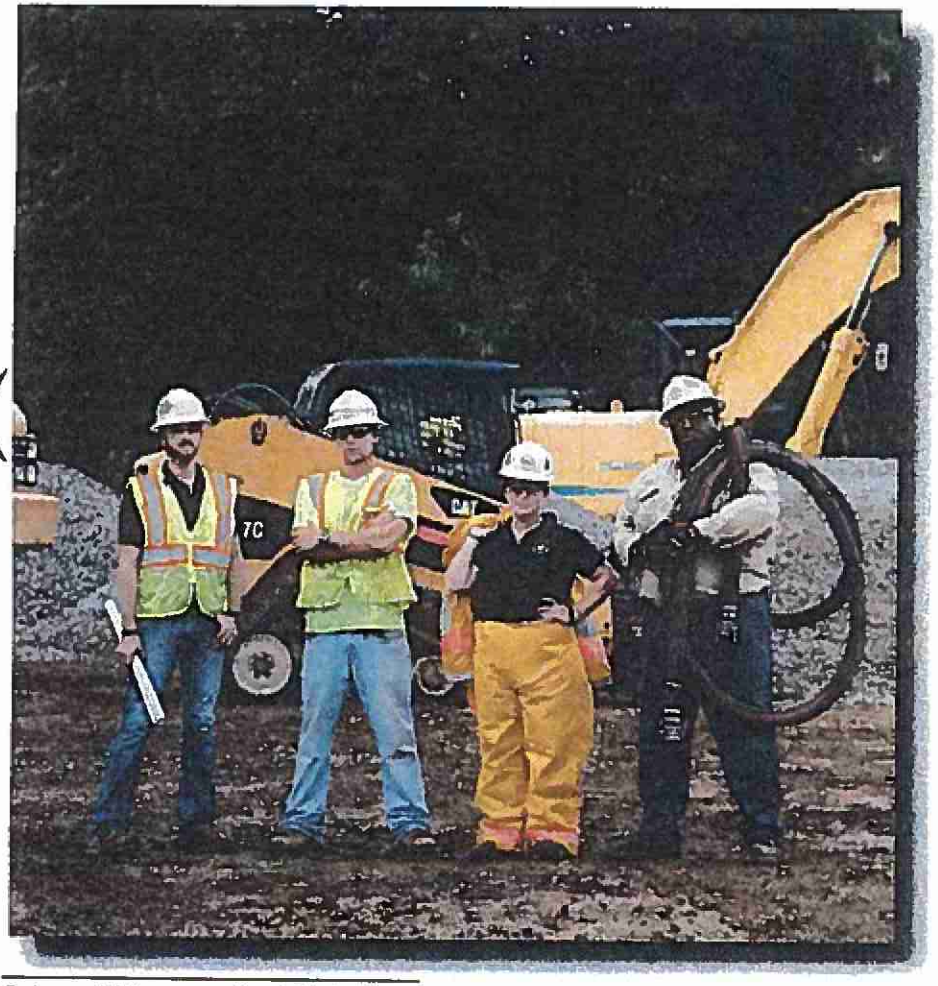
RETURN ACCEPTANCE TO:
Environmental Management Specialists
6909 Engle Road, C-31
Cleveland, Ohio 44130
Estimator: Josh Baker
Phone: (440) 816-1107
Email: jbaker@emsonsite.com

STATEMENT OF QUALIFICATIONS



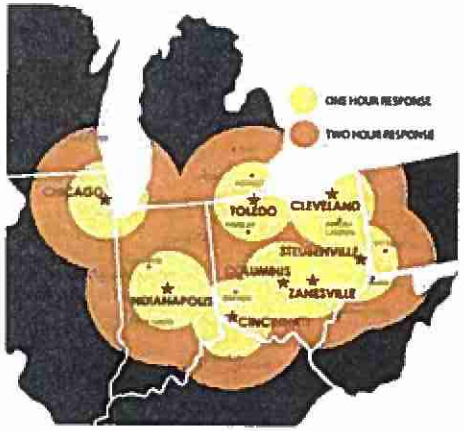
INTRODUCTION

Founded in 2000, **Environmental Management Specialists, Inc.** (EMS) is a professional environmental services company with strategically-located service centers providing coverage across Ohio, western Pennsylvania, West Virginia, Kentucky, Indiana, Illinois, southern Wisconsin, southern Michigan, and beyond.



10 KEY DIFFERENTIATORS:

1. ***SAFETY*** is at our core. Our comprehensive safety program is deeply-ingrained in the EMS culture and our core values.
2. ***RESPONSIBLE.*** Our **EMR** is **0.50** and we've never had a lost time accident in the entire history of the company.
3. ***CAPABLE.*** Our employees are extensively-trained and certified (i.e. HAZWOPER, CSE, SafeLand, API, e-RAILSAFE, RWT...).
4. ***QUALIFIED.*** EMS is pre-qualified by several contractor screening consortiums, including *ISNetworld*, *PEC Premier* and *Avetta*.
5. ***EXTENSIVE EXPERIENCE.*** EMS is your one-stop-shop for a wide variety of environmental services.
6. ***RESPONSIVE.*** Call us anytime at: **(877) 816-9111**. We offer 24/7 accessibility through our **"One Call"** dispatch program.
7. ***DEDICATED.*** We provide a **single point-of-contact** for repeat customers through our *"Operations Concierge"* program.
8. ***PROMISES KEPT.*** The EMS ***"Value Guarantee"*** gives our customers the ability to short pay any T&M invoice or contest any change order to the Division VP, COO, or CEO if we did not deliver on the expected value.
9. ***WASTE EXPERTS.*** EMS is permitted to transport both non-hazardous and hazardous waste. We properly containerize, document, and dispose of waste the right way, every time.
10. ***OSRO CERTIFIED.*** EMS is a United States Coast Guard-certified Oil Spill Removal Organization (*OSRO #473*).



OUR CORE SERVICES:

REMEDIATION
- Hog-and-haul site remediation
- Fueling station cleanup and UST removal
- Gas and vapor barrier installation
- Multi-faceted brownfield remediation
- Wetland, stream and channel restoration
- Sheet Piling
- Landfill remediation
- Hazardous soil and groundwater treatment
- Impoundment pond and lagoon remediation

EMERGENCY RESPONSE
- Railway, pipeline, roadway, and waterway spill response
- OSRO for Facility Response Plans (FRPs)
- 24/7/365 dispatch for emergency service needs
- HAZWOPER Training

TANK & UTILITY SERVICES
- Tank cleaning (API tanks, frac tanks, pits, sumps, OWS, vessels...)
- Product transfer and temporary storage
- Tank decommissioning and demolition
- Confined Space Entry (CSE) rescue teams
- Line jetting
- Air knifing and hydro-excavation
- CSE training (mobile training vessel)

WASTE SERVICES
- Integrated waste management services
- Waste transport and disposal
- Waste characterization and containerization
- Drum waste "milk runs"
- Vacuum truck/tanker services
- Roll-off truck services
- Vacuum and roll-off box rental
- RCRA and DOT training

THE HISTORY OF EMS

EMS started in Ohio in November 2000 as a single-employee waste broker aiding environmental consulting firms and contractors with management of hazardous waste. EMS founder Jon Ransom began his career in the environmental industry as a sales representative with Ashland Chemical in 1991. Subsequent positions with environmental service companies in North Carolina added to his knowledge and experience. Family ties brought him back to Ohio in 2000.

Starting out of Jon's basement, EMS overcame many early challenges typical of startups as the company developed an extensive network of transportation and disposal vendors to broker. In 2006, EMS recruited a core group of remediation professionals and began self-performing remediation projects from start to finish. Through 2009, EMS experienced steady growth expanding to 12 employees and one small warehouse. Throughout this time frame, EMS developed a solid company culture, a strong balance sheet, and a quality reputation in the industry, thereby establishing the foundation for future growth.

EMS hit its stride in the second half of 2009 and quickly accelerated both its pace of improvement and growth. At the center of this growth initiative were several Best of the Best (BOB) professionals who joined EMS and formed the nucleus of the EMS Leadership Team. From here, the Leadership Team launched an intense drive to grow EMS through continuous improvement and the development of people and processes. From 2009 to 2011, EMS became the #1 ranked remediation contractor in Ohio, and rated among the best remediation contractors in the region. At the same time, EMS began an initiative to diversify its capabilities to include emergency response, tank and utility services, and waste services.

In late 2011, remediation funding in Ohio came to an abrupt halt along with the majority of the remediation work across the state. With close to 80 percent of its business tied to remediation, EMS significantly increased the tempo of its push into services work. EMS also expanded its remediation reach into neighboring states and added strategic remediation capabilities, including gas and vapor barrier installation and wetland and stream restoration services. This diversification initiative led directly to the recruitment and development of BOB professionals at all levels of the company.

In 2013, EMS committed to developing a comprehensive Strategic Plan. This plan, which is updated annually, serves as a guiding document to maintain a sustainable competitive advantage. By investing in training, equipment, and facilities, EMS has solidified its reputation as a high-quality provider of environmental, industrial, and energy services across an expanding operating area. Transformative events included: designation as an Oil Spill Removal Organization (OSRO) by the U.S. Coast Guard; approval by multiple contractor screen consortiums; and execution of master service agreements with numerous Fortune 500 companies in the oil and gas, utility, transportation, and manufacturing industries.

Today, EMS has grown to more than 150 employees, with operation centers in Cleveland, Chicago, Cincinnati, Columbus, Indianapolis, Steubenville, Toledo, and Zanesville. Far beyond its early days as a waste broker, EMS now provides full-service emergency spill response, oilfield services, environmental services, waste transportation, site remediation, and tank management services.

WHO IS EMS?

MISSION STATEMENT

EMS is a quality-driven, value-added environmental contractor with a deep commitment to providing what our customers need, when they need it, with a guarantee of safety, preparedness, and communication at the center of every relationship.

We have an intense drive to succeed, with each incremental improvement bringing us closer to our potential. We compare ourselves not to any competitor but rather to the progress of our step-by-step pursuit of excellence. Our reputation as the best-of-the-best is our most valued asset, and we are determined to maintain and build on that reputation.

We maintain a consistent focus on sustainable, profitable growth, with the understanding that building a great company is achieved by recruiting and retaining great people who thrive on teamwork. We have a fundamental belief in doing right by our employees, as well as our customers, and we take great care to cultivate a meaningful and enjoyable workplace for the environmental industry's best of the best where they are challenged, appreciated, supported and empowered to maximize the value delivered to our customers.

CORE VALUES

At EMS, our core values are more than words – more than what we wish others would think of us. Our core values are what we expect from ourselves and hence what others should expect and demand of us. They shape every strategic decision we make as a company, and they are a guide to daily decisions made by each and every person at EMS.

Solution-oriented
Anticipate client needs
Follow-through
Enthusiastic dedication
Trust through integrity and compassion
Yes – "Can do!"

Awards | Recognition

Inc. Magazine's annual exclusive list of America's fastest-growing private companies — the Inc. 500|5000
EMS is proud to announce our inclusion on the 2016 Inc. 5000 List of America's Fastest-Growing Companies. Even more impressive, this is our 6th appearance on the Inc. 5000 list since 2009. This year, we rank at #3320 overall and #24 among all environmental services companies on the list.

We're grateful to our 150 dedicated employees; our many valued clients who trust us with their environmental projects every day; and for the vision of EMS's leadership, who continue to guide our tremendous growth and the continuous improvement that drives it.

ERNST & YOUNG
ENTREPRENEUR
OF THE YEAR®
2011 AWARD WINNER

RECOGNITION
EMS founder and President Jon Ransom received the Ernst & Young Entrepreneur Of The Year® 2011 Northeast Ohio Award in the Specialty Products and Services category.

About Ernst & Young Entrepreneur Of The Year®
Ernst & Young Entrepreneur Of The Year® is the world's most prestigious business award for entrepreneurs. The unique award recognizes the contribution of people who inspire others with their vision, leadership and achievement and celebrates those who are building and leading successful, growing and dynamic businesses, recognizing them through regional, national and global awards programs in more than 140 cities in more than 50 countries.

SAFETY

EMS considers the safety of our employees and customers the most important aspect of our operations. EMS has never had an OSHA violation or a lost-time accident in the history of the company. EMS maintains a BWC Experience Modification Rating (EMR) of 0.50. All EMS personnel receive extensive training, including 40-hour HAZWOPER, annual eight-hour HAZWOPER refresher, RCRA, DOT, confined space entry, respiratory protection, first aid/CPR and associated industry-specific and customer-specific training programs.

SAFETY PROGRAM HIGHLIGHTS:

- Our EMR is 0.50 and we've never had a lost-time accident in the entire history of the company
- Top quartile Total Recordable Incident Rate (TRIR) performance for NAICS Code 562910
- Comprehensive, independently-reviewed corporate health and safety plan

KEY SAFETY PRACTICES:

- Daily Job Safety Analysis on all projects
- Quarterly all-employee safety meetings
- Weekly safety performance reporting to corporate leadership team
- Short-Service Employee Program
- Regular, documented jobsite and facility safety audits
- Enhanced incident reporting protocol, including near-miss reporting
- Full root-cause investigation of all reported incidents and near-misses, including documentation of corrective measures
- Safety performance included in all employee performance evaluations

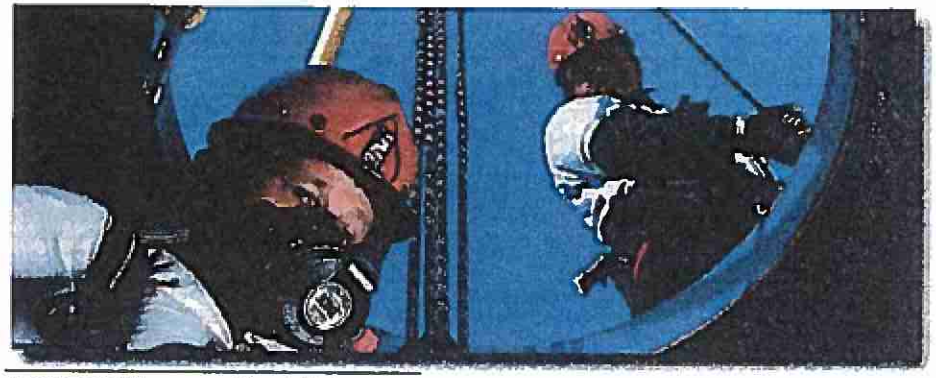
HAZWOPER TRAINING:
All EMS personnel performing duties involving hazardous waste and emergency response receive extensive training, including 40-hour initial HAZWOPER, annual eight-hour HAZWOPER refresher, RCRA, DOT, confined space entry, respiratory protection, first aid/CPR and assorted industry-specific and customer-specific training programs. Our training includes both classroom and hands-on activities, and covers all of the topics outlined in OSHA regulations.

ADVANCED RAIL CAR SPECIALIST TRAINING:
Several EMS personnel are certified by the Emergency Response Training Center (ERTC) in Pueblo, Colorado as Advanced Rail Car Specialist (ARCS). ARCS training is a comprehensive four-day haz-mat emergency training course covering all facets of haz-mat response.

TANK CAR SPECIALIST (TCS) TRAINING:
Several EMS personnel are Tank Car Specialists - Advanced (TCS-A) trained and certified. TCS training covers the technical skills and knowledge necessary for effectively managing a haz-mat/WMD incident in a rail transportation emergency. Participants respond to railcar emergencies and incidents while functioning within a designated emergency response team. Situations involve scenario-based emergencies related to rail transport of a variety of commodities.

FRA ROADWAY WORKER TRAINING (RWT):
EMS complies with all requirements of the Federal Railroad Administration (FRA), Roadway Worker Protection, 49 Code of Regulations (CFR), Part 214, including, without limitations, the training and qualification requirements, and with the FRAs On-Track Safety Program.

API WORKSAFE TRAINING:
A large percentage of EMS field personnel are API WorkSafe certified by the American Petroleum Institute.



API TANK ENTRY SUPERVISOR (TES) TRAINING:
Several EMS personnel are Tank Entry Supervisors (TES) certified. The API-TES certification program qualifies participants as having the minimum knowledge, experience, and skills needed to safely perform duties required by tank entry supervisors.

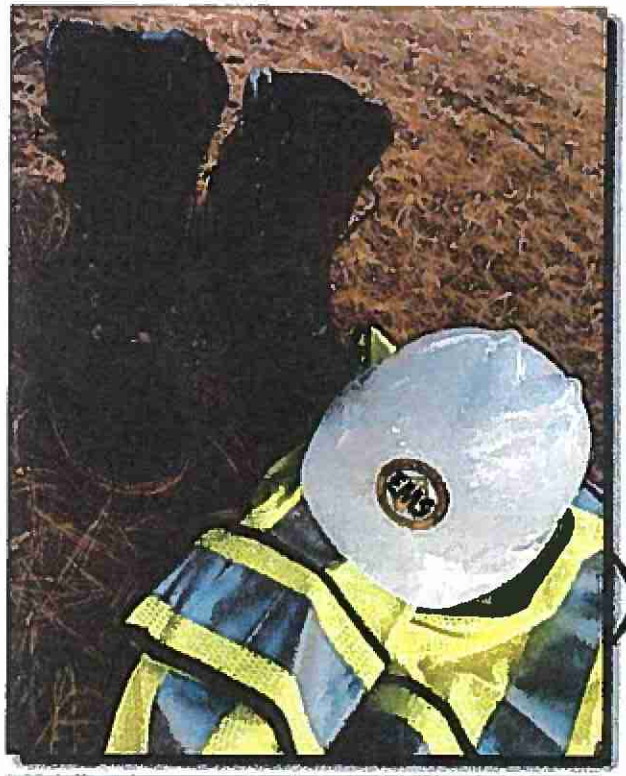
SAFELAND TRAINING:
A large percentage of EMS field personnel receive SafeLand training and certification. SafeLandUSA is an organization of independent oil and gas operating companies with the purpose of developing standardized safety orientation with minimum requirements for the U.S. onshore E&P industry.

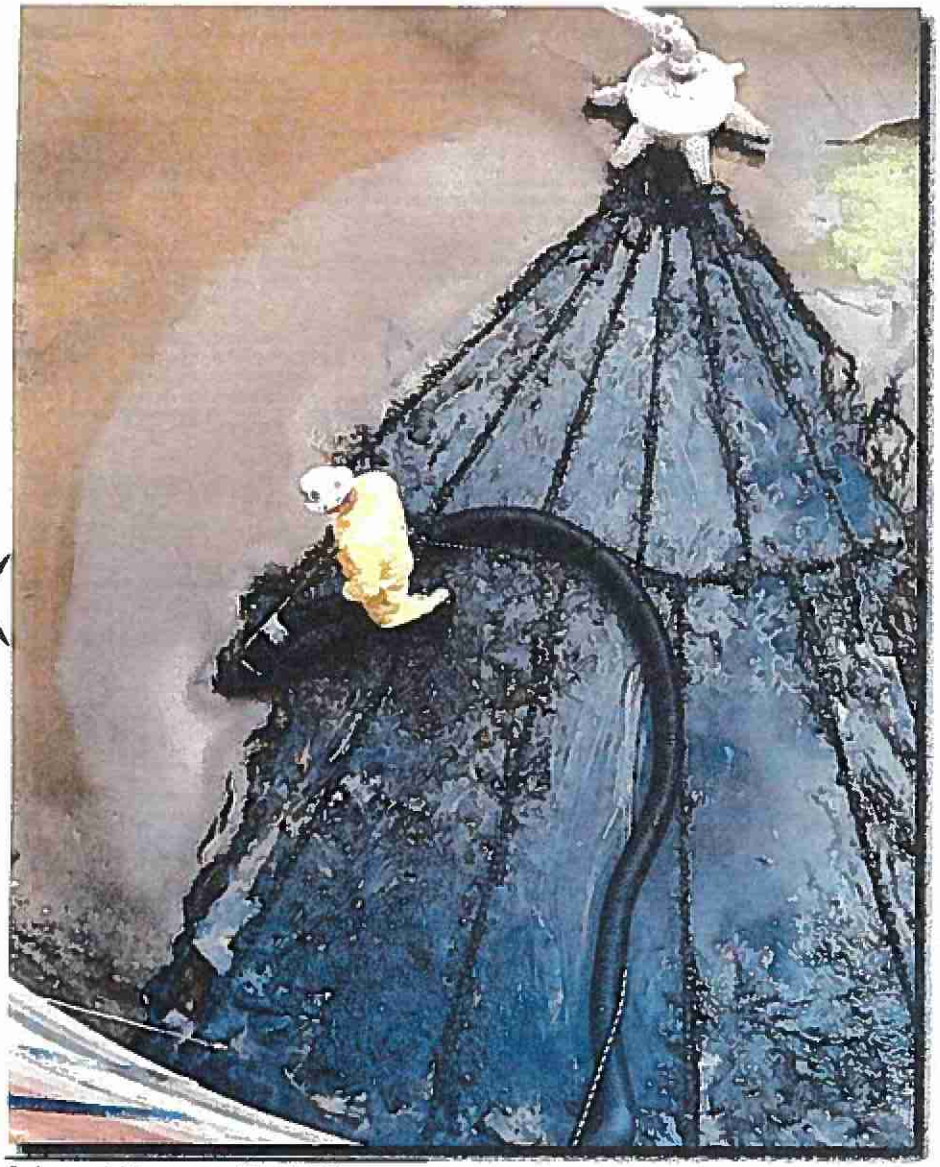
CONFINED SPACE ENTRY (CSE) TRAINING:
Confined spaces, no matter how common in construction and general industries, are inherently hazardous and not meant for continuous occupancy. To fully understand the health and safety risks of entering and working in confined spaces, workers are required to take confined space entry training in compliance with OSHA requirements.

CSE RESCUE TRAINING:
EMS ensures that our confined space rescue team members will be proficient in the basic skills needed to safely and efficiently perform entry rescues in the workplace, including assessment of confined space hazards; atmospheric monitoring; confined space rescue equipment use and limitations; knots; vertical and horizontal hauling/lowering systems; and personal protective equipment.

WHAT OUR CLIENTS HAVE TO SAY...
"It is very important that our contractors follow strict regulatory guidelines and provide professional and quick service, which we get every time from EMS. I feel at ease knowing the EMS team is a phone call away to help ensure the safety of all involved."

– Environmental Manager,
The Ohio State University





CERTIFICATIONS

In order to develop and maintain our reputation as a best-in-class contractor in each of the markets we serve, EMS and our personnel maintain a wide assortment of certifications, from regulatory training and industry-specific training, to qualifications with government agencies, safety consortiums and regulatory boards. As our customers continue to increase the safety and certification qualifications required of their contractor, EMS is committed to meeting and exceeding those requirements. Along with the various safety training certifications noted on the previous page, EMS also maintains the following certifications and credentials:

OIL SPILL REMOVAL ORGANIZATION (OSRO) CERTIFICATION

EMS maintains a Class V OSRO Classification throughout its operating area. In response to the regulatory requirements established by the Oil Pollution Act of 1990 (OPA90), the OSRO classification process was developed to facilitate the preparation of vessel and facility response plan.

U.S. COAST GUARD OSRO #473
B.O.A. HSCG84-13-A-G00005

The OSRO Classification process provides standard guidelines by which the Coast Guard and plan developers can evaluate an OSRO's potential to respond to and recover oil spills of various sizes. Classifications are based upon minimum equipment amounts and response time standards outlined in the Coast Guard's OSRO Classification Guidelines.

ISNETWORLD, AVETTA, CCS, AND PEC PREMIER CERTIFICATION

EMS is an approved contractor for ISNetworld (ISN), Avetta, CCS, and PEC Premier. These contractor screening consortiums connect corporations with safe, reliable contractors in capital-intensive industries. They collect ongoing conformance information from contractors/suppliers, verify its accuracy, and report the results to owners and clients.

SMALL BUSINESS ENTERPRISE (SBE) CERTIFICATION

EMS is a certified Small Business Enterprise (SBE). This classification can be helpful to prime contractors in satisfying contract goals and requirements.

E-RAILSAFE CERTIFICATION

A large percentage of EMS field personnel receive e-RAILSAFE certifications. The purpose of the e-RAILSAFE program is to improve the security of railroad employees, operations and facilities. As part of these efforts, designated railroad contractors are required to comply with the program, which includes:

- Personnel screening;
- Compliance awareness and testing; and,
- Workplace credentialing.

TRANSPORTATION WORKER IDENTIFICATION CREDENTIALING (TWIC)

Several EMS field personnel are credentialed through the TWIC program. This program is a Transportation Security Administration and U.S. Coast Guard security threat assessment initiative that provides tamper-resistant biometric credentials to maritime workers requiring un-escorted access to secure areas regulated under the Maritime Transportation Security Act of 2002.

UNDERGROUND STORAGE TANK REMOVAL CERTIFICATION

EMS personnel maintain underground storage tank removal certifications in multiple states.

THE EMS DIFFERENCE

By developing and maintaining strong personal relationships with our customers, we are able to fully understand their needs and execute the work accordingly. To succeed in a highly competitive market, it is critical that we provide high-quality services in a cost-effective manner. The expectations of our customers determine the minimum performance standards by which we measure our success. Whether we are solving a customer problem or providing routine services, we always strive to provide the most value for the dollar and bring all work to completion to the customer's full satisfaction.

24-HOUR DISPATCH
EMS maintains a "one call" dispatch operation with on-call EMS personnel available 24 hours a day, 7 days a week, 365 days a year.

ONE CALL
(877) 816-9111

STRATEGIC PLANNING
EMS conducts a formal strategic planning process, which is updated annually, in order to leverage our strengths and maintain alignment throughout our various growth initiatives. Wide participation across all business groups leads to a comprehensive planning process and results in a broad commitment to achieving our common goals.

INSURANCE
EMS maintains substantial insurance coverage, including general liability, pollution liability, professional liability and automobile liability insurance. Our insurance certificate can be provided for detailed coverage information.

BONDING
EMS maintains aggregate bonding capacity in excess of $20 million.

EXPERIENCE AND EXPERTISE
The extensive training, experience, and expertise of our personnel enables us to recognize and respond to a wide variety of challenges faced by our customers. EMS has a proven record of service excellence, as demonstrated by a commitment to exceeding the expectations of our customers.

PROFESSIONALISM
All EMS personnel are skilled in their area of expertise and also receive extensive ongoing training to maintain those skills. From the appearance and attitude of our personnel to the quality of our documentation and record-keeping, our professionalism is always on display.

RESPONSIVENESS
EMS is dedicated to providing the highest level of service and is focused first and foremost on the needs of our customers.

INTEGRITY
Instead of taking the easy route and ending up with negative long-term consequences, we step to the plate and deal with difficult issues in an honest and upfront manner. We are committed to being fair and reasonable. We take our reputation very seriously, and we recognize that everything we do has an impact on our reputation.

COMMUNICATION
Throughout our organization, we maintain a constant focus on clear, accurate, and consistent communication – both within EMS and especially with our customers. EMS conducts a quarterly meeting with all employees which focuses on training, enhanced internal communication strategies, and teamwork. These meetings are designed to encourage and educate our employees, and are an essential part of our effort to maintain a culture of effective communication throughout our organization.

What our clients have to say...

"I have had the opportunity to work with many environmental contractors throughout the Midwest for the past 25 years on brownfield remediation, petroleum, and RCRA cleanup projects. I have found that EMS differentiates itself by providing innovative solutions to complex remediation projects by working with us in a collaborative nature. We have found EMS to be efficient, cost-effective, and willing to address unforeseen issues in a timely manner."
– Principal, Regional environmental consulting firm

"I have worked with EMS for more than five years. I have used them to do disposal of waste, underground storage tank (UST) removals, remediation activities and emergency responses. They are professional, client-oriented, knowledgeable of regulatory requirements, and cost-conscious. I am completely satisfied with their performance, and I have recommended them to other consultants and clients."
– Project Manager, Regional environmental consulting firm

"In all cases, EMS has provided professional, courteous service at competitive prices. Their personnel are highly-motivated and display an attention to detail that is rarely experienced with other contractors."
– Project Manager, Regional environmental consulting firm

"Working with EMS provides peace of mind that communications on operations are expedient, accurate, and concise, which is crucial for EHS Professionals. The work performed by EMS is professional, complete, and done right the first time. I would recommend that any company in need of waste management, remediation, or industrial cleaning team up with EMS for these services."
– EHS Specialist, Fortune 500 oil & gas producer

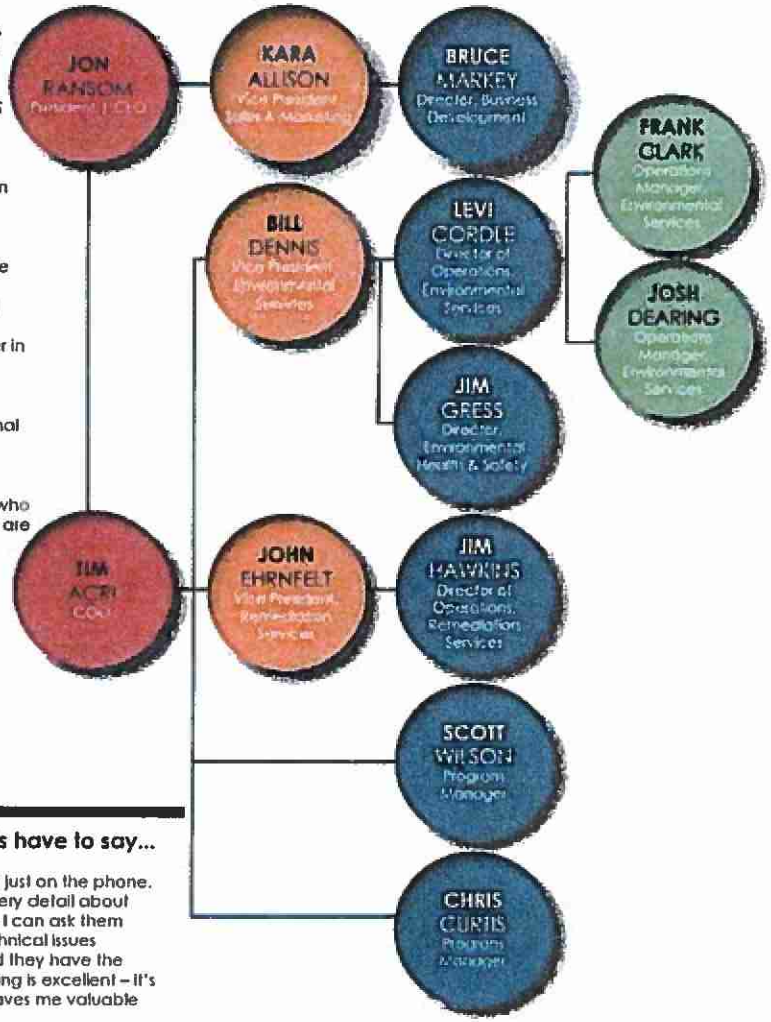
"EMS equipment, crew, and general work ethic are a cut above any contractor we have had complete work here. We will absolutely be using your company again for future work."
– Plant Manager, Steel manufacturing facility

PERSONNEL

Like any company, EMS is a collection of individuals. These individuals are the reason EMS has developed an extensive list of capabilities and a quality reputation in the environmental industry.

We take great pride in the diversity of expertise, depth of experience, and quality of character in our personnel.

Please refer to the following professional biographies of our key personnel for additional details about the people who make EMS who we are today.



What our clients have to say...

"They're on site, not just on the phone. They really know every detail about us and our facilities. I can ask them anything about technical issues and regulations and they have the answer. Their reporting is excellent – it's automatic, and it saves me valuable time."
– Environmental Coordinator, Fortune 500 Company, Manufacturing Facility

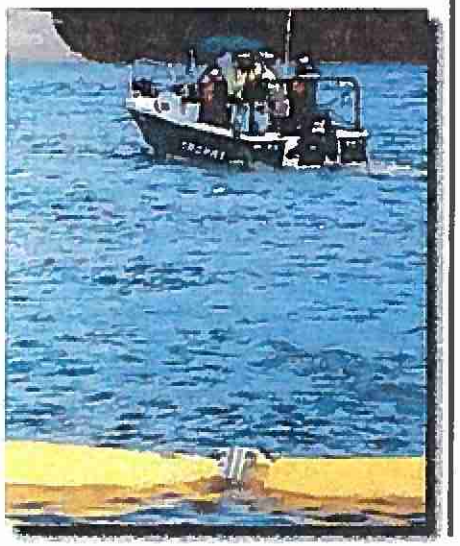
JON RANSOM

President and Chief Executive Officer

Jon Ransom has more than 20 years of experience managing site remediation, unknown waste identification and characterization, soil treatment, waste transport and disposal, and lab packing projects. He has worked in sales, project management, cost estimating, site supervision, project accounting, and leadership team functions.

EDUCATION
Bachelor of Science, Muskingum College, 1991
Summa Cum Laude

TRAINING AND CERTIFICATIONS
Advanced Project Management
Advanced RCRA Hazardous Waste Management
DOT HazMat Transportation
OSHA 40-hour HAZWOPER
OSHA Annual 8-hour Refreshers
Advanced First Aid/CPR (American Red Cross)
Applied Strategic Planning
Leadership Development



TIM ACRI

Chief Operating Officer

Tim Acri has more than 20 years of experience providing services for the oil and gas industry, emergency response, site remediation, demolition, construction and earth-moving projects. He has served as a field technician, site supervisor, project scientist, project manager, division manager and now Chief Operating Officer.

EDUCATION
Bachelor of Science, Environmental Science, Trinity College, 2000

TRAINING AND CERTIFICATIONS
OSHA 40-hour HAZWOPER
OSHA Annual 8-hour Refreshers
Advanced First Aid/CPR (American Red Cross)
RCRA Hazardous Waste Management
DOT Hazardous Material
Confined Space Entry – Supervisor
Confined Space Entry Rescue – Team Member
Current Medical Surveillance Documentation
Fit-Tested for Respirator Use
80-hour Project Manager (Earth Tech, Inc.)
Safety, Compliance Management and Function Specific (unpacker)
Applied Borehole Geophysics (NGWA sanctioned)
Remediation and Monitoring Well Rehabilitation
80-hour Environmental Law and Liability (U.S. Navy)
Seabee Combat Warfare Specialist (U.S. Navy)
Surface Warfare Specialist (U.S. Navy)
Damage Control Repair Locker Leader (U.S. Navy)

BILL DENNIS

Vice President, Environmental Services

Bill Dennis has more than 15 years of experience on large-scale site characterization and remediation projects, brownfield redevelopments, facility demolitions, hazardous material management, oil and gas industry services, and construction management. He has served in roles ranging from hydrogeologist to senior project manager on multiple large-scale remediation and redevelopment projects subject to joint federal and state regulation.

EDUCATION
Master of Science, Geology & Geophysics, University of Missouri-Rolla, 1999, Chancellor's Fellow
Bachelor of Science, Geology, Youngstown State University, 1996, Summa Cum Laude

TRAINING AND CERTIFICATIONS
OSHA 40-hour HAZWOPER
OSHA Annual 8-hour Refreshers
SafeLandUSA/PEC Basic Orientation
Unconventional Business Unit Safety (Hess)
Contractor Safety (Range Resources)
Contractor Safety (Rice Energy)
Smith System DriverDirect On Road Defensive Driving
IATA Dangerous Good Regulations
DOT General Awareness Safety
Fit-Tested for Respirator Use
Advanced First Aid/CPR (American Red Cross)

LEVI CORDLE

Director of Operations, Environmental Services

Levi Cordle has more than 15 years of experience in oil and gas field services, emergency response, industrial services, and remediation projects. He has served in roles ranging from field technician, heavy equipment operator, site supervisor, on-scene coordinator, project manager, estimator, DOT/PUCO compliance officer, and health and safety officer.

EDUCATION
Associates of Business, Ohio University (in progress)

TRAINING AND CERTIFICATIONS
OSHA 40-hour HAZWOPER
OSHA Annual 8-hour Refreshers
OSHA Annual 8-hour Refreshers – Supervisor
RCRA Hazardous Waste Management
DOT Hazardous Material
Confined Space Entry Rescue – Team Member
Current Medical Surveillance Documentation
Fit-Tested for Respirator Use
Advanced First Aid/CPR (American Red Cross)
Excavation/Trenching Competent Person
Heavy Equipment, Operations/Rescue
DOT/PUCO Hazardous Waste Transportation/Trainer
Tanker Roll-over, Transfer and Recovery
Rail Car Competent Person
Coast Guard, Shoreline Assessment/Clean-up
Boom Deployment, Fast Water
Weapons of Mass Destruction Awareness
SafeLandUSA/PEC Basic Orientation
Contractor Safety/Down Line Awareness (AEP)
Contractor Safety (Range Resources, Rice Energy, Chesapeake, Antero, Williams, Gulfport, Marathon, Eclipse)

FRANK CLARK

Operations Manager, Environmental Services

Frank Clark has more than 25 years of experience in the environmental services industry, including transportation and disposal, UST installation and removal, hazardous waste excavation/in-situ treatment, TSCA remediation/excavation, remediation SVE (Soil Vapor Extraction), and ground water treatment systems. He has served in a number of roles including field technician, haz-mat responder, site foreman, site superintendent, project manager, hazardous/non-hazardous transportation manager, and operation manager.

EDUCATION
Associates degree, Business Management, Lincoln Technical Institute, 1986-1987

TRAINING AND CERTIFICATIONS
OSHA 40-hour HAZWOPER
OSHA 30-hour Safety
Confined Space Entry
Confined Space Entry – Supervisor
OSHA Hazardous Waste – Supervisor
Drug & Alcohol Awareness – Supervisor
Worksafe (API)
Tank Entry (API) – Supervisor
Aerial Work Platforms – Scissor & Boom Lift Safe Operation
RCRA Hazardous Waste Management
DOT Hazardous Material
Advanced Tank Car Specialist (CSX – 24-hour)
E-RAILSAFE Certification
Roadworker Safety
Transportation Worker Identification Credentials (TWIC)

JOSH DEARING

Operations Manager, Environmental Services

Josh Dearing has more than 18 years of experience in the environmental services industry as a field technician, haz-mat responder, site superintendent, and operations manager. Josh has expertise in responding to emergency responses, including train derailments, pipeline releases, hazardous/non-hazardous chemical spills, UST installations and removals, and cleaning/demolition of ASTs.

EDUCATION
2 years of degree work, Business, Eureka College, 1998

TRAINING AND CERTIFICATIONS
OSHA 40-hour HAZWOPER
OSHA Annual 8-hour Refreshers
Advanced First Aid/CPR (American Red Cross)
RCRA Hazardous Waste Management
DOT Hazardous Material
Confined Space Entry – Supervisor
Confined Space Entry Rescue – Team Member
Advanced Tank Car Specialist (CSX – 24-hour)
E-RAILSAFE Certification
Tank Entry – Supervisor (American Petroleum Institute)
UST Installation/Retrofitting (NCCER Pipeline)
Fall Protection
Trenching & Excavation – (Association of Reciprocal Safety Council)
Transportation Worker Identification Credentials (TWIC)

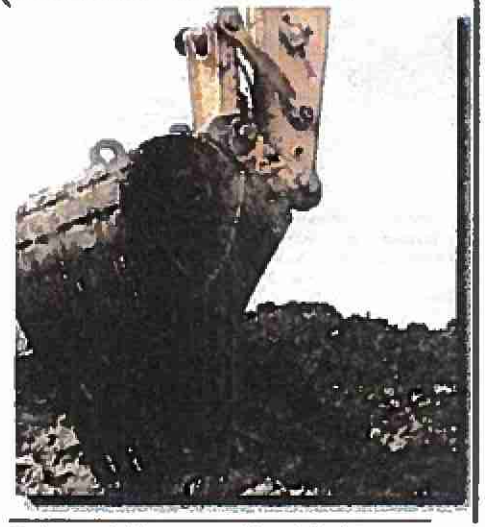
JOHN EHRNFELT, PE

Vice President, Remediation Services

John Ehrnfelt has worked on a wide variety of environmental, remediation, and civil projects including industrial site cleanups, brownfield redevelopments, soil and groundwater treatment, waste management, stormwater management, landfill construction, and demolition. He has performed site assessments, remedial design, project management and estimating for several large remediation projects. John also has strong regulatory program experience, including working with the Ohio Voluntary Action Program, RCRA, and CERCLA.

EDUCATION
Bachelor of Science, Civil and Environmental Engineering, Cleveland State University, 2006
Professional Engineer (P.E.)

TRAINING AND CERTIFICATIONS
OSHA 40-hour HAZWOPER
OSHA Annual 8-hour Refreshers
Professional Engineer (P.E.), State of Ohio
Advanced First Aid/CPR (American Red Cross)
Excavation/Trenching Competent Person



JIM HAWKINS

Director of Operations, Remediation Services

Jim Hawkins has more than 20 years of experience in the environmental services industry as an equipment operator, foreman, and field superintendent. Jim has developed expertise in haz-mat response (petroleum, volatiles, metals, PCBs); on-site project infrastructure excavation, transportation and disposal of contaminated soils; dredging and dewatering PCB soils, water, and sludge; landfill closure, drainage and sediment; levee and earth dam construction, stabilization/solidification and erosion control; manufactured gas plant remediation; wetlands construction/restoration; excavation, transportation and disposal of contaminated soil; and confined space entry.

EDUCATION
Three Rivers High School, Three Rivers, MI
Equipment Operator "A" school, U.S. Navy

TRAINING AND CERTIFICATIONS
OSHA 40-hour HAZWOPER
OSHA Annual 8-hour Refreshers
OSHA 10-hour Safety
Confined Space Entry
Confined Space Entry Rescue
Teamwork Communication – I, II
Navy Leadership
Advanced First Aid/CPR (American Red Cross)
Excavation/Trenching Competent Person
MSHA
Transportation Worker Identification Credential (TWIC)

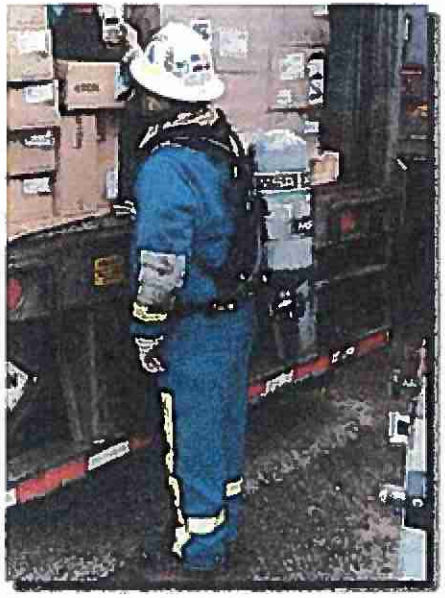
CHRIS CURTIS

Program Manager

Chris Curtis has over 29 years of diverse environmental industry experience specific to remediation, industrial, railroad, and emergency response projects. He has served in roles as a project manager, project superintendent, and regional manager.

EDUCATION
Bachelor of Science, Construction Technology, Purdue University

TRAINING AND CERTIFICATIONS
OSHA 40-hour HAZWOPER
OSHA Annual 8-hour Refreshers
OSHA Annual 8-hour Refreshers – Supervisor
RCRA Trenching and Excavating
OSHA Confined Space
OSHA Site Safety Officer
Advanced First Aid/CPR (American Red Cross)
CSX Roadway Worker Protection
E-RAILSAFE Certification



SCOTT WILSON

Program Manager

Scott Wilson has over 29 years of diverse operational and project management experience in the emergency response, site remediation, stream and sediment remediation and restoration and earth-moving industry. Scott has served as a field technician, site supervisor, project engineer, operations manager, division manager and divisional senior vice president.

EDUCATION
Bachelor of Science, Environmental [illegible]
Madison University, 2002

TRAINING AND CERTIFICATIONS
OSHA 40-Hour Health and Safety Trai[illegible]
OSHA 8-Hour Annual HAZWOPER Refres[illegible]
OSHA 40-Hour Health and Safety Training – 8-Hour Incident Command
E-RAILSAFE Certification
CSXT Annual Contractor Training
CSXT Redi Center 24-Hour Advanced Tank Car Specialist Training
Transportation Technology Center (TTCI) 40-Hour Advanced Tank Car Specialist
CSXT Roadway Worker Protection Training
OSHA Confined Space Entry Supervisor
RCRA Annual Review Training

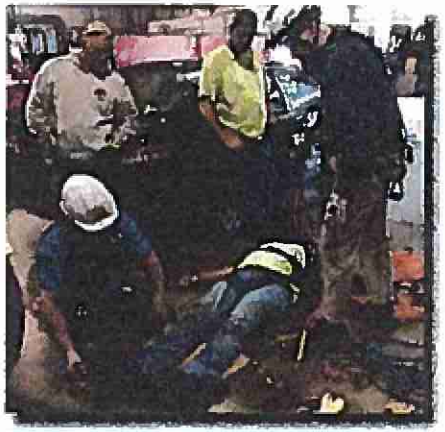
JIM GRESS

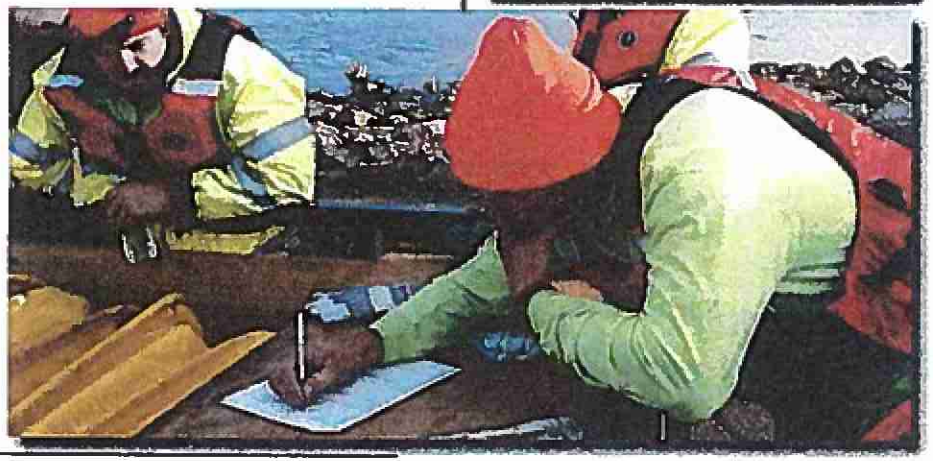
Director, Environmental, Health & Safety

Jim Gress has more than 25 years of experience in the hazardous waste industry with site characterization and remediation; waste characterization, transportation and disposal; safety program development; worker training; data management; and corporate-level regulatory policy and program development. He has worked in project management, site supervision, training, data management, technical writing and public relations.

EDUCATION
Masters, Applied Communication Theory and Methodology, Cleveland State University, 2000
Bachelors of Arts, Communication, Cleveland State University, 1994

TRAINING AND CERTIFICATIONS
OSHA 40-hour HAZWOPER
OSHA Annual 8-hour Refreshers
RCRA Hazardous Waste Management
DOT Hazardous Material
Confined Space Entry
Current Medical Surveillance Documentation
Fit-Tested for Respirator Use
Advanced First Aid/CPR (American Red Cross)





KARA ALLISON, APR

Vice President, Sales & Marketing

Kara Allison directs corporate development strategies and communications for EMS. Kara's niche expertise is a unique blend of her previous 20 years of experience as a nationally-recognized environmental consultant, a media relations coordinator for the Ohio Environmental Protection Agency, and a former newspaper reporter. An expert in business and project development, state and federal environmental policy issues, reputation management, community outreach, media strategy, and crisis communications, Kara builds credibility with clients, legislators, government officials, municipalities, community groups, and reporters by helping them understand the various environmental issues associated with projects.

EDUCATION
Bachelor of Arts, Journalism, Politics & Government, Humanities & Classics, Ohio Wesleyan University, 1995

TRAINING AND CERTIFICATIONS
Accredited in Public Relations (APR)
NIMS PIS and ICS-100 (FEMA)
Public Relations Society of America (PRSA)
PRSA, Central Ohio Chapter
PRSSA Professional Advisor, Marietta College
MSECA Board of Directors
Manufacturing Alliance of Communities
Ohio Economic Development Association, Brownfields Subcommittee
Ohio Women in Government
Commercial Real Estate Women, Greater Cincinnati
Registered Lobbyist, State of Ohio
Colonel, The Honorable Order of Kentucky Colonels

BRUCE MARKEY, LPG

Director, Business Development

Bruce Markey has more than 25 years of environmental experience in business development and developing client relationships in the public and private sector. Bruce has managed over 35 brownfield projects under the VAP, CORF and JobsOhio programs in Ohio involving site remediation, demolition, industrial cleaning, waste management, landfill capping, environmental construction, and vapor intrusion. Bruce is a certified applicator and inspector for various vapor barrier systems. Bruce is a Licensed Professional Geologist.

EDUCATION
Bachelor of Science, Geology, [redacted] 1979

TRAINING AND CERTIFICATIONS
Licensed Professional Geologist – Indiana (IN 1157)
Certified Liquid Boot Inspector
OSHA 40-hour HAZWOPER
OSHA Annual 8-hour Refreshers
OSHA Annual 8-hour Refreshers – Supervisor
Confined Space Entry
LPS Behavior-based Safety Training
Current Medical Surveillance Documentation
Fit-Tested for Respirator Use
Advanced First Aid/CPR (American Red Cross)

ENVIRONMENTAL SERVICES DIVISION

VACUUM TRUCK SERVICES

EMS owns and operates a fleet of wet and dry vacuum trucks to remove liquids, sludges and/or solids from a wide variety of sites. Our super sucker vacuum trucks can transport waste directly to appropriate disposal facilities or transfer waste to vacuum boxes, frac tanks, or other containers for temporary storage on-site or off-site at an EMS service center.

EMS vacuum trucks also provide various onsite services including vacuum enhanced recovery (dual phase extraction), product transfers, dewatering and support for various industrial service, emergency response, and storage tank management needs.

TANK AND PIT CLEANING

EMS has thoroughly trained technicians and owns the equipment required to enter and clean various-sized tanks and pits to remove all kinds of liquids, sludges, solids, and debris. All EMS employees are confined space entry trained and have experience cleaning even the most difficult-to-clean spaces while safely managing a wide variety of hazardous conditions.

OILFIELD SERVICES

From tank cleaning to emergency response, and super sucker vacuum trucks, EMS provides a wide range of services to the oil and gas industry, including:

- Emergency response (frac-outs, spills, etc.)
- Tank cleaning
- Mud pit cleaning
- Rig washing
- Super sucker vacuum truck services
- Waste containers (roll-off/vac boxes)
- Air knifing (pipeline excavation)
- Equipment decontamination
- Roll-off trucking

PRESSURE WASHING

EMS performs a variety of pressure washing services. Our portable fleet consists of units that range from 3,000 psi to 10,000 psi and includes both cold and hot pressure washing capabilities, which can be coupled with the use of environmentally friendly degreasers to clean oils, lubricants, greases and fats. We also provide field equipment designed to provide self-contained water to clean areas that have limited water availability.

EMERGENCY RESPONSE

EMS has highly-trained people and state-of-the-art equipment ready and prepared to respond to a broad range of environmental emergencies, including releases at transportation facilities, industrial facilities, utilities, and energy facilities. We also manage releases on roadways, railways, pipelines and waterways including lakes, rivers and tributaries.

Our extensive land and water resource capabilities include:

- Abandoned wastes
- Damaged goods
- Derailments
- Leaking containers
- Leaking transformers
- Natural disasters
- Pipeline releases
- Roadside spills
- Waterway releases

At EMS, we manage spills from start-to-finish with various processes, including:

- Establishment of secondary containment for leaking containers
- Containment booms and sorbent media, booms, and pads
- Recovering and transferring of product
- Protection of sensitive areas
- Prevention of spilled product migration
- Installation and maintenance of siphon dams
- Waste characterization
- Transportation and disposal of contaminated soils, materials, and wastes
- Site restoration to pre-spill conditions
- Thorough post-cleanup documentation

WASTE TRANSPORTATION

EMS is licensed to haul both hazardous waste and non-hazardous waste throughout our operating area. Our diverse fleet includes roll-off trucks, tilt gate box trucks, vacuum trucks, and tractor trailers. EMS employs a full-time DOT compliance officer and conducts regular safety and DOT compliance training with drivers and operators on all aspects of truck driving and operation.

PRODUCT TRANSFER

During routine maintenance projects or emergency response incidents, EMS has trained personnel and state-of-the-art equipment to transfer hazardous, non-hazardous, or food grade products from rail cars, storage tanks, or tankers. With the use of hydraulic or air driven pumps, EMS can transfer any amount of product at a transfer rate of up to 300 gallons per minute.

LINE JETTING AND INSPECTION

EMS owns specialty equipment and employs trained technicians to provide full-service line jetting services to remove obstructions, residues and/or contamination from sewer lines. EMS also provides line video inspection to evaluate the condition of a sewer line and to confirm successful cleaning after work completion.

FRAC TANKS, ROLL-OFF BOXES, AND VACUUM BOXES

EMS provides all types and sizes of bulk storage necessary to facilitate our work at project sites including frac tanks, roll-off boxes and vacuum boxes. Whether the need involves temporary fuel storage, contaminated water storage, sludge/sediment storage, or contaminated soil containerization, EMS can provide sufficient quantities of all appropriate containers.

HYDRO-EXCAVATION

EMS provides hydro-excavation on certain sites as an alternative to conventional excavation methods. Unlike traditional mechanical excavation, there is little chance of damage or disruption to critical underground utilities when pressure washing and high-power vacuuming are utilized to excavate. Hydro-excavation allows EMS to penetrate various soil conditions, depths, widths and

angles, while preserving natural surroundings. Hydro-excavation equipment is directed at the desired excavation point while the soil slurry is vacuumed into a vacuum truck to be contained and/or transported off-site.

AIR KNIFING

Similar to hydro-excavation (without the water), air knifing utilizes high velocity air to penetrate, expand, and break up soil. The soil is then removed from the area using a powerful vacuum. Air knifing (aka potholing or daylighting) includes all of the advantages of hydro-excavation. In addition, air knifing results in dry soil waste, which typically reduces disposal costs compared to the slurry produced through hydro-excavation.

Typical air knife applications include:

- Surgical excavation around known or suspected utilities
- Pre-drilling location clearance
- Underground utility location verification
- Underground piping and conduit repairs
- Rehabilitation/desilting of small diameter injection wells

EQUIPMENT DECOMMISSIONING AND FACILITY DECONTAMINATION

EMS provides all facets of equipment decommissioning and facility decontamination from small-scale product line removal to large-scale facility closure activities.

WASTE CHARACTERIZATION AND REMOVAL

EMS provides all aspects of waste management, including lab packing, waste identification, characterization, containerization, transportation, and treatment and disposal. EMS offers recycling, treatment, and disposal alternatives for all types of hazardous and non-hazardous waste in bulk as well as drum quantities. EMS strives to provide customers with same-day, competitive price quotations as well as fast-track waste approval and shipment. Customers rely on EMS to handle all kinds of RCRA hazardous waste, TSCA regulated waste, and non-hazardous waste.

EMS customers have the assurance that their waste materials are managed in strict accordance with all laws and regulations. The EMS system of environmental care starts at the generator's site with waste characterization and continues through the receipt and processing of the materials at the disposal facility. EMS personnel are experts at determining the most economical and environmentally-sound destination for each waste stream, and also assist customers with cost-saving alternatives related to waste generating processes, treatment options, and material packaging.

CONFINED SPACE RESCUE TEAMS

When it comes to worker rescue, there are two types: non-entry and industrial entry teams. In most cases, non-entry rescue is preferred. But for many confined space rescue situations – which are often complex and dangerous – entry rescue teams are the only option.

Unlike non-entry rescue, which often can be performed by the entry attendant with minimal training, emergency service teams have more in-depth training and use specialized equipment to save the worker trapped in the confined space.

EMS has thoroughly-trained entry rescue teams and the specialty equipment required to support our clients in the event of a confined space rescue.

TRAINING SERVICES

Our EMS trainers are industry experts straight from the field with extensive hands-on experience in a wide variety of EHS disciplines. This experience enables our uniquely-qualified trainers to put safety procedures into context and use real-world scenarios to explain the "how to" in the classroom. EMS training is about more than checking boxes. We focus on helping trainees learn and truly understand **what to do, how to do it, and why it needs to be done.** Doing so leaves a lasting impact and leads to **safety in action.** EMS is your **ONE CALL** for:

- 40-Hour HAZWOPER
- 24-Hour HAZWOPER
- 8-Hour HAZWOPER Refresher
- Confined Space Entry (CSE)
- Confined Space Rescue (CSR)
- DOT Hazardous Materials
- ICAO/IATA Hazardous Materials
- IMO/IMDG Dangerous Goods
- Lockout Tag Out
- PEC SafeLand
- Personal Protective Equipment
- RCRA Hazardous Waste
- Respiratory Protection (with Fit Testing)
- First Aid/CPR/AED (can be offered as part of 40-hour, 24-hour, and CSR)

ENVIRONMENTAL CASE STUDIES

Former Automotive Stamping Plant – Waste and Industrial Services – Hilliard, OH
EMS provided characterization and removal of various hazardous and non-hazardous waste containers in addition to bulk waste removal and confined space industrial cleaning. EMS removed approximately 250,000 gallons of oil and water from two oil water separators and five press pits, and pressure washed all surfaces utilizing 5,000-psi hot pressure wash units. EMS safety protocols required the implementation of lockout/tagout procedures, confined space procedures, and continuous air monitoring throughout the work.

Railroad Locomotive Terminal – Emergency Response – Indianapolis, IN
EMS responded to a large gasoline spill at a locomotive terminal in Indianapolis. The cause of the spill was a leaking petroleum pipeline that ran through the terminal. Approximately 100,000 gallons of gasoline was discharged to a drainage ditch located on the property which in turn discharged to a retention basin. EMS mobilized 3 supervisors, 6 operators and 5 technicians to the project site from 4 different EMS locations along with 5 service trucks, 3 vacuum trucks, and assorted PPE, pads, pillows and booms. EMS crews worked around the clock (12-hour shifts) and through the weekend for five days vacuuming gasoline from the retention pond and the drainage ditch. After the bulk liquid was removed from the affected areas, EMS transitioned to air knifing, hand digging, and heavy equipment operation to remediate the impacted soils. Over 4,000 tons of impacted soil, as well as 500,000 gallons of water and product, was removed and transported for off-site disposal.

Storm Damage (37 Transformer Spill Sites) – Emergency Response – Southern Ohio
As a result of a severe windstorm, EMS responded to multiple locations where transformers had released PCB and non-PCB oils. Several EMS crews with proper personal protective equipment (PPE) worked for seven days following the storm to complete site cleanup, waste management and thorough site documentation for a total of 37 spill sites. The high volume of work, rapid response time requirements, and remote location of many of the sites presented unique challenges. EMS overcame these challenges while also addressing all commitments associated with daily EMS operations. Nothing less than extraordinary effort by our supervisors and crews enabled EMS to succeed in this emergency response. All 37 sites were granted NFA (No Further Action) status and were closed out in accordance with applicable regulatory requirements.

Train Derailment – Emergency Response – Northern Ohio
EMS responded to a train derailment with the release of 13,000 gallons of flammable liquid. EMS mobilized a multidisciplinary crew to complete installation and provide 24-hour product recovery services. EMS simultaneously assisted in delineating the extent of the spill through precision test pitting, including air knife excavation near a major fiber optic line. EMS also conducted extensive confined space entry work, examining on-site subterranean structures for spill-related waste. After establishing the limits of the spill, EMS assisted in the design of remediation technologies to mitigate off-site migration and consequently completed the installation of approximately 500 linear feet of sheet piling to prevent product from impacting a nearby marsh. Following the initial response, EMS was retained to provide daily product recovery support and waste transportation services while assisting with additional exploratory excavation, temporary water treatment system installation, and site maintenance. In total, EMS mobilized two incident commanders, two project managers, six supervisors, 11 operators, 15 technicians, seven vacuum trucks, three roll-off trucks, two air lancers with compressors, and 12 service trucks, in addition to multiple pieces of heavy equipment, 10 carbon vessels and four fully-equipped project trailers.

Tank Cleaning at Major Terminal Storage Facility – Industrial Services – Cincinnati, OH
EMS provided tank and line cleaning services for tanks containing canola oil as part of a product change-over. The process involved the use of a 10,000-psi water blaster, scaffolding, and all appropriate protocol for confined space entry. EMS crews cleaned and unloaded the line from the tank manifold to the rack, removed remaining product from the tank into a vac truck for transportation

and disposal, and powerwashed the walls and floors of the tank to clean it for new product storage. As a result of our attention-to-detail and strong safety practices, EMS continues to gain repeat work at this terminal.

Hydrostatic Testing Projects – Environmental Services and Emergency Response – Northern Kentucky
EMS was awarded a contract by a major utility to provide environmental services and emergency response support for hydrostatic testing projects in Northern Kentucky. Responsibilities included providing emergency response spill support, including vac truck services and spill containment/response measures; storage of pipeline cleaning solutions and rinse water; analysis, permitting and field coordination to allow for disposal of hydrostatic test water to the local sanitary sewer system; analysis, treatment and disposal of cleaning solutions and rinse water at an approved facility; overall environmental project management; and site safety. Additional roles taken on during these projects included providing erosion and sediment controls for disturbed areas in accordance with the SWPPP plan; providing roll off containers and disposal of pipeline pigging materials; providing PCB characterization of natural gas condensates and scrap piping; providing cleaning and disposal services for hydrostatic testing frac tanks; and providing asbestos abatement of coal tar coatings and gaskets encountered on the pipelines and ancillary equipment during the course of the project.

Tank and Pit Cleaning for Shale Gas Drill and Completion Pads – Industrial Services – Eastern Ohio and Western Pennsylvania
EMS was contracted to provide frac tank cleaning, pit cleaning and vacuum truck services for multiple drill pads across Eastern Ohio and Western Pennsylvania. During rig skids or moves, EMS crews utilized hot pressure washer units and vacuum trucks to clean sludge and mud from frac tanks and pits, often under extreme weather conditions. Responsiveness, a strong work ethic, quality equipment and detailed record-keeping have been recognized by this producer as key EMS differentiators.

Residential Property – Emergency Response, Air Knifing and Vapor/Fluid Recovery – Carrollton, OH
EMS responded to a gasoline release from a petroleum facility onto a residential property. This project included air knifing, excavation, backfill, well installation, vacuum enhanced recovery (dual phase extraction), SVE system installation (soil vapor extraction) including design and construction, line jet camera video inspection and site restoration. EMS's multi-stage approach resulted in the safe and permanent elimination of hazardous conditions on the property.

Solidification Services for Shale Gas Drill Pads – Industrial Services – Eastern Ohio
EMS was contracted to provide 24-hour on-site solidification services for multiple drill pads. Operator/supervisors were assigned to shale gas drill pads, where they employed the use of excavators to mix drill cuttings and related process fluids with power ash to solidify the waste in preparation for disposal. Operators were responsible for continuously solidifying and loading out waste to enable the drilling operations to flow seamlessly. Additionally, operators assisted with other rig duties as requested.

...and more projects of varying size and complexity.

REMEDIATION SERVICES DIVISION

SITE REMEDIATION

EMS provides a diverse range of remediation services including:

- Multi-faceted remediation
- Hog-and-haul site remediation
- MGP site remediation
- Hazardous soil and groundwater treatment
- In-situ remediation system installation
- Gas and vapor barrier installation
- Sheet piling
- Impoundment pond and lagoon remediation
- Fueling station cleanup and UST removal
- Wetland, stream and channel restoration

EMS supplies top-quality field crews and equipment on each and every project site. Our equipment operators and hazardous material technicians have extensive and diverse project experience, and are well-respected in the environmental industry. We own a large assortment of equipment and also have ongoing contracts with several equipment suppliers throughout our operating area to support our project needs.

TRANSPORTATION AND DISPOSAL OF CONTAMINATED SOIL AND WATER

EMS has completed hundreds of projects involving excavation of contaminated soil for off-site disposal. We've utilized dozens of disposal facilities for hazardous waste soil, non-hazardous soil, and soils meeting regulatory guidelines for beneficial reuse. EMS maintains ongoing relationships with numerous disposal and recycling companies and is familiar with their capabilities and approval requirements to ensure a smooth and efficient working relationship from the initial approval process through final documentation receipt.

EMS also has extensive experience with management of contaminated water. When contaminated water is encountered on a site, EMS has a wide variety of equipment to pump, filter, and containerize the water for characterization treatment, discharge, or off-site disposal.

Backfill supply and placement is a key element of any site remediation project involving the removal of contaminated soil. EMS personnel have broad civil construction experience and are knowledgeable about industry standards, means and methods required to achieve proper geotechnical placement, and compaction of backfill. With our extensive regional supplier and vendor relationships, EMS is able to provide specified backfill at a cost-effective price for any project.

MGP SITE CLEANUP

EMS is an experienced manufactured gas plant (MGP) site remediation contractor with expertise managing the unique challenges and specific regulatory issues that apply to these sites. We are familiar with various cleanup and disposal alternatives associated with MGP sites, and EMS personnel are accustomed to the special subsurface conditions typical to MGP sites.

HAZARDOUS SOIL AND GROUNDWATER TREATMENT

As part of our pledge to be "more than a contractor," EMS strives to provide innovative approaches to meeting cleanup goals by the most economical means and methods possible. EMS has specialized expertise with several in-situ remediation technologies with an emphasis on safety, cost reduction, performance, and ease of use.

In-situ treatment of contaminated soil and groundwater can be achieved by various means and methods. Injection is a viable and effective process on many sites, especially for groundwater. The soil treatment method preferred by EMS involves in-situ mixing with excavation equipment and specialty mixing attachments. Because the contamination is treated directly within the impacted area ("in-situ") prior to generation of a waste, this method is especially beneficial when addressing contamination levels in excess of hazardous waste standards.

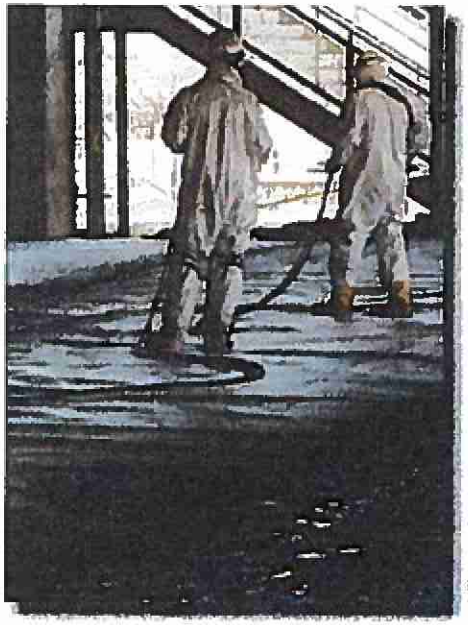
When comparing in-situ mixing and treatment of soil to more traditional "hog and haul" methods of hazardous waste remediation, in-situ treatment

achieves three simultaneous key objectives:

1. It significantly reduces overall project costs.
2. It is fast-acting.
3. It prevents the generation of hazardous waste.

EMS utilizes various in-situ remediation technologies when addressing soil and groundwater contamination, including the following:

- In-situ chemical oxidation (ISCO)
- Metals stabilization/fixation
- Enhanced aerobic biodegradation
- Enhanced reductive dechlorination



IN-SITU REMEDIATION SYSTEM INSTALLATION

EMS has extensive experience with the construction and installation of in-situ remediation systems, including soil vapor extraction (SVE), air sparge, and pump & treat systems. EMS will procure the system components, construct the system, and install associated trenches, piping and wells per the system specifications.

GAS AND VAPOR BARRIER INSTALLATION

Impermeable membranes are an ideal use on brownfields and other contaminated sites as an engineering control for pollution containment. As a certified installer of various types of gas and vapor barrier systems, EMS can provide installation and design assistance to complete these complex projects.

EMS installs a variety of seamless cold spray applied, water-based, and VOC-free membranes and venting systems which provide a barrier against vapor intrusion into structures on brownfields or other environmentally impaired sites. EMS also installs various 2-part odorless, VOC-free vapor intrusion coating systems that consist

of chemically resistant materials to protect existing floor slabs and structures from the threat of contaminant vapor intrusion.

SHEET PILING

EMS provides installation of sheet piling in various configurations and site conditions. Using a vibratory drive head attached to a 35-metric-ton excavator, EMS has installed thousands of feet of steel sheeting, as well as HDPE sheeting, to prevent migration of contaminants of concern (COCs). EMS provides this service as a component of our site remediation capabilities, as well as a containment measure during large emergency response incidents.

IMPOUNDMENT POND AND LAGOON REMEDIATION

EMS is experienced with various means and methods for dewatering and solidifying sediment and sludge. EMS has a variety of equipment with which to effectively manage small to large-scale dewatering and solidification projects.

STORAGE TANK REMOVAL

EMS provides comprehensive tank removal, decommissioning, and demolition services across our operating area.

With several certified personnel on staff, EMS provides turn-key removal services for various sizes of aboveground storage tanks (ASTs) and underground storage tanks (USTs), including the following:

- Permitting and inspection
- Product removal and tank cleaning
- Tank decommissioning and demolition
- Tank system removal
- UST closure-in-place
- Contaminated soil removal
- Site restoration

WETLAND, STREAM, AND CHANNEL RESTORATION

EMS specializes in working collaboratively with consultants to implement design-build plans that improve the condition of wetlands, streams, channels, and other natural systems. The EMS team is qualified to restore degraded streams and wetlands to systems with enhanced fish and wildlife habitat, increased stability, diverse riparian corridors, and improved water quality. We are well-versed in deploying a broad range of construction techniques and measures in ecologically-sensitive systems, while working within the regulatory parameters for these specialized restoration projects.

BROWNFIELD DEMOLITION

Because a large percentage of brownfield cleanup projects involve a combination of demolition and site remediation, EMS has expanded our capabilities to include demolition services. By hiring qualified and experienced personnel and investing in specialized demolition equipment, EMS is able to provide turn-key demolition services along with our core remediation capabilities.

Not only is EMS able to reduce costs for our customers by self-performing both demolition and remediation work, but we are also better able to manage quality control and provide an exceptional level of project reporting and documentation.

On large sites with complex demolition needs, EMS often teams with strategic partners in the demolition industry. Combining resources and expertise on large-scale brownfield projects has proven to be the safest, most economical, and most efficient approach to many of our projects.

We have a tremendous safety record, expertise in various disciplines, a proven track record and extensive project management experience on complex, high-profile redevelopment sites. Our project execution and documentation in this arena are second to none.

LANDFILL REMEDIATION

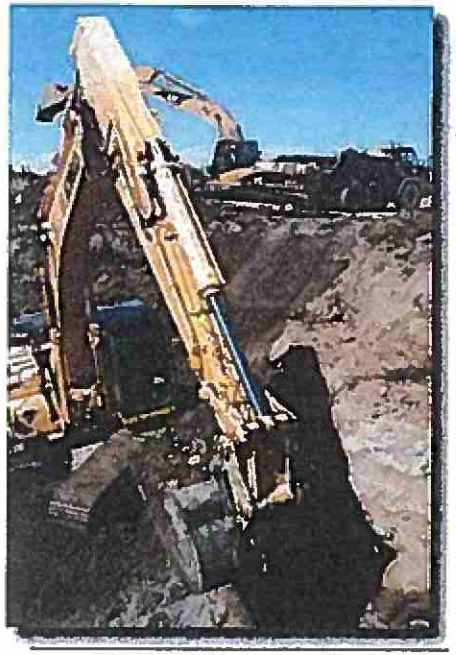
EMS specializes in landfill capping, repairs, closures and cell expansions, including:

- Geo-composite liner (GCL), HDPE liner, and cap construction
- Leachate collection piping
- Limited new cell expansion

SITE RESTORATION

Many of our equipment operators and site supervisors have extensive civil construction experience. As such, EMS is able to provide a seamless transition from remediation to restoration of the project site. Site restoration services provided by EMS include:

- Clearing and mulching
- Earthwork and grading (GPS accuracy and laser-grade quality)
- Excavation
- Backfilling
- Paving
- Revegetation
- Stream and wetland restoration
- Geo-composite lining (GCL)
- Lease and access road construction
- Water and sewer line construction



REMEDIATION CASE STUDIES

Former Manufactured Gas Plant (MGP) Facility – Site Remediation – Marion, OH

The objective of this project was to remove all soils impacted as a result of historic gas manufacturing activities on this 1.06-acre site, while protecting utilities in the work area and the health and safety of site workers and residents in the surrounding neighborhood. EMS removed a total of 19,000 tons of contaminated soil, placed 10,000 cubic yards of backfill, and placed topsoil and seed across the site. This project was completed on time and under budget despite exceptionally wet weather and related challenges associated with backfill placement and compaction.

Former Automotive Manufacturer – Gas Vapor Barrier – Columbus, OH

Due to the site history and compliance standards required under the Ohio Voluntary Action Program (VAP), approximately 240,000 square feet of 60-mil gas vapor barrier was installed as part of a passive vent system designed to mitigate potential residual vapors and meet residential indoor air standards. In total, EMS installed more than 16,000 linear feet of 2-inch diameter vent pipe and more than 240,000 square feet of 60-mil LiquidBoot® liner.

Former Dry Cleaner – Site Remediation – Lyndhurst, OH

On an especially expedited schedule, EMS worked closely with the environmental consultant to characterize and classify contaminated soil in several identified areas across the site into five distinct disposal categories. EMS excavated and disposed of 6,800 tons of non-hazardous soil, 700 tons of hazardous waste soil for treatment or direct landfill, and 388,000 pounds of hazardous waste soil for incineration. Due to the close proximity to neighboring properties, EMS utilized vapor suppressing foam during certain phases of the project.

In conjunction with soil removal activities, EMS placed more than 7,700 tons of engineered fill across the site with construction-grade compaction. EMS also removed 200 tons of subsurface concrete structures and 10,000 gallons of contaminated groundwater. In addition, EMS conducted air knifing in the right-of-way in order to remove contaminated soil while protecting underground utilities in the area. This $1 million Clean Ohio Revitalization Fund project was completed by EMS on schedule (23 working days from start to finish), under budget, and to the complete satisfaction of the environmental consultant and property developer.

Commercial Property Development – Site Remediation and In-situ Soil Treatment – Cleveland, OH

In accordance with a Rule 13 permit and the Ohio EPA Voluntary Action Program, EMS mobilized to this former manufacturing facility and removed 38,000 tons of soil contaminated with petroleum and heavy metals. Of that total, 3,000 tons of soil contained lead in excess of hazardous waste standards. EMS stabilized the lead-contaminated soil in place (in-situ), which in turn delivered significant savings compared to costs that would have been associated with off-site disposal as hazardous waste.

Former Landfill – Wetland Construction – Steubenville, OH

EMS was contracted to construct two bioremedial wetlands for the treatment of leachate seeps from a former landfill. A total of 3.50 acres of area was cleared to provide for the installation of two separate wetland features. Erosion and water filtration controls were installed to maintain water quality, as both wetland areas were constructed in conjunction with existing streams. Excavation of 3,000 cubic yards of unusable soils and overburden was required prior to initial grading of the areas. EMS imported, placed, and compacted a total of 4,500 cubic yards of soil to build the required berms and basin areas. Following the grading process, the basin then was lined with a welded 40-mil geomembrane liner and covered with native soils excavated from other areas on site. The wetlands were then planted with native wetland plant material for the filtration of the seep water prior to discharge through an engineered drainage system. All adjacent areas were restored with native grass species.

Former Automotive Manufacturer – Site Remediation and Tank Removal – Baltimore, MD

EMS was contracted to remove eight USTs, five oil/water separators and 200 tons of petroleum-contaminated soil from the project site. The projected two-week project was completed in six days. EMS delivered a 25 percent savings to the customer compared to bids received from local contractors from the Baltimore area. EMS remobilized during a subsequent phase of the project to excavate and remove 2,000 tons of lead-contaminated hazardous waste soil. EMS completed this soil removal on schedule and under budget.

Superfund Site – Site Remediation and Landfill Cap – Zanesville, OH

EMS conducted in-situ stabilization of 10,000 tons of lead-contaminated soil at the site. After being treated to below regulatory standards, the soil was then excavated and transported to a non-hazardous waste landfill. We then imported thousands of tons of clay and graded the site to specifications developed by the environmental consulting firm in preparation for installation of a landfill cap. EMS then installed the landfill cap and liner, as well as all associated engineering controls. One notable obstacle on this project was the unusually large amount of rainfall encountered at the job site during construction. EMS worked through these challenges and the project was completed to the consultant's complete satisfaction.

Former Industrial Property – Remediation System Installation and In-situ Soil Treatment – Canton, OH

EMS successfully installed air sparge, soil vapor extraction (SVE), and groundwater hydraulic barrier in-situ remediation systems according to the specifications; removed perchloroethylene (PCE)-contaminated soil to the point of compliance; backfilled all excavations with construction-grade compaction; and restored all surface features across this challenging former industrial site.

This project included removal of 7,320 tons of soil with non-hazardous PCE concentrations and 1,430 tons of C&D debris, as well as treatment and removal of 2,360 tons of soil with initial PCE concentrations above the hazardous waste standard. As part of a chemical oxidation treatment designed for the site, chemicals were mixed in-situ with the contaminated soil with initial PCE concentrations above the hazardous waste standard. Mixing took place in lifts using an excavator and mixing attachments. Mixing operations were conducted in various levels of personal protective equipment (PPE) from Level D PPE to Level B PPE. Vapor suppressing foam was utilized as needed based on air monitoring in order to prevent any impact on neighboring properties.

Former Industrial Facility – Site Remediation and Demolition – Cleveland, OH

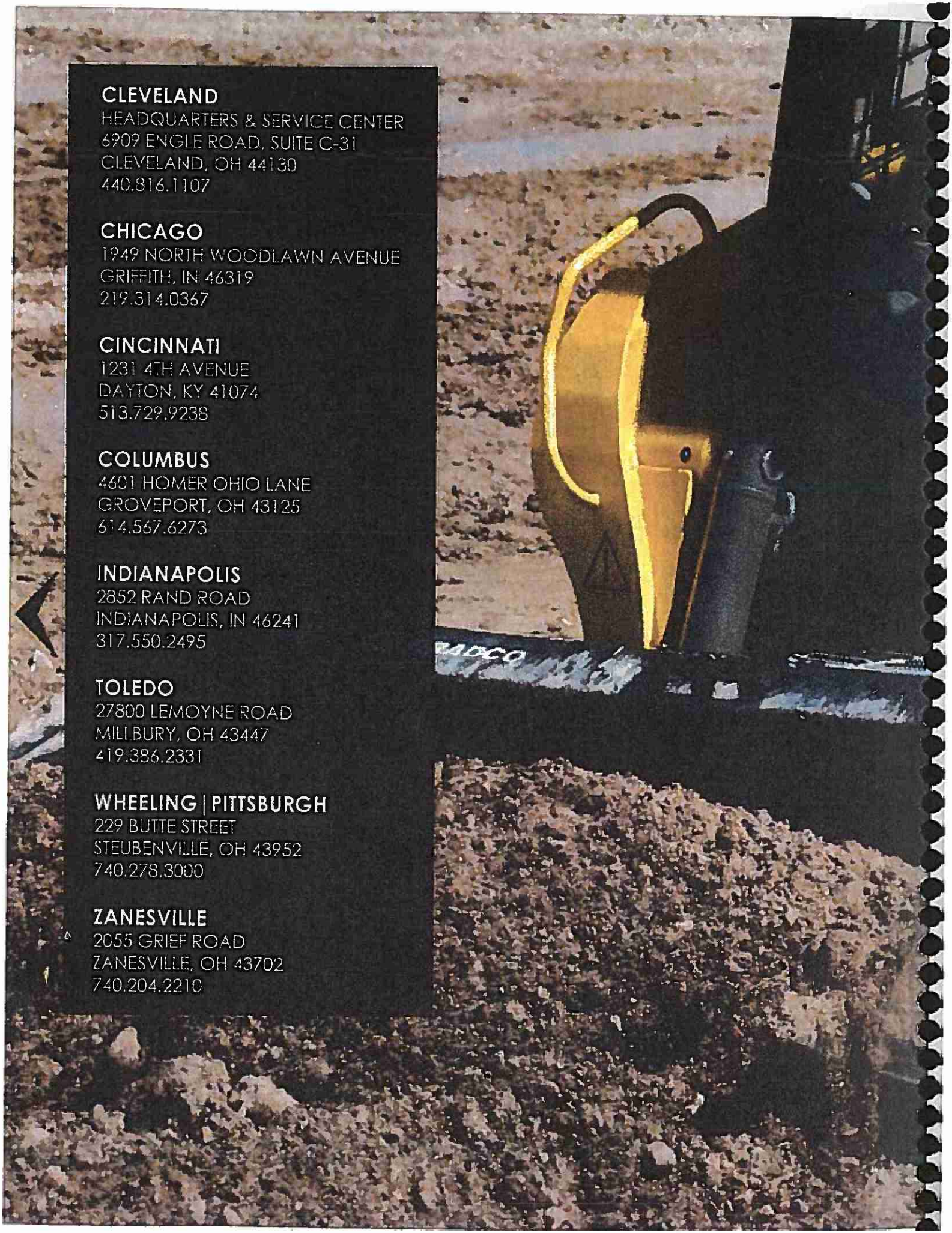
EMS was contracted to provide removal and disposal of all building foundations, slabs, basements, vaults and retaining walls, contaminated soil, and existing utility lines at this former industrial site. EMS removed a total of more than 4,000 cubic yards of subsurface concrete and 49,000 tons of contaminated soil. The entire site was backfilled with various fill materials and graded per the specifications.

Former Industrial Facility – Site Remediation and Tank Removal – Cleveland, OH

Before demolition of the existing five-story building, EMS mobilized to identify, containerize, transport, and dispose of a wide variety of hazardous wastes inside the former industrial facility. Immediately following demolition, EMS mobilized to remove 90,000 gallons of petroleum-contaminated water from three 20,000-gallon USTs and one 42,000-gallon UST. EMS then excavated, crushed and removed the four USTs from the site under the direction of our in-house certified tank installer. Prior to removal of soil, lab analysis indicated elevated levels of PCBs in the soil at two areas of the property. This discovery resulted in 2,500 tons of low-level PCB-contaminated soil being hauled to a non-hazardous disposal facility and 400 tons of high-level PCB-contaminated soil being hauled to a TSCA disposal facility. After receipt of analytical results, EMS immediately submitted waste profiles for rush approval and was able to remobilize to the site the next day to begin removing both hazardous and non-hazardous soil. The fast turnaround minimized the costs associated with standby time and kept the site redevelopment project on schedule. From other areas on the site, an additional 1,300 tons of petroleum-contaminated soil was hauled for bioremediation.

...and more projects of varying size and complexity.

Some of our Clients we are so honored to serve...



CLEVELAND
HEADQUARTERS & SERVICE CENTER
6909 ENGLE ROAD, SUITE C-31
CLEVELAND, OH 44130
440.816.1107

CHICAGO
1949 NORTH WOODLAWN AVENUE
GRIFFITH, IN 46319
219.314.0367

CINCINNATI
1231 4TH AVENUE
DAYTON, KY 41074
513.729.9238

COLUMBUS
4601 HOMER OHIO LANE
GROVEPORT, OH 43125
614.567.6273

INDIANAPOLIS
2852 RAND ROAD
INDIANAPOLIS, IN 46241
317.550.2495

TOLEDO
27800 LEMOYNE ROAD
MILLBURY, OH 43447
419.386.2331

WHEELING | PITTSBURGH
229 BUTTE STREET
STEUBENVILLE, OH 43952
740.278.3000

ZANESVILLE
2055 GRIEF ROAD
ZANESVILLE, OH 43702
740.204.2210

Safety. Customer. Efficiency. Sustainability.

COMPANY: Atwell, LLC **DATE: 9/12/2016**
ATTENTION: Mike Koenig
LOCATION: 1675 Watkins Rd, Columbus, OH 43207
PROJECT TYPE: Facility Remediation

Hazardous Waste Experts (HWE) is pleased to provide you with a cost proposal to furnish environmental management services to complete the above referenced project. We are committed to providing the best possible service in a timely and efficient manner.

General Scope of Work

HWE will utilize several HEPA vacuums to perform the cleaning of the building interior. All of the floor surfaces will be vacuumed, including the office area, ceiling beams and trusses, and accessible processing equipment. Accessible processing equipment and hard surfaces in the office area will also be wiped down with D-Lead wipes.

All waste generated during the decontamination activities will be collected into DOT approved 55 gallon drums for off-site disposal. The waste will include the following lead contaminated items: PPE, HEPA vacuum filters, rags and wipes. HWE assumes that 30 x 55 gallon drums of this material will be collected. HWE assumes that the floor, ceiling beams and trusses will be clean after being HEPA vacuumed one time. Not included in this scope of work is wet wiping of the floors and ceiling items with D-Lead wipes. HWE estimates that this portion of the decontamination will take approximately 16 days at 10 hours per day.

Price Schedule

Description	Rate		Unit		Total
Supervisor and (3) Technicians	$55,800.00	LS	1	Lump Sum	**$55,800.00**
Equipment	$27,500.00	LS	1	Lump Sum	**$27,500.00**
Consumables	$4,800.00	LS	1	Lump Sum	**$4,800.00**
Transportation and Disposal	$500.00	EA	30	55-GAL Drum	**$15,000.00**
Estimated Sub Total					**$103,100.00**

- Includes lodging and Per Diem
- Equipment includes utility vehicles, platform lifts, HEPA vacuums, PPE, Forklift, Mobilization and Demobilization
- Includes provision of 30 x 55-GAL DOT drums, HEPA vacuum filters, and D-Lead wipes and subsequent transportation and disposal of these drums at Envirosafe's landfill in Mentor, OH.

Acceptance

The Undersigned proposes to furnish all materials and perform all labor necessary to complete the above referenced project according to the general assumptions and service agreement contained herein.

Roy Wimer

Roy Wimer
Technical Director
Hazardous Waste Experts
roy.wimer@hazardouswasteexperts.com
(608) 210-4211

Customer Name: _____ Customer Signature:_____

Date:_____

Service Agreement

1.0 GENERAL PROVISIONS

1.1 Hazardous Waste Experts ("HWE") is a subsidiary of Pegasus Sustainability Solutions, Inc , a corporation engaged in the business of environmental management, including, but not limited to, the packaging, transportation and disposal of hazardous waste; general and specific environmental, health and safety compliance; chemical relocations; radiological waste management; biological waste management; facility decontaminations; and on-site staffing of environmental professionals.

1.2 **Upon acceptance of the agreement, the parties agree to be bound by the terms of the Service Agreement. The parties understand that the terms of the agreement and the terms of the Service Agreement make up the entire contract of the parties.**

1.3 HWE carries all permits and authorizations required to perform work for CUSTOMER.

2.0 LAWFUL COMPLIANCE IN PERFORMANCE OF WORK

2.1 HWE and CUSTOMER agree to comply with all applicable federal, state and local laws and ordinances and lawful orders, rules and regulations of any constituted authority that may pertain to the generation, collection, transportation, handling, storage or disposal of any of CUSTOMER'S waste. HWE and CUSTOMER have obtained all necessary permits, licenses and other forms of documentation required to perform their respective obligations hereunder and, upon request of the other party, each shall furnish copies thereof to such other party. CUSTOMER shall obtain generator EPA identification numbers and promptly notify HWE of such EPA identification numbers and any changes thereto. As it pertains to the transporting of the waste material, HWE is acting as a common carrier and in no other capacity. HWE will not accept improperly identified and/or unidentified material for packaging, transportation and/or disposal.

2.2 CUSTOMER warrants that it is under no temporary or permanent injunction, administrative or court order or writ, which would prohibit or constrain the transportation, treatment, storage and/or disposal of such wastes by HWE in any manner whatsoever.

3.0 OWNERSHIP AND TITLE OF WASTE

3.1 CUSTOMER warrants that it holds clear title to all the wastes to be packaged, transported, treated, stored and or disposed of as part of the work. CUSTOMER assumes responsibility, without limitation, as "Generator" (as defined in the applicable statutes and/or regulations) for compliance with the Resource Conservation and Recovery Act, 42 USCA, section 6901, et seq., (hereinafter "RCRA"), the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. 9601, et seq., (hereinafter "CERCLA") and any federal, state or local statute, ordinance, treaty or regulation that applies to "Generators" or entities responsible for the creation of a hazardous waste or release thereof.

3.2 Nothing contained within this Contract shall be construed or interpreted as requiring HWE to assume the status of "Generator" as that term appears in RCRA, CERCLA, or any federal, state or local statute or ordinance or any treaty governing the generation, treatment, storage, transportation and disposal of waste, such as, without limitation, the Hazardous Waste Control Act and the Carpenter-Presley-Tanner Hazardous Substance Account Act.

4.0 INSURANCE

4.1 HWE maintains insurance at or above the required levels required by governing agencies for work performed for CUSTOMER.

4.2 Certificates of insurance will be provided upon request.

5.0 WASTE DISPOSAL

5.1 CUSTOMER shall approve of the disposal facility to which the waste shall be taken. CUSTOMER acknowledges and agrees that CUSTOMER alone has reviewed and approved of the place of disposal, as indicated by CUSTOMER'S signature on relevant shipping documents.

6.0 NON-CONFORMING WASTE

6.1 CUSTOMER understands that waste pricing is highly dependent on the constituents, and percentage of constituents, of the waste. CUSTOMER warrants that all wastes which may be serviced pursuant to this agreement shall materially conform to the WASTE DESCRIPTIONS in the Proposal, which were provided to HWE by CUSTOMER.

6.2 If CUSTOMER ships waste outside of the parameters set forth in the waste's profile, CUSTOMER understands additional charges may result, and agrees to pay the additional charges related to the packaging, transportation and disposal of the non-conforming waste.

7.0 PRICING AND COMPENSATION

7.1 CUSTOMER agrees to compensate HWE pursuant to the parameters set forth in this agreement. HWE will invoice CUSTOMER as each stage of the project is completed. All invoices are due net thirty (30) days from date of issuance. HWE reserves the right to charge a 1½% finance charge per month for balances past due thirty (30) days.

7.2 Pricing may be modified to (a) include pricing for new services and/or (b) adjust current pricing for existing services. If the pricing is modified, HWE shall provide CUSTOMER a Revised Pricing Schedule, which shall become effective upon date of receipt, indicated by signature of CUSTOMER.

8.0 INDEMNIFICATION

8.1 HWE agrees, to the fullest extent permitted by law, to indemnify and hold harmless CUSTOMER from and against any liabilities, damages, and/or costs (including reasonable attorney's fees and cost of defense) arising out of the death or bodily injury to any person, or the destruction or damage to any property, to the extent caused, during performance of services under this Contract, by the negligent acts, errors and/or omissions of HWE or its officers, directors, principals, or employees, subject to the limitations set forth in the Section 9.0 (Limitation of Liability) of this Contract.

8.2 CUSTOMER agrees, to the fullest extent permitted by law, to indemnify and hold harmless HWE, its officers, directors, principals and employees, from and against any liabilities, damages, and/or costs (including reasonable attorney's fees and cost of defense) arising out of the death or bodily injury to any person, or the destruction or damage to any property, to the extent caused, during performance of services under this Contract, by the negligent acts, errors or omissions of the CUSTOMER or CUSTOMER'S contractors, consultants or anyone for whom CUSTOMER is legally responsible.

9.0 LIMITATION OF LIABILITY

9.1 To the fullest extent permitted by law, the total liability of HWE and its officers, directors, principals, employees, and any of them, to CUSTOMER, and anyone claiming by or through CUSTOMER, for any and all claims, losses, costs or damages, including attorneys' fees and costs and expert-witness fees and costs of any nature whatsoever, or claims or expenses, resulting from or in any way related to work performed for CUSTOMER, shall not exceed the total compensation received by HWE under this agreement, or the total amount of $10,000 (Ten Thousand Dollars), whichever is less, except for HWE's willful misconduct. It is intended that this limitation apply to any and all liability or cause of action, including HWE's negligent acts, errors and/or omissions, however alleged or arising, unless otherwise prohibited by law, and unless otherwise provided in this section.

9.2 CUSTOMER acknowledges and understands the inherent difficulty in packaging and moving materials in chemical relocation projects. Examples may include, but are not limited to, chemicals, media, livestock cultures, refrigerated material, research compounds and/or pharmaceutical related material. If any damage occurs to the materials during the packaging, shipment, unpacking and placement of the materials, CUSTOMER agrees to submit claims only for the replacement value of the materials, and in no circumstance shall such claim(s) exceed $5,000 per project. CUSTOMER understands and agrees that $5,000 is the maximum allowed claim for the replacement and damage of materials under this Contract, and that all other damage and/or replacement claims are hereby waived by CUSTOMER.

9.3 All materials with a value in excess of $1,000 shall be identified to the HWE project manager. Any items damaged by HWE during relocation will have a maximum combined liability not to exceed $1,000 unless identified to the HWE project manager in advance of start of work.

10.0 INDEPENDENT CONTRACTORS

10.1 CUSTOMER understands and acknowledges, and HWE hereby agrees that this agreement shall not render the agents of HWE as employees of CUSTOMER for any purpose. The agent of HWE is and will remain an agent of HWE in his or her relationship to CUSTOMER. Consequently, CUSTOMER shall not be responsible for withholding taxes with respect to the agent's compensation. The agent shall have no claim against CUSTOMER hereunder or otherwise for vacation pay, sick leave, retirement benefits, social security, worker's compensation, health or disability benefits, unemployment insurance benefits, or employee benefits of any kind.

11.0 RESTRICTIVE COVENANT CONVERSION/RIGHT TO HIRE

11.1 If CUSTOMER wishes to hire or otherwise engage an HWE employee as an employee, consultant, independent contractor, or in any other way utilize a person employed by HWE, or hire, contract or in any other way utilize a person employed by HWE within the previous 3 years of the date of said hiring, contracting or utilization, CUSTOMER agrees to pay HWE a personnel acquisition fee equal to one year (2060 Hours) of the individual's highest customer hourly billing rate.

12.0 SUBCONTRACTORS

12.1 CUSTOMER understands and agrees that HWE may assign and subcontract certain portions of the work performed for CUSTOMER. However, HWE warrants that all work performed for CUSTOMER by HWE subcontractors shall carry all protections, restrictions and limitations as if HWE performed the work.

13.0 ATTORNEY'S FEES

13.1 In any litigation, arbitration, or other proceeding by which one party either seeks to enforce its rights under this agreement (whether in contract, tort, or both) or seeks a declaration of any rights or obligations under this Contract, the prevailing party shall be awarded its reasonable attorney fees, and costs and expenses incurred.

14.0 NOTICE

14.1 Any notices required or permitted to be given under this agreement shall be given in writing and shall be delivered (a) in person, (b) by a commercial overnight courier that guarantees next day delivery and provides a receipt or (c) by or prepaid certified mail, return receipt requested to both: Pegasus Sustainability Solutions, Inc. 2693 Research Park Drive, Suite 201, Fitchburg, Wisconsin 53711, Attn: Mark Hope, President, and Pegasus Sustainability Solutions, Inc.

15.0 CONFIDENTIALITY

15.1 All information and material that may be disclosed by one party to the other in the course of performance of this Contract is considered confidential and proprietary and will not be used by the receiving party other than for the purposes under this agreement for which it was disclosed. The receiving party will protect such information from disclosure to third parties and hold it as confidential using the same degree of care as that party uses to protect its own confidential or proprietary material of like importance, but at least reasonable care. This obligation will continue for a period of two (2) years following receipt of the material and will survive any termination of this Contract, but it will not cover any information which is disclosed to a third party by the disclosing party without restrictions on disclosure, any information that has been or is developed independently by the receiving party without violation of obligations of confidentiality, any information that falls into the public domain without fault of the receiving party, any information that is rightly obtained by the receiving party from a third party without restriction, or any information that is rightly in the possession of the receiving party at the time of disclosure by the disclosing party.

16.0 FORCE MAJEURE

16.1 Neither party shall be liable in damages or have the right to terminate this agreement for any delay or default in performing hereunder if such delay or default is caused by conditions beyond its control including Acts of God, government restrictions (including the denial or cancellation of any export or other necessary license), wars, insurrections and/or any other cause beyond the reasonable control of the party whose performance is affected.

17.0 SEVERABILITY

17.1 If any provision or provisions of this agreement shall be held to be invalid, illegal, and unenforceable or in conflict with the law of any jurisdiction, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

18.0 ENTIRE CONTRACT

18.1 This agreement, including the Scope of Work, Revised Pricing Schedule, Waste Profile Sheet(s) and any other schedule or exhibit referred to in this agreement, constitutes the final, complete, and exclusive statement of the terms of the agreement between the parties pertaining to the subject matter of this agreement and supersede all prior and contemporaneous understandings or agreements, whether oral or written, of the parties. This agreement may not be contradicted by evidence of any prior or contemporaneous statements or agreements.

18.2 No party has been induced to enter into this agreement by, nor is any party relying on,

any representation, understanding, agreement, commitment or warranty outside those expressly set forth in this agreement.

18.3 No modification shall be binding on HWE unless in writing and signed by both parties.

In no event shall the conflicting terms or conditions found on any CUSTOMER purchase or work order be considered an amendment or modification to this agreement.

19.0 GOVERNING LAW

19.1 The laws of the State of Wisconsin shall govern the validity and interpretation of this agreement, without regard for conflicts of law principles of this, or any other, jurisdiction.

20.0 JURISDICTION AND VENUE

20.1 All claims arising from the sale of the service, including any claim concerning the validity, construction, or enforcement of this Service Agreement, shall be brought exclusively in the Circuit Court of Dane County, Wisconsin, or the United States District Court for the Western District of Wisconsin. The parties hereby waive any objection to venue and consent to the personal jurisdiction of the state and federal courts located in Dane County, Wisconsin.

HAZARDOUS WASTE EXPERTS Powered by PEGEX

Statement of Qualifications

Overview

I. History
II. Management Team
III. Experience
IV. Qualifications

History

- Founded in July 2012 and headquartered in Madison, WI
- US and Canada market coverage
- Annual revenue of $7 M
- Specialties: Universal Waste, Hazardous Waste, Used Oil, Industrial Services, Spill Response, Medical Waste Disposal, Environmental Remediation
- Custom turnkey solutions for nationwide clients (one-stop shop)

Management Team

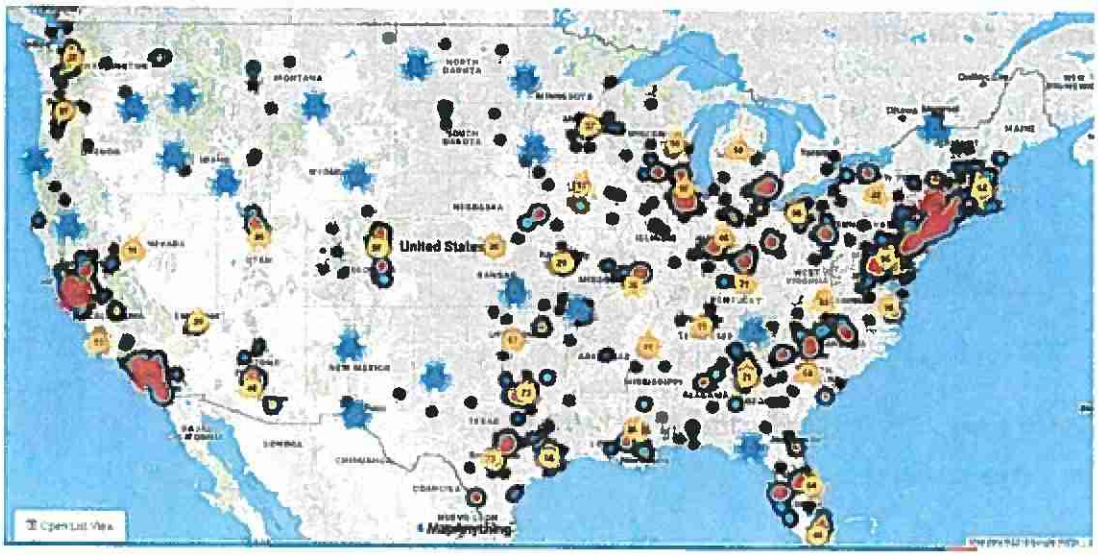
- Eric Apfelbach, President and CEO
    - 16 years of CEO experience at both public and private companies
    - BS Chemical Engineering-UW Madison
- Wade Maleck, CFO, CPA
    - 10 years of CFO experience: cash management, financial projections, and GAAP
- Dan Chamberlin, VP Sales and Marketing
    - 26 years with Safety-Kleen: Sales, field services, logistics, project management, safety manager, fleet manager
- Alisha Thompson, Director of Operations
    - 13 years of industry experience: technical director, regulatory compliance
    - Master's Degree in Management, BS in Earth Science-UM Ann Arbor
- Field Team
    - 167 years of combined industry experience

Experience

- >10,000 nationwide waste disposal projects completed
- >2,500 customers served, 50% of projects recur

HAZARDOUS WASTE EXPERTS Powered by PEGEX

Customer Map



- Example projects
  - E-Waste and universal waste bulk loads
  - Plant decommissions
  - Multi-laboratory chemical lab packing
  - High Hazard waste handling and removal (reactive, explosive, radioactive)
  - Household hazardous waste from donation centers and city collection programs
  - $1.3 M in Department of Defense contracts scheduled for 2017

- Key customers
  - Nike
  - Goodwill
  - Wilbur-Ellis
  - Department of Defense
  - Murphy's Oil

Qualifications

- EPA/RCRA permitted disposal facilities
- Hazardous waste transportation licenses in all 50 states
- OSHA HazWoper 40 HR training for all field technicians
- Certified Hazardous Materials Manager (CHMM)

PRECISION
Environmental Co.

5500 Old Brecksville Road · Independence, Ohio 44131
(216) 642-6040 · fax (216) 642-6041

April 14, 2017

We are an equal opportunity employer

Mr. Tom Leigh
Atwell, LLC.
7100 East Pleasant Valley Road
Suite 200
Independence, Ohio 44131

Re: Watkins Road Facilities – Columbus
Lead and Cadmium Decontamination
(Revision of 6/16/16 - #2)

Dear Mr. Leigh:

Thank you for the opportunity to provide our services. Precision Environmental proposes the following:

- Clean the lead and cadmium dust from 1655 and 1675 Watkins Road warehouses in Columbus. The floors, walls, bar joists, and horizontal surfaces will be HEPA vacuumed and/or power washed. Waste, be it solid or liquid, is assumed to be hazardous. The offices in 1675 will have the ceiling pads, carpets, and contents removed as part of this proposal. In addition, remaining conveyors and the crusher will be vacuumed and wet wiped (externally only). All other contents will be removed by others prior to mobilization.

<u>The following is understood:</u>

- All work will be performed in accordance with applicable Federal, State and Local compliance regulations.
- OSHA compliance personnel air monitoring is included.
- Power and water will be provided by the owner.
- The interior of ducts or air handlers are not included.
- Work hours would be Monday through Thursday, 10 hour days.
- No clearance levels are established for cleanliness.
- This proposal is valid for a term of 60 calendar days without confirmation of intended award or inclusion.
- Insurance – Proposal includes asbestos liability insurance, general liability, auto liability with limits of one million/three million secured from Great American Insurance Company and Zurich and workman's compensations as regulated by the State of Ohio.
- Projects are invoiced monthly, on a percentage complete basis. Payments are due 30 days following the monthly invoice. Final payment is due within 30 days of last invoice. Unpaid balances received after the due date will accumulate interest at a rate of 1 ½% per month.

Proposed Costs:

- 1655: **$129,800.00 (up to 4 weeks duration)**
- 1675: **$283,250.00 (up to 8-9 weeks duration)**

If you require further information, please contact me at 216-642-6040.

Sincerely,

James Bower
Project Manager

Precision Environmental Co.

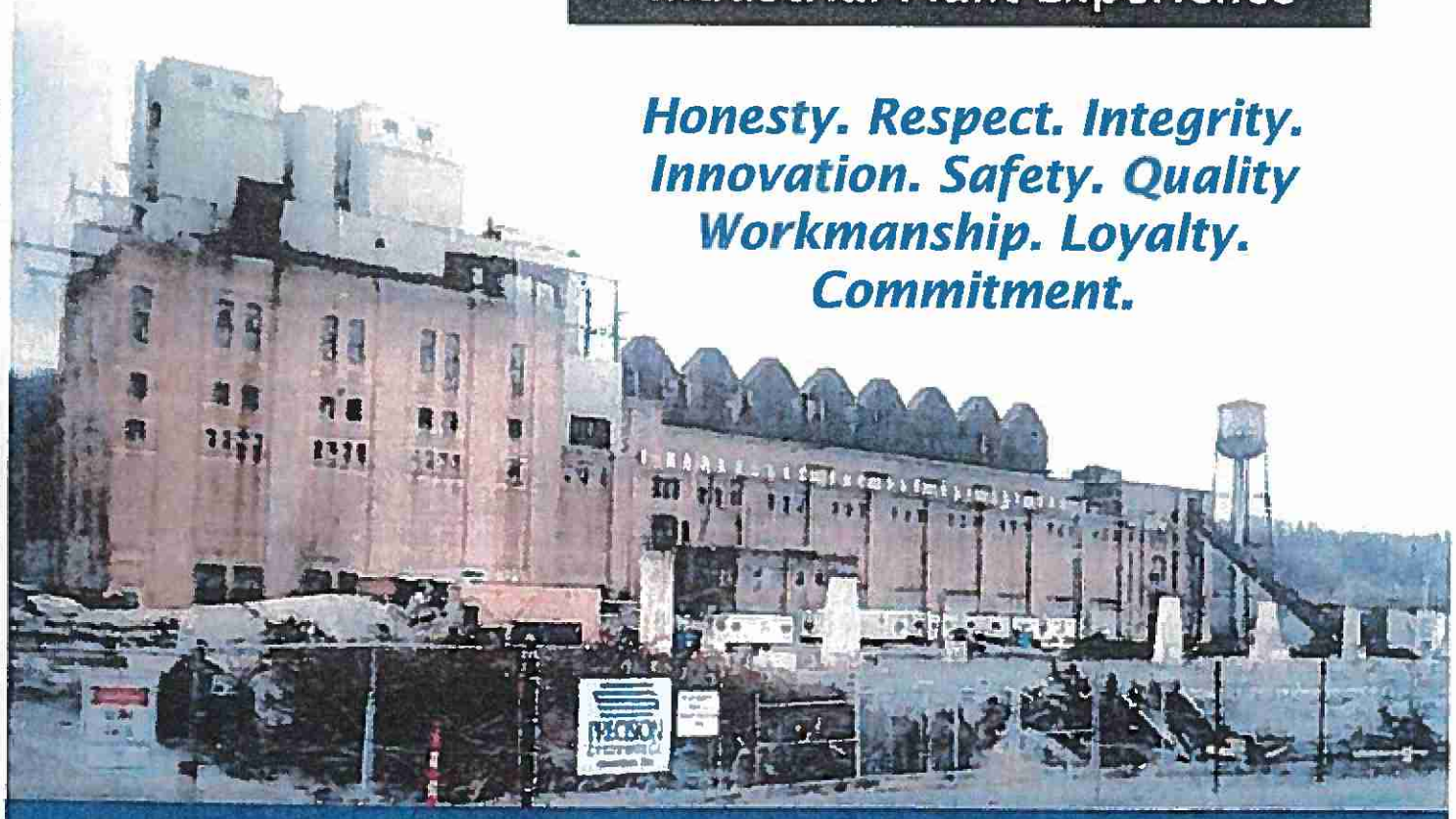
SERVICES

- ✓ Asbestos Abatement
- ✓ Environmental
- ✓ Remediation
- ✓ Selective Demolition
- ✓ Concrete Sawing & Drilling
- ✓ Floor Preparation
- ✓ HVAC Duct Cleaning
- ✓ Firestopping

PRECISION
Environmental Co.

Industrial Plant Experience

Honesty. Respect. Integrity. Innovation. Safety. Quality Workmanship. Loyalty. Commitment.



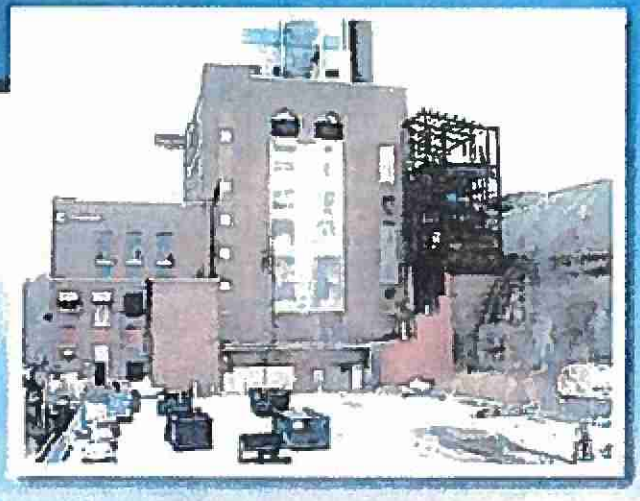
5500 Old Brecksville Road, Independence, Ohio 44131
Phone: (216) 642-6040

Industrial Plant Experience

McCracken Power Plant
Columbus, Ohio

Owner: Ohio State University
Year: 2004
Scope: As Ohio State University's main steam plant, the plant had to remain open and operational during asbestos abatement and demolition of four boilers. Removal of asbestos insulation from 1500 KCMil cables at an OSU substation. Removal and disposal of appx. 7100' of deactivated High voltage cable from the west campus substation.

Former Akron Gorge Power Plant
Akron, Ohio



Owner: First Energy Corporation
Year: 2008
Scope: Remediation of asbestos and other hazardous and non-hazardous materials prior to demolition. Items to be abated and/or removed included approximately 60,000 square feet of asbestos containing insulation, 18,000 square feet of asbestos-cement exterior siding, PCB containing transformers and ballasts, bulbs, switch controls as well as hazardous and non-hazardous oils and chemicals. In order to perform the asbestos removal on the two boilers, turbines and miscellaneous piping Precision placed the entire structure under negative air pressure.

Acme Power Plant
Toledo, Ohio

Owner: City of Toledo
Year: 2009
Scope: Clean-up of the former Toledo Edison Acme Power Plant consisted of the removal and disposal of approximately 150,000 square feet of ACM boiler insulation from 9 boilers and associated insulation from vessels, fan ducts, heat exchangers, hoppers and other components. In addition, over 15,000 linear feat of pipe insulation and approximately 140,000 square feet of floor debris were removed. Despite obstacles such as no utilities or infrastructure, Precision completed the project safely and ahead of schedule.

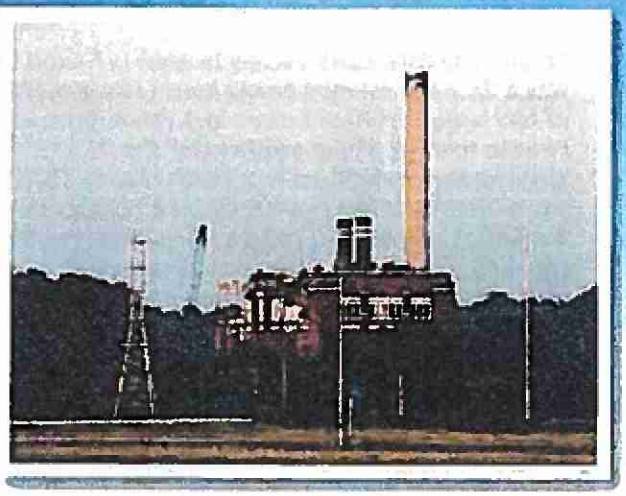
Industrial Plant Experience

Burns Harbor Stove Abatement
Burns Harbor, Indiana

Owner: ArcelorMittal
Year: 2006 & 2008
Scope: Utilizing the stove shell as a the primary containment barrier, crews removed and disposed of asbestos containing insulation and associated refractory brick from the inner-lining of 2 C Stove and D Stove.

Mad River Power Station Demolition
Springfield, Ohio

Owner: First Energy Corporation
Year: 2010
Scope: Removal of asbestos associated with three main boilers. The next phase of the project included the removal and recycling or disposing of transformers and ballasts containing PCBs, bulbs and switch controls containing Mercury, and other hazardous and non-hazardous oils and chemicals found at the facility.

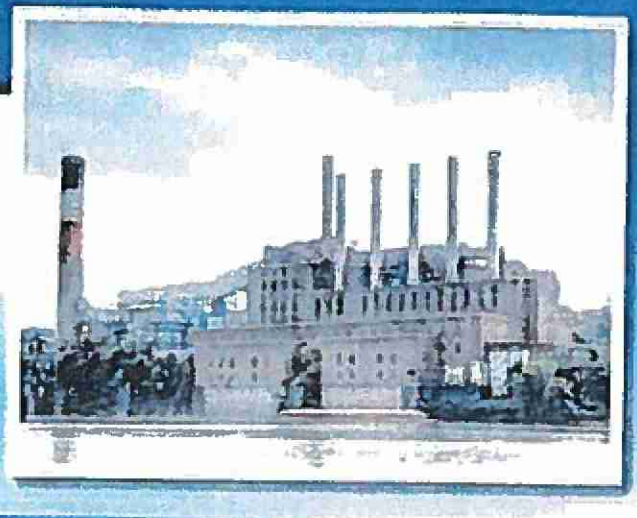


Ashtabula Power Plant C
Ashtabula, Ohio

Owner: Ashtabula County Port Authority
Year: 2008
Scope: Previously a First Energy Corporation Pow-er Plant, Precision Environmental provided abatement services on the unoccupied 6-story, 700,000 square foot structure that contained 4 boilers, 4 recuperators and multiple office areas. Utilizing one large negative air pressure containment, crews removed and disposed of 17,000 linear feet of pipe insulation and 64,850 square feet of surfacing material, floor tile with associated mas-tic, and exterior transite panels from the recuperators.

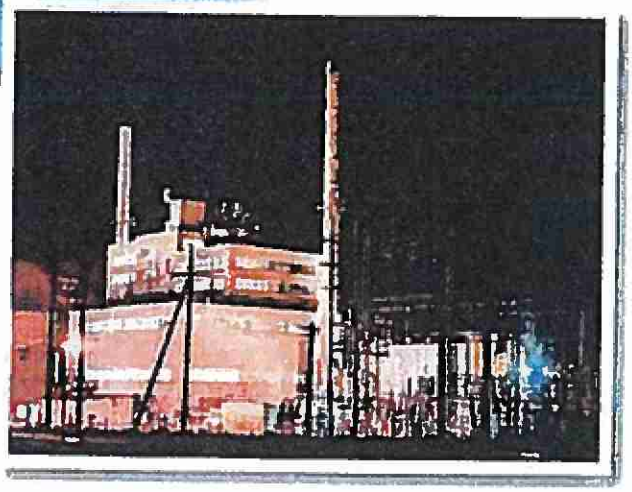
Frank R. Phillips Power Station
Crescent, PA

Owner: Orion Power Midwest
Year: 2010
Scope: Removal of asbestos associated with boilers, pipe, breeching. Removal and disposal of regulated waste.



W.N. Clark Power Plant
Canon City, Colorado

Owner: Black Hills Power
Year: 2014
Scope: The W.N. Clark Facility located in Canon City, CO. was a decommissioned power house facility consisting of two large coal-fired boilers and steam generators. Prior to the demolition sequence of the facility, asbestos abatement was required for approximately 16,000 square feet of boiler insulation, 2,862 lineal feet of pipe insulation, and 13,830 square feet of exterior transite paneling. Abatement of the facility provided unique challenges due to the stringent abatement standards required in the state of Colorado. Precision was required to encase the entire facility and line all walls, floors, and ceilings prior to abatement activity.



Precision Environmental Co.

For questions about our project experience or for more information regarding the wide range of services we provide, please feel free to contact us at the information below.

PRECISION Environmental Co.

Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131
Phone: (216) 642-6040
Fax: (216) 642-6041
www.precision-env.com
@PrecisionEnv

Dan Hazlett
Project Manager
Office: (216) 642-6040
Cell: (216) 570-5006
dhazlett@precision-env.com

ENR Engineering News-Record

Ranked 6th in the Country Amongst Asbestos Abatement Firms in 2013

AIA® Document A305™ – 1986

Contractor's Qualification Statement

The Undersigned certifies under oath that the information provided herein is true and sufficiently complete so as not to be misleading.

SUBMITTED TO:

ADDRESS:

SUBMITTED BY: Precision Environmental Company

NAME: John E. Savage, Jr.

ADDRESS: 5500 Old Brecksville Road
Independence, Ohio 44131

PRINCIPAL OFFICE: 5500 Old Brecksville Road
Independence, Ohio 44131

[X] Corporation
[ ] Partnership
[ ] Individual
[ ] Joint Venture
[ ] Other

NAME OF PROJECT *(if applicable)*:

ADDITIONS AND DELETIONS: The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

This form is approved and recommended by the American Institute of Architects (AIA) and The Associated General Contractors of America (AGC) for use in evaluating the qualifications of contractors. No endorsement of the submitting party or verification of the information is made by AIA or AGC.

TYPE OF WORK (file separate form for each Classification of Work):

[ ] General Construction
[ ] HVAC
[ ] Electrical
[ ] Plumbing
[X] Other (please specify) Selective Demolition

§ 1. ORGANIZATION

§ 1.1 How many years has your organization been in business as a Contractor? 30

§ 1.2 How many years has your organization been in business under its present business name? 30

§ 1.2.1 Under what other or former names has your organization operated?

N/A

§ 1.3 If your organization is a corporation, answer the following:

§ 1.3.1 Date of incorporation: 11-20-1987

§ 1.3.2 State of incorporation: Ohio

§ 1.3.3 President's name: Anthony DiGeronimo

§ 1.3.4 Vice-president's name(s)

John E. Savage, Jr.
Joseph DiGeronimo

§ 1.3.5 Secretary's name: James Reeves

§ 1.3.6 Treasurer's name: Anthony DiGeronimo

§ 1.4 If your organization is a partnership, answer the following:

§ 1.4.1 Date of organization:

§ 1.4.2 Type of partnership (if applicable):

§ 1.4.3 Name(s) of general partner(s)

§ 1.5 If your organization is individually owned, answer the following:

§ 1.5.1 Date of organization:

§ 1.5.2 Name of owner:

§ 1.6 If the form of your organization is other than those listed above, describe it and name the principals:

§ 2. LICENSING

§ 2.1 List jurisdictions and trade categories in which your organization is legally qualified to do business, and indicate registration or license numbers, if applicable.

§ 2.2 List jurisdictions in which your organization's partnership or trade name is filed.

§ 3. EXPERIENCE

§ 3.1 List the categories of work that your organization normally performs with its own forces.

Please see attached list

§ 3.2 Claims and Suits. (If the answer to any of the questions below is yes, please attach details.)

§ 3.2.1 Has your organization ever failed to complete any work awarded to it?

No

§ 3.2.2 Are there any judgments, claims, arbitration proceedings or suits pending or outstanding against your organization or its officers?

No

§ 3.2.3 Has your organization filed any law suits or requested arbitration with regard to construction contracts within the last five years?

No

§ 3.3 Within the last five years, has any officer or principal of your organization ever been an officer or principal of another organization when it failed to complete a construction contract? (If the answer is yes, please attach details.)

No

§ 3.4 On a separate sheet, list major construction projects your organization has in progress, giving the name of project, owner, architect, contract amount, percent complete and scheduled completion date.

Please see attached

§ 3.4.1 State total worth of work in progress and under contract:

Please see attached

§ 3.5 On a separate sheet, list the major projects your organization has completed in the past five years, giving the name of project, owner, architect, contract amount, date of completion and percentage of the cost of the work performed with your own forces.

Please see attached

§ 3.5.1 State average annual amount of construction work performed during the past five years:

$35,000,000.00

§ 3.6 On a separate sheet, list the construction experience and present commitments of the key individuals of your organization.

See attached

§ 4. REFERENCES

§ 4.1 Trade References:

See attached

§ 4.2 Bank References:

PNC Bank
23000 Millcreek Boulevard
Highland Hills, Ohio 44122
Contact: Andrew Rutherford (216)222-7146

§ 4.3 Surety:

§ 4.3.1 Name of bonding company:

Great American Insurance

§ 4.3.2 Name and address of agent:

Jackson, Dieken & Associates
27893 Clemens Road, Suite 1
Westlake, Ohio 44145

Contact: Maggie Loeser
(440)250-6873

§ 5. FINANCING

§ 5.1 Financial Statement.

§ 5.1.1 Attach a financial statement, preferably audited, including your organization's latest balance sheet and income statement showing the following items: Given Upon Award of Project

Current Assets (e.g., cash, joint venture accounts, accounts receivable, notes receivable, accrued income, deposits, materials inventory and prepaid expenses);

Net Fixed Assets;

Other Assets;

Current Liabilities (e.g., accounts payable, notes payable, accrued expenses, provision for income taxes, advances, accrued salaries and accrued payroll taxes);

Other Liabilities (e.g., capital, capital stock, authorized and outstanding shares par values, earned surplus and retained earnings).

§ 5.1.2 Name and address of firm preparing attached financial statement, and date thereof:

§ 5.1.3 Is the attached financial statement for the identical organization named on page one?

Yes

§ 5.1.4 If not, explain the relationship and financial responsibility of the organization whose financial statement is provided (e.g., parent-subsidiary).

§ 5.2 Will the organization whose financial statement is attached act as guarantor of the contract for construction?

Yes

§ 6. SIGNATURE

§ 6.1 Dated at this 13th day of April , 2017

Name of Organization: Precision Environmental Company

By:

Title: John E. Savage, Jr. - Vice President

§ 6.2

being duly sworn deposes and says that the information provided herein is true and sufficiently complete so as not to be misleading.

Subscribed and sworn before me this 13th day of April 20 17

Notary Public:

My Commission Expires:

Company Name: **Address:**	**Precision Environmental Co.** **5500 Old Brecksville Road** **Independence, Ohio 44131**
Our Facility:	We operate out of 100,000 square foot facility in Independence, Ohio 7 miles south of Cleveland. We operate our service center with a staff of over 50 people to support our field operation. In addition, we warehouse over 40,000 square feet of small tools and consumable materials that are deployed to our job on a 24-hour basis as required. In-house, we maintain over 120 licensed vehicles, 60 pieces of construction equipment and a multitude of specialized abatement and demolition tools. In total, our support facility provides over $5 million dollars of efficient resources to our customer projects on a yearly basis.
Phone Number: **Fax Number:**	(216) 642-6040 (216) 642-6041
Year Established:	November 1987
Officers:	Tony DiGeronimo, President John E. Savage, Jr., Vice President Joseph DiGeronimo, Vice President James Reeves, Corporate Secretary Tony DiGeronimo, Treasurer
Type of Business:	Corporation
State of Incorporation:	Ohio
Federal ID Number:	34-1570806
State Unemployment Number:	0902950-00-5

Invoices:
Issued by Denise Rischel – driscchel@precision-env.com
Received by Cathy Fox – cfox@precision-env.com

PO's Please Send To: **joyc@precision-env.com**

Bank Information:
Andrew Rutherford
PNC Bank
23000 Mill Creek Boulevard
B7-YB72-04-7
Highland Hills, Ohio 44122

Remit to address: same as above.

Current State Registrations 2017

State of Ohio
Asbestos Contractor
1154
Exp: 02-26-18

State of Michigan
Asbestos Contractor
#C2637
Exp: 02-23-18

State of Pensylvania
Asbestos Contractor
#C0013A
Exp: 10-30-17

State of Illinois
Asbestos Contractor
#500-0743
Exp: 05-15-17

State of Indiana
Asbestos Contractor
#193606025
Exp: 02-16-18

State of Maryland
Asbestos Contractor
#M36-00-432
Exp: 8/3/2017

State of New Jersey
Asbestos Contractor
#01212
Exp: 09-02-17

State of NY
Asbestos Handling
#29861
Exp: 04-30-17

State of W.V.
Contractor
WV034878
Exp: 02-09-18

State of W.V.
Asbestos
#AC002482
Exp: 02-28-18

State of Colorado
Asbestos
#20961
Exp: 03-31-17

State of S Carolina
Contractor
#CO-00435
Exp: 02-22-17

State of Georgia
Asbestos
#70NF011866
Exp: 01-06-18

State of Kentucky
Asbestos
C17-516-1
Exp: 1-18-18

State of Tennessee
Asbestos
A-F-4421-49755
4/30/2017

State of Virginia
Contractor
2705161344
10/31/2018

State of Virginia
Asbestos
3306001217
11/30/2017