UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
2890 WOODBRIDGE AVENUE
EDISON, NJ 08837

November 21, 2013

Joseph and Margaret LaGreca
6 Crescendoe Road
Johnstown, NY 12095

Subject: EPA Investigation at 6 Crescendoe Road

Dear Mr. & Mrs. LaGreca:

In April 2013 the New York State Department of Environmental Conservation ("NYSDEC") requested the United States Environmental Protection Agency ("EPA") to evaluate 6 Crescendoe Road, a residential property bordering the former Karg Brothers Tannery, for a possible Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA") removal action based solely on chromium. Previous samples collected by NYSDEC contractors suggested that soil contamination may be present at the subject property. Specifically, levels of total chromium were found at levels that exceeded NYSDEC regulatory limits, however speciation of chromium to determine the presence of hexavalent chromium was never conducted.

Hexavalent chromium is the most toxic chromium compound as it is known to cause cancer in humans. Trivalent chromium is less toxic than hexavalent chromium, but remains a potential concern when introduced to the human body. Because of their toxic properties it is these constituents that EPA reviews when looking at chromium contaminated properties. EPA compares the results of hexavalent and trivalent chromium to the EPA Regional Removal Management Levels for Chemicals ("RMLs") for evaluation of a removal action under CERCLA. The RMLs for heaxavalent and trivalent chromium are 29 parts per million ("ppm") and 350,000 ppm respectively.

In July 2013 EPA visited the 6 Crescendoe Road property and conducted a soil sampling event. The strategy utilized was based on previous sample locations outlined by the NYSDEC. A total of eleven (11) locations were selected and samples were collected at various intervals ranging from surface to twenty-four (24) inches below grade. Samples were analyzed for total chromium with speciation of hexavalent and trivalent chromium.

Results of samples collected from the 6 Crescendoe Road property did not indicate hexavalent chromium to be at levels of concern. Only one sample was found to have haxavalent chromium at a detectable level, 0.11 ppm, which is well below the EPA RML level. Results indicated the presence of trivalent chromium as high as 3,240 ppm, however this level is also below the EPA RML.

Although analytical results show that levels of total chromium exist in samples collected from the 6 Crescendoe Road property, speciation of chromium indicates that levels of

hexavalent and trivalent chromium do not present a significant threat to human health. This property does not meet the requirements for EPA to conduct a removal action of soils located on the property. Should levels present a concern for the NYSDEC or the City of Johnstown, actions may be taken or recommended by those agencies based on New York regulatory requirements or guidelines. No additional EPA actions or events are planned for 6 Crescendoe Road.

I appreciate your time and attention in this matter. Should you have further concerns or questions, feel free to contact me via information below.

Sincerely,

Keith Glenn
US EPA Region II
Regional Emergency Response Operations
2890 Woodbridge Avenue
Edison, NJ 08837
732-321-4454
glenn.keith@epa.gov

Enclosure

cc: Chandra Cotter, City of Johnstown, City Engineer's Office
Alicia Purzycki, NYSDEC
Scarlett McLaughlin, NYSDOH

Regional Removal Management Levels for Chemicals (RMLs)

MAY 2013

Welcome

Regional Information

- Home Page
- RML Calculator
- Frequently Asked Questions
- Generic RML Tables
- Issues/Contacts

Welcome to the EPA's Regional Removal Management Levels (**RMLs**) website for chemical contaminants. The purpose of this website is to provide updated lists of RMLs to assist On Scene Coordinators (OSC's), and others involved in decision-making concerning Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) removal actions at Superfund sites.

Here you will find generic, risk-based RMLs calculated using the latest toxicity values and exposure assumptions used by EPA's Superfund program. The RMLs were developed by a cross-Regional workgroup of EPA risk assessors and removal site managers. The RMLs are based on the methods used to calculate EPA's Regional Screening Levels (RSLs).

The RMLs and methodology presented on this website will serve as an update to previous lists of Removal Action Levels (RALs) provided by EPA. The most recent list of RALs was published in 1998, and is outdated due to changes in Agency toxicity criteria and risk methodologies.

Previously, RALs were provided only for drinking water. This update provides RMLs for tap (drinking) water and soil, and is consistent with the Federal Superfund program's risk assessment and risk management practices.

For proper application of the RMLs, please follow the instructions presented in this document. To ensure understanding of RML exposure scenarios review the RSL website, in particular, the User Guide, What's New and Frequently Asked Questions pages. The Generic RML Tables are provided and the RSL Calculator can be used to generate RMLs.

Introduction

The increased use of EPA's removal authority has been effective in accelerating the pace of cleanups and has contributed substantially to the number of projects reaching construction completion. Integrating the removal and remedial programs includes the use of related triggers for initiating action and common goals for site cleanup.

The Regional Removal Management Levels (RMLs) presented here are chemical-specific concentrations for individual contaminants in tap water and soil that may be used to support the decision for EPA to undertake a removal action. Although they are not necessarily health protective concentrations for chronic exposure, exceedance of an RML by itself does not imply that adverse health effects will occur. Calculated RMLs should not be confused with or used as Preliminary Remediation Goals (PRGs), cleanup levels or cleanup standards required by the Applicable or Relevant and Appropriate Requirements (ARARs) under CERCLA. RMLs may be used to support the decision to undertake a removal action, but final cleanup levels should be selected to address the site-specific threat.

Methodology

The RMLs are based on exposure and risk assessment methods presented in the Risk Assessment Guidance for Superfund: Volume I, Human Health Evaluation Manual (Part B, Development of Risk-based Preliminary Remediation Goals) (RAGS Part B) and Soil Screening Guidance: User's Guide (PDF), Technical Background Document (PDF) and Supplemental Guidance. RAGS Part B and the Soil Screening Guidance use EPA toxicity

values and exposure information to calculate risk-based screening levels. The relationship of Preliminary Remediation Goals (PRGs) to Regional Screening Levels (RSLs) and RMLs is discussed in more detail in the Frequently Asked Questions.

This website presents "generic" risk-based RMLs for individual chemical contaminants.

Generic RMLs are based on default exposure parameters and factors that represent Reasonable Maximum Exposure (RME) conditions for long-term/chronic exposures. Generic RMLs are provided for tap water and soil in a residential or industrial setting.

The target risk levels for calculating generic RMLs, are an extension of the Superfund program's "Role of the Baseline Risk Assessment in Superfund Remedy Selection Decisions" (OSWER Directive 9355.0-30) guidance which states:

> "Where the cumulative carcinogenic site risk to an individual based on reasonable maximum exposure for both current and future land use is less than 10^{-4} and the non-carcinogenic hazard quotient is less than 1, action generally is not warranted unless there are adverse environmental impacts. However, if Maximum Contaminant Levels (MCLs) or non-zero Maximum Contaminant Level Goals (MCLGs) are exceeded, action generally is warranted."

The guidance cited above describes conditions at a site where remedial action generally is not warranted. As such, the associated risk levels correspond to a **cumulative site risk** less than approximately 10^{-4} for exposure to **multiple** chemicals with potential carcinogenic effects and a Hazard Quotient (HQ) less than 1 for those chemicals with potential non-carcinogenic toxicity. On the other hand since RMLs may be used to support the decision to undertake a removal action at a site, they can correspond to higher risk levels and do not address cumulative risk from exposure to multiple chemicals. Although exceeding MCLs does not trigger a removal action, once the Agency has determined the need for a removal action under CERCLA, typically MCLs should be attained to the extent practicable during the removal action considering the exigencies of the situation. In determining whether ARARs are practicable, the Agency may consider appropriate factors including the urgency of the situation and the scope of the removal action to be taken. For further information on ARARs in the removal action process, please refer to the guidance titled, "Superfund Removal Procedures: Guidance on the Consideration of ARARs During Removal Actions" (USEPA, 1991).

Once again, calculated RMLs are not meant to define protective levels and are not de facto cleanup levels. Thus, generic RMLs correspond to risk levels of approximately 10^{-4} and/or a Hazard Quotient of up to 3 for long-term exposure to **individual** chemicals at a site. A 10^{-4} risk level corresponds to the upper-end of EPA's generally acceptable risk range of 10^{-6} to 10^{-4} as discussed in the National Contingency Plan (NCP), 40 CFR 300.430. The NCP gives no analogous recommended range for non-carcinogenic risks. However, an HQ of 3 is generally considered a reasonable risk level for RMLs for non-carcinogenic chemicals based on the discussion of uncertainty included in EPA's definition of the non-carcinogenic Reference Dose (RfD) and Reference Concentration (RfC). EPA defines the RfD and RfC as:

> "...an estimate (with uncertainty spanning perhaps an order of magnitude) of daily exposure to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime..."

It is unknown for any particular chemical where the RfD/RfC may fall within the order of magnitude range of uncertainty. As a science policy choice, OSWER places the RfD/RfC in the middle of a factor of ten uncertainty range; with a factor of three above and below (i.e., 0.3 to 3). As stated previously, action generally is not warranted at a site where the non-carcinogenic HQ is less than 1; whereas, action may be warranted where the non-carcinogenic HQ exceeds 1. Again, as a science policy choice to aid in prioritizing actions that may warrant the use of removal authority, an HQ of 3 was selected as the upper, target risk level for calculating non-cancer RMLs. However, the generic tables on this website provide risk-based values corresponding to an HQ of 1 and 3 as there may be site-specific and/or chemical specific circumstances where an HQ less than 3 may be more appropriate for calculating RMLs. For example, RMLs corresponding to an HQ of 1 may be more appropriate for those sites where multiple chemicals are present that have RfDs or RfCs based on the same toxic endpoint or where the toxicity of a chemical is such that exceeding the RfD/RfC, even slightly, warrants particular concern.

In addition to providing the user with a table of generic, risk-based RMLs, this website links to the Regional Screening Levels (RSLs) generic tables and the calculation tool which allows users to modify the standardized,

default parameters to calculate site-specific RSLs and RMLs. The generic RSL table corresponds to risk levels of approximately 10-6 and/or an HQ of 1 for long-term exposure to individual chemicals at a site. It is recommended that if an OSC or other risk manager is calculating site specific RSLs or RMLs that a Regional risk assessor be consulted for assistance.

A risk assessor or risk manager may want to calculate RMLs based on short-term exposures. In this case, they would use the RSL calculation tool and reduce the 25 or 30-year default value for exposure duration and also replace the toxicity criteria and risk levels used for chronic exposures with values that are appropriate for the exposure duration and toxicity criteria selected.
Whether the user relies on generic RMLs or chooses to calculate site-specific RMLs, it is important to clearly demonstrate the equations and exposure parameters used in deriving RMLs at a site. A discussion of the assumptions used in the RML calculations should be included in the decision document where site specific RMLs are presented.

Comparison of site concentrations to RMLs is only one factor used in determining the need for a removal action at a site. While EPA's expectation is that removal actions are generally justifiable above the RML, EPA has the flexibility to determine that case-specific conditions do not warrant a removal action. For example, site-specific background or incomplete exposure pathways might indicate that a removal is not necessary, or that another mechanism for addressing the site is more appropriate. In such cases, EPA might refer the site for remedial action, or to a state or other authority, or might choose some other means of addressing the site. Conversely, these generic values cannot account for all chemicals, exposure pathways or receptors that may be present at a site. Thus, a significant health threat may exist at a site even if none of the substances detected exceeds its numeric RML. Flexibility is provided so that additional site-specific factors can be considered like: threat of fire or explosion, exposures from other sources, exposures to multiple contaminants, population sensitivity, the finding of a public health hazard by the Agency for Toxic Substances and Disease Registry (ATSDR), and other factors not directly related to the contaminant concentration. Therefore, a removal action may be initiated if the risk/hazard at a site has been analyzed in detail and the analysis indicates that a serious risk/hazard is present due to site-specific factors.

It is always recommended that if an OSC or other risk manager has questions about RMLs, RSLs, and/or clean up levels that a Regional risk assessor be consulted for assistance.

Note: Radionuclide RMLs are not provided or addressed on this website. EPA's Preliminary Remediation Goals for Radionuclides can be found at the following website (http://epa-prgs.ornl.gov/radionuclides/).

Note: No consideration is given to ecological effects in the values presented in this database tool. Therefore, ecological risk may need to be addressed separately when a removal action based on these RMLs is being considered.

Note: At this time, RMLs for air are not provided or addressed on this website.

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REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

September 27, 2013

Mr. Keith Glenn, On-Scene Coordinator
U.S. Environmental Protection Agency, Region II
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO: EP-W-06-072
TDD NO: TO-0029-0049
DOCUMENT CONTROL NO: RST 2-02-F-2489
SUBJECT: FINAL SAMPLING TRIP REPORT – 6 CRESCENDOE ROAD SITE, JOHNSTOWN, FULTON COUNTY, NEW YORK

Dear Mr. Glenn,

Enclosed please find the Final Sampling Trip Report for the July 2013 sampling event conducted at the 6 Crescendoe Road Site located at 6 Crescendoe Road in Johnstown, Fulton County, New York. The soil sampling event was conducted as part of the Removal Assessment of the Site on July 22 and 23, 2013. The U.S. Environmental Protection Agency comments regarding the Draft Sampling Trip Report have been incorporated. If you have any questions, please do not hesitate to contact me at (732) 585-4411.

Sincerely,

Weston Solutions, Inc.

for Peter Lisichenko
RST 2 Site Project Manager/Group Leader

Enclosure
cc: TDD File No: TO-0029-0049

FINAL SAMPLING TRIP REPORT

SITE NAME:	6 Crescendoe Road
DC NO.:	RST 2-02-F-2489
TDD NO.:	TO-0029-0049
EPA CERCLIS NO.:	NYN00206691
SAMPLING DATE:	July 23, 2013

1. Site Location: 6 Crescendoe Road, Johnstown, Fulton County, New York (Refer to Attachment A, Figure 1, Site Location Map)

2. Sample Locations: Refer to Attachment A, Figure 2, Sample Location and Analytical Results Map and Attachment B, Table 1, Sample Collection Information Table

3. Introduction/Background:

The 6 Crescendoe Road Site (the Site) is a residential property located in Johnstown, Fulton County, New York. The 0.27 acre property is bordered by residential properties to the west and east, Crescendoe Road to the north, and the former Karg Brothers Tannery to the south. Extensive environmental remediation projects have occurred at the former tannery including removal of hazardous wastes, soil abatement, and building demolition. Through grants and other programs, including the Brownfields Program, The New York State Department of Environmental Conservation (NYSDEC) has been working with the City of Johnstown, New York to clean-up the Site.

Remedial investigation began at the former Karg Brothers Tannery in 2010. As part of the investigation, samples were collected from residential properties from 2011 through 2013. Heavy metals were detected in the residential samples, specifically elevated concentrations of chromium. Soil samples collected from the surface to 5 feet in depth contained total chromium concentrations ranging from non-detect to 6,250 parts per million (ppm). The highest concentrations of total chromium were found in the 0 to 1 foot depth interval. In June 2013, the NYSDEC requested that the U.S. Environmental Protection Agency (EPA) assess the Site as a potential candidate for the removal program.

4. Removal Assessment Summary:

On July 22, 2013, Weston Solutions, Inc., Removal Support Team 2 (RST 2) mobilized to the Site to conduct Removal Assessment soil sampling activities at one residential property located north of the former Karg Brothers Tannery. The property was assigned a unique identifier number - P001. RST 2 was tasked with the collection of soil samples from 11 soil borings advanced throughout the P001 property. On July 23, 2013, RST 2 collected 58 soil samples, including three field duplicates, from the 11 soil borings. Five soil samples were collected from each advanced soil borings at depths of 0-2 inch, 2-6 inches, 6-12 inches, 12-18 inches, and 18-24 inches. The sample locations were selected based on the locations sampled by NYSDEC as part of the June 2013 sampling event. All samples collected from the Site were to be analyzed

for total chromium, trivalent chromium, and hexavalent chromium. As part of the chromium analyses, all samples would also be analyzed for pH and redox potential.

5. Sampling Methodology:

Soil samples were collected from 11 soil boring locations (P001-SS001 through P001-SS011) based on previous NYSDEC investigations and as determined by the EPA On-Scene Coordinator (OSC). All soil borings were advanced utilizing stainless steel hand augers. Five soil samples were collected from each advanced soil borings at depths of 0-2 inch, 2-6 inches, 6-12 inches, 12-18 inches, and 18-24 inches. A total of 58 soil samples, including three field duplicates, were collected from the 11 soil borings advanced throughout the P001 property. Samples were sifted to remove rocks, clumps and debris, homogenized, and transferred to one 4-ounce jar to be submitted for laboratory analysis. All soil sampling activities were conducted in accordance with guidelines outlined in EPA/Environmental Response Team (ERT) Standard Operating Procedure (SOP) Nos. 2001 and 2012. All stainless steel equipment used during field sampling activities was decontaminated in accordance to EPA/ERT SOP No. 2006 prior to and subsequent to sampling. One rinsate blank was collected from the non-dedicated sampling equipment utilized to collect the samples to determine the effectiveness of the equipment decontamination procedure and to prevent cross contamination between sample locations. All soil samples and the one rinsate blank were submitted to an RST 2-procured laboratory for total chromium, trivalent chromium, and hexavalent chromium analyses. As part of the chromium analyses, all samples would also be analyzed for pH and redox potential.

6. Laboratories Receiving Samples:

Sample Matrix	Sample Quantity	Analyses	Laboratory
Soil	58	Total Chromium; Trivalent Chromium; Hexavalent Chromium; pH; Redox Potential	Chemtech Consulting Group 284 Sheffield Street Mountainside, NJ 07092
Rinsate Blank	1		

7. Personnel On-Site:

Name	Representing	Duties
Keith Glenn	EPA OSC, Region II	EPA On-Scene Coordinator
Pete Lisichenko	RST 2, Region II	Site Project Manager, Sample Collection, Sample Management, Site Health and Safety
Brittney Kelly	RST 2, Region II	Sample Management

EPA = U.S. Environmental Protection Agency
OSC = On-Scene Coordinator
RST 2 = Weston Solutions, Inc., Removal Support Team 2

8. Sample Dispatch Data:

On January 24, 2013, RST 2 hand-delivered 58 soil samples, including three field duplicates, and one rinsate blank to the Chemtech Consulting Group laboratory located in Mountainside, New Jersey for total chromium, trivalent chromium, and hexavalent chromium analyses under Chain of Custody Record No. 2-072313-145217-0001.

9. Analytical Summary:

Based on the validated analytical results, total chromium and trivalent chromium were detected in all 58 soil samples collected from the P001 property. The total chromium and trivalent chromium concentrations ranged between 10.5 J milligrams per kilogram (mg/Kg) and 3,240 J mg/Kg. The validated analytical data for the samples collected from the Site were compared against the EPA Removal Management Levels (RMLs). There is no established EPA RML for total chromium and the EPA RML for trivalent chromium is 350,000 mg/Kg. Trivalent chromium was not detected in any of the soil samples at concentrations exceeding the EPA RML.

Based on the validated analytical results, hexavalent chromium was only detected in one soil sample collected from the P001 property. Hexavalent chromium was detected in soil sample P001-SS001-1218-01 at a concentration of 0.11 J mg/Kg. The EPA RML for hexavalent chromium is 29 mg/Kg. Hexavalent chromium was not detected in any of the soil samples at concentrations exceeding the EPA RML.

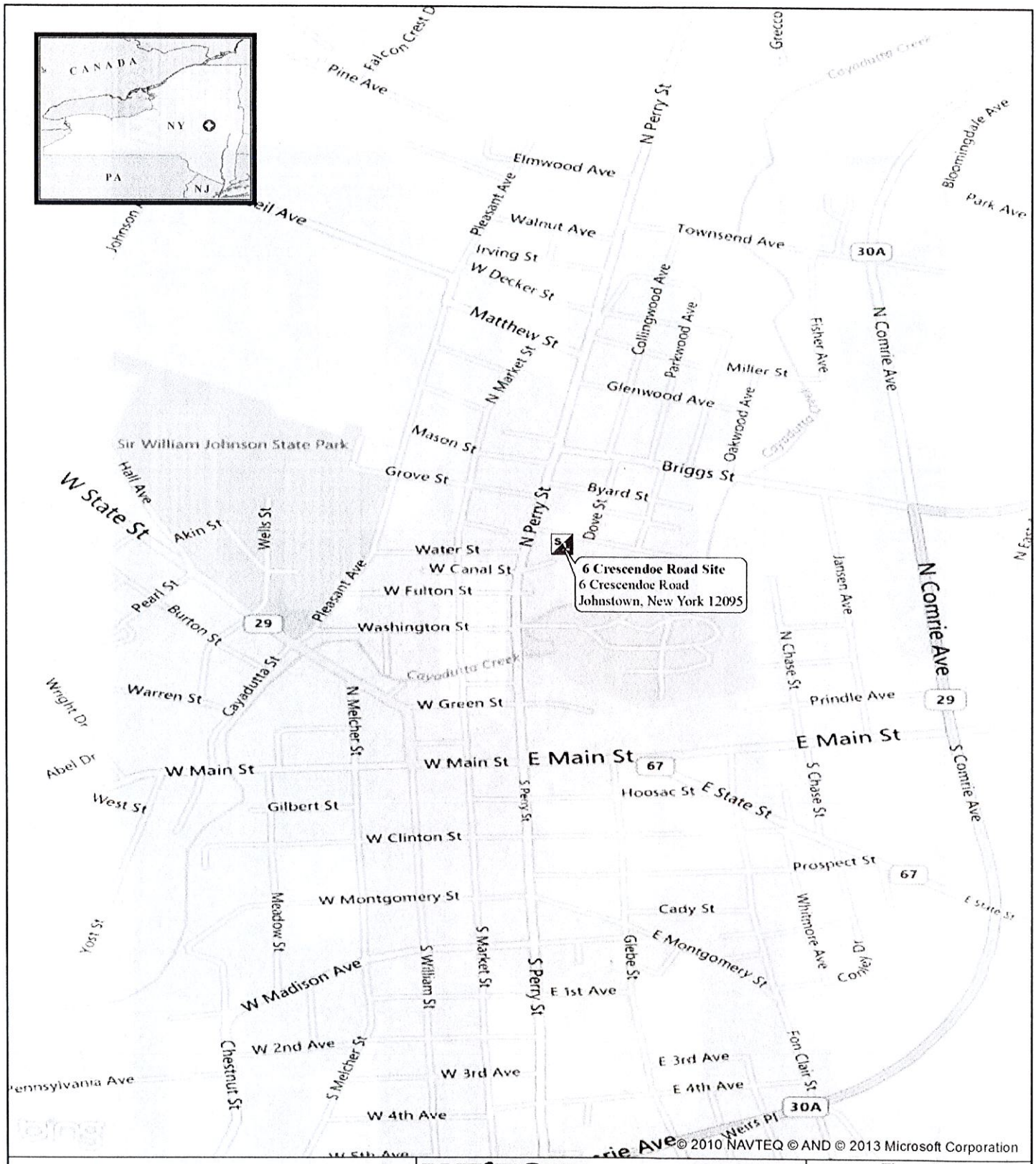
For reference purposes of this report, Attachment A contains Figure 1: Site Location Map and Figure 2: Sample Location and Analytical Results Map; Attachment B contains Table 1: Sample Collection Information Table and Table 2: Validated Analytical Data Summary Table; Attachment C contains the Chain of Custody Record; Attachment D contains the Photographic Documentation; and Attachment E contains the Validated Analytical Data.

Report Prepared By: _____ Date 9/27/13
for Peter Lisichenko
Site Project Manager, RST 2

Report Reviewed By: _____ Date 9/27/13
Timothy Benton
Operations Leader, RST 2

ATTACHMENT A

Figure 1: Site Location Map
Figure 2: Sample Location and Analytical Results Map



Legend

Site Location

N

0 450 900 1,800 2,700 3,600 Feet

Weston Solutions, Inc.
East Division

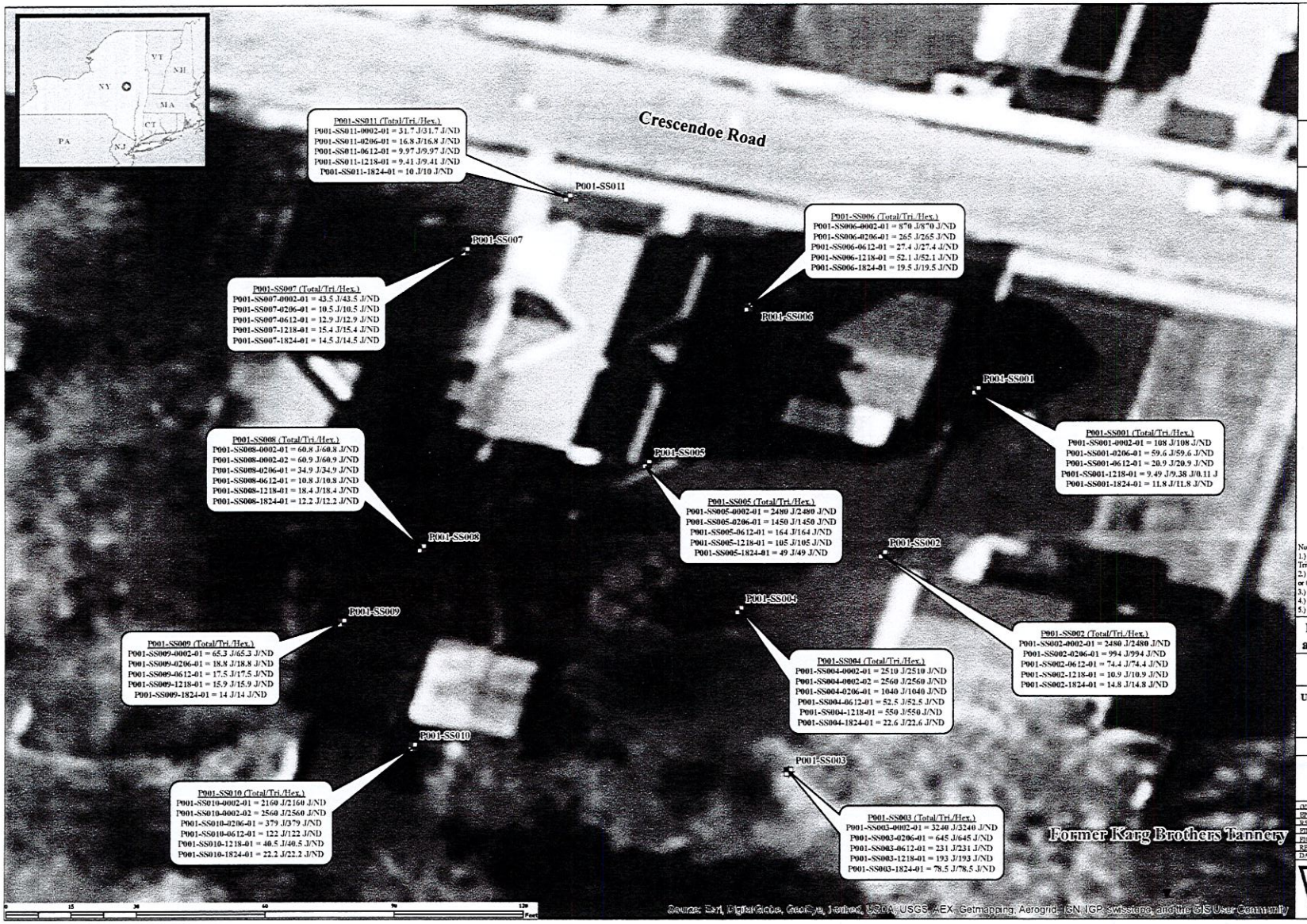
In Association With
Avatar Environmental, LLC.,
H & S Environmental, Inc. and
Scientific and Environmental Associates, Inc.

Figure 1:
Site Location Map

6 CRESCENDOE ROAD SITE
JOHNSTOWN, NEW YORK

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DATE MODIFIED:	09/24/2013
GIS ANALYST:	P. LISICHENKO
EPA OSC:	K. GLENN
RST SPM:	P. LISICHENKO
FILENAME:	SITEMAP.MXD



N
W
E
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SCALE

1:250

LEGEND

Soil Boring Location

Notes:
1.) (Total/Tri./Hex.) = Total Chromium/ Trivalent Chromium/Hexavalent Chromium.
2.) No samples contained concentrations of hexavalent or trivalent chromium above their respective EPA RML.
3.) Data presented in milligrams per kilogram (mg/Kg).
4.) J = Estimated value.
5.) ND = Non Detect.

Figure 2: Sample Location and Analytical Results Map

6 CRESCENDOE ROAD SITE
JOHNSTOWN, NEW YORK

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

Weston Solutions, Inc.

In Association With
H & S Environmental, Inc.,
Innovative Technical Solutions, Inc. &
Avatar Environmental, LLC

GIS ANALYST:	T. BENTON
EPA QSC:	K. OLSEN
WST PRM:	P. LISICHENKO
FILENAME:	SAMPLE LOCATION MAP.MXD
FIGURE:	2
REVISION:	0
DATE MODIFIED:	09/24/2013

WESTON SOLUTIONS

ATTACHMENT B

Table 1: Sample Collection Information Table
Table 2: Validated Analytical Data Summary Table

Table 1: Sample Collection Information Table
6 Crescendoe Road Site
Johnstown, Fulton County, New York
July 23, 2013

Sample ID	Sample Location	Sample Date	Sample Time	Matrix	Collection	Sample Type	Analysis
P001-SS001-0002-01	P001-SS001	7/23/2013	09:10	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS001-0206-01	P001-SS001	7/23/2013	09:12	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS001-0612-01	P001-SS001	7/23/2013	09:14	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS001-1218-01	P001-SS001	7/23/2013	09:15	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS001-1824-01	P001-SS001	7/23/2013	09:17	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS002-0002-01	P001-SS002	7/23/2013	09:20	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS002-0206-01	P001-SS002	7/23/2013	09:21	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS002-0612-01	P001-SS002	7/23/2013	09:24	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS002-1218-01	P001-SS002	7/23/2013	09:25	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS002-1824-01	P001-SS002	7/23/2013	09:26	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS003-0002-01	P001-SS003	7/23/2013	09:32	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS003-0206-01	P001-SS003	7/23/2013	09:34	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS003-0612-01	P001-SS003	7/23/2013	09:34	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS003-1218-01	P001-SS003	7/23/2013	09:35	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS003-1824-01	P001-SS003	7/23/2013	09:36	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS004-0002-01	P001-SS004	7/23/2013*	09:44	Soil	Grab	MS/MSD	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS004-0002-02	P001-SS004	7/23/2013*	09:44	Soil	Grab	Field Duplicate	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS004-0206-01	P001-SS004	7/23/2013	09:45	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS004-0612-01	P001-SS004	7/23/2013	09:46	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS004-1218-01	P001-SS004	7/23/2013	09:47	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS004-1824-01	P001-SS004	7/23/2013	09:48	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS005-0002-01	P001-SS005	7/23/2013*	09:55	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS005-0206-01	P001-SS005	7/23/2013	09:56	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS005-0612-01	P001-SS005	7/23/2013	09:58	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS005-1218-01	P001-SS005	7/23/2013	09:59	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS005-1824-01	P001-SS005	7/23/2013	10:01	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS006-0002-01	P001-SS006	7/23/2013*	10:11	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS006-0206-01	P001-SS006	7/23/2013	10:13	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS006-0612-01	P001-SS006	7/23/2013	10:14	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS006-1218-01	P001-SS006	7/23/2013	10:15	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS006-1824-01	P001-SS006	7/23/2013	10:16	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium

* Inadvertantly listed as 7/22/2013 on the COC Record.
NA = Not Applicable
MS/MSD = Matrix Spike/Matrix Spike Duplicate

Table 1: Sample Collection Information Table
6 Crescendoe Road Site
Johnstown, Fulton County, New York
July 23, 2013

Sample ID	Sample Location	Sample Date	Sample Time	Matrix	Collection	Sample Type	Analysis
P001-SS007-0002-01	P001-SS007	7/23/2013*	10:27	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS007-0206-01	P001-SS007	7/23/2013	10:27	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS007-0612-01	P001-SS007	7/23/2013	10:28	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS007-1218-01	P001-SS007	7/23/2013	10:30	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS007-1824-01	P001-SS007	7/23/2013	10:31	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS008-0002-01	P001-SS008	7/23/2013*	10:40	Soil	Grab	MS/MSD	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS008-0002-02	P001-SS008	7/23/2013*	10:40	Soil	Grab	Field Duplicate	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS008-0206-01	P001-SS008	7/23/2013	10:42	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS008-0612-01	P001-SS008	7/23/2013	10:45	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS008-1218-01	P001-SS008	7/23/2013	10:46	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS008-1824-01	P001-SS008	7/23/2013	10:47	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS009-0002-01	P001-SS009	7/23/2013*	10:52	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS009-0206-01	P001-SS009	7/23/2013	10:54	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS009-0612-01	P001-SS009	7/23/2013	10:55	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS009-1218-01	P001-SS009	7/23/2013	10:59	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS009-1824-01	P001-SS009	7/23/2013	11:01	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS010-0002-01	P001-SS010	7/23/2013*	11:10	Soil	Grab	MS/MSD	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS010-0002-02	P001-SS010	7/23/2013*	11:10	Soil	Grab	Field Duplicate	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS010-0206-01	P001-SS010	7/23/2013	11:11	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS010-0612-01	P001-SS010	7/23/2013	11:12	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS010-1218-01	P001-SS010	7/23/2013	11:14	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS010-1824-01	P001-SS010	7/23/2013	11:15	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS011-0002-01	P001-SS011	7/23/2013*	11:32	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS011-0206-01	P001-SS011	7/23/2013*	11:35	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS011-0612-01	P001-SS011	7/23/2013*	11:36	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS011-1218-01	P001-SS011	7/23/2013*	11:37	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
P001-SS011-1824-01	P001-SS011	7/23/2013*	11:38	Soil	Grab	Field Sample	Total Chromium, Trivalent Chromium, and Hexavalent Chromium
RB-130723	NA	7/23/2013	15:00	Rinsate Blank	Grab	Rinsate Blank	Total Chromium, Trivalent Chromium, and Hexavalent Chromium

* Inadvertantly listed as 7/22/2013 on the COC Record.
NA = Not Applicable
MS/MSD = Matrix Spike/Matrix Spike Duplicate

Table 2: Validated Analytical Data Summary Table - Inorganics
6 Crescendoe Road Site
Johnstown, Fulton County, New York
July 23, 2013

Sample ID	EPA Removal Management Levels (RMLs)	P001-SS001-0002-01	P001-SS001-0206-01	P001-SS001-0612-01	P001-SS001-1218-01	P001-SS001-1824-01	P001-SS002-0002-01	P001-SS002-0206-01	P001-SS002-0612-01	P001-SS002-1218-01	P001-SS002-1824-01
Sampling Date		7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
Sample Depth (in)		0-2	2-6	6-12	12-18	18-24	0-2	2-6	6-12	12-18	18-24
Total Chromium (mg/Kg)	NS	108 J	59.6 J	20.9 J	9.49 J	11.8 J	2480 J	994 J	74.4 J	10.9 J	14.8 J
Trivalent Chromium (mg/Kg)	350,000	108 J	59.6 J	20.9 J	9.38 J	11.8 J	2480 J	994 J	74.4 J	10.9 J	14.8 J
Hexavalent Chromium (mg/Kg)	29	0.26 U	0.243 U	0.228 U	0.11 J	0.24 U	0.266 U	0.25 U	0.242 U	0.231 U	0.224 U
pH	NS	7.92 J	7.94 J	8.38 J	8.44 J	8.47 J	7.75 J	8.03 J	7.87 J	8.61 J	7.96 J
Redox Potential (mV)	NS	190	187	183	205	181	237	219	231	148	173

Sample ID	EPA Removal Management Levels (RMLs)	P001-SS003-0002-01	P001-SS003-0206-01	P001-SS003-0612-01	P001-SS003-1218-01	P001-SS003-1824-01	P001-SS004-0002-01	P001-SS004-0002-02	P001-SS004-0206-01	P001-SS004-0612-01	P001-SS004-1218-01
Sampling Date		7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
Sample Depth (in)		0-2	2-6	6-12	12-18	18-24	0-2	0-2	2-6	6-12	12-18
Total Chromium (mg/Kg)	NS	3240 J	645 J	231 J	193 J	78.5 J	2510 J	2560 J	1040 J	52.5 J	550 J
Trivalent Chromium (mg/Kg)	350,000	3240 J	645 J	231 J	193 J	78.5 J	2510 J	2560 J	1040 J	52.5 J	550 J
Hexavalent Chromium (mg/Kg)	29	0.27 U	0.224 U	0.242 U	0.255 U	0.242 U	0.261 U	0.261 U	0.24 U	0.232 U	0.26 U
pH	NS	6.46 J	6.85 J	6.9 J	7.26 J	7.36 J	7.57 J	7.71 J	8.18 J	8.37 J	7.98 J
Redox Potential (mV)	NS	303	276	248	261	304	219	198	201	172	216

Sample ID	EPA Removal Management Levels (RMLs)	P001-SS004-1824-01	P001-SS005-0002-01	P001-SS005-0206-01	P001-SS005-0612-01	P001-SS005-1218-01	P001-SS005-1824-01	P001-SS006-0002-01	P001-SS006-0206-01	P001-SS006-0612-01	P001-SS006-1218-01
Sampling Date		7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
Sample Depth (in)		18-24	0-2'	2-6	6-12	12-18	18-24	0-2	2-6	6-12	12-18
Total Chromium (mg/Kg)	NS	22.6 J	2480 J	1450 J	164 J	105 J	49 J	870 J	265	27.4 J	52.1 J
Trivalent Chromium (mg/Kg)	350,000	22.6 J	2480 J	1450 J	164 J	105 J	49 J	870 J	265	27.4 J	52.1 J
Hexavalent Chromium (mg/Kg)	29	0.251 U	0.308 U	0.286 U	0.267 U	0.252 U	0.252 U	0.262 U	0.246 U	0.247 U	0.242 U
pH	NS	7.68 J	7.61 J	7.73 J	7.92 J	7.58 J	7.67 J	7.42 J	7.78 J	7.89 J	8.15 J
Redox Potential (mV)	NS	208	221	253	130	218	243	269	252	216	214

Notes:
* Total chromium and hexavalent chromium analytical results for rinsate blank sample RB-130723 presented in ug/L and mg/L, respectively.
EPA - U.S. Environmental Protection Agency
in - inches
mV - millivolts
mg/Kg - milligram per kilogram
NA - Not applicable
NS - Not specified
U - Not detected at or above the reporting limit
J - Estimated value
No samples contained concentrations of hexavalent or trivalent chromium above their respective EPA RML.

Table 2: Validated Analytical Data Summary Table - Inorganics
6 Crescendoe Road Site
Johnstown, Fulton County, New York
July 23, 2013

Sample ID	EPA Removal Management Levels (RMLs)	P001-SS006-1824-01	P001-SS007-0002-01	P001-SS007-0206-01	P001-SS007-0612-01	P001-SS007-1218-01	P001-SS007-1824-01	P001-SS008-0002-01	P001-SS008-0002-02	P001-SS008-0206-01	P001-SS008-0612-01
Sampling Date		7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
Sample Depth (in)		18-24	0-2	2-6	6-12	12-18	18-24	0-2	0-2	2-6	6-12
Total Chromium (mg/Kg)	NS	19.5 J	43.5 J	10.5 J	12.9 J	15.4 J	14.5 J	60.8 J	60.9 J	34.9 J	10.8 J
Trivalent Chromium (mg/Kg)	350,000	19.5 J	43.5 J	10.5 J	12.9 J	15.4 J	14.5 J	60.8 J	60.9 J	34.9 J	10.8 J
Hexavalent Chromium (mg/Kg)	29	0.244 U	0.249 U	0.243 U	0.246 U	0.248 U	0.248 U	0.265 U	0.268 U	0.248 U	0.246 U
pH	NS	7.88 J	6.34 J	6.28 J	6.5 J	6.59 J	6.96 J	5.93 J	5.73 J	6.11 J	6.65 J
Redox Potential (mV)	NS	242	277	331	306	280	257	336	350	342	252

Sample ID	EPA Removal Management Levels (RMLs)	P001-SS008-1218-01	P001-SS008-1824-01	P001-SS009-0002-01	P001-SS009-0206-01	P001-SS009-0612-01	P001-SS009-1218-01	P001-SS009-1824-01	P001-SS010-0002-01	P001-SS010-0002-02	P001-SS010-0206-01
Sampling Date		7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
Sample Depth (in)		12-18	18-24	0-2	2-6	6-12	12-18	18-24	0-2	0-2	2-6
Total Chromium (mg/Kg)	NS	18.4 J	12.2 J	65.3 J	18.8 J	17.5 J	15.9 J	14 J	2160 J	2560 J	379 J
Trivalent Chromium (mg/Kg)	350,000	18.4 J	12.2 J	65.3 J	18.8 J	17.5 J	15.9 J	14 J	2160 J	2560 J	379 J
Hexavalent Chromium (mg/Kg)	29	0.25 U	0.244 U	0.266 U	0.238 U	0.252 U	0.273 U	0.252 U	0.272 U	0.27 U	0.246 U
pH	NS	7.23 J	7.4 J	6.1 J	6.01 J	6.19 J	6.47 J	6.68 J	7.1 J	7.15 J	7.6 J
Redox Potential (mV)	NS	255	195.9	258	328	280	283	308	260	276	247

Sample ID	EPA Removal Management Levels (RMLs)	P001-SS010-0612-01	P001-SS010-1218-01	P001-SS010-1824-01	P001-SS011-0002-01	P001-SS011-0206-01	P001-SS011-0612-01	P001-SS011-1218-01	P001-SS011-1824-01	RB-130723*
Sampling Date		7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
Sample Depth (in)		6-12	12-18	18-24	0-2	2-6	6-12	12-18	18-24	NA
Total Chromium (mg/Kg)	NS	122 J	40.5 J	22.2 J	31.7 J	16.8 J	9.97 J	9.41 J	10 J	1.25 U
Trivalent Chromium (mg/Kg)	350,000	122 J	40.5 J	22.2 J	31.7 J	16.8 J	9.97 J	9.41 J	10 J	NA
Hexavalent Chromium (mg/Kg)	29	0.288 U	0.26 U	0.246 U	0.276 U	0.254 U	0.26 U	0.268 U	0.26 U	0.005 U
pH	NS	7.22 J	7.27 J	7.08 J	6.84 J	6.96 J	7.02 J	7.04 J	7.08 J	NA
Redox Potential (mV)	NS	281	256	241	260	268	222	258	277	NA

Notes:
* Total chromium and hexavalent chromium analytical results for rinsate blank sample RB-130723 presented in ug/L and mg/L, respectively.
EPA - U.S. Environmental Protection Agency
in - inches
mV - millivolts
mg/Kg - milligram per kilogram
NA - Not applicable
NS - Not specified
U - Not detected at or above the reporting limit
J - Estimated value

No samples contained concentrations of hexavalent or trivalent chromium above their respective EPA RML.

ATTACHMENT C

Chain of Custody Record

Weston Solutions, Inc.
DateShipped: 7/24/2013
Hand Delivered
PO#: 0083362

CHAIN OF CUSTODY RECORD
RFP # 261
Contact Name: Peter Lisichenko
Contact Phone: 603-512-4350

No: 2-072313-145217-0001
Cooler #: 1
Lab: ChemTech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	P001-SS001-0002-01	P001-SS001	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:10	1	4 oz Glass Jar	4 C	N
	P001-SS001-0206-01	P001-SS001	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:12	1	4 oz Glass Jar	4 C	N
	P001-SS001-0612-01	P001-SS001	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:14	1	4 oz Glass Jar	4 C	N
	P001-SS001-1218-01	P001-SS001	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:15	1	4 oz Glass Jar	4 C	N
	P001-SS001-1824-01	P001-SS001	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:17	1	4 oz Glass Jar	4 C	N
	P001-SS002-0002-01	P001-SS002	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:20	1	4 oz Glass Jar	4 C	N
	P001-SS002-0206-01	P001-SS002	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:21	1	4 oz Glass Jar	4 C	N
	P001-SS002-0612-01	P001-SS002	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:24	1	4 oz Glass Jar	4 C	N
	P001-SS002-1218-01	P001-SS002	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:25	1	4 oz Glass Jar	4 C	N
	P001-SS002-1824-01	P001-SS002	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:26	1	4 oz Glass Jar	4 C	N
	P001-SS003-0002-01	P001-SS003	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:32	1	4 oz Glass Jar	4 C	N

Special Instructions: RFP#: 261
PO#: 0083362
TAT of 2 weeks for verbal, three weeks for hardcopy
Trivalent chromium to be calculated by laboratory and reported.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL SAMPLES ALL ANALYSIS		7/24/13									

Weston Solutions, Inc.
DateShipped: 7/24/2013
Hand Delivered
PO#: 0083362

CHAIN OF CUSTODY RECORD
RFP # 261
Contact Name: Peter Lisichenko
Contact Phone: 603-512-4350

No: 2-072313-145217-0001
Cooler #: 1
Lab: ChemTech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	P001-SS003-0206-01	P001-SS003	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:34	1	4 oz Glass Jar	4 C	N
	P001-SS003-0612-01	P001-SS003	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:34	1	4 oz Glass Jar	4 C	N
	P001-SS003-1218-01	P001-SS003	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:35	1	4 oz Glass Jar	4 C	N
	P001-SS003-1824-01	P001-SS003	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:36	1	4 oz Glass Jar	4 C	N
	P001-SS004-0002-01	P001-SS004	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	09:44	2	4 oz Glass Jar	4 C	Y
	P001-SS004-0002-02	P001-SS004	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	09:44	1	4 oz Glass Jar	4 C	N
	P001-SS004-0206-01	P001-SS004	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:45	1	4 oz Glass Jar	4 C	N
	P001-SS004-0612-01	P001-SS004	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:46	1	4 oz Glass Jar	4 C	N
	P001-SS004-1218-01	P001-SS004	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:47	1	4 oz Glass Jar	4 C	N
	P001-SS004-1824-01	P001-SS004	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:48	1	4 oz Glass Jar	4 C	N
	P001-SS005-0002-01	P001-SS005	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	09:55	1	4 oz Glass Jar	4 C	N

Special Instructions: RFP#: 261
PO#: 0083362
TAT of 2 weeks for verbal, three weeks for hardcopy
Trivalent chromium to be calculated by laboratory and reported.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL SAMPLES ALL ANALYSES		7/24/13									

Weston Solutions, Inc.
DateShipped: 7/24/2013
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PO#: 0083362

CHAIN OF CUSTODY RECORD
RFP # 261
Contact Name: Peter Lisichenko
Contact Phone: 603-512-4350

No: 2-072313-145217-0001
Cooler #: 1
Lab: ChemTech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	P001-SS005-0206-01	P001-SS005	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:56	1	4 oz Glass Jar	4 C	N
	P001-SS005-0612-01	P001-SS005	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:58	1	4 oz Glass Jar	4 C	N
	P001-SS005-1218-01	P001-SS005	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	09:59	1	4 oz Glass Jar	4 C	N
	P001-SS005-1824-01	P001-SS005	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:01	1	4 oz Glass Jar	4 C	N
	P001-SS006-0002-01	P001-SS006	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	10:11	1	4 oz Glass Jar	4 C	N
	P001-SS006-0206-01	P001-SS006	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:13	1	4 oz Glass Jar	4 C	N
	P001-SS006-0612-01	P001-SS006	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:14	1	4 oz Glass Jar	4 C	N
	P001-SS006-1218-01	P001-SS006	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:15	1	4 oz Glass Jar	4 C	N
	P001-SS006-1824-01	P001-SS006	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:16	1	4 oz Glass Jar	4 C	N
	P001-SS007-0002-01	P001-SS007	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	10:27	1	4 oz Glass Jar	4 C	N
	P001-SS007-0206-01	P001-SS007	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:27	1	4 oz Glass Jar	4 C	N

Special Instructions: RFP#: 261
PO#: 0083362
TAT of 2 weeks for verbal, three weeks for hardcopy
Trivalent chromium to be calculated by laboratory and reported.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL SAMPLES ALL ANALYSIS		7/24/13									

Weston Solutions, Inc.
DateShipped: 7/24/2013
Hand Delivered
PO#: 0083362

CHAIN OF CUSTODY RECORD
RFP # 261
Contact Name: Peter Lisichenko
Contact Phone: 603-512-4350

No: 2-072313-145217-0001
Cooler #: 1
Lab: ChemTech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	P001-SS007-0612-01	P001-SS007	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:28	1	4 oz Glass Jar	4 C	N
	P001-SS007-1218-01	P001-SS007	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:30	1	4 oz Glass Jar	4 C	N
	P001-SS007-1824-01	P001-SS007	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:31	1	4 oz Glass Jar	4 C	N
	P001-SS008-0002-01	P001-SS008	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	10:40	2	4 oz Glass Jar	4 C	Y
	P001-SS008-0002-02	P001-SS008	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	10:40	1	4 oz Glass Jar	4 C	N
	P001-SS008-0206-01	P001-SS008	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:42	1	4 oz Glass Jar	4 C	N
	P001-SS008-0612-01	P001-SS008	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:45	1	4 oz Glass Jar	4 C	N
	P001-SS008-1218-01	P001-SS008	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:46	1	4 oz Glass Jar	4 C	N
	P001-SS008-1824-01	P001-SS008	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:47	1	4 oz Glass Jar	4 C	N
	P001-SS009-0002-01	P001-SS009	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	10:52	1	4 oz Glass Jar	4 C	N
	P001-SS009-0206-01	P001-SS009	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:54	1	4 oz Glass Jar	4 C	N

Special Instructions: RFP#: 261
PO#: 0083362
TAT of 2 weeks for verbal, three weeks for hardcopy
Trivalent chromium to be calculated by laboratory and reported.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL SAMPLES ALL ANALYSIS		7/24/13									

Weston Solutions, Inc.
DateShipped: 7/24/2013
Hand Delivered
PO#: 0083362

CHAIN OF CUSTODY RECORD
RFP # 261
Contact Name: Peter Lisichenko
Contact Phone: 603-512-4350

No: 2-072313-145217-0001
Cooler #: 1
Lab: ChemTech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	P001-SS009-0612-01	P001-SS009	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:55	1	4 oz Glass Jar	4 C	N
	P001-SS009-1218-01	P001-SS009	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	10:59	1	4 oz Glass Jar	4 C	N
	P001-SS009-1824-01	P001-SS009	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	11:01	1	4 oz Glass Jar	4 C	N
	P001-SS010-0002-01	P001-SS010	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	11:10	2	4 oz Glass Jar	4 C	Y
	P001-SS010-0002-02	P001-SS010	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	11:10	1	4 oz Glass Jar	4 C	N
	P001-SS010-0206-01	P001-SS010	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	11:11	1	4 oz Glass Jar	4 C	N
	P001-SS010-0612-01	P001-SS010	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	11:12	1	4 oz Glass Jar	4 C	N
	P001-SS010-1218-01	P001-SS010	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	11:14	1	4 oz Glass Jar	4 C	N
	P001-SS010-1824-01	P001-SS010	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/23/2013	11:15	1	4 oz Glass Jar	4 C	N
	P001-SS011-0002-01	P001-SS011	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	11:32	1	4 oz Glass Jar	4 C	N
	P001-SS011-0206-01	P001-SS011	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	11:35	1	4 oz Glass Jar	4 C	N

Special Instructions: RFP#: 261
PO#: 0083362
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SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL SAMPLES ALL ANALYSES		7/24/13									

Weston Solutions, Inc.
DateShipped: 7/24/2013
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PO#: 0083362

CHAIN OF CUSTODY RECORD
RFP # 261
Contact Name: Peter Lisichenko
Contact Phone: 603-512-4350

No: 2-072313-145217-0001
Cooler #: 1
Lab: ChemTech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	P001-SS011-0612-01	P001-SS011	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	11:36	1	4 oz Glass Jar	4 C	N
	P001-SS011-1218-01	P001-SS011	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	11:37	1	4 oz Glass Jar	4 C	N
	P001-SS011-1824-01	P001-SS011	Total Chromium, Hex. Chromium, Eh, pH and % Solid	Soil	7/22/2013	11:38	1	4 oz Glass Jar	4 C	N
	RB-130723	UNKNOWN	Hexavalent Chromium	Water	7/23/2013	15:00	1	1 liter plastic	4 C	N
	RB-130723	UNKNOWN	Total Chromium	Water	7/23/2013	15:00	1	1 liter plastic	HNO3 pH<2	N

Special Instructions: RFP#: 261
PO#: 0083362
TAT of 2 weeks for verbal, three weeks for hardcopy
Trivalent chromium to be calculated by laboratory and reported.

SAMPLES TRANSFERRED FROM

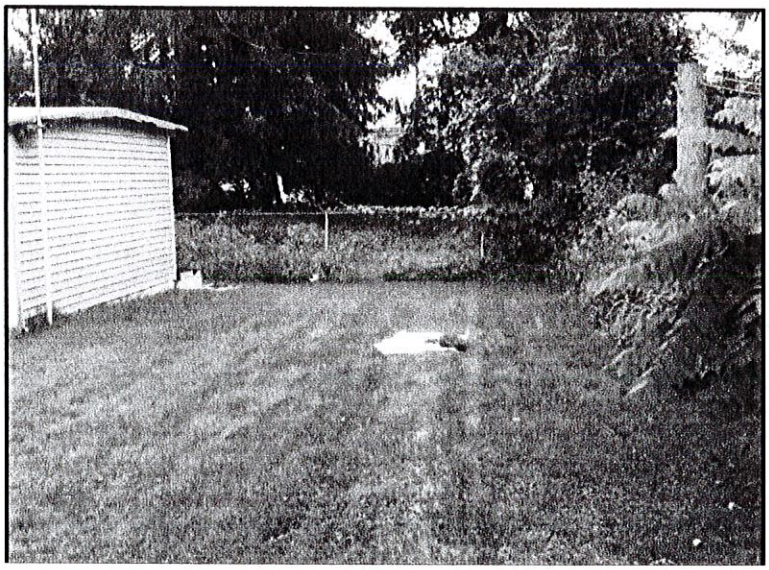
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL SAMPLES ALL ANALYSES		7/24/13									

ATTACHMENT D

Photographic Documentation

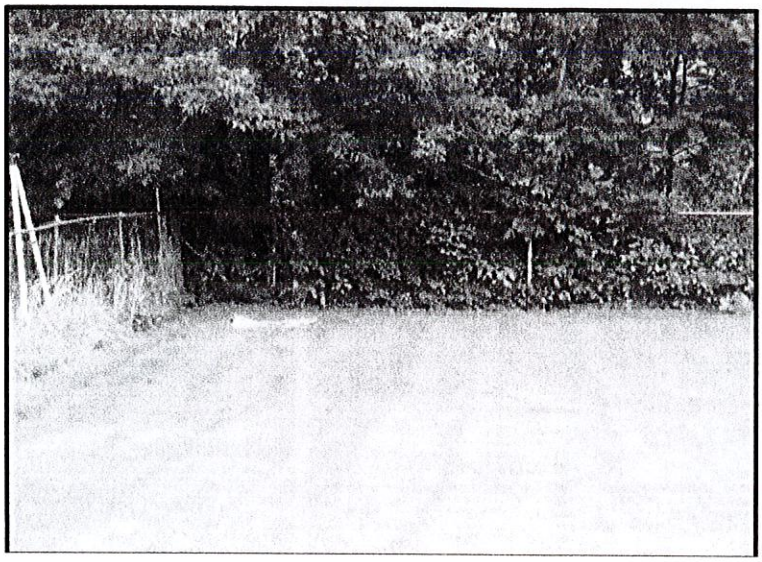
Photographic Documentation
6 Crescendo Road Site
Johnstown, Fulton County, New York
July 23, 2013



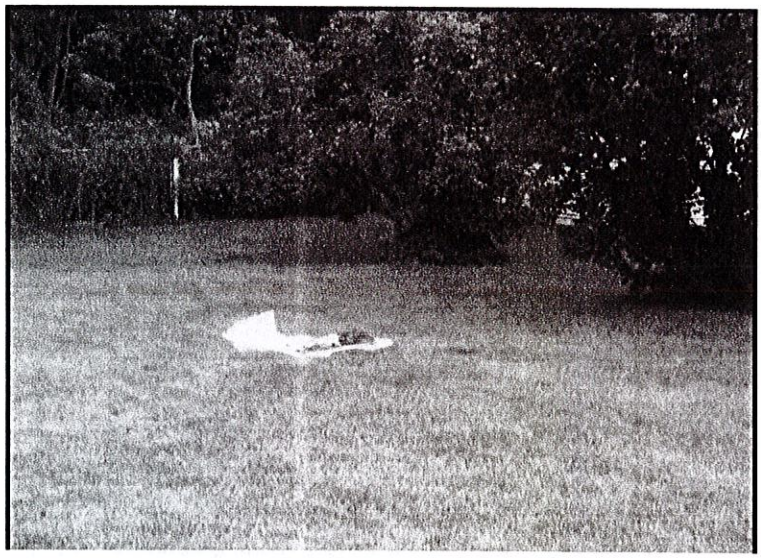
Photograph 1: View of sample location P001-SS001 facing north.

Photograph 2: View of sample location P001-SS002.

Photographic Documentation
6 Crescendo Road Site
Johnstown, Fulton County, New York
July 23, 2013

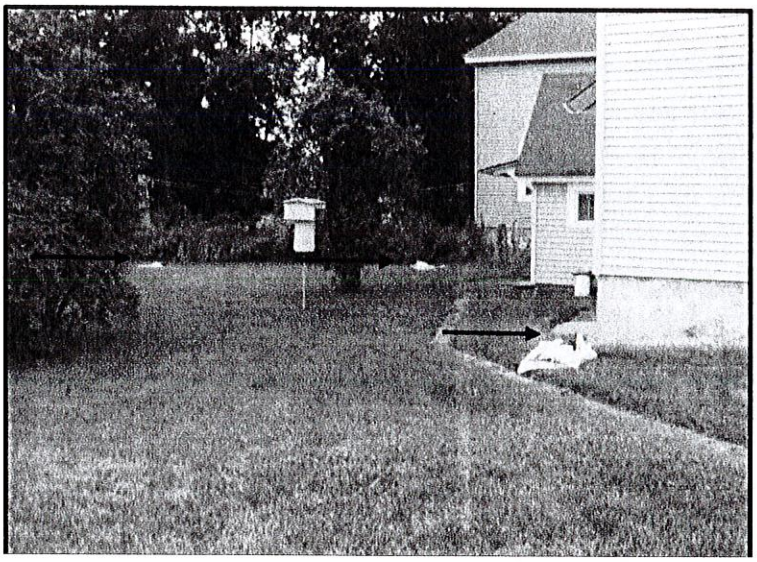


Photograph 3: View of sample location P001-SS003 facing south.

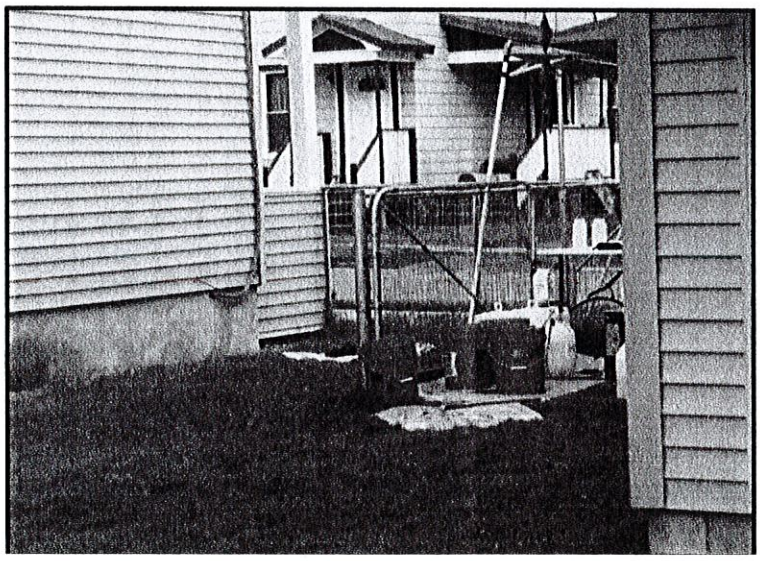


Photograph 4: View of sample location P001-SS004 facing southwest.

Photographic Documentation
6 Crescendo Road Site
Johnstown, Fulton County, New York
July 23, 2013

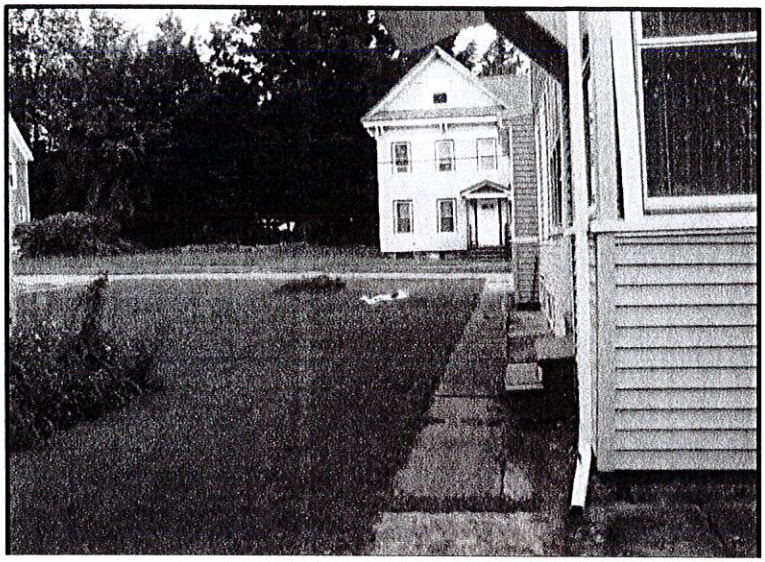


Photograph 5: From left to right, view of sample locations P001-SS009, P001-SS008, and P001-SS005 facing west.



Photograph 6: View of sample location P001-SS006 and the equipment decontamination area facing northwest.

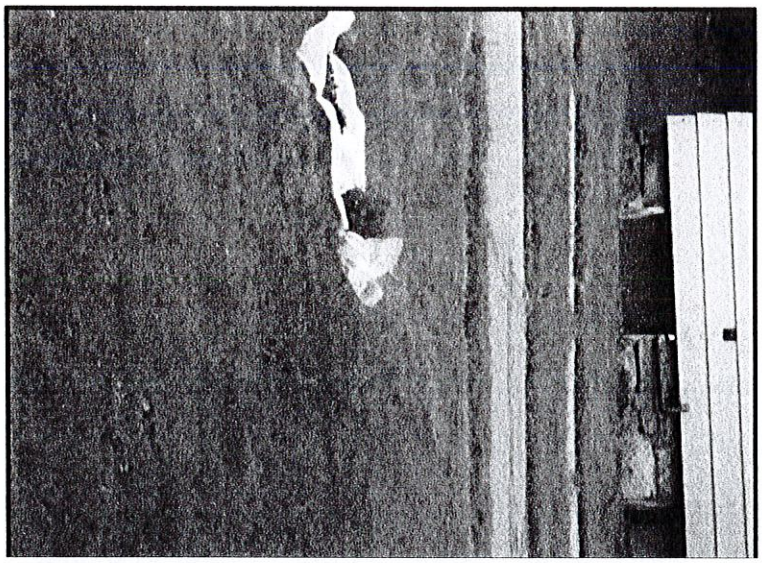
Photographic Documentation
6 Crescendo Road Site
Johnstown, Fulton County, New York
July 23, 2013



Photograph 7: View of sample location P001-SS007 facing north.

Photograph 8: View of sample location P001-SS010 facing west.

Photographic Documentation
6 Crescendo Road Site
Johnstown, Fulton County, New York
July 23, 2013



Photograph 9: View of sample location P001-SS011 facing north.