REPORT ON REMOVAL PRELIMINARY ASSESSMENT

CLOSED LOOP REFINING & RECOVERY/CLOSED LOOP GLASS SOLUTIONS
2200 FAIRWOOD AVENUE
COLUMBUS, OHIO 43207

EPA ID No. OHR000201145

EnSafe Project Number:
0888823935/007

Prepared for:

Olymbec USA LLC
1004 East Brooks Road
Memphis, Tennessee 38116

May 2020

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APPENDICES

1.0 INTRODUCTION

This *Report on Removal Preliminary Assessment* addresses removal preliminary assessment activities previously performed at the Closed Loop Refining & Recovery/Closed Loop Glass Solutions (Closed Loop) facility (hereinafter referred to as the "Closed Loop Facility," the "Facility," or the "subject property") in Columbus, Ohio, as shown in Figure 1. The subject property includes the east portion of the 2200 Fairwood Avenue warehouse building (Figure 2) that was leased to Closed Loop Refining and Recovery, Inc. 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 four previously prepared removal preliminary assessments:

- Olymbec USA LLC. *Interim Site Management Plan; Closed Loop Facility; 2200 Fairwood Avenue; Columbus, Ohio.* (2016).

- EnSafe Inc. *Industrial Hygiene Assessment Report; Olymbec USA LLC; 2200 Fairwood Avenue; Columbus, Ohio 43207*. (2017).

- DEC Enviro. *Inventory Assessment and Remedial Cost Estimate; Closed Loop Facility, 2200 Fairwood Avenue; Columbus, Ohio*. (2019).

- Olymbec USA LLC. *Interim Site Management Plan No. 1; Closed Loop Facility; 2200 Fairwood Avenue; Columbus, Ohio.* (2016).

1.1 2016 Olymbec USA LLC Interim Site Management Plan

During 2016, Olymbec developed an *Interim Site Management Plan* that detailed the history of Closed Loop operations at the subject property and described procedures for securing cathode ray tube (CRT)-related materials at the subject property by Closed Loop. The plan describes the 2200 Fairwood Avenue Property as "…consisting of approximately 14.5 acres, includes a warehouse structure consisting of approximately 257,767 square feet." The plan continues by stating that in "December 2014, Olymbec leased 130,652 square feet of the warehouse facility [building] (approximately fifty percent (50%)) of the warehouse facility [building]) to Closed Loop Refining and Recovery, Inc." The plan also states that "At the outset of the lease, Olymbec understood, through communications with the Olymbec brokerage team, that Closed Loop would use the Facility for a general office and for warehousing and distribution associated with a cathode ray tube recycling operation."

In the plan, Olymbec agreed to secure two overhead doors that provided access to the Closed Loop warehouse from the west side of the warehouse to prevent access to the subject property from the east side of the warehouse. Olymbec also agreed to perform additional measures to secure the subject property. The Olymbec interim management plan is included in Appendix A.

1.2 2017 EnSafe Inc. Industrial Hygiene Assessment Report

During July 2017, EnSafe Inc. performed an industrial hygiene assessment to evaluate the presence of lead in settled dust throughout the Closed Loop Facility. The industrial hygiene assessment included collection of 16 wipe samples and two bulk samples of broken CRT glass. The EnSafe industrial hygiene assessment report is included as an attachment to Olymbec's 2018 *Interim Status Report No. 1* in Appendix B.

The industrial hygiene report notes that approximately 90% of the Closed Loop lease space area was occupied by palletized cardboard boxes containing CRTs and/or CRT-glass stacked an average of three boxes high. There were instances where boxes had fallen to the floor or collapsed against exterior warehouse walls and doors.

The assessment included collection of six wipe samples from elevated surfaces (e.g., roof support structures and elevated piping), five wipe samples from the warehouse floor, and five wipe samples from walls at an approximate height of 3 to 5 feet above the floor. Wipe sample analytical results and bulk sample analytical results are presented in the EnSafe report included as attachment to Olymbec's 2018 *Interim Status Report No. 1* in Appendix B. A summary of the wipe and bulk sample analytical results indicates:

- Lead was detected in each elevated surface sample ranging from a concentration of 290 micrograms per 100 square centimeters (µg/100 cm^2) to 760 µg/100 cm^2, which exceed the Brookhaven National Laboratory non-lead operation area acceptable surface level criteria (Brookhaven screening criteria) of 40 µg/100 cm^2.

- Lead was detected in each floor sample ranging from 220 µg/100 cm^2 to 750 µg/100 cm^2, which exceed the Brookhaven screening criteria of 40 µg/100 cm^2.

- Two of five wall samples had lead screening values (59 µg/100 cm^2 and 130 µg/100 cm^2) exceeding the Brookhaven screening criteria of 40 µg/100 cm^2.

- The two bulk glass samples contained total lead at concentrations of 3,800 milligrams per kilogram (mg/kg) and 26,000 mg/kg, exceeding the Ohio Voluntary Action Program (VAP) generic direct-contact residential/commercial child exposure soil standard of 400 mg/kg and the generic direct-contact commercial or industrial land use soil standard of 800 mg/kg.

1.3 2019 DEC Enviro Inventory Assessment

During April 2018, DEC Enviro completed an inventory of CRT-related materials stored at the subject property. DEC Enviro's summary of the inventory assessment is included in Appendix C and indicates the following significant findings:

- The Facility has approximately 19,614 cardboard Gaylord containers and supersacks of CRT-related materials

- The Facility holds approximately 30,917,116 pounds of CRT-related materials, as follows:

  — "Crushed CRT screens and other CRT components"..... 924,267 pounds

  — "Crushed CRT glass"..... 7,388,200 pounds

  — "CRT Screens (Complete Units)" a.k.a. Non-processed CRT units.. 22,604,650 pounds

  — Estimated total weight..... 30,917,116 pounds

1.4 2018 Olymbec USA LLC Interim Status Report No.1

In 2018, Olymbec prepared and submitted *Interim Status Report No. 1* that provided an updated summary of activities performed at the site by or for Olymbec. The 2018 interim status report is in Appendix B and includes the following additional information:

- The plan documents efforts made by Olymbec to secure the Facility

- The plan provides a copy of a health and safety plan developed for personnel entering the Facility

- The plan documents an interim removal action performed during July 2017 that included the following:

  — Removal and containerization of hydrofluoric acid from one vat into six 55-gallon drums

  — Removal and containerization of solid sludge from a second vat and a 300-gallon tote into eight 55-gallon drums

  — Transportation and offsite disposal of drummed hydrofluoric acid (D002), lead-bearing sludge (D008), and two empty hydrofluoric acid drums

2.0 EVALUATION OF MAGNITUDE OF THREAT

As noted by Olymbec, the Closed Loop Facility includes approximately 130,650 square feet of floor space with an estimated 30,917,116 pounds (15,459 tons) of containerized CRT-related materials. The CRT-related materials contain lead. CRT-related materials are stored throughout the warehouse and occupy approximately 90% of the floor space. The containers are constructed of cardboard. Some of the containers are deteriorating and are becoming unstable. In some instances, containers have collapsed and are blocking aisle ways. In addition, there are locations where containers have either collapsed or overturned and spilled CRT glass on the floor.

As noted in the 2018 interim status report, waste solid materials associated with the interim removal action were managed as characteristically hazardous lead waste (D008). 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. Samples of lead-containing dust collected from the Watkins Road facility (AECOM 2015; Appendix D), also operated by Closed Loop, have been analyzed and documented to be characteristically hazardous for lead. As a result of the similarity of operations performed by Closed Loop and the prevalence of lead-containing dust in both warehouse facilities, it is highly probable that lead-containing dust on Gaylord containers in the Olymbec warehouse is also characteristically hazardous for lead.

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 Closed Loop Facility could be exposed to dust if they were to touch dust contaminated surfaces; further, the potential presence of airborne dusts in the warehouse are a lead inhalation hazard.

- The volume of containerized material makes it difficult to access interior portions of the Closed Loop Facility; if a release of water were to occur inside of the warehouse, lead-containing materials could be released to the exterior of the warehouse.

- 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 warehouse.

- In the event a significant weather event or a natural disaster damages or destroys the building envelope, precipitation and or winds would pose an increased exposure threat to human health and the environment.

Potential Receptors

Work within the Closed Loop Facility 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 warehouse, there are additional hazards for exposure of site visitors, workers, and ecological receptors to storm water and sediment that could become contaminated with lead.

Potential Threat to Surface Water

There are no surface water bodies on the 2200 Fairwood Avenue property. Neither EnSafe nor DEC Enviro has observed any hazardous substances being released from the building. The 2014 Myers Surveying Company site map shows that storm water would enter one of two storm water catch basins in the asphalt-paved area east of the building. The map shows that the property storm sewer system extends west, around the building, and discharges into the City of Columbus storm sewer system beneath Fairwood Avenue near the northwest property corner (Appendix E).

Based on the absence of surface water bodies on the 2200 Fairwood Avenue property and the absence of observed hazardous materials outside the building on the property, there does not currently appear to be an imminent threat to the public health or welfare of the United States or to the environment.

3.0 PUBLIC HEALTH ASSESSMENT

As the CRT-related materials and lead-containing dust are currently contained within the Closed Loop Facility, and as neither EnSafe, DEC Enviro, nor Olymbec have identified evidence of these materials outside of the warehouse, 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 Closed Loop Facility, their presence poses a potential threat of release outside of this warehouse in keeping with the pertinent exposure pathways noted above. 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. In the event of a fire, water used to suppress the fire would escape the warehouse and pose a potential exposure threat to first responders and others near the subject property. In the event a significant weather event or a natural disaster damages or destroys the building envelope, precipitation and or winds would pose an increased exposure threat to human health and the environment.

Based on this, removal of the CRT-related materials and decontamination of dust on building surfaces will eliminate the threat to public health and welfare of the United States and to the environment and will provide the most protection to human health and welfare and to the environment. This action will be a permanent solution by reducing the toxicity, mobility, and volume of CRT-related material and lead-containing 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 Olymbec is appropriate to reduce or eliminate the threat to the human health and welfare of the United States and to the environment. As there is currently no imminent threat resulting from the 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 Closed Loop Facility through the Comprehensive Environmental Response, Compensation, and Liability Act response process.

FIGURES

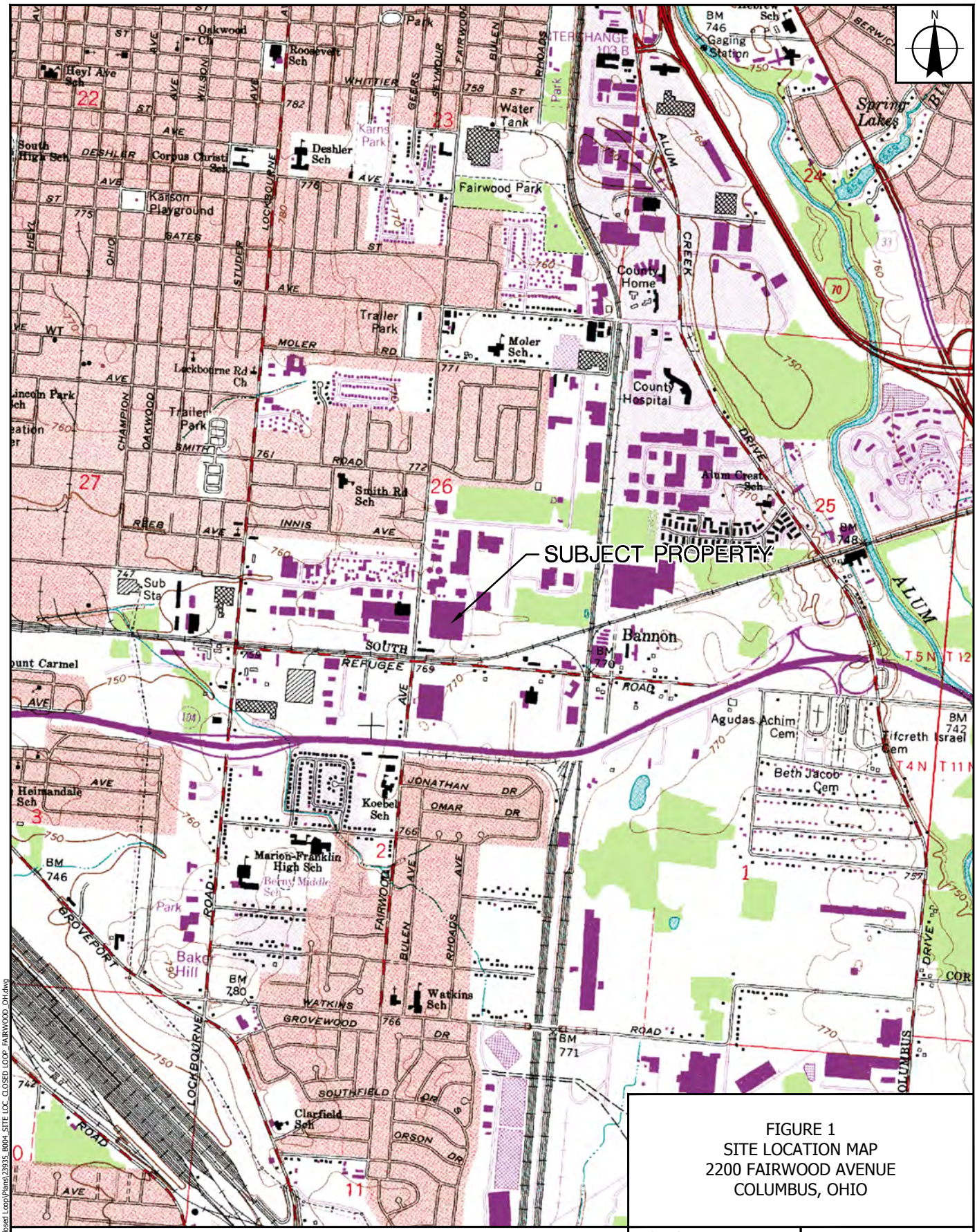

FIGURE 1
SITE LOCATION MAP
2200 FAIRWOOD AVENUE
COLUMBUS, OHIO

NAD 1983 STATE PLANE
UTM 17 NORTH

0 1,000 2,000
SCALE IN FEET

REQUESTED BY:	NB
DRAWN BY:	KMB
DATE:	11/14/2018
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.

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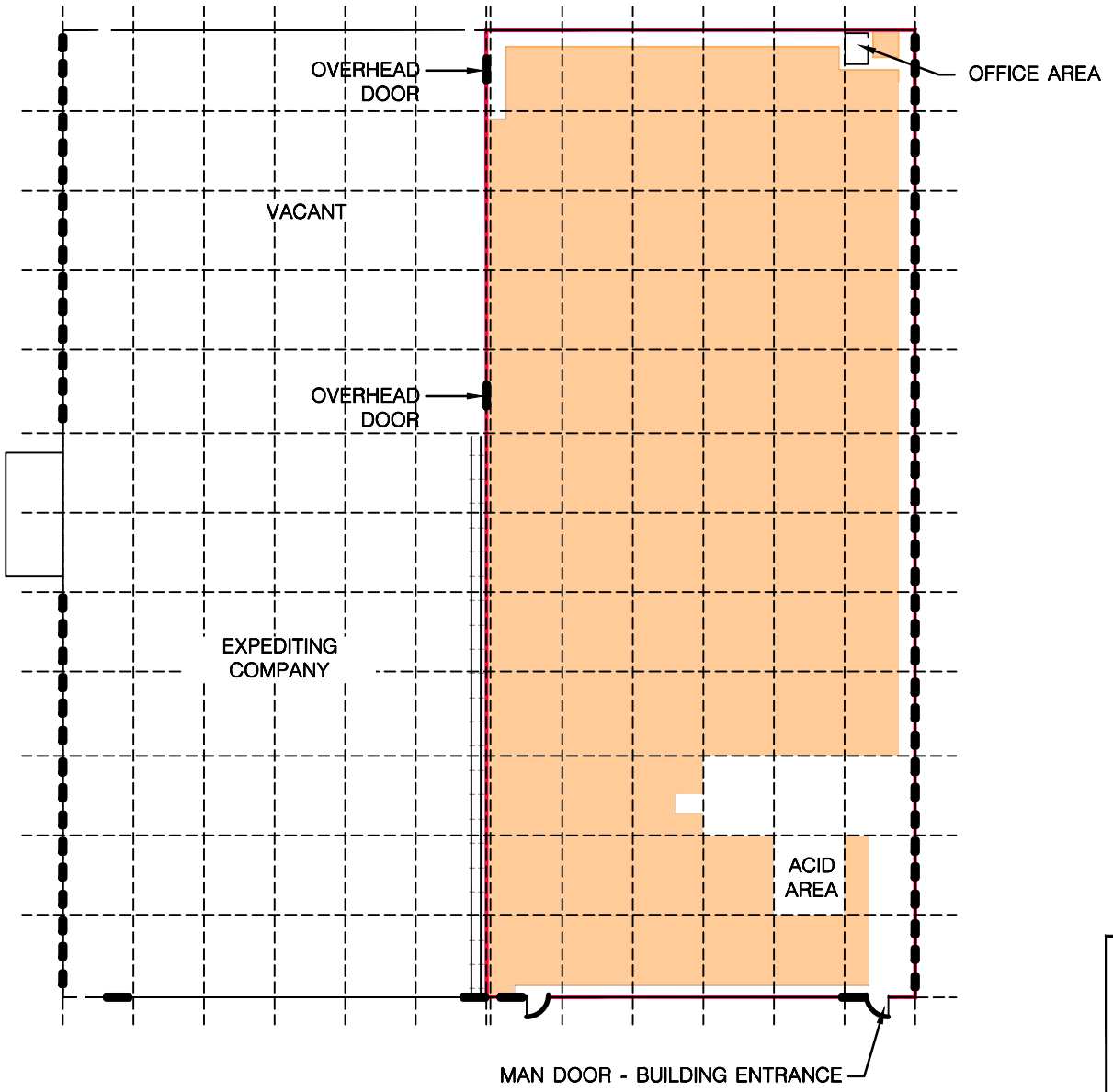

LEGEND

- 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

FIGURE 2
SITE LAYOUT MAP
2200 FAIRWOOD AVENUE
COLUMBUS, OHIO

REQUESTED BY:	NB
DRAWN BY:	KMB
DATE:	11/15/2018
PROJECT:	0888823935

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DATA SOURCES: OLYMBEC

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Appendix A
2016 Olymbec Interim Site Management Plan

INTERIM SITE MANAGEMENT PLAN

December 1, 2016

Closed Loop Facility
2200 Fairwood Avenue
Columbus, Ohio

INTRODUCTION

In December of 2013, Olymbec USA LLC ("Olymbec") purchased property located at 2200 Fairwood in Columbus, Ohio (the "Property"). The Property, consisting of approximately 14.5 acres, includes a warehouse structure consisting of approximately 257,767 square feet.

In December of 2014, Olymbec leased 130,652 square feet of the warehouse facility (approximately fifty percent (50%) of the warehouse facility) to Closed Loop Refining and Recovery, Inc. ("Closed Loop"). The leased area of the warehouse facility will be referred to hereafter as the "Closed Loop Facility" or the "Facility." At the outset of the lease, Olymbec understood, through discussions with the Olymbec brokerage team, that Closed Loop would use the Facility for a general office and for warehousing and distribution associated with a cathode ray tube recycling operation.

In January of 2016, Closed Loop failed to timely pay rent as required by the lease agreement. A letter was then sent to Closed Loop which notified Closed Loop that it had defaulted under the lease. On February 22, 2016, Olymbec filed an action against Closed Loop in the Franklin County Court of Common Pleas. That action is pending, and to date, Olymbec has not been granted possession of the property. By the end of March or early April, 2016, it appeared that Closed Loop ceased operations at the Closed Loop Facility, and Closed Loop's property and possessions (including the inventory of Cathode Ray Tubes (CRTs) and other materials) remain at the Facility.

Olymbec has learned that in January of 2015, at the commencement of the lease, the Ohio EPA conducted an inspection of the Closed Loop Facility. No violations of the hazardous waste laws were found as a result of the inspection. According to the inspection report, Closed Loop Glass Solutions was conducting a glass recycling operation at the Closed Loop Facility.[1] The Facility was apparently accepting "processed Cathode Ray Tubes (CRT, TV glass) which contained lead" from "its sister plant, Closed Loop Refining and Recovery" located at 1675 Watkins Road in Columbus. According to the inspection report, following some additional processing at the Closed Loop Facility, the recycled glass would be sent to another glass recycler/furnace.

In February of 2015, the Ohio EPA conducted a follow-up inspection of the Closed Loop Facility. As a result of the inspection, the Ohio EPA learned that no shipments of "processed/clean" glass had taken place. The inspector also learned that "many pallets of unbroken CRTs" were arriving at the Closed Loop Facility. The inspector was advised that the pallets were coming from Closed Loop's facility at 1655 Watkins Road (adjacent to the Closed

[1] Only Closed Loop Refining and Recovery, Inc. was a party to the lease agreement. Olymbec was not aware that any other entity, and particularly Closed Loop Glass Solutions, would be conducting any operation at the Facility.

Loop facility at 1675 Watkins) and that the "unprocessed" CRTs were being relocated to the Closed Loop Facility at the Property because the "rent was too high" at the facility on Watkins Road. The inspector requested that Closed Loop provide the Ohio EPA with copies of bills of lading for the "first shipment" of "cleaned/processed" glass from the Closed Loop Facility. Olymbec did not know that these inspections had taken place and was not advised of the results of the inspections or that the Ohio EPA had requested documentation evidencing future shipments of cleaned/processed glass.

In January of 2016, the Ohio EPA requested information from Closed Loop regarding operations at the Watkins Road facility (1675 Watkins) and the Closed Loop Facility at the Property. In February of 2016, Closed Loop responded with some of the requested information.

By a letter dated February 26, 2016 (a copy of which was sent to Olymbec), the Ohio EPA requested additional information regarding the inventory of unprocessed CRTs, processed CRT glass, and "cleaned" CRT glass during 2015 and shipments of "cleaned" CRT glass from the Closed Loop Facility during 2015. The information requested by the Ohio EPA, it appears, would aid the Ohio EPA in determining if Closed Loop's operations at the Property (and at the Watkins Road facility) were in compliance with the speculative accumulation provisions set forth in Ohio Administrative Code (OAC) Rule 3745-51-01 and as required by the conditional exclusion for CRTs and processed CRT glass as provided in OAC Rule 3745-051-39. Closed Loop's status as a recycling facility would enable Closed Loop to store, handle and manage materials (CRT's processed glass and clean glass) that would otherwise be subject to the hazardous waste regulations.

In this same letter the Ohio EPA warned that if Closed Loop cannot demonstrate that it has not speculatively accumulated intact CRTs, processed CRT glass or "cleaned processed" CRT glass at the Facility, the conditional exclusion for the recycling of CRTs would no longer apply to Closed Loop. The extent to which Closed Loop provided the information requested by the Ohio EPA is not known, but it appears that some information was provided to the Ohio EPA. Until the receipt of the letter dated February 26, 2015, Olymbec had no knowledge of any issue associated with Closed Loop's operations at the Facility.

By a letter sent to Closed Loop and dated March 3, 2016, Olymbec notified Closed Loop that it had received a copy of the letter from the Ohio EPA dated February 26, 2016. In the March 3 letter, Olymbec "reminded" Closed Loop of its obligations under the lease agreement to comply with all laws, rules and regulations, including the environmental rules and regulations. Olymbec also asked that it be provided with a copy of Closed Loop's response to the February 26 letter. To date, Olymbec has not received a response from Closed Loop.

As of the date of this plan, Closed Loop has not resumed operations at the Closed Loop Facility and its property and possessions (including the inventory of Cathode Ray Tubes (CRTs) and other glass materials) remain at the Facility. Olymbec has taken certain measures to secure access to the Facility.

As a result of discussions with the Ohio EPA, Olymbec has agreed to provide an interim plan for the Closed Loop Facility. This plan incorporates a number of specific tasks, including periodic inspections of the Facility to check on the status of Closed Loop's inventory of CRTs and other glass materials, realignment of some of the storage containers to facilitate such inspections, and the completion of an investigation for any documentation or other records of Closed Loop (including records indicating the sources of CRTs and other materials received by Closed Loop and stored at the Facility). The plan also reports an effort by Closed Loop to pursue legal action with an insurer over coverage for the potential claims and damages arising out of the condition of the Facility and the management of the inventory of CRTs and other materials at the Facility.

INTERIM SITE MANAGEMENT PLAN

CLOSED LOOP FACILITY
2200 Fairwood Avenue, Columbus, Ohio

A. Current Condition of the Facility and Inventory

The Facility is situated within a warehouse building located at 2200 Fairwood Avenue in Columbus, Ohio. A site map showing the layout of the warehouse property is attached as Exhibit A. Olymbec acquired the warehouse building and real property in late 2014. The Closed Loop Facility is located in the eastern half of the warehouse building and consists of approximately 130,652 square feet. A site drawing depicting the area of the warehouse building leased by Closed Loop is attached as Exhibit B. Also included as part of Exhibit B are photographs of the exterior of the warehouse building outside of the Closed Loop Facility.

The remainder of the warehouse building (the western half consisting of approximately 127,115 square feet) is occupied by The Expediting Co., Inc., an Ohio corporation (occupying approximately 89,131 square feet) with the remainder being currently vacant (as of June 30, 2016 when Superior Production LLC, an Ohio limited liability company, vacated the building).

There is access to the Closed Loop Facility space from the other tenant space (by means of two (2) roll-up doors. These access points will be locked or otherwise secured to limit internal access to the Closed Loop facility. The only access thereto is from the outside and all exterior doors are locked and secured. All dock doors and man doors are locked from the inside except for one man door that is locked from the outside. There is a fence around the perimeter of the real property on which the warehouse building is located.

At the present, the Closed Loop Facility is not occupied by Closed Loop, and to the best of Olymbec's information and knowledge, no operations are being conducted at the Facility by Closed Loop. Limited inspections of the Facility have been conducted by or on behalf of Olymbec. The inspections were conducted on May 29, 2016 and on June 23, 2016. Attached hereto as Exhibit C are photographs that were taken during inspections of the Facility on May 29 and June 23.

B. SECURING FACILITY AND INVENTORY OF CLOSED LOOP INVENTORY

a) Initial On-Site Inspection by Olymbec and its Representatives

Within thirty (30) days following approval of this Interim Site Management Plan, Olymbec personnel and any consultants or other representatives will conduct an inspection of the Facility. The purpose of the visit will be to determine what additional security measures should be taken (to limit the potential of vandalism and other

unlawful entrances to the Facility. This inspection will also permit Olymbec to determine the scope of work necessary to complete other tasks to be implemented under this Interim Plan. Olymbec will reposition inventory as noted in d) below to facilitate the inspection.

b) Secure Premises to the Extent not already secured

To the extent that the inspection indicates that additional security measures need to be taken, Olymbec will complete the implementation of such measures within thirty (30) days following the completion of the initial on-site inspection.

c) Prepare OSHA safety plan

Following the initial on-site inspection, an OSHA safety plan will be prepared. The plan will address steps to be taken for persons that access the Closed Loop Facility. That plan will be prepared within thirty (30) days following the completions of the initial on-site inspection.

d) Movement of Containers or other Materials to allow for Assessment of Inventory of CRTs and other Materials and Future Inspections

Previous inspections of the Closed Loop Facility have revealed that so many containers of CRTs and other materials are present that access throughout parts of the Facility is limited. Boxes containing CRTS are commonly stacked three high. As part of the initial on-site inspection, containers will be relocated so as to facilitate the inspection of the areas of the Facility where inspections have not occurred and to facilitate future inspections of the Facility.

e) Interim Response Actions

As a result of the initial on-site inspection, may be interim response actions may need to be undertaken. For example, broken CRTs or other unsecured waste or materials may need to be containerized and disposed. Efforts to assess any needed interim response actions will be completed within ten (10) days following the initial on-site inspection.

f) Complete an Inventory of CRT's and other Materials (by group of product)

Once access throughout the Facility is achieved, Olymbec and/or its representatives will complete an inventory of the CRTs and other Materials stored at the Facility by Closed Loop.

At the same time that the inventory of the CRTs and other Materials is being conducted, Olymbec personnel or other representatives of Olymbec will conduct a search for any records or other documentation at the Facility that would help identify the source of

CRTs and other materials stored by Closed Loop at the Facility; Olymbec has recovered some Closed Loop records and documentation in the area(s) of the Facility that are currently accessible, however, once access throughout the Facility is achieved, Olymbec will and/or its representatives will complete a search for any additional records and documentation. The search will focus on any shipping and receiving records and documentation. Once the records and documentation are compiled (and depending upon the scope and quality of the documentation), Olymbec will prepare a spreadsheet detailing information on inventory shipments to and from the Facility.

It is anticipated that the inventory of the CRT's and other materials and the search for any records or other documentation can be completed within forty-five (45) days following access throughout the Facility is achieved. It is anticipated that the spreadsheet of shipments to or from the Facility can be completed within twenty-one (21) business days following the completion of the search for records or other documentation.

C. PERIODIC INSPECTIONS OF THE FACILITY

Olymbec will conduct periodic inspections of the Closed Loop Facility on a periodic basis. These inspections will take place on at least a quarterly basis (and more frequently if the circumstances warrant).

Olymbec will retain a security company to provide "drive by" patrols of the warehouse property on a weekly basis. During the weekly patrols, inspections will be conducted to assess the external access points of the warehouse building—and particularly the access points to the Closed Loop Facility—and for evidence of any vandalism or the presence of any CRTs or CRT materials outside the warehouse building.

D. INSURANCE COVERAGE LITIGATION

a) Insurance Coverage

Pursuant to the lease agreement, Closed Loop was required to obtain and maintain insurance. One policy obtained and maintained by Closed Loop was a commercial general liability and environmental exposure policy issued by Aspen Specialty Insurance Company. Olymbec is an additional insured under that insurance policy.

Olymbec timely notified Aspen Specialty Insurance Company of its claim for coverage under the policy, and Aspen Specialty Insurance Company has denied coverage.

b) Insurance Coverage Litigation

On October 3, 2016, Olymbec initiated legal action against Aspen Specialty Insurance Company seeking a declaratory judgment and damages. The legal action is pending in the United States District Court for the Southern District of Ohio, Eastern Division (Docket Number 2:16-cv-948).

Significant developments in the insurance coverage litigation will be provided in the periodic reports submitted to the Ohio EPA.

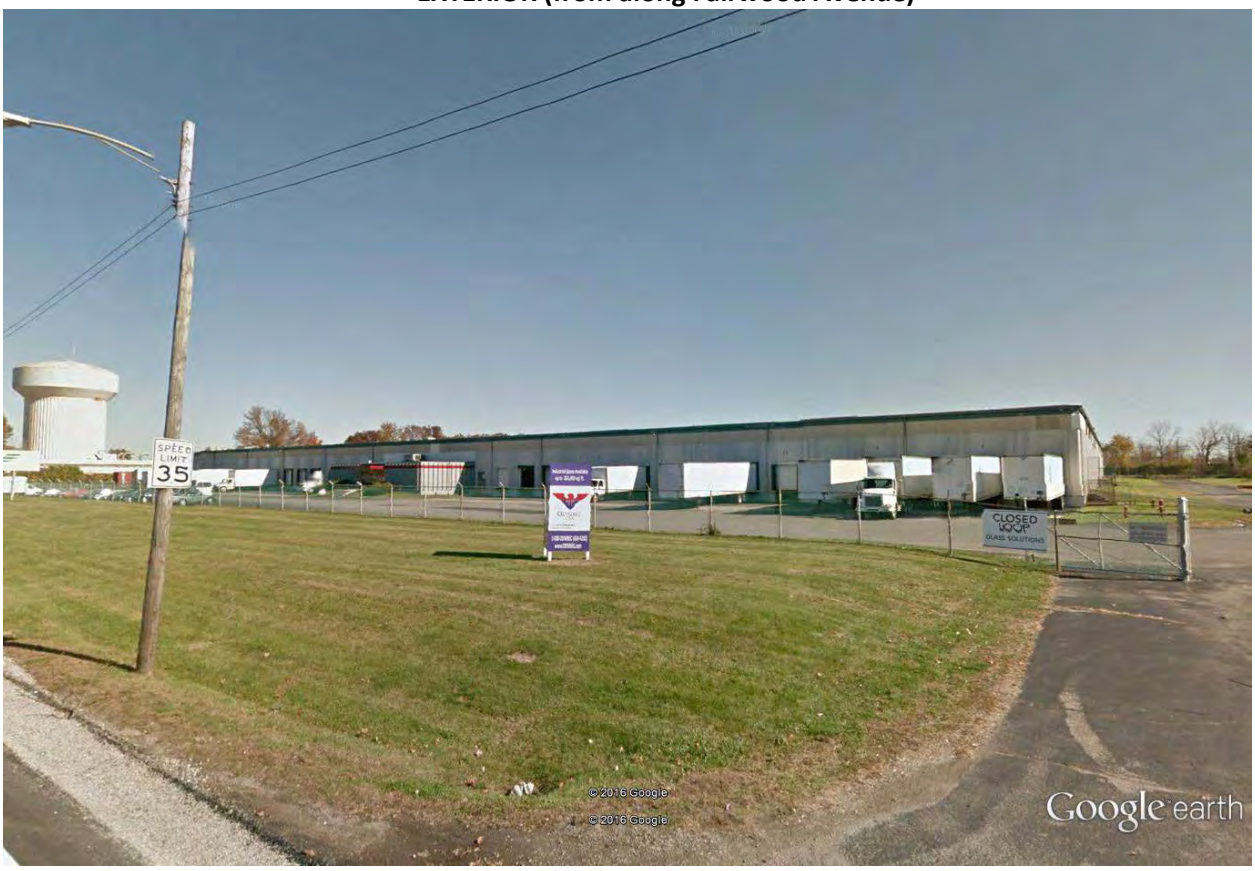
E. PROGRESS REPORTING

Following the initial on-site inspection, the completion of the inventory of CRTs and other materials, the search for shipping and receiving records or other documentation, and the completion of any interim response actions, Olymbec will provide a report to the Ohio EPA detailing the tasks performed and the findings. If any interim response actions are undertaken, documentation evidencing the response actions will be provided as part of that report. It is anticipated that a progress report will be submitted to the Ohio EPA within sixty (60) days following the completion of the tasks to be addressed in the initial progress report.

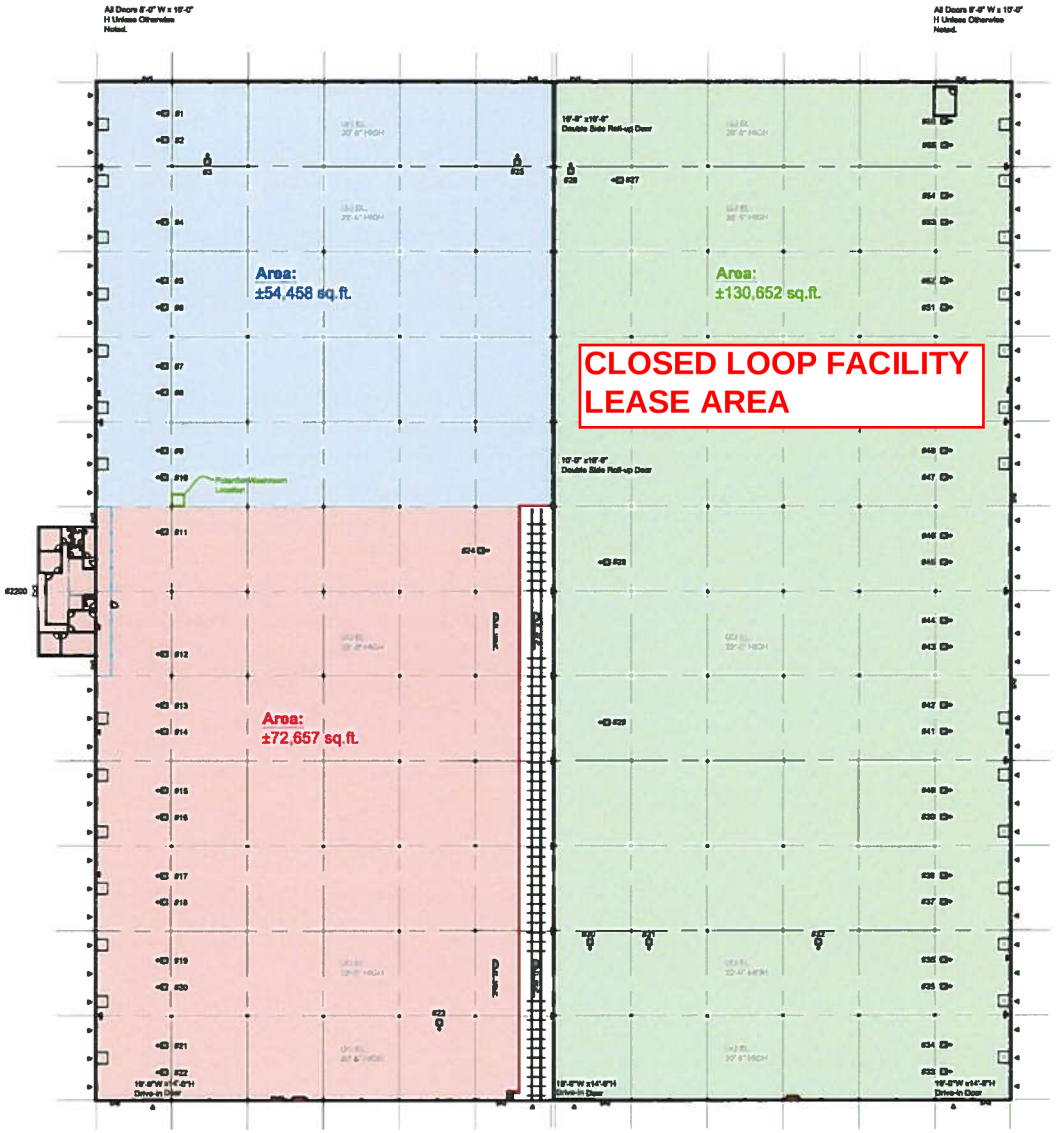
Subsequent progress reports will be provided at six (6) month intervals following the submission of the initial progress report.

EXHIBIT A

2200 FAIRWOOD AVENUE, COLUMBUS, OHIO
EXTERIOR (from along Fairwood Avenue)



AERIAL VIEW OF 2200 FAIRWOOD AVENUE, COLUMBUS, OHIO



=Dock Level Garage Door

=Drive-in Door

*Note That All Dimensions Are Approximate and subject to change without notice / Veuillez noter que les dimensions indiquées sont approximatives et peuvent changer sans avis

Legend:

no.	division/issue	date

Title/ Titre:

Floor Plan

Scale/Échelle: 1/64" = 1'-0"

Drawn By/ Dessiné par:
JC

Date: 10.30.2014

Project Name and Location/
Nom et Localisation du Projet:
2200 Fairwood
Columbus, OH

Suite/Room #

OLYMBEC
333 Décelle
6th floor St. Laurent
Quebec H4N 3M9
Tel (514) 344-3334
WWW.OLYMBEC.COM

EXHIBIT B

EXHIBIT B

Closed Loop Facility
2200 Fairwood Avenue
Columbus, Ohio

PHOTOGRAPHS OF EXTERIOR


18

EXHIBIT C

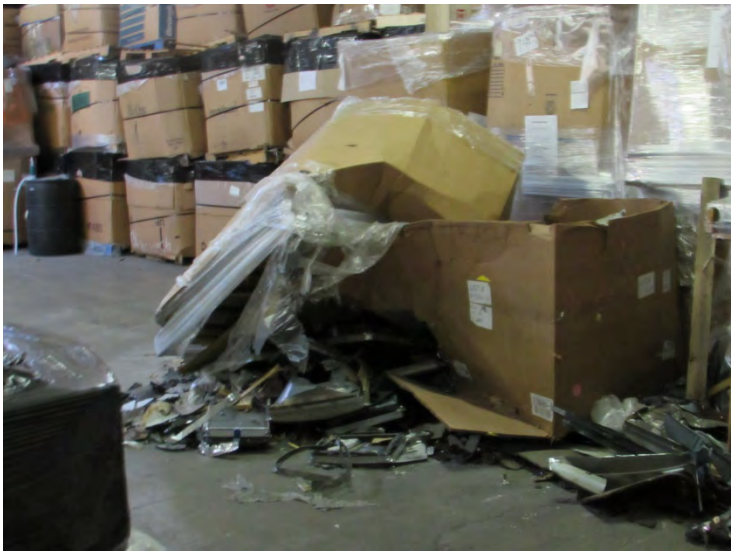
Closed Loop Facility
2200 Fairwood Avenue
Columbus, Ohio

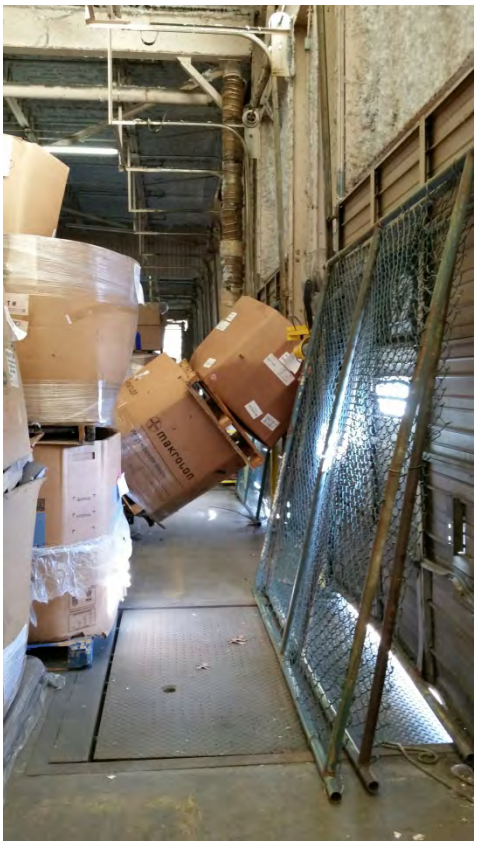
PHOTOGRAPHS OF INTERIOR


Ticona


PolyOne
UNILEVER
RETURNABLE - REUSABLE


867
905

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lyondellbasell


HYDROFLUORIC ACID
RQ, UN1790, HYDROFLUORIC ACID, 8, (6.1
UN-1790
CORROSIVE
8
RQ 100 LBS
HEALTH
FLAMMABILITY
REACTIVITY
PERSONAL PROTECTION
6

GLANKLER BROWN, PLLC
ATTORNEYS AT LAW
6000 POPLAR AVENUE, SUITE 400
MEMPHIS, TENNESSEE 38119
TELEPHONE 901 525-1322
FACSIMILE 901 525-2389
www.glankler.com

December 14, 2016

Ms. Andrea Smoktonowicz
Ohio EPA Senior Staff Attorney
Legal Office
50 W. Town Street, Suite 700
Columbus, Ohio 43215

Re: Closed Loop Refining and Recovery Facility (2200 Fairwood Avenue)

Dear Andrea:

Consistent with our recent conversation, I have enclosed a draft interim work plan that addresses steps our client, Olymbec USA LLC ("Olymbec"), is prepared to implement at the Closed Loop Refining and Recovery facility located at 2200 Fairwood Avenue.

By way of background, the property at 2200 Fairwood was acquired by Olymbec in December of 2013. The property, consisting of approximately 14.5 acres, includes a warehouse structure consisting of approximately 257,767 square feet. The Closed Loop Refining and Recovery facility occupies about fifty percent (50%) of the warehouse structure—consistent with the existing lease with Closed Loop Refining and Recovery, Inc. ("Closed Loop").

As the situation currently exists, Closed Loop is in default on the lease and has been so since early this year. To the best of Olymbec's knowledge, there have been no operations conducted at the facility by Closed Loop since early this year. Closed Loop's property and possessions (including the inventory of Cathode Ray Tubes (CRTs) and other glass materials) remain at the facility. Olymbec has taken certain measures to secure access to the facility.

By the submission of this interim plan, Olymbec is not acknowledging that it is responsible for the costs of securing the inventory of CRTs and other glass materials at the facility or the costs of recycling or disposal of the CRTs and other glass materials. In addition, by submitting this plan, Olymbec is not assuming such responsibility. In fact, Olymbec denies that it is liable for the costs associated with the inventory of CRTs and other glass materials that are now stored at the Closed Loop facility (including any necessary environmental response costs).

The intent of this plan is to provide a process to prepare a more in-depth and accurate inventory of CRTs, glass materials, or any other Closed Loop inventory; to secure such inventory; to facilitate a response to any conditions that merit immediate or near immediate attention; to assure that there will be periodic inspections of the facility and the inventory; and to

permit a search of records or other documentation that will used to develop a database of generator entities or suppliers that are responsible for the inventory of CRTs, other glass materials, and/or other materials at the facility.

Our client remains willing to work with the Ohio EPA. Hopefully, the Ohio EPA will agree that this interim plan provides the necessary assurance that, at least for the near future, the inventory at the Closed Loop facility will be secure. In addition, this plan should help provide opportunity and time for the parties to pursue other legal remedies that they may each have as to any responsible parties or other parties that may have some liability for conditions at the Closed Loop facility.

Please do not hesitate to contact either me or Jason Berger (Olymbec's Executive Vice President of U.S. Operations and U.S. General Counsel) if the Ohio EPA has any questions about the interim plan or if there are any other issues that we need to discuss.

Sincerely,
GLANKLER BROWN, PLLC

Randy B. Womack

Randall B. Womack

cc: Mr. Jason Berger, Olymbec USA LLC

Appendix B
2018 Olymbec Interim Status Report No. 1

GLANKLER BROWN, PLLC
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February 6, 2018

Ms. Andrea Smoktonowicz
Senior Staff Attorney
Ohio Environmental Protection Agency
Legal Office
50 W. Town Street, Suite 700
Columbus, Ohio 43215

Re: Closed Loop Recycling and Recovery, Inc. Facility
2200 Fairwood Avenue, Columbus, Ohio

Dear Andrea:

I have attached an interim status report on the Closed Loop facility located at 2200 Fairwood Avenue in Columbus, Ohio (the "Closed Loop Facility"). My client (Olymbec USA LLC), as you will recall, is the owner of the warehouse property where the Closed Loop Facility is located.

This report details a number of actions that have been undertaken during 2017 and early 2018. These actions included periodic inspections of the Closed Loop Facility, the removal of drums of hydrofluoric acid and a glass "washing" sludge from the Closed Loop Facility, and an assessment of dust within the Closed Loop Facility.

If you or anyone else at the Ohio EPA has any questions regarding this report, do not hesitate to contact me.

Sincerely,
GLANKLER BROWN, PLLC

Randy B. Womack

Randall B. Womack

cc: Mr. J. Fred Ingram, Associate Assistant Attorney General– Environmental Enforcement

INTERIM STATUS REPORT
NO. 1
January 31, 2018

CLOSED LOOP FACILITY
2200 FAIRWOOD AVENUE
COLUMBUS, OHIO

INTRODUCTION

In December of 2013, Olymbec USA LLC ("Olymbec") purchased property located at 2200 Fairwood in Columbus, Ohio (the "Property"). The Property, consisting of approximately 14.5 acres, includes a warehouse structure consisting of approximately 257,767 square feet.

In December of 2014, Olymbec leased 130,652 square feet of the warehouse facility (approximately fifty percent (50%) of the warehouse structure) to Closed Loop Refining and Recovery, Inc. ("Closed Loop"). The leased area of the warehouse structure will be referred to hereafter as the "Closed Loop Facility" or the "Facility." At the outset of the lease, Olymbec understood, through discussions with the Olymbec brokerage team, that Closed Loop would use the Facility for a general office and for warehousing and distribution associated with a cathode ray tube recycling operation.

In January of 2015, at the commencement of the lease, the Ohio EPA conducted an inspection of the Closed Loop Facility. No violations of the hazardous waste laws were identified as a result of the inspection. According to the inspection report, Closed Loop Glass Solutions was conducting a glass recycling operation at the Closed Loop Facility.[1] The Facility was apparently accepting "processed Cathode Ray Tubes (CRT, TV glass) which contained lead" from "its sister plant, Closed Loop Refining and Recovery" located at 1675 Watkins Road in Columbus. According to the inspection report, following some additional processing at the Closed Loop Facility, the recycled glass would be sent to another glass recycler/furnace. Olymbec was not aware that this inspection had taken place.

In February of 2015, the Ohio EPA conducted a follow-up inspection of the Closed Loop Facility. As a result of the inspection, the Ohio EPA learned that no shipments of "processed/clean" glass had taken place. The inspector also learned that "many pallets of unbroken CRTs" were arriving at the Closed Loop Facility. The inspector was advised that the pallets were coming from Closed Loop's facility at 1655 Watkins Road (adjacent to the Closed Loop facility at 1675 Watkins) and that the "unprocessed" CRTs were being relocated to the Closed Loop Facility at the Property because the "rent was too high" at the facility on Watkins Road. The inspector requested that Closed Loop provide the Ohio EPA with copies of bills of lading for the "first shipment" of "cleaned/processed" glass from the Closed Loop Facility. Olymbec did not know that these inspections had taken place and was not advised of the results of the inspections or that the Ohio EPA had requested documentation evidencing future shipments of cleaned/processed glass.

In January of 2016, the Ohio EPA requested information from Closed Loop regarding operations at the Watkins Road facility (1675 Watkins) and the Closed Loop Facility at the Property. In February of 2016, Closed Loop responded with some of the requested information.

[1] Only Closed Loop Refining and Recovery, Inc. was a party to the lease agreement. Olymbec was not aware that any other entity, and particularly Closed Loop Glass Solutions, would be conducting any operation at the Facility.

By a letter dated February 26, 2016 (a copy of which was sent to Olymbec), the Ohio EPA requested additional information regarding the inventory of unprocessed CRTs, processed CRT glass, and "cleaned" CRT glass during 2015 and shipments of "cleaned" CRT glass during 2015. The information requested by the Ohio EPA, it appears, would aid the Ohio EPA in determining if Closed Loop's operations at the Property (and at the Watkins Road facility) were in compliance with the speculative accumulation provisions set forth in Ohio Administrative Code (OAC) Rule 3745-51-01 and as required by the conditional exclusion for CRTs and processed CRT glass as provided in OAC Rule 3745-051-39. Closed Loop's status as a recycling facility would enable Closed Loop to store, handle and manage materials (CRT's processed glass and clean glass) that might otherwise be subject to the hazardous waste regulations.

In this same letter the Ohio EPA warned that if Closed Loop cannot demonstrate that it has not speculatively accumulated intact CRTs, processed CRT glass or "cleaned processed" CRT glass at the Facility, the conditional exclusion for the recycling of CRTs would no longer apply to Closed Loop. The extent to which Closed Loop provided the information requested by the Ohio EPA is not known, but it appears that some information was provided to the Ohio EPA. Until the receipt of the letter dated February 26, 2015, Olymbec had no knowledge of any issue associated with Closed Loop's operations at the Closed Loop Facility

By a letter sent to Closed Loop and dated March 3, 2016, Olymbec notified Closed Loop that it had received a copy of the letter from the Ohio EPA dated February 26, 2016. In the March 3 letter, Olymbec "reminded" Closed Loop of its obligations under the lease agreement to comply with all laws, rules and regulations, including the environmental rules and regulations. Olymbec also asked that it be provided with a copy of Closed Loop's response to the February 26 letter. To date, Olymbec has not received a response from Closed Loop.

By the end of March or early April, 2016, it appeared that Closed Loop ceased operations at the Closed Loop Facility, and Closed Loop's property and possessions (including the inventory of Cathode Ray Tubes (CRTs) and other materials) remain at the Facility.

As of the date of this status report, Closed Loop has not resumed operations at the Closed Loop Facility and its property and possessions (including the inventory of Cathode Ray Tubes (CRTs) and other glass materials) remain at the Facility.

As a result of discussions with the Ohio EPA, Olymbec provided to the Ohio EPA an interim management plan for the Closed Loop Facility. The plan incorporates a number of specific tasks, including periodic inspections of the Facility to check on the status of Closed Loop's inventory of CRTs and other materials, the planned realignment of some of the storage containers to facilitate inspections and inventory activities, and the completion of an investigation for any documentation or other records of Closed Loop (including records indicating the sources of CRTs and other materials received by Closed Loop and stored at the Facility). The plan also reports an effort by Olymbec to pursue legal action with an insurer over coverage for the potential claims and damages arising out of the conditions at the Facility and

the management of the inventory of CRTs and other materials at the Facility. Olymbec was notified by the Ohio EPA's approval of that Plan by correspondence dated March 2, 2017.

This Interim Status Report is the first formal report of activities undertaken by Olymbec pursuant to the Interim Site Management Plan.

A. CURRENT CONDITION OF THE FACILITY AND INVENTORY

The Facility is situated within a warehouse building located at 2200 Fairwood Avenue in Columbus, Ohio. A site map showing the layout of the warehouse property is attached as Exhibit A. Olymbec acquired the warehouse building and real property in late 2014. The Closed Loop Facility is located in the eastern half of the warehouse building and consists of approximately 130,652 square feet. A site drawing depicting the area of the warehouse building leased by Closed Loop (the "Closed Loop Facility" or the "Facility") is attached as Exhibit B.

Limited inspections of the Facility interior have taken place on a number of occasions throughout 2017 and in January of 2018. The inspections were conducted on March 27, 2017, March 28, 2017, June 12, 2017, July 20, 2017, July 25, 2017, November 14, 2017, January 8, 2018 (as a result of a ruptured fire sprinkler line), January 9, 2018, and on January 11, 2018.

Except as noted below, there appears to have been no material change in the conditions that existed at the beginning of 2017.

B. SECURING FACILITY AND INVENTORY OF CLOSED LOOP INVENTORY

a) Initial On-Site Inspection by Olymbec and its Representatives

Not long after the approval of the Interim Site Management Plan, Olymbec personnel and consultants conducted an inspection of the Facility. The primary purpose of the inspection was to determine what waste removal actions should be taken and what other actions might be warranted.

b) Efforts to Better Secure the Facility and Premises

Olymbec has a maintenance engineer that is based in Dayton but inspects the exterior of the Closed Loop Facility (and other exterior areas of the Property) about once per week. A recent inspection revealed an exterior door that had fallen in disrepair and needed to be repaired or replaced. The conditions of the door were discovered on January 11, 2018, temporary measures have been taken to limit access to the facility through the door way, and steps are underway to replace the door.

c) Health and Safety Plan

A health and safety plan to facilitate activities at the Facility has been prepared by EnSafe Inc., an environmental consulting firm. The health and safety plan was prepared after EnSafe Inc. completed an assessment for the existence of lead contaminated dust at the Facility. A copy of the health and safety plan is attached as Exhibit C. This health and safety plan is intended to guide limited activities (such as inspections and minor maintenance) at the Facility. It does not cover activities of any contractors or any other parties conducting activities

at the Facility beyond an inspection of the Facility or minor maintenance activities. It is anticipated that contractors or other parties conducting any activities at the Facility (other than an inspection or minor maintenance) will be responsible for the preparation and implementation of their own health and safety plan.

Consistent with the health and safety plan, visitors to the facility are afforded masks, nitrile gloves and "booties" to wear while inside the facility. A waste disposal container (specially marked) is provided as a depository for used masks, gloves and "booties."

d) Movement of Containers or other Materials to allow for Assessment of Inventory of CRTs and other Materials and Future Inspections

There are so many containers of CRTs and other materials present that access throughout much of the Facility is restricted. The boxes (or gaylords) containing CRTS are commonly stacked three high. There has been no material rearrangement or relocation of boxes.

e) Interim Response Actions

As a result of inspections, it was discovered that there were drums containing or formerly containing hydrofluoric acid at the Facility. In addition, an open-top vat holding approximately 400 gallons of a dark brown liquid was located at the Facility. An adjoining vat contained what appeared to be approximately 100-gallons of dried sludge, and a nearby open-top tote contained approximately 150-gallons of dried sludge. Pictures evidencing drums, the vat, and the tote are attached hereto as Exhibit D.

Following discussions with the Ohio EPA, a limited waste removal action was undertaken. On July 25, 2017, Stericycle dispatched personnel and equipment to the facility. Six (6) drums of hydrofluoric acid were packed for transportation and disposal. Seven (7) drums were packed with a sludge material from the vat and the tote. The drums were transferred to the Petro Chemical Processing Group facility in Detroit, MI where the contents were characterized and, where possible, consolidated with like materials. The six (6) drums of hydroflouic acid were transferred to a TSD facility in Blainville, Québec (Stablex Canada) for stabilization and landfilling. The seven (7) drums of the sludge material were transferred to a treatment facility (EQ Detroit, Inc.) for stabilization. Following stabilization, the sludge material was landfilled.

An additional drum of "filter cake containing lead" was transferred to the Petro Chemical Processing Group facility in Detroit, MI where the contents were characterized and consolidated with like materials. The "filter cake" material was transferred to a treatment facility (EQ Detroit, Inc.) for stabilization. Following stabilization, the sludge material was landfilled.

Two (2) RCRA "empty" drums (formerly containing hydrofluoric acid) were transported to a drum recycler (Maxi Container, Inc.) in Michigan.

Waste manifests and other documentation (including waste profile documentation) evidencing the services performed by Stericycle are attached hereto as Exhibit E. Also included are "project reporting logs" that detail the work (performed by Stericycle's subcontractor, SWS Environmental Services) associated with the vats and the tote.

On July 20, 2017, EnSafe Inc. went to the Facility to perform an industrial hygiene assessment. The purpose of the assessment was to evaluate the presence of lead in settled dust throughout the Facility. Two (2) broken glass samples were collected. Sixteen (16) wipe samples were collected where dust had settled at the Facility. Laboratory analysis of the samples revealed the presence of lead. Laboratory analysis of thirteen (13) of the sixteen (16) wipe samples revealed the presence of lead above the Brookhaven National Laboratory housekeeping acceptable surface levels for lead. Laboratory analysis of the two (2) bulk samples (broken glass) were compared against Ohio Environmental Protection Agency generic direct-contact standards for lead in a commercial/industrial land use setting per Ohio Administrative Code 3745-300-08(C)(3)(f). Both samples exceeded those standards. A copy of a report evidencing EnSafe Inc.'s industrial hygiene assessment is attached hereto as Attachment 1 to Exhibit C.

f) Complete an Inventory of CRT's and other Materials (by group of product)

Olymbec has not completed a comprehensive inventory of the CRTs and other materials stored at the Facility by Closed Loop. However, preliminary assessments indicate that as much as 60 million pounds of CRTs and other electronic materials remain at the Facility.

After it was discovered that Closed Loop had ceased operations at the Facility, an inspection of the Facility resulted in the discovery of a limited number of shipping and receiving records, inventory records, and other documentation generated by Closed Loop. On June 12, 2017, Olymbec personnel or other representatives of Olymbec conducted a search for any additional records or other documentation. No other records or documentation were located. The Closed Loop records and other documentation initially recovered by Olymbec in have been provided to the Ohio Attorney General's Office.

Olymbec's legal counsel recently obtained copies of shipping and receiving records of Closed Loop that are being maintained by Closed Loop's landlord in Arizona. Those records need to be reviewed and compared with the records of Closed Loop that were discovered at the Facility by Olymbec.

C. PERIODIC INSPECTIONS OF THE FACILITY

See Section A for a discussion of inspections conducted at the Facility.

D. INSURANCE COVERAGE LITIGATION

a) Insurance Coverage

Pursuant to the lease agreement, Closed Loop was required to obtain and maintain insurance. One policy obtained and maintained by Closed Loop was a commercial general liability and environmental exposure policy issued by Aspen Specialty Insurance Company. Olymbec is an additional insured under that insurance policy.

Olymbec timely notified Aspen Specialty Insurance Company of its claim for coverage under the policy, and Aspen Specialty Insurance Company denied coverage.

b) Insurance Coverage Litigation

On October 3, 2016, Olymbec initiated legal action against Aspen Specialty Insurance Company ("Aspen") seeking a declaratory judgment and damages. The legal action is pending in the United States District Court for the Southern District of Ohio, Eastern Division (Docket Number 2:16-cv-948). Closed Loop is also a defendant in that legal action.

On January 5, 2017, Aspen filed a Rule 12(b)(6) motion to dismiss the legal action. By an Opinion and Order dated September 18, 2017, the Court denied Aspen's motion to dismiss. By this same Opinion and Order, the Court entered a default judgment against Closed Loop in favor of Olymbec on the matter of liability. No hearing is scheduled at this time on the damages to which Olymbec is entitled from Closed Loop.

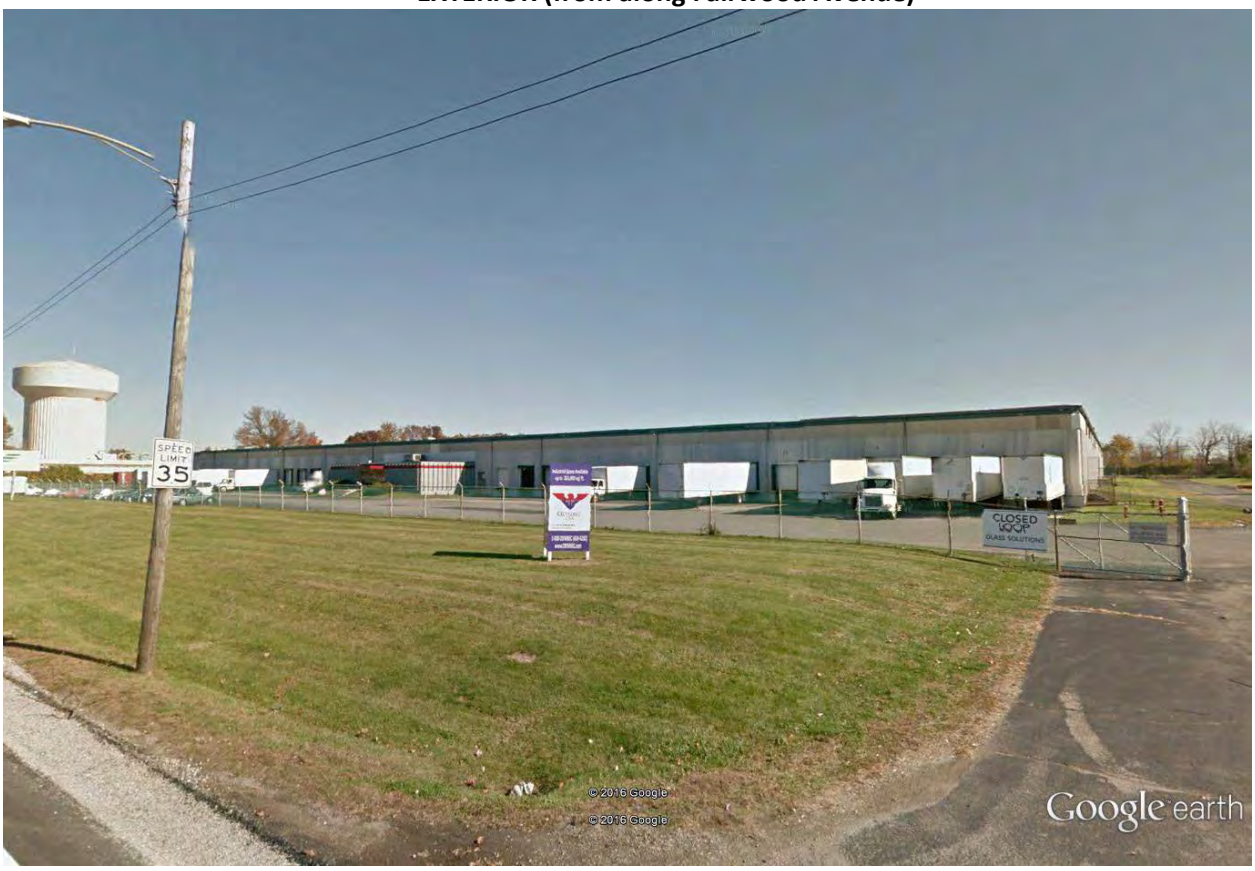
The Court has since entered a scheduling order. The trial of the legal action against Aspen is set for August 26, 2019.

E. PROGRESS REPORTING

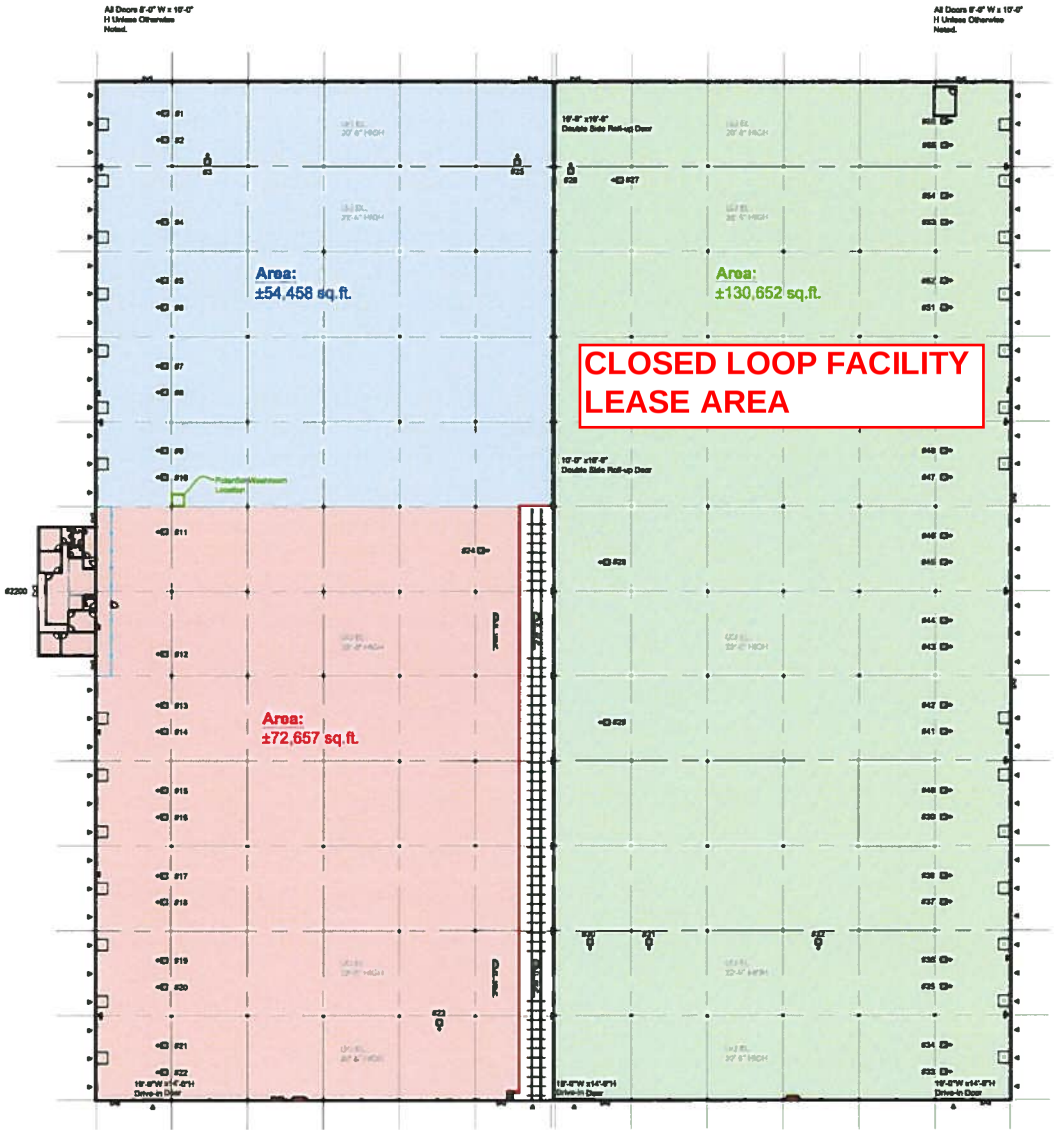
It is anticipated that the next interim status report will be submitted to the Ohio EPA on or about July 31, 2018.

EXHIBIT A

2200 FAIRWOOD AVENUE, COLUMBUS, OHIO
EXTERIOR (from along Fairwood Avenue)



AERIAL VIEW OF 2200 FAIRWOOD AVENUE, COLUMBUS, OHIO



=Dock Level Garage Door

=Drive-in Door

*Note That All Dimensions Are Approximate and subject to change without notice / Veuillez noter que les dimensions indiquées sont approximatives et peuvent changer sans avis

Legend:

no.	division/issue	date

Title/ Titre:

Floor Plan

Scale/Échelle: 1/64" = 1'-0"

Drawn By/ Dessiné par:
JC

Date: 10.30.2014

Project Name and Location/
Nom et Localisation du Projet:
2200 Fairwood
Columbus, OH

Suite/Room #

OLYMBEC
333 Décelle
6th floor St. Laurent
Quebec H4N 3M9
Tel (514) 344-3334
WWW.OLYMBEC.COM

EXHIBIT B

EXHIBIT C

This Building Contains Dust From Past Cathode Ray Tube Recycling Operations That is Contaminated With Lead

For Your Protection – The Following Procedures Have Been Developed to Reduce Exposure to Lead-Containing Dust

NOTE:

THESE PROCEDURES ARE MINIMUM SUGGESTIONS FOR PROTECTION AGAINST LEAD DUST

THESE PROCEDURES ARE NOT INTENDED TO SUPPLANT SPECIFIC REQUIREMENTS OF 29 CFR §1910.1025 OR OTHER APPLICABLE REQUIREMENTS OF 29 CFR §1910.

CONTRACTORS ARE REQUIRED TO DEVELOP THEIR OWN SITE-SPECIFIC PROCEDURES TO REFLECT THE ACTIVITIES AND WORK PRACTICES THAT THEY WILL BE PERFORMING.

CFR – Code of Federal Regulations

1. Location

Former Closed Loop Refining and Recovery Inc.
2200 Fairwood Avenue
Columbus, Ohio 43207

2. Site History and Description

Olymbec USA LLC (Olymbec) owns the 257,767-square-foot warehouse structure at the above location. Closed Loop Refining and Recovery, Inc. (Closed Loop) leased 130,652 square feet of the building for warehousing and distribution as part of a cathode ray tube (CRT) recycling operation (subject property). Closed Loop subsequently ceased activities at the subject property without removing stored materials. Warehouse conditions include:

- Approximately 90 percent of the subject property floor space is occupied by palletized cardboard boxes containing CRTs and CRT glass stacked an average three boxes high.
- Several cardboard boxes have fallen to the floor, and broken CRTs and associated glass and other items have been observed near these boxes.
- Several cardboard boxes are leaning against or towards exterior warehouse walls and doors; these boxes preclude safe and efficient access around the stored boxes within the warehouse.

During July 2017, EnSafe Inc. performed a lead dust industrial hygiene assessment that included collection and analysis of wipe samples from 16 locations throughout the facility where dust had collected. Six samples were collected at elevated heights (from the top of suspended piping or structural building elements), five samples were collected from the concrete floor, and five samples were collected from the insulation covered walls. Two samples of broken CRT glass spilled from broken boxes were also collected.

Wipe sample results indicate that 13 of 16 wipe samples exceed Brookhaven National Laboratory non-lead operation area acceptable surface level criteria. Both broken CRT glass samples exceed Ohio Environmental Protection Agency's commercial/industrial land use generic direct contact standard per Ohio Administrative Code 3745-300-08(C)(3)(f). A copy of the industrial hygiene assessment report is included as Attachment 1.

The building can be accessed by a man-door at the southeast corner of the warehouse and an overhead door at the northwest corner. Approximately 4-foot wide paths are between the north, east, and west exterior walls of the building and stacked, palletized, cardboard boxes of CRTs and CRT glass. Several boxes have fallen against the east warehouse wall; accessing the north wall requires traversing one fallen box taking care to avoid glass poking through the box, box collapse, or additional boxes falling.

This plan is intended to notify contractors of the lead containing dust hazard pursuant to 29 Code of Federal Regulations (CFR) §1910.1025. Lead hazards within the warehouse include:

- Dust samples contain lead at concentrations between 16 and 750 µg/100 cm^2, which exceed the non-lead operation area acceptable surface level criteria of 40 µg/100 cm^2.

- The Occupational Safety and Health Administration permissible exposure limit and the American Conference of Governmental Industrial Hygienists Threshold Limit Value for lead is 0.050 mg/m^3.

- It is presumed that contractor activities within the building, including but not limited to, moving boxed materials, servicing building equipment (heaters, lights, etc.), and other activities that require more than visual assessment, **will have the potential to disturb dust and create airborne dust at concentrations greater than the Occupational Safety and Health Administration permissible exposure limit and the American Conference of Governmental Industrial Hygienists Threshold Limit Value for lead**. This assumption should be maintained until actual lead dust sampling has been performed.

3. Site Organization and Control

A.	Work Areas Identified:	☐	No	☒	Yes *Contractor to define*
B.	Decontamination Areas Identified:	☐	No	☒	Yes *Adjacent building entrance*
C.	Support Areas Established:	☐	No	☒	Yes *Adjacent building entrance*
D.	Site Security Established:	☐	No	☒	Yes *Doors are maintained locked*
E.	Sketch of Site Available:	☐	No	☒	Yes *See Attachment 1*

4. Job Activities/Work Plans

This plan assumes that contractors will perform activities that have the potential to disturb lead containing dust. Specific activities will be documented in a Job Hazard Analysis (JHA) prepared by the contractor, or in a separate site specific health & safety plan that incorporates applicable elements of this plan.

This plan assumes that stacked cardboard boxes will not be climbed over. If a leaning box is encountered, contractors will assess if the leaning box poses an imminent falling hazard; if an imminent hazard is identified, and the leaning box cannot be safely passed, then the leaning box will not be passed. ***A site-specific health & safety plan or JHA that incorporates specific contractor procedures for removing/stabilizing leaning boxes is required.***

5. Education and Training

A. At a minimum, site workers must be trained pursuant to 29 CFR §1910.1025(l)

B. Site workers must be trained on site hazards pursuant to 29 CFR 1910.1200(h)

C. Additional training that may be required, includes, but is not limited to:

Confined Space Entry
Fall Protection
Lockout/Tagout
Special PPE Training
Other (Specify): _ _____

6. Medical Surveillance

A. Site workers may require medical surveillance pursuant to 29 CFR §1910.1025(j).

7. Ambient Field Monitoring

A. None required.

8. Levels of Protection

A. Job Activity: Contractor performing interior building maintenance or other activities that have the potential to disturb dust or create airborne dust

Level of Protection: Level C

List of Personal Equipment:

	No	Yes	
Air-Purifying Respirator	☐	☒	Cartridge: Half-face w/ P100 (or equal)
Boot Covers	☐	☒	
Chemical Protective Clothing	☐	☒	Model: ACM/Lead remediation suit
Gloves (Nitrile)	☐	☒	(Inner/Outer disposable)
Gloves (Specify:_____)	☐	☒	(If not nitrile; outer disposable)
Hard Hat	☐	☐	Depends on specific work activity
Safety Work Boot	☐	☒	Recommended
Safety Glasses	☐	☒	Recommended
High Visibility Vest	☐	☐	Depends on specific work activity

NOTE: PPE and Safety Equipment identified herein are minimum recommendations — and ***may not be applicable for all job activities*.**
CONTRACTOR IS RESPONSIBLE FOR SELECTING ACTIVITY APPROPRIATE PROTECTIVE EQUIPMENT FOR THEIR EMPLOYEES

9. Safety Equipment List

A. Safety Equipment (for lead dust protection only; additional equipment may be required depending on the project task.

	No	Yes	
Communications	☐	☒	(Cell phones)
Fall Protection System	☐	☐	Depends on specific work activity
Fire Extinguisher	☐	☐	Provided By: _____
First Aid Kit	☐	☒	
Full Body Entry Harness	☐	☐	Depends on specific work activity
Insulated Coveralls	☐	☐	Depends on specific work activity
Mechanical Retrieval	☐	☐	Depends on specific work activity
Other (Identify)	☐	☐	_____

EXHIBIT C

B. Decontamination Equipment:

	No	Yes	
Brushes	☐	☐	If tool decontamination required
Buckets	☐	☐	If tool decontamination required
Liquinox	☐	☐	If tool decontamination required
Water Source Available	☐	☒	(Containerized water required)
Chemical Wipes	☐	☒	(HexOff or similar to decontaminate small tools)
Other (Identify)	☐	☐	_____

C. Sanitation: ☐Latrines ☐Showers ☒ Hand Washing

10. Decontamination Procedures

A. Work Activity: Contractor performing interior building maintenance or other activities that have the potential to disturb dust or create airborne dust

Level of Protection: Level C

Decontamination Solutions: None

Procedures (by Station): Properly remove disposable PPE and discard in provided waste receptacle.

For non-disposable PPE (e.g., respirators) that can be decontaminated, see "B" (below).

For launderable PPE, follow procedures applicable to 29 CFR §1910.1025(g).

B. Work Activity: Reusable contractor equipment

Level of Protection: N/A

Decontamination Solutions: None (anticipated)

Procedures (by Station): Wipe tools with appropriate wipes and discard wipes in provided waste receptacle.

EXHIBIT C

11. Contingency Plans

A. Local Sources of Assistance:

1. Hospital: Ohio Health Grant Medical Center
   (address): 111 South Grant Avenue; Columbus, Ohio 43215
   (phone): (614) 566-9000
   - Directions:
     - Depart **Fairwood Avenue** (north);
     - Turn **right** onto **Frebis Avenue**;
     - Turn **left** onto **Alum Creek Drive**;
     - Turn **right** onto **US-33/E Livingston Avenue**;
     - Take ramp left and follow signs for **I-70 West**;
     - At **exit 101B**, take ramp **right** for **East Mound Street** toward Downtown;
     - Turn **right** onto **South Grant Avenue**
2. Ambulance (name and number): Columbus Division of Fire (911)
3. Fire Department (name and number): Columbus Division of Fire (911)
4. Police (name and number): Police 911
5. Site Phone Number: To be provided by contractor

B. National or Regional Sources of Assistance

1.	Olymbec USA LLC	1-901-398-2093
2.	CHEMTREC (24 hours)	1-800-424-9300
	The following may be reached through CHEMTREC:	
	• Chemical Manufacturer	
	• National Agricultural Chemical Association (NACA)	
	Pesticides Safety Team Network	
	• Energy Research and Development Administration (ERDA) (radioactive materials)	
3.	Association of American Railroads	1-202-293-4048
4.	Center for Disease Control (biological agents)	1-404-633-5313
5.	U.S. Department of Transportation, (USDOT) Office of Hazardous Materials Transportation	1-202-366-4488
6.	U.S. Environmental Protection Agency (USEPA Reg. 4)	1-800-241-1754
7.	National Response Center, (NRC) (oil and hazardous substances)	1-800-424-8802

EXHIBIT C

Attachment 1

EnSafe Inc.
Industrial Hygiene Assessment Report
October 12, 2017

EXHIBIT C

INDUSTRIAL HYGIENE ASSESSMENT REPORT

OLYMBEC USA LLC
2200 FAIRWOOD AVENUE
COLUMBUS, OHIO 43207

EnSafe Project Number:
0888821243/001

Prepared for:

OLYMBEC

Olymbec USA LLC
2200 Fairwood Avenue
Columbus, Ohio 43207

Sample Date: July 20, 2017
Draft Report Date: August 29, 2017
Final Report Date: October 12, 2017

525 Vine Street Suite 1755
Cincinnati, Ohio 45202
(513) 621-7233 | (513) 621-7234

ENSAFE

creative thinking. **custom solutions.** ®

EXHIBIT C

INDUSTRIAL HYGIENE ASSESSMENT REPORT

OLYMBEC USA LLC
2200 FAIRWOOD AVENUE
COLUMBUS, OHIO 43207

EnSafe Project Number:
0888821243/001

Prepared for:

OLYMBEC
Olymbec USA LLC
2200 Fairwood Avenue
Columbus, Ohio 43207

Prepared by:

Michael Przybylski/Robert J. Goodman, CIH, CSP

August 28, 2017
Date

Reviewed by:

Edward B. Baker

October 12, 2017
Date

525 Vine Street Suite 1755
Cincinnati, Ohio 45202
(513) 621-7233 | (513) 621-7234

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EXHIBIT C

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EXECUTIVE SUMMARY

EnSafe Inc. performed an industrial hygiene assessment at the Olymbec USA LLC (Olymbec) owned facility in Columbus, Ohio, on July 20, 2017. The purpose and scope of the assessment was to evaluate the presence of lead in settled dust throughout a storage warehouse having been historically occupied by Closed Loop, a cathode ray tube recycler. At the time of inspection, the cathode ray tube materials and wastes associated with Closed Loop's operations were still present in the leased premises. Two bulk samples of broken cathode ray tube glass and sixteen wipe samples were collected.

Results of both broken glass bulk samples from the warehouse floor reveal the presence of lead. The bulk sample results exceed Ohio Environmental Protection Agency generic direct-contact standards for lead in a commercial/industrial land use.

In addition, current Occupational Safety and Health Administration standards for lead (29 Code of Federal Regulations 1910.1025(h)) require that "all surfaces shall be maintained as free as practicable of accumulations of lead." Results of the lead wipe samples reveal thirteen of the sixteen samples were above the Brookhaven National Laboratory housekeeping acceptable surface levels for lead.

EXHIBIT C

1.0 INTRODUCTION

Facility/Location:	Closed Loop Refining and Recovery Inc. 2200 Fairwood Avenue Columbus, Ohio
Facility Contact:	Mr. Mike Monnin, Maintenance Engineer
Monitoring Date:	July 20, 2017
Contaminants:	Lead
EnSafe Inc. Field Personnel:	Mr. Michael Przybylski and Mr. Kevin Losekamp
EnSafe Project Manager:	Mr. Edward B. Baker
Reason for Monitoring:	Specific Request

Olymbec USA LLC (Olymbec) owns a 257,767-square-foot warehouse structure at 2200 Fairwood Avenue in Columbus, Ohio. Closed Loop Refining and Recovery, Inc. (Closed Loop) leased 130,652 square feet of the building for warehousing and distribution as part of a cathode ray tube (CRT) recycling operation (subject property). During EnSafe's March 26, 2017, site visit, the warehouse conditions were as follows:

- Approximately 90 percent of the subject property floor space was occupied by palletized cardboard boxes containing CRTs and CRT glass stacked an average of three boxes high.
- Several cardboard boxes had historically fallen to the floor, and broken CRTs and associated glass were on the subject property floor near these boxes.
- Several cardboard boxes were leaning against or towards exterior warehouse walls and doors; these boxes precluded safe and efficient access around the stored boxes within the warehouse.

This industrial hygiene assessment was performed to assist Olymbec in evaluating the release or spill of pollutants or hazardous materials or substances because of the Closed Loop operations.

2.0 SAMPLING

Bulk

Two bulk samples of broken CRT glass spilled from broken boxes were collected. The sample locations were selected based upon EnSafe's March 2017 site visit. The following summarizes the bulk sample locations:

Sample Number	Sample Description
17-0187586	Glass Warehouse South
17-0187576	Glass Warehouse Mid

Wipe

Wipe samples were collected at sixteen locations where dust had collected throughout the facility. Six samples were collected at an elevated height (either from the tops of suspended piping or from structural building elements), five samples were collected from the concrete floor, and five samples were collected from the insulation covered walls. The following summarizes the wipe sample locations:

Sample Number	Sample Description
17-0187591	Elevated-1
17-0187590	Elevated-2
17-0187589	Elevated-3
17-0187588	Elevated-4
17-0187587	Elevated-5
17-0187585	Elevated-6
17-0187584	Floor-1
17-0187583	Floor-2
17-0187582	Floor-3
17-0187581	Floor-4
17-0187580	Floor-5
17-0187579	Wall-1
17-0187578	Wall-2
17-0187577	Wall-3
17-0187575	Wall-4
17-0187574	Wall-5

The approximate location of each sample, sample identification, laboratory identification, and result can be referenced in Figure 1.

3.0 METHODS AND MATERIALS

Bulk sampling for lead was conducted while wearing nitrile gloves and laboratory provided glass jars to collect broken glass on the floor. Wipe sampling was conducted using nitrile gloves, pre-moistened lead wipes, sample templates, and plastic vials. Wipe sampling was conducted inside a new 100-square centimeter template using pre-moistened wipes. Elevated wipe samples were accessed using a 24-foot extension ladder to sample areas accessible from the warehouse floor (e.g., were not blocked by stored boxes). Wall samples were generally collected between heights of approximately 3 to 5 feet above the floor from fibrous insulation.

Analysis of the samples was performed following modified Method SW846 3050B/6010C/OSHA 125G ICP BULK for the bulk samples, and modified SW846 3051A/3050B/6010C/NIOSH9102 ICP LD for the wipe samples, at the American Industrial Hygiene Association-accredited laboratory, SGS Galson Laboratories, East Syracuse, New York. The sampling media and templates were provided by SGS Galson Laboratories.

4.0 RESULTS

Information about each sample, including the sampling parameters, laboratory analytical results, analytical method, applicable exposure limit, and comments, is referenced in Attachment A. The laboratory analytical report is provided in Attachment B. Bulk sample results are reported in milligrams per kilogram, while wipe sample results are reported in micrograms per cubic centimeter in the laboratory analytical report. The wipe sample results were converted to micrograms per 100 cubic centimeters, as reported in Attachment A, to facilitate comparison against screening criteria.

The bulk sample results were compared against Ohio Environmental Protection Agency generic direct-contact standards for lead in a commercial/industrial land use setting per Ohio Administrative Code 3745-300-08(C)(3)(f).

The Occupational Safety and Health Administration standard (29 Code of Federal Regulations 1910.1025(h)) for lead requires "all surfaces shall be maintained as free as practicable of accumulations of lead." Wipe sample results were compared against the non-lead operational area acceptable surface levels, e.g., "areas where metals are not routinely handled and personal hygiene control practices are not in-place (e.g. eating and drinking are allowed; hand washing is not expected on exit of the area)" published by the Brookhaven National Laboratory, Surface Wipe Sampling Procedure Number IH75190 (Revision March 4, 2014).

Considering our observations, combined with the analytical results obtained from the collected samples, it is to our professional opinion that the lead dust detected in the wipe samples collected by EnSafe is the result of releases and/or spills resulting from the operations historically conducted by Closed Loop.

5.0 DISCLAIMER

This report is for the sole use of Olymbec and their legal representatives. Use of this report by any other party will be at such party's sole risk, and EnSafe disclaims liability for any such use or reliance by third parties. The results presented in this report are indicative of conditions at the time of the assessment. This study does not purport to include every safety or health hazard at this location, and only those areas and exposures specifically mentioned were evaluated. EnSafe disclaims liability for Olymbec's safety beyond the content of this report. EnSafe prepared this report based upon the direction and information provided by Olymbec, and shall not assume responsibility for misinformation that EnSafe could not reasonably determine was incorrect at the time of the performance of work.

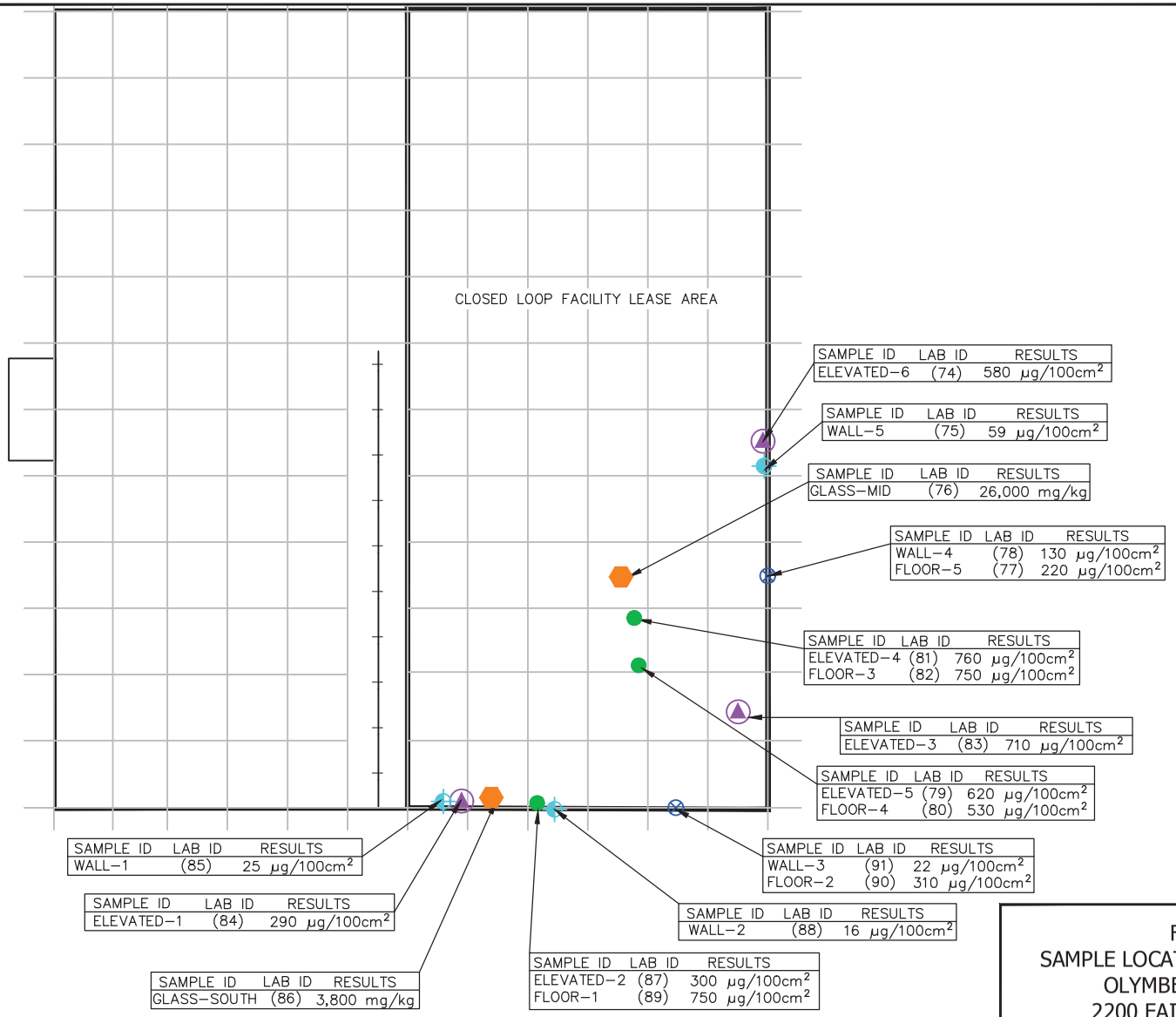

EXHIBIT C

FIGURE 1
SAMPLE LOCATIONS AND DATA MAP
OLYMBEC WAREHOUSE
2200 FAIRWOOD AVENUE
COLUMBUS, OHIO

LEGEND

- ELEVATED AND FLOOR WIPE SAMPLE LOCATION
- ELEVATED SAMPLE LOCATION
- BULK GLASS SAMPLE LOCATION
- BULK INSULATION AND FLOOR WIPE SAMPLE LOCATION
- BULK INSULATION SAMPLE LOCATION

mg/kg MILLIGRAMS PER KILOGRAMS
µg/100cm² MICROGRAMS PER 100 CENTIMETERS SQUARED
(88) LAB IDENTIFICATION NUMBER

REQUESTED BY:	KL
DRAWN BY:	KMB
DATE:	08/28/2017
PROJECT:	0888821243

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I:\CAD PROJECTS\21243 Olymbec Warehouse_Ohio\Plans\21243_B001_SAMPLE_DATA_OLYMBEC WAREHOUSE_OHIO.dwg 8/28/2017 5:22:18 PM

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Attachment A
Bulk and Wipe Sampling Results

EXHIBIT C

TABLE 1

SUMMARY OF ANALYTICAL RESULTS

OLYMBEC USA LLC
COLUMBUS, OHIO

Sample Description	Laboratory Sample ID	Screening Value	Sample Result	Units
Bulk Broken Glass on Floor				
Glass- Warehouse South	17-0187586	1,800	**3,800**	mg/kg
Glass- Warehouse Mid	17-0187576	1,800	**26,000**	mg/kg
Wipe Samples				
Elevated-1	17-0187584	40	**290**	µg/100 cm²
Elevated-2	17-0187587	40	**300**	µg/100 cm²
Elevated-3	17-0187583	40	**710**	µg/100 cm²
Elevated-4	17-0187581	40	**760**	µg/100 cm²
Elevated-5	17-0187579	40	**620**	µg/100 cm²
Elevated-6	17-0187574	40	**580**	µg/100 cm²
Floor-1	17-0187589	40	**750**	µg/100 cm²
Floor-2	17-0187590	40	**310**	µg/100 cm²
Floor-3	17-0187582	40	**750**	µg/100 cm²
Floor-4	17-0187580	40	**530**	µg/100 cm²
Floor-5	17-0187577	40	**220**	µg/100 cm²
Wall-1	17-0187585	40	25	µg/100 cm²
Wall-2	17-0187588	40	16	µg/100 cm²
Wall-3	17-0187591	40	22	µg/100 cm²
Wall-4	17-0187578	40	**130**	µg/100 cm²
Wall-5	17-0187575	40	**59**	µg/100 cm²

Notes:

Samples were collected by EnSafe Inc. and analyzed by SGS Galson Laboratories, East Syracuse, New York Broken glass bulk samples were analyzed according to modified Method SW846 3050B/6010C/OSHA 125G ICP BULK. Wipe samples were analyzed according to modified Method SW846 3051A/3050B/6010C/NIOSH9102 ICP LD.

Broken Glass Screening Value: Commercial/Industrial Land Use Generic Direct Contact Standard per Ohio Administrative Code 3745-300-08(C)(3)(f).

Wipe Sample Screening Value: Brookhaven National Laboratory non-lead operation area acceptable surface level criteria. Surface Wipe Sampling Procedure Number IH75190 (March 4, 2014)

mg/kg = milligrams per kilogram

µg/100 cm² = micrograms per 100 square centimeters

Boxed bold values = Exceeds screening criteria

EXHIBIT C

Attachment B
Laboratory Analytical Results

EXHIBIT C

SGS GALSON

Mr. Mike Przybylski
EnSafe, Inc.
525 Vine Street
Suite 1755
Cincinnati, OH 45202

July 28, 2017

DOH ELAP #11626
AIHA-LAP #100324

Account# 13497

Login# L413286

Dear Mr. Przybylski:

Enclosed are the analytical results for the samples received by our laboratory on July 21, 2017. All test results meet the quality control requirements of AIHA-LAP and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. When possible, non-IOM samples will be retained for 14 days following the date of this report (unless an extension is specifically requested). IOM samples are retained for 7 days.

Current Scopes of Accreditation can be viewed at www.galsonlabs.com in the accreditations section under the "about Galson" tab.

Please contact Tonya Lancaster at (888) 432-5227, if you would like any additional information regarding this report. Thank you for using SGS Galson Laboratories.

Sincerely,

SGS Galson Laboratories

Lisa Swab
Laboratory Director

Enclosure(s)

Galson Laboratories, Inc. is now a part of SGS, the world's leading inspection, verification, testing, and certification company. As part of our transition to SGS, you will begin to see some formatting changes with reports that will improve the presentation of data and allow for the transition to the new logo.

SGS GALSON

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LABORATORY ANALYSIS REPORT

Client	: EnSafe	Account No.:	13497
Site	: Olymbec Warehouse-Columbus, OH	Login No. :	L413286
Project No.	: 0888821243-001		
Date Sampled	: 20-JUL-17	Date Analyzed :	26-JUL-17 - 27-JUL-17
Date Received	: 21-JUL-17	Report ID :	1009499

Lead

Sample ID	Lab ID	Weight g	Total ug	Conc mg/kg
17-0187586	L413286-6	0.13	480	3800
17-0187576	L413286-16	0.12	3300	26000

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COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation:	20. mg/kg	Submitted by:	SJW/JPA
Analytical Method :	mod. SW846 3050B/ 6010C/ OSHA 125G ICP BULK	Approved by :	JJL/KEG
OSHA PEL :	NA	Date :	28-JUL-17 NYS DOH # : 11626
Collection Media :	Bulk	Supervisor:	KEG QC by: NDC

<	-Less Than	mg	-Milligrams	m3	-Cubic Meters	kg	-Kilograms
>	-Greater Than	ug	-Micrograms	l	-Liters	NS	-Not Specified

NA -Not Applicable ND -Not Detected
ppm -Parts per Million

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LABORATORY ANALYSIS REPORT

Client : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001
Date Sampled : 20-JUL-17
Date Received : 21-JUL-17

Account No.: 13497
Login No. : L413286
Date Analyzed : 25-JUL-17
Report ID : 1009217

Lead

Sample ID	Lab ID	Area cm2	Total ug	Conc ug/cm2
17-0187591	L413286-1	100	22	0.22
17-0187590	L413286-2	100	310	3.1
17-0187589	L413286-3	100	750	7.5
17-0187588	L413286-4	100	16	0.16
17-0187587	L413286-5	100	300	3.0
17-0187585	L413286-7	100	25	0.25
17-0187584	L413286-8	100	290	2.9
17-0187583	L413286-9	100	710	7.1
17-0187582	L413286-10	100	750	7.5
17-0187581	L413286-11	100	760	7.6
17-0187580	L413286-12	100	530	5.3
17-0187579	L413286-13	100	620	6.2
17-0187578	L413286-14	100	130	1.3
17-0187577	L413286-15	100	220	2.2
17-0187575	L413286-17	100	59	0.59
17-0187574	L413286-18	100	580	5.8

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 1.3 ug
Analytical Method : mod. SW846 3051A/3050B/6010C/NIOSH9102 ICP LD
OSHA PEL : NA
Collection Media : Lead Wipe

Submitted by: SJW/JPA
Approved by : KEG
Date : 26-JUL-17
Supervisor: KEG

NYS DOH # : 11626
QC by: NDC

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million

EXHIBIT C

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Client Name : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001

Date Sampled : 20-JUL-17 Account No.: 13497
Date Received: 21-JUL-17 Login No. : L413286
Date Analyzed: 25-JUL-17 - 27-JUL-17

Unless otherwise noted below, all quality control results associated with the samples were within established control limits or did not impact reported results.

Note: The findings recorded within this report were drawn from analysis of the sample(s) provided to the laboratory by the Client (or a third party acting at the Client's direction). The laboratory does not have control over the sampling process. The findings herein constitute no warranty of the samples' representativeness of any sampled environment and strictly relate to the samples as they were presented to the laboratory.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

Unless otherwise noted below, reported results have not been blank corrected for any field blank or method blank.

L413286 (Report ID: 1009499):
Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.
SOPs: MT-SOP-9(32), MT-SOP-5(22)
Level of quantitation varies with actual sample mass used for preparation.
Samples are digested and analyzed as received unless specified otherwise.

L413286 (Report ID: 1009499):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
Lead	+/-9.5%	96.4%

L413286 (Report ID: 1009217):
Reported results reflect elemental analysis of the requested metals. Certain

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms ppm -Parts per Million
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ND -Not Detected NA -Not Applicable

EXHIBIT C

LABORATORY FOOTNOTE REPORT

GALSON

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FAX: (315) 437-0571
www.galsonlabs.com

Client Name : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001

Date Sampled : 20-JUL-17 Account No.: 13497
Date Received: 21-JUL-17 Login No. : L413286
Date Analyzed: 25-JUL-17 - 27-JUL-17

L413286 (Report ID: 1009217):
compounds may not be solubilized during digestion, resulting in data that is biased low.
SOPs: MT-SOP-9(32), im-mwvleadwp(22)

L413286 (Report ID: 1009217):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
Lead	+/-22.4%	101%

EXHIBIT C

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms ppm -Parts per Million
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ND -Not Detected NA -Not Applicable

EXHIBIT C

L413 ~~380~~ GT L4132872 Counter top

SGS GALSON

787244958705
Date:07/21/17
Shipper:FEDEX
Initials:KMS
Prep:UNKNOWN

☐ New Client?

Report To*: Mike Przybylski / Kevin Losekamp / Ned Baker
Ensafe
525 Vine St ste1755
Cinti, OH 45202

Invoice To*: Ensafe

Client Account No.*:

Phone No.*: 513 621 7233
Cell No.:
Email Results To:
Email Address:

Phone No.:
Email:
Purchase Order No.:
Credit Card: ☐ Credit Card on File ☐ Call for Credit Card Info

☐ Samples submitted using the FreePumpLoan™ Program.
☐ Samples submitted using the FreeSamplingBadges™ Program.

Need Results By*:	(surcharge)
☒ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name: Olymbec Warehouse - Columbus, OH
Project: 0888821243-001
Sampled By: Ensafe

Comments:

List description of industry or process/interferences present in sampling area:

State samples were collected in (ex. NY): OH

Please indicate which OEL this data will be used for: ☐ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA ☐ MSHA ☐ Other (specify):

Sample Identification* (Maximum of 20 characters, ID's longer than 20 characters will be abbreviated.)	Date Sampled* (mm/dd/yy)	Collection Medium	Sample Volume, Sample Time, or Sample Area*	Sample Units*: L, ml, min., in2, cm2, ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (ex. welding, plating, painting, etc.)*
Example	01/01/11	2pc UW PVC	960	L	Hexavalent Chromium (Cr6)	mod. OSHA ID-215	Welding
17-0187591	7-20-17	wipe	100	cm2	Lead	SW846...	
90							
89							
88							
87							
86		Bulk	~	–			
85							
84							
83							
82							

^Galson Laboratories will substitute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☐ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ please indicate if the lower LOQ is required (only available for certain analytes see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)*:

Chain of Custody	Print Name/Signature	Date/Time		Print Name/Signature	Date/Time
Relinquished by:	MPrzybylski	7-20-17	Received by:	Kris Stone [signature]	7/21/17 11:34
Relinquished by:			Received by:		

Samples received after 3pm will be considered as next day's business.

*Required fields, failure to complete these fields may result in a delay in your samples being processed. Page 1 of 1

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Report To* : _____ Invoice To* : _____

Client Account No.* : See Pg 1 See Pg 1

Phone No.* : _____ Phone No. : _____

Cell No. : _____ Email : _____

Email Results To : _____ Purchase Order No. : _____

Email Address : _____ Credit Card : ☐ Credit Card on File ☐ Call for Credit Card Info

☐ Samples submitted using the FreePumpLoan™ Program. ☐ Samples submitted using the FreeSamplingBadges™ Program.

Need Results By*:	(surcharge)
☒ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : Project : Sampled By :

Comments:

List description of industry or process/interferences present in sampling area:

State samples were collected in (ex. NY):

Please indicate which OEL this data will be used for:
☐ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA
☐ MSHA ☐ Other (specify):

Sample Identification* (Maximum of 20 characters, ID's longer than 20 characters will be abbreviated.)	Date Sampled* (mm/dd/yy)	Collection Medium	Sample Volume, Sample Time, or Sample Area*	Sample Units*: L, ml, min., in2, cm2, ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (ex. welding, plating, painting, etc.)*
Example	01/01/11	2pc UW PVC	960	L	Hexavalent Chromium (Cr6)	mod. OSHA ID-215	Welding
17-0187581	7-20-17	wipe	100	cm2	Lead	SW846...	
80							
79							
78							
77							
76		Bulk					
75							
74							

^Galson Laboratories will substitute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☐ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ please indicate if the lower LOQ is required (only available for certain analytes see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)*:

Chain of Custody	Print Name/Signature	Date/Time		Print Name/Signature	Date/Time
Relinquished by :	M Brylski	7-20-17	Received by:	Kris Stone Kris Stone	7/21/17 11:34
Relinquished by :			Received by:		

Samples received after 3pm will be considered as next day's business.
*Required fields, failure to complete these fields may result in a delay in your samples being processed.

LAB ORIGINAL

EXHIBIT C

EXHIBIT C

Attachment 2

Driving Directions to Hospital

EXHIBIT C

bing maps

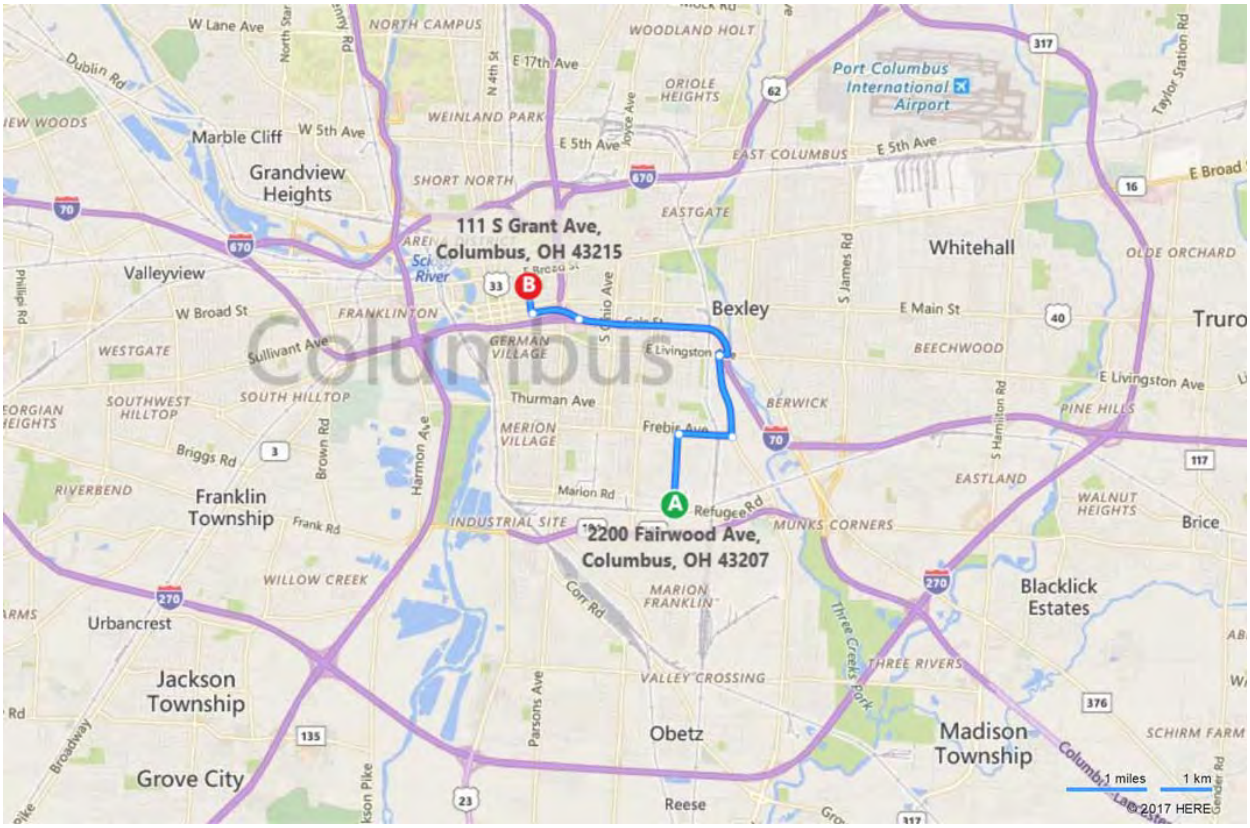
A 2200 Fairwood Ave, Columbus, OH 43207
B 111 S Grant Ave, Columbus, OH 43215

13 min, 5.8 mi
Light traffic (11 min without traffic)
Via Alum Creek Dr, I-70 W

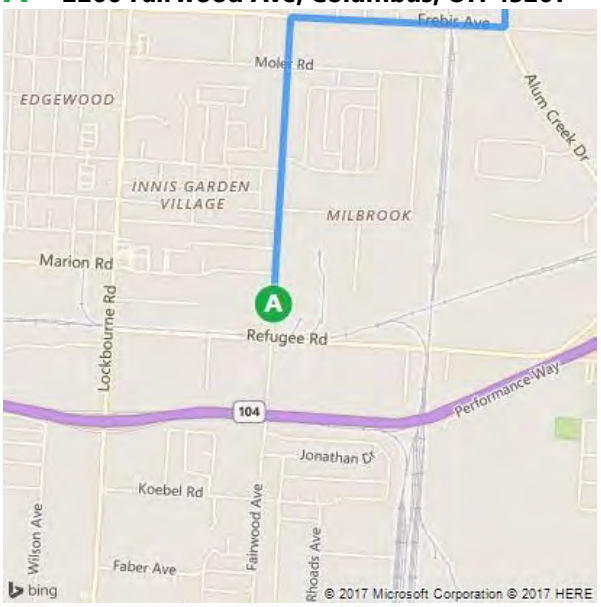
A 2200 Fairwood Ave, Columbus, OH 43207

↑	1.	Depart **Fairwood Ave** toward Marion Rd	0.9 mi
↱	2.	Turn **right** onto **Frebis Ave**	0.7 mi
↰	3.	Turn **left** onto **Alum Creek Dr**	1.0 mi
↱	4.	Turn **right** onto **US-33 / E Livingston Ave** Shell on the corner	0.1 mi
70	5.	Take ramp **left** and follow signs for **I-70 West** ▲ *Minor Congestion*	2.1 mi
↗	6.	At exit **101B**, take ramp **right** for **E Mound St** toward **Downtown**	0.6 mi
↱	7.	Turn **right** onto **S Grant Ave**	0.3 mi
	8.	Arrive at **S Grant Ave** The last intersection is Library Park S If you reach E State St, you've gone too far	

B 111 S Grant Ave, Columbus, OH 43215



A **2200 Fairwood Ave, Columbus, OH 43207**



B **111 S Grant Ave, Columbus, OH 43215**

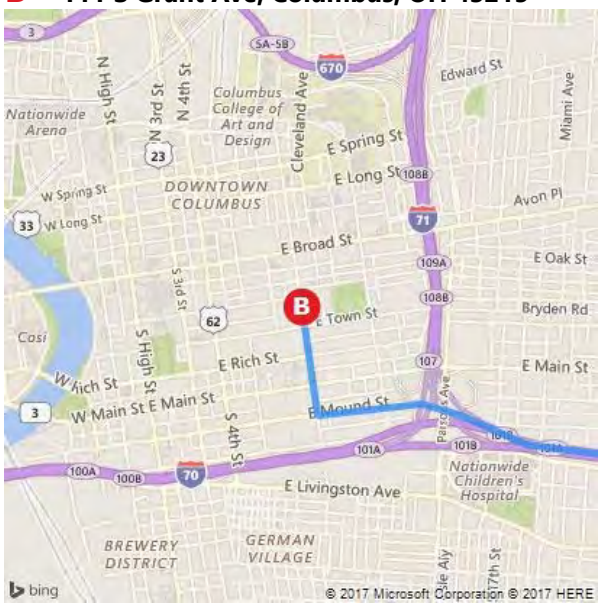


EXHIBIT C

Attachment 3

Plan Acknowledgement Forms

EXHIBIT C

PLAN ACKNOWLEDGEMENT FORM

INSTRUCTIONS: This form is to be completed by each person working on the project site and returned to the designated Olympec project manager.

Contractor: _____

Project Name: _____

Contract Number: _____

I have read and understand the contents of the above plan and agree to perform my work in accordance with it.

SIGNATURE	**PRINT NAME/COMPANY/DATE**

Additional Notes:

EXHIBIT D

EXHIBIT D


HF 49%
LOT # 030915-27-9
HYDROFLUORIC ACID 49%
RQ, UN1790, HYDROFLUORIC ACID, 8, (6.1), PGII
PG II
UN-1790
CORROSIVE
8
RQ 100 LBS
HEALTH 3* 3
FLAMMABILITY 0 0
REACTIVITY 1 1
PERSONAL PROTECTION
FOR INDUSTRIAL USE ONLY
READ THE MSDS BEFORE USING THIS PRODUCT!
ACID PRODUCTS CO. INC. / 600 WEST 41ST ST. CHICAGO IL 60609 / 773-245-5222
6

EXHIBIT D

EXHIBIT D

EXHIBIT D

EXHIBIT E

Date 08/16/2017 **Page** 1

Order # 2845527

Ordered on 07/24/2017 **Business Segment** IWS **Location** 2520 **Zone #**

Job Started 07/24/2017 **Account Rep** 252 Pete Orlando

Generator (519396) Closed Loop Refining and Recov **Epa Id** OHR000201145
2200 Fairwood
Columbus,OH 43207 **Fax #**

Onsite Contact Name Jenny Cupp **Phone #** (901) 398-2093

Billing (91729) Olymbec USA LLC

Contact Name Kevin Donovan **Phone #** (450) 227-6177

Sales Coordinator : Wendy Jenuwine **PO #** 214535

Customer Notes:

Detailed Job Description

PICKING UP OF DRUMS. SITE PROJECT MANAGER CONTACT: MIKE MONNIN 937-409-1517 OR JENNY CUPP 901-398-2093 OR CELL: 901-212-1466. PLEASE CALL CONTACT 1 HOUR PRIOR TO ARRIVAL TO LET HER KNOW YOU ARE ON YOUR WAY TO THE SITE. ***** STERICYCLE HAS AN AGENT FOR LETTER ON FILE SO DRIVER PLEASE SIGN MANIFEST FOR GENERATOR.THANK YOU.

Manifests 593955-17, 615032-17, 622847-17 **Scheduled:**

Line	Item	Description	Container	Shipping	Billing
0001	STAB11	865188-00 - HYDROFLOURIC ACID 49% (TQ#:Book)	6.00 DF	280.0000 G	280.0000 G
0002	STAB02	865198-00 - FILTER CAKE CONTAINING LEAD	7.00 DF	1500.0000 P	1500.0000 P
0003	LBMANGST	Labor: Transfer Solids into drums, mob/demob, PPE and	0.00	1.0000 0	1.0000 0
0004	LBLABRST	Labor, Additional transfer of Solids into drums >6	0.00	4.0000 0	4.0000 0
0005	TRLTLMN1	Transportation, less than load (LTL), Zone 1, minimum rate	0.00	1.0000 R	1.0000 R
0006	STAB11	865188-00 - HYDROFLOURIC ACID 49% (TQ#:Book)	1.00 DF	55.0000 G	55.0000 G
0007	REC27	867503-00 - RCRA EMPTY DRUMS LAST CONTAINING	2.00 DF	40.0000 P	40.0000 P
0008	STAB02	865198-00 - FILTER CAKE CONTAINING LEAD	1.00 DM	0.0000 P	0.0000 P
0009	STAB02	865198-00 - FILTER CAKE CONTAINING LEAD (TQ#:P)	1.00 DF	211.0000 P	211.0000 P

EXHIBIT E

Stericycle Environmental Solutions

Order # 2845527

DATE : 8/8/17 TIME IN : 10:45 TIME OUT : 11:15

DRIVER : Craig Godwin / Roger Sikes TRAILER# : _____

SUPPLIES DELIVERED : _____

NOTES : _____

GENERATOR SIGNATURE: _____

On Duty : _____ Off Duty : _____

Start Mileage : _____ End Mileage : _____

Load Start Time : _____ End Time : _____

Unload Start Time : _____ End Time : _____

Weight Gross : _____ Net : _____

MM0020401881

MM0020637211

END

** End Order 2845527 Form (pvQFormO) Printed 08/07/2017 at 15:43:43 by JENUWINW **

EXHIBIT E

Date 07/19/2017 Page 1

Stericycle Environmental Solutions

Order # 2845527

Ordered on 07/24/2017 **Business Segment** IWS **Location** 2520 **Zone #**

Job Started 07/24/2017 **Account Rep** 252 Pete Orlando

Generator (519396) Closed Loop Refining and Recov **Epa Id** OHR000201145
2200 Fairwood
Columbus,OH 43207 **Fax #**

Onsite Contact Name Jenny Cupp **Phone #** (901) 398-2093

Billing (91729) Olymbec USA LLC

Contact Name Tony Crowder **Phone #** (901) 834-9943

Sales Coordinator : Wendy Jenuwine **PO # 214535**

Customer Notes:

Detailed Job Description

PICKING UP OF DRUMS. SITE PROJECT MANAGER CONTACT: MIKE MONNIN 937-409-1517 OR JENNY CUPP 901-398-2093 OR CELL: 901-212-1466. PLEASE CALL CONTACT 1 HOUR PRIOR TO ARRIVAL TO LET HER KNOW YOU ARE ON YOUR WAY TO THE SITE. ***** STERICYCLE HAS AN AGENT FOR LETTER ON FILE SO DRIVER PLEASE SIGN MANIFEST FOR GENERATOR.THANK YOU.

Manifests 593955-17 **Scheduled:**

Line	Item	Description	Container	Shipping	Billing
0001	STAB11	865188-00 - HYDROFLOURIC ACID 49% (TQ#:Book)	7.00 DF	385.0000 G	385.0000 G
0002	STAB02	865198-00 - FILTER CAKE CONTAINING LEAD	3.00 DM	0.0000 P	0.0000 P
0003	LBMANGST	Labor: Transfer Solids into drums, mob/demob, PPE and	0.00	1.0000 0	1.0000 0
0004	LBLABRST	Labor, Additional transfer of Solids into drums >6	0.00	0.0000 0	0.0000 0
0005	TRLTLMN1	Transportation, less than load (LTL), Zone 1, minimum rate	0.00	1.0000 R	1.0000 R

DATE : 7/25/17 **TIME IN :** 1:00 **TIME OUT :** 2:45

DRIVER : Roger Silker **TRAILER# :** _____

SUPPLIES DELIVERED : 2 x 55 DF Open Top

NOTES : _____

GENERATOR SIGNATURE: _____

On Duty : _____ **Off Duty :** _____

Start Mileage : _____ **End Mileage :** _____

Load Start Time : _____ **End Time :** _____

Unload Start Time : _____ **End Time :** _____

Weight Gross : _____ **Net :** _____

MM0020401888

END

** End Order 2845527 Form (pvQFormO) Printed 07/19/2017 at 12:07:26 by JENUWINW **

EXHIBIT E

593955-17

2845527

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OHR000201145
2. Page 1 of: 1
3. Emergency Response Phone: (877) 577-2669
4. Manifest Tracking Number: 017482584 JJK

5. Generator's Name and Mailing Address
Closed Loop Refining and Recov ery, Inc.
2200 Fairwood
Columbus OH 43207
Generator's Phone: (514)793-2433

Generator's Site Address (if different than mailing address)
Closed Loop Refining and Recov
2200 Fairwood
Columbus OH 43207

6. Transporter 1 Company Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
U.S. EPA ID Number: MNS000110924

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
PETRO CHEM PROCESSING GROUP OF
421 Lycaste St.
DETROIT, MI 48214 (313) 824-5840
Facility's Phone:
U.S. EPA ID Number: MID980615298

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN1790 WASTE HYDROFLUORIC ACID 8 (6.1) PGII 'TOXIC' RQ(D002=100)	006	DF	0360	G	D002
RQ	2. NA3077 HAZARDOUS WASTE, SOLID, N.O.S. (LEAD) 9 PGIII RQ(D008=1 LBS)	007	DF ~~DM~~ RS 7/25	1500	P	D008
	3. ~~Non DOT, Non RCRA regulated material (Empty Drum~~ RS 07/25	~~002~~ RS 07/25	~~DF~~ RS 07/25	~~0040~~ RS 07/25	~~P~~ RS 07/25	~~None~~
X	4. UN1760 Corrosive Liquids, N.O.S. (RCRA Empty Containers last Containing Hydrofluoric Acid, Water) 8 PG III	002	DF	0040	P	None

14. Special Handling Instructions and Additional Information
(1) 865188-00 - ERG(157) HYDROFLOURIC ACID 49 (2) 865198-00 - ERG(171) FILTER CAKE CONTAINI 3 x 55 DF
6 x 55 DF
(3) 867503-00 ERG (154) 2x55 DF
Mat 530156

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. 0855R

Generator's/Offeror's Printed/Typed Name: Roger Sicker
Signature
Month 07 Day 25 Year 2017

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roger Sicker
Signature
Month 07 Day 25 Year 2017
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
U.S. EPA ID Number
18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month 7 Day 31 Year 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EXHIBIT E

Stericycle, Inc.

Waste Receipt Container Check-In : DET-0855R

Date : 08/07/2017
Time : 11:42:44

Date 07/31/2017 | Generator 519396 | Closed Loop Refining And Recov | SIC Code 423930 | Order 2845527
Govt No | Carrier STE106 | Stericycle Specialty Waste Solutions Inc | Benzene No
InBy | Bill To 91729 | Olymbec Usa Llc | Neshap No | Containers 15
Manifest 017482584JJK | Doc No. 593955-17 | CD Required None

Name M.C. | Date/Time Checked In 8-9-17 | Analyzed By

No.	PgL	Inter-Co #	Profile #	Waste Categories	Physical Description	Type	Quantity	U	IS	%Sol	Location	S/C
001	1		865188-00	STAB11	Hydroflouric Acid 49%	DF	55		0	0	167	
002	1		865188-00	STAB11	Hydroflouric Acid 49%	DF	55		0	0	168	
003	1		865188-00	STAB11	Hydroflouric Acid 49%	DF	55		0	0	169	
004	1		865188-00	STAB11	Hydroflouric Acid 49%	DF	55		0	0	160	
005	1		865188-00	STAB11	Hydroflouric Acid 49%	DF	55		0	0	148	
006	1		865188-00	STAB11	Hydroflouric Acid 49%	DF	55		0	0	177	
007	2		865198-00	STAB02	Filter Cake Containing Lead	DF	55		0	0	153	
008	2		865198-00	STAB02	Filter Cake Containing Lead	DF	55		0	0	250	
009	2		865198-00	STAB02	Filter Cake Containing Lead	DF	55		0	0	238	
010	2		865198-00	STAB02	Filter Cake Containing Lead	DF	55		0	0	196	
011	2		865198-00	STAB02	Filter Cake Containing Lead	DF	55		0	0	170	
012	2		865198-00	STAB02	Filter Cake Containing Lead	DF	55		0	0	185	
013	2		865198-00	STAB02	Filter Cake Containing Lead	DF	55		0	0	240	
014	4		867503-00	REC27	Rcra Empty Drums Last Containing Hydroflouric Acid	DF	55		0	0	21	
015	4		867503-00	REC27	Rcra Empty Drums Last Containing Hydroflouric Acid	DF	55		0	0	21	

** End Waste Receipt Container Check-In Form (pvWrcCif) Printed 08/07/2017 at 11:42:44 by SUTTONM

M.C. 8-9-17
E.T. Initials | Date

R.C. Initials | Date

EXHIBIT E

Operations Summary for Waste Receipt : DET-0855R

Sales Instructions Please do not invoice until final review of order is complete. A SF case will be submitted once ready for invoicing. Thank you.

Manifest Line	1 **Containers** 6
Profile/Status	865188-00 / Active
Waste Name	HYDROFLOURIC ACID 49%
DOT Proper Ship Name	WASTE HYDROFLUORIC ACID
Dangerous/Hazardous	Yes **Cercla** No
EPA Codes	D002
Waste Category	STAB11
Treatment Designation	DO NOT SAMPLE. CONTAINS HYDROFLUORIC ACID. <1% TOC, <10% SOLIDS/AQUEOUS MATRIX. NO DEBRIS
Outbound TSDF	STA101 - STABLEX CANADA INC.
Outbound Profile	22567-00 - (DET-STABLEX) ACIDS WITH FLUORIDE COMPOUNDS (HF)

Manifest Line	2 **Containers** 7
Profile/Status	865198-00 / Active
Waste Name	FILTER CAKE CONTAINING LEAD
DOT Proper Ship Name	HAZARDOUS WASTE, SOLID, N.O.S. (LEAD)
Dangerous/Hazardous	Yes **Cercla** No
EPA Codes	D008
Waste Category	STAB02
Treatment Designation	ALERT MM IF AQUEOUS/SUITABLE FOR WWT
Outbound TSDF	EQD100 - EQ DETROIT, INC.
Outbound Profile	B076122DET-00 - (DET-EQ) GENERIC METAL BEARING WASTE-LIQ/SOLID/SLUDGE

Manifest Line	4 **Containers** 2
Profile/Status	867503-00 / Active
Waste Name	RCRA EMPTY DRUMS LAST CONTAINING HYDROFL
DOT Proper Ship Name	CORROSIVE LIQUIDS, N.O.S. (RCRA EMPTY CONTAINERS LAST CONTAINING HYDROFLOURIC ACID, WATER)
Dangerous/Hazardous	No **Cercla** No
EPA Codes	
Waste Category	REC27
Treatment Designation	EMPTIES FOR RECYCLE
Outbound TSDF	MAX101 - Maxi Container, Inc.

EXHIBIT E

Analytical Sheet

Date: 08/11/17
Manifest#:
Trailer#: 530156
Waste Receipt#: 0855R
Page/Line#: P1 L2
Container#: 7-13
Process Code: STAB02

Drop Time:
Review By:
To/From Tank:
Generator: CLOSED LOOP REFINING & RECOVERY, INC.
Sampler: M.C.
Work Order#:
Gallons:

Analysis Required: (Please Check)

	Inbound		Outbound		Tank		Prequal		Other:

	RCRA Metals		SLC Metals		PCB's		Compatibility		Other:

Appearance: WHITE SOLID
Odor:

Parameter	Mass/Volume	Result	Repeat Mass/Vol	Repeat Result	Initials
BTU/lb					
Spike					
% Chloride					
Chloride Calculation=3.55 * dil * [Vol $AgNO_3$ (mL) – Blank (mL)] * 0.1/sample wt.					
%Water:					
pH:(50:50 Dilution w/H20 Yes or No)		7.44			3BJ
Specific Gravity(g/mL):		Wt/Gallon	Density * 8.33		
Compatibility:	H2O	MeoH	Chemfuel		
	Yes or No	Yes or No	Yes or No		
Layers:		1			3BJ
PCB'S (ppm):					
%Solids:					
Flash Point/Duplicate:			Boiling Point/Dup:		
% Benzene:					
% Acidity			% Alkalinity		
Isocyanate	Pos. or Neg.		Oxidizer	Pos. or Neg.	
Sulfide	Pos. or Neg.		Cyanide	Pos. or Neg.	

Comments:

EXHIBIT E

Stericycle Environmental Solutions

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Closed Loop Refining and Recov Generator EPA ID Number: OHR000201145

Manifest Number: 017482584JJK

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7. I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268.

Line 1 Profile: 865188-00 Treatability Group: Non-WasteWater UHC's: N Class Group: A

Waste Codes

D002 - Corrosive managed in a NONCWA system

Line 2 Profile: 865198-00 Treatability Group: Non-WasteWater UHC's: Y Class Group: A

Waste Codes

D008 - LEAD

Underlying Hazardous Constituents

LEAD

Line 4 Profile: 867503-00

Waste Codes: N/A

Underlying Hazardous constituents: N/A

See back for descriptions of classification groups and classification group certification statement.
I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: _____ Title: ES III Date: 7/25/17

Rev. 12/14

EXHIBIT E

622847-17

2845527

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OHR000201145

2. Page 1 of: 1

3. Emergency Response Phone: (877) 577-2669

4. Manifest Tracking Number: 017482716 JJK

5. Generator's Name and Mailing Address
Closed Loop Refining and Recov ery, Inc.
2200 Fairwood
Columbus OH 43207
Generator's Phone: (514)793-2433

Generator's Site Address (if different than mailing address)
Closed Loop Refining and Recov
2200 Fairwood
Columbus OH 43207

6. Transporter 1 Company Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
U.S. EPA ID Number: MNS000110924

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
PETRO CHEM PROCESSING GROUP OF
421 Lycaste St.
Facility's Phone: DETROIT, MI 48214 (313) 824-5840
U.S. EPA ID Number: MID980615298

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. NA3077 HAZARDOUS WASTE, SOLID, N.O.S. (LEAD) 9 PGIII RQ(D008=10 LBS) (1)	001	DF	0211	P	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) 865198-00 - ERG(171) FILTER CAKE CONTAINI (1x55)
530165

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.
18582

Generator's/Offeror's Printed/Typed Name: Craig Godman
Signature:
Month Day Year: 08 08 2017

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Craig Godman
Signature:
Month Day Year: 08 08 2017
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: T. McCallum
Signature:
Month Day Year: 8 14 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EXHIBIT E

Stericycle, Inc.

Waste Receipt Container Check-In : DET-1852R

Date : 08/11/2017
Time : 11:14:31

Date 08/14/2017 | Generator 519396 | Closed Loop Refining And Recov | SIC Code 423930 | Order 2845527
Govt No | Carrier STE106 | Stericycle Specialty Waste Solutions Inc | Benzene No
InBy | Bill To 91729 | Olymbec Usa Llc | Neshap No | Containers 1
Manifest 017482716JJK | Doc No. 622847-17 | CD Required None

Name Jimmie Rogers Jr | Date/Time Checked In 8-21-17 | Analyzed By

No.	PgL	Inter-Co #	Profile #	Waste Categories	Physical Description	Type	Quantity	U	IS	%Sol	Location	S/C
001	1		865198-00	STAB02	Filter Cake Containing Lead	DF	55		0	0	215	

** End Waste Receipt Container Check-In Form (pvWrcCif) Printed 08/11/2017 at 11:14:31 by TWANDAM

JK — E.T. Initials | 8-21-17 — Date | R.C. Initials | Date

EXHIBIT E

Operations Summary for Waste Receipt : DET-1852R

Sales Instructions Please do not invoice until final review of order is complete. A SF case will be submitted once ready for invoicing. Thank you.

Manifest Line	1 **Containers** 1
Profile/Status	865198-00 / Active
Waste Name	FILTER CAKE CONTAINING LEAD
DOT Proper Ship Name	HAZARDOUS WASTE, SOLID, N.O.S.
Dangerous/Hazardous	Yes **Cercla** No
EPA Codes	D008
Waste Category	STAB02
Treatment Designation	ALERT MM IF AQUEOUS/SUITABLE FOR WWT
Outbound TSDF	EQD100 - EQ DETROIT, INC.
Outbound Profile	B076122DET-00 - (DET-EQ) GENERIC METAL BEARING WASTE-LIQ/SOLID/SLUDGE

EXHIBIT E

Analytical Sheet

Date: 08.23.17
Manifest#:
Trailer#: 530165
Waste Receipt#: 1852R
Page/Line#: P1 L1
Container#: 1
Process Code: STAB 01

Drop Time:
Review By:
To/From Tank:
Generator: CLOSED LOOP REFINING & RECOVERY, INC.
Sampler: J.R.
Work Order#:
Gallons:

Analysis Required: (Please Check)

	Inbound		Outbound		Tank		Prequal		Other:

	RCRA Metals		SLC Metals		PCB's		Compatibility		Other:

Appearance: BROWN SOLID
Odor:

Parameter	Mass/Volume	Result	Repeat Mass/Vol	Repeat Result	Initials
BTU/lb					
Spike					
% Chloride					
Chloride Calculation=3.55 * dil * [Vol $AgNO_3$ (mL) – Blank (mL)] * 0.1/sample wt.					
%Water:					
pH:(50:50 Dilution w/H20 Yes or No)		6.23			3B
Specific Gravity(g/mL):		Wt/Gallon	Density * 8.33		
Compatibility:	H2O	MeoH	Chemfuel		
	~~Yes~~ or No	Yes or No	Yes or No		
Layers:		3			3B
PCB'S (ppm):					
%Solids:					
Flash Point/Duplicate:			Boiling Point/Dup:		
% Benzene:					
% Acidity			% Alkalinity		
Isocyanate	Pos. or Neg.		Oxidizer	Pos. or Neg.	
Sulfide	Pos. or Neg.		Cyanide	Pos. or Neg.	

Comments:

EXHIBIT E

622847 17 2845527

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Manifest Tracking Number
	OHR000201145		(877) 577-2663	017482716 JJK

GENERATOR

5. Generator's Name and Mailing Address
Closed Loop Refining and Recovery, Inc.
2200 Fairwood
Columbus OH 43207
Generator's Phone: (614) 793-7411

Generator's Site Address (if different than mailing address)
Closed Loop Refining and Recov
2200 Fairwood
Columbus OH 43207

6. Transporter 1 Company Name
STERICYCLE SPECIALTY WASTE SOLUTIONS INC
U.S. EPA ID Number
MNS000110926

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
PETRO CHEM PROCESSING GROUP 02
421 Lycaste St.
Facility's Phone: DETROIT, MI 48214 (313) 824-5840
U.S. EPA ID Number
MIED986615293

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. NA3077 HAZARDOUS WASTE, SOLID, N.O.S. (LEAD) 9 PGIII RQ(0003-10 LBS)	001	DF	00011	P	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) 865198-00 ERG(171) FILTER CAKE CONTAINI(1855)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Craig Godman | Signature | Month: 08 | Day: 08 | Year: 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Craig Godman | Signature | Month: 08 | Day: 08 | Year: 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month: 08 | Day: 11 | Year: 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **GENERATOR'S INITIAL COPY**

EXHIBIT E

Stericycle Environmental Solutions

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Closed Loop Refining and Recov Generator EPA ID Number: OHR000201145

Manifest Number: 017482716JJK

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7. I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268.

Line 1 Profile: 865198-00 Treatability Group: Non-WasteWater UHC's: Y Class Group: A

Waste Codes

D008 - LEAD

Underlying Hazardous Constituents

LEAD

See back for descriptions of classification groups and classification group certification statement.
I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: _____ Title: Field Tech Date: 8/8/17

Rev. 12/14

EXHIBIT E

Project Reporting Log

Date:	**07/24/2019**	**SWS Environmental Service Rep**	**Bobby Bourne III**
Client:	**Stericycle**	**Rep**	**Wendy Jenuwine**
SWS Environmental Services Job #:	**FN3-707-1324**	**Client PO:**	**2845527**
Job Location:	**Columbus, OH**		
GPS Coordinates:		**Latitude:**	
Phone Number:		**Fax Number:**	

The following is a summary of the actions taken by SWS Environmental Services concerning the above incident:

07:00		B. Bourne (BB), E. Ridinger (ER) and L. Scott (LS) at shop. Load equipment into pickup 3294, pre-trip 4546 and prepare to mobe to site.
07:45		Mobe to site.
10:00		Onsite, meet with representative from plant. No Stericycle contact on site. Look at the job and we have 2 vats one with a 1' or 2' of liquid and a vat with about ½" of solids. Also, a 300-gallon tote ¾ full of solids to drum.
10:10		Stage stake bed truck at loading dock to unload and conducted safety meeting as well.
10:25		Begin setting up to begin vacuuming out liquids and drumming solids.
11:00		BB and LS begin suiting up to pump HF liquids from vat into closed top poly drums using small air compressor and diaphragm pump.
12:45		About 100 gallons pumped from vat into open top drums. Tote is half full and about 1' to 2' of sludge in vat containing the liquid. Note: We do not have enough drums or air to complete job.
12:55		BB and LS take a break. Looking up somewhere to buy a sawzall to cut tote down to make it easier. Going to leave sludge alone and hope it hardens by next time we come back.
13:00		Take a heat stress break. Also 2nd vat had less than 1" of solids, we scrapped and shoveled that out and drummed it. Called T. Pessefall (TP) SWS Service Center Manger about getting a sawzall to cut the tote in half. R. Bourne ok to purchase sawzall.
13:45		BB back to site. Get suited up to cut tote in half and shovel out solids into drums. Work on as much as we can with air we have left in bottles. Spoke with Pete with Stericycle and everything is good if we don't finish today. Will be back tomorrow to finish up.
15:30		Tote empty, 3 drums of solids from tote. Spoke with RB due to the heat, lack of air in bottles and having another 5 hours or so on site we have agreed to be back on 07/25/2017 at approximately 8:00 a.m. to complete job. This will consist of shoveling out sludge from vat as well as cleanup of area. So, the crew will cleanup and secure site for the night and return the following day to complete job.
16:20		Demobe to site.
18:30		At shop and unloaded tools and equipment. Finalize paperwork and load O2 bottles when LS gets to shop.
19:00		BB and ER off clock.
19:30		LS off clock.

EXHIBIT E

Project Reporting Log

Date:	**07/25/2019**	**SWS Environmental Service Rep**	**Bobby Bourne III**
Client:	**Stericycle**	**Rep**	**Wendy Jenuwine**
SWS Environmental Services Job #:	**FN3-707-1324**	**Client PO:**	**2845527**
Job Location:	**Columbus, OH**		
GPS Coordinates:		**Latitude:**	
Phone Number:		**Fax Number:**	

The following is a summary of the actions taken by SWS Environmental Services concerning the above incident:

07:00		B. Bourne (BB), L. Scott (LS), E. Ridinger (ER) at shop. Pre-trip vehicles and load tools and equipment.
07:30		Mobe to site with 3294 and 4546
09:30		On site and conducted safety meeting.
10:00		Setup airline and go over the plan of action to get the job done.
10:20		BR and LS suiting up to shovel out vat.
10:40		Begin shoveling out vat into poly drums.
11:40		Solids removed; about 20 gallons of soupy product left, we dumped a bag of biosorb in it to solidify it. Taking a break and let it react. Stericycle on site to get drums when we are complete.
12:15		Suit up., ER and LS to shovel reminder of vat.
12:35		LS and ER begin to shove vat out.
13:15		Vat shoveled out and drummed. Cleanup work area the best we can. Load tools and equipment into pickup truck 3294 and 4546A. Bag anything that many be contaminated to be washed.
13:45		The last drum we filled still reacting so we vented it and Stericycle will have to return to retrieve it. We leaving it open to finish reacting.
14:45		Demobe to shop.
15:00		Spoke with Bob about with an update.
17:30		At shop, unload pickup truck 3294 and finalize paperwork.
18:30		Off Clock.

Appendix C
2019 DEC Enviro Inventory Assessment and Remedial Cost Estimate

INVENTORY ASSESSMENT
AND REMEDIAL COST ESTIMATE

CLOSED LOOP FACILITY
2200 FAIRWOOD AVENUE, COLUMBUS, OHIO

DEC ENVIRO
WWW.DECENVIRO.COM

INVENTORY ASSESSMENT
AND REMEDIAL COST ESTIMATE

CLOSED LOOP FACILITY
2200 FAIRWOOD AVENUE, COLUMBUS, OHIO

O/REF.: 18 3490.O.INV

Prepared for:

GLANKLER BROWN, PLLC
6000 Poplar Avenue - Suite 400
Memphis, Tennessee
38119

February 2019

149 B, rue Principale, Saint-Sauveur, QC J0R 1R6 355, rue Isabey, Saint-Laurent, QC H4T 1Y2
T 450.227.6177 | T 514.587.6177 | F 450.227.5377 | info@decenviro.com

February 18th, 2019

Mr. Randall B. Womack
GLANKLER BROWN, PLLC
6000 Poplar Avenue - Suite 400
Memphis, Tennessee
38119

O/REF.: 18 3490.O.INV
OBJECT : INVENTORY ASSESSMENT & REMEDIAL COST ESTIMATE
CLOSED LOOP FACILITY: 2200, FAIRWOOD AVE. IN COLUMBUS, OHIO

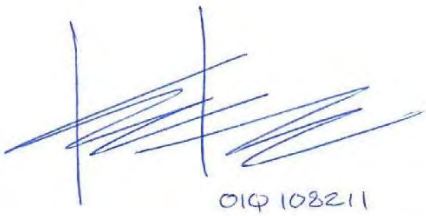
Mr. Womack,

As per your request, DEC ENVIRO INC. prepared the present report on inventory assessment and remediation cost estimates for the removal of the cathode ray tubes ("CRTs"), CRT glass and other e-waste abandoned in the above-mentioned property and necessary remediation activities following the removal action.

We thank you for giving us the opportunity to serve you and hope to assist you in future collaborations.

Trusting everything is to your complete satisfaction, we remain yours truly.

DEC ENVIRO INC.



Kevin Donovan, P. Eng.

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1.0 EXECUTIVE SUMMARY

DEC Enviro Inc. (DEC) was retained by Glankler Brown, PLLC and Olymbec USA LLC ("Olymbec") 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 2200 Fairwood Avenue in Columbus, Ohio.

As a part of the environmental consulting services, DEC was directed to assess and estimate the nature and quantity of e-waste present at the Closed Loop tenant space in order to:

- Identify and screen hazardous e-waste recycling and abatement contractors for the removal and disposal of the cathode ray tubes ("CRTs"), CRT glass and other e-waste abandoned in the Closed Loop Facility; and,

- Provide an estimate of costs for the removal action and the necessary remediation of the Closed Loop tenant space

Both, in accordance with reasonably foreseeable Resource Conservation and Recovery Act (RCRA) closure standards and in a manner also consistent with the National Contingency Plan (NCP) in 40 C.F.R. Part 300.

1.1 Background

In December of 2013, Olymbec USA LLC ("Olymbec") acquired title to the property located at 2200 Fairwood Avenue in Columbus, Ohio (the "Property") (See Appendix I). The Property, consisting of approximately 14.5 acres, includes a warehouse structure consisting of approximately 257,767 square feet. A photographic compendium of the Property, including portions of the Closed Loop tenant space, is found in Appendix II.

In December of 2014, Olymbec leased 130,652 square feet of the warehouse facility (approximately fifty percent (50%) of the warehouse structure) to Closed Loop. The area of the warehouse structure leased to Closed Loop will be referred to hereafter as the "Closed Loop Facility" or the "Facility." The lease provided that the business to be conducted with the Facility would be "a general office, warehouse, manufacturing for asset management, and distribution for a cathode ray tube recycling company and for no other purpose".

A cathode ray tube ("CRT") is the glass video component of an electronic device (usually a television or computer monitor). CRTs are high vacuum tubes in which cathode rays produce a luminous image on a fluorescent screen. CRTs (particularly CRT "funnel" glass) typically contain lead in amounts that exceed regulatory thresholds for hazardous waste under federal and state environmental laws.

CRTs and CRT glass were once easily recycled into new CRTs. But the demand for CRTs has collapsed, in large part, as a result of flat panel technology.

In March or April of 2016, Closed Loop ceased operations at the Facility leaving the warehouse full of e-waste, largely consisting of CRTs and CRT glass. It also appears that Closed Loop's e-waste recycling operations did not have dust control systems in place. Lead contaminated dust has been dispersed throughout the Facility.

Olymbec, in cooperation with Garrison Southfield Park LLC (which owns two (2) nearby warehouse properties also leased by Closed Loop and used in Closed Loop's operations), has been cooperating with the Ohio EPA and the Ohio Attorney General's Office on efforts to address the abandoned CRTs and other e-waste at the Closed Loop facilities in Ohio.

In the interim, access to the Facility currently requires authorization by Olymbec. Personnel entering into the Facility are required to wear Personal Protective Equipment (PPE) and to comply with a health and safety plan prepared by EnSafe Inc.

1.2 Nature and Quantity of E-Waste

Based on site inspections and a review of available records, Closed Loop abandoned approximately 31,000,000 pounds (lbs.) (i.e., 15,500 tons) of e-waste at the Facility (see Tables 1 and 2). The e-waste includes intact CRTs, crushed CRTs, "processed" (or crushed) CRT glass, projector lenses and other miscellaneous e-waste.

The predominant e-waste present at the Facility consists of intact CRTs. There is also a substantial amount of "processed" or crushed CRT glass, which must be disposed of as either a hazardous waste (as a result of lead content) in a RCRA Subtitle C landfill or as a non-hazardous waste (after being subject to a lead pre-treatment process) in a RCRA Subtitle D landfill. As an alternative, lead smelting/recycling of the CRT glass may be an option and would materially decrease the volume of materials subject to any pre-treatment and disposal.

1.3 Hazardous Waste Removal and Remediation Contractors

1.3.1 E-waste removal

Olymbec has engaged in discussions with a number of contractors who were viewed as potential contractors for the removal of CRTs, CRT glass and other e-waste from the Facility. Two (2) CRT recyclers have provided proposals or estimates for the cost of the removal of e-waste from the Facility.

1.3.2 Lead dust remediation contractors

Several remediation contractors were contacted to solicit proposals or estimates for a lead dust abatement action inside the Facility following the removal of the e-waste. Four (4) remediation contractors provided proposals or estimates. These contractors included:

- Precision Environmental Co.;
- Environmental Management Specialists Inc.;
- Pegex; and,
- Aztec Services Group Inc.

Each remediation contractor was deemed capable of performing the abatement services.

1.4 Total Projected Removal and Remediation Costs

Based on available information and as discussed further below, the total cost for the removal of CRTs, CRT glass and other e-waste is estimated to be $4,054,334.29. Removal and remediation costs may vary depending upon material quantities, transportation fuel costs, and the availability of previously identified landfills, lead smelters, or other disposal/recycling outlets to accept the high volumes of e-waste at the time the removal and remediation actions commence. Costs may also increase depending upon the extent of the Ohio EPA's oversight over closure activities and the extent to which the NCP is applicable to removal/remediation activities. However, the most significant cost to restore the Facility to the condition it was in at the commencement of Closed Loop operations will be the removal of the CRTs, CRT glass and other e-waste and the abatement of lead dust in the Facility.

2.0 INTRODUCTION

DEC has been providing environmental consulting services in connection with abandoned e-waste in the former Closed Loop tenant space located at 2200 Fairwood Avenue in Columbus, Ohio.

DEC is a multidisciplinary firm specialized in environmental engineering, geotechnical studies, material engineering, hydrogeology and building science. Founded in 1998 and at the service of cities and municipalities, real-estate promoters, industries and other engineering and architect firms in the Greater Montreal area and internationally, DEC distinguishes itself due to its irreproachable know-how and its team of highly-qualified professionals made up of civil engineers, geological engineers, geologists, environmental engineers, hydrogeologists, biologists and technologists. In the field of environmental engineering, DEC's project experience includes various forms of environmental site assessments (Phase I, Phase II, etc.), environmental due diligence, environmental site rehabilitation or remediation, waste characterization, waste management and environmental compliance assessments.

Mr. Kevin Donovan, professional environmental engineer, serves as DEC's team leader for the Closed Loop project. Mr. Donovan has over 25 years of experience in environmental consulting. He is the president and founder of DEC and has expertise in conducting site assessments, contamination rehabilitation and remediation, waste characterisation, waste disposal oversight and achieving site compliance

Appendix III contains information regarding DEC's qualifications and professional environmental consulting experience and a curriculum for Kevin Donovan.

2.1 Closed Loop Project Summary

The Closed Loop Facility consists of 130,652 square feet of the warehouse facility located on the Property.

The lease agreement in place between Olymbec and Closed Loop provided that the business to be conducted with the Facility would be "a general office, warehouse, manufacturing for asset management, and distribution for a cathode ray tube recycling company and for no other purpose." Closed Loop operations, in general, appear to have consisted of the acceptance of CRTs, projection units or lens, and other e-waste for disassembly and recycling. However, it does not appear that Closed Loop conducted disassembly operations within the Facility.

In the spring of 2016, Closed Loop abandoned the Facility, leaving unprocessed or partially processed e-waste. The Facility is approximately 80% 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 operations conducted by Closed Loop in the Facility have resulted in the release and threatened release of lead-contaminated dust throughout the Facility.

Photographs that depict the extent to which Closed Loop abandoned e-waste and other conditions, including releases and threatened releases at the Facility are presented in Appendix II.

The tasks performed prior to the preparation this report consisted of the following:

- The review of available records associated with Closed Loop operations at the Facility, including shipping and receiving records and other documents;
- The performing of numerous on-site inspections to identify the types and condition of the e-waste at the Facility. On one of these occasions, DEC personnel conducted an in-depth inventory of the e-waste and other materials located at the Facility;
- The identification of potential e-waste recycling contractors capable to perform the removal of e-waste from the Facility for proper off-site recycling and/or disposal;
- Potential environmental remediation contractors capable to conduct lead dust abatement within the Facility following the removal of the stockpiled e-waste and other materials were identified and contacted; and,
- The compilation of an estimate of costs for the removal and remediation of the Facility in accordance with reasonably foreseeable RCRA closure standards.

3.0 SITE INSPECTIONS / E-WASTE EVALUATION AND INVENTORY

DEC completed inspections of the Facility on April 8th, 2016, June 27th 2016, June 12th 2017, January 9th 2018, January 11th, 2018, April 3rd and 4th, 2018, September 26th, 2018, April 23rd and 24th 2018. The purposes of the inspections included accompanying visits by other persons, assessing conditions at the Facility, and conducting an inventory of the amount and type of e-waste and other materials abandoned at the Facility.

The inspections and other visits to the Facility on April 3rd, 4th and September 26th, 2018 were performed by Mr. Kevin Donovan.

An in-depth inventory of e-waste at the Facility was conducted by Miss Fallon Arcand Laliberté, P. Engineer for DEC, and Mr. Yann David, technician for DEC, on April 23rd and 24th of 2018.

There were conditions and other factors that limited the effort to complete the inventory. A thorough examination of each individual cardboard gaylord container was not possible as the units were stacked, and, in many instances, stacked erratically. 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 the gaylords were deteriorated or otherwise were in bad shape, which may have been a function of Closed Loop's practice to repurpose the same boxes used to transport intact CRTs to the Facility as opposed to purchasing new and more durable containers. Gaylords are typically situated on a standard wood pallet, with the gaylords containing intact CRTs stacked two or three high throughout the majority of the Facility.

So much of the space in the Facility has been used to accommodate the storage of gaylord containers that access to gaylord containers throughout much of the Facility is impeded.

Based on DEC's inspections and inventory assessment, the Facility was predominately used to stockpile intact CRT tubes. A substantial portion of the remainder of the inventory consists of "processed" or crushed CRT glass. Gaylord containers or other containers of intact CRT tubes were stockpiled in the outer areas of the Facility.

In the northern area of the Facility is an office. Within that office, a very limited number of Closed Loop business records were discovered and retrieved. Among the records were bills of lading, shipment inventories and other documents.

DEC was able to categorize the e-waste as follows:

1. CRT whole tubes (tubes only) in cardboard gaylord containers on wood pallets;
2. CRT crushed glass in cardboard gaylords containers on wood pallets;
3. Crushed CRTs (bagged) on wood pallets; and
4. Other electronic materials (e.g. projector lamps or lenses).

To establish average weights for each unit (e-waste) type, DEC selected as many representative containers of each unit type as possible. The container weight, as indicated on the identification tag of the gaylord, was noted. The individual weights were then used to calculate an average weight for each unit waste type. DEC also considered container weights developed by Atwell for the Garrison Southfield properties and the average weight of gaylords of "processed" or crushed glass provided by a CRT recycler, Kuusakoski Inc. The weight per container used by DEC in preparing the inventory assessment is listed below:

CRT whole tubes (tubes only) in gaylords:	1,334 lbs.
CRT crushed glass in gaylords:	3,400 lbs.
Crushed CRTs (bagged):	1,849 lbs.

Once the average weights were determined, DEC counted the approximate number of gaylords, per type, in the Facility. The Facility is subdivided into 72 bays (bays A1 to F12). As such, the number of gaylords in each bay was counted by establishing the number of gaylords per row, the number of rows and the number of gaylords stacked vertically. The approximate number of each type of e-waste was also established for each bay.

Once the total number of unit containers was evaluated, DEC utilised the average weights to calculate the total quantity of each waste type in the Facility.

Table 1 summarizes the results of the inventory conducted by DEC in April 2018.[1]

TABLE 1: DEC INVENTORY OF CRTS, CRT GLASS AND OTHER E-WASTE AT CLOSED LOOP FACILITY

Description	Number of Containers	Weight (lbs.)
CRT tubes	16,939	22,604,650
Crushed Glass (mixed)	2,173	7,388,200
Crushed CRTs/CRT Components	500	924,267
Other	2	N/A
Total	**19,614**	**30,917,116**

[1] A chart summarizing the results of the inventory assessment by bay is found in Appendix IV.

4.0 E-WASTE REMOVAL

DEC has identified and evaluated various scopes of work for removing the e-waste from the Facility. In addition, a number of potential e-waste contractors were identified in an effort to develop reasonable and competitive cost estimates. It appears that the e-waste recycling industry is comprised of a limited number of firms that have the ability to handle significant quantities of e-waste.

In selecting the removal contractor, a number of factors need to be considered such as the location of the contractor's facility, regulatory compliance history, the scope of work, the contractor's experience, anticipated schedule for the work, and the ultimate disposal location or other end use.

One challenge in environmental response activities associated with the e-waste is the fact that the "processed" or crushed CRT glass consists of both "leaded" glass and "clean" glass (which contains no lead). That mixing of glass has resulted in limiting the options for the disposal and/or recycling of the glass. As an example, in a report prepared by Atwell on the Garrison Southfield properties, one recycler, Novotec, advised that Camacho would not be interested in receiving the mixed, crushed CRT glass. DEC understands that Camacho, a firm operating in Spain, at the time was "processing" "leaded" glass for use in the manufacturing of floor tiles.

One of the potential removal contractors identified is Kuusakoski. Kuusaksoki is significant participant in the e-waste recycling industry. As a result of the investigation of the inventory of e-waste and other materials at the Facility, it appears that Kuusakoski (or other entities associated with Kuusakoski (such as Vintage Tech) account for as much as 40% of the inventory of CRTs, CRT glass and other e-waste abandoned at the Closed Loop facilities in Ohio, including the Facility.

As previously noted, representatives of Kuusakoski conducted an inspection of the Facility on April 3rd, 2018. Kuusakoski was asked to provide an estimate of the cost of conducting a removal action associated with the e-waste abandoned at the Facility. Table 2 outlines the cost estimate provided by Kuusakoski.

TABLE 2: KUUSAKOSKI COST ESTIMATE FOR REMOVAL OF E-WASTE FROM CLOSED LOOP FACILITY

Description	Weight (lbs.)	Price ($/lbs.)	Estimated Cost
"Unprocessed" CRT Units	18,100,000	$0.1215	$2,198,245
Projector Lamps	40,000	$0.1409	$5,635
"Mixed" Glass	13,800,000	$0.0827	$1,141,260
Total	**31,940,000**		**$3,345,140**

Olymbec also obtained a cost estimate from MAX Environmental. Founded in 1957, MAX Environmental is a fully integrated environmental treatment and disposal company that provides hazardous and non-hazardous waste transportation, processing and disposal for the manufacturing, energy, and infrastructure markets. MAX Environmental operates a waste treatment and disposal facility in Yukon, Pennsylvania. It is reportedly the only facility in Pennsylvania that offers RCRA Subtitle C permitted waste treatment and on-site commercial disposal of residual waste. The facility's residual waste landfill is apparently permitted to accept a wide range of materials from energy, construction, and manufacturing industries, as well as from metal contaminated waste site cleanups.

MAX Environmental has experience in the treatment and disposal of CRTs and CRT glass. MAX Environmental has reportedly managed the transportation, treatment and secure disposal of over 100 million pounds of CRT glass. MAX Environmental also operates one of the three (3) landfills that Novotec (Atwell's recommended contractor for the Garrison Southfield properties) proposed as a disposal site for crushed glass to be removed from the Garrison Southfield properties.

Representatives of MAX Environmental inspected the Facility in August of 2018. Following that inspection, a cost estimate was provided by MAX Environmental. That cost estimate also included an estimated inventory of e-waste (32,000,000 to 33,000,000 lbs.). Table 3 presents the cost estimate provided by MAX Environmental (assuming there are 33,000,000 lbs of e-waste).

TABLE 3 : MAX ENVIRONMENTAL COST ESTIMATE OF THE REMOVAL OF CRTS/CRT GLASS/OTHER E-WASTE AT THE CLOSED LOOP FACILITY

Description	Total Weight (lbs.)	Total Cost Per Material[2]
Whole CRT Tubes	26,400,000	$2,574,000
Crushed CRT Glass	6,600,000	$574,200
Total	**33,000,000**	**$3,148,200**

Table 4 presents a cost estimate developed by DEC for the removal of CRT and CRT glass abandoned at the Facility. The cost estimate was developed by applying the per pound/per unit cost estimates provided by Kuusakoski to the e-waste material quantities as determined by DEC as a result of its inventory assessment. DEC utilized the per pound/per unit cost estimates provided by Kuusakoski primarily because of Kuusakoski's extensive experience in the recycling of e-waste, including CRTs. In addition, there were some elements of MAX Environmental's scope of work that remain to be developed.

[2] MAX Environmental did not provide the per pound cost of the CRT/CRT glass removal work, but one can determine the per pound cost by dividing the total cost for each type of material by the total weight of that material. Thus, for the whole CRT tubes, the cost per pound is $0.10. For the crushed CRT glass, the cost per pound is $0.09.

TABLE 4 : PROJECTED COST OF THE REMOVAL OF CRTS/CRT GLASS/OTHER E-WASTE AT CLOSED LOOP FACILITY

Description	Price (per Pound)		Total Weight (lbs.)	Total
CRT Screens/Tubes	$0.1215		22,604,650	$2,746,464.98
"Processed" (Mixed) CRT Glass	$0.0827		8,312,467	$687,441.02
Projector Lamps	$0.1409		40,000	$5,636.00
Total			**30,957,117**	**$3,439,542.00**

As previously pointed out, Atwell prepared a report (entitled "Evaluation of E-Waste Inventories and Remediation/Closure Options for 1655 and 1675 Watkins Road, Columbus, Ohio" dated May 4th, 2017) for the Garrison Southfield properties that were leased and occupied by Closed Loop. In this report, Atwell identifies Novotec as the "preferred" removal contractor.

The total estimated cost identified in the Atwell report is $12,476,611 for Novotec's removal of 128,200,000 pounds of e-waste ($0.10 per pound). The projected cost of the removal of 31,957,117 lbs. of e-waste from the Closed Loop Facility is $3,439,542 ($0.11 per pound), and, thus, on a per pound basis, is comparable to the per pound cost incorporated in Novotec's cost estimate for the Garrison Southfield properties.

5.0 LEAD DUST ABATEMENT

Based on DEC's inspection activities and the assessment activities of EnSafe Inc. (EnSafe), it appears that the CRT glass operations conducted by Closed Loop at the Facility did not include a dust control system. The result is that a dust residue appears throughout the Facility. Assessment activities were conducted by EnSafe in July of 2017 (See Appendix V- Section 1). Lead was confirmed to exist in wipe samples of dust collected from the floor, from the walls, and at elevated heights (from the tops of suspended piping from structural building elements).

Samples of dust collected by EnSafe were also analyzed for phosphorous, another contaminant generated in CRT processing operations. Phosphorous was detected in a substantial number of the wipe samples (See Appendix V- Section 2)

It is evident that the presence of dust contaminated with lead and phosphorous in the Facility is the result of the Closed Loop operations. The Facility was occupied by Closed Loop for e-waste recycling activities between December 2014 and the Spring of 2016. Since the Spring of 2016, e-wastes abandoned by Closed Loop have remained at the Facility.

Based on these findings, and, as we understand, the requirements of the Ohio EPA, the hazardous lead contaminated dust will require remediation. The abatement of lead dust should take place following the removal of e-waste from the Facility.

During the removal of e-waste from the Facility, remediation contractor employees performing work inside the building will be required to wear proper personal protective equipment. Additionally, engineering controls and critical barriers should be established in an effort to limit dust migration within the Facility and to prevent dust migration beyond the Facility's footprint.

To develop a lead dust abatement scope of work and abatement cost estimates, DEC contacted qualified remediation contractors and asked the contractors to develop a site-specific proposal or estimate for the remediation of lead dust within the Facility. The following remediation contractors provided proposals/estimates:

- Precision Environmental Co. (“Precision”)
- Environmental Management Specialists Inc. (“EMS”)
- Pegex
- Aztec Services Group, Inc. (“Aztec”)

The below table summarizes the proposals or cost estimates provided by the four (4) remediation contractors and the general scope of work.

TABLE 5 : COST ESTIMATES AND GENERAL SCOPE OF WORK PROVIDED BY FOUR (4) CONTRACTORS FOR LEAD DUST REMEDIATION AT CLOSED LOOP FACILITY

Contractor	Scope of Work	Schedule	Estimated Cost
Precision	Removal of spray-applied fireproofing from walls and ceiling; HEPA vacuuming and/or power washing of floors, walls, bar joists, and horizontal surfaces; disposal of solid waste and wastewater (assumed to be hazardous waste); fireproofing waste subject to waste characterization	16-18 weeks	Min $1,707,000.00
EMS	Removal of spray-applied fireproofing from walls and ceiling; triple rinsing of floors, walls, and ceiling; disposal of solid waste (assuming no hazardous waste); carbon treatment system provided to pretreat wastewater prior to discharge to POTW	20 days	Min $121,110.00
Pegex	Removal of blown on paper type insulation from walls and ceiling; HEPA vacuuming of ceiling trusses and other horizontal surfaces; power washing of walls and floors; disposal of solid waste (assuming no hazardous waste) and wastewater	45 days	Min $614,792.29
Aztec	Clean the existing ceiling, vertical beams and walls by HEPA vacuuming; washing, wet wiping and HEPA vacuuming the floor area; application of a lead sealant (if required); disposal of solid waste (assuming no hazardous waste)	Not Provided	Min $877,990.00

For purposes of this report, the cost estimate provided by Pegex appears to be the most reasonable. The scope of work appears to be consistent with what we anticipate at this time to be required by the Ohio EPA. The total cost and time frame for the work is in the middle of the estimates provided by the other contractors. Regardless of the contractor that is selected, there may be some opportunity for refinement and reduction of the cost estimate (such as the installation of a carbon treatment system to pre-treat wastewater prior to discharge to the local Publicly Owned Treatment Works (POTW)).

Appendix V includes the remediation contractors' cost estimates/proposals and information concerning their qualifications.

DEC notes that Atwell procured cost estimates for lead dust abatement in the Garrison Southfield properties that ranged from $103,000 to $413,050, and two (2) of the three (3) abatement contractors (Precision and EMS) also provided cost estimates/proposals to DEC. Despite the fact that the Closed Loop Facility is smaller (130,652 s.f.) than the Garrison Southfield properties (435,000 s.f.), the estimated costs/proposals for the Closed Loop facility are higher. This variation stems from at least two (2) circumstances. First, the blown on fireproofing insulation will have to be removed from the Closed Loop facility. We understand that there is no blown on fireproofing insulation located in the Garrison Southfield properties. Second, there should also be some cost savings associated with the fact that the Garrison Southfield properties are significantly larger and certain fixed costs may constitute a relatively smaller component of the total project costs.

6.0 CONCLUSION

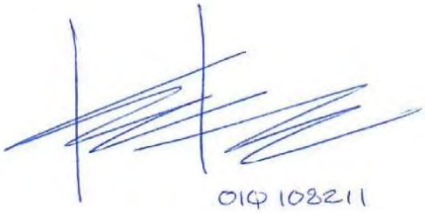
DEC completed an inventory of e-waste abandoned at the Closed Loop Facility. As previously indicated, there were conditions that limited the efforts to complete the inventory. However, despite those conditions, DEC is of the opinion that the inventory of CRTs, CRT glass, and other e-waste abandoned at the Facility is at or very close to 31,000,000 pounds (15,500 tons). This estimate compares very favorably to the estimates provided by Kuusakoski (31,940,000 lbs.) and MAX Environmental (32,000,000 to 33,000,000 lbs.).

Based upon the information developed and reviewed in connection with the preparation of this report, it appears that the costs associated solely with the removal of CRTs, CRT glass, and other e-waste and the abatement of lead contaminated dust is estimated as follows:

Description of Work	Estimated Costs
Removal and Disposal of CRTs, CRT glass and other E-Waste	$3,439,542.00
Lead Dust Abatement	$614,792.29
Total Costs	$4,054,334.29

DEC ENVIRO INC.

Report written by :
Fallon Arcand Laliberté, P. Eng.
Director – Environmental Engineering



Revised by :
Kevin Donovan, P. Eng.
President

APPENDIX I

2013 DEED OF SALE OF PROPERTY

TRANSFERRED

JAN 14 2014

CLARENCE E. MINGO II
AUDITOR
FRANKLIN COUNTY, OHIO

649

Conveyance
Mandatory- 2067.00
Permissive- 2067.00 MWD
CLARENCE E. MINGO II
FRANKLIN COUNTY AUDITOR

201401160006135
Pgs: 10 $92.00 T20140003366
01/16/2014 9:09AM MEPFIRST AMER
Terry J. Brown
Franklin County Recorder

LIMITED WARRANTY DEED
(ORC 5302.07/5302.08)

KNOW ALL MEN BY THESE PRESENTS, that **Columbus Fairwood, LLC,** an Illinois limited liability company, **JES Columbus Fairwood, LLC**, an Illinois limited liability company, **RES Columbus Fairwood, LLC**, an Illinois limited liability company, **MSP Columbus Fairwood, LLC**, an Illinois limited liability company, and **EEO Columbus Fairwood, LLC**, an Illinois limited liability company, collectively **"Grantors",** for Ten Dollars ($10.00) and other good and valuable consideration paid, grants, with limited warranty covenants, to **OLYMBEC USA LLC,** a Delaware limited liability company **"Grantee",** whose tax mailing address is 333 Decarie Boulevard, 5th Floor, St-Laurent, Quebec, H4N3M9, Canada, the following real property situate in the City of Columbus, County of Franklin, and State of Ohio:

SEE LEGAL DESCRIPTION ATTACHED HERETO AS EXHIBIT "A"

Permanent Parcel No.: 010-035846-00.
Prior Instrument Reference: Franklin County Recorder's Instrument No. 200703080041643.

The conveyance herein is made subject to the following exceptions which are excepted from the foregoing limited warranty covenants:

1. Existing leases.
2. Covenants, conditions, restrictions and easements of record, however created.
3. Zoning ordinances or use regulations.
4. Taxes and assessments, general and special, not currently due and payable.

IN WITNESS WHEREOF, the Grantors have caused this Limited Warranty Deed to be duly executed and delivered as of the 17th day of December, 2013.

Columbus Fairwood, LLC, an Illinois limited liability company

By: _____
Name: John E. Shaffer
Title: Managing Member

STATE OF IL)
) SS:
COOK COUNTY)

The foregoing instrument was acknowledged before me this 17th day of December, 2013, by John E. Shaffer, Managing Member of **Columbus Fairwood, LLC,** an Illinois limited liability company, on behalf of the limited liability company.

_____
Notary Public

My commission expires:

[Signatures and acknowledgments continue on next page]

OFFICIAL SEAL
ALINA D ZAJ
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:08/29/15

JES Columbus Fairwood, LLC, an Illinois limited liability company

By: _____
Name: John E. Shaffer
Title: Manager

STATE OF IL)
) SS:
COOK COUNTY)

The foregoing instrument was acknowledged before me this 17th day of December, 2013, by John E. Shaffer, Manager of **JES Columbus Fairwood, LLC**, an Illinois limited liability company, on behalf of the limited liability company.

_____
Notary Public

My commission expires:

[Signatures and acknowledgments continue on next page]

OFFICIAL SEAL
ALINA D ZAJ
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:08/29/15

MSP Columbus Fairwood, LLC, an Illinois limited liability company

By: _____
Name: Melissa S. Pielet
Title: Manager

STATE OF IL)
) SS:
COOK COUNTY)

The foregoing instrument was acknowledged before me this 17th day of December, 2013, by Melissa S. Pielet, Manager of **MSP Columbus Fairwood, LLC**, an Illinois limited liability company, on behalf of the limited liability company.

_____
Notary Public

My commission expires:

OFFICIAL SEAL
ALINA D ZAJ
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:08/29/15

[Signatures and acknowledgments continue on next page]

RES Columbus Fairwood, LLC, an Illinois limited liability company

By: _____
Name: Robert E. Smietana
Title: Manager

STATE OF IL)
) SS:
COOK COUNTY)

The foregoing instrument was acknowledged before me this 17th day of December, 2013, by Robert E. Smietana, Manager of **RES Columbus Fairwood, LLC**, an Illinois limited liability company, on behalf of the limited liability company.

_____
Notary Public

My commission expires:

OFFICIAL SEAL
ALINA D ZAJ
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:08/29/15

[Signatures and acknowledgments continue on next page]

EEO Columbus Fairwood, LLC, an Illinois limited liability company

By: _____
Name: Eric E. Ogden
Title: Manager

STATE OF IL)
) SS:
COOK COUNTY)

The foregoing instrument was acknowledged before me this 17th day of December, 2013, by Eric E. Ogden, Manager of **EEO Columbus Fairwood, LLC**, an Illinois limited liability company, on behalf of the limited liability company.

_____
Notary Public

My commission expires:

OFFICIAL SEAL
ALINA D ZAJ
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:08/29/15

This document was prepared by:
Christopher F. Brooks, Esq.

EXHIBIT "A"

Situated in the State of Ohio, County of Franklin, and in the City of Columbus:

Parcel 1

Situated in the State of Ohio, County of Franklin, City of Columbus, in Half Section 38, Section 26, Township 5, Range 22, Refugee Lands, being all of Parcel Four and part of Parcel Five conveyed to OLT Properties Limited Partnership as shown of record in Official Records Volume 11147, G-16, Recorder's Office, Franklin County, Ohio, (all deed references made being to said Recorder's Office) and being more particularly described as follows:

Commencing at a found railroad spike at the Southwest corner of a 1.111 acre tract conveyed to OLT Properties Limited Partnership (Official Records Volume 11147 G-16, Parcel Six, said Recorder's Office), being the intersection of the centerline of Fairwood Avenue with the North line of the Conrail Railroad (formerly T. &; O.C. Railway Co.);

Thence, along said centerline of Fairwood Avenue and the West line of said 1.111 acre tract, North 02 degrees 28 minutes 16 seconds East, 173.46 feet to the Northwest corner of said 1.111 acre tract, Southwest corner of said Parcel Four and the True Point of Beginning of the herein described tract;

Thence, continuing along said centerline of Fairwood Avenue and the West line of said Parcel Four, North 02 degrees 28 minutes 16 seconds East, 16.54 feet to the Northwest corner of said Parcel Four and the Southwest corner of the 0.6476 acre tract conveyed to the City of Columbus (Deed Book 3214, Page 9);

Thence, along part of the North line of said Parcel Four and the South line of said 0.6476 acre tract, (parallel with the North line of said railroad), South 87 degrees 33 minutes 44 seconds East, 40.00 feet to a set iron pipe at the Southeast corner of said 0.6476 acre tract and in the existing East right-of-way of said Fairwood Avenue;

Thence, along the East line of said 0.6476 acre tract and said East line of Fairwood Avenue, North 02 degrees 28 minutes 16 seconds East, 705.69 feet to the intersection of said line with the North line of said Parcel Five, referenced by a found iron pin bearing North 87 degrees 37 minutes 00 seconds West, 10.00 feet, being in the South line of the Van Dyne-Crotty Co. 6.470 acre tract (Deed Book 3401, Page 998);

Thence, along the North line of said Parcel Five and the South line of said 6.470 acre tract, South

87 degrees 37 minutes 00 seconds East, 765.73 feet to the Northeast corner of said Parcel Five, Southeast corner of said 6.470 acre tract and in the West line of the Board of County Commissioners 6.792 acre tract (Deed Book 3598, Page 392), (passing a found iron pipe at 738.73 feet);

Thence, along an East line of said Parcel Five (part of the West line of said 6.792 acre tract), South 03 degrees 12 minutes 15 seconds West, 260.06 feet to a set iron pipe at the Southwest corner of said 6.792 acre tract;

Thence, along a North line of said Parcel Five (part of the South line of said 6.792 acre tract), South 87 degrees 20 minutes 00 seconds East, 15.50 feet to a set iron pipe at the Northwest corner of a 0.171 acre tract described as the First Parcel conveyed to The New York Central Railroad Company in Deed Book 2854, Page 529;

Thence, along an East line of said Parcel Five, (West line of said 0.171 acre tract) South 02 degrees 47 minutes 40 seconds West, 257.80 feet to a set iron pipe at a point of curvature at the Southwest corner of said 0.171 acre tract, and the Northwest corner of a 0.227 acre tract described as the Second Parcel conveyed to The New York Central Railroad Company in Deed Book 2854, Page 529;

Thence, along the West line of said 0.227 acre tract and the arc of a curve to the right, said curve having a radius of 397.77 feet, delta of 53 degrees 24 minutes 35 seconds, a chord bearing and distance of South 29 degrees 30 minutes 00 seconds West, 357.51 feet to a point at the Southwest corner of said 0.227 acre tract and the Northeast corner of the Third Parcel conveyed to The New York Central Railroad Company in said Deed Book 2854, Page 529;

Thence, along the North line of said Third Parcel, South 68 degrees 09 minutes 41 seconds West, 145.08 feet to the intersection of said line with the North line of said railroad;

Thence, along the South line of said Parcel Five and the North line of said railroad along the arc of a curve to the right, said curve having a radius of 2,075.36 feet, delta of 01 degrees 17 minutes 10 seconds, a chord bearing and distance of North 88 degrees 11 minutes 24 seconds West, 46.59 feet to a set iron pipe;

Thence, continuing along said line, North 87 degrees 33 minutes 44 seconds West, 210.18 feet to a set iron pipe at a Southwest corner of said Parcel Five and the Southeast corner of said 1.111 acre tract;

Thence, along part of a West line of said Parcel Five (part of the East line of said 1.111 acre tract), North 02 degrees 28 minutes 16 seconds East, 15.00 feet to a set iron pipe;

Thence, across said Parcel Five, along the arc of a curve to the left, said curve having a radius of 400.00 feet, delta of 30 degrees 52 minutes 53 seconds, and a chord bearing and distance of North 44 degrees 22 minutes 00 seconds East, 213.00 feet to a set iron pipe;

Thence, across said Parcel Five, North 87 degrees 33 minutes 44 seconds West, 142.23 feet to a set iron pipe in a West line of said Parcel Five and the East line of said 1.111 acre tract;

Thence, along part of a West line of said Parcel Five (part of the East line of said 1.111 acre tract) North 02 degrees 28 minutes 16 seconds East, 16.54 feet to a set iron pipe at the Northeast corner of said 1.111 acre tract;

Thence, along a South line of said Parcel Five and a North line of said 1.111 acre tract, North 87 degrees 33 minutes 44 seconds West, 146.30 feet to a set iron pipe at a Northwest corner of said 1.111 acre tract and the Northeast corner of said Parcel Four;

Thence, along the East line of said Parcel Four and a West line of said 1.111 acre tract, South 02 degrees 28 minutes 16 seconds West, 16.54 feet to a set iron pipe at the Southeast corner of said Parcel Four;

Thence, along the South line of said Parcel Four and a North line of said 1.111 acre tract, North 87 degrees 33 minutes 44 seconds West, 118.70 feet to the place of beginning containing 13.985 acres.

The foregoing description was prepared from an actual field survey made by Myers Surveying Company, Inc. in November 2003, Iron pipes set arc 30" X 1" (O.D.) with orange plastic caps inscribed "P.S. 6579". Bearings are based on the North line of said Parcel Five held as South 87 degrees 37 minutes 00 seconds East, as per Official Records Volume 11147 G-16.

Parcel 2

Situated in the State of Ohio, County of Franklin, City of Columbus, in Half Section 38, Section 26, Township 5, Range 22, Refugee Lands, being part of Parcel Five conveyed to OLT Properties Limited Partnership as shown of record in Official Records Volume 11147, G-16, Recorder's Office, Franklin County, Ohio, (all deed references made being to said Recorder's Office) and being more particularly described as follows:

Beginning at a found iron pipe at the Southeast corner of said Parcel Five, the Southwest corner of the Reliable Truck Parts, Inc. 12.336 acre tract (Official Records Volume 7970 C-16), and in the North line of the Conrail railroad;

Thence, along a South line of said Parcel Five, along the arc of a curve to the right, said curve having a radius of 2,075.36 feet, delta of 05 degrees 13 minutes 50 seconds, a chord bearing and distance of South 84 degrees 54 minutes 21 seconds West, 189.39 feet to a point at the Southeast corner of a Conrail tract, being the Third Parcel conveyed to The New York Central Railroad Company in Deed Book 2854, Page 529);

Thence, along a West line of said Parcel Five and the East line of said Third Parcel, North 02

degrees 52 minutes 50 seconds East, 21.85 feet to a point at the Southwest corner of a 0.227 acre tract described as the Second Parcel in said Deed Book 2854, Page 529);

Thence, along the East line of said 0.227 acre tract and the arc of a curve to the left, said curve having a radius of 422.77 feet, delta of 55 degrees 53 minutes 37 seconds, a chord bearing and distance of North 30 degrees 44 minutes 30 seconds East, 396.26 feet to a point at the Northeast corner of said 0.227 acre tract, and in the South line of a 0.171 acre described as the First Parcel in said Deed Book 2854, Page 529;

Thence, along part of a South line of said 0.171 acre tract, South 87 degrees 12 minutes 20 seconds East, 3.37 feet to a set iron pipe at the Southeast corner of said 0.171 acre tract, a Northeast corner of said Parcel Five, and in the West line of said 12.336 acre tract;

Thence, along an East line of said Parcel Five and part of the West line of said 12.336 acre tract, South 03 degrees 02 minutes 45 seconds West, 345.91 feet to the place of beginning containing 0.509 acres.

The foregoing description was prepared from an actual field survey made by Myers Surveying Company, Inc. in November 2003. Iron pipes set are 30" X 1" (O.D.) with orange plastic caps inscribed "P.S. 6579". Bearings are based on the North line of said Parcel Five held as South 87 degrees 37 minutes 00 seconds East, as per Official Records Volume 11147 G-16.

N-053-N
ALL OF
(010)
035846

DESCRIPTION VERIFIED
DEAN C. RINGLE, P.E., P.S.
BY: _____
DATE: ~~01/06/2014~~ 01/14/2014
FRANKLIN COUNTY ENGINEER

APPENDIX II

PROPERTY AND CLOSED LOOP FACILITY PHOTOGRAPHS

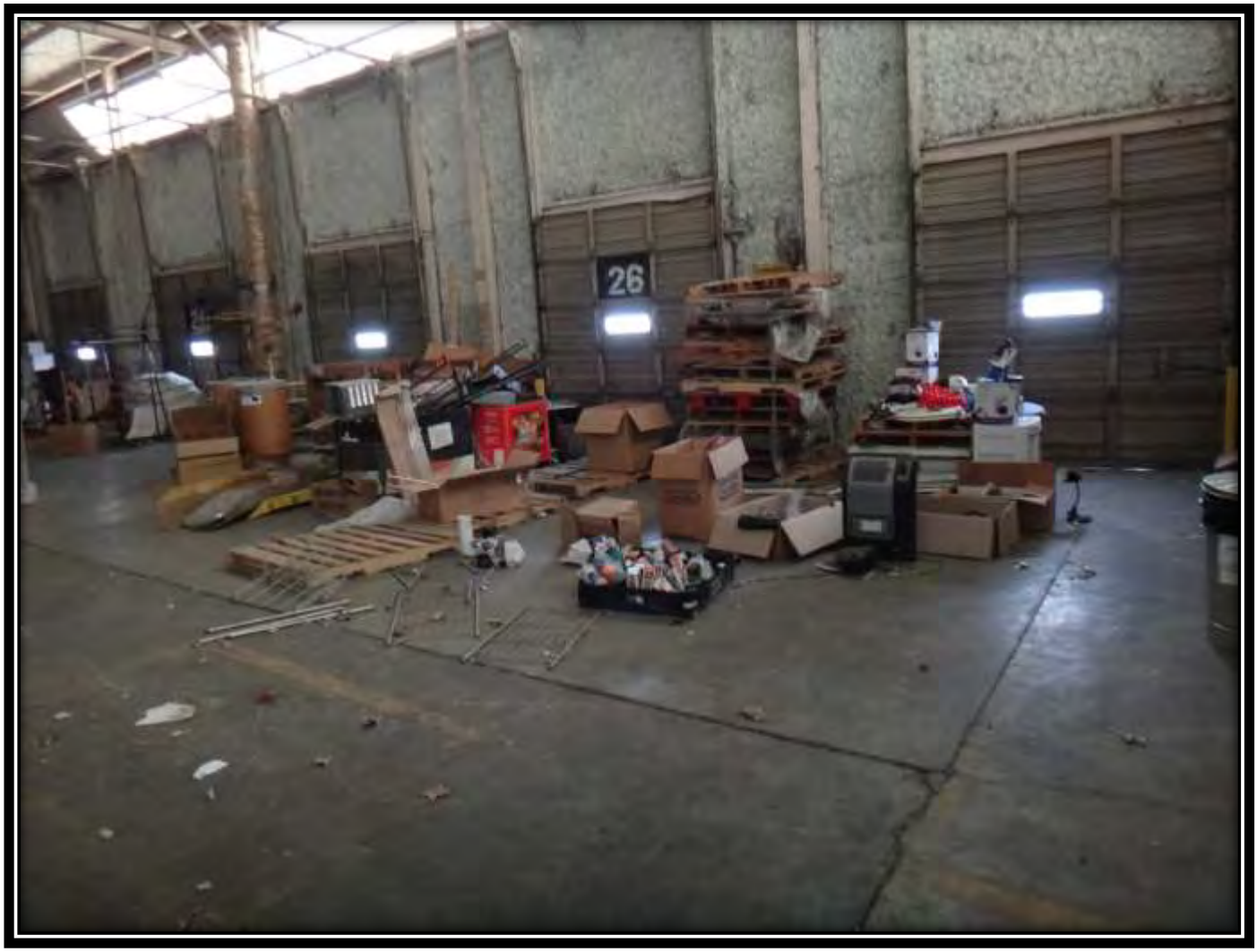
Photograph #1 : General overview of the Closed Loop facility.

Photograph #2 : General overview of the Site and area of concern

Photograph #3 : General view of the gaylords, piled 2 or 3 high, stored in the Facility (April 23rd, 2018).

Photograph #4 : View of the gaylords in the Facility. View from above (April 23rd, 2018)

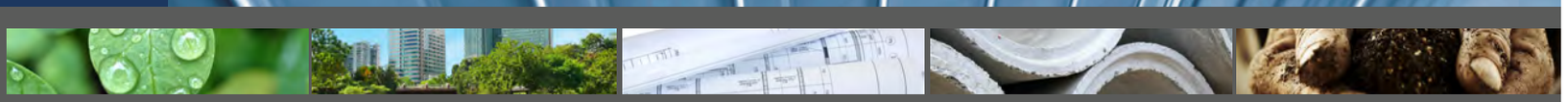
Photograph #5 : View of CRTs stored in bags, located in the central portion of the Facility (April 23rd, 2018).



Photograph #6 : View of the blown-on fireproofing insulation present on the ceilings and walls of the Facility.

APPENDIX III

DEC'S QUALIFICATIONS



DONOVAN

EXPERTS - CONSEILS INC.

- ENVIRONMENTAL ENGINEERING
- GEOTECHNICS AND HYDROGEOLOGY
- MATERIAL ENGINEERING
- BUILDING SCIENCE

DEC ENVIRO

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DONOVAN EXPERTS-CONSEILS
Specialists in environmental engineering, geotechnics, material engineering, and building science.

Founded in 1998, DEC is at the service of cities and municipalities, real-estate promoters, businesses, industrial facilities, engineering firm s, and architectural firms. DEC is renowned for its irreproachable know-how and its team of highly-qualified professionals made up of civil engineers, geological engineers, geologists, environmental engineers, hydrogeologists, biologists, and technologists.

DONOVAN EXPERTS - CONSEILS INC

Soil survey and geotechnical investigation

GEOTECHNICAL SERVICES OFFERED :

- Spread footing (continuous or isolated footing) and pile foundations for residential, institutional, commercial, and industrial projects
- Temporary and permanent support (paroi berlinoise , pile plank, underpinning) for safe excavation
- Pile driving
- Slope stability and embankment
- Geological study and soil survey reports
- Dike and support work behaviour
- Forensic consulting expertise (Existing foundation, compaction, landslides)
- Hydrogeological studies
- Rock mechanics
- Erosion control and drainage system design

Waste-Water Treatment Systems (Septic)

- Ground analysis to determine the stratigraphy and permeability of the soil
- MDDEFP-required percolation tests
- Gathering all documents required to obtain a permit for residential installations in accordance with law Q-2, R.22
  (Regulation regarding the evacuation and treatment of used water for isolated residences)
- Writing a request for a Certificate of Authorization for used water treatment installations according to sections 22, 32, and 48 of the Canadian Environmental Protection Act
- Conformity inspection for domestic used water treatment facilities

Material Quality Control

SERVICES WE OFFER IN TERMS OF MATERIAL QUALITY CONTROL

SOILS AND AGGREGATES

- Borrow pit research (sampling done at the source of quarries and borrows)
- Sampling of materials at the construction site
- Monitoring, quality control and trials at the construction site
- Qualitative testing normalized in a laboratory
- Approval of aggregate materials according to estimate specifications
- Petrographical analysis
- Expertise in "DB" pyrite according to norms NQ 2560-500 and 510
- Characterization of recycled materials (asphalt and crushed concrete) according to standard NQ 2500-600

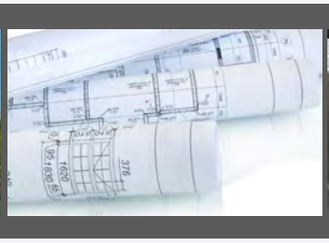
CEMENT CONCRETE

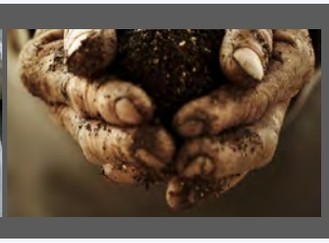
- Borrow pit research (sampling done at the source of quarries and borrows)
- Sampling of materials at the construction site
- Monitoring, quality control and trials at the construction site
- Qualitative testing normalized in a laboratory
- Approval of aggregate materials according to estimate specifications
- Petrographical analysis
- Condition assessment of concrete structures (identified deficiency or degradation) by concrete core-sampling and non-destructive testing

ASPHALT

- Quality control and trials at the construction site
- Formula approval for bituminous concrete mixture
- Qualitative testing done in a laboratory
- Coring for fault cause evaluation







Environmental study

- Phase I environmental site analysis, conforming with standards CSA Z768, ASTM E1527 and the Characterization Guide
- Environmental characterization of the ground and/or of underground water (Phase II), conform to standards CSA Z769, ASTM E1903 and the Characterization Guide
- Exhaustive environmental characterization of the ground and/or underground water (Phase III)
- Environmental rehabilitation of the site (Phase IV)
- Certificate in characterization studies by an MDDEFP-accredited certification expert, according to section IV.2.1 of the *Canadian Environmental Protection Act*
- Creation of a rehabilitation plan and follow-up with the MDDEFP
- Plans and specifications for rehabilitation work and turnkey projects
- Removal of underground reservoirs (identification, characterization and monitoring)
- Hydrogeological studies
- Statistical modeling of transport and draining of contaminants
- Environmental conformity verification (ECV)
- Environmental audits of industries according to standards CSA Z773 and ASTM E2365, E2107
- Asbestos: Characterization and monitoring of asbestos removal work according to standard ASTM 2356
- Toxicological/ecotoxilogical contamination risk study
- Request of Authorization Certificates with municipal or provincial authorities (MDDEFP) according to sections 22 and 32 of the Canadian Environmental Protection Act
- Characterization and classification of waste and residual material
- Elaboration of environmental management plans
- Forensic consulting expertise: technical knowledge and court assistance

Faunistic research, floristic, and wetland studies

- Identification, characterization and inventory of wetlands
- Ecological characterization for real-estate development projects
- Inventory of species of wild fauna and flora protected by the law
- •Delimitation and characterization of wetlands : streams, ponds, lakes, marshes, and bogs
- Determination of normal high-water levels
- Authorization requests with regulatory authorities (municipal, regional, provincial, and federal) and follow-ups

Building science

BUILDING SCIENCE SERVICES OFFERED:

PROPERTY CONDITION ASSESSMENTS
(standard ASTM E2018)

- Roof inspection
- Inspection of building envelope (exterior walls, windows, brick)
- Mechanical system and power system
- Auscultation investigation – garages and building envelope
- Inspection of interior parking slabs
- Analysis to detect presence of asbestos and mold

WATERPROOFING SYSTEMS

- Roof survey to assess the current condition of the roof
- Monitoring of roofing work
- Deficiency detection and suggested action plan
- Projection of repairs and costs
- Preventive maintenance program

INTERIOR PARKING SLABS

- Assessment of concrete slab delamination
- Corrosion assessment
- Plans and specifications for repairs
- Work monitoring

WWW.DECENVIRO.COM

149B, RUE PRINCIPALE, SAINT-SAUVEUR (QUÉBEC) J0R 1R6
T | 450.227.6177 F| 450.227.5377 | INFO@DECENVIRO.COM

Laurentides/Laval (Head office) : 450.227.6177 | Montréal : 514.587.6177
Québec : 418.317.6177 | Mont-Laurier : 819.508.6177

FALLON ARCAND LALIBERTÉ, ENG.

LANGUAGES ORAL AND WRITTEN : English and French

PROFESSIONAL ORDERS AND ASSOCIATIONS :

Ordre des ingénieurs du Québec (#5029700)

RELEVANT TRAINING

July 2014 **Health and Safety on Construction Sites Certification Course**
École des métiers de la construction de Montréal

March 2014 **Health and safety training course : Travaux sur des matériaux contenants de l'amiante au Québec – Risque Faible à Élevé**
Hazmasters and AMEC Environnement Ltée

ACADEMIC TRAINING

In progress **Masters of Civil Engineering – Environmental Engineering concentration**
Concordia University

2006-2010 **Bachelors Degree – Bioresource Engineering**
McGill University

2006-2008 **Diploma of College Studies - Pure and applied sciences**
Champlain Regional Cegep

PROFESSIONAL EXPERIENCE

2009 - present **DONOVAN EXPERTS-CONSEILS INC.**
Environmental engineering firm
Engineer

DIRECTOR – ENVIRONMENTAL ENGINEERING

- Realisation of Environmental Site Assessments (Phase I) ;
- Realisation of Environmental Site Characterisation studies via drillings and/or test pits for soil and installation of groundwater monitoring wells (Phase II et III);
- Supervision during the removal of underground storage tanks (USTs);
- Supervision during Environmental Site Rehabilitation (Phase IV);
- Supervision of environmental drilling and/or test pits and installation of groundwater monitoring wells;
- Sampling of soil and water for chemical analyses;
- Drafting of technical reports, compilation and interpretation of results;
- Estimate costs and manage environmental projects;
- Responsible for project communication with clients as well as with federal, provincial and municipal authorities;
- Realisation of Asbestos Containing Materials (ACM) characterisation studies;
- Preparation and realisation of plans and bids for asbestos abatements/removal projects;
- Supervision and logistics of asbestos abatement/removal works;
- Drafting technical ACM reports, compilation and interpretation of results;
- Air sampling for asbestos fibre count and/or mold content;

APPENDIX IV

CHART SUMMARIZING DEC INVENTORY ASSESSMENT

AVERAGE TONNAGE		
	GAYLORD OF CRT SCREENS - LBS	1,334
	GAYLORD CRUSHED GLASS - LBS**	3,400
	WHITE BAGS OF CRT + CRUSHED SCREENS - LI	1,849

BAY	DESCRIPTION	AMOUNT	TYPE	AVERAGE WEIGHT / GAYLORD
A1	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	207	CRT	276,236
A2	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	324	CRT	432,369
A3	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	324	CRT	432,369
A4	Cardboard boxes containing CRTs stacked 3 high	246	CRT	328,281
A5	Cardboard boxes containing CRTs stacked 3 high	236	CRT	314,936
A6	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	257	CRT	342,960
A7	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	225	CRT	300,257
A8	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	227	CRT	302,926
A9	Cardboard boxes with transparent bags containing CRT screens, stacked 3 high	258	CRT	344,294
A10	Cardboard boxes without bags, containing CRTs, stacked 2 or 3 high	22	CRT	29,358
	Carboard boxes with transparent bag containing CRTs, stacked 2 or 3 high	47	CRT	62,720
	Carboard boxes with black bags containing crushed glass, stacked 2 or 3 high	10	CRUSHED GLASS	34,000
	Box of cardboard and wood	1	OTHER	N/A
A11	Carboard boxes with transparent bag containing CRTs, piled 2 or 3 high	58	CRT	77,399
A12	Carboard boxes with transparent bag containing CRTs, stacked 2 or 3 high	43	CRT	57,382
	Pallet of cardboard	1	OTHER	N/A
B1	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	258	CRT	344,294
B2	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 4 high	302	CRT	403,011
B3	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 4 high	389	CRT	519,110
	White plastic bags containing CRTs and metal, crushed	10	CRT - BAGS	18,485
B4	Cardboard boxes containing CRTs stacked 3 high	359	CRT	479,076
B5	Cardboard boxes containing CRTs stacked 3 high	399	CRT	532,455
B6	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	323	CRT	431,035
B7	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	296	CRT	395,004
B8	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	323	CRT	431,035
B9	Cardboard boxes with black plastic bags containing crushed glass, stacked 3 high	101	CRUSHED GLASS	343,400
B10	Cardboard boxes with transparent bags containing CRTs, stacked 3 high	14	CRT	18,683
	Carboard boxes with black bags containing crushed glass, stacked 3 high	95	CRUSHED GLASS	323,000
B11	Cardboard boxes containing crushed glass, stacked 3 high	2	CRUSHED GLASS	6,800
B12	Cardboard boxes with transparent bags containing CRT screens, stacked 3 high	324	CRT	432,369
C1	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	298	CRT	397,673
C2	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 4 high	414	CRT	552,472
C3	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 4 high	400	CRT	533,789
C4	Cardboard boxes containing CRTs stacked 2 to 4 high	363	CRT	484,414
C5	Cardboard boxes containing CRTs stacked 3 to 4 high	338	CRT	451,052
C6	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 or 4 high	310	CRT	413,687
C7	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 or 4 high	306	CRT	408,349
C8	Cardboard boxes with transparent plastic bags containing CRTs, stacked 3 or 4 high	281	CRT	374,987
C9	Cardboard boxes with black plastic bags containing crushed glass, stacked 3 high	264	CRUSHED GLASS	897,600
C10	Cardboard boxes with transparent bags containing CRTs, stacked 3 high	59	CRT	78,734
	Carboard boxes with black bags containing crushed glass, stacked 3 high	180	CRUSHED GLASS	612,000
C11	White plastic bags, stacked 1 row high, containing CRT + metal frames, crushed	58	CRT- BAGS	107,215
	Cardboard boxes with transparent bags containing CRTs, stacked 3 high	45	CRT	60,051
C12	Cardboard boxes with transparent bags containing CRTs, stacked 3 high	284	CRT	378,991
D1	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	292	CRT	389,666
D2	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 4 high	429	CRT	572,489
D3	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 4 high	430	CRT	573,824
D4	Cardboard boxes containing CRTs	258	CRT	344,294
	White bags containing CRT + metal frames, crushed	64	CRT- BAGS	118,306
D5	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 2 or 3 high	200	CRT	266,895
D6	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 or 4 high	360	CRT	480,411
D7	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 or 4 high	380	CRT	507,100
D8	Cardboard boxes with transparent plastic bags containing CRTs, stacked 3 or 4 high	393	CRT	524,448
D9	Cardboard boxes with black plastic bags containing crushed glass, stacked 3 high	286	CRUSHED GLASS	972,400
D10	Cardboard boxes with transparent bags containing CRTs, stacked 3 high	37	CRT	49,376
	Carboard boxes with black bags containing crushed glass, stacked 3 high	83	CRUSHED GLASS	282,200
	Carboard boxes with transparent bags containing crushed glass, stacked 3 high	147	CRUSHED GLASS	499,800
D11	White plastic bags, stacked 1 row high, containing CRT + metal frames, crushed	106	CRT - BAGS	195,945
D12	Cardboard boxes with transparent bags containing CRTs, stacked 3 high	286	CRT	381,659
E1	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	240	CRT	320,274
E2	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 4 high	429	CRT	572,489
E3	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 4 high	431	CRT	575,158
E4	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	275	CRT	366,980
E5	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	250	CRT	333,618
E6	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 2 or 3 high	275	CRT	366,980
E7	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 2 or 3 high	200	CRT	266,895
E8	xes with transparent plastic bags containing CRTs, stacked 4 high, with a few boxes of crushed g	351	CRT	468,400
E9	Cardboard boxes with black plastic bags containing crushed glass, stacked 3 high	274	GLASS	931,600
E10	Cardboard boxes with transparent bags containing glass, stacked 3 high	208	GLASS	707,200
E11	White plastic bags, stacked 1 row high, containing CRT + metal frames, crushed	120	CRT - BAGS	221,824
E12	Cardboard boxes with transparent bags containing CRTs, stacked 2 or 3 high	268	CRT	357,639
F1	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	240	CRT	320,274
F2	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 4 high	373	CRT	497,759
F3	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 4 high	385	CRT	513,772
F4	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	297	CRT	396,339
F5	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 3 high	270	CRT	360,308
F6	es with transparent or black plastic bags containing CRTs, stacked 2 or 3 high, with a few boxes o	275	CRT	366,980
F7	Cardboard boxes with transparent or black plastic bags containing CRTs, stacked 2 or 3 high	270	CRT	360,308
F8	Cardboard boxes with CRTs stacked 3 or 4 high	176	CRT	234,867
	White plastic bags, mixed among the boxes, containing CRT + metal frames, crushed	52	CRT- BAGS	96,124
F9	Cardboard boxes with black plastic bags containing crushed glass, stacked 3 high	312	CRUSHED GLASS	1,060,800
F10	Cardboard boxes with transparent bags containing glass, stacked 3 high	176	CRUSHED GLASS	598,400
F11	Cardboard boxes with transparent bags containing glass, stacked 2 high	35	CRUSHED GLASS	119,000
	White plastic bags, stacked 1 row high, containing CRT + metal frames, crushed	90	CRT - BAGS	166,368
F12	Cardboard boxes with transparent bags containing CRT, stacked 3 or 4 high	310	CRT	413,687
			TOTAL # OF GAYLORDS & BAGS :	**19,614**
			TOTAL LBS OF GAYLORD & BAG CONTENT :	**30,917,116**
			SUB-TOTAL LBS OF CRT SCREENS (COMPLETE UNITS) :	**22,604,650**
			SUB-TOTAL LBS OF CRUSHED CRT GLASS :	**7,388,200**
			SUB TOTAL LBS OF CRT- BAGS (CRUSHED CRT SCREENS AND OTHER CRT COMPONENTS) :	**924,267**

ITEM	TOTAL LBS	$/LB *	TOTAL
HAZ MATS (CRUSHED GLASS & CRT BAGS)	8,312,467	$ 0.08270	$ 687,440.99
SOLID WASTES (CRT SCREENS)	22,604,650	$ 0.12150	$ 2,746,464.94
		TOTAL	$ 3,433,905.94

* PRICING BASED ON KUUSAKOSKI QUOTE DATED APRIL 13TH, 2018

** WEIGHT BASED ON KUUSAKOSKI ESTIMATED AVEC WEIGHT FOR CRUSHED GLASS

APPENDIX V

SECTION 1

INDUSTRIAL HYGIENE ASSESSMENT REPORT, OLYMBEC USA LLC, 2200 FAIRWOOD AVE, COLUMBUS OHIO, DATED OCTOBER 12, 2017 (ENSAFE)

SECTION 2

TABLE OF ANALYTICAL RESULTS FOR LEAD AND PHOSPHOROUS (INCLUDING LABORATORY REPORT DATED SEPTEMBER 15, 2017)

V - SECTION 1

INDUSTRIAL HYGIENE ASSESSMENT REPORT

OLYMBEC USA LLC
2200 FAIRWOOD AVENUE
COLUMBUS, OHIO 43207

EnSafe Project Number:
0888821243/001

Prepared for:

OLYMBEC

Olymbec USA LLC
2200 Fairwood Avenue
Columbus, Ohio 43207

Sample Date: July 20, 2017
Draft Report Date: August 29, 2017
Final Report Date: October 12, 2017

525 Vine Street Suite 1755
Cincinnati, Ohio 45202
(513) 621-7233 | (513) 621-7234

ENSAFE

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INDUSTRIAL HYGIENE ASSESSMENT REPORT

OLYMBEC USA LLC
2200 FAIRWOOD AVENUE
COLUMBUS, OHIO 43207

EnSafe Project Number:
0888821243/001

Prepared for:

Olymbec USA LLC
2200 Fairwood Avenue
Columbus, Ohio 43207

Prepared by:

Michael Przybylski/Robert J. Goodman, CIH, CSP

August 28, 2017
Date

Reviewed by:

Edward B. Baker

October 12, 2017
Date

525 Vine Street Suite 1755
Cincinnati, Ohio 45202
(513) 621-7233 | (513) 621-7234

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TABLE OF CONTENTS

FIGURES

ATTACHMENTS

EXECUTIVE SUMMARY

EnSafe Inc. performed an industrial hygiene assessment at the Olymbec USA LLC (Olymbec) owned facility in Columbus, Ohio, on July 20, 2017. The purpose and scope of the assessment was to evaluate the presence of lead in settled dust throughout a storage warehouse having been historically occupied by Closed Loop, a cathode ray tube recycler. At the time of inspection, the cathode ray tube materials and wastes associated with Closed Loop's operations were still present in the leased premises. Two bulk samples of broken cathode ray tube glass and sixteen wipe samples were collected.

Results of both broken glass bulk samples from the warehouse floor reveal the presence of lead. The bulk sample results exceed Ohio Environmental Protection Agency generic direct-contact standards for lead in a commercial/industrial land use.

In addition, current Occupational Safety and Health Administration standards for lead (29 Code of Federal Regulations 1910.1025(h)) require that "all surfaces shall be maintained as free as practicable of accumulations of lead." Results of the lead wipe samples reveal thirteen of the sixteen samples were above the Brookhaven National Laboratory housekeeping acceptable surface levels for lead.

1.0 INTRODUCTION

Facility/Location:	Closed Loop Refining and Recovery Inc. 2200 Fairwood Avenue Columbus, Ohio
Facility Contact:	Mr. Mike Monnin, Maintenance Engineer
Monitoring Date:	July 20, 2017
Contaminants:	Lead
EnSafe Inc. Field Personnel:	Mr. Michael Przybylski and Mr. Kevin Losekamp
EnSafe Project Manager:	Mr. Edward B. Baker
Reason for Monitoring:	Specific Request

Olymbec USA LLC (Olymbec) owns a 257,767-square-foot warehouse structure at 2200 Fairwood Avenue in Columbus, Ohio. Closed Loop Refining and Recovery, Inc. (Closed Loop) leased 130,652 square feet of the building for warehousing and distribution as part of a cathode ray tube (CRT) recycling operation (subject property). During EnSafe's March 26, 2017, site visit, the warehouse conditions were as follows:

- Approximately 90 percent of the subject property floor space was occupied by palletized cardboard boxes containing CRTs and CRT glass stacked an average of three boxes high.
- Several cardboard boxes had historically fallen to the floor, and broken CRTs and associated glass were on the subject property floor near these boxes.
- Several cardboard boxes were leaning against or towards exterior warehouse walls and doors; these boxes precluded safe and efficient access around the stored boxes within the warehouse.

This industrial hygiene assessment was performed to assist Olymbec in evaluating the release or spill of pollutants or hazardous materials or substances because of the Closed Loop operations.

2.0 SAMPLING

Bulk

Two bulk samples of broken CRT glass spilled from broken boxes were collected. The sample locations were selected based upon EnSafe's March 2017 site visit. The following summarizes the bulk sample locations:

Sample Number	Sample Description
17-0187586	Glass Warehouse South
17-0187576	Glass Warehouse Mid

Wipe

Wipe samples were collected at sixteen locations where dust had collected throughout the facility. Six samples were collected at an elevated height (either from the tops of suspended piping or from structural building elements), five samples were collected from the concrete floor, and five samples were collected from the insulation covered walls. The following summarizes the wipe sample locations:

Sample Number	Sample Description
17-0187591	Elevated-1
17-0187590	Elevated-2
17-0187589	Elevated-3
17-0187588	Elevated-4
17-0187587	Elevated-5
17-0187585	Elevated-6
17-0187584	Floor-1
17-0187583	Floor-2
17-0187582	Floor-3
17-0187581	Floor-4
17-0187580	Floor-5
17-0187579	Wall-1
17-0187578	Wall-2
17-0187577	Wall-3
17-0187575	Wall-4
17-0187574	Wall-5

The approximate location of each sample, sample identification, laboratory identification, and result can be referenced in Figure 1.

3.0 METHODS AND MATERIALS

Bulk sampling for lead was conducted while wearing nitrile gloves and laboratory provided glass jars to collect broken glass on the floor. Wipe sampling was conducted using nitrile gloves, pre-moistened lead wipes, sample templates, and plastic vials. Wipe sampling was conducted inside a new 100-square centimeter template using pre-moistened wipes. Elevated wipe samples were accessed using a 24-foot extension ladder to sample areas accessible from the warehouse floor (e.g., were not blocked by stored boxes). Wall samples were generally collected between heights of approximately 3 to 5 feet above the floor from fibrous insulation.

Analysis of the samples was performed following modified Method SW846 3050B/6010C/OSHA 125G ICP BULK for the bulk samples, and modified SW846 3051A/3050B/6010C/NIOSH9102 ICP LD for the wipe samples, at the American Industrial Hygiene Association-accredited laboratory, SGS Galson Laboratories, East Syracuse, New York. The sampling media and templates were provided by SGS Galson Laboratories.

4.0 RESULTS

Information about each sample, including the sampling parameters, laboratory analytical results, analytical method, applicable exposure limit, and comments, is referenced in Attachment A. The laboratory analytical report is provided in Attachment B. Bulk sample results are reported in milligrams per kilogram, while wipe sample results are reported in micrograms per cubic centimeter in the laboratory analytical report. The wipe sample results were converted to micrograms per 100 cubic centimeters, as reported in Attachment A, to facilitate comparison against screening criteria.

The bulk sample results were compared against Ohio Environmental Protection Agency generic direct-contact standards for lead in a commercial/industrial land use setting per Ohio Administrative Code 3745-300-08(C)(3)(f).

The Occupational Safety and Health Administration standard (29 Code of Federal Regulations 1910.1025(h)) for lead requires "all surfaces shall be maintained as free as practicable of accumulations of lead." Wipe sample results were compared against the non-lead operational area acceptable surface levels, e.g., "areas where metals are not routinely handled and personal hygiene control practices are not in-place (e.g. eating and drinking are allowed; hand washing is not expected on exit of the area)" published by the Brookhaven National Laboratory, Surface Wipe Sampling Procedure Number IH75190 (Revision March 4, 2014).

Considering our observations, combined with the analytical results obtained from the collected samples, it is to our professional opinion that the lead dust detected in the wipe samples collected by EnSafe is the result of releases and/or spills resulting from the operations historically conducted by Closed Loop.

5.0 DISCLAIMER

This report is for the sole use of Olymbec and their legal representatives. Use of this report by any other party will be at such party's sole risk, and EnSafe disclaims liability for any such use or reliance by third parties. The results presented in this report are indicative of conditions at the time of the assessment. This study does not purport to include every safety or health hazard at this location, and only those areas and exposures specifically mentioned were evaluated. EnSafe disclaims liability for Olymbec's safety beyond the content of this report. EnSafe prepared this report based upon the direction and information provided by Olymbec, and shall not assume responsibility for misinformation that EnSafe could not reasonably determine was incorrect at the time of the performance of work.

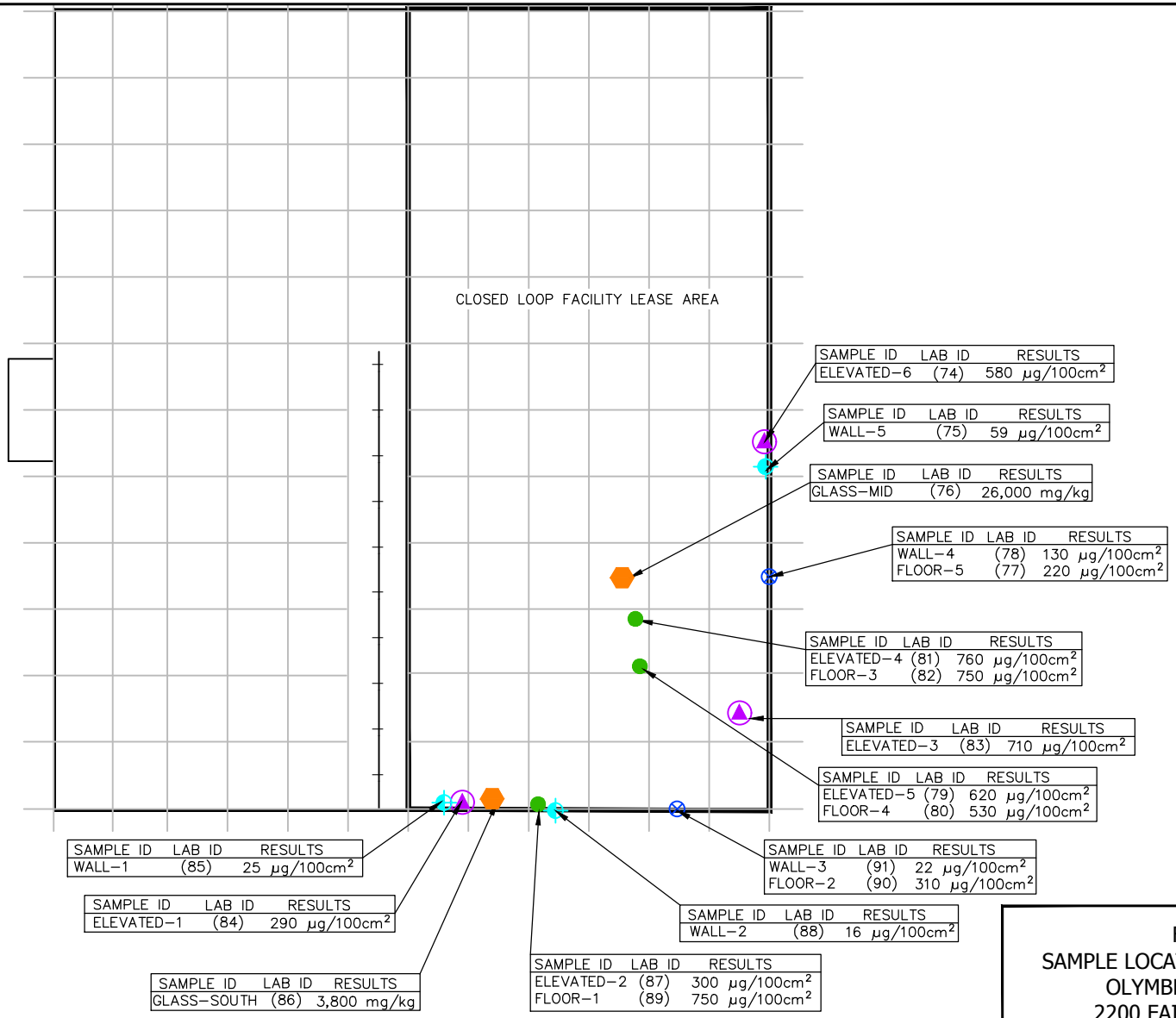

FIGURE 1
SAMPLE LOCATIONS AND DATA MAP
OLYMBEC WAREHOUSE
2200 FAIRWOOD AVENUE
COLUMBUS, OHIO

LEGEND

- ELEVATED AND FLOOR WIPE SAMPLE LOCATION
- ELEVATED SAMPLE LOCATION
- BULK GLASS SAMPLE LOCATION
- BULK INSULATION AND FLOOR WIPE SAMPLE LOCATION
- BULK INSULATION SAMPLE LOCATION

mg/kg MILLIGRAMS PER KILOGRAMS
µg/100cm² MICROGRAMS PER 100 CENTIMETERS SQUARED
(88) LAB IDENTIFICATION NUMBER

REQUESTED BY:	KL
DRAWN BY:	KMB
DATE:	08/28/2017
PROJECT:	0888821243

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Attachment A
Bulk and Wipe Sampling Results

TABLE 1

SUMMARY OF ANALYTICAL RESULTS

OLYMBEC USA LLC
COLUMBUS, OHIO

Sample Description	Laboratory Sample ID	Screening Value	Sample Result	Units
Bulk Broken Glass on Floor				
Glass- Warehouse South	17-0187586	1,800	**3,800**	mg/kg
Glass- Warehouse Mid	17-0187576	1,800	**26,000**	mg/kg
Wipe Samples				
Elevated-1	17-0187584	40	**290**	µg/100 cm²
Elevated-2	17-0187587	40	**300**	µg/100 cm²
Elevated-3	17-0187583	40	**710**	µg/100 cm²
Elevated-4	17-0187581	40	**760**	µg/100 cm²
Elevated-5	17-0187579	40	**620**	µg/100 cm²
Elevated-6	17-0187574	40	**580**	µg/100 cm²
Floor-1	17-0187589	40	**750**	µg/100 cm²
Floor-2	17-0187590	40	**310**	µg/100 cm²
Floor-3	17-0187582	40	**750**	µg/100 cm²
Floor-4	17-0187580	40	**530**	µg/100 cm²
Floor-5	17-0187577	40	**220**	µg/100 cm²
Wall-1	17-0187585	40	25	µg/100 cm²
Wall-2	17-0187588	40	16	µg/100 cm²
Wall-3	17-0187591	40	22	µg/100 cm²
Wall-4	17-0187578	40	**130**	µg/100 cm²
Wall-5	17-0187575	40	**59**	µg/100 cm²

Notes:

Samples were collected by EnSafe Inc. and analyzed by SGS Galson Laboratories, East Syracuse, New York Broken glass bulk samples were analyzed according to modified Method SW846 3050B/6010C/OSHA 125G ICP BULK. Wipe samples were analyzed according to modified Method SW846 3051A/3050B/6010C/NIOSH9102 ICP LD.

Broken Glass Screening Value: Commercial/Industrial Land Use Generic Direct Contact Standard per Ohio Administrative Code 3745-300-08(C)(3)(f).

Wipe Sample Screening Value: Brookhaven National Laboratory non-lead operation area acceptable surface level criteria. Surface Wipe Sampling Procedure Number IH75190 (March 4, 2014)

mg/kg = milligrams per kilogram

µg/100 cm² = micrograms per 100 square centimeters

Boxed bold values = Exceeds screening criteria

Attachment B
Laboratory Analytical Results

SGS GALSON

Mr. Mike Przybylski
EnSafe, Inc.
525 Vine Street
Suite 1755
Cincinnati, OH 45202

July 28, 2017

DOH ELAP #11626
AIHA-LAP #100324

Account# 13497

Login# L413286

Dear Mr. Przybylski:

Enclosed are the analytical results for the samples received by our laboratory on July 21, 2017. All test results meet the quality control requirements of AIHA-LAP and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. When possible, non-IOM samples will be retained for 14 days following the date of this report (unless an extension is specifically requested). IOM samples are retained for 7 days.

Current Scopes of Accreditation can be viewed at www.galsonlabs.com in the accreditations section under the "about Galson" tab.

Please contact Tonya Lancaster at (888) 432-5227, if you would like any additional information regarding this report. Thank you for using SGS Galson Laboratories.

Sincerely,

SGS Galson Laboratories

Lisa Swab
Laboratory Director

Enclosure(s)

Galson Laboratories, Inc. is now a part of SGS, the world's leading inspection, verification, testing, and certification company. As part of our transition to SGS, you will begin to see some formatting changes with reports that will improve the presentation of data and allow for the transition to the new logo.

SGS GALSON

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

LABORATORY ANALYSIS REPORT

Client : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001
Date Sampled : 20-JUL-17
Date Received : 21-JUL-17

Account No.: 13497
Login No. : L413286
Date Analyzed : 26-JUL-17 - 27-JUL-17
Report ID : 1009499

Lead

Sample ID	Lab ID	Weight g	Total ug	Conc mg/kg
17-0187586	L413286-6	0.13	480	3800
17-0187576	L413286-16	0.12	3300	26000

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 20. mg/kg
Analytical Method : mod. SW846 3050B/ 6010C/ OSHA 125G ICP BULK
OSHA PEL : NA
Collection Media : Bulk

Submitted by: SJW/JPA
Approved by : JJL/KEG
Date : 28-JUL-17
Supervisor: KEG

NYS DOH # : 11626
QC by: NDC

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million

SGS GALSON

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

LABORATORY ANALYSIS REPORT

Client : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001
Date Sampled : 20-JUL-17
Date Received : 21-JUL-17

Account No.: 13497
Login No. : L413286
Date Analyzed : 25-JUL-17
Report ID : 1009217

Lead

Sample ID	Lab ID	Area cm2	Total ug	Conc ug/cm2
17-0187591	L413286-1	100	22	0.22
17-0187590	L413286-2	100	310	3.1
17-0187589	L413286-3	100	750	7.5
17-0187588	L413286-4	100	16	0.16
17-0187587	L413286-5	100	300	3.0
17-0187585	L413286-7	100	25	0.25
17-0187584	L413286-8	100	290	2.9
17-0187583	L413286-9	100	710	7.1
17-0187582	L413286-10	100	750	7.5
17-0187581	L413286-11	100	760	7.6
17-0187580	L413286-12	100	530	5.3
17-0187579	L413286-13	100	620	6.2
17-0187578	L413286-14	100	130	1.3
17-0187577	L413286-15	100	220	2.2
17-0187575	L413286-17	100	59	0.59
17-0187574	L413286-18	100	580	5.8

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 1.3 ug
Analytical Method : mod. SW846 3051A/3050B/6010C/NIOSH9102 ICP LD
OSHA PEL : NA
Collection Media : Lead Wipe

Submitted by: SJW/JPA
Approved by : KEG
Date : 26-JUL-17
Supervisor: KEG

NYS DOH # : 11626
QC by: NDC

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million

SGS GALSON

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East Syracuse, NY 13057
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FAX: (315) 437-0571
www.galsonlabs.com

LABORATORY FOOTNOTE REPORT

Client Name : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001

Date Sampled : 20-JUL-17 Account No.: 13497
Date Received: 21-JUL-17 Login No. : L413286
Date Analyzed: 25-JUL-17 - 27-JUL-17

Unless otherwise noted below, all quality control results associated with the samples were within established control limits or did not impact reported results.

Note: The findings recorded within this report were drawn from analysis of the sample(s) provided to the laboratory by the Client (or a third party acting at the Client's direction). The laboratory does not have control over the sampling process. The findings herein constitute no warranty of the samples' representativeness of any sampled environment and strictly relate to the samples as they were presented to the laboratory.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

Unless otherwise noted below, reported results have not been blank corrected for any field blank or method blank.

L413286 (Report ID: 1009499):
Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.
SOPs: MT-SOP-9(32), MT-SOP-5(22)
Level of quantitation varies with actual sample mass used for preparation.
Samples are digested and analyzed as received unless specified otherwise.

L413286 (Report ID: 1009499):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
Lead	+/-9.5%	96.4%

L413286 (Report ID: 1009217):
Reported results reflect elemental analysis of the requested metals. Certain

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms ppm -Parts per Million
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ND -Not Detected NA -Not Applicable

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FAX: (315) 437-0571
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LABORATORY FOOTNOTE REPORT

Client Name : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001

Date Sampled : 20-JUL-17 Account No.: 13497
Date Received: 21-JUL-17 Login No. : L413286
Date Analyzed: 25-JUL-17 - 27-JUL-17

L413286 (Report ID: 1009217):
compounds may not be solubilized during digestion, resulting in data that is biased low.
SOPs: MT-SOP-9(32), im-mwvleadwp(22)

L413286 (Report ID: 1009217):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
Lead	+/-22.4%	101%

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms ppm -Parts per Million
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ND -Not Detected NA -Not Applicable

L413 ~~280~~ GT L4132826

Countertop

SGS GALSON

787244958705
Date:07/21/17
Shipper:FEDEX
Initials:KMS
Prep:UNKNOWN

☐ New Client?

Report To*: Mike Przybylski/Kevin Losekamp/Ned Baker
EnSafe
525 Vine St ste1755
Cinti, OH 45202

Invoice To*: EnSafe

Client Account No.*:

Phone No.*: 513 621 7233 | Phone No.:

Cell No.: | Email:

Email Results To: | Purchase Order No.:

Email Address: | Credit Card: ☐ Credit Card on File ☐ Call for Credit Card Info

☐ Samples submitted using the FreePumpLoan™ Program. ☐ Samples submitted using the FreeSamplingBadges™ Program.

Need Results By*:	(surcharge)
☒ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name: Olymbec Warehouse – Columbus, OH Project: 0888821243-001 Sampled By: EnSafe

Comments:

List description of industry or process/interferences present in sampling area:

State samples were collected in (ex. NY): OH

Please indicate which OEL this data will be used for: ☐ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA ☐ MSHA ☐ Other (specify):

Sample Identification* (Maximum of 20 characters, ID's longer than 20 characters will be abbreviated.)	Date Sampled* (mm/dd/yy)	Collection Medium	Sample Volume, Sample Time, or Sample Area*	Sample Units*: L, ml, min., in2, cm2, ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (ex. welding, plating, painting, etc.)*
Example	01/01/11	2pc UW PVC	960	L	Hexavalent Chromium (Cr6)	mod. OSHA ID-215	Welding
17-0187591	7-20-17	wipe	100	cm2	Lead	SW846...	
90	↓	↓	↓	↓	↓	↓	
89							
88							
87							
86		Bulk	~	–			
85							
84							
83							
82							

^Galson Laboratories will substitute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☐ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ please indicate if the lower LOQ is required (only available for certain analytes see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)*:

Chain of Custody	Print Name/Signature	Date/Time		Print Name/Signature	Date/Time
Relinquished by:	MPrzybylski	7-20-17	Received by:	Kris Stone Kris Stone	7/21/17 11:34
Relinquished by:			Received by:		

Samples received after 3pm will be considered as next day's business.

*Required fields, failure to complete these fields may result in a delay in your samples being processed.

Page 1 of 1

LAB ORIGINAL

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East Syracuse, NY 13057-9672
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888-432-5227
Fax: 315-437-0571
www.galsonlabs.com

☐ New Client?

Report To* : | Invoice To* :

Client Account No.* : See Pg 1 | See Pg 1

Phone No.* : | Phone No. :

Cell No. : | Email :

Email Results To : | Purchase Order No. :

Email Address : | Credit Card : ☐ Credit Card on File ☐ Call for Credit Card Info

☐ Samples submitted using the FreePumpLoan™ Program. ☐ Samples submitted using the FreeSamplingBadges™ Program.

Need Results By*:	(surcharge)
☒ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : | Project : | Sampled By :

Comments:

List description of industry or process/interferences present in sampling area:

State samples were collected in (ex. NY):

Please indicate which OEL this data will be used for:
☐ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA
☐ MSHA ☐ Other (specify):

Sample Identification* (Maximum of 20 characters, ID's longer than 20 characters will be abbreviated.)	Date Sampled* (mm/dd/yy)	Collection Medium	Sample Volume, Sample Time, or Sample Area*	Sample Units*: L, ml, min., in2, cm2, ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (ex. welding, plating, painting, etc.)*
Example	01/01/11	2pc UW PVC	960	L	Hexavalent Chromium (Cr6)	mod. OSHA ID-215	Welding
17-087581	7-20-17	wipe	100	cm2	Lead	SW846...	
80							
79							
78							
77							
76		Bulk					
75							
74							

^Galson Laboratories will substitute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☐ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ please indicate if the lower LOQ is required (only available for certain analytes see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)*:

Chain of Custody	Print Name/Signature	Date/Time		Print Name/Signature	Date/Time
Relinquished by :	[signature]	7-20-17	Received by:	Kris Stone [signature]	7/21/17 11:34
Relinquished by :			Received by:		

Samples received after 3pm will be considered as next day's business.
***Required fields, failure to complete these fields may result in a delay in your samples being processed.**

Page 2 of 2

LAB ORIGINAL

V - SECTION 2

SGS GALSON

Mr. Mike Przybylski
EnSafe, Inc.
525 Vine Street
Suite 1755
Cincinnati, OH 45202

September 15, 2017

DOH ELAP #11626
AIHA-LAP #100324

Account# 13497

Login# L413286

Dear Mr. Przybylski:

Enclosed are the revised analytical results for the samples received by our laboratory on July 21, 2017. Please note that this revision cancels and supersedes L413286 (report reference: 1) dated July 28, 2017 issued by SGS Galson Laboratories. Per your request, additional analysis for Phosphorus has been added for the selected samples and recorded on the attached chain of custody. All test results meet the quality control requirements of AIHA-LAP and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory.

Current Scopes of Accreditation can be viewed at www.galsonlabs.com in the accreditations section under the "about Galson" tab.

Please contact Tonya Lancaster at (888) 432-5227, if you would like any additional information regarding this report. Thank you for using SGS Galson Laboratories.

Sincerely,

SGS Galson Laboratories

Lisa Swab
Laboratory Director

Enclosure(s)

Galson Laboratories, Inc. is now a part of SGS, the world's leading inspection, verification, testing, and certification company. As part of our transition to SGS, you will begin to see some formatting changes with reports that will improve the presentation of data and allow for the transition to the new logo.

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LABORATORY ANALYSIS REPORT

Client : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001
Date Sampled : 20-JUL-17
Date Received : 21-JUL-17

Account No.: 13497
Login No. : L413286
Date Analyzed : 25-JUL-17
Report ID : 1009217

Lead

Sample ID	Lab ID	Area cm2	Total ug	Conc ug/cm2
17-0187591	L413286-1	100	22	0.22
17-0187590	L413286-2	100	310	3.1
17-0187589	L413286-3	100	750	7.5
17-0187588	L413286-4	100	16	0.16
17-0187587	L413286-5	100	300	3.0
17-0187585	L413286-7	100	25	0.25
17-0187584	L413286-8	100	290	2.9
17-0187583	L413286-9	100	710	7.1
17-0187582	L413286-10	100	750	7.5
17-0187581	L413286-11	100	760	7.6
17-0187580	L413286-12	100	530	5.3
17-0187579	L413286-13	100	620	6.2
17-0187578	L413286-14	100	130	1.3
17-0187577	L413286-15	100	220	2.2
17-0187575	L413286-17	100	59	0.59
17-0187574	L413286-18	100	580	5.8

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 1.3 ug
Analytical Method : mod. SW846 3051A/3050B/6010C/NIOSH9102 ICP LD
OSHA PEL : NA
Collection Media : Lead Wipe

Submitted by: SJW/JPA
Approved by : KEG
Date : 12-SEP-17
Supervisor: KEG

NYS DOH # : 11626
QC by: NDC

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million

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LABORATORY ANALYSIS REPORT

Client : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001
Date Sampled : 20-JUL-17
Date Received : 21-JUL-17

Account No.: 13497
Login No. : L413286
Date Analyzed : 26-JUL-17 - 27-JUL-17
Report ID : 1009499

Lead

Sample ID	Lab ID	Weight g	Total ug	Conc mg/kg
17-0187586	L413286-6	0.13	480	3800
17-0187576	L413286-16	0.12	3300	26000

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 20. mg/kg
Analytical Method : mod. SW846 3050B/ 6010C/ OSHA 125G ICP BULK
OSHA PEL : NA
Collection Media : Bulk

Submitted by: SJW/JPA
Approved by : JJL/KEG
Date : 28-JUL-17
Supervisor: KEG

NYS DOH # : 11626
QC by: NDC

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million

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LABORATORY ANALYSIS REPORT

Client : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001
Date Sampled : 20-JUL-17
Date Received : 21-JUL-17

Account No.: 13497
Login No. : L413286
Date Analyzed : 25-JUL-17
Report ID : 1017815

Phosphorus

	Sample ID	Lab ID	Area cm2	Total ug	Conc ug/cm2
!	17-0187591	L413286-1	100	77	0.77
!	17-0187590	L413286-2	100	150	1.5
!	17-0187589	L413286-3	100	140	1.4
!	17-0187588	L413286-4	100	<50	<0.50
!	17-0187587	L413286-5	100	390	3.9
!	17-0187585	L413286-7	100	110	1.1
!	17-0187584	L413286-8	100	360	3.6
!	17-0187583	L413286-9	100	310	3.1
!	17-0187582	L413286-10	100	<50	<0.50
!	17-0187581	L413286-11	100	250	2.5
!	17-0187580	L413286-12	100	100	1.0
!	17-0187579	L413286-13	100	210	2.1
!	17-0187578	L413286-14	100	180	1.8
!	17-0187577	L413286-15	100	68	0.68
!	17-0187575	L413286-17	100	72	0.72
!	17-0187574	L413286-18	100	210	2.1

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 50. ug
Analytical Method : mod. NIOSH 7300/mod. OSHA ID-125G; ICP
OSHA PEL : NA
Collection Media : Lead Wipe

Submitted by: SJW/JPA
Approved by : KEG
Date : 15-SEP-17
Supervisor: KEG

NYS DOH # : 11626
QC by: NDC

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million

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LABORATORY ANALYSIS REPORT

Client : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001
Date Sampled : 20-JUL-17
Date Received : 21-JUL-17

Account No.: 13497
Login No. : L413286
Date Analyzed : 26-JUL-17
Report ID : 1017827

Phosphorus

	Sample ID	Lab ID	Weight g	Total ug	Conc mg/kg
@	17-0187586	L413286-6	0.13	<50	<400
@	17-0187576	L413286-16	0.12	<50	<400

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 400. mg/kg
Analytical Method : mod. SW846 3050B/ 6010C/ OSHA 125G ICP BULK
OSHA PEL : NA
Collection Media : Bulk

Submitted by: SJW/JPA
Approved by : KEG
Date : 12-SEP-17
Supervisor: KEG

NYS DOH # : 11626
QC by: NDC

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million

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FAX: (315) 437-0571
www.galsonlabs.com

Client Name : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001

Date Sampled : 20-JUL-17 Account No.: 13497
Date Received: 21-JUL-17 Login No. : L413286
Date Analyzed: 25-JUL-17 - 27-JUL-17

Unless otherwise noted below, all quality control results associated with the samples were within established control limits or did not impact reported results.

Note: The findings recorded within this report were drawn from analysis of the sample(s) provided to the laboratory by the Client (or a third party acting at the Client's direction). The laboratory does not have control over the sampling process. The findings herein constitute no warranty of the samples' representativeness of any sampled environment and strictly relate to the samples as they were presented to the laboratory.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

Unless otherwise noted below, reported results have not been blank corrected for any field blank or method blank.

L413286 (Report ID: 1009499):
Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.
SOPs: MT-SOP-9(32), MT-SOP-5(22)
Level of quantitation varies with actual sample mass used for preparation.
Samples are digested and analyzed as received unless specified otherwise.

L413286 (Report ID: 1009499):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
Lead	+/-9.5%	96.4%

L413286 (Report ID: 1017827):
Reported results reflect elemental analysis of the requested metals. Certain

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms ppm -Parts per Million
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ND -Not Detected NA -Not Applicable

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FAX: (315) 437-0571
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LABORATORY FOOTNOTE REPORT

Client Name : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001

Date Sampled : 20-JUL-17 Account No.: 13497
Date Received: 21-JUL-17 Login No. : L413286
Date Analyzed: 25-JUL-17 - 27-JUL-17

L413286 (Report ID: 1017827):
compounds may not be solubilized during digestion, resulting in data that is
biased low.
SOPs: MT-SOP-9(32), MT-SOP-5(22)

@L413286 (Report ID: 1017827):
Phosphorus results were requested after the samples had been disposed and reanalysis was no longer possible.
Phosphorus results recovered above the calibration limit for the Blank Spike and Blank Spike Duplicate.
Phosphorus analysis has not been evaluated for this media. LOQ may not be applicable, as it was derived from studies
performed using 37mm MCE filters. Reported results should be considered estimated.

Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the
media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process.
The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient
data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
Phosphorus	+/-NA%	NA%

L413286 (Report ID: 1009217):
Reported results reflect elemental analysis of the requested metals. Certain
compounds may not be solubilized during digestion, resulting in data that is
biased low.
SOPs: MT-SOP-9(32), im-mwvleadwp(22)

L413286 (Report ID: 1009217):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the
media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process.
The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient
data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
Lead	+/-22.4%	101%

L413286 (Report ID: 1017815):
Reported results reflect elemental analysis of the requested metals. Certain

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms ppm -Parts per Million
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ND -Not Detected NA -Not Applicable

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FAX: (315) 437-0571
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LABORATORY FOOTNOTE REPORT

Client Name : EnSafe
Site : Olymbec Warehouse-Columbus, OH
Project No. : 0888821243-001

Date Sampled : 20-JUL-17 Account No.: 13497
Date Received: 21-JUL-17 Login No. : L413286
Date Analyzed: 25-JUL-17 - 27-JUL-17

L413286 (Report ID: 1017815):
compounds may not be solubilized during digestion, resulting in data that is biased low.
SOPs: MT-SOP-9(32), im-mwvfilt(28)

!L413286 (Report ID: 1017815):
Phosphorus results were requested after the samples had been disposed and reanalysis was no longer possible.
Phosphorus results recovered above the calibration limit for the Blank Spike and Blank Spike Duplicate.
Phosphorus analysis has not been evaluated for this media. LOQ may not be applicable, as it was derived from studies performed using 37mm MCE filters. Reported results should be considered estimated.

L413286-5,8-9,11 (Report ID: 1017815):
Phosphorus results were above the calibration limit.

Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
Phosphorus	+/-NA%	NA%

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms ppm -Parts per Million
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ND -Not Detected NA -Not Applicable

~~LH13 370~~ GT LH132826

COUNTER TOP

SGS GALSON

787244958705
Date:07/21/17
Shipper:FEDEX
Initials:KMS
Prep:UNKNOWN

☐ New Client?

Report To*: Mike Przybylski / Kevin Losekamp / Ned Baker
EnSafe
525 Vine St ste1755
Cinti, OH 45202

Client Account No.*:

Phone No.*: 513 621 7233

Cell No.:

Email Results To:

Email Address:

Invoice To*: EnSafe

Phone No.:

Email:

Purchase Order No.:

Credit Card: ☐ Credit Card on File ☐ Call for Credit Card Info

☐ Samples submitted using the FreePumpLoan™ Program.
☐ Samples submitted using the FreeSamplingBadges™ Program.

Need Results By*:	(surcharge)
☒ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name: Olymbec Warehouse - Columbus, OH Project: 0888821243-001 Sampled By: EnSafe

Comments:

List description of industry or process/interferences present in sampling area:

State samples were collected in (ex. NY): OH

Please indicate which OEL this data will be used for: ☐ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA ☐ MSHA ☐ Other (specify):

Sample Identification* (Maximum of 20 characters, ID's longer than 20 characters will be abbreviated.)	Date Sampled* (mm/dd/yy)	Collection Medium	Sample Volume, Sample Time, or Sample Area*	Sample Units*: L, ml, min., in2, cm2, ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (ex. welding, plating, painting, etc.)*
Example	01/01/11	2pc UW PVC	960	L	Hexavalent Chromium (Cr6)	mod. OSHA ID-215	Welding
17-0187591	7-20-17	wipe	100	cm2	Lead + Phosphorus	SW846...	
90					per client ZK 9/8/17		
89							
88							
87							
86		Bulk	~	–			
85							
84							
83							
82							

^Galson Laboratories will substitute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☐ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ please indicate if the lower LOQ is required (only available for certain analytes see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)*:

Chain of Custody	Print Name/Signature	Date/Time		Print Name/Signature	Date/Time
Relinquished by:	MPrzybylski	7-20-17	Received by:	Kris Stone Kris Stone	7/21/17 11:34
Relinquished by:			Received by:		

Samples received after 3pm will be considered as next day's business.
*Required fields, failure to complete these fields may result in a delay in your samples being processed.

Page 1 of 1

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☐ New Client?

Report To* : _____ Invoice To* : _____

Client Account No.* : See Pg 1 See Pg 1

Phone No.* : _____ Phone No. : _____

Cell No. : _____ Email : _____

Email Results To : _____ Purchase Order No. : _____

Email Address : _____ Credit Card : ☐ Credit Card on File ☐ Call for Credit Card Info

☐ Samples submitted using the FreePumpLoan™ Program. ☐ Samples submitted using the FreeSamplingBadges™ Program.

Need Results By*:	(surcharge)
☒ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : Project : Sampled By :

Comments:

List description of industry or process/interferences present in sampling area:

State samples were collected in (ex. NY):

Please indicate which OEL this data will be used for:
☐ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA
☐ MSHA ☐ Other (specify):

Sample Identification* (Maximum of 20 characters. ID's longer than 20 characters will be abbreviated.)	Date Sampled* (mm/dd/yy)	Collection Medium	Sample Volume, Sample Time, or Sample Area*	Sample Units*: L, ml, min., in2, cm2, ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (ex. welding, plating, painting, etc.)*
Example	01/01/11	2pc UW PVC	960	L	Hexavalent Chromium (Cr6)	mod. OSHA ID-215	Welding
17-0187581	7-20-17	wipe	100	cm2	Lead + Phosphorus ZK 9/8/17	SW846...	
80							
79							
78							
77							
76		Bulk					
75							
74							

^Galson Laboratories will substitute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☐ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ please indicate if the lower LOQ is required (only available for certain analytes see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)*:

Chain of Custody	Print Name/Signature	Date/Time		Print Name/Signature	Date/Time
Relinquished by :	[signature]	7-20-17	Received by:	Kris Stone [signature]	7/21/17 11:34
Relinquished by :			Received by:		

Samples received after 3pm will be considered as next day's business.
***Required fields, failure to complete these fields may result in a delay in your samples being processed.**

LAB ORIGINAL

TABLE 1

SUMMARY OF ANALYTICAL RESULTS

OLYMBEC USA LLC
COLUMBUS, OHIO

		Screening Values		Sample Results		
Sample Description	**Laboratory Sample ID**	**Lead**	**Phosphorous**	**Lead**	**Phosphorous***	**Units**
Bulk Broken Glass on Floor						
Glass- Warehouse South	17-0187586	1,800	Not Available	**3,800**	< 400	mg/kg
Glass- Warehouse Mid	17-0187576	1,800	Not Available	**26,000**	< 400	mg/kg
Wipe Samples						
Elevated-1	17-0187584	40	Not Available	**290**	360	µg/100 cm²
Elevated-2	17-0187587	40	Not Available	**300**	390	µg/100 cm²
Elevated-3	17-0187583	40	Not Available	**710**	310	µg/100 cm²
Elevated-4	17-0187581	40	Not Available	**760**	250	µg/100 cm²
Elevated-5	17-0187579	40	Not Available	**620**	210	µg/100 cm²
Elevated-6	17-0187574	40	Not Available	**580**	210	µg/100 cm²
Floor-1	17-0187589	40	Not Available	**750**	140	µg/100 cm²
Floor-2	17-0187590	40	Not Available	**310**	150	µg/100 cm²
Floor-3	17-0187582	40	Not Available	**750**	< 50	µg/100 cm²
Floor-4	17-0187580	40	Not Available	**530**	100	µg/100 cm²
Floor-5	17-0187577	40	Not Available	**220**	68	µg/100 cm²
Wall-1	17-0187585	40	Not Available	25	110	µg/100 cm²
Wall-2	17-0187588	40	Not Available	16	< 50	µg/100 cm²
Wall-3	17-0187591	40	Not Available	22	77	µg/100 cm²
Wall-4	17-0187578	40	Not Available	**130**	180	µg/100 cm²
Wall-5	17-0187575	40	Not Available	**59**	72	µg/100 cm²

Notes:

Samples were collected by EnSafe Inc. and analyzed by SGS Galson Laboratories, East Syracuse, New York Broken glass bulk samples were analyzed according to modified Method SW846 3050B/6010C/OSHA 125G ICP BULK. Wipe samples were analyzed according to modified Method SW846 3051A/3050B/6010C/NIOSH9102 ICP LD.
Broken Glass Screening Value: Commercial/Industrial Land Use Generic Direct Contact Standard per Ohio Administrative Code 3745-300-08(C)(3)(f).
Lead Wipe Sample Screening Value: Brookhaven National Laboratory non-lead operation area acceptable surface level criteria. Surface Wipe Sampling Procedure Number IH75190 (March 4, 2014)
Not Available = An applicable screening value is not available.
* = Phosphorous sample results are considered estimated values
mg/kg = milligrams per kilogram
µg/100 cm² = micrograms per 100 square centimeters
Boxed bold values = Exceeds screening criteria

APPENDIX VI

LEAD DUST REMEDIATION CONTRACTOR COST ESTIMATES/PROPOSALS

AZTEC
SERVICES GROUP, INC

An Alliance Partner of

Northstar Group Services

3814 William P. Dooley Bypass Cincinnati, Ohio 45223
P.513-541-2002 • F.513-541-2006

September 10, 2018

Mr. Kevin Donovan,
DEC ENVIRO
355 Rue Isabey
Saint-Laurent (Quebec) **Bid # 498289**
H4T1Y2

SUBJECT: Lead Contamination Clean-up and Stabilization @
OLYMBEC USA
2200 Fairwood Ave.
Columbus, OH

Aztec Services Group, Inc. (**ASG**) is pleased to present this proposal for the Clean-up and stabilization of the lead contamination located within the OLYMBEC USA Warehouse which is approximately 132,000 square foot structure.

SCOPE OF WORK FLOORAREA ONLY:

- Once existing contents of the building have been removed (by others) Aztec Services Group, Inc. personnel will clean the existing floor area to meet the OSHA acceptable Lead Level of 200ug/cm3.
- Waste Materials will be TCLP to determine the waste stream, for this project.
- If waste is determined to be Construction debris waste disposal is included in this price, if waste is determined to be Hazardous Waste the cost for this disposal will be charged at cost plus 18%.

BASE BID FLOOR AREA ONLY: $ 274,490.00

Add alternate # 1: Cleaning of existing ceiling area add **$ 396,000.00.**
Add alternate # 2: Cleaning of existing walls add **$ 170,000.00.**
Add alternate # 3: Cleaning of existing vertical beams add **$ 37,500.00.**

TOTAL COST FOR ALL WORK LISTED ABOVE $ 877,990.00

Mobilization: Mobilization includes the following: multiple mobilization per floor.

Staging of Supplies and Waste Dumpster: Supplies will be staged in a neat and orderly manner; Waste will be stored in a roll-off container located within a designated area on site.

Transportation and Disposal: Included in this proposal for construction debris.

Worker Protection: At a minimum, all **ASG** employees will wear: half face respirator during cleaning activities, disposable clothing, hard hats, safety glasses, steel toed boots, sleeves, and gloves.

SCOPE OF WORK:

- Prepare work area within the OLYMBEC USA area by installing 2 layers of 6-mil poly critical barriers.
- Introduce air filtration devices into the area
- Clean all items within the areas by washing, wet wiping and HEPA vacuuming the floor area
- Introduce scaffold or lifts to the work area to gain access to the ceiling if required.
- Clean the existing ceiling and walls within the work area by HEPA vacuuming if required.
- Apply a lead sealant (i.e. IAQ 6000®) to the floor, ceiling and walls, surfaces using spray techniques. (If required)
- Collect all debris. Perform TCLP test on materials collected to determine waste stream
- Final clean all surfaces within the work area
- Allow area to be cleared before turned over for re-occupancy

GOVERNING REGULATIONS: All work performed by **ASG** will be in accordance with written procedures, and all applicable laws, rules and regulations as prescribed by the EPA, OSHA, State of Ohio, and NIOSH.

ATTORNEY'S FEES: If a dispute arises relating to the performance of the services covered under this agreement, and legal or other cost are incurred, it is agreed that the prevailing party shall be entitled to recovery of all reasonable cost incurred in the prosecution or defense of a claim, including staff time at current billing rates, court cost, attorney's fees and other claim related expenses.

Neither ASG nor the client shall be liable to the other for any consequential losses or damages, whether arising in contract, warranty, tort (including negligence), strict liability or otherwise, including but not limited to loss of use, profits, business, reputation or financing.

QUALIFICATIONS:

- Bonding is **not** included in proposal
- Permits are **not** included in proposal
- Prevailing Wages are **not** included in proposal
- **All staff to be certified with Lead Awareness or LRRP training**
- Wipe testing to clear work areas is **not** included

- Electric, water and staging to be provided by the facility. Electrician to hook up **ASG** power panel to building electrical supply, if needed, to operate AFD equipment
- Site security by others
- All moveable objects should be removed prior to **ASG**'s mobilization (i.e. chairs, personal items, computers, computer screens, electrical equipment, Lead containing equipment stored in gaylord boxes, etc.).
- All waste shall be properly disposed or recycled
- Warrantees or guarantees for the delamination of the fireproofed surfaces are **not** included. Methods and products used to stabilize the remaining surfaces are specific for the application and are in accordance with current state-of-the-art procedures
- All new work by others
- Pricing assumes utilizing **ASG**'s standard insurance
- Pricing is based on reaching mutually agreeable contract terms and conditions

Owner/Owner Representative Responsibilities: The Owner or his designated agent is responsible for providing to **ASG** the following:

- Work to be performed during normal working hours unless specifically noted in scope
- Sanitary Facilities
- Parking for the work force.
- Provide electric and hook ASG power panels to existing building power.
- Natural gas to be provided BY OWNER if building needs to be heated.
- Clearance sampling by others.

TERMS OF PAYMENT: Mobilization, materials and insurance to be billed upon award. Subsequent payment requests to be submitted on the 20th of each month with payment due net-30 days. No retainages.

Acceptance of all terms and conditions of this proposal is required. All terms and conditions of the Proposal shall be included and incorporated in any final agreement between the parties. In the event that any term or condition of this proposal is not included in a final contract between the parties, such term or condition shall be deemed to be included or incorporated in the final agreement.

Thank you for this opportunity to submit our proposal on this project. If you have any questions or require additional information, please contact me at (513) 668-2525 or our office at (513) 541-2002.

Respectfully Submitted,
Aztec Services Group, Inc.
Thomas W. Coon
Thomas W. Coon
COO

ACCEPTANCE: The above **ASG** proposal including scope of work, procedures and terms and conditions is hereby accepted. **ASG** is authorized to proceed with the work as specified.

Accepted By:

Name: _____ Company: _____

Title: _____ Date: _____

PEGEX

Monday, September 10, 2018

DEC Enviro
Attn: Kevin Donovan
149B, rue Principale
Saint-Sauveur, QC
J0R 1R6

Dear Kevin,

PegEx, Inc. is pleased to present the following proposal to remediate lead dust contaminated walls, floors, ceiling and other surfaces at the 132,000sf warehouse facility in Columbus, Ohio located at 2200 Fairwood Avenue.

Presumptions
Warehouse will be free of all stored materials and stray debris prior to mobilization. Cleanup standards will be established prior to mobilization. This estimate is an order of magnitude estimate to be finalized once additional information is obtained.

Technical approach
We would develop and implement a Health and Safety Plan (HASP) for the site outlining protective measures for both personnel and facility. We will establish appropriate work zones to control cross contamination as the project progresses.

Because most of the walls and ceilings are insulated with blown on paper type insulation, dust is difficult to remove and be assured than entire surface is "clean". Therefore, we will physically remove the insulation from the walls and ceiling and collect in roll off boxes for landfill disposal. We will also be removing any dust from the falling debris from the floor daily to minimize migration.

Once the insulation is removed we will HEPA vac the ceiling trusses and any other horizontal surfaces that may hold dust. If necessary, we will power wash the walls. We will power wash the floors once all the "upper" work is complete.

Wipe samples will be obtained based on a developed sampling plan to determine any residual lead contamination if any and compare to the cleanup criteria that will have been set for the project. All contaminated insulation, PPE or other materials will be disposed of via landfill. Any waters collected will be disposed of at a licensed treatment facility.

Schedule
Anticipate a 45-day work schedule to complete all work. Additional time may be required based on the sampling results and the condition of the building prior to our mobilization. We prefer a 30-day notice to proceed to assemble the proper resources but can accommodate an accelerated start if necessary.

Sincerely,

Jonathan Schwid

Regional Sales Director

PegEx, Inc.
2693 Research Park Dr., Suite 201
Fitchburg, Wisconsin 53711
Phone: 888-681-9616 **Fax:** 888-893-5295 **Website:** www.pegex.com

QUOTE

PegEx, Inc. | Hazardous Waste Experts
2693 Research Park Drive, Suite 201
Fitchburg, WI. 53711
Tel: 888.681.9616

ACCOUNT #	UNKY-NQ
DATE	September 10, 2018
PEGEX JOB #	SHKI-OX
QUOTE #	SHKI-OX-8
PO #	

BILLING ADDRESS

DEC Enviro

149B, rue Principale
Saint-Sauveur, J0R 1R6
USA

PICK-UP ADDRESS

DEC Enviro

2200 Fairwood Ave
Columbus, OH 43207
USA

QUOTE PREPARED BY

Jonathan Schwid
jonathan.schwid@pegex.com
608-210-4215

ACCOUNTS PAYABLE CONTACT

QUOTE DETAILS

Type	Description	Qty.	Units	Unit Price	Extended Price
Crew and Equipment	Daily Cost for Crew and Equipment - Estimating 45 Days (Additional time may be required based on the sampling results and the condition of the building prior to our mobilization. Need for Power Washing of the Walls May Also Extend Duration)	45.0	Days	$13,541.00	$609,345.00
Disposal	Cost Per Yard - Insulation Contaminated with Lead Dust - Pending Profile Approval and Sample Analysis	1.0	Yards	$229.00	$229.00
Disposal	Cost Per 55gal Drum - Lead Dust Contaminated Solids	1.0	Drums	$208.00	$208.00
Disposal	Cost Per Gallon - Water With Lead Dust (Less Than 1% Solids) Cost Pending Profile Approval and Sample Analysis	1.0	Gallons	$1.18	$1.18
Roll-off Box	Cost Per Spot for 2 x 30 Yard Roll-off Boxes. Includes 7 Day Minimum Rental Fee	1.0	Each	$1,436.00	$1,436.00
Box Rental	Cost Per Day Box Rental After 7 Days	1.0	Days	$17.00	$17.00
Transportation	Transportation of Roll-off Boxes to Licensed Disposal Facility. Cost Per Trip. 1-2 Roll-off Boxes Per Trip.	1.0	Each	$2,451.00	$2,451.00

Transportation	Waste Transportation - Applied to Drum Pickup Only	1.0	Each	$625.00	$625.00
Vacuum Truck Services	Turbo Vac With Operator for Wash Water	1.0	Hours	$236.11	$236.11
PPE	Level C PPE - Per Shift Per Crew Member	1.0	Each	$104.00	$104.00
Testing	Wipe Sample - Lead Only. Additional Metals Will Require Further Testing at an Additional Cost	1.0	Each	$140.00	$140.00

Total (USD) **$614,792.29**

Quote Assumptions:

The above pricing is an estimate only, all estimates are based on information provided by the customer. The above said customer will be billed for those services, labor and materials necessary to complete this project only. Non-conforming or additional material may result in additional fees or surcharges. Final pricing will be based on the final waste shipped and loads needed to complete job. Proposed pricing is valid for 30 days.

Crew and Equipment at 45 days is an estimate. All other quantities above are pricing units, not quantities expected or estimated.

Quote Comments:

Please confirm the billing and pick-up addresses. Please add your accounts payable information

Quote and Pricing Conditions

This quote is made pursuant to and incorporates by reference the services agreement that is attached to this quote or IF NONE, the one that was previously signed by the parties. capitalized terms not defined in this quote have the meanings attributed to them in the services agreement.

By signing this document, I am granting permission to PegEx, Inc. and its affiliates and subcontractors to sign any and all waste characterization, waste profile, waste manifest and other waste paperwork on my behalf.

Signature: _____

Date: _____

Company: **DEC Enviro**

Name: **Kevin Donovan**

Title:

This Services Agreement (this "**Agreement**") is between PegEx, Inc., a Delaware corporation ("**PegEx**"), and the company listed in the billing address on the attached quote form ("**Customer**"), and is made and entered into as of the date listed in the attached quote (the "**Effective Date**").

1. Services.

1.1 Scope of the Services. PegEx shall perform the services described in the attached Quote and each subsequent Quote entered into between the parties (the "**Services**"). "**Quote**" means the document issued by PegEx pursuant to this Agreement that references this Agreement and specifies the services to be performed by or on behalf of PegEx and the corresponding fees to be paid by Customer. A Quote is deemed accepted by Customer if the Quote is signed by Customer or otherwise approved by Customer in writing or through an electronic or other communication.

1.2 Performance of the Services. PegEx shall perform the Services in a professional manner and in conformity with applicable laws. PegEx shall also maintain insurance of the type with the applicable policy limits that meet or exceed those required by applicable law for the Services. Upon Customer's request, PegEx shall provide Customer with copies of such records and certificates of insurance.

2. Compensation and Other Payments.

2.1 Compensation, Payment Terms, and Taxes. As consideration for the Services and other obligations under this Agreement, Customer shall pay to PegEx the amounts listed on the applicable PegEx invoice within 30 days of receipt of an invoice for the Services and fees described in such invoice, unless otherwise specified in the applicable Quote. Payments not made within such time period are subject to late charges equal to the lesser of (a) one and one-half percent (1.5%) per month of the overdue amount, or (b) the maximum amount permitted under law, plus in either case, costs of collection and if applicable reasonable attorneys' fees. Customer shall pay all sales and transfer taxes, if any, in connection with the Services, unless otherwise specified in the applicable Quote.

2.2 Expenses. Customer shall reimburse PegEx for all reasonable, ordinary and necessary out-of-pocket expenses incurred in the course of the performance of PegEx's duties and responsibilities under this Agreement.

2.3 Invoices. PegEx shall submit to Customer invoices setting forth (a) a description of the applicable Services rendered in reasonable detail and (b) if any, a listing and description of other fees and reimbursable expenses. PegEx shall submit all invoices to the Customer email address specified on the Quote and, if none, then the contact who authorized service.

3. Term and Termination. The term of this Agreement commences as of the Effective Date and continues until terminated. Either party may terminate this Agreement if the other party (a) commits a curable material breach or default of an obligation under this Agreement that is not remedied within fifteen days after the nonbreaching party provides written notice thereof, (b) commits a noncurable material breach or default of an obligation under this Agreement, or (c) files for bankruptcy, becomes insolvent, or becomes an involuntary participant in a bankruptcy proceeding, if such involuntary proceedings are not dismissed within 60 days after commencement. In addition, (x) either party may terminate this Agreement with 45 days prior notice to the other party, and (y) PegEx may terminate this Agreement upon notice to Customer in the event a subsequent Quote is not entered into within one year upon the completion of the Services from the previous Quote.

4. PegEx Representations, Warranties and Covenants.

4.1 Representations and Warranties. PegEx represents and warrants to Customer that PegEx is not under any pre-existing obligation, legal or otherwise, in conflict or in any way inconsistent with the provisions of this Agreement or with PegEx's undertaking of a relationship with Customer.

4.2 Nonsolicitation of PegEx Employees. During the Term and for twelve months thereafter, Customer shall not directly or indirectly through or with one or more other persons recruit or solicit for employment or other services any person who is an employee or independent contractor, or who was an employee or independent contractor at any time during the six months prior thereto, of PegEx for whom Customer had contact in connection with the Services. Nothing in this Agreement restricts Customer from using general means to solicit the general public not specifically targeting such employees and independent contractors.

4.3 Indemnification of Customer. Except as otherwise provided in this Agreement, PegEx shall defend Customer against any third party filed claim arising from PegEx's performance of the Services in violation of applicable law, excluding any claim arising from the negligence, willful misconduct or violation of applicable law by Customer, its directors, officers, employees or agents ("**Claim Against Customer**"), and shall indemnify Customer for the resulting costs and damages finally awarded against Customer to such third party by a court of competent jurisdiction or agreed to by PegEx in settlement. As a condition of receiving indemnification under this section, Customer must provide PegEx with (a) prompt written notice of the details related to the Claim Against Customer; (b) complete control over the defense and settlement of the Claim Against Customer (provided, that PegEx will not settle any Claim Against Customer without Customer's prior written permission, which will not be unreasonably withheld, delayed or conditioned, in the event the settlement does not release Customer from all liability pertaining to the Claim Against Customer); and (c) such assistance in connection with the defense and settlement of the Claim Against Customer as PegEx may reasonably request. The indemnification and related obligations contained in this section are limited to the extent provided in Section 8 (Limitation of Liability and Damages).

5. Confidentiality. In the course of this Agreement, PegEx and Customer may disclose to one another Confidential Information. Except as otherwise provided in this Agreement, the parties shall not disclose or permit access to the other party's Confidential Information, without the disclosing party's prior written permission. "**Confidential Information**" means all nonpublic information and material that from all the relevant circumstances should reasonably be assumed to be proprietary or otherwise confidential. Confidential Information of PegEx includes, but is not limited to, nonpublic information related to the details and components of the Services and the terms of this Agreement, including those related to pricing. Confidential Information does not include information that (a) is or becomes generally known to the public at any time by any means other than a breach of the obligations under this Agreement of a receiving party; (b) was previously received or known by the receiving party without restriction or received by the receiving party from a third party who had a lawful right without restriction to disclose such information; or (c) is independently developed by the receiving party. Each party's Confidential Information will remain the sole and exclusive property of that party. Each party shall treat as confidential and use measures that are reasonable, and at least as protective as those it uses to safeguard the confidentiality of its own Confidential Information (but in no event less than reasonable care), to preserve the confidentiality of any and all Confidential Information that it obtains from the other party. If a party is requested to disclose the Confidential Information of the other party in connection with a legal proceeding, subpoena, investigative demand, or other similar process, then such party shall promptly notify the other party and may disclose the Confidential Information in connection with such legal proceeding, subpoena, investigative demand, or other similar process. Each party acknowledges that due to the unique nature of the other party's Confidential Information, the disclosing party will not have an adequate remedy in money or damages in the event of any unauthorized use or disclosure of its Confidential Information. In addition to any other remedies that are available in law, in equity or otherwise, the disclosing party is entitled to seek injunctive relief to prevent unauthorized use or disclosure.

6. Customer Compliance.

6.1 Customer Status. Customer understands that performance of the Services significantly depends on, among other things, Customer's compliance with applicable law, the condition of Customer's waste material containers, and the conformity of the waste material with the specifications listed or referenced on the applicable Quote. Customer represents and warrants to PegEx that: (a) Customer holds clear title to all waste material, waste material containers, and any other materials that PegEx or its subcontractors handle, store, treat, process, or dispose of in connection with this Agreement; and (b) Customer is a

"Generator" pursuant to the Resource Conservation and Recovery Act, the Comprehensive Environmental Response, Compensation and Liability Act, and all other applicable laws. Customer acknowledges that neither PegEx nor its subcontractors assume the status of "Generator" pursuant to any applicable law. Title, risk of loss and all other incidents of ownership with respect to the waste material, waste material containers and any other materials transfers from Customer to the applicable PegEx subcontractor at the time such subcontractor begins loading the waste material onto its transportation vehicles or otherwise begins to take possession or control of the same. By entering into this Agreement, exercising its rights, or performing its obligations, PegEx does not and will not take title, risk of loss, or any other incident of ownership with respect to any waste material, waste material containers, or any other materials.

6.2 Suspension; Indemnification. PegEx may suspend, at its sole discretion, its performance of the Services (in whole or in part): (a) if the waste material does not conform to the specifications listed or referenced on the applicable Quote; (b) if the waste material containers are damaged or defective; (c) to prevent injury or damages to, or degradation of, PegEx or its subcontractors' property, people, or the environment; (d) to comply with any law, court order, or governmental request; or (e) if Customer violates the terms of this Agreement or applicable law. PegEx shall use reasonable efforts to provide Customer with notice before or promptly following any suspension of the Services. PegEx shall resume the Services as soon as the event giving rise to suspension has been resolved. PegEx may charge and Customer shall pay any fees relating to non-conforming waste, even if PegEx or its subcontractors provide no prior notice and even if such fees are not listed on a Quote. PegEx may also charge and Customer shall pay a cancellation fee equal to the lesser of $500 or the amount applicable to scheduled Services, if Customer requests the cancellation or rescheduling of such Services with notice to PegEx less than ten (10) calendar days prior to the originally scheduled date of such Services. Customer shall comply with applicable law and shall indemnify PegEx and its affiliates and their respective directors, officers, employees, agents, successors, and assigns from and against all claims, liabilities, losses, penalties, fines, damages and expenses (including, but not limited to, reasonable attorneys' fees) arising out of or relating to (i) Customer's negligence, willful misconduct or violation of applicable law; (ii) any nonconforming waste material provided by Customer; (iii) any defective or damaged waste containers of Customer; or (iv) the Services, to the extent that PegEx has complied with in all material respects its obligations under law and this Agreement.

7. Disclaimer of Warranties. EXCEPT AS PROVIDED IN SECTION 4.1 (REPRESENTATIONS AND WARRANTIES), TO THE EXTENT PERMITTED BY LAW, THE SERVICES DESCRIBED IN EACH QUOTE AND ANY OTHER SERVICES OR DELIVERABLES ARE PROVIDED "AS IS" AND "AS-AVAILABLE," WITH ALL FAULTS, AND WITHOUT WARRANTIES OF ANY KIND. PEGEX DISCLAIMS ALL OTHER WARRANTIES, EXPRESS AND IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT, QUALITY OF INFORMATION, AND TITLE. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY PEGEX, ITS SUBCONTRACTORS, OR ITS AUTHORIZED REPRESENTATIVES CREATES ANY OTHER WARRANTIES OR IN ANY WAY INCREASES THE SCOPE OF PEGEX'S OBLIGATIONS UNDER THIS AGREEMENT.

8. Limitation of Liability and Damages. NEITHER PEGEX NOR ITS SUBCONTRACTORS WILL HAVE ANY LIABILITY TO CUSTOMER OR ANY THIRD PARTY FOR ANY LOST PROFITS, SALES, BUSINESS, OR DATA, OR OTHER INCIDENTAL, CONSEQUENTIAL, OR SPECIAL LOSS OR DAMAGE, INCLUDING EXEMPLARY AND PUNITIVE DAMAGES, OF ANY KIND OR NATURE RESULTING FROM OR ARISING OUT OF THIS AGREEMENT, THE SERVICES, OR ANY OTHER SERVICES RENDERED OR DELIVERABLES PROVIDED UNDER THIS AGREEMENT, REGARDLESS OF WHETHER UNDER A CONTRACT, TORT, OR OTHER THEORY OF LIABILITY. THE TOTAL LIABILITY OF PEGEX AND ITS SUBCONTRACTORS TO CUSTOMER OR ANY THIRD PARTY ARISING OUT OF THIS AGREEMENT, THE SERVICES, AND ANY OTHER SERVICES RENDERED OR DELIVERABLES PROVIDED UNDER THIS AGREEMENT FOR ANY AND ALL CLAIMS OR TYPES OF DAMAGES WILL NOT EXCEED THE LESSER OF (A) THE TOTAL FEES PAID BY CUSTOMER UNDER THE APPLICABLE QUOTE; OR (B) $10,000; PROVIDED, HOWEVER, THAT THE TOTAL LIABILITY OF PEGEX AND ITS SUBCONTRACTORS TO CUSTOMER OR ANY THIRD PARTY FOR THE REPLACEMENT OF CUSTOMER-OWNED MATERIALS DAMAGED BY PEGEX OR ITS SUBCONTRACTORS WILL NOT EXCEED $1,000.

9. General Provisions.

9.1 Assignment; Delegation. Without the prior written consent of PegEx, Customer shall neither (a) assign, whether voluntarily or involuntarily, this Agreement or any of Customer's rights under this Agreement, nor (b) delegate any performance under this Agreement. Any purported assignment or delegation in violation of this section will be void. PegEx may assign this Agreement and any or all or any of its rights and delegate any or all of its obligations hereunder by providing notice thereof to Customer. This Agreement binds and benefits the parties and their respective heirs, executors, administrators, legal representatives, and permitted successors and assigns.

9.2 Governing Law. The laws of the State of Wisconsin govern all matters arising out of or relating to this Agreement, including, without limitation, its interpretation, construction, performance, and enforcement, without giving effect to such state's conflicts of law principles or rules of construction concerning the drafter hereof. The parties hereby irrevocably and unconditionally submit to the jurisdiction of the federal and state courts located in Dane County, Wisconsin for the purpose of any suit, action, or other proceeding arising out of or based upon this Agreement, which courts are the exclusive forum for any such suit, action, or other proceeding. The prevailing party in any such dispute may recover its reasonable attorneys' fees related to such dispute.

9.3 Notices. To be effective, any notice, consent, or communication required or permitted to be given in connection with this Agreement must be in writing and personally delivered or sent by messenger, fax, overnight courier, email, or certified mail and addressed to the address specified on the most recent Quote or invoice, to the attention of the persons listed therein. Each party shall promptly notify the other of any change to such party's address or contact information. All notices, consents, and communications are deemed delivered and received by the receiving party (i) if personally delivered or delivered by messenger, on the date of delivery or on the date delivery was refused, (ii) if delivered by fax transmission, upon receipt of fax confirmation of the party transmitting such fax, (iii) if delivered by overnight courier or certified mail, on the date of delivery as established by the return receipt, courier service confirmation, or similar documentation (or the date on which the courier or postal service, as applicable, confirms that acceptance of delivery was refused or undeliverable), or (iv) if emailed, the date on which the email is sent.

9.4 Amendments and Waivers. No amendment, rescission, or waiver related to this Agreement is effective unless it is in writing, references this Section 9.4, and is signed by both parties. No failure or delay in exercising any right or remedy or requiring the satisfaction of any condition under this Agreement, and no course of dealing between the parties, operates as a waiver or estoppel by PegEx of any right, remedy, or condition. A waiver made by PegEx in writing on one occasion is effective only in that instance and only for the purpose that it is given and is not to be construed as a waiver on any future occasion or against any other person. To the extent any course of dealing, act, omission, failure, or delay in exercising any right or remedy by PegEx under this Agreement constitutes the election of an inconsistent right or remedy, that election does not either constitute a waiver of any right or remedy or limit or prevent the subsequent enforcement by PegEx of any contract provision.

9.5 Severability. If any provision of this Agreement is held to be invalid, illegal, or unenforceable, the validity, legality and enforceability of the remaining provisions of this Agreement will not be affected or impaired. If any provision of this Agreement is held invalid, illegal, or unenforceable, the parties shall negotiate in good faith so as to replace each such invalid, illegal, or unenforceable provision with a valid, legal, and enforceable provision that will, in effect, most nearly and fairly achieve the effect of the invalid, illegal, or unenforceable provision and the intent of the parties in entering into this Agreement; provided that if the parties are unable to agree on a valid, legal, and enforceable substitute, the parties request that the court interpreting such invalid, illegal, or unenforceable provision, to modify such provision so that as modified the provision is valid,

legal, and enforceable and as consistent as possible with the intent of the parties as expressed in this Agreement.

9.6 Entire Agreement. This Agreement, together with the Quotes, constitutes the entire and final agreement between the parties. It is the complete and exclusive expression of the parties' agreement on the matters contained in this Agreement. All prior and contemporaneous negotiations, term sheets, letters, memoranda, and other discussions and agreements, either oral or in writing, between the parties on the matters contained in this Agreement are expressly merged into and superseded by this Agreement. No provision of this Agreement may be explained, supplemented, or qualified through evidence of trade usage or a prior course of dealings. In entering into this Agreement, neither party has relied on any statement, representation, warranty, or agreement of the other party except for those expressly contained in this Agreement. After the Effective Date, PegEx and Customer may exchange one or more other documents (collectively, "**Other Documents**") relating to the services PegEx may provide and the fees Customer may pay PegEx for such services that are in addition to or the substance of which may overlap with a Quote. Other Documents may or may not be signed by one or both parties. Regardless of whether signed, to the extent such Other Documents relate to matters covered by this Agreement or are otherwise related to the handling, storage, treatment, processing, or disposal of waste material generated by Customer, such Other Documents will not be binding on PegEx except to the extent expressly incorporated by reference in a Quote. In the event of a conflict between any Other Documents and this Agreement, this Agreement controls. In the event of a conflict between any Other Documents and a Quote, or in the event of a conflict between a Quote and this Agreement, the Quote controls.

9.7 Survival. Article 2 and Articles 6 through 9 survive the termination or expiration of this Agreement.

9.8 Headings. The descriptive headings of the articles, sections, and subsections of this Agreement are for convenience of reference only. They do not constitute a part of this Agreement and do not affect this Agreement's construction or interpretation.

9.9 Counterparts. If the parties sign a Quote in counterparts, each counterpart constitutes an original, and all counterparts, collectively, constitute only one agreement. The signatures of all the parties need not appear on the same counterpart, and delivery of a signed counterpart signature page by fax or other electronic transmission is as effective as signing and delivering an original.

9.10 Website Terms of Use. Customer acknowledges that PegEx may condition Customer's access to and use of PegEx's website and other electronic communications tools on acceptance of and compliance with the terms of use made available on such site or tool, the terms of which may be updated from time to time.

ENVIRONMENTAL MANAGEMENT SPECIALISTS INC
ENVIRONMENTAL, ENERGY & INDUSTRIAL SERVICES

Chicago • Cincinnati • Cleveland • Columbus• Chattanooga
Indianapolis • Philadelphia • Pittsburgh • Steubenville • Toledo • Zanesville

Customer:	Olymbec USA	**Contact:**	Kevin Donovan
	1004 E. Brooks Rd.,	**Phone:**	(514) 793-2433
	Memphis, TN	**Email:**	kevin@decenviro.com
Project Name:	Lead Dust Abatement	**Bid Date:**	11/16/2018
Project Address:	2200 Fairwood Ave. Columbus, OH	**Bid Type:**	Industrial Service

Scope of Work

- EMS will provide a six man crew, two manlifts and pressure washers, containment supplies, and PPE to complete lead dust impacted fiberglass
- EMS will complete abatement of walls, support columns, ceiling and floors using a pressure washer and wash/triple rinse methodology
- EMS will contain the waste in vacuum boxes on Site until waste characterization is complete. Waste may be discharged to POTW thought carbon filter.
- EMS will, when appropriate, use hand tools and wipes to remove lead dust from equipment, lights, and panels on Site.
- EMS assumes the following:
  - Confirmation sampling will be completed by Others. EMS can assist in collection where working at heights is required.
  - Sufficient power and water are available throughout the facility for equipment operation and charging.
  - Sanitary facilities are available for the duration of the work.
  - Wastes generated will be non-hazardous. If the waste are hazardous, additional cost will apply.
  - The facility will be free of obstructions and the area is clear for abatement work.

Item #	Description	Estimated Quantity	Units	Unit Cost	Line Item Cost
Lead Dust Abatement					
1.0	Mobilization & General Conditions	1	LUMP SUM	$ 12,475.00	$ 12,475.00
2.0	Labor and Equipment (Portal to Portal)	20	DAY	$ 4,925.00	$ 98,500.00
3.0	Waste Transportation	2	LOAD	$ 750.00	$ 1,500.00
4.0	Non-Hazardous Solid Waste Disposal	12	TONS	$ 65.00	$ 780.00
5.0	Non-Hazardous Liquid Waste Disposal	1500	GALLONS	$ 0.58	$ 870.00
6.0	Waste Characterization and Profiling	2	LUMP SUM	$ 975.00	$ 1,950.00
		Estimated Total		**$**	**116,075.00**
Carbon Treatment System					
1.0	Unit Mobilization	1	EACH	$ 500.00	$ 500.00
2.0	100GPM Unit Rental and Carbon Supply	1	MONTH	$ 2,785.00	$ 2,785.00
3.0	Unit Cleanout/Exchange	1	LUMP SUM	$ 1,250.00	$ 1,250.00
4.0	Unit Demobilization	1	EACH	$ 500.00	$ 500.00
		Estimated Total		**$**	**5,035.00**

Conditions

- This proposal is contingent upon credit approval and valid for thirty (30) days.
- EMS assumes that all work will be completed in one mobilization unless otherwise noted above.
- Above Unit Costs are based on disposal at an EMS preferred disposal facility. If Customer specifies the disposal facility, additional costs will apply.
- All disposal costs are based on disposal facility approval of the waste as profiled by EMS.
- 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.

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. Interest will accrue on any unpaid balances at the rate of one and one half percent (1.5%) per month or the maximum amount allowed by law, whichever is greater.

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: **Andy Gress**
Phone: (440) 816-1107
Email: agress@emsonsite.com

THE EMS DIFFERENCE

OUR CORE SERVICES

REMEDIATION
Hog-and-haul site remediation
Fueling station cleanup & UST removal
Gas & vapor barrier installation
Multi-faceted brownfield remediation
Wetland, stream & channel restoration
Sheet Piling
Landfill remediation
Hazardous soil & groundwater treatment
Impoundment pond & lagoon remediation

EMERGENCY RESPONSE
Railway, pipeline, roadway, & waterway spill response
OSRO for Facility Response Plans (FRPs)
24/7/365 dispatch for emergency service
HAZWOPER Training

TANK & UTILITY SERVICES
Tank cleaning (API tanks, frac tanks, pits, sumps, OWS, vessels...)
Product transfer & temporary storage
Tank decommissioning & demolition
Confined Space Entry (CSE) rescue teams
Line jetting
Air knifing & hydro-excavation
CSE training (mobile training vessel)

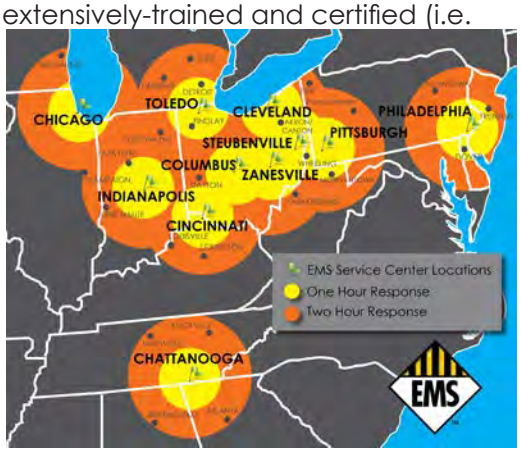
WASTE SERVICES
Integrated waste management services
Waste transport and disposal
Waste characterization & containerization
Drum waste "milk runs"
Vacuum truck/tanker services
Roll-off truck services
Vacuum and roll-off box rental
RCRA & DOT training

ABOUT EMS

Founded in 2000, **Environmental Management Specialists, Inc.** (EMS) is a professional environmental services company with strategically located service centers providing coverage across the Midwest, Mid-Atlantic, South-Central United States, 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 **0.64** 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, SafeLand, e-RailSafe, API, OQ, and an integrated functional training program to drive best-of-the-best performance).
4. ***QUALIFIED.*** EMS is pre-qualified by the contractor screening consortiums *ISNetworld, CCS, PEC Premier* and *Avetta*.
5. ***EXTENSIVE EXPERIENCE***. EMS is your one-stop-shop for a wide variety of high-quality 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. ***INTENTIONAL.*** EMS is deliberate in its continuous company-wide effort to ensure an **amazing customer experience** on every project through exceptional readiness, execution and documentation.
9. ***WASTE EXPERTS***. We containerize, document, and dispose of waste the right way, every time while providing hassle-free convenience to our customers.
10. ***OSRO CERTIFIED***. EMS is a United States Coast Guard-certified Oil Spill Removal Organization (*OSRO #473*).

ONE EMS CALL
(877) 816-9111
SCHEDULING & EMERGENCY RESPONSE ■ 24/7 DISPATCH

REGIONAL SERVICE CENTERS:
Cleveland (Headquarters) | Chattanooga | Chicago | Cincinnati | Columbus | Indianapolis | Philadelphia | Pittsburgh | Steubenville | Toledo | Zanesville

VISIT US ONLINE AT: www.EMSonsite.com

EMS SAFETY FIRST

SAFETY IS AT THE HEART OF OUR CORE VALUES

EMS has a deeply-ingrained safety program that is embraced across every level of our organization. As a result, we have never had a lost time accident in the history of the company, and we maintain an **Experience Modification Rating** (EMR) of **0.64**. Our program focuses on regular training, medical/drug screening, and site safety audits. In addition to our annual OSHA/EPA/DOT/HAZWOPER training, we maintain a wide variety of certifications, including **SafeLand**, **Pipeline Operator Qualified** (OQ), **Loss Prevention Systems** (LPS), **API Tank Entry Supervisor** (TES), and **API WorkSafe**. EMS is pre-qualified by the contractor screening consortiums ***ISNetworld***, ***CCS***, ***PEC Premier*** and ***Avetta***. We are also a certified hazardous waste transporter and U.S. Coast Guard **Oil Spill Response Organization** (OSRO #473).

#WeWorkSafe

Every Job, Every Day!

ONE EMS CALL

(877) 816-9111

SCHEDULING & EMERGENCY RESPONSE ◆ 24/7 DISPATCH

REGIONAL SERVICE CENTERS:

Cleveland (Headquarters) | Chattanooga | Chicago | Cincinnati | Columbus | Indianapolis | Philadelphia | Pittsburgh | Steubenville | Toledo | Zanesville

VISIT US ONLINE AT: www.EMSonsite.com

PRECISION
Environmental Co.

5500 Old Brecksville Road • Independence, Ohio 44131
(216) 642-6040 • fax (216) 642-6041
We are an equal opportunity employer

September 7, 2018

Mr. Kevin Donovan
DEC Enviro
149B, rue Principale
Saint-Sauveur, QC
J0R 1R6

Re: Olymbec USA – Columbus
Fairwood Avenue Facility
Lead Decontamination

Dear Mr. Donovan:

Thank you for the opportunity to provide our services. Precision Environmental proposes the following:

- Clean the lead and cadmium dust from the 2200 Fairwood Avenue warehouse 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 spray-applied, non-asbestos containing fireproofing will be removed from the walls and ceiling deck. This material will be characterized by TCLP for proper disposal.
- All contents will be removed by others prior to mobilization.

The following is understood:

- 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.
- No put back of fireproofing is included.
- The interior of any ducts, air handlers, gas unit heaters, etc. are not included.
- It is expected to take 16-18 weeks.
- Work hours would be Monday through Thursday, 10 hour days per day.
- Proof of the fireproofing sampling analysis for asbestos content will be provided to project start.
- No clearance levels are established for cleanliness.
- This proposal is valid for a term of 90 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:

- Above as described: **$1,707,000.00**
- ADD fireproofing waste disposal if hazardous based on TCLP Analysis: **$313,500.00**

If you require further information, please contact me at 216-642-6040.

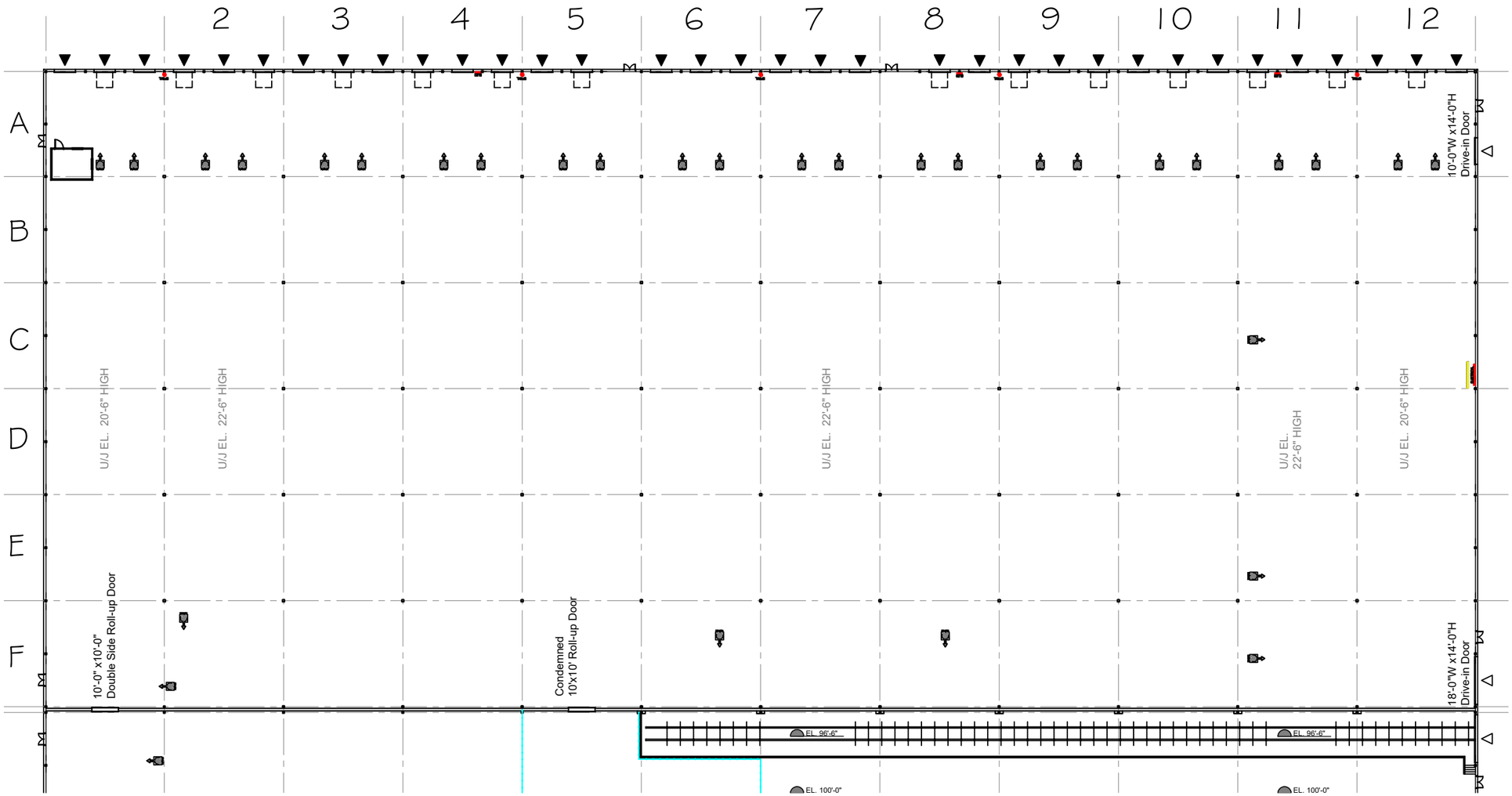
Sincerely,

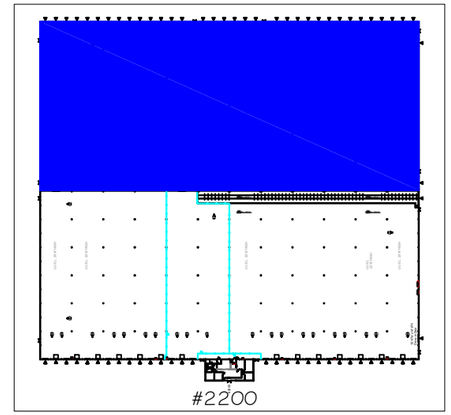
James Bower
Project Manager

JB:jv

APPENDIX VII

PLAN OUTLINING BAY NOMENCLATURE





KEY PLAN

DEC ENVIRO
149-B, RUE PRINCIPALE, SAINT-SAUVEUR, QC J0R 1R6
T 450 227 6177
F 450 227 5377
INFO@DECENVIRO.COM

INVENTORY ESTIMATE: CLOSED LOOP
LEASED SPACE
CLIENT: OLYMBEC DEVELOPMENT INC.

Project Name / Nom Du Project
2200 FAIRWOOD,
COLUMBUS, OHIO

Date:
JUNE,
2018

Drawn By / Dessin Par:
J.O.

Scale / Échelle
N.T.S

Plan No.:
18 3490.O.PHII-1

DEC ENVIRO

WWW.DECENVIRO.COM

149B, RUE PRINCIPALE, SAINT-SAUVEUR (QUÉBEC) J0R 1R6
T | 450.227.6177 Fl 450.227.5377 | INFO@DECENVIRO.COM

355, RUE ISABEY, SAINT-LAURENT (QUÉBEC) H4T 1Y2
T | 514.587.6177 Fl 450.227.5377 | INFO@DECENVIRO.COM

Laurentides/Laval (Siège social) : 450.227.6177 | Montréal : 514.587.6177
Québec : 418.317.6177 | Mont-Laurier : 819.508.6177

Appendix D
2015 AECOM Report — Selected Pages

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

AECOM

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

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

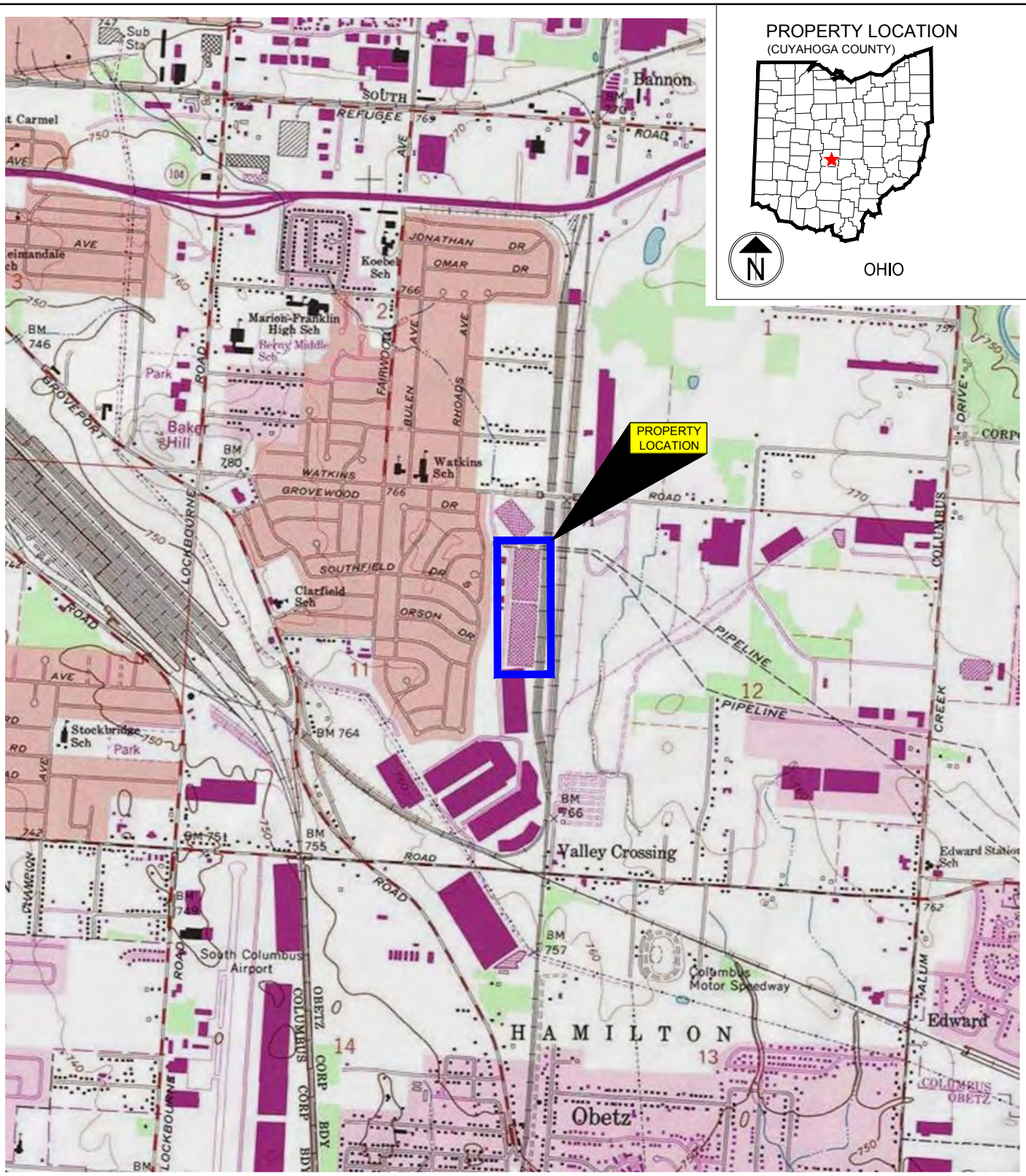
Concentration exceeds the VAP Commercial/Industrial Standard or TCLP limits.

(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**



USGS
SOUTHEAST COLUMBUS, OHIO

0 1000 2000
SCALE: 1"=2000'
N

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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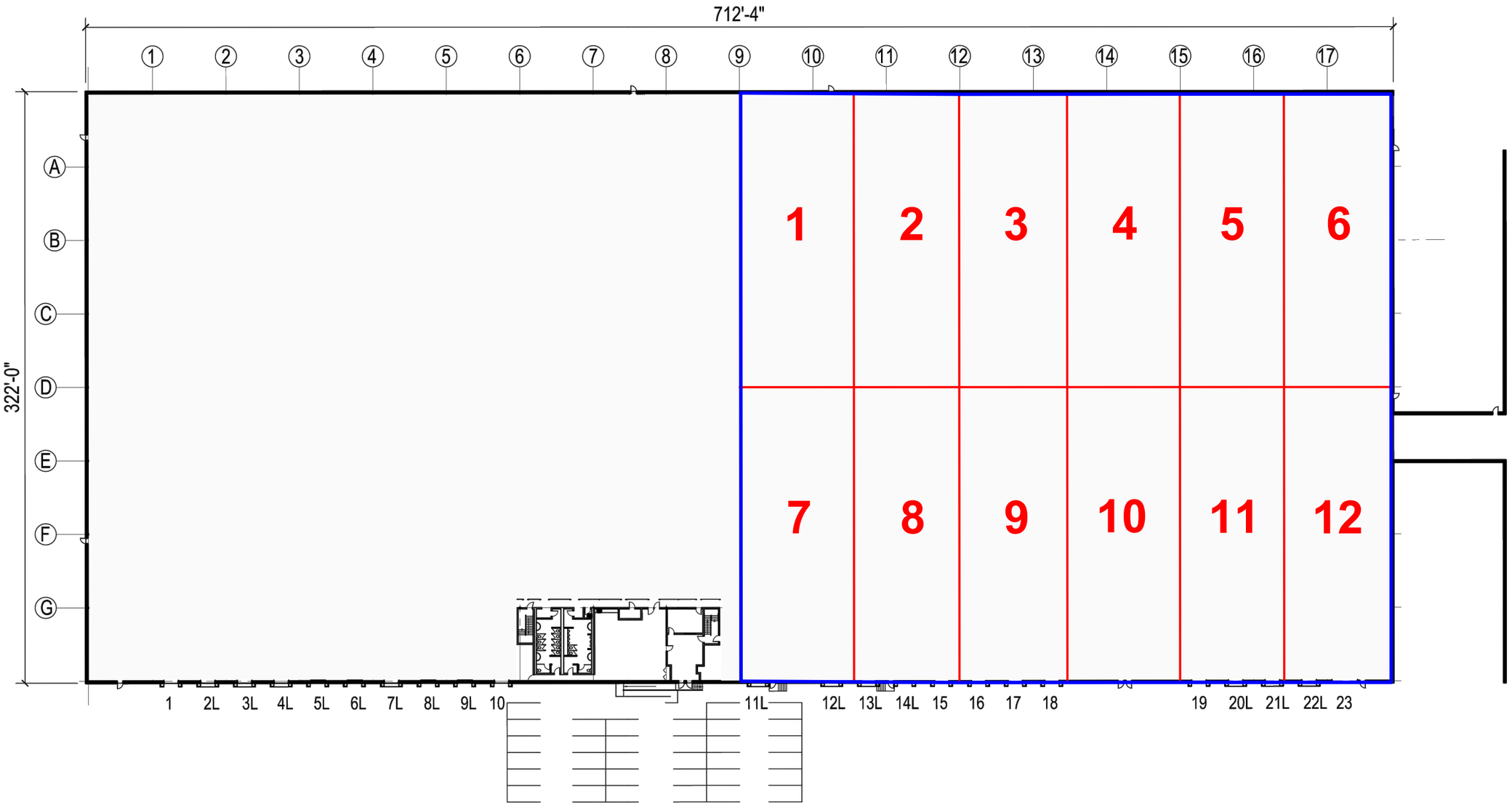


LEGEND

CLOSED LOOP LEASE AREA

SAMPLING GRID

0 30 60

APPROX. SCALE: 1"=60'

AECOM

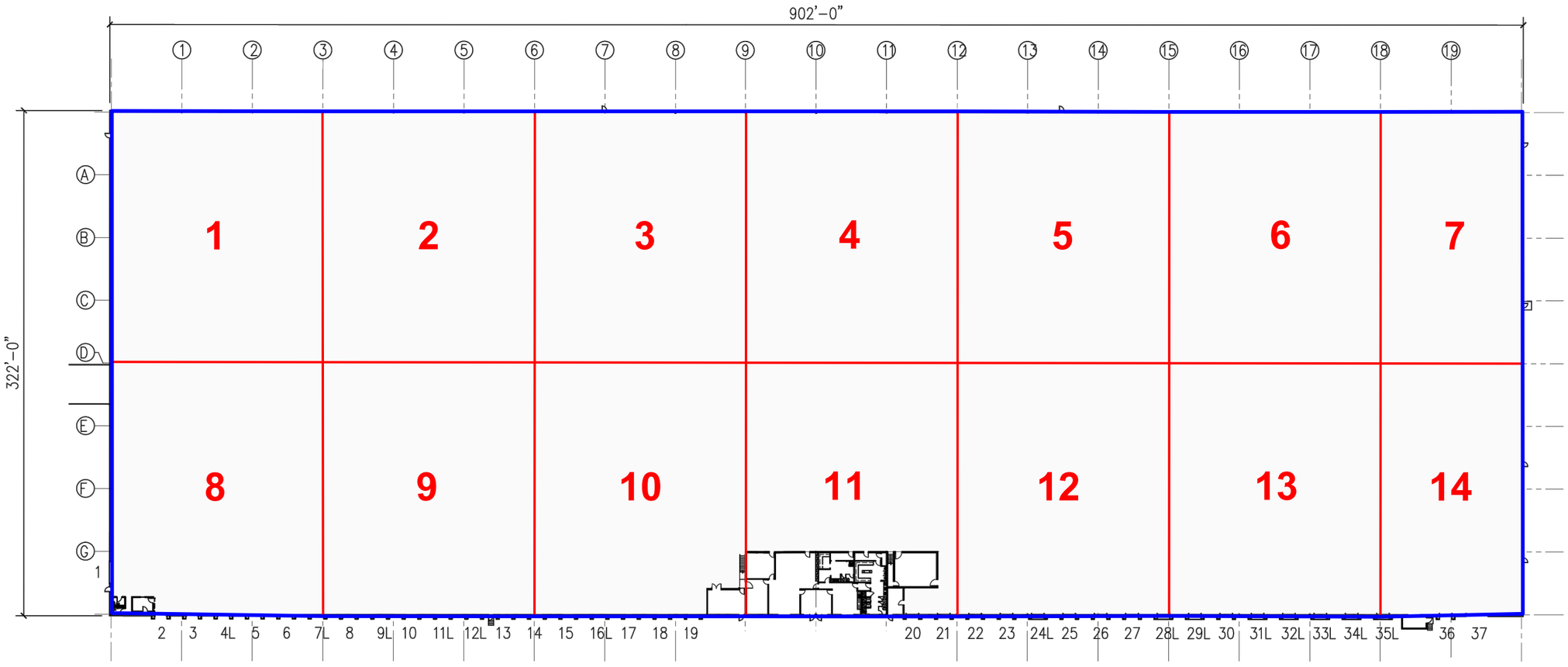
GARRISON SOUTHFIELD PARK

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

K:\Projects\G\Garrison Southfield Park LLC\60447615_SiteSampl\DWGs\Figures\Fig_4_Sample Location Grid – Building 1655 fixed.dwg User: james_tilocco Nov 25, 2015 – 2:11pm



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:
JT	MW	60447615	11/25/15	5

K:\Projects\G\Garrison Southfield Park LLC\60447615_SiteSampl\DWGs\Figures\Fig_5_Sample Location Grid – Building 1675.dwg User: james_tilocco Dec 01, 2015 – 10:12am

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

Table of Contents

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

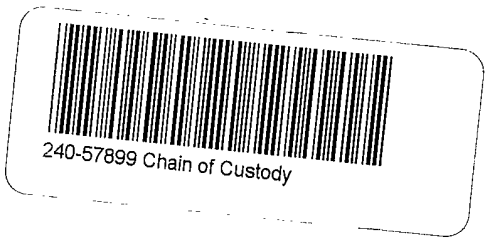
All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

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

Table of Contents

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

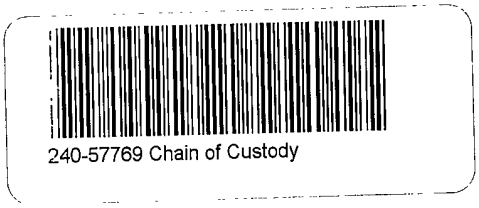
All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

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 # :** 5X769
Canton Facility

Client AECOM Site Name ______ Cooler unpacked by: [signature]

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 1 (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

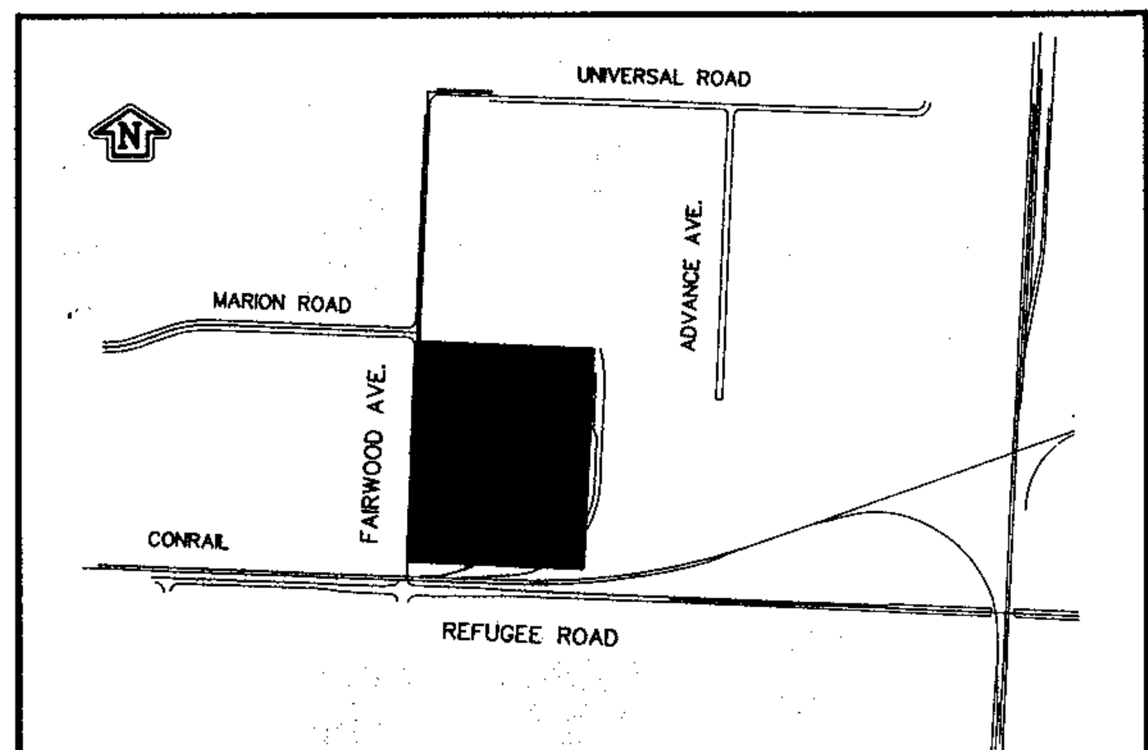
Sample(s) ______ were received after the recommended holding time had expired.
Sample(s) ______ were received in a broken container.
Sample(s) ______ were received with bubble >6 mm in diameter. (Notify PM)

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 E
2014 Site Survey



Vicinity Map

Legal Descriptions:

13.985 ACRES

Situated in the State of Ohio, County of Franklin, City of Columbus, in Half Section 38, Section 26, Township 5, Range 22, Refugee Lands, being all of Parcel Four and part of Parcel Five conveyed to OLT Properties Limited Partnership as shown of record in Official Records Volume 11147, G-16, Recorder's Office, Franklin County, Ohio, (all deed references made being to said Recorder's Office) and being more particularly described as follows:

Commencing at a found railroad spike at the southwest corner of a 1.111 acre tract conveyed to OLT Properties Limited Partnership (Official Records Volume 11147 G-16, Parcel Six, said Recorder's Office), being the intersection of the centerline of Fairwood Avenue with the north line of the Conrail Railroad (formerly T. & O.C. Railway Co.);

Thence, along said centerline of Fairwood Avenue and the west line of said 1.111 acre tract, North 02 degrees 28 minutes 16 seconds East, 173.46 feet to the northwest corner of said 1.111 acre tract, southwest corner of said Parcel Four and the TRUE POINT OF BEGINNING of the herein described tract;

Thence, continuing along said centerline of Fairwood Avenue and the west line of said Parcel Four, North 02 degrees 28 minutes 16 seconds East, 16.54 feet to the northwest corner of said Parcel Four and the southwest corner of the 0.6476 acre tract conveyed to the City of Columbus (Deed Book 3214, Page 9);

Thence, along part of the north line of said Parcel Four and the south line of said 0.6476 acre tract, (parallel with the north line of said railroad), South 87 degrees 33 minutes 44 seconds East, 40.00 feet to a set iron pipe at the southeast corner of said 0.6476 acre tract and in the existing east right-of-way of said Fairwood Avenue;

Thence, along the east line of said 0.6476 acre tract and said east line of Fairwood Avenue, North 02 degrees 28 minutes 16 seconds East, 705.69 feet to the intersection of said line with the north line of said Parcel Five, referenced by a found iron pin bearing North 87 degrees 37 minutes 00 seconds West, 10.00 feet, being in the south line of the Van DyneCrotty Co. 6.470 acre tract (Deed Book 3401, Page 998);

Thence, along the north line of said Parcel Five and the south line of said 6.470 acre tract, South 87 degrees 37 minutes 00 seconds East, 765.73 feet to the northeast corner of said Parcel Five, southeast corner of said 6.470 acre tract and in the west line of the Board of County Commissioners 6.792 acre tract (Deed Book 3598, Page 392), (passing a found iron pipe at 738.73 feet);

Thence, along an east line of said Parcel Five (part of the west line of said 6.792 acre tract), South 03 degrees 12 minutes 15 seconds West, 260.06 feet to a set iron pipe at the southwest corner of said 6.792 acre tract;

Thence, along a north line of said Parcel Five (part of the south line of said 6.792 acre tract), South 87 degrees 20 minutes 00 seconds East, 15.50 feet to a set iron pipe at the northwest corner of a 0.171 acre tract described as the First Parcel conveyed to The New York Central Railroad Company in Deed Book 2854, Page 529;

Thence, along an east line of said Parcel Five, (west line of said 0.171 acre tract) South 02 degrees 47 minutes 40 seconds West, 257.80 feet to a set iron pipe at a point of curvature at the southwest corner of said 0.171 acre tract, and the northwest corner of a 0.227 acre tract described as the Second Parcel conveyed to The New York Central Railroad Company in Deed Book 2854, Page 529;

Thence, along the west line of said 0.227 acre tract and the arc of a curve to the right, said curve having a radius of 397.77 feet, delta of 53 degrees 24 minutes 35 seconds, a chord bearing and distance of South 29 degrees 30 minutes 00 seconds West, 357.51 feet to a point at the southwest corner of said 0.227 acre tract and the northeast corner of the Third Parcel conveyed to The New York Central Railroad Company in said Deed Book 2854, Page 529;

Thence, along the north line of said Third Parcel, South 68 degrees 09 minutes 41 seconds West, 145.08 feet to the intersection of said line with the north line of said railroad;

Thence, along the south line of said Parcel Five and the north line of said railroad along the arc of a curve to the right, said curve having a radius of 2,075.36 feet, delta of 01 degrees 17 minutes 10 seconds, a chord bearing and distance of North 88 degrees 11 minutes 24 seconds West, 46.59 feet to a set iron pipe;

Thence, continuing along said line, North 87 degrees 33 minutes 44 seconds West, 210.18 feet to a set iron pipe at a southwest corner of said Parcel Five and the southeast corner of said 1.111 acre tract;

Thence, along part of a west line of said Parcel Five (part of the east line of said 1.111 acre tract), North 02 degrees 28 minutes 16 seconds East, 15.00 feet to a set iron pipe;

Thence, across said Parcel Five, along the arc of a curve to the left, said curve having a radius of 400.00 feet, delta of 30 degrees 52 minutes 53 seconds, and a chord bearing and distance of North 44 degrees 22 minutes 00 seconds East, 213.00 feet to a set iron pipe;

Thence, across said Parcel Five, North 87 degrees 33 minutes 44 seconds West, 142.23 feet to a set iron pipe in a west line of said Parcel Five and the east line of said 1.111 acre tract;

Thence, along part of a west line of said Parcel Five (part of the east line of said 1.111 acre tract) North 02 degrees 28 minutes 16 seconds East, 16.54 feet to a set iron pipe at the northeast corner of said 1.111 acre tract;

Thence, along a south line of said Parcel Five and a north line of said 1.111 acre tract, North 87 degrees 33 minutes 44 seconds West, 146.30 feet to a set iron pipe at a northwest corner of said 1.111 acre tract and the northeast corner of said Parcel Four;

Thence, along the east line of said Parcel Four and a west line of said 1.111 acre tract, South 02 degrees 28 minutes 16 seconds West, 16.54 feet to a set iron pipe at the southeast corner of said Parcel Four;

Thence, along the south line of said Parcel Four and a north line of said 1.111 acre tract, North 87 degrees 33 minutes 44 seconds West, 118.70 feet to the place of beginning CONTAINING 13.985 ACRES subject however, to all legal highways, easements, leases and restrictions of record, and of records in the respective utility offices.

The foregoing description was prepared from an actual field survey made by Myers Surveying Company, Inc. in November 2003. Iron pipes set are 30" X 1" (O.D.) with orange plastic caps inscribed "P.S. 6579". Bearings are based on the north line of said Parcel Five held as South 87 degrees 37 minutes 00 seconds East, as per Official Records Volume 11147 G-16.

0.509 ACRES

Situated in the State of Ohio, County of Franklin, City of Columbus, in Half Section 38, Section 26, Township 5, Range 22, Refugee Lands, being part of Parcel Five conveyed to OLT Properties Limited Partnership as shown of record in Official Records Volume 11147, G-16, Recorder's Office, Franklin County, Ohio, (all deed references made being to said Recorder's Office) and being more particularly described as follows:

Beginning at a found iron pipe at the southeast corner of said Parcel Five, the southwest corner of the Reliable Truck Parts, Inc. 12.336 acre tract (Official Records Volume 7970 C-16), and in the north line of the Conrail railroad;

Thence, along a south line of said Parcel Five, (south line of said 12.336 acre tract), along the arc of a curve to the right, said curve having a radius of 2,075.36 feet, delta of 05 degrees 13 minutes 50 seconds, a chord bearing and distance of South 84 degrees 54 minutes 21 seconds West, 189.39 feet to a point at the southeast corner of a Conrail tract, being the Third Parcel conveyed to The New York Central Railroad Company in Deed Book 2854, Page 529);

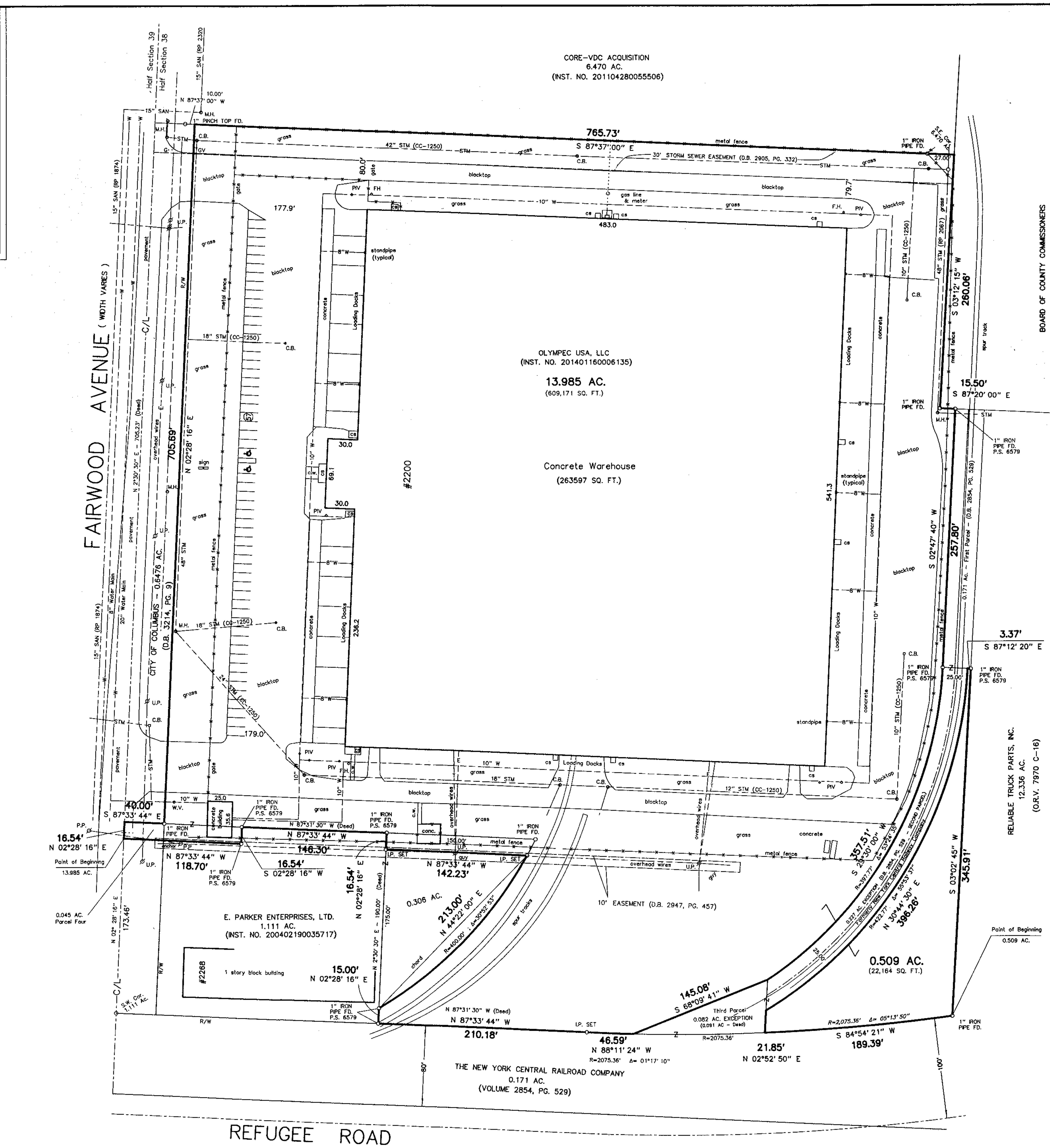
Thence, along a west line of said Parcel Five and the east line of said Third Parcel, North 02 degrees 52 minutes 50 seconds East, 21.85 feet to a point at the southwest corner of a 0.227 acre tract described as the Second Parcel in said Deed Book 2854, Page 529);

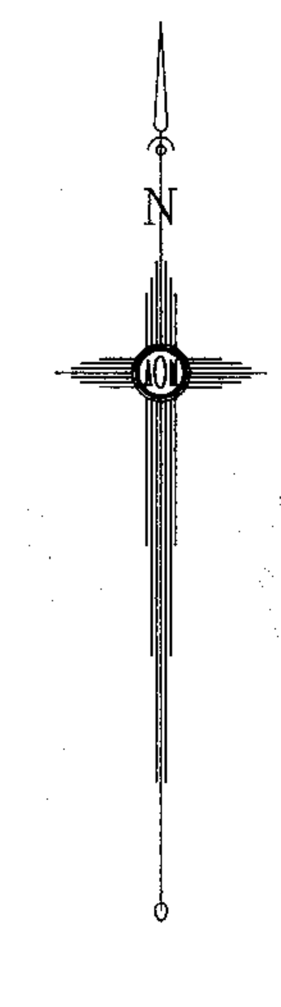
Thence, along the east line of said 0.227 acre tract and the arc of a curve to the left, said curve having a radius of 422.77 feet, delta of 55 degrees 53 minutes 37 seconds, a chord bearing and distance of North 30 degrees 44 minutes 30 seconds East, 396.26 feet to a point at the northeast corner of said 0.227 acre tract, and in the south line of a 0.171 acre described as the First Parcel in said Deed Book 2854, Page 529;

Thence, along part of a south line of said 0.171 acre tract, South 87 degrees 12 minutes 20 seconds East, 3.37 feet to a set iron pipe at the southeast corner of said 0.171 acre tract, a northeast corner of said Parcel Five, and in the west line of said 12.336 acre tract;

Thence, along an east line of said Parcel Five and part of the a west line of said 12.336 acre tract, South 03 degrees 02 minutes 45 seconds West, 345.91 feet to the place of beginning CONTAINING 0.509 ACRES subject however, to all legal highways, easements, leases and restrictions of record, and of records in the respective utility offices.

The foregoing description was prepared from an actual field survey made by Myers Surveying Company, Inc. in November 2003. Iron pipes set are 30" X 1" (O.D.) with orange plastic caps inscribed "P.S. 6579". Bearings are based on the north line of said Parcel Five held as South 87 degrees 37 minutes 00 seconds East, as per Official Records Volume 11147 G-16.





A.L.T.A./A.C.S.M. Land Title Survey

Scale 1" = 30'

November 24, 2003

REVISIONS:			
No.	Date	Description	By
1	December 28, 2006	A.L.T.A. Update	mdf
2	January 21, 2007	email per Bruce Mason dated Jan. 19, 2007	mdf
3	February 21, 2007	misc. per Bruce Mason	mdf
4	April 23, 2007	certification	mdf
5	January 24, 2014	A.L.T.A. Update	djo

Survey of 14.494 Acres located in Half Section 38, Section 26, Township 5, Range 22, Refugee Lands, City of Columbus, Franklin County, Ohio, for...

To:

First American Title Insurance Company

and/or

Olymbec USA LLC, a Delaware limited liability company

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2011 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 7(a), 7(b)(1), 8, 9, 10, 11(a) & 13 of Table A thereof. The field work was completed on January 24, 2014.

We hereby certify that the foregoing Boundary Survey was prepared from actual field measurements in accordance with Chapter 4733-37 Ohio Administrative Code. Iron pipes set are 30" X 1" O.D. with a plastic plug inscribed "P.S. 6579", unless otherwise noted. Basis of bearings is the north line of said Parcel Five held as South 89° 37' 00" East as per Official Records Volume 11147 G-16.

2/3/14

Albert J. Myers, Professional Surveyor No. 6579

STATE OF OHIO · ALBERT J. MYERS 6579 · REGISTERED · PROFESSIONAL SURVEYOR

Legend

P.B.	= Plat Book
D.B.	= Deed Book
O.R.V.	= Official Records Volume
Inst.No.	= Instrument Number
I.P.	= Iron Pipe
RR Spk.	= Railroad Spike
C/L	= Centerline
R/W	= Right-of-Way
LA R/W	= Limited Access Right-of-Way
M.H.	= Manhole
C.B.	= Catch Basin
F.H.	= Fire Hydrant
U.P.	= Utility Pole
L.P.	= Light Pole
E	= Electric
U.E.	= Underground Electric
E.M.	= Electric Meter
E.T.	= Electric Transformer
G	= Gas
G.M.	= Gas Meter
G.V.	= Gas Valve
W	= Water
W.M.	= Water Meter
W.V.	= Water Valve
T.P.	= Telephone Pedestal
T	= Telephone
O.B.T.	= Ohio Bell Telephone
C&SOE	= Cols. & Southern Ohio Electric
CATV	= Cable Television
R.P.	= Record Plan
San.	= Sanitary Sewer
Stm.	= Storm Sewer
Comb.	= Combination Sewer
B.T.	= Blacktop
w.w.	= window well
c.w.	= Concrete walk
c.s.	= concrete stoop/steps
c.o.	= cleanout
P.I.V.	= Post Indicator Valve
A.C.	= Air Conditioner

Notes:

1. Subject tract is in Flood Zone "X" as per F.E.M.A. Flood Insurance Rate Map 390170 0337 K; Effective Date: June 17, 2008.
2. Survey Plat to be revised at the time City of Columbus locates sanitary sewer connection.
3. There are 57 total marked parking spaces on the subject site, which includes 2 that are designated as handicap spaces.

Easements:

First American Title Insurance Company
File No: NCS-636872-MKE
Effective Date: December 12, 2013, 7:30 a.m.
Schedule B Section II

Item 11. Deed of Easement from Oscar L. Thomas, Incorporated, an Ohio corporation to City of Columbus, Ohio recorded June 24, 1968 in Volume 2905, Page 332 of Franklin County Records. Plotted

Item 12. Easement from Oscar L. Thomas, Incorporated, to Columbus and Southern Ohio Electric Company recorded December 11, 1968 in Volume 2947, Page 457 of Franklin County Records. Plotted

OHIO Utilities Protection SERVICE
Call Before You Dig

1-800-362-2764 CALL TWO WORKING DAYS BEFORE YOU DIG (NON MEMBERS MUST BE CALLED DIRECTLY)

Utility Warning

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

MyersSurveying COMPANY
2740 E. Main St., Bexley, Ohio 43209-2577
(614)235-8677 ~ (614)235-4559 fax
info@myerssurveying.com

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