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The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 3
EPA CONTRACT EP-S2-14-01

May 13, 2015

Mrs. Margaret Gregor, On-Scene Coordinator
U.S. Environmental Protection Agency
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT No.: EP-S2-14-01

TDD No.: TO-0001-0087

DOCUMENT CONTROL No.: RST3-01-F-0113

**SUBJECT: FINAL SOIL SAMPLING TRIP REPORT – ATLAS WHITE METAL
COMPANY SITE, BROOKLYN, KINGS COUNTY, NEW YORK**

Dear Mrs. Gregor,

Enclosed please find the Final Soil Sampling Trip Report for the soil sampling events conducted on November 12 and 13, 2014, December 16, 2014, and March 25, 2015, at the Atlas White Metal Company Site located in Brooklyn, Kings County, New York.

If you have any questions or comments, please contact me at (908) 565-2987.

Sincerely,

WESTON SOLUTIONS, INC

Michael Beuthe
RST 3 Site Project Manager

Enclosure

cc: TDD File No.: TO-0001-0087

an employee-owned company

In association with Scientific and Environmental Associates, Inc.,
Environmental Compliance Consultants, Inc., Avatar Environmental, LLC,
On-Site Environmental, Inc., and Sovereign Consulting, Inc.



FINAL SOIL SAMPLING TRIP REPORT

Site Name: Atlas White Metal Company Site
DC No.: RST3-01-F-0113
TDD No.: 0001-0087
Sampling Dates: November 12 and 13, 2014, December 16, 2014, and March 25, 2015
CERCLIS ID: NYN100071866
EPA ID: A24C

- 1. Site Location:** 77 Delevan Street (also spelled Delavan Street)
Brooklyn, Kings County, New York
(Refer to Attachment A, Figure 1: Site Location Map)
- 2. Sample Summary:**

As part of the Removal Assessment at the Atlas White Metal Company Site (the Site), Weston Solutions, Inc., Removal Support Team 3 (RST 3) collected 75 soil samples, including five field duplicates, from 14 sample locations located at the Atlas White Metal Company facility parcel (P001) and seven surrounding properties. For privacy reasons, the names and addresses of the surrounding properties will not appear within this report. Instead the properties were assigned unique identifier numbers – P001 through P008. The surrounding properties included four residences (P005 through P008), two right-of-way (ROW) locations (P003 and P004), and one church (P002). Two of the residences sampled (P005 and P006) were located adjacent to the northwest border of the P001 parcel and the other two residences (P007 and P008) were located approximately 250 feet to the north-northwest of P001. ROW locations were located on grassy patches along the sidewalks adjacent to Richards Street (P004) and the western end of Luquer Street (P003). The ROW on Richards Street was located approximately 350 feet to the southeast of P001, while the ROW on Luquer Street was located approximately 950 feet to the east-southeast of P001. Both ROW locations served as potential deposition areas since they were downwind of P001 in regards to the prevailing wind direction. The church property was located at the corner of Verona and Richards Street approximately 300 feet to the south of P001 and served as a background location. P001 was located at 77 Delevan Street. Six of the 14 selected sample locations were located at P001, two sample locations were located at the church property, and one sample location was located at each residence and ROW. Refer to Attachment A, Figure 2: Sample Locations Map to view sample locations. All soil samples were submitted to the U.S. Environmental Protection Agency (EPA), Region II, Division of Environmental Science and Assessment (DESA) laboratory located in Edison, New Jersey, for target analyte list (TAL) metal plus tin analysis.

Refer to Attachment B, Table 1: Sample Collection Information and Attachment D: Photographic Documentation Log.

3. Laboratory Receiving Samples:

The following laboratory was utilized during the November and December 2014, and March 2015 soil sampling events:

Sample Matrix	Analysis	Laboratory
Soil	TAL Metals + Tin	EPA Region II DESA Laboratory 2890 Woodbridge Ave. Building 209, MS-230 Edison, NJ 08837
Rinsate Blank		

EPA - U.S. Environmental Protection Agency TAL - Target Analyte List
DESA - Division of Environmental Science and Assessment

4. Sample Dispatch Data:

On November 14, 2014, RST 3 hand-delivered 53 soil samples, including three field duplicates, and two rinsate blank samples to the EPA DESA laboratory for TAL metal plus tin analysis under Chain of Custody (COC) Record Numbers (Nos.) 2-111414-101005-0001 and 2-111414-105159-0002.

On December 16, 2014, RST 3 hand-delivered 11 soil samples, including one field duplicate, and one rinsate blank sample to the EPA DESA laboratory for TAL metal plus tin analysis under COC Record No. 2-121614-141329-0004.

On March 25, 2015, RST 3 hand-delivered 11 soil samples, including one field duplicate, and one rinsate blank sample to the EPA DESA laboratory for TAL metal plus tin analysis under COC Record No. 2-032515-123441-0005.

Refer to Attachment C: Chain of Custody Records.

5. On-Site Personnel:

Name	Representing	Duties On-Site
Margaret Gregor	EPA, Region II	On-Scene Coordinator
Michael Beuthe	RST 3	Site Project Manager, Site Health & Safety, Sample Management, Site QA/QC
Jeffrey Schulz	RST 3	Sample Collection and Sample Management
Michael Garibaldi	RST 3	Sample Collection and Sample Management

6. Site Background and Description

The facility parcel (P001) extends between Delevan and Verona Streets in the Red Hook neighborhood of Brooklyn, Kings County, New York, in a mixed residential, commercial, and light industrial area. Currently, it is mostly paved with asphalt and is fenced off from Delevan and Verona Streets with corrugated metal fencing. The historic secondary smelter footprint is the northeast portion of this 0.33-acre lot, which is

addressed as 67 Delevan Street. The parcel includes a 5,800-square foot commercial building along its northwest border addressed as 86-90 Verona Street, and the 400-square foot yard in front of the building is unpaved and covered with gravel. A corrugated metal fence separates the north and south portions of the lot. The historic facility footprint is surrounded by parking lots associated with warehouses in all directions, except to the northeast, and is owned by the same company that owns the other warehouses on the block. Delevan Street borders P001 to the northeast, beyond which is a parking lot and a sheet metal factory. Wind rose plots show that the prevailing wind direction in the vicinity of P001 is to the southeast, with minor components to the southwest and north. Two residences with front and back yards that include bare soil and vegetation are adjacent to the northwest border of the P001 parcel. Additional residential yards are located approximately 250 feet to the north and northeast of P001 and approximately 260 feet to the south of P001. A church (P002) and Coffey Park are located approximately 300 feet and 500 feet to the south of P001, respectively. Both properties contain unpaved grassy, vegetated areas. The walkways throughout Coffey Park are concrete and the play areas are paved.

According to historical sources, the north portion of P001 has been undeveloped and utilized as a parking area since approximately 1978. A one- to two-story, 2,400-square foot building was present on-site from the early 1870s through 1977 and was mainly utilized as a warehouse for storage of scrap metal and other items. Sanborn maps note that smelting occurred on-site in the rear of the building from 1938 through at least 1969, although the facility is not listed in the 1946 or 1963-64 editions of the Standard Metal Directory. No information was readily available regarding Atlas White Metal Company or other historic occupants and their on-site operations. A 1954 aerial photograph shows the building as depicted on Sanborn maps, potentially with a roof structure and a narrow stack originating in the rear of the building where "smelting" was identified on the Sanborn maps. The presence of a former stack utilized to vent smelting emissions could not be confirmed due to the lack of historic resources and the poor resolution of the aerial photograph. The 1966 aerial photograph does not show a stack or significant roof structure originating from the historic on-site building. Nevertheless, there is a possibility that smelting was conducted on-site from the mid-1930s through the late 1960s. The south portion of the P001 parcel has been developed with the current commercial building since at least 1886. It should be noted that the surrounding residences discussed above were constructed in the early 1900s and were present during the time when a smelter may have operated on-site.

7. Sample Methodology


Prior to mobilization to the Site, a utility mark-out request was submitted to the New York 811 System to identify subsurface utilities within the investigation area. A total of 14 sample locations from P001 and seven surrounding properties were selected by the EPA On-Scene Coordinator (OSC) for sampling. A jackhammer was required to remove the first two inches of asphalt at sample locations P001-SS001, P001-SS002, P001-SS003, and P001-SS004. Using stainless steel hand augers, RST 3 advanced borings at each sample location to a depth of 2 feet below ground surface (bgs) and grab samples were collected from the 0 to 1 inch, 1 to 6 inch, 6 to 12 inch, 12 to 18 inch, and 18 to 24 inch depth intervals. Soil samples were collected using dedicated plastic scoops and were homogenized prior to being placed into sample jars. All samples were placed on ice after

collection. Dedicated nitrile gloves were donned between each interval and the non-dedicated sampling equipment (*i.e.*, hand augers) was decontaminated between each sample interval using an alconox/potable water scrub and rinse. A rinsate blank sample was collected at the end of each sample day to ensure proper decontamination by pouring deionized water over decontaminated non-dedicated sampling supplies and collecting the water in sample jars.


8. Analytical Discussion

The validated analytical results for soil samples collected at P001 were compared to the EPA Removal Management Levels (RMLs) for Industrial Soil and New York State Department of Environmental Conservation (NYSDEC) Industrial Soil Cleanup Objectives (SCOs). At P001, there were 23 results that exceeded their respective EPA RMLs and 34 results that exceeded their respective NYSDEC Industrial SCOs. The analyte with the highest number of EPA RML exceedances was lead, which exceeded its EPA RML of 800 milligrams per kilogram (mg/kg) for industrial soil in 22 of 32 samples. Lead exceedances occurred at every sample location, and ranged from 1,000 mg/kg at sample location P001-SS002 from the 12-18 and 18-24 inch depth intervals, to 47,000 mg/kg at sample location P001-SS004 from the 18-24 inch depth interval. No exceedances occurred from the 0-1 inch interval. Antimony was detected above its EPA RML of 470 mg/kg for industrial soil at sample location P001-SS003, in which 780 mg/kg of antimony was detected at the 18-24 inch depth interval. Refer to Attachment A, Figure 3: EPA RML Exceedances and Attachment B, Table 2A: Validated Analytical Data Summary -TAL Metals + Tin (Industrial Standards).

The validated analytical results for soil samples collected at the seven surrounding properties (P002, P003, P004, P005, P006, P007, and P008) were compared to the EPA RMLs for Residential Soil and NYSDEC Residential SCOs. There were 32 results that exceeded their respective EPA RMLs and 74 results that exceeded their respective NYSDEC Residential SCOs. The analyte with the highest number of EPA RML exceedances was lead, which exceeded its EPA RML for Residential Soil of 400 mg/kg in 29 of 43 samples within six of the seven surrounding properties. Exceedances ranged from 420 mg/kg at sample location P008-SS001 from the 18-24 inch depth interval, to 3,700 mg/kg at sample location P006-SS001 from the 6-12 inch depth interval. Twenty-one of the 29 lead exceedances occurred at properties P005, P006, P007, and P008. These four residences were located northwest of P001 and exceedances at these locations occurred at the majority of depth intervals. The concentrations of lead were highest at sample location P006-SS001, which was located approximately 45 feet northwest of the historic on-site facility footprint. The only exceedance of lead that occurred at the two potential main deposition areas (P003-SS001 and P004-SS001) was at location P004-SS001 from the 18-24 inch depth interval. Antimony was detected above its EPA RML of 34 mg/kg for residential soil in three samples. At sample location P006-SS001, 38 mg/kg, 41 mg/kg, and 36 mg/kg of antimony was detected at the 0-1, 6-12, and 12-18 inch depth intervals, respectively. Refer to Attachment A, Figure 3: EPA RML Exceedances and Attachment B, Table 2B: Validated Analytical Data Summary -TAL Metals + Tin (Residential Standards).

Report Prepared by: 
Michael Beuthe
RST 3 Site Project Manager

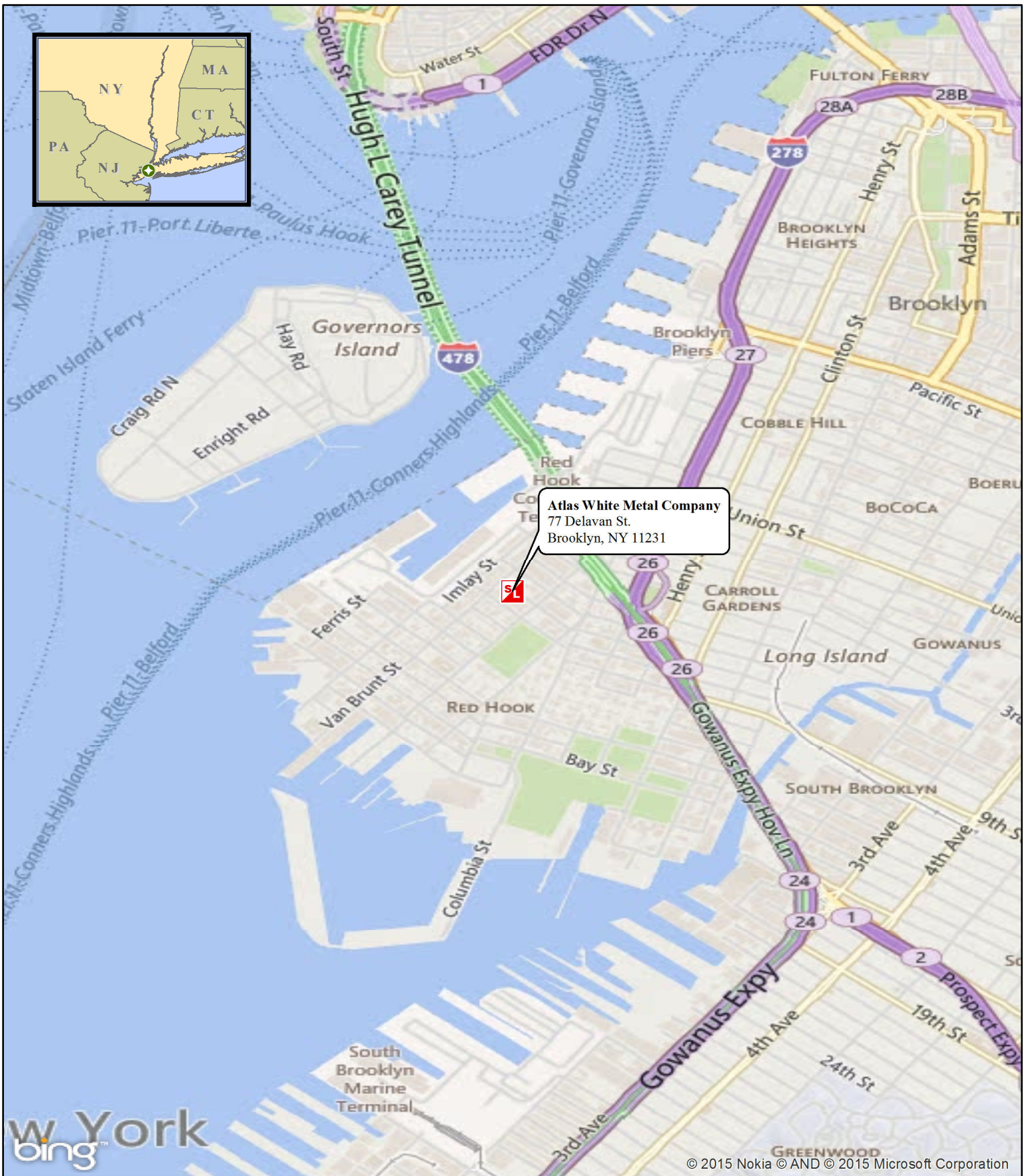
Date: 5/13/15

Report Reviewed by: 
Joel Petty
RST 3 Group Leader

Date: 5/13/15

ATTACHMENT A

Figure 1: Site Location Map
Figure 2: Sample Locations Map
Figure 3: EPA RML Exceedances



Atlas White Metal Company
 77 Delavan St.
 Brooklyn, NY 11231



bing
 New York

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Legend

Site Location



Weston Solutions, Inc.
 East Division

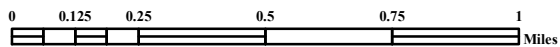
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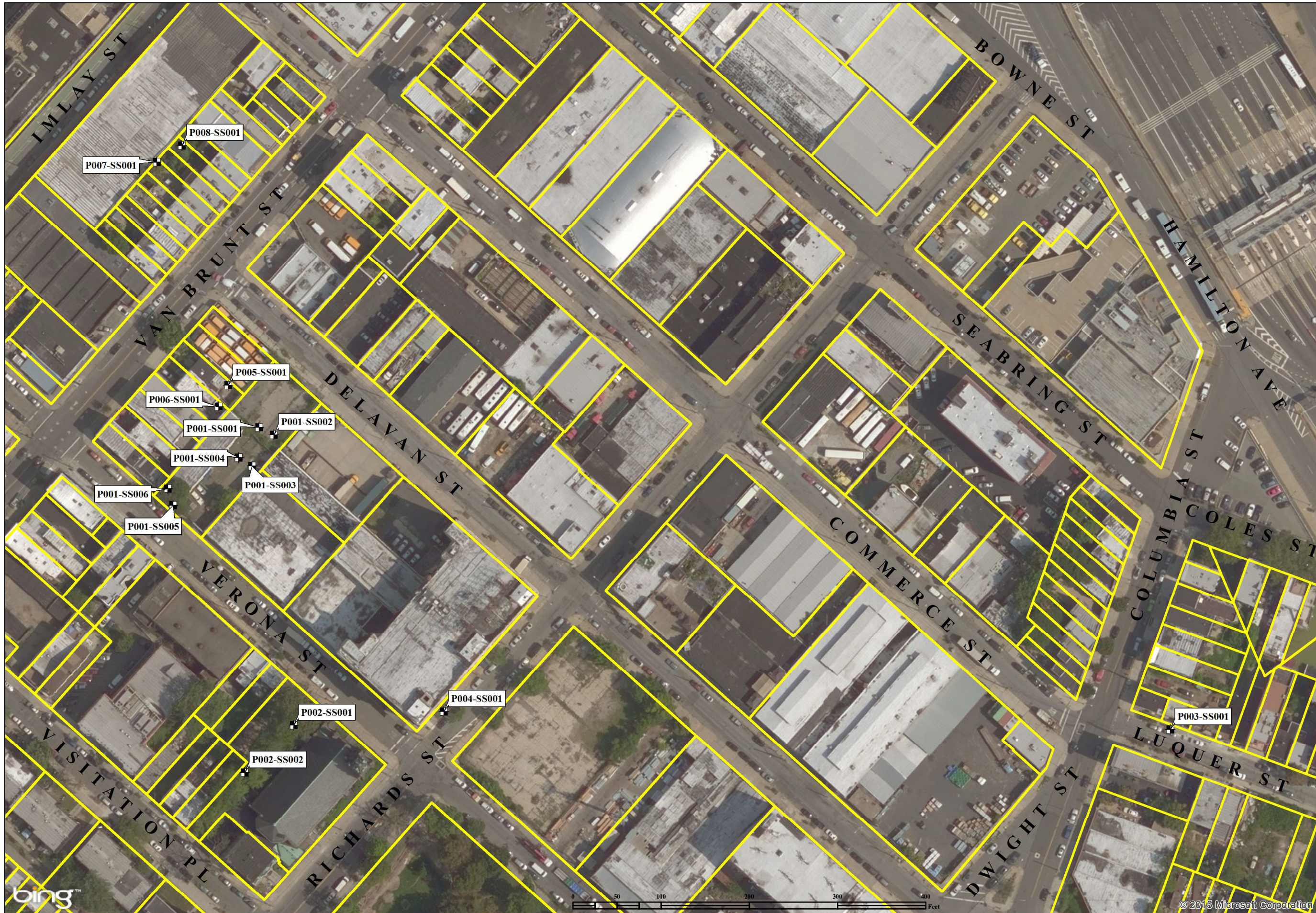
**Figure 1:
 Site Location Map**

ATLAS WHITE METAL COMPANY
 BROOKLYN, NEW YORK



U.S. ENVIRONMENTAL PROTECTION AGENCY
 REMOVAL SUPPORT TEAM 3
 CONTRACT # EP-S2-14-01

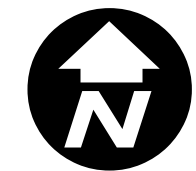
GIS ANALYST:	T BENTON
EPA OSC:	M. GREGOR
RST SPM:	M. BEUTHE
FILENAME:	141110 SITELOCATIONMAP.MXD





SCALE
1:1,250

- LEGEND
-  Sample Location
 -  Tax Parcel Boundary



**Figure 2:
Sample Locations Map**

ATLAS WHITE CHEMICAL COMPANY
BROOKLYN, NEW YORK

UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY
REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01

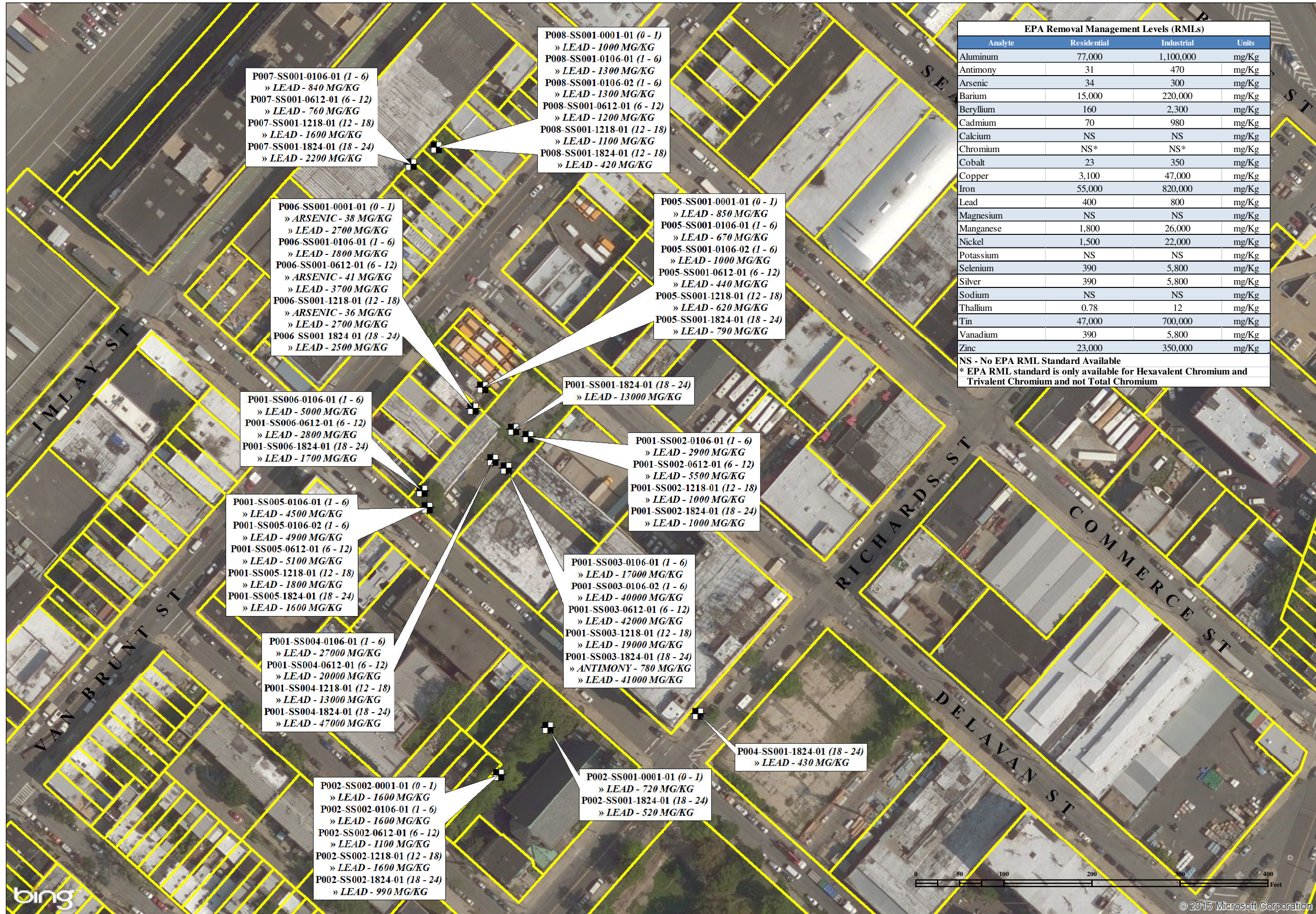
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Avatar Environmental, LLC, On-Site Environmental,
Inc., and Sovereign Consulting, Inc.

GIS ANALYST:	E. CAMPBELL
EPA OSC:	M. GREGOR
RST 2 SPM:	M. BEUTHE
PROJECT #:	30400.011.001.1087
FIGURE	2
REVISION	0
DATE MODIFIED	4/24/2015



bing



EPA Removal Management Levels (RMLs)			
Analyte	Residential	Industrial	Units
Aluminum	77,000	1,100,000	mg/Kg
Antimony	31	470	mg/Kg
Arsenic	34	300	mg/Kg
Barium	15,000	220,000	mg/Kg
Beryllium	160	2,300	mg/Kg
Cadmium	70	980	mg/Kg
Calcium	NS	NS	mg/Kg
Chromium	NS*	NS*	mg/Kg
Cobalt	23	350	mg/Kg
Copper	3,100	47,000	mg/Kg
Iron	55,000	820,000	mg/Kg
Lead	400	800	mg/Kg
Magnesium	NS	NS	mg/Kg
Manganese	1,800	26,000	mg/Kg
Nickel	1,500	22,000	mg/Kg
Potassium	NS	NS	mg/Kg
Selenium	390	5,800	mg/Kg
Silver	390	5,800	mg/Kg
Sodium	NS	NS	mg/Kg
Thallium	0.78	12	mg/Kg
Tin	47,000	700,000	mg/Kg
Vanadium	390	5,800	mg/Kg
Zinc	23,000	350,000	mg/Kg

NS - No EPA RML Standard Available
 * EPA RML standard is only available for Hexavalent Chromium and Trivalent Chromium and not Total Chromium



SCALE
1:1,250

LEGEND
 Sample Location
 Tax Parcel Boundary



Note(s):
 » Sample depths are noted in parentheses and depicted in inches.
 » Only analytes that exceed the EPA Removal Management Levels (RMLs) are depicted.
 » Sample Locations Noted with "P001" utilized EPA Industrial RMLs, where all other locations utilized the EPA Residential RMLs.
 » MG/KG - Milligrams per Kilogram

**Figure 3:
EPA RML Exceedances**
 ATLAS WHITE CHEMICAL COMPANY
 BROOKLYN, NEW YORK
 UNITED STATES ENVIRONMENTAL
 PROTECTION AGENCY
 REMOVAL SUPPORT TEAM 3
 CONTRACT # EP-S2-14-01
 Weston Solutions, Inc.

In Association With
 Scientific and Environmental Associates, Inc.,
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 Avatar Environmental, LLC, On-Site Environmental,
 Inc., and Sovereign Consulting, Inc.

GIS ANALYST:	F CAMPBELL
EPA OSC:	M. GREGOR
RST 2 SPM:	M. BEUTHE
PROJECT #:	30400.011.001.1087
FIGURE:	3
REVISION:	0
DATE MODIFIED:	4/24/2015



ATTACHMENT B

Table 1: Sample Collection Information

Table 2A: Validated Analytical Data Summary – TAL Metals + Tin (Industrial Standards)

Table 2B: Validated Analytical Data Summary – TAL Metals + Tin (Residential Standards)

Table 1: Sample Collection Information
Atlas White Metal Company Site
Brooklyn, Kings County, New York
November and December 2014, and March 2015

Sample ID	Sample Location	Depth (in)	Sample Date	Sample Time	Matrix	Collection	Sample Type	Analysis
P001-SS001-0001-01	P001-SS001	0-1	11/13/2014	10:57	Soil	Grab	FS	TAL Metals + Sn
P001-SS001-0106-01	P001-SS001	1-6	11/13/2014	11:00	Soil	Grab	FS	TAL Metals + Sn
P001-SS001-0612-01	P001-SS001	6-12	11/13/2014	11:05	Soil	Grab	FS	TAL Metals + Sn
P001-SS001-1218-01	P001-SS001	12-18	11/13/2014	11:10	Soil	Grab	FS	TAL Metals + Sn
P001-SS001-1824-01	P001-SS001	18-24	11/13/2014	11:12	Soil	Grab	FS	TAL Metals + Sn
P001-SS002-0001-01	P001-SS002	0-1	11/13/2014	11:35	Soil	Grab	FS	TAL Metals + Sn
P001-SS002-0106-01	P001-SS002	1-6	11/13/2014	11:40	Soil	Grab	FS	TAL Metals + Sn
P001-SS002-0612-01	P001-SS002	6-12	11/13/2014	11:45	Soil	Grab	FS	TAL Metals + Sn
P001-SS002-1218-01	P001-SS002	12-18	11/13/2014	11:50	Soil	Grab	FS	TAL Metals + Sn
P001-SS002-1824-01	P001-SS002	18-24	11/13/2014	12:00	Soil	Grab	FS	TAL Metals + Sn
P001-SS003-0001-01	P001-SS003	0-1	12/16/2014	11:35	Soil	Grab	FS	TAL Metals + Sn
P001-SS003-0106-01	P001-SS003	1-6	12/16/2014	11:45	Soil	Grab	FS/MS/MSD	TAL Metals + Sn
P001-SS003-0106-02	P001-SS003	1-6	12/16/2014	11:45	Soil	Grab	FD	TAL Metals + Sn
P001-SS003-0612-01	P001-SS003	6-12	12/16/2014	11:50	Soil	Grab	FS	TAL Metals + Sn
P001-SS003-1218-01	P001-SS003	12-18	12/16/2014	11:59	Soil	Grab	FS	TAL Metals + Sn
P001-SS003-1824-01	P001-SS003	18-24	12/16/2014	12:10	Soil	Grab	FS	TAL Metals + Sn
P001-SS004-0001-01	P001-SS004	0-1	12/16/2014	12:18	Soil	Grab	FS	TAL Metals + Sn
P001-SS004-0106-01	P001-SS004	1-6	12/16/2014	12:23	Soil	Grab	FS	TAL Metals + Sn
P001-SS004-0612-01	P001-SS004	6-12	12/16/2014	12:30	Soil	Grab	FS	TAL Metals + Sn
P001-SS004-1218-01	P001-SS004	12-18	12/16/2014	12:40	Soil	Grab	FS	TAL Metals + Sn
P001-SS004-1824-01	P001-SS004	18-24	12/16/2014	12:50	Soil	Grab	FS	TAL Metals + Sn
P001-SS005-0001-01	P001-SS005	0-1	3/25/2015	11:00	Soil	Grab	FS	TAL Metals + Sn
P001-SS005-0106-01	P001-SS005	1-6	3/25/2015	11:03	Soil	Grab	FS/MS/MSD	TAL Metals + Sn
P001-SS005-0106-02	P001-SS005	1-6	3/25/2015	11:04	Soil	Grab	FD	TAL Metals + Sn
P001-SS005-0612-01	P001-SS005	6-12	3/25/2015	11:15	Soil	Grab	FS	TAL Metals + Sn
P001-SS005-1218-01	P001-SS005	12-18	3/25/2015	11:22	Soil	Grab	FS	TAL Metals + Sn
P001-SS005-1824-01	P001-SS005	18-24	3/25/2015	11:36	Soil	Grab	FS	TAL Metals + Sn
P001-SS006-0001-01	P001-SS006	0-1	3/25/2015	11:46	Soil	Grab	FS	TAL Metals + Sn
P001-SS006-0106-01	P001-SS006	1-6	3/25/2015	11:51	Soil	Grab	FS	TAL Metals + Sn
P001-SS006-0612-01	P001-SS006	6-12	3/25/2015	11:54	Soil	Grab	FS	TAL Metals + Sn
P001-SS006-1218-01	P001-SS006	12-18	3/25/2015	11:57	Soil	Grab	FS	TAL Metals + Sn
P001-SS006-1824-01	P001-SS006	18-24	3/25/2015	12:04	Soil	Grab	FS	TAL Metals + Sn
P002-SS001-0001-01	P002-SS001	0-1	11/13/2014	9:25	Soil	Grab	FS	TAL Metals + Sn
P002-SS001-0106-01	P002-SS001	1-6	11/13/2014	9:30	Soil	Grab	FS/MS/MSD	TAL Metals + Sn
P002-SS001-0106-02	P002-SS001	1-6	11/13/2014	9:30	Soil	Grab	FD	TAL Metals + Sn
P002-SS001-0612-01	P002-SS001	6-12	11/13/2014	9:35	Soil	Grab	FS	TAL Metals + Sn
P002-SS001-1218-01	P002-SS001	12-18	11/13/2014	9:40	Soil	Grab	FS	TAL Metals + Sn
P002-SS001-1824-01	P002-SS001	18-24	11/13/2014	9:45	Soil	Grab	FS	TAL Metals + Sn
P002-SS002-0001-01	P002-SS002	0-1	11/13/2014	9:52	Soil	Grab	FS	TAL Metals + Sn
P002-SS002-0106-01	P002-SS002	1-6	11/13/2014	9:55	Soil	Grab	FS	TAL Metals + Sn
P002-SS002-0612-01	P002-SS002	6-12	11/13/2014	10:00	Soil	Grab	FS	TAL Metals + Sn
P002-SS002-1218-01	P002-SS002	12-18	11/13/2014	10:03	Soil	Grab	FS	TAL Metals + Sn
P002-SS002-1824-01	P002-SS002	18-24	11/13/2014	10:09	Soil	Grab	FS	TAL Metals + Sn
P003-SS001-0001-01	P003-SS001	0-1	11/12/2014	11:35	Soil	Grab	FS	TAL Metals + Sn
P003-SS001-0106-01	P003-SS001	1-6	11/12/2014	11:38	Soil	Grab	FS	TAL Metals + Sn
P003-SS001-0612-01	P003-SS001	6-12	11/12/2014	11:41	Soil	Grab	FS	TAL Metals + Sn
P003-SS001-1218-01	P003-SS001	12-18	11/12/2014	11:43	Soil	Grab	FS	TAL Metals + Sn
P003-SS001-1824-01	P003-SS001	18-24	11/12/2014	11:50	Soil	Grab	FS	TAL Metals + Sn
P004-SS001-0001-01	P004-SS001	0-1	11/12/2014	12:10	Soil	Grab	FS	TAL Metals + Sn
P004-SS001-0106-01	P004-SS001	1-6	11/12/2014	12:15	Soil	Grab	FS	TAL Metals + Sn
P004-SS001-0612-01	P004-SS001	6-12	11/12/2014	12:20	Soil	Grab	FS	TAL Metals + Sn
P004-SS001-1218-01	P004-SS001	12-18	11/12/2014	12:25	Soil	Grab	FS	TAL Metals + Sn
P004-SS001-1824-01	P004-SS001	18-24	11/12/2014	12:30	Soil	Grab	FS	TAL Metals + Sn
P005-SS001-0001-01	P005-SS001	0-1	11/12/2014	9:07	Soil	Grab	FS	TAL Metals + Sn

Notes:
FS = Field Sample
FD = Field Duplicate
RB = Rinsate Blank
MS/MSD = Matrix Spike/Matrix Duplicate
Sn = Tin
in = Inches

Table 1: Sample Collection Information
Atlas White Metal Company Site
Brooklyn, Kings County, New York
November and December 2014, and March 2015

Sample ID	Sample Location	Depth (in)	Sample Date	Sample Time	Matrix	Collection	Sample Type	Analysis
P005-SS001-0106-01	P005-SS001	1-6	11/12/2014	9:10	Soil	Grab	FS/MS/MSD	TAL Metals + Sn
P005-SS001-0106-02	P005-SS001	1-6	11/12/2014	9:10	Soil	Grab	FD	TAL Metals + Sn
P005-SS001-0612-01	P005-SS001	6-12	11/12/2014	9:15	Soil	Grab	FS	TAL Metals + Sn
P005-SS001-1218-01	P005-SS001	12-18	11/12/2014	9:20	Soil	Grab	FS	TAL Metals + Sn
P005-SS001-1824-01	P005-SS001	18-24	11/12/2014	9:25	Soil	Grab	FS	TAL Metals + Sn
P006-SS001-0001-01	P006-SS001	0-1	11/12/2014	9:55	Soil	Grab	FS	TAL Metals + Sn
P006-SS001-0106-01	P006-SS001	1-6	11/12/2014	10:00	Soil	Grab	FS	TAL Metals + Sn
P006-SS001-0612-01	P006-SS001	6-12	11/12/2014	10:05	Soil	Grab	FS	TAL Metals + Sn
P006-SS001-1218-01	P006-SS001	12-18	11/12/2014	10:10	Soil	Grab	FS	TAL Metals + Sn
P006-SS001-1824-01	P006-SS001	18-24	11/12/2014	10:15	Soil	Grab	FS	TAL Metals + Sn
P007-SS001-0001-01	P007-SS001	0-1	11/12/2014	10:40	Soil	Grab	FS	TAL Metals + Sn
P007-SS001-0106-01	P007-SS001	1-6	11/12/2014	10:45	Soil	Grab	FS	TAL Metals + Sn
P007-SS001-0612-01	P007-SS001	6-12	11/12/2014	10:50	Soil	Grab	FS	TAL Metals + Sn
P007-SS001-1218-01	P007-SS001	12-18	11/12/2014	10:55	Soil	Grab	FS	TAL Metals + Sn
P007-SS001-1824-01	P007-SS001	18-24	11/12/2014	11:00	Soil	Grab	FS	TAL Metals + Sn
P008-SS001-0001-01	P008-SS001	0-1	11/13/2014	8:35	Soil	Grab	FS	TAL Metals + Sn
P008-SS001-0106-01	P008-SS001	1-6	11/13/2014	8:40	Soil	Grab	FS/MS/MSD	TAL Metals + Sn
P008-SS001-0106-02	P008-SS001	1-6	11/13/2014	8:40	Soil	Grab	FD	TAL Metals + Sn
P008-SS001-0612-01	P008-SS001	6-12	11/13/2014	8:50	Soil	Grab	FS	TAL Metals + Sn
P008-SS001-1218-01	P008-SS001	12-18	11/13/2014	8:55	Soil	Grab	FS	TAL Metals + Sn
P008-SS001-1824-01	P008-SS001	18-24	11/13/2014	8:58	Soil	Grab	FS	TAL Metals + Sn
RB-20141112	NA	NA	11/12/2014	12:45	DI Water	Grab	Rinsate Blank	TAL Metals + Sn
RB-20141113	NA	NA	11/13/2014	11:50	DI Water	Grab	Rinsate Blank	TAL Metals + Sn
RB-20141216	NA	NA	12/16/2014	15:00	DI Water	Grab	Rinsate Blank	TAL Metals + Sn
RB-20150325	NA	NA	3/25/2015	12:25	DI Water	Grab	Rinsate Blank	TAL Metals + Sn

Notes:

FS = Field Sample

FD = Field Duplicate

RB = Rinsate Blank

MS/MSD = Matrix Spike/Matrix Duplicate

Sn = Tin

in = Inches

NA = Not Applicable

Table 2A: Validated Analytical Data Summary - TAL Metals + Tin (Industrial Standards)
Atlas White Metal Company Site
Brooklyn, Kings County, New York
November and December 2014, and March 2015

RST 3 Sample ID	EPA RMLs for Industrial Soil ¹	NYSDEC Remedial Program SCOs for Industrial Soil ²	P001-SS001-0001-01	P001-SS001-0106-01	P001-SS001-0612-01	P001-SS001-1218-01	P001-SS001-1824-01	P001-SS002-0001-01	P001-SS002-0106-01	P001-SS002-0612-01	P001-SS002-1218-01	P001-SS002-1824-01	P001-SS003-0001-01	P001-SS003-0106-01
Sampling Date			11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	12/16/2014	12/16/2014
Sampling Depth (in)			0-1	1-6	6-12	12-18	18-24	0-1	1-6	6-12	12-18	18-24	0-1	1-6
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Aluminum	1,100,000	NS	9,600	6,300	8,100	8,900	9,000	9,500	8,800	6,000	6,100	6,700	15,000	10,000
Antimony	470	NS	1.9 U	1.6 U	1.7 U	2.8	180	21	78	120	25	25	1.9 U	160
Arsenic	300	16	5.3	4.0	3.7	2.6	12	6.1	9.5	8.3	7.8	8.8	2.1	18
Barium	220,000	10,000	76	46	55	54	670	140	370	130	140	150	20	1,300
Beryllium	2,300	2,700	0.74	0.38	0.41	0.47	0.52	0.67	0.53	0.39	0.41	0.45	0.67	0.45
Cadmium	980	60	0.29 U	0.24 U	0.25 U	0.64	6.7	1.7	5.1	3.8	3.4	3.5	0.28 U	11
Calcium	NS	NS	14,000	7,100	32,000	39,000	37,000	18,000	37,000	54,000	46,000	45,000	11,000	19,000
Chromium	NS*	NS**	25	15	15	12	27	21	19	11	14	14	5.3	37
Cobalt	350	NS	9.7	8.9	6.9	9.5	8.6	9.8	7.9	3.6	4.8	7.2	17	18
Copper	47,000	10,000	40	35	36	110	1,700	290	690	290	280	340	140	2,500
Iron	820,000	NS	22,000	23,000	19,000	24,000	33,000	23,000	28,000	14,000	17,000	16,000	39,000	69,000
Lead	800	3,900	71	58	34	170	13,000	760	2,900	5,500	1,000	1,000	11	17,000
Magnesium	NS	NS	7,500	4,000	6,100	17,000	11,000	7,800	7,400	5,800	6,400	5,900	8,000	9,400
Manganese	26,000	10,000	550	920	350	270	380	350	340	260	320	300	220	500
Nickel	22,000	10,000	37	20	17	16	32	26	23	11	22	17	15	230
Potassium	NS	NS	1,700	650	2,000	960	990	1,200	750	600	650	650	1,100	610
Selenium	5,800	6,800	1.9 U	1.6 U	1.7 U	1.6 U	1.7 U	1.9 U	1.7 U	1.8 U	1.7 U	1.7 U	1.9 U	1.8
Silver	5,800	6,800	0.48 U	0.40 U	0.41 U	0.40 U	1.8	0.49 U	1.1	1.3	0.47	0.48	0.47 U	2.9
Sodium	NS	NS	230	120	400	900	650	640	850	590	560	670	1,600	580
Thallium	12	NS	1.9 U	1.6 U	1.7 U	1.6 U	1.7 U	1.9 U	1.7 U	1.8 U	1.7 U	1.7 U	1.9 U	1.7 U
Tin	700,000	NS	4.4	1.9	2.4	7.6	320	290	290	180	69	64	1.3	400
Vanadium	5,800	NS	56	27	32	76	62	70	66	28	41	42	140	91
Zinc	350,000	10,000	79	56	55	190	2,900	880	1,700	760	720	830	65	10,000

RST 3 Sample ID	EPA RMLs for Industrial Soil ¹	NYSDEC Remedial Program SCOs for Industrial Soil ²	P001-SS003-0106-02	P001-SS003-0612-01	P001-SS003-1218-01	P001-SS003-1824-01	P001-SS004-0001-01	P001-SS004-0106-01	P001-SS004-0612-01	P001-SS004-1218-01	P001-SS004-1824-01	P001-SS005-0001-01	P001-SS005-0106-01	P001-SS005-0106-02
Sampling Date			12/16/2014	12/16/2014	12/16/2014	12/16/2014	12/16/2014	12/16/2014	12/16/2014	12/16/2014	12/16/2014	3/25/2015	3/25/2015	3/25/2015
Sampling Depth (in)			1-6	6-12	12-18	18-24	0-1	1-6	6-12	12-18	18-24	0-1	0-1	0-1
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Aluminum	1,100,000	NS	11,000	9,300	4,400	5,300	9,900	22,000	13,000	25,000	170,000	8,900	4,500	4,900
Antimony	470	NS	120	320	370	780	1.9 U	280	73	50	25	5.3	270	110
Arsenic	300	16	14	51	54	46	5.0	18	24	23	23	4.8	15	15
Barium	220,000	10,000	1,300	1,300	430	440	31	2,000	1,600	2,400	1,900	67	520	550
Beryllium	2,300	2,700	0.49	0.36	0.52 U	0.27 U	0.72	0.97	1.4	1.7	0.50	0.35 U	0.33 U	0.32 U
Cadmium	980	60	9.2	21	21	22	0.29 U	8.4	6.6	4.6	12	0.49	6.5	4.9
Calcium	NS	NS	16,000	18,000	5,700	10,000	78,000	53,000	24,000	13,000	14,000	76,000	13,000	25,000
Chromium	NS*	NS**	36	54	65	64	10	42	28	45	190	9.2	26	25
Cobalt	350	NS	17	18	29	22	12	7.1	7.7	9.5	6.1	13	7.2	7.2
Copper	47,000	10,000	1,900	3,100	2,000	4,000	130	2,600	2,200	2,900	1,300	230	1,700	1,300
Iron	820,000	NS	57,000	120,000	360,000	260,000	27,000	19,000	20,000	21,000	29,000	24,000	37,000	34,000
Lead	800	3,900	40,000	42,000	19,000	41,000	41	27,000	20,000	13,000	47,000	280	4,500	4,900
Magnesium	NS	NS	8,000	7,300	1,100	2,100	48,000	12,000	6,800	4,700	6,700	43,000	4,000	12,000
Manganese	26,000	10,000	450	930	1,700	1,300	300	170	140	230	340	250	230	250
Nickel	22,000	10,000	97	88	100	180	16	55	41	42	36	17	36	32
Potassium	NS	NS	710	480	380	300	860	490	810	1,000	360	740	450	530
Selenium	5,800	6,800	1.7 U	2.6	3.5 U	3.6 U	1.9 U	2.7	2.1 U	2.1 U	2.6 U	2.3 U	2.2 U	2.2 U
Silver	5,800	6,800	2.3	5.9	8.0	14	0.48 U	1.3	1.9	1.1	0.82	0.58 U	0.55 U	0.54 U
Sodium	NS	NS	690	400	190	260	1,000	200	330	470	130	1,100	230	280
Thallium	12	NS	1.7 U	1.8 U	3.5 U	1.8 U	1.9 U	3.5 U	2.1 U	2.1 U	2.6 U	2.3 U	2.2 U	2.2 U
Tin	700,000	NS	310	1,700	3,800	10,000	3.3	970	300	260	670	21	1,100	220
Vanadium	5,800	NS	100	73	28	37	87	50	36	74	24	81	50	54
Zinc	350,000	10,000	14,000	20,000	7,900	9,400	110	43,000	13,000	5,400	6,000	270	3,900	2,800

Notes:

All soil data reported in milligrams per kilogram (mg/kg).

All rinsate blank data reported in micrograms per liter (µg/L).

Detected concentrations are **Bolded**.

U - Indicates the analyte was analyzed for but not detected .

NS - No Standard

in - inches

¹ Standards obtained from the United States Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Industrial Soil for 10⁻⁴ Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, January 2015.

² Standards obtained from the New York State Department of Environmental Conservation (NYSDEC) Remedial Program Soil Cleanup Objectives (SCOs) for Industrial Soil, December 14, 2006.

*No standard for total chromium; EPA RMLs for Industrial Soil are 1,800,000 mg/kg for trivalent chromium and 630 mg/kg for hexavalent chromium.

**No standard for total chromium; NYSDEC Program SCOs for Industrial Soil are 6,800 mg/kg for trivalent chromium and 800 mg/kg for hexavalent chromium.

Results at or exceeding NYSDEC Remedial Program SCOs for Industrial Soil highlighted yellow.

Results at or exceeding EPA RMLs for Industrial Soil or both EPA RMLs and NYSDEC Remedial Program SCOs for Industrial Soil highlighted red.

Table 2A: Validated Analytical Data Summary - TAL Metals + Tin (Industrial Standards)
Atlas White Metal Company Site
Brooklyn, Kings County, New York
November and December 2014, and March 2015

RST 3 Sample ID	EPA Removal Management Levels (Industrial Soil) ¹	NYSDEC Restricted Soil Cleanup Objectives (Industrial Soil) ²	P001-SS005-0612-01	P001-SS005-1218-01	P001-SS005-1824-01	P001-SS006-0001-01	P001-SS006-0106-01	P001-SS006-0612-01	P001-SS006-1218-01	P001-SS006-1824-01
Sampling Date			3/25/2015	3/25/2015	3/25/2015	3/25/2015	3/25/2015	3/25/2015	3/25/2015	3/25/2015
Sampling Depth (in)			6-12	12-18	18-24	0-1	1-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Aluminum	1,100,000	NS	3,900	4,600	5,800	11,000	6,100	6,600	4,900	5,100
Antimony	470	NS	69	34	69	6.3	150	42	9.3	6.9
Arsenic	300	16	21	24	51	4.1	22	22	27	30
Barium	220,000	10,000	980	1,500	660	57	840	900	320	590
Beryllium	2,300	2,700	0.35 U	0.37	1.1	0.32 U	0.38 U	0.38 U	0.39 U	0.35 U
Cadmium	980	60	7.1	6.5	3.3	0.56	9.9	5.8	3.1	2.6
Calcium	NS	NS	18,000	9,100	11,000	54,000	10,000	7,500	7,900	11,000
Chromium	NS*	NS**	30	38	28	7.8	40	34	44	23
Cobalt	350	NS	5.9	7.3	13	15	9.3	7.1	7.2	10
Copper	47,000	10,000	820	890	390	260	2,000	830	330	200
Iron	820,000	NS	21,000	20,000	30,000	27,000	29,000	29,000	19,000	29,000
Lead	800	3,900	5,100	1,800	1,600	330	5,000	2,800	770	1,700
Magnesium	NS	NS	2,300	3,800	4,100	30,000	2,400	2,800	1,900	3,200
Manganese	26,000	10,000	250	380	220	250	300	330	210	220
Nickel	22,000	10,000	47	38	38	15	47	32	35	26
Potassium	NS	NS	360	1,100	570	690	480	420	690	620
Selenium	5,800	6,800	2.3	3.1	6.0	2.2 U	3.2	2.8	2.7	2.3 U
Silver	5,800	6,800	1.2 U	1.2 U	0.64 U	0.54 U	1.3	0.64 U	0.65 U	0.58 U
Sodium	NS	NS	280	340	560	1,300	240	440	1,200	650
Thallium	12	NS	2.3 U	2.3 U	2.5 U	2.2 U	2.5 U	2.6 U	2.6 U	2.3 U
Tin	700,000	NS	520	130	100	26	270	250	76	24
Vanadium	5,800	NS	51	37	41	98	83	100	38	45
Zinc	350,000	10,000	4,500	2,000	1,400	290	4,100	2,000	1,700	1,700

Notes:

All soil data reported in milligrams per kilogram (mg/kg).

All rinsate blank data reported in micrograms per liter (µg/L).

Detected concentrations are **Bolded**.

U - Indicates the analyte was analyzed for but not detected .

NS - No Standard

in - inches

¹ Standards obtained from the United States Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Industrial Soil for 10⁻⁴ Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, January 2015.

² Standards obtained from the New York State Department of Environmental Conservation (NYSDEC) Remedial Program Soil Cleanup Objectives (SCOs) for Industrial Soil, December 14, 2006.

*No standard for total chromium; EPA RMLs for Industrial Soil are 1,800,000 mg/kg for trivalent chromium and 630 mg/kg for hexavalent chromium.

**No standard for total chromium; NYSDEC Program SCOs for Industrial Soil are 6,800 mg/kg for trivalent chromium and 800 mg/kg for hexavalent chromium.

Results at or exceeding NYSDEC Remedial Program SCOs for Industrial Soil highlighted yellow.

Results at or exceeding EPA RMLs for Industrial Soil or both EPA RMLs and NYSDEC Remedial Program SCOs for Industrial Soil highlighted red.

Table 2B: Validated Analytical Data Summary - TAL Metals + Tin (Residential Standards)
Atlas White Metal Company Site
Brooklyn, Kings County, New York
November and December 2014, and March 2015

RST 3 Sample ID	EPA RMLs for Residential Soil ¹	NYSDEC Remedial Program SCOs for Residential Soil ²	P002-SS001-0001-01	P002-SS001-0106-01	P002-SS001-0106-02	P002-SS001-0612-01	P002-SS001-1218-01	P002-SS001-1824-01	P002-SS002-0001-01	P002-SS002-0106-01	P002-SS002-0612-01	P002-SS002-1218-01	P002-SS002-1824-01	P003-SS001-0001-01	
Sampling Date			11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/12/2014
Sampling Depth (in)			0-1	1-6	1-6	6-12	12-18	18-24	0-1	1-6	6-12	12-18	18-24	18-24	0-1
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Aluminum	77,000	NS	8,000	5,700	6,100	5,800	5,500	4,800	7,800	6,700	6,500	6,200	6,200	11,000	
Antimony	31	NS	4.0	1.7 U	1.6 U	1.7 U	1.7 U	1.9	5.9	3.1	3.1	2.0	2.2	2.0 U	
Arsenic	34	16	19	13	15	7.9	9.6	9.8	25	25	18	16	16	12	
Barium	15,000	350	230	69	81	130	140	180	480	520	400	420	280	150	
Beryllium	160	14	0.94	0.41	0.45	0.43	0.42	0.39	0.91	0.53	0.52	0.53	0.44	0.66	
Cadmium	70	2.5	2.1	0.59	0.54	0.25 U	0.32	0.62	3.2	1.1	1.4	1.2	2.3	0.58	
Calcium	NS	NS	8,100	1,600	1,700	5,200	4,800	7,000	11,000	6,200	6,400	6,800	11,000	19,000	
Chromium	NS*	NS**	39	15	14	16	17	18	43	29	26	26	22	29	
Cobalt	23	NS	8.7	5.1	5.6	5.5	7.0	6.1	8.5	7.5	8.1	6.7	6.5	7.1	
Copper	3,100	270	250	38	41	28	47	120	320	250	190	730	120	70	
Iron	55,000	NS	22,000	13,000	14,000	14,000	17,000	15,000	21,000	20,000	28,000	21,000	19,000	20,000	
Lead	400	400	720	130	120	200	360	520	1,600	1,600	1,100	1,600	990	220	
Magnesium	NS	NS	4,100	2,300	2,600	2,400	2,100	1,800	3,600	2,700	2,900	2,900	2,600	4,900	
Manganese	1,800	2,000	370	270	340	270	320	220	310	240	290	280	230	340	
Nickel	1,500	140	46	20	20	20	23	20	45	31	35	31	25	22	
Potassium	NS	NS	1,200	780	780	830	750	730	1,200	760	860	830	780	1,700	
Selenium	390	36	1.9 U	1.7 U	1.6 U	1.7 U	1.7 U	1.9	1.9	1.9 U	1.9 U	1.8 U	1.8 U	2.0 U	
Silver	390	36	0.98	0.43 U	0.40 U	0.41 U	0.42 U	0.42 U	1.2	0.62	0.52	0.49	0.46 U	0.50 U	
Sodium	NS	NS	130	86 U	80 U	97	130	130	160	540	730	510	420	250	
Thallium	0.78***	NS	1.9 U	1.7 U	1.6 U	1.7 U	1.7 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	2.0 U	
Tin	47,000	NS	47	5.0	3.9	3.4	13	34	110	86	56	240	240	9.0	
Vanadium	390	NS	67	24	25	19	23	19	71	38	27	34	24	36	
Zinc	23,000	2,200	470	89	94	110	140	420	720	760	800	800	770	200	

RST 3 Sample ID	EPA RMLs for Residential Soil ¹	NYSDEC Remedial Program SCOs for Residential Soil ²	P003-SS001-0106-01	P003-SS001-0612-01	P003-SS001-1218-01	P003-SS001-1824-01	P004-SS001-0001-01	P004-SS001-0106-01	P004-SS001-0612-01	P004-SS001-1218-01	P004-SS001-1824-01	P005-SS001-0001-01	P005-SS001-0106-01	P005-SS001-0106-02	
Sampling Date			11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014
Sampling Depth (in)			1-6	6-12	12-18	18-24	0-1	1-6	6-12	12-18	18-24	0-1	1-6	1-6	1-6
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Aluminum	77,000	NS	7,100	6,600	7,000	7,100	11,000	2,600	13,000	7,600	7,000	7,700	6,300	5,800	
Antimony	31	NS	1.7 U	1.7 U	1.8 U	1.8 U	2.0 U	1.6 U	1.6 U	1.7 U	1.8 U	4.3	4.4	4.0	
Arsenic	34	16	9.4	7.1	7.5	6.5	5.3	1.5	2.0	4.7	15	14	14	15	
Barium	15,000	350	90	84	86	90	150	18	140	110	100	450	330	350	
Beryllium	160	14	0.42	0.41	0.45	0.59	0.70	0.24 U	0.58	0.41	0.39	0.67	0.54	0.49	
Cadmium	70	2.5	0.38	0.32	0.34	0.27 U	0.92	0.24 U	0.25 U	0.26 U	0.27 U	1.3	1.1	1.2	
Calcium	NS	NS	16,000	16,000	14,000	5,100	10,000	570	2,100	3,000	2,400	4,600	3,400	3,600	
Chromium	NS*	NS**	19	15	20	17	63	6.0	27	18	18	27	22	20	
Cobalt	23	NS	6.3	4.3	5.0	7.1	12	2.4	15	7.9	6.9	9.2	7.7	7.5	
Copper	3,100	270	45	39	46	41	160	15	42	92	70	140	120	180	
Iron	55,000	NS	19,000	13,000	14,000	15,000	32,000	6,300	25,000	16,000	20,000	20,000	18,000	16,000	
Lead	400	400	130	120	120	120	390	82	77	260	430	850	670	1,000	
Magnesium	NS	NS	4,300	4,200	3,300	3,100	7,900	1,200	7,900	4,200	3,300	4,700	4,400	3,800	
Manganese	1,800	2,000	260	210	210	290	360	210	270	180	170	340	290	290	
Nickel	1,500	140	18	12	15	21	47	5.8	31	20	18	56	50	48	
Potassium	NS	NS	820	750	830	1,100	3,900	650	8,000	3,500	2,800	1,600	1,300	860	
Selenium	390	36	1.7 U	1.7 U	1.8 U	1.8 U	2.0 U	1.6 U	1.6 U	1.7 U	1.8 U	1.9 U	1.8 U	1.8 U	
Silver	390	36	0.43 U	0.43 U	0.45 U	0.45 U	0.49 U	0.41 U	0.41 U	0.43 U	0.45 U	0.49 U	0.46 U	0.47	
Sodium	NS	NS	180	240	210	220	250	81 U	300	310	330	160	270	260	
Thallium	0.78***	NS	1.7 U	1.7 U	1.8 U	1.8 U	2.0 U	1.6 U	1.6 U	1.7 U	1.8 U	1.9 U	1.8 U	1.8 U	
Tin	47,000	NS	4.8	8.0	7.2	8.2	28	2.7	2.9	6.8	18	34	25	43	
Vanadium	390	NS	25	23	24	25	48	11	36	22	23	31	27	24	
Zinc	23,000	2,200	120	120	200	88	610	33	120	130	130	570	500	560	

Notes:

All soil data reported in milligrams per kilogram (mg/kg).
All rinsate blank data reported in micrograms per liter (µg/L).
Detected concentrations are **Bolded**.
U - Indicates the analyte was analyzed for but not detected .
NS - No Standard
NA - Not Applicable
in - inches

¹ Standards obtained from the United States Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil for 10⁻⁴ Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, June 2014.

² Standards obtained from the New York State Department of Environmental Conservation (NYSDEC) Remedial Program Soil Cleanup Objectives (SCOs) for Residential Soil, December 14, 2006.

*No standard for total chromium; EPA RMLs for Residential Soil are 120,000 mg/kg for trivalent chromium and 30 mg/kg for hexavalent chromium.

**No standard for total chromium; NYSDEC Program SCOs for Residential Soil are 36 mg/kg for trivalent chromium and 22 mg/kg for hexavalent chromium.

***In all samples, the EPA RML was lower than the Reporting Detection Limit; therefore, it is unknown whether the contaminant is present above these screening levels.

Results at or exceeding NYSDEC Remedial Program SCOs for Residential Soil highlighted yellow.

Results at or exceeding EPA RMLs for Residential Soil highlighted red. The value also exceeds the NYSDEC SCO for Residential Soil when one exists.

Table 2B: Validated Analytical Data Summary - TAL Metals + Tin (Residential Standards)
Atlas White Metal Company Site
Brooklyn, Kings County, New York
November and December 2014, and March 2015

RST 3 Sample ID	EPA RMLs for Residential Soil ¹	NYSDEC Remedial Program SCOs for Residential Soil ²	P005-SS001-0612-01	P005-SS001-1218-01	P005-SS001-1824-01	P006-SS001-0001-01	P006-SS001-0106-01	P006-SS001-0612-01	P006-SS001-1218-01	P006-SS001-1824-01	P007-SS001-0001-01	P007-SS001-0106-01	P007-SS001-0612-01	
Sampling Date			11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014	11/12/2014
Sampling Depth (in)			6-12	12-18	18-24	0-1	1-6	6-12	12-18	18-24	0-1	1-6	6-12	6-12
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Aluminum	77,000	NS	5,100	5,400	6,000	11,000	7,500	7,400	6,700	6,500	7,500	6,000	5,900	
Antimony	31	NS	2.4	2.1	3.1	6.3	4.7	9.2	5.9	1.9 U	1.9 U	1.8 U	2.5	
Arsenic	34	16	12	12	15	38	27	41	36	18	9.0	8.3	11	
Barium	15,000	350	200	270	390	1,500	870	1,200	920	700	200	290	320	
Beryllium	160	14	0.45	0.44	0.51	0.83	0.53	0.79	0.59	0.48	0.36	0.42	0.44	
Cadmium	70	2.5	0.67	0.85	1.3	3.6	2.8	5.0	3.6	1.1	0.55	1.6	1.5	
Calcium	NS	NS	2,400	3,700	4,500	14,000	8,700	8,500	6,100	3,600	6,400	6,900	7,200	
Chromium	NS	NS**	18	18	25	54	37	52	38	19	28	22	22	
Cobalt	23	NS	6.3	6.8	7.0	8.2	6.0	8.0	7.1	5.9	4.6	6.0	6.5	
Copper	3,100	270	68	100	140	240	170	330	260	93	79	96	120	
Iron	55,000	NS	17,000	13,000	16,000	22,000	23,000	34,000	25,000	13,000	13,000	17,000	23,000	
Lead	400	400	440	620	790	2,700	1,800	3,700	2,700	2,500	250	840	760	
Magnesium	NS	NS	3,100	3,900	4,000	3,900	3,000	2,600	2,600	2,700	2,600	2,900	3,300	
Manganese	1,800	2,000	220	220	240	360	230	280	230	160	210	240	220	
Nickel	1,500	140	40	45	45	38	29	40	35	25	14	28	33	
Potassium	NS	NS	740	760	830	1,600	900	790	790	730	1,900	820	850	
Selenium	390	36	1.8 U	1.8 U	1.9 U	2.8	2.0 U	3.1	3.0	1.9 U	1.9 U	1.8 U	1.9 U	
Silver	390	36	0.44 U	0.44 U	0.47 U	1.1	0.73	1.4	1.0	0.48 U	0.47 U	0.45 U	0.47 U	
Sodium	NS	NS	230	330	380	180	150	230	390	510	280	180	190	
Thallium	0.78***	NS	1.8 U	1.8 U	1.9 U	1.9 U	2.0 U	2.1 U	2.1 U	1.9 U	1.9 U	1.8 U	1.9 U	
Tin	47,000	NS	15	25	20	65	34	78	62	22	14	69	31	
Vanadium	390	NS	23	21	26	62	46	95	50	26	22	30	32	
Zinc	23,000	2,200	360	400	580	1,100	800	910	720	380	300	690	840	

RST 3 Sample ID	EPA RMLs for Residential Soil ¹	NYSDEC Remedial Program SCOs for Residential Soil ²	P007-SS001-1218-01	P007-SS001-1824-01	P008-SS001-0001-01	P008-SS001-0106-01	P008-SS001-0106-02	P008-SS001-0612-01	P008-SS001-1218-01	P008-SS001-1824-01	RB-20141112	RB-20141113	RB-20141216	
Sampling Date			11/12/2014	11/12/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/12/2014	11/13/2014	12/16/2014
Sampling Depth (in)			12-18	18-24	0-1	1-6	1-6	6-12	12-18	18-24	NA	NA	NA	NA
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Rinsate Blank	Rinsate Blank	Rinsate Blank	
Aluminum	77,000	NS	6,000	6,900	7,500	7,100	7,000	7,000	6,900	4,900	100 U	100 U	100 U	
Antimony	31	NS	2.6	2.0	4.9	9.5	21	3.9	2.3	5.7	20 U	20 U	20 U	
Arsenic	34	16	16	17	15	24	21	19	15	9.2	8.0 U	8.0 U	8.0 U	
Barium	15,000	350	460	380	620	730	740	740	480	200	100 U	100 U	100 U	
Beryllium	160	14	0.46	0.63	0.67	0.78	0.73	0.60	0.52	0.41	3.0 U	3.0 U	3.0 U	
Cadmium	70	2.5	1.5	0.84	2.2	4.1	3.7	2.3	1.1	0.83	3.0 U	3.0 U	3.0 U	
Calcium	NS	NS	14,000	9,000	12,000	4,700	4,400	4,800	4,500	22,000	500 U	500 U	500 U	
Chromium	NS	NS**	24	24	41	44	45	30	26	18	5.0 U	7.5	5.0 U	
Cobalt	23	NS	7.2	10	7.2	8.6	8.5	7.1	7.2	5.3	20 U	20 U	20 U	
Copper	3,100	270	140	130	190	240	240	170	98	67	10 U	10 U	10 U	
Iron	55,000	NS	23,000	18,000	19,000	38,000	33,000	25,000	19,000	14,000	50 U	2,200	50 U	
Lead	400	400	1,600	2,200	1,000	1,300	1,300	1,200	1,100	420	8.0 U	8.0 U	8.0 U	
Magnesium	NS	NS	3,100	2,100	3,800	2,600	2,800	2,800	3,000	2,800	500 U	500 U	500 U	
Manganese	1,800	2,000	290	290	370	400	340	350	250	260	5.0 U	14	5.0 U	
Nickel	1,500	140	33	30	35	37	39	35	32	25	20 U	20 U	20 U	
Potassium	NS	NS	880	1,000	1,400	830	790	820	810	620	500 U	500 U	500 U	
Selenium	390	36	1.9 U	2.0 U	2.0 U	2.4	1.9 U	1.9 U	1.8 U	1.8 U	20 U	20 U	20 U	
Silver	390	36	0.49	0.51 U	0.75	0.89	1.6	0.61	0.47	0.46 U	5.0 U	5.0 U	5.0 U	
Sodium	NS	NS	330	370	130	310	300	490	500	350	1,000 U	1,000 U	1,000 U	
Thallium	0.78***	NS	1.9 U	2.0 U	2.0 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	20 U	20 U	20 U	
Tin	47,000	NS	100	100	55	61	57	63	68	25	10 U	10 U	10 U	
Vanadium	390	NS	28	32	53	85	78	46	34	27	20 U	20 U	20 U	
Zinc	23,000	2,200	840	910	800	1,200	1,100	1,200	950	430	20 U	20 U	20 U	

Notes:
All soil data reported in milligrams per kilogram (mg/kg).
All rinsate blank data reported in micrograms per liter (µg/L).
Detected concentrations are **Bolded**.
U - Indicates the analyte was analyzed for but not detected .
NS - No Standard
NA - Not Applicable
in - inches

¹ Standards obtained from the United States Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil for 10⁻⁴ Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, June 2014.

² Standards obtained from the New York State Department of Environmental Conservation (NYSDEC) Remedial Program Soil Cleanup Objectives (SCOs) for Residential Soil, December 14, 2006.

*No standard for total chromium; EPA RMLs for Residential Soil are 120,000 mg/kg for trivalent chromium and 30 mg/kg for hexavalent chromium.

**No standard for total chromium; NYSDEC Program SCOs for Residential Soil are 36 mg/kg for trivalent chromium and 22 mg/kg for hexavalent chromium.

***In all samples, the EPA RML was lower than the Reporting Detection Limit; therefore, it is unknown whether the contaminant is present above these screening levels.

Results at or exceeding NYSDEC Remedial Program SCOs for Residential Soil highlighted yellow.

Results at or exceeding EPA RMLs for Residential Soil highlighted red. The value also exceeds the NYSDEC SCO for Residential Soil when one exists.

ATTACHMENT C

Chain of Custody Records

USEPA

Date Shipped: 11/14/2014

Hand Delivered

Airbill No:

CHAIN OF CUSTODY RECORD

R2 Atlas White Metal Co./NY

Contact Name: Michael Beuthe

Contact Phone: (732)-585-4447

No: 2-111414-101005-0001

Cooler # 2

Lab: DESA

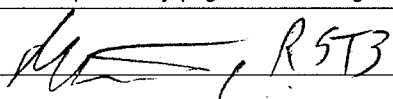
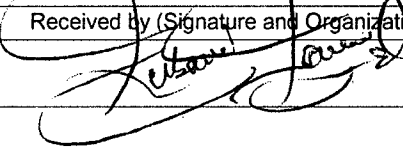
Lab Phone: (732)-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-SS001-0001-01	P001-SS001	TAL Metals + Tin	Soil	11/13/2014	10:57	1	8 oz glass jar	4 C	N
	P001-SS001-0106-01	P001-SS001	TAL Metals + Tin	Soil	11/13/2014	11:00	1	8 oz glass jar	4 C	N
	P001-SS001-0612-01	P001-SS001	TAL Metals + Tin	Soil	11/13/2014	11:05	1	8 oz glass jar	4 C	N
	P001-SS001-1218-01	P001-SS001	TAL Metals + Tin	Soil	11/13/2014	11:10	1	8 oz glass jar	4 C	N
	P001-SS001-1824-01	P001-SS001	TAL Metals + Tin	Soil	11/13/2014	11:12	1	8 oz glass jar	4 C	N
	P001-SS002-0001-01	P001-SS002	TAL Metals + Tin	Soil	11/13/2014	11:35	1	8 oz glass jar	4 C	N
	P001-SS002-0106-01	P001-SS002	TAL Metals + Tin	Soil	11/13/2014	11:40	1	8 oz glass jar	4 C	N
	P001-SS002-0612-01	P001-SS002	TAL Metals + Tin	Soil	11/13/2014	11:45	1	8 oz glass jar	4 C	N
	P001-SS002-1218-01	P001-SS002	TAL Metals + Tin	Soil	11/13/2014	11:50	1	8 oz glass jar	4 C	N
	P001-SS002-1824-01	P001-SS002	TAL Metals + Tin	Soil	11/13/2014	12:00	1	8 oz glass jar	4 C	N

Special Instructions: TAT 14 days Preliminary. Soil samples collected from the 0-1 interval should be designated for sieving with a 250-micron stainless steel sieve prior to laboratory analysis. Email Preliminary Results to S.Sumbaly@WestonSolutions.com and Michael.Beuthe@WestonSolutions.com.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All samples All Analyses	 RSTB	11/14/14 12:00		11/14/14 13:00	

Direct from sampling, chilling began SA 11/14/14

USEPA

Date Shipped: 11/14/2014
 Hand Delivered
 Airbill No:

CHAIN OF CUSTODY RECORD

R2 Atlas White Metal Co./NY
 Contact Name: Michael Beuthe
 Contact Phone: (732)-585-4447

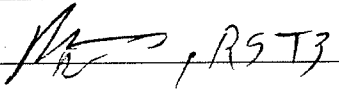
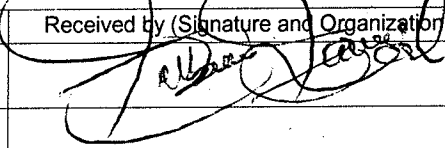
No: 2-111414-101005-0001

Cooler # 2
 Lab: DESA
 Lab Phone: (732)-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P002-SS001-0001-01	P002-SS001	TAL Metals + Tin	Soil	11/13/2014	09:25	1	8 oz glass jar	4 C	N
	P002-SS001-0106-01	P002-SS001	TAL Metals + Tin	Soil	11/13/2014	09:30	2	8 oz glass jar	4 C	Y
	P002-SS001-0106-02	P002-SS001	TAL Metals + Tin	Soil	11/13/2014	09:30	1	8 oz glass jar	4 C	N
	P002-SS001-0612-01	P002-SS001	TAL Metals + Tin	Soil	11/13/2014	09:35	1	8 oz glass jar	4 C	N
	P002-SS001-1218-01	P002-SS001	TAL Metals + Tin	Soil	11/13/2014	09:40	1	8 oz glass jar	4 C	N
	P002-SS001-1824-01	P002-SS001	TAL Metals + Tin	Soil	11/13/2014	09:45	1	8 oz glass jar	4 C	N
	P002-SS002-0001-01	P002-SS002	TAL Metals + Tin	Soil	11/13/2014	09:52	1	8 oz glass jar	4 C	N
	P002-SS002-0106-01	P002-SS002	TAL Metals + Tin	Soil	11/13/2014	09:55	1	8 oz glass jar	4 C	N
	P002-SS002-0612-01	P002-SS002	TAL Metals + Tin	Soil	11/13/2014	10:00	1	8 oz glass jar	4 C	N
	P002-SS002-1218-01	P002-SS002	TAL Metals + Tin	Soil	11/13/2014	10:03	1	8 oz glass jar	4 C	N

Special Instructions: TAT 14 days Preliminary. Soil samples collected from the 0-1 interval should be designated for sieving with a 250-micron stainless steel sieve prior to laboratory analysis. Email Preliminary Results to S.Sumbaly@WestonSolutions.com and Michael.Beuthe@WestonSolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sample All Analy	 RST3	11/14/14 12:06		11/14/14 13:00	

USEPA

Date Shipped: 11/14/2014

Hand Delivered

Airbill No:

CHAIN OF CUSTODY RECORD

R2 Atlas White Metal Co./NY

Contact Name: Michael Beuthe

Contact Phone: (732)-585-4447

No: 2-111414-101005-0001

Cooler # 2

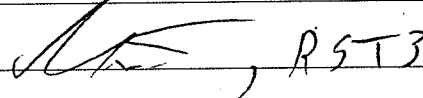
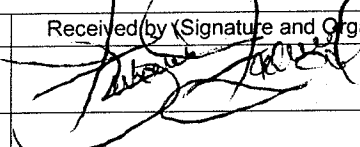
Lab: DESA

Lab Phone: (732)-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P002-SS002-1824-01	P002-SS002	TAL Metals + Tin	Soil	11/13/2014	10:09	1	8 oz glass jar	4 C	N
	P008-SS001-0001-01	P008-SS001	TAL Metals + Tin	Soil	11/13/2014	08:35	1	8 oz glass jar	4 C	N
	P008-SS001-0106-01	P008-SS001	TAL Metals + Tin	Soil	11/13/2014	08:40	2	8 oz glass jar	4 C	Y
	P008-SS001-0106-02	P008-SS001	TAL Metals + Tin	Soil	11/13/2014	08:40	1	8 oz glass jar	4 C	N
	P008-SS001-0612-01	P008-SS001	TAL Metals + Tin	Soil	11/13/2014	08:50	1	8 oz glass jar	4 C	N
	P008-SS001-1218-01	P008-SS001	TAL Metals + Tin	Soil	11/13/2014	08:55	1	8 oz glass jar	4 C	N
	P008-SS001-1824-01	P008-SS001	TAL Metals + Tin	Soil	11/13/2014	08:58	1	8 oz glass jar	4 C	N
	RB_20141113	P001-SS001	TAL Metals + Tin	DI Water	11/13/2014	11:50	1	1 L poly	HNO3 pH<2	

Special Instructions: TAT 14 days Preliminary. Soil samples collected from the 0-1 interval should be designated for sieving with a 250-micron stainless steel sieve prior to laboratory analysis. Email Preliminary Results to S.Sumbaly@WestonSolutions.com and Michael.Beuthe@WestonSolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All 5 samples All analysis	 , RST3	11/14/14 12:00		11/14/14 13:00	

USEPA

Date Shipped: 11/14/2014

Hand Delivered

Airbill No:

CHAIN OF CUSTODY RECORD

R2 Atlas White Metal Co./NY

Contact Name: Michae Beuthe

Contact Phone: (732)-585-4447

No: 2-111414-105159-0002

Cooler # 1

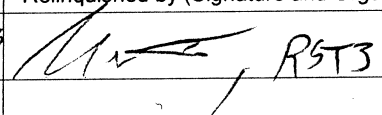
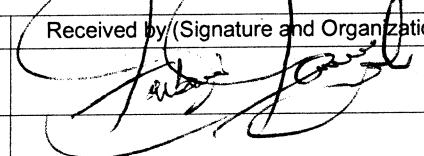
Lab: DESA

Lab Phone: (732)-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P003-SS001-0001-01	P003-SS001	TAL Metals + Tin	Soil	11/12/2014	11:35	1	8 oz glass jar	4 C	N
	P003-SS001-0106-01	P003-SS001	TAL Metals + Tin	Soil	11/12/2014	11:38	1	8 oz glass jar	4 C	N
	P003-SS001-0612-01	P003-SS001	TAL Metals + Tin	Soil	11/12/2014	11:41	1	8 oz glass jar	4 C	N
	P003-SS001-1218-01	P003-SS001	TAL Metals + Tin	Soil	11/12/2014	11:43	1	8 oz glass jar	4 C	N
	P003-SS001-1824-01	P003-SS001	TAL Metals + Tin	Soil	11/12/2014	11:50	1	8 oz glass jar	4 C	N
	P004-SS001-0001-01	P004-SS001	TAL Metals + Tin	Soil	11/12/2014	12:10	1	8 oz glass jar	4 C	N
	P004-SS001-0106-01	P004-SS001	TAL Metals + Tin	Soil	11/12/2014	12:15	1	8 oz glass jar	4 C	N
	P004-SS001-0612-01	P004-SS001	TAL Metals + Tin	Soil	11/12/2014	12:20	1	8 oz glass jar	4 C	N
	P004-SS001-1218-01	P004-SS001	TAL Metals + Tin	Soil	11/12/2014	12:25	1	8 oz glass jar	4 C	N
	P004-SS001-1824-01	P004-SS001	TAL Metals + Tin	Soil	11/12/2014	12:30	1	8 oz glass jar	4 C	N

Special Instructions: TAT 14 days Preliminary. Soil samples collected from the 0-1 interval should be designated for sieving with a 250-micron stainless steel sieve prior to laboratory analysis. Email Preliminary Results to S.Sumbaly@WestonSolutions.com and Michael.Beuthe@WestonSolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples for analysis	 RST3	11/14/14 12:00		11/14/14 13:00	

Direct from Sealy, chilling began @ 11/14/14

USEPA

Date Shipped: 11/14/2014

Hand Delivered

Airbill No:

CHAIN OF CUSTODY RECORD

R2 Atlas White Metal Co./NY

Contact Name: Michae Beuthe

Contact Phone: (732)-585-4447

No: 2-111414-105159-0002

Cooler # 1

Lab: DESA

Lab Phone: (732)-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P005-SS001-0001-01	P005-SS001	TAL Metals + Tin	Soil	11/12/2014	09:07	1	8 oz glass jar	4 C	N
	P005-SS001-0106-01	P005-SS001	TAL Metals + Tin	Soil	11/12/2014	09:10	2	8 oz glass jar	4 C	Y
	P005-SS001-0106-02	P005-SS001	TAL Metals + Tin	Soil	11/12/2014	09:10	1	8 oz glass jar	4 C	N
	P005-SS001-0612-01	P005-SS001	TAL Metals + Tin	Soil	11/12/2014	09:15	1	8 oz glass jar	4 C	N
	P005-SS001-1218-01	P005-SS001	TAL Metals + Tin	Soil	11/12/2014	09:20	1	8 oz glass jar	4 C	N
	P005-SS001-1824-01	P005-SS001	TAL Metals + Tin	Soil	11/12/2014	09:25	1	8 oz glass jar	4 C	N
	P006-SS001-0001-01	P006-SS001	TAL Metals + Tin	Soil	11/12/2014	09:55	1	8 oz glass jar	4 C	N
	P006-SS001-0106-01	P006-SS001	TAL Metals + Tin	Soil	11/12/2014	10:00	1	8 oz glass jar	4 C	N
	P006-SS001-0612-01	P006-SS001	TAL Metals + Tin	Soil	11/12/2014	10:05	1	8 oz glass jar	4 C	N
	P006-SS001-1218-01	P006-SS001	TAL Metals + Tin	Soil	11/12/2014	10:10	1	8 oz glass jar	4 C	N

Special Instructions: TAT 14 days Preliminary. Soil samples collected from the 0-1 interval should be designated for sieving with a 250-micron stainless steel sieve prior to laboratory analysis. Email Preliminary Results to S.Sumbaly@WestonSolutions.com and Michael.Beuthe@WestonSolutions.com.	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #
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Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All analyses	<i>Michael Beuthe</i> , R2AT	11/14/14 12:00	<i>Michael Beuthe</i>	11/14/14 13:00	

USEPA

Date Shipped: 11/14/2014
 Hand Delivered
 Airbill No:

CHAIN OF CUSTODY RECORD

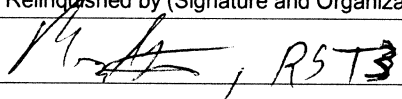
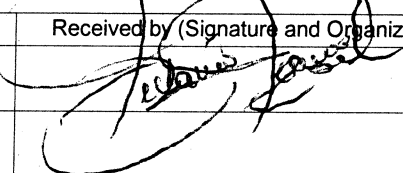
R2 Atlas White Metal Co./NY
 Contact Name: Michae Beuthe
 Contact Phone: (732)-585-4447

No: 2-111414-105159-0002

Cooler # 1
 Lab: DESA
 Lab Phone: (732)-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P006-SS001-1824-01	P006-SS001	TAL Metals + Tin	Soil	11/12/2014	10:15	1	8 oz glass jar	4 C	N
	P007-SS001-0001-01	P007-SS001	TAL Metals + Tin	Soil	11/12/2014	10:40	1	8 oz glass jar	4 C	N
	P007-SS001-0106-01	P007-SS001	TAL Metals + Tin	Soil	11/12/2014	10:45	1	8 oz glass jar	4 C	N
	P007-SS001-0612-01	P007-SS001	TAL Metals + Tin	Soil	11/12/2014	10:50	1	8 oz glass jar	4 C	N
	P007-SS001-1218-01	P007-SS001	TAL Metals + Tin	Soil	11/12/2014	10:55	1	8 oz glass jar	4 C	N
	P007-SS001-1824-01	P007-SS001	TAL Metals + Tin	Soil	11/12/2014	11:00	1	8 oz glass jar	4 C	N
	RB_20141112	P001-SS001	TAL Metals + Tin	DI Water	11/12/2014	12:45	1	1 L poly	HNO3 pH<2	

Special Instructions: TAT 14 days Preliminary. Soil samples collected from the 0-1 interval should be designated for sieving with a 250-micron stainless steel sieve prior to laboratory analysis. Email Preliminary Results to S.Sumbaly@WestonSolutions.com and Michael.Beuthe@WestonSolutions.com.	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #
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Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	 RST	11/14/14 12:00		11/14/14 13:00	

USEPA

Date Shipped: 12/16/2014

Hand Delivered

Airbill No:

CHAIN OF CUSTODY RECORD

R2 Atlas White Metal Co./NY

Contact Name: Michael Beuthe

Contact Phone: (908)-565-2987

No: 2-121614-141329-0004

Cooler # 1

Lab: DESA

Lab Phone: (732)-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-SS003-0001-01	P001-SS003	TAL Metals + Tin	Soil	12/16/2014	11:35	1	8 oz glass jar	4 C	N
	P001-SS003-0106-01	P001-SS003	TAL Metals + Tin	Soil	12/16/2014	11:45	2	8 oz glass jar	4 C	Y
	P001-SS003-0106-02	P001-SS003	TAL Metals + Tin	Soil	12/16/2014	11:45	1	8 oz glass jar	4 C	N
	P001-SS003-0612-01	P001-SS003	TAL Metals + Tin	Soil	12/16/2014	11:50	1	8 oz glass jar	4 C	N
	P001-SS003-1218-01	P001-SS003	TAL Metals + Tin	Soil	12/16/2014	11:59	1	8 oz glass jar	4 C	N
	P001-SS003-1824-01	P001-SS003	TAL Metals + Tin	Soil	12/16/2014	12:10	1	8 oz glass jar	4 C	N
	P001-SS004-0001-01	P001-SS004	TAL Metals + Tin	Soil	12/16/2014	12:18	1	8 oz glass jar	4 C	N
	P001-SS004-0106-01	P001-SS004	TAL Metals + Tin	Soil	12/16/2014	12:23	1	8 oz glass jar	4 C	N
	P001-SS004-0612-01	P001-SS004	TAL Metals + Tin	Soil	12/16/2014	12:30	1	8 oz glass jar	4 C	N
	P001-SS004-1218-01	P001-SS004	TAL Metals + Tin	Soil	12/16/2014	12:40	1	8 oz glass jar	4 C	N

Special Instructions: Soil Samples Collected at the 0-1 inch interval should be designated for sieving with a 250 micron stainless steel sieve prior to laboratory analysis. Email results to S.Sumbaly@WestonSolutions.com and Michael.Beuthe@WestonSolutions.com.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All samples All analysis	<i>M. Beuthe</i> / RST3	12/16/14 14:30	<i>[Signature]</i> / ESAT	12/16/14 01:49	

USEPA

Hand Delivered: 3/25/2015

CHAIN OF CUSTODY RECORD

R2 Atlas White Metal Co./NY
 Michael.beuthe@westonsolutions.com
 (908) 565-2987

No: 2-032515-123441-0005

Lab: DESA
 Lab Address: 2890 Woodbridge Ave.
 Lab Phone: (732)-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-SS005-0001-01	P001-SS005	TAL Metals + Tin	Soil	3/25/2015	11:00	1	8 oz glass jar	4 C	N
	P001-SS005-0106-01	P001-SS005	TAL Metals + Tin	Soil	3/25/2015	11:03	2	8 oz glass jar	4 C	Y
	P001-SS005-0106-02	P001-SS005	TAL Metals + Tin	Soil	3/25/2015	11:04	1	8 oz glass jar	4 C	N
	P001-SS005-0612-01	P001-SS005	TAL Metals + Tin	Soil	3/25/2015	11:15	1	8 oz glass jar	4 C	N
	P001-SS005-1218-01	P001-SS005	TAL Metals + Tin	Soil	3/25/2015	11:22	1	8 oz glass jar	4 C	N
	P001-SS005-1824-01	P001-SS005	TAL Metals + Tin	Soil	3/25/2015	11:36	1	8 oz glass jar	4 C	N
	P001-SS006-0001-01	P001-SS006	TAL Metals + Tin	Soil	3/25/2015	11:46	1	8 oz glass jar	4 C	N
	P001-SS006-0106-01	P001-SS006	TAL Metals + Tin	Soil	3/25/2015	11:51	1	8 oz glass jar	4 C	N
	P001-SS006-0612-01	P001-SS006	TAL Metals + Tin	Soil	3/25/2015	11:54	1	8 oz glass jar	4 C	N
	P001-SS006-1218-01	P001-SS006	TAL Metals + Tin	Soil	3/25/2015	11:57	1	8 oz glass jar	4 C	N

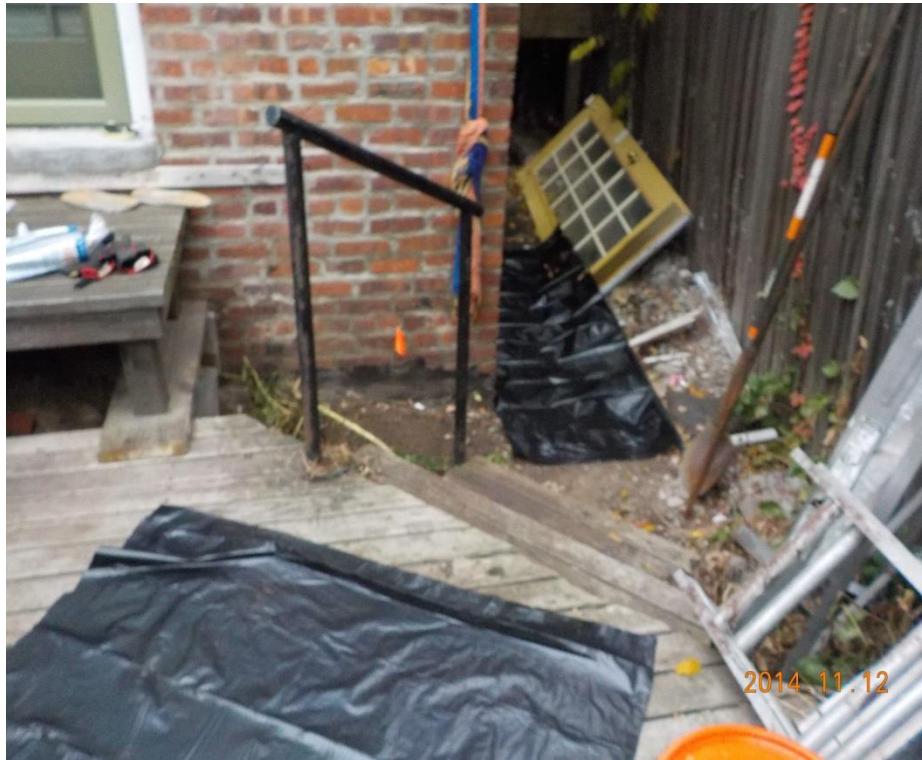
Special Instructions: TAT 14 days Preliminary. Soil samples collected from the 0-1 interval should be designated for sieving with a 250-micron stainless steel sieve prior to laboratory analysis. Email Preliminary Results to S.Sumbaly@WestonSolutions.com and Michael.Beuthe@WestonSolutions.com.	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All samples All Analyses	Michael Beuthe / RSTB	3/25/15-1519			

ATTACHMENT D

Photographic Documentation log

Photographic Documentation Log
Atlas White Metal Company Site
Brooklyn, Kings County, New York
November and December 2014, and March 2015

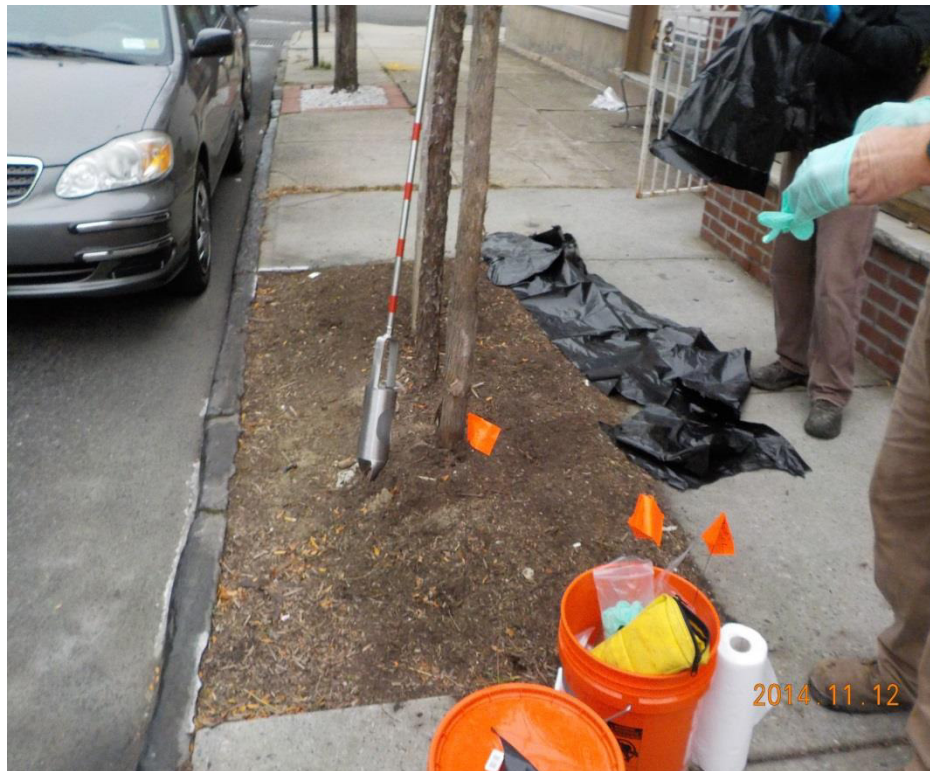


Photograph 1: View of soil sample location P005-SS001 prior to sample location.



Photograph 2: View of soil sample location P006-SS001 during sample collection.

Photographic Documentation Log
Atlas White Metal Company Site
Brooklyn, Kings County, New York
November and December 2014, and March 2015

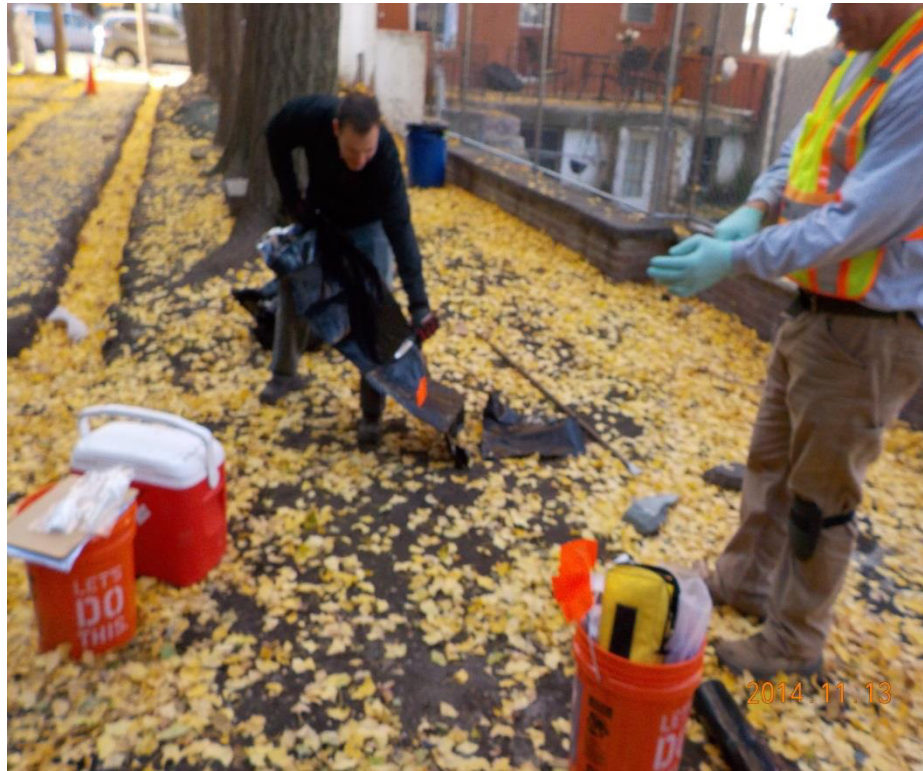


Photograph 3: View of soil sample location P003-SS001 prior to sample collection.



Photograph 4: View of soil sample location P002-SS001 prior to sample collection.

Photographic Documentation Log
Atlas White Metal Company Site
Brooklyn, Kings County, New York
November and December 2014, and March 2015



Photograph 5: View of soil sample location P002-SS002 during sample collection.



Photograph 6: View of soil sample location P001-SS002 during sample collection. P001-SS001 is in the foreground.

Photographic Documentation Log
Atlas White Metal Company Site
Brooklyn, Kings County, New York
November and December 2014, and March 2015



Photograph 7: View of soil sample location P001-SS001 after sample collection.



Photograph 8: View of soil sample location P001-SS003 prior to sample collection.

Photographic Documentation Log
Atlas White Metal Company Site
Brooklyn, Kings County, New York
November and December 2014, and March 2015



Photograph 9: View of soil sample location P001-SS004 prior to sample collection.



Photograph 10: View of soil sample locations P001-SS005 and P001-SS006 prior to sample collection.