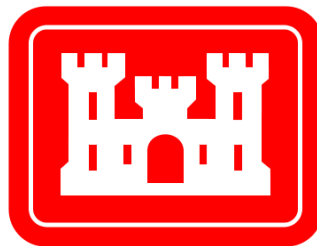


**FINAL  
REMEDIAL ACTION COMPLETION REPORT  
FOR LEAD-CONTAMINATED SOIL REMOVAL  
AT THE NASH BOULEVARD WATER TOWER SITE  
AT FORT DRUM MILITARY RESERVATION  
FORT DRUM, NEW YORK**

*Prepared for:*



**UNITED STATES ARMY CORPS OF ENGINEERS  
10 S. Howard Street  
Baltimore, MD 21201**

*Prepared by:*



**Plexus – PARS Joint Venture LLC  
5510 Cherokee Avenue, Suite 350  
Alexandria, VA 22312**

**Contract No. W912DR-12-D-0009  
Task Order: 0001**

**March 2014**

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## **LIST OF ACRONYMS AND ABBREVIATIONS**

CENAB	U.S. Army Corps of Engineers, Baltimore District
CQC	Construction Quality Control
CRZ	Contamination Reduction Zone
CYs	cubic yards
DANC	Development Authority of the North Country
E&S	erosion and sediment
EZ	Exclusion Zone
ft	Feet
JV	Joint Venture
mg/Kg	milligrams per kilogram
NYSDEC	New York State Department of Environmental Conservation
PARS	PARS Environmental, Inc.
Plexus	Plexus Scientific Corporation
ppm	parts per million
SWMF	solid waste management facility
USEPA	U.S. Environmental Protection Agency
XRF	X-Ray Fluorescence

## **1.0 INTRODUCTION**

The U.S. Army Corps of Engineers Baltimore District (CENAB) selected Plexus Scientific Corporation (Plexus)-PARS Environmental, Inc. (PARS) Joint Venture (JV) Team to provide the required personnel, materials, and services to remove contaminated soil at the Nash Boulevard Water Tower Site, located at the Fort Drum Military Reservation in Fort Drum, New York. The project objectives were to remove contaminated soil from the Nash Boulevard Water Tower Site, dispose of the soil off-site, and restore the site following receipt of confirmation results. This work was performed under the Contract No. W912DR-12-R-0009, Delivery Order No. 0001.

## **2.0 SITE BACKGROUND**

Fort Drum Military Reservation is located in upstate New York, approximately 10 miles northeast of Watertown, 80 miles north of Syracuse, and 25 miles southeast of the U.S./Canadian border (refer to **Figure 2-1**). Fort Drum occupies a large portion of northeastern Jefferson County and a portion of western Lewis County. Fort Drum encompasses approximately 168 square miles. Fort Drum was established in 1906 as a National Guard training facility. During World War II, Fort Drum functioned as an operations base and firing range, and provided combat skills training facilities for the 45th Infantry Division and the 4th and 5th Armored Divisions. Additionally, Fort Drum conducted small amounts of explosive ordnance disposal. Currently, Fort Drum is the operations headquarters for the 10th Mountain Division (Light Infantry). Fort Drum also supports training facilities and services for the U.S. Army National Guard.

The Nash Boulevard Water Tower Site is located on Nash Boulevard near 2nd Street East at Fort Drum (refer to **Figure 2-2**). The water tower was removed in late fall of 2010. In the course of its use, the tower was painted with lead-based paints that flaked onto the soil surrounding the tower. A field reconnaissance was conducted on August 9 - 10, 2011; August 15 - 19, 2011; and September 14 - 16, 2011 for the purpose of identifying the extent of lead contamination remaining in the site soil. The reconnaissance estimated that approximately 1,500 cubic yards (CYs) or approximately 2,500 tons of contaminated soil were required to be excavated, removed from the site, and disposed off-site at a suitable facility (CENAB, 2011). Refer to **Figure 2-3** for site layout. An additional reconnaissance was conducted June 24 - 27, 2012, which involved sampling grid cells outside the fence line.

### **3.0 WASTE CHARACTERIZATION**

The Nash Boulevard Water Tower Site (**Figure 2-3**) was divided into 146 grids during the investigation; each grid was approximately 25 feet (ft) by 25 ft. **Figure 3-1** illustrates the grid layout and shows the 82 grids requiring excavation of lead-contaminated soil. In order to be able to directly load trucks with the soil as it was excavated, the waste characterization samples were collected in advance of the excavation. Refer to the Field Sampling Plan for detail on the methodology followed during waste characterization sampling (Plexus, 2013a). On July 10, 2012, one waste characterization sample was collected from each of two areas by Plexus personnel:

- Under the water tower, where the highest concentrations of lead were reported; and
- The remaining to-be-excavated grid cells.

Waste characterization composite samples were comprised of cumulative individual aliquots collected from each grid cell to be excavated within the designated area. Each aliquot was collected across the total planned thickness to be excavated, as shown in **Figure 3-1** (e.g., 2 inches, 6 inches, or 12 inches).

Each sample was submitted to TestAmerica in Canton, New Jersey, for Toxicity Characteristic Leaching Procedure metals analysis, by U.S. Environmental Protection Agency (USEPA) 6010B and 7470A, and for paint filter analysis. **Appendix A** includes the waste characterization laboratory results report. Samples were collected using disposable trowels and plastic re-sealable bags.

## **4.0 EXCAVATION ACTIVITIES**

The Performance Objective for this project is:

- Achieve Interim Removal Action for up to 1,500 CYs of lead-contaminated soil at the Nash Boulevard Water Tower Site within 12 months of Notice to Proceed, which was on March 11, 2013.

Refer to the Removal Work Plan for detail on the methodology followed during excavation activities (Plexus, 2013b).

Prior to commencement of excavation activities, underground utility location and mark-out using Dig Safe New York were conducted. Prior to and during excavation activities, all of the site-specific procedures outlined in the Fort Drum “dig” permit, Accident Prevention Plan Section 11.8 (“Excavation and Trenching,” Plexus, 2013c), and Site-specific Safety and Health Plan Section A.2.1.10 (“Utility Location,” Plexus, 2013d) were followed.

Plexus and PARS personnel mobilized to the site on August 8, 2013 and began excavation preparation, including the installation of temporary construction fencing, construction signage, and erosion and sediment (E&S) controls consisting of silt fencing. Due to the flat nature of the site, E&S controls were limited to the southwest corner of the site, which slopes away from the site, toward the Fort Drum property boundary. The decontamination area was also established.

**Figure 3-1** displays grids defining the areas with concentrations of lead contamination which exceeded the New York State Department of Environmental Conservation (NYSDEC) Residential Land Use criteria of 400 milligrams per kilogram (mg/Kg) for lead (6 New York Codes, Rules and Regulations Part 375-Residential Land Use). These results are based on the field reconnaissance conducted by the Army in 2011 and June 2012. Using surveyor tape and a compass, the excavation areas were delineated with both pin flags and paint.

Excavation of site soil began on August 8, 2013 and continued until August 16, 2013. A tracked excavator was used to excavate the lead-contaminated soil to the depths shown in **Figure 3-1**. The excavator worked on the contaminated soil, and pulled the soil towards the machine. The excavator stayed off of grid cells that did not require excavation or that had already been excavated. The soil up to the Fort Drum boundary fence was removed and either stockpiled overnight or live-loaded into dump trucks for disposal. The remaining soil under the fence was hand-dug and loaded into the excavator to be brought to the dump trucks. All remnant fence posts encountered in the removal area were also removed. The excavator remained in the Exclusion Zone (EZ) while loading trucks for disposal. As the final removal effort, the decontamination area and impacted soil underneath were also removed.

CENAB personnel used an X-Ray Fluorescence (XRF) instrument to test samples from the floor of each excavated grid location to determine if additional soil excavation was required (refer to field notes in **Appendix B** for XRF screening results). XRF testing was conducted using a

screening value of 60 percent of the 400 mg/Kg goal (240 parts per million [ppm]) to provide confidence that the laboratory result will be below 400 mg/Kg. At grid locations where XRF screening results indicated that soil requiring removal remained, the excavator returned to the location and removed an additional 2 inches of soil at a time, until the XRF screening results indicated that no contamination remained. This process was repeated in all grids within the work area until all contaminated soil (indicated by XRF results above 240 ppm) had been removed. Refer to **Figure 4-1** for final excavation depths. Grids 6 through 9 required removal of an additional 2 inches of soil beyond the planned excavation depth, and Grid 5 required removal of an additional 4 inches of soil beyond the planned excavation depth. Final XRF screening results ranged from 118 ppm to 191 ppm. All over-excavation soil was disposed of under a second waste profile. Refer to **Appendix A** for the second waste characterization laboratory results report.

Dust monitoring was performed by the Site Safety and Health Officer throughout excavation activities; due to naturally wet conditions, no dust was encountered during soil disturbance activities, although dust-suppression equipment was on standby throughout excavation activities, ready to be used as needed.

On August 12, 2013, Dr. Duane Quates, the Federal Archaeologist garrisoned at Fort Drum, examined excavated soil for historical items of concern and found none.

Transportation of contaminated soil offsite began on August 12, 2013 and continued until August 16, 2013. All contaminated soil was transported by TJ Clement Construction Company to Development Authority of the North Country's (DANC's) solid waste management facility (SWMF) in Rodman, New York, approximately 18 miles from Fort Drum. Due to the close proximity of the SWMF to the site, trucks were able to complete multiple round trips per day. **Appendix C** includes all contaminated soil waste disposal weight tickets. A total of 924.28 tons of soil were removed from the Nash Boulevard Water Tower Site and disposed of at DANC's SWMF in Rodman, New York.

Temporary signs were posted on either side of Nash Boulevard, near the construction entrance, to warn of trucks entering the roadway. All disposal trucks were placarded and permitted, and were required to pass inspection by Fort Drum security personnel. The site was accessed by disposal trucks via the gravel parking lot parallel to Nash Boulevard. A stabilized construction entrance was established between the parking lot and the edge of the work area, as shown in **Figure 3-1**. Trucks entered and exited through the construction entrance. Geotextile and rip-rap were laid on the south end of the construction entrance to induce a "rumble effect," which caused any soil or paint chips stuck to the tires to drop off. The construction entrance also acted as the Contamination Reduction Zone (CRZ), where trucks were inspected before exiting the site and decontaminated as needed. The CRZ was constructed of filter fabric with berms to contain decontamination water.



The Support Zone was located next to the CRZ. Site workers exited the EZ through the CRZ, where they removed and decontaminated or discarded personal protective equipment, sampling equipment, and small equipment. All supplies and materials were removed from the site each night and stored at the Plexus-PARS JV office located at Building 1599, approximately 0.5 miles from the site. When the site was open during removal activities, the Plexus-PARS JV Site Manager prevented unauthorized access by non-project personnel.

**Appendix D** includes daily construction quality control (CQC) reports for all Nash Boulevard Water Tower Site excavation activities.

## **5.0 CONFIRMATION SAMPLING**

Confirmation sampling was conducted by CENAB personnel on August 14 and 15, 2013 after all excavated grids had been screened below the established threshold value by CENAB personnel using an XRF instrument. Refer to the Field Sampling Plan for detail on the methodology followed during confirmation sampling (Plexus, 2013a).

Ten grids of approximately equal surface area were established within the area of excavation (refer to **Figure 5-1** for the confirmation sampling grid layout). Each grid was incrementally sampled at 16 random locations (at 0 to 2 inches). The soil collected from those 16 locations was homogenized, and from that homogenization, one sample was produced per grid for a total of ten confirmation samples. A clean, disposable hand trowel was used to collect composite confirmation soil samples. The confirmation samples were submitted to CHEMTECH of Mountainside, New Jersey, for confirmatory analysis of lead by USEPA SW-846 Method 6020A. Refer to **Appendix E** for the confirmation sampling laboratory results report. The purpose of confirmation sampling was to verify that each of the ten grids had no contamination above the NYSDEC Residential Land Use criteria of 400 mg/Kg. The chain-of-custody document includes information on the sample identification number and the date and time the samples were collected.

Lead concentrations in confirmation samples ranged from 106 mg/Kg to 313 mg/Kg, all under the NYSDEC Residential Land Use criteria of 400 mg/Kg. Refer to **Table 5-1** for confirmation sampling results.

## **6.0 SITE RESTORATION**

Following results of the confirmation sampling, which verified that no lead concentrations above the NYSDEC Residential Land Use criteria of 400 mg/Kg remained, Plexus personnel completed site restoration on August 27, 2013, and conducted a final cleanup on September 23, 2013. Restoration included regrading the site, using existing clean soil to backfill shallow excavated areas, and approximately 67 tons of imported clean soil to backfill deeper excavated areas. The entire area was graded to ensure proper positive drainage. On August 29, 2013, after site grading was complete, a native seed mixture was used to re-establish vegetative cover. Once the vegetative cover has taken root, the silt fence will be removed.

## 7.0 REFERENCES

CENAB, 2011. *Data Evaluation Report for the Remedial Investigation, Airfield Water Tower, Nash Boulevard, Fort Drum, New York*. November, 2011.

Plexus, 2013a. *Field Sampling Plan for Nash Boulevard Water Tower Lead Contaminated Soil Removal and Area 1700 Contaminated Soil Removal at Fort Drum Military Reservation, Fort Drum, New York*. July, 2013.

Plexus, 2013b. *Removal Work Plan for Nash Boulevard Water Tower Lead Contaminated Soil Removal and Area 1700 Contaminated Soil Removal at Fort Drum Military Reservation, Fort Drum, New York*. July, 2013.

Plexus, 2013c. *Accident Prevention Plan for Nash Boulevard Water Tower Lead Contaminated Soil Removal and Area 1700 Contaminated Soil Removal at Fort Drum Military Reservation, Fort Drum, New York*. June, 2013.

Plexus, 2013d. *Site Safety and Health Plan for Nash Boulevard Water Tower Lead Contaminated Soil Removal and Area 1700 Contaminated Soil Removal at Fort Drum Military Reservation, Fort Drum, New York*. June, 2013.

## **TABLES**

**Table 5-1**  
**Confirmation Sampling Analytical Results**  
 Nash Boulevard Water Tower Site  
 Fort Drum Military Installation  
 Fort Drum, New York

<b>Grid Number:</b>	1	2	3	4	5	6	7	8	9	10
<b>Final X-ray Fluorescence Reading (parts per million):</b>	118	125	141	184	191**	190*	162*	134*	146*	141
<b>Sample Name:</b>	WT1-081413	WT2-081413	WT3-081413	WT4-081413	WT5-081513	WT6-081513	WT7-181413	WT8-081413	WT9-081513	WT10-081513
<b>Date Collected</b>	8/14/2013	8/14/2013	8/14/2013	8/14/2013	8/15/2013	8/15/2013	8/14/2013	8/14/2013	8/15/2013	8/15/2013
<b>Concentration of Lead (milligrams per kilogram):</b>	136	141	264	313	218	154	179	275	106	158

New York State Department of Environmental Conservation Residential Land Use criteria for lead is 400 milligrams per kilogram

X-ray Fluorescence Readings were compared to a screening value of 60 percent of the 400 milligrams per kilogram goal (240 parts per million)











Lead analyzed by U.S. Environmental Protection Agency SW-846 Method 6020A by CHEMTECH of Mountainside, New Jersey

\* Final X-ray Fluorescence Reading collected after first over-excavation

\*\*Final X-ray Fluorescence Reading collected after second over-excavation

## **FIGURES**

**Map Key:**

-  U.S. - Canada Border
-  State Boundary
-  County Boundary
-  Fort Drum Installation Boundary
-  Lake Ontario
-  Syracuse
-  Interstate
-  Highway
-  Major Road
-  Local Road

25 Years of Excellence  
**P L E X U S**  
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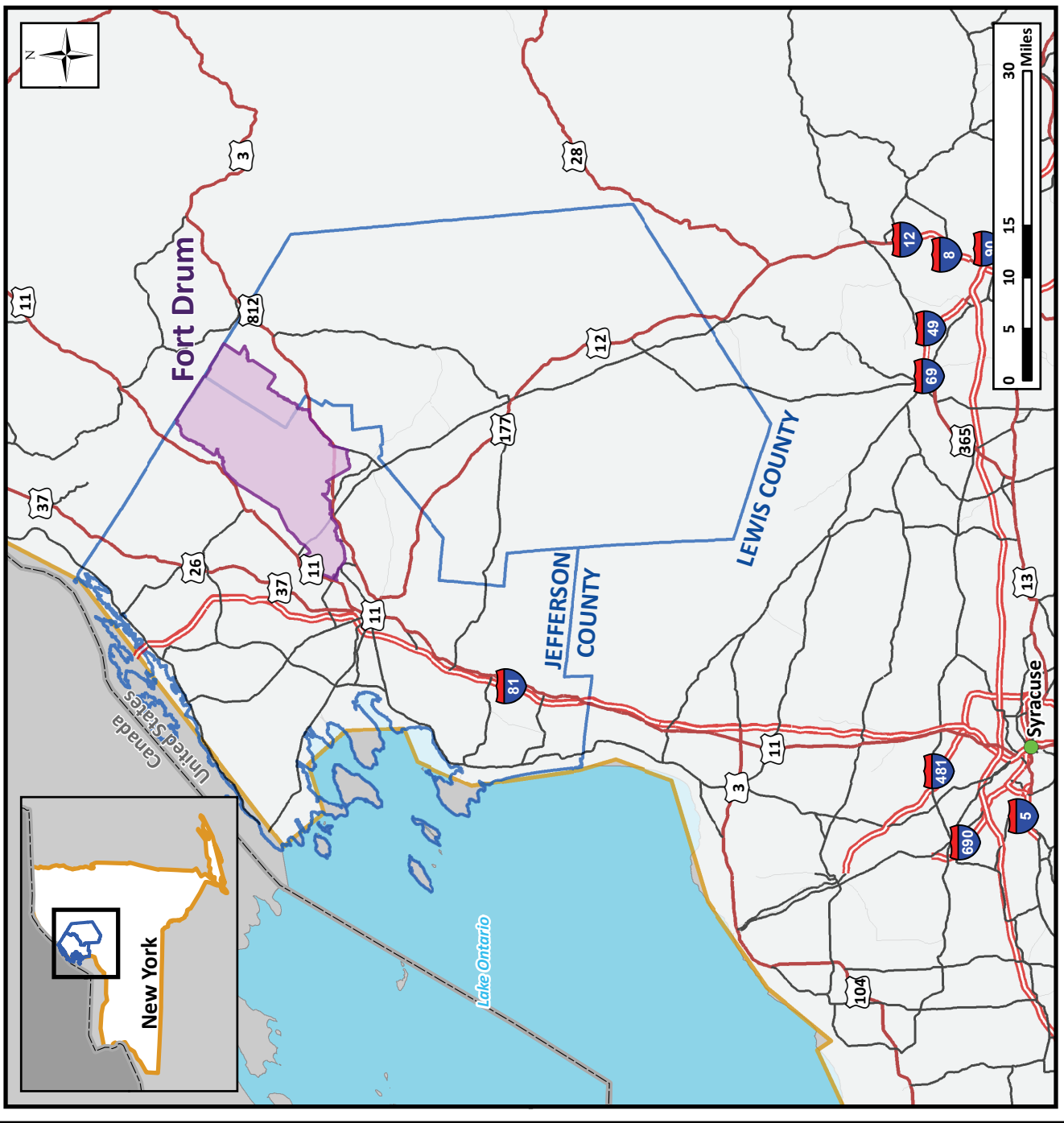
5510 Cherokee Ave.  
Suite 350  
Alexandria, VA 22312  
(P) 703.820.3339  
(F) 703.845.8568

Created By: MJB  
Date: October 2013

**FIGURE 2-1**









**Regional Location Map**

Remedial Action Completion Report For  
Lead-Contaminated Soil Removal at the Nash  
Boulevard Water Tower Site Fort Drum, New York





**Map Key:**

-  Fort Drum Installation Boundary
-  Interstate
-  Highway
-  Major Road
-  Local Road
-  Fort Drum Roads
-  Landfill
-  Water

25 Years of Excellence  
**P L E X U S**  
S C I E N T I F I C

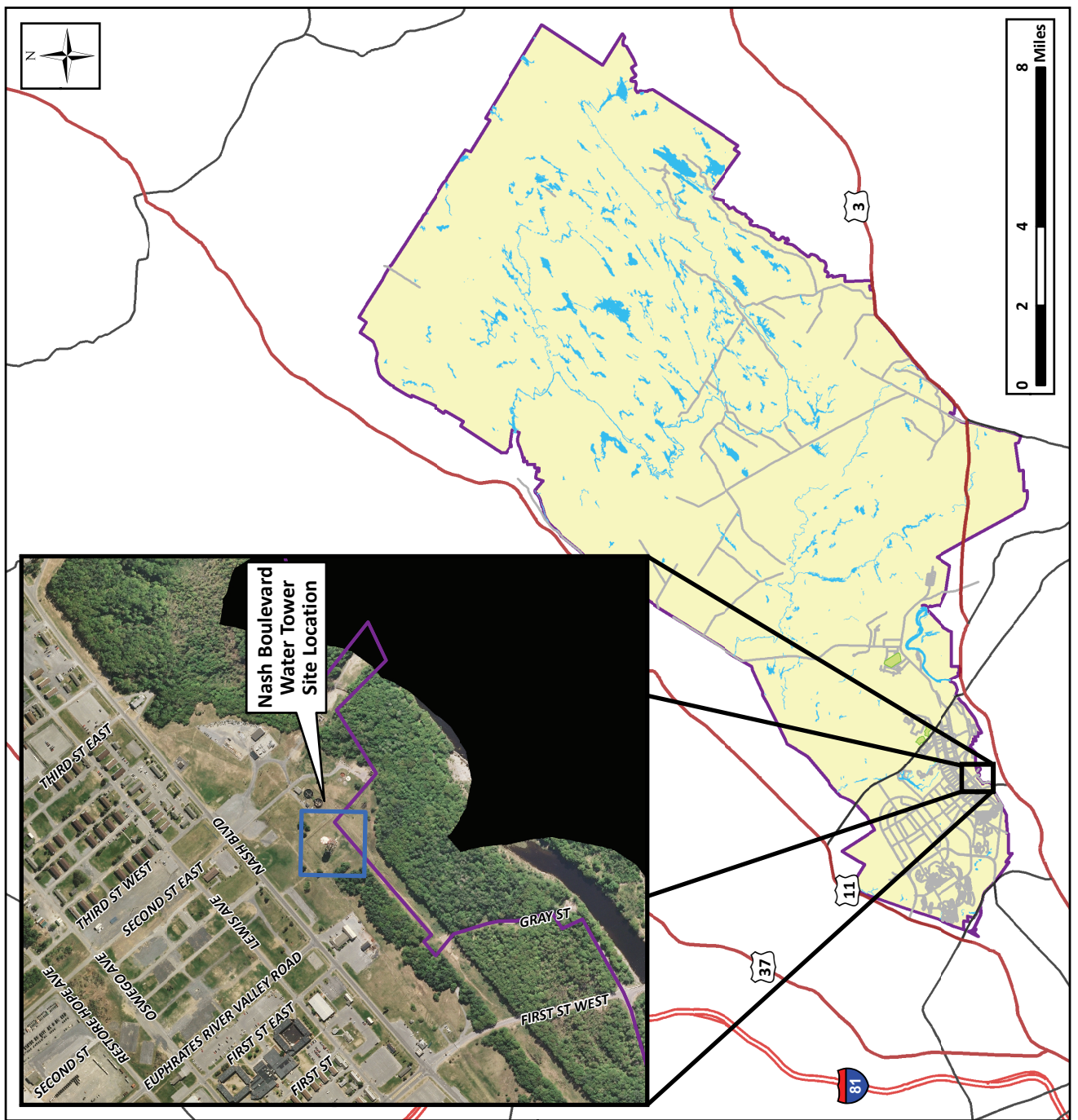
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(F) 703.845.8568

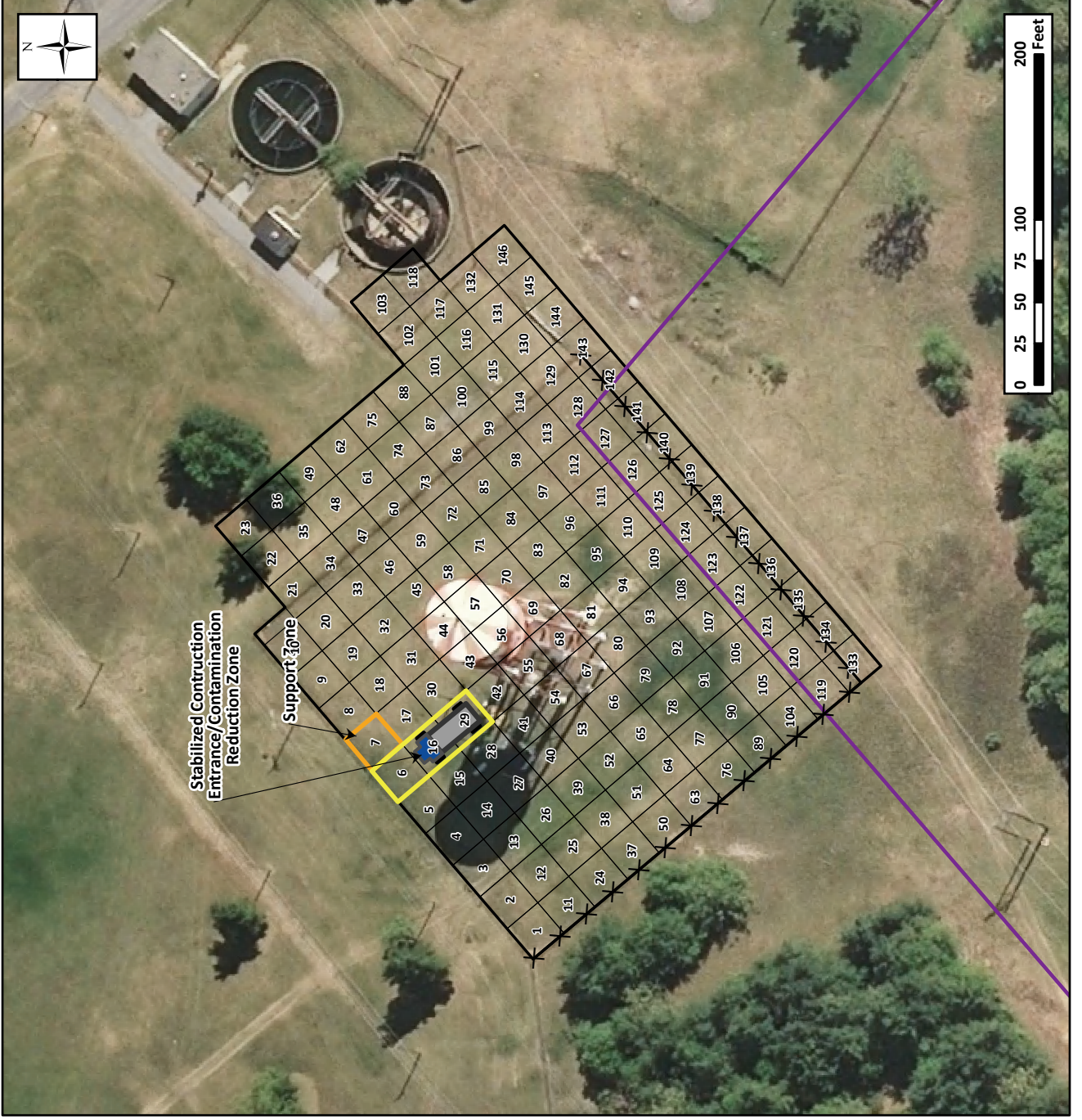
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Date: October 2013

**FIGURE 2-2**

**Site Location Map**

Remedial Action Completion Report For  
Lead-Contaminated Soil Removal at the Nash  
Boulevard Water Tower Site Fort Drum, New York





**Map Key:**

- ✕ Fence Line
- Stabilized Construction Entrance/Contamination Reduction Zone
- Support Zone
- Fort Drum Installation Boundary
- Grid Boundary



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**FIGURE 2-3**

**Site Layout Map**

Remedial Action Completion Report For  
 Lead-Contaminated Soil Removal at the Nash  
 Boulevard Water Tower Site Fort Drum, New York

**Map Key:**

-  Fence Line
-  Stabilized Construction Entrance
-  Support Zone
-  Max Depth 2" BGS
-  Max Depth 6" BGS
-  Above 400 ppm at 12" BGS
-  Grid Boundary
-  Fort Drum Installation Boundary



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Date: October 2013

**FIGURE 3-1**

**Planned Excavation Area and Depths Map**

Remedial Action Completion Report For  
Lead-Contaminated Soil Removal at the Nash  
Boulevard Water Tower Site Fort Drum, New York



**Map Key:**

-  Fence Line
-  Fort Drum Installation Boundary
-  Sampling\_Grids
-  Max Depth 2" BGS
-  Max Depth 4" BGS
-  Max Depth 6" BGS
-  Max Depth 12" BGS
-  Max Depth 24" BGS



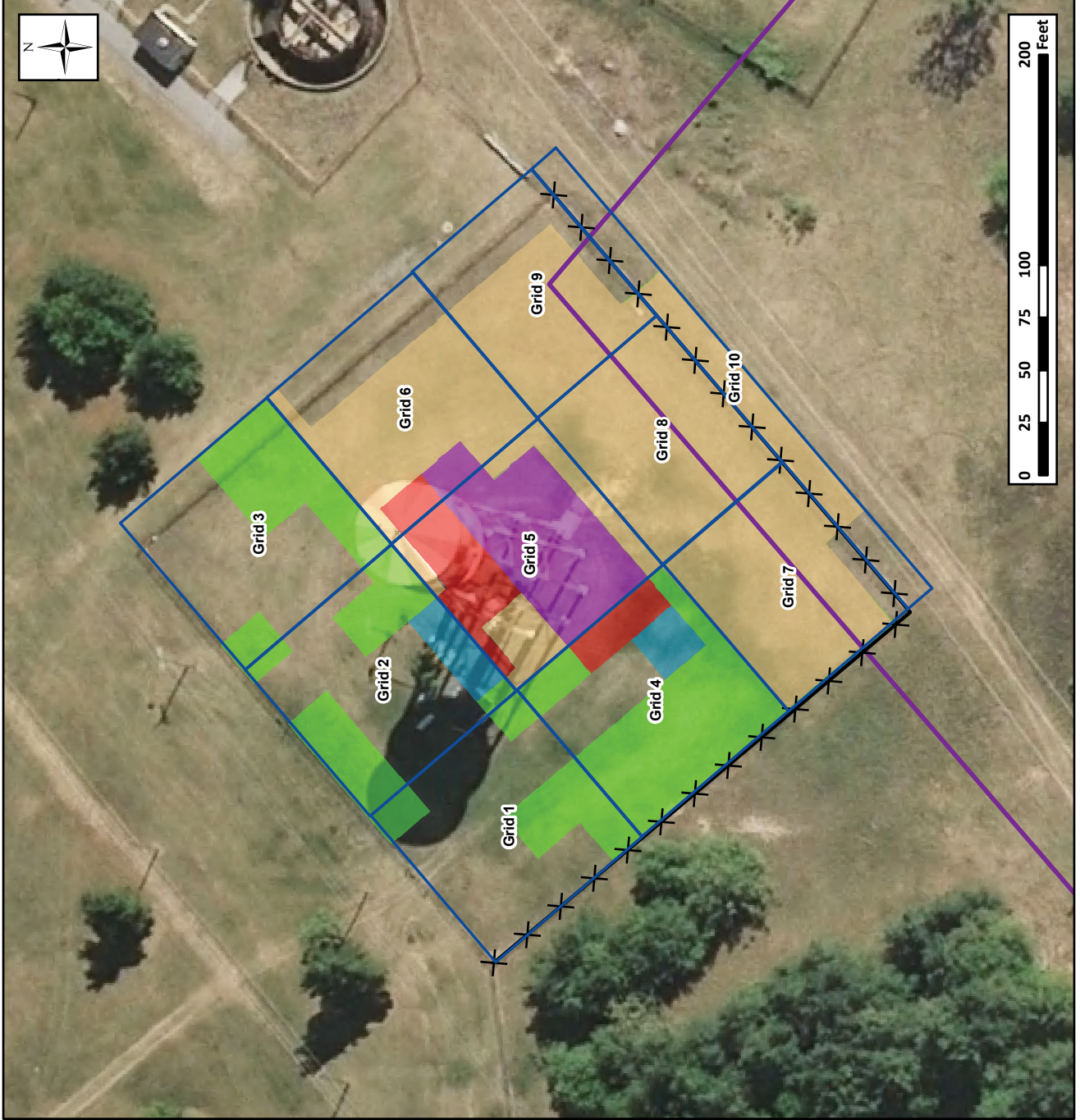
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Date: October 2013

**FIGURE 4-1**

**Actual Excavation Area  
and Depths Map**

Remedial Action Completion Report For  
Lead-Contaminated Soil Removal at the Nash  
Boulevard Water Tower Site Fort Drum, New York



**Map Key:**

-  Fence Line
-  Fort Drum Installation Boundary
-  Grid Boundary
-  Max Depth 2" BGS
-  Max Depth 4" BGS
-  Max Depth 6" BGS
-  Max Depth 12" BGS
-  Max Depth 24" BGS



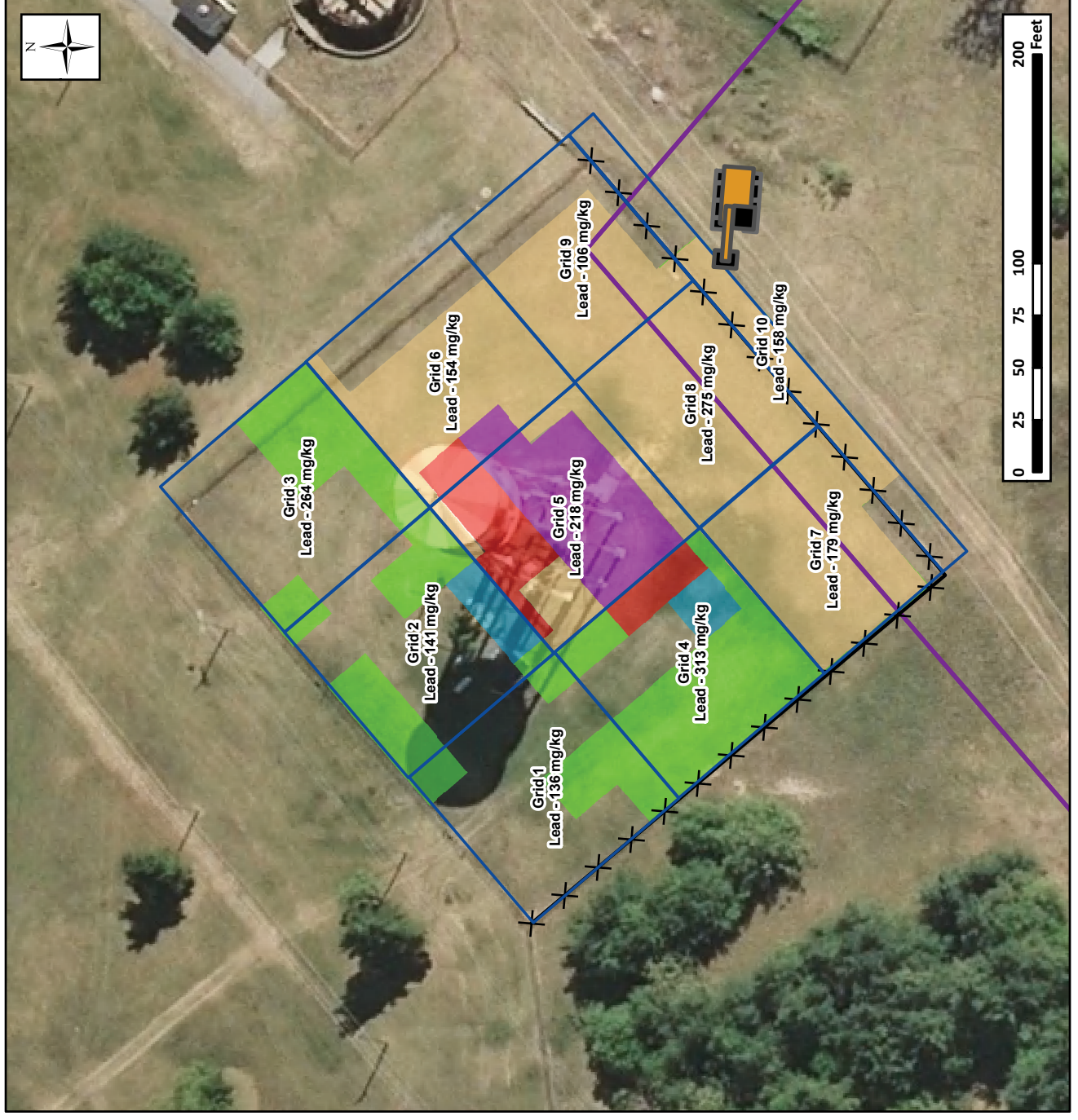
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(F) 703.845.8568

Created By: MJB  
Date: October 2013

**FIGURE 5-1**

**Confirmation Sampling  
Layout Map**

Remedial Action Completion Report For  
Lead-Contaminated Soil Removal at the Nash  
Boulevard Water Tower Site Fort Drum, New York



# **APPENDIX A**

Waste Characterization Laboratory Results Report

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 240-26830-1

Client Project/Site: Fort Drum/Nash BLVD

For:

Plexus Scientific Corporation  
9104 Guilford Road  
Suite 1010  
Columbia, Maryland 21046

Attn: Mr. Matt Fedowitz



---

Authorized for release by:  
7/22/2013 2:05:04 PM

Nathan Pietras, Project Manager II  
[nathan.pietras@testamericainc.com](mailto:nathan.pietras@testamericainc.com)

### LINKS

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Definitions/Glossary

Client: Plexus Scientific Corporation  
Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
D	The reported value is from a dilution.

## Glossary

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

# Case Narrative

Client: Plexus Scientific Corporation  
Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

**Job ID: 240-26830-1**

**Laboratory: TestAmerica Canton**

**Narrative**

## CASE NARRATIVE

**Client: Plexus Scientific Corporation**

**Project: Fort Drum/Nash BLVD**

**Report Number: 240-26830-1**

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

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

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

TestAmerica utilizes USEPA approved methods and DOD QSM, where applicable, in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

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

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

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

All parameters for which TestAmerica North Canton has certification were evaluated to the limit of detection (LOD) and include qualified results where applicable. Parameters not certified under QSM, if any, were evaluated to the detection limit (DL) and include qualified results where applicable.

The sample(s) that contain constituents flagged with U are undetected. The result associated with this flag is the limit of detection (LOD).

### **RECEIPT**

The samples were received on 07/13/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.5 C.

### **TCLP METALS (ICP)**

Samples TCLP-1S (240-26830-1) and TCLP-1D (240-26830-2) were analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/6010 DoD. The samples were leached on 07/17/2013, prepared on 07/18/2013 and analyzed on 07/19/2013.

ICB, CCB, and ICSA samples are evaluated using the lowest LOD and DL criteria in LIMS. Using this criteria, an individual element may occasionally be flagged as out of control. If the element has a higher LOD or DL, the data is evaluated to the higher limit and determined to be acceptable.

Lead was detected in method blank LB 240-94005/1-B at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL,

## Case Narrative

Client: Plexus Scientific Corporation  
Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

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### Job ID: 240-26830-1 (Continued)

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#### Laboratory: TestAmerica Canton (Continued)

the result has been flagged.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

#### TCLP MERCURY

Samples TCLP-1S (240-26830-1) and TCLP-1D (240-26830-2) were analyzed for TCLP Mercury in accordance with EPA SW-846 Methods 1311/7470 DoD. The samples were leached on 07/17/2013, prepared on 07/18/2013 and analyzed on 07/19/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

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# Method Summary

Client: Plexus Scientific Corporation  
Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

Method	Method Description	Protocol	Laboratory
6010B/DOD	Metals (ICP)	SW846	TAL CAN
7470A/DOD	Mercury (CVAA)	SW846	TAL CAN

**Protocol References:**

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

**Laboratory References:**

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



# Sample Summary

Client: Plexus Scientific Corporation  
Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-26830-1	TCLP-1S	Solid	07/11/13 14:30	07/13/13 10:10
240-26830-2	TCLP-1D	Solid	07/11/13 15:30	07/13/13 10:10

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- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Detection Summary

Client: Plexus Scientific Corporation  
Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

## Client Sample ID: TCLP-1S

Lab Sample ID: 240-26830-1

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.38	J	10	0.0028	mg/L	1		6010B/DOD	TCLP
Cadmium	0.0041	J	0.10	0.00039	mg/L	1		6010B/DOD	TCLP
Chromium	0.0067	J	0.50	0.0014	mg/L	1		6010B/DOD	TCLP
Lead	0.93		0.50	0.0017	mg/L	1		6010B/DOD	TCLP

## Client Sample ID: TCLP-1D

Lab Sample ID: 240-26830-2

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.29	J	10	0.0028	mg/L	1		6010B/DOD	TCLP
Cadmium	0.0043	J	0.10	0.00039	mg/L	1		6010B/DOD	TCLP
Chromium	0.018	J	0.50	0.0014	mg/L	1		6010B/DOD	TCLP
Lead	3.1		0.50	0.0017	mg/L	1		6010B/DOD	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

# Client Sample Results

Client: Plexus Scientific Corporation  
 Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

**Client Sample ID: TCLP-1S**

**Lab Sample ID: 240-26830-1**

**Date Collected: 07/11/13 14:30**

**Matrix: Solid**

**Date Received: 07/13/13 10:10**

**Method: 6010B/DOD - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0050	U	0.50	0.0017	mg/L		07/18/13 08:30	07/19/13 11:05	1
Arsenic	0.010	U	0.50	0.0033	mg/L		07/18/13 08:30	07/19/13 11:05	1
<b>Barium</b>	<b>0.38</b>	<b>J</b>	10	0.0028	mg/L		07/18/13 08:30	07/19/13 11:05	1
<b>Cadmium</b>	<b>0.0041</b>	<b>J</b>	0.10	0.00039	mg/L		07/18/13 08:30	07/19/13 11:05	1
<b>Chromium</b>	<b>0.0067</b>	<b>J</b>	0.50	0.0014	mg/L		07/18/13 08:30	07/19/13 11:05	1
<b>Lead</b>	<b>0.93</b>		0.50	0.0017	mg/L		07/18/13 08:30	07/19/13 11:05	1
Selenium	0.010	U	0.25	0.0040	mg/L		07/18/13 08:30	07/19/13 11:05	1

**Method: 7470A/DOD - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.00020	U	0.0020	0.00012	mg/L		07/18/13 15:15	07/19/13 12:16	1



# Client Sample Results

Client: Plexus Scientific Corporation  
 Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

**Client Sample ID: TCLP-1D**

**Lab Sample ID: 240-26830-2**

**Date Collected: 07/11/13 15:30**

**Matrix: Solid**

**Date Received: 07/13/13 10:10**

**Method: 6010B/DOD - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0050	U	0.50	0.0017	mg/L		07/18/13 08:30	07/19/13 11:34	1
Arsenic	0.010	U	0.50	0.0033	mg/L		07/18/13 08:30	07/19/13 11:34	1
<b>Barium</b>	<b>0.29</b>	<b>J</b>	10	0.0028	mg/L		07/18/13 08:30	07/19/13 11:34	1
<b>Cadmium</b>	<b>0.0043</b>	<b>J</b>	0.10	0.00039	mg/L		07/18/13 08:30	07/19/13 11:34	1
<b>Chromium</b>	<b>0.018</b>	<b>J</b>	0.50	0.0014	mg/L		07/18/13 08:30	07/19/13 11:34	1
<b>Lead</b>	<b>3.1</b>		0.50	0.0017	mg/L		07/18/13 08:30	07/19/13 11:34	1
Selenium	0.010	U	0.25	0.0040	mg/L		07/18/13 08:30	07/19/13 11:34	1

**Method: 7470A/DOD - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.00020	U	0.0020	0.00012	mg/L		07/18/13 15:15	07/19/13 12:21	1





# QC Sample Results

Client: Plexus Scientific Corporation  
 Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

## Method: 6010B/DOD - Metals (ICP)

**Lab Sample ID: MB 240-94068/2-A**

**Matrix: Solid**

**Analysis Batch: 94288**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 94068**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0050	U	0.50	0.0017	mg/L		07/18/13 08:30	07/19/13 10:57	1
Arsenic	0.010	U	0.50	0.0033	mg/L		07/18/13 08:30	07/19/13 10:57	1
Barium	0.0050	U	10	0.0028	mg/L		07/18/13 08:30	07/19/13 10:57	1
Cadmium	0.0010	U	0.10	0.00039	mg/L		07/18/13 08:30	07/19/13 10:57	1
Chromium	0.0040	U	0.50	0.0014	mg/L		07/18/13 08:30	07/19/13 10:57	1
Lead	0.0050	U	0.50	0.0017	mg/L		07/18/13 08:30	07/19/13 10:57	1
Selenium	0.010	U	0.25	0.0040	mg/L		07/18/13 08:30	07/19/13 10:57	1

**Lab Sample ID: LCS 240-94068/3-A**

**Matrix: Solid**

**Analysis Batch: 94288**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 94068**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.0500	0.0528	J	mg/L		106	80 - 120
Arsenic	2.00	1.97		mg/L		99	80 - 120
Barium	2.00	1.98	J	mg/L		99	80 - 120
Cadmium	0.0500	0.0503	J	mg/L		101	80 - 120
Chromium	0.200	0.187	J	mg/L		93	80 - 120
Lead	0.500	0.464	J	mg/L		93	80 - 120
Selenium	2.00	1.94		mg/L		97	80 - 120

**Lab Sample ID: LB 240-94005/1-B LB**

**Matrix: Solid**

**Analysis Batch: 94288**

**Client Sample ID: Method Blank**

**Prep Type: TCLP**

**Prep Batch: 94068**

Analyte	LB Result	LB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0050	U	0.50	0.0017	mg/L		07/18/13 08:30	07/19/13 10:53	1
Arsenic	0.010	U	0.50	0.0033	mg/L		07/18/13 08:30	07/19/13 10:53	1
Barium	0.0050	U	10	0.0028	mg/L		07/18/13 08:30	07/19/13 10:53	1
Cadmium	0.0010	U	0.10	0.00039	mg/L		07/18/13 08:30	07/19/13 10:53	1
Chromium	0.0040	U	0.50	0.0014	mg/L		07/18/13 08:30	07/19/13 10:53	1
Lead	0.00536	J	0.50	0.0017	mg/L		07/18/13 08:30	07/19/13 10:53	1
Selenium	0.010	U	0.25	0.0040	mg/L		07/18/13 08:30	07/19/13 10:53	1

**Lab Sample ID: 240-26830-1 MS**

**Matrix: Solid**

**Analysis Batch: 94288**

**Client Sample ID: TCLP-1S**

**Prep Type: TCLP**

**Prep Batch: 94068**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.0050	U	1.00	1.04	J D	mg/L		104	80 - 120
Arsenic	0.010	U	5.00	5.10	D	mg/L		102	80 - 120
Barium	0.38	J	50.0	49.6	J D	mg/L		98	80 - 120
Cadmium	0.0041	J	1.00	1.04	D	mg/L		104	80 - 120
Chromium	0.0067	J	5.00	4.74	D	mg/L		95	80 - 120
Lead	0.93		5.00	5.83	D	mg/L		98	80 - 120
Selenium	0.010	U	1.00	1.03	J D	mg/L		103	80 - 120

TestAmerica Canton

# QC Sample Results

Client: Plexus Scientific Corporation  
Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

## Method: 6010B/DOD - Metals (ICP) (Continued)

Lab Sample ID: 240-26830-1 MSD

Matrix: Solid

Analysis Batch: 94288

Client Sample ID: TCLP-1S

Prep Type: TCLP

Prep Batch: 94068

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Silver	0.0050	U	1.00	1.12	J D	mg/L		112	80 - 120	8	20
Arsenic	0.010	U	5.00	5.30	D	mg/L		106	80 - 120	4	20
Barium	0.38	J	50.0	53.9	D	mg/L		107	80 - 120	8	20
Cadmium	0.0041	J	1.00	1.08	D	mg/L		107	80 - 120	3	20
Chromium	0.0067	J	5.00	5.10	D	mg/L		102	80 - 120	7	20
Lead	0.93		5.00	6.04	D	mg/L		102	80 - 120	3	20
Selenium	0.010	U	1.00	1.05	J D	mg/L		105	80 - 120	2	20

## Method: 7470A/DOD - Mercury (CVAA)

Lab Sample ID: MB 240-94070/2-A

Matrix: Solid

Analysis Batch: 94315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94070

Analyte	MB	MB	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Hg	0.00020	U	0.0020	0.00012	mg/L		07/18/13 15:15	07/19/13 12:13	1

Lab Sample ID: LCS 240-94070/3-A

Matrix: Solid

Analysis Batch: 94315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94070

Analyte	Spike	Added	LCS	LCS	Unit	D	%Rec	%Rec.
			Result	Qualifier				Limits
Hg	0.00500		0.00466		mg/L		93	50 - 150

Lab Sample ID: LB 240-94005/1-C LB

Matrix: Solid

Analysis Batch: 94315

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 94070

Analyte	LB	LB	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Hg	0.00020	U	0.0020	0.00012	mg/L		07/18/13 15:15	07/19/13 12:11	1

Lab Sample ID: 240-26830-1 MS

Matrix: Solid

Analysis Batch: 94315

Client Sample ID: TCLP-1S

Prep Type: TCLP

Prep Batch: 94070

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				Limits
Hg	0.00020	U	0.00500	0.00480		mg/L		96	50 - 150

Lab Sample ID: 240-26830-1 MSD

Matrix: Solid

Analysis Batch: 94315

Client Sample ID: TCLP-1S

Prep Type: TCLP

Prep Batch: 94070

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Hg	0.00020	U	0.00500	0.00466		mg/L		93	50 - 150	3	20

TestAmerica Canton

# QC Association Summary

Client: Plexus Scientific Corporation  
 Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

## Metals

### Leach Batch: 94005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-26830-1	TCLP-1S	TCLP	Solid	1311	
240-26830-1 MS	TCLP-1S	TCLP	Solid	1311	
240-26830-1 MSD	TCLP-1S	TCLP	Solid	1311	
240-26830-2	TCLP-1D	TCLP	Solid	1311	
LB 240-94005/1-B LB	Method Blank	TCLP	Solid	1311	
LB 240-94005/1-C LB	Method Blank	TCLP	Solid	1311	

### Prep Batch: 94068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-26830-1	TCLP-1S	TCLP	Solid	3010A	94005
240-26830-1 MS	TCLP-1S	TCLP	Solid	3010A	94005
240-26830-1 MSD	TCLP-1S	TCLP	Solid	3010A	94005
240-26830-2	TCLP-1D	TCLP	Solid	3010A	94005
LB 240-94005/1-B LB	Method Blank	TCLP	Solid	3010A	94005
LCS 240-94068/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 240-94068/2-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 94070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-26830-1	TCLP-1S	TCLP	Solid	7470A	94005
240-26830-1 MS	TCLP-1S	TCLP	Solid	7470A	94005
240-26830-1 MSD	TCLP-1S	TCLP	Solid	7470A	94005
240-26830-2	TCLP-1D	TCLP	Solid	7470A	94005
LB 240-94005/1-C LB	Method Blank	TCLP	Solid	7470A	94005
LCS 240-94070/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 240-94070/2-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 94288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-26830-1	TCLP-1S	TCLP	Solid	6010B/DOD	94068
240-26830-1 MS	TCLP-1S	TCLP	Solid	6010B/DOD	94068
240-26830-1 MSD	TCLP-1S	TCLP	Solid	6010B/DOD	94068
240-26830-2	TCLP-1D	TCLP	Solid	6010B/DOD	94068
LB 240-94005/1-B LB	Method Blank	TCLP	Solid	6010B/DOD	94068
LCS 240-94068/3-A	Lab Control Sample	Total/NA	Solid	6010B/DOD	94068
MB 240-94068/2-A	Method Blank	Total/NA	Solid	6010B/DOD	94068

### Analysis Batch: 94315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-26830-1	TCLP-1S	TCLP	Solid	7470A/DOD	94070
240-26830-1 MS	TCLP-1S	TCLP	Solid	7470A/DOD	94070
240-26830-1 MSD	TCLP-1S	TCLP	Solid	7470A/DOD	94070
240-26830-2	TCLP-1D	TCLP	Solid	7470A/DOD	94070
LB 240-94005/1-C LB	Method Blank	TCLP	Solid	7470A/DOD	94070
LCS 240-94070/3-A	Lab Control Sample	Total/NA	Solid	7470A/DOD	94070
MB 240-94070/2-A	Method Blank	Total/NA	Solid	7470A/DOD	94070

# Lab Chronicle

Client: Plexus Scientific Corporation  
Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

## Client Sample ID: TCLP-1S

Date Collected: 07/11/13 14:30

Date Received: 07/13/13 10:10

## Lab Sample ID: 240-26830-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			94005	07/17/13 13:15	JS1	TAL CAN
TCLP	Prep	3010A			94068	07/18/13 08:30	LPM	TAL CAN
TCLP	Analysis	6010B/DOD		1	94288	07/19/13 11:05	NJT	TAL CAN
TCLP	Leach	1311			94005	07/17/13 13:15	JS1	TAL CAN
TCLP	Prep	7470A			94070	07/18/13 15:15	LPM	TAL CAN
TCLP	Analysis	7470A/DOD		1	94315	07/19/13 12:16	ADS	TAL CAN

## Client Sample ID: TCLP-1D

Date Collected: 07/11/13 15:30

Date Received: 07/13/13 10:10

## Lab Sample ID: 240-26830-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			94005	07/17/13 13:15	JS1	TAL CAN
TCLP	Prep	3010A			94068	07/18/13 08:30	LPM	TAL CAN
TCLP	Analysis	6010B/DOD		1	94288	07/19/13 11:34	NJT	TAL CAN
TCLP	Leach	1311			94005	07/17/13 13:15	JS1	TAL CAN
TCLP	Prep	7470A			94070	07/18/13 15:15	LPM	TAL CAN
TCLP	Analysis	7470A/DOD		1	94315	07/19/13 12:21	ADS	TAL CAN

### Laboratory References:

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

# Certification Summary

Client: Plexus Scientific Corporation  
Project/Site: Fort Drum/Nash BLVD

TestAmerica Job ID: 240-26830-1

## Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-28-13
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-13 *
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
Wisconsin	State Program	5	999518190	08-31-13

\* Expired certification is currently pending renewal and is considered valid.

TestAmerica Canton

Chain of Custody Record

<b>Client Information</b> Client Contact: <b>MIKE BREWIN</b> Company: Plexus Scientific Corporation Address: 4501 Ford Ave Suite 1200 City: Alexandria State, Zip: VA, 22302 Phone: (003) 820-3339 Email: <a href="mailto:mibrewin@plexuscorp.com">mibrewin@plexuscorp.com</a> Project Name: <b>FT. DRUM / NASH BLVD</b> Fort Drum, NY Site: <b>FT. DRUM / NASH BLVD</b>		Sampler: <b>J. COE, A. FARRAR</b> Phone: (003) 820-3339 Lab PM: <b>KEN IVES</b> E-Mail: <b>PRETTY@PLEXUS-604-JRC</b>		Carrier Tracking No(s): Job #:		COC No: 180-13054-3449.1 Page: Page 1 of 1									
Due Date Requested: TAT Requested (days): <b>STANDARD</b> PO #: <b>8255-1BB</b> W/O #: <b>8255-1BB</b> Project #: <b>8255-1BB</b> SSO#:		Analysis Requested Total Number of Containers:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		Preservation Codes: M - Hexane N - None O - AsH2O2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)									
Sample Identification TOLP-1S TOLP-ID <del>XXXXXXXXXX</del>		Sample Date 7/11/13 7/10/13		Sample Time 1430 1530		Sample Type (C=Comp, G=grab) C C		Matrix (W=water, S=solid, O=washbill, BT=Residue, A=AT) S S		Field Filtered Sample (Yes or No) X X X		Perform MS/MSD (Yes or No) X X X		Special Instructions/Note: PAINT FILTER JRC 240-26830 Chain of Custody JRC	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested: I, II, III, IV, Other (specify) <b>FULL T-1</b>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements:		Empty Kit Relinquished by:		Date/Time:		Method of Shipment:			
Relinquished by: <b>Joshua Coe</b> Relinquished by: <b>Paul Vignard</b> Relinquished by:		Date/Time: 7/11/13 1700 Date/Time: 7/12/13 1131 Date/Time:		Date/Time: 7/11/13 1130 Date/Time: 7-13-13 1010 Date/Time:		Received by: <b>Paul Vignard</b> Received by: <b>Paul Vignard</b> Received by:		Company: <b>PLEXUS</b> Company: <b>TestAmerica</b> Company:		Company: <b>TestAmerica</b> Company: <b>TA</b> Company:		Cooler Temperature(s) °C and Other Remarks:			
Custody Seals Intact: <b>856303</b> Δ Yes Δ No		Custody Seal No.:		Date:		Time:		Date:		Time:		Date:		Time:	



Canton Facility

Client Plexus Site Name \_\_\_\_\_

Cooler unpacked by: \_\_\_\_\_

Cooler Received on 7-13-13 Opened on 7-13-13

FedEx: 1<sup>st</sup> Grd  Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other \_\_\_\_\_

TestAmerica Cooler # \_\_\_\_\_ Foam Box  Client Cooler Box Other \_\_\_\_\_

Packing material used:  Bubble Wrap Foam  Plastic Bag None Other \_\_\_\_\_

COOLANT:  Wet Ice Blue Ice  Dry Ice  Water None

1. Cooler temperature upon receipt

IR GUN# A (CF -1 °C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C

IR GUN# 4 (CF 0 °C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C

IR GUN# 5 (CF +1 °C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C

IR GUN# 8 (CF -0 °C) Observed Cooler Temp. 1.5 °C Corrected Cooler Temp. 1.5 °C

See Multiple Cooler Form

2. Were custody seals on the outside of the cooler(s)?  If Yes Quantity 1  Yes  No

-Were custody seals on the outside of the cooler(s) signed & dated?  Yes  No NA

-Were custody seals on the bottle(s)?  Yes  No

3. Shippers' packing slip attached to the cooler(s)?  Yes  No

4. Did custody papers accompany the sample(s)?  Yes  No

5. Were the custody papers relinquished & signed in the appropriate place?  Yes  No

6. Did all bottles arrive in good condition (Unbroken)?  Yes  No

7. Could all bottle labels be reconciled with the COC?  Yes  No

8. Were correct bottle(s) used for the test(s) indicated?  Yes  No

9. Sufficient quantity received to perform indicated analyses?  Yes  No

10. Were sample(s) at the correct pH upon receipt? Yes  No  NA pH Strip Lot# HC376062

11. Were VOAs on the COC? Yes  No

12. Were air bubbles >6 mm in any VOA vials? Yes  No  NA

13. Was a trip blank present in the cooler(s)? Yes  No

Contacted PM \_\_\_\_\_ Date \_\_\_\_\_ by \_\_\_\_\_ via Verbal Voice Mail Other

Concerning \_\_\_\_\_

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

15. SAMPLE CONDITION

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

Sample(s) \_\_\_\_\_ were received in a broken container.

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

16. SAMPLE PRESERVATION

Sample(s) \_\_\_\_\_ were further preserved in the laboratory.

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

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-27579-1

Client Project/Site: Ft. Drum/Nash Blvd.

For:

Plexus Scientific Corporation

9104 Guilford Road

Suite 1010

Columbia, Maryland 21046

Attn: Landon McKenney



---

Authorized for release by:

8/9/2013 2:09:00 PM

Nathan Pietras, Project Manager II

[nathan.pietras@testamericainc.com](mailto:nathan.pietras@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Definitions/Glossary

Client: Plexus Scientific Corporation  
Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
D	The reported value is from a dilution.

## Glossary

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

# Case Narrative

Client: Plexus Scientific Corporation  
Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

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**Job ID: 240-27579-1**

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**Laboratory: TestAmerica Canton**

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**Narrative**

**Job Narrative**  
**240-27579-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 8/6/2013 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

**Metals**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

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# Method Summary

Client: Plexus Scientific Corporation  
Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

Method	Method Description	Protocol	Laboratory
6010B/DOD	Metals (ICP)	SW846	TAL CAN
7470A/DOD	Mercury (CVAA)	SW846	TAL CAN

**Protocol References:**

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

**Laboratory References:**

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

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# Sample Summary

Client: Plexus Scientific Corporation  
Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-27579-1	TCLP-3S	Solid	08/05/13 10:30	08/06/13 09:20
240-27579-2	TCLP-4S	Solid	08/05/13 10:30	08/06/13 09:20
240-27579-3	TCLP-5D	Solid	08/05/13 10:30	08/06/13 09:20

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# Detection Summary

Client: Plexus Scientific Corporation  
Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

## Client Sample ID: TCLP-3S

Lab Sample ID: 240-27579-1

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.23	J	10	0.0028	mg/L	1		6010B/DOD	TCLP
Cadmium	0.0022	J	0.10	0.00039	mg/L	1		6010B/DOD	TCLP
Chromium	0.0049	J	0.50	0.0014	mg/L	1		6010B/DOD	TCLP
Lead	0.66		0.50	0.0017	mg/L	1		6010B/DOD	TCLP

## Client Sample ID: TCLP-4S

Lab Sample ID: 240-27579-2

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.23	J	10	0.0028	mg/L	1		6010B/DOD	TCLP
Cadmium	0.0021	J	0.10	0.00039	mg/L	1		6010B/DOD	TCLP
Chromium	0.0069	J	0.50	0.0014	mg/L	1		6010B/DOD	TCLP
Lead	0.64		0.50	0.0017	mg/L	1		6010B/DOD	TCLP

## Client Sample ID: TCLP-5D

Lab Sample ID: 240-27579-3

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.26	J	10	0.0028	mg/L	1		6010B/DOD	TCLP
Cadmium	0.0034	J	0.10	0.00039	mg/L	1		6010B/DOD	TCLP
Chromium	0.012	J	0.50	0.0014	mg/L	1		6010B/DOD	TCLP
Lead	1.5		0.50	0.0017	mg/L	1		6010B/DOD	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

# Client Sample Results

Client: Plexus Scientific Corporation  
 Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

**Client Sample ID: TCLP-3S**

**Lab Sample ID: 240-27579-1**

**Date Collected: 08/05/13 10:30**

**Matrix: Solid**

**Date Received: 08/06/13 09:20**

**Method: 6010B/DOD - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0050	U	0.50	0.0017	mg/L		08/07/13 08:13	08/08/13 10:02	1
Arsenic	0.010	U	0.50	0.0033	mg/L		08/07/13 08:13	08/08/13 10:02	1
<b>Barium</b>	<b>0.23</b>	<b>J</b>	10	0.0028	mg/L		08/07/13 08:13	08/08/13 10:02	1
<b>Cadmium</b>	<b>0.0022</b>	<b>J</b>	0.10	0.00039	mg/L		08/07/13 08:13	08/08/13 10:02	1
<b>Chromium</b>	<b>0.0049</b>	<b>J</b>	0.50	0.0014	mg/L		08/07/13 08:13	08/08/13 10:02	1
<b>Lead</b>	<b>0.66</b>		0.50	0.0017	mg/L		08/07/13 08:13	08/08/13 10:02	1
Selenium	0.010	U	0.25	0.0040	mg/L		08/07/13 08:13	08/08/13 10:02	1

**Method: 7470A/DOD - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.00020	U	0.0020	0.00012	mg/L		08/07/13 13:45	08/09/13 09:59	1

# Client Sample Results

Client: Plexus Scientific Corporation  
 Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

**Client Sample ID: TCLP-4S**

**Lab Sample ID: 240-27579-2**

Date Collected: 08/05/13 10:30

Matrix: Solid

Date Received: 08/06/13 09:20

**Method: 6010B/DOD - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0050	U	0.50	0.0017	mg/L		08/07/13 08:13	08/08/13 10:32	1
Arsenic	0.010	U	0.50	0.0033	mg/L		08/07/13 08:13	08/08/13 10:32	1
<b>Barium</b>	<b>0.23</b>	<b>J</b>	10	0.0028	mg/L		08/07/13 08:13	08/08/13 10:32	1
<b>Cadmium</b>	<b>0.0021</b>	<b>J</b>	0.10	0.00039	mg/L		08/07/13 08:13	08/08/13 10:32	1
<b>Chromium</b>	<b>0.0069</b>	<b>J</b>	0.50	0.0014	mg/L		08/07/13 08:13	08/08/13 10:32	1
<b>Lead</b>	<b>0.64</b>		0.50	0.0017	mg/L		08/07/13 08:13	08/08/13 10:32	1
Selenium	0.010	U	0.25	0.0040	mg/L		08/07/13 08:13	08/08/13 10:32	1

**Method: 7470A/DOD - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.00020	U	0.0020	0.00012	mg/L		08/07/13 13:45	08/09/13 10:03	1





# Client Sample Results

Client: Plexus Scientific Corporation  
 Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

**Client Sample ID: TCLP-5D**

**Lab Sample ID: 240-27579-3**

Date Collected: 08/05/13 10:30

Matrix: Solid

Date Received: 08/06/13 09:20

**Method: 6010B/DOD - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0050	U	0.50	0.0017	mg/L		08/07/13 08:13	08/08/13 10:38	1
Arsenic	0.010	U	0.50	0.0033	mg/L		08/07/13 08:13	08/08/13 10:38	1
<b>Barium</b>	<b>0.26</b>	<b>J</b>	10	0.0028	mg/L		08/07/13 08:13	08/08/13 10:38	1
<b>Cadmium</b>	<b>0.0034</b>	<b>J</b>	0.10	0.00039	mg/L		08/07/13 08:13	08/08/13 10:38	1
<b>Chromium</b>	<b>0.012</b>	<b>J</b>	0.50	0.0014	mg/L		08/07/13 08:13	08/08/13 10:38	1
<b>Lead</b>	<b>1.5</b>		0.50	0.0017	mg/L		08/07/13 08:13	08/08/13 10:38	1
Selenium	0.010	U	0.25	0.0040	mg/L		08/07/13 08:13	08/08/13 10:38	1

**Method: 7470A/DOD - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.00020	U	0.0020	0.00012	mg/L		08/07/13 13:45	08/09/13 10:04	1

# QC Sample Results

Client: Plexus Scientific Corporation  
Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

## Method: 6010B/DOD - Metals (ICP)

**Lab Sample ID: MB 240-96486/2-A**

**Matrix: Solid**

**Analysis Batch: 96829**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 96486**

Analyte	MB MB		LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Silver	0.0050	U	0.50	0.0017	mg/L		08/07/13 08:13	08/08/13 09:32	1
Arsenic	0.010	U	0.50	0.0033	mg/L		08/07/13 08:13	08/08/13 09:32	1
Barium	0.0050	U	10	0.0028	mg/L		08/07/13 08:13	08/08/13 09:32	1
Cadmium	0.0010	U	0.10	0.00039	mg/L		08/07/13 08:13	08/08/13 09:32	1
Chromium	0.0040	U	0.50	0.0014	mg/L		08/07/13 08:13	08/08/13 09:32	1
Lead	0.0050	U	0.50	0.0017	mg/L		08/07/13 08:13	08/08/13 09:32	1
Selenium	0.010	U	0.25	0.0040	mg/L		08/07/13 08:13	08/08/13 09:32	1

**Lab Sample ID: LCS 240-96486/3-A**

**Matrix: Solid**

**Analysis Batch: 96829**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 96486**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							%Rec	Limits
Silver	0.0500	0.0531	J	mg/L		106	80 - 120	
Arsenic	2.00	2.13		mg/L		106	80 - 120	
Barium	2.00	2.01	J	mg/L		101	80 - 120	
Cadmium	0.0500	0.0508	J	mg/L		102	80 - 120	
Chromium	0.200	0.203	J	mg/L		102	80 - 120	
Lead	0.500	0.509		mg/L		102	80 - 120	
Selenium	2.00	2.13		mg/L		107	80 - 120	

**Lab Sample ID: LB 240-96433/1-B LB**

**Matrix: Solid**

**Analysis Batch: 96829**

**Client Sample ID: Method Blank**

**Prep Type: TCLP**

**Prep Batch: 96486**

Analyte	LB LB		LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Silver	0.0050	U	0.50	0.0017	mg/L		08/07/13 08:13	08/08/13 09:26	1
Arsenic	0.010	U	0.50	0.0033	mg/L		08/07/13 08:13	08/08/13 09:26	1
Barium	0.0050	U	10	0.0028	mg/L		08/07/13 08:13	08/08/13 09:26	1
Cadmium	0.0010	U	0.10	0.00039	mg/L		08/07/13 08:13	08/08/13 09:26	1
Chromium	0.0040	U	0.50	0.0014	mg/L		08/07/13 08:13	08/08/13 09:26	1
Lead	0.0050	U	0.50	0.0017	mg/L		08/07/13 08:13	08/08/13 09:26	1
Selenium	0.010	U	0.25	0.0040	mg/L		08/07/13 08:13	08/08/13 09:26	1

**Lab Sample ID: 240-27579-1 MS**

**Matrix: Solid**

**Analysis Batch: 96829**

**Client Sample ID: TCLP-3S**

**Prep Type: TCLP**

**Prep Batch: 96486**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
									%Rec	Limits
Silver	0.0050	U	1.00	0.961	J D	mg/L		96	80 - 120	
Arsenic	0.010	U	5.00	4.88	D	mg/L		98	80 - 120	
Barium	0.23	J	50.0	46.2	J D	mg/L		92	80 - 120	
Cadmium	0.0022	J	1.00	0.962	D	mg/L		96	80 - 120	
Chromium	0.0049	J	5.00	4.73	D	mg/L		94	80 - 120	
Lead	0.66		5.00	5.39	D	mg/L		95	80 - 120	
Selenium	0.010	U	1.00	0.981	J D	mg/L		98	80 - 120	

TestAmerica Canton

# QC Sample Results

Client: Plexus Scientific Corporation  
Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

## Method: 6010B/DOD - Metals (ICP) (Continued)

Lab Sample ID: 240-27579-1 MSD  
Matrix: Solid  
Analysis Batch: 96829

Client Sample ID: TCLP-3S  
Prep Type: TCLP  
Prep Batch: 96486

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits			
Silver	0.0050	U	1.00	0.982	J D	mg/L		98	80 - 120	2	20	
Arsenic	0.010	U	5.00	5.05	D	mg/L		101	80 - 120	3	20	
Barium	0.23	J	50.0	47.6	J D	mg/L		95	80 - 120	3	20	
Cadmium	0.0022	J	1.00	0.996	D	mg/L		99	80 - 120	4	20	
Chromium	0.0049	J	5.00	4.90	D	mg/L		98	80 - 120	4	20	
Lead	0.66		5.00	5.60	D	mg/L		99	80 - 120	4	20	
Selenium	0.010	U	1.00	1.01	J D	mg/L		101	80 - 120	3	20	

## Method: 7470A/DOD - Mercury (CVAA)

Lab Sample ID: MB 240-96489/2-A  
Matrix: Solid  
Analysis Batch: 96915

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 96489

Analyte	MB	MB	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Hg	0.00020	U	0.0020	0.00012	mg/L		08/07/13 13:45	08/09/13 09:56	1

Lab Sample ID: LCS 240-96489/3-A  
Matrix: Solid  
Analysis Batch: 96915

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 96489

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Hg	0.00500	0.00454		mg/L		91	50 - 150

Lab Sample ID: LB 240-96433/1-C LB  
Matrix: Solid  
Analysis Batch: 96915

Client Sample ID: Method Blank  
Prep Type: TCLP  
Prep Batch: 96489

Analyte	LB	LB	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Hg	0.00020	U	0.0020	0.00012	mg/L		08/07/13 13:45	08/09/13 09:54	1

Lab Sample ID: 240-27579-1 MS  
Matrix: Solid  
Analysis Batch: 96915

Client Sample ID: TCLP-3S  
Prep Type: TCLP  
Prep Batch: 96489

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				Limits
Hg	0.00020	U	0.00500	0.00495		mg/L		99	50 - 150

Lab Sample ID: 240-27579-1 MSD  
Matrix: Solid  
Analysis Batch: 96915

Client Sample ID: TCLP-3S  
Prep Type: TCLP  
Prep Batch: 96489

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Hg	0.00020	U	0.00500	0.00483		mg/L		97	50 - 150	2	20

TestAmerica Canton

# QC Association Summary

Client: Plexus Scientific Corporation  
Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

## Metals

### Leach Batch: 96433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-27579-1	TCLP-3S	TCLP	Solid	1311	
240-27579-1 MS	TCLP-3S	TCLP	Solid	1311	
240-27579-1 MSD	TCLP-3S	TCLP	Solid	1311	
240-27579-2	TCLP-4S	TCLP	Solid	1311	
240-27579-3	TCLP-5D	TCLP	Solid	1311	
LB 240-96433/1-B LB	Method Blank	TCLP	Solid	1311	
LB 240-96433/1-C LB	Method Blank	TCLP	Solid	1311	

### Prep Batch: 96486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-27579-1	TCLP-3S	TCLP	Solid	3010A	96433
240-27579-1 MS	TCLP-3S	TCLP	Solid	3010A	96433
240-27579-1 MSD	TCLP-3S	TCLP	Solid	3010A	96433
240-27579-2	TCLP-4S	TCLP	Solid	3010A	96433
240-27579-3	TCLP-5D	TCLP	Solid	3010A	96433
LB 240-96433/1-B LB	Method Blank	TCLP	Solid	3010A	96433
LCS 240-96486/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 240-96486/2-A	Method Blank	Total/NA	Solid	3010A	

### Prep Batch: 96489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-27579-1	TCLP-3S	TCLP	Solid	7470A	96433
240-27579-1 MS	TCLP-3S	TCLP	Solid	7470A	96433
240-27579-1 MSD	TCLP-3S	TCLP	Solid	7470A	96433
240-27579-2	TCLP-4S	TCLP	Solid	7470A	96433
240-27579-3	TCLP-5D	TCLP	Solid	7470A	96433
LB 240-96433/1-C LB	Method Blank	TCLP	Solid	7470A	96433
LCS 240-96489/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 240-96489/2-A	Method Blank	Total/NA	Solid	7470A	

### Analysis Batch: 96829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-27579-1	TCLP-3S	TCLP	Solid	6010B/DOD	96486
240-27579-1 MS	TCLP-3S	TCLP	Solid	6010B/DOD	96486
240-27579-1 MSD	TCLP-3S	TCLP	Solid	6010B/DOD	96486
240-27579-2	TCLP-4S	TCLP	Solid	6010B/DOD	96486
240-27579-3	TCLP-5D	TCLP	Solid	6010B/DOD	96486
LB 240-96433/1-B LB	Method Blank	TCLP	Solid	6010B/DOD	96486
LCS 240-96486/3-A	Lab Control Sample	Total/NA	Solid	6010B/DOD	96486
MB 240-96486/2-A	Method Blank	Total/NA	Solid	6010B/DOD	96486

### Analysis Batch: 96915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-27579-1	TCLP-3S	TCLP	Solid	7470A/DOD	96489
240-27579-1 MS	TCLP-3S	TCLP	Solid	7470A/DOD	96489
240-27579-1 MSD	TCLP-3S	TCLP	Solid	7470A/DOD	96489
240-27579-2	TCLP-4S	TCLP	Solid	7470A/DOD	96489
240-27579-3	TCLP-5D	TCLP	Solid	7470A/DOD	96489
LB 240-96433/1-C LB	Method Blank	TCLP	Solid	7470A/DOD	96489
LCS 240-96489/3-A	Lab Control Sample	Total/NA	Solid	7470A/DOD	96489
MB 240-96489/2-A	Method Blank	Total/NA	Solid	7470A/DOD	96489

TestAmerica Canton

# Lab Chronicle

Client: Plexus Scientific Corporation  
Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

## Client Sample ID: TCLP-3S

Lab Sample ID: 240-27579-1

Date Collected: 08/05/13 10:30

Matrix: Solid

Date Received: 08/06/13 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			96433	08/06/13 15:00	DRJ	TAL CAN
TCLP	Prep	3010A			96486	08/07/13 08:13	LPM	TAL CAN
TCLP	Analysis	6010B/DOD		1	96829	08/08/13 10:02	KLC	TAL CAN
TCLP	Leach	1311			96433	08/06/13 15:00	DRJ	TAL CAN
TCLP	Prep	7470A			96489	08/07/13 13:45	LPM	TAL CAN
TCLP	Analysis	7470A/DOD		1	96915	08/09/13 09:59	ADS	TAL CAN

## Client Sample ID: TCLP-4S

Lab Sample ID: 240-27579-2

Date Collected: 08/05/13 10:30

Matrix: Solid

Date Received: 08/06/13 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			96433	08/06/13 15:00	DRJ	TAL CAN
TCLP	Prep	3010A			96486	08/07/13 08:13	LPM	TAL CAN
TCLP	Analysis	6010B/DOD		1	96829	08/08/13 10:32	KLC	TAL CAN
TCLP	Leach	1311			96433	08/06/13 15:00	DRJ	TAL CAN
TCLP	Prep	7470A			96489	08/07/13 13:45	LPM	TAL CAN
TCLP	Analysis	7470A/DOD		1	96915	08/09/13 10:03	ADS	TAL CAN

## Client Sample ID: TCLP-5D

Lab Sample ID: 240-27579-3

Date Collected: 08/05/13 10:30

Matrix: Solid

Date Received: 08/06/13 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			96433	08/06/13 15:00	DRJ	TAL CAN
TCLP	Prep	3010A			96486	08/07/13 08:13	LPM	TAL CAN
TCLP	Analysis	6010B/DOD		1	96829	08/08/13 10:38	KLC	TAL CAN
TCLP	Leach	1311			96433	08/06/13 15:00	DRJ	TAL CAN
TCLP	Prep	7470A			96489	08/07/13 13:45	LPM	TAL CAN
TCLP	Analysis	7470A/DOD		1	96915	08/09/13 10:04	ADS	TAL CAN

**Laboratory References:**

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

# Certification Summary

Client: Plexus Scientific Corporation  
Project/Site: Ft. Drum/Nash Blvd.

TestAmerica Job ID: 240-27579-1

## Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-13 *
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-31-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
Wisconsin	State Program	5	999518190	08-31-13

\* Expired certification is currently pending renewal and is considered valid.

TestAmerica Canton



CHAIN OF CUSTODY

FED-EX Tracking # \_\_\_\_\_ Bottle Order Control # \_\_\_\_\_  
 Accutest Quote # \_\_\_\_\_ Accutest Job # \_\_\_\_\_

**Client / Reporting Information**  
 Company Name: Plexos Scientific  
 Street Address: 5510 Cherokee Ave S#330  
 City: Alexandria Va State: 22312  
 Project Contact: Mike Brown E-mail: \_\_\_\_\_  
 Phone # 703-820-3339 Fax # \_\_\_\_\_  
 Project Name: Fl. Drum / Wash Blvd.  
 Billing Information (if different from report to):  
 Company Name: \_\_\_\_\_  
 Street Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**Project Information**  
 Project Manager: London McKinney/Gerson Myers  
 Attention: \_\_\_\_\_

Accutest Sample #	Field ID / Point of Collection	MECH/VDI / Val #	Collection		Sampled by	Matrix	# of bottles	Number of preserved bottles												
			Date	Time				HCl	NaNH	HNO3	H2SO4	NONE	DI Water	MEOH	ENORE					
	TCLP-3S		8/5/13	1030	AM	SO	1				X									
	TCLP-3S		8/5/13	1030	AM	SO	1				X									
	TCLP-4S		8/5/13	1030	AM	SO	1				X									
	TCLP-4S		8/5/13	1030	AM	SO	1				X									
	TCLP-5D		8/5/13	1030	AM	SO	1				X									
	TCLP-5D		8/5/13	1030	AM	SO	1				X									

**Data Deliverable Information**  
 Commercial "A" (Level 1)  
 Commercial "B" (Level 2)  
 FULLT1 (Level 3+4)  
 NJ Reduced  
 Commercial "C"  
 NYASP Category A  
 NYASP Category B  
 State Forms  
 EDD Format  
 Other  
 Commercial "A" = Results Only  
 Commercial "B" = Results + QC Summary  
 NJ Reduced = Results + QC Summary + Partial Raw data

**Requested Analysis (see TEST CODE sheet)**  
 Matrix Codes:  
 DW - Drinking Water  
 GW - Ground Water  
 WW - Water  
 SW - Surface Water  
 SO - Soil  
 SL - Sludge  
 SED - Sediment  
 OI - Oil  
 LIQ - Other Liquid  
 AIR - Air  
 SOL - Other Solid  
 WP - Wipe  
 FB - Field Blank  
 EB - Equipment Blank  
 RB - Rinse Blank  
 TB - Trip Blank

**LAB USE ONLY**

Approved By (Accutest Pkg.): / Date: \_\_\_\_\_  
 Emergency & Rush T/A data available VIA Lablink

**Chain of Custody**  
 240-27579 Chain of Custody

Received By: 1 Date Time: 8/5/13  
 Received By: 3 Date Time: \_\_\_\_\_  
 Received By: 5 Date Time: \_\_\_\_\_

Relinquished By: 1 Date Time: \_\_\_\_\_  
 Relinquished By: 3 Date Time: \_\_\_\_\_  
 Relinquished By: 5 Date Time: \_\_\_\_\_

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished By: 2 Date Time: 8/13/2013  
 Relinquished By: 4 Date Time: \_\_\_\_\_  
 Relinquished By: 5 Date Time: \_\_\_\_\_

Received By: 4 Date Time: \_\_\_\_\_  
 Received By: 4 Date Time: \_\_\_\_\_

On Ice  Preserved where applicable  Cooler Temp. \_\_\_\_\_



Canton Facility

Client Plexus Scientific Site Name \_\_\_\_\_ Cooler unpacked by: Debra L. Green  
 Cooler Received on 8-6-13 Opened on 8-6-13  
 FedEx: 1<sup>st</sup> Grd  Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other \_\_\_\_\_  
 TestAmerica Cooler # \_\_\_\_\_ Foam Box  Client Cooler Box Other \_\_\_\_\_  
 Packing material used:  Bubble Wrap Foam Plastic Bag None Other \_\_\_\_\_  
 COOLANT:  Wet Ice Blue Ice Dry Ice Water None

- Cooler temperature upon receipt
 

IR GUN# A	(CF -1 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	<input type="checkbox"/> See Multiple Cooler Form
IR GUN# 4	(CF 0 °C)	Observed Cooler Temp. <u>26</u> °C	Corrected Cooler Temp. <u>26</u> °C	
IR GUN# 5	(CF +1 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8	(CF -0 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
- Were custody seals on the outside of the cooler(s)? If Yes Quantity 1  Yes  No  
 -Were custody seals on the outside of the cooler(s) signed & dated?  Yes  No  NA  
 -Were custody seals on the bottle(s)?  Yes  No
- Shippers' packing slip attached to the cooler(s)?  Yes  No
- Did custody papers accompany the sample(s)?  Yes  No
- Were the custody papers relinquished & signed in the appropriate place?  Yes  No
- Did all bottles arrive in good condition (Unbroken)?  Yes  No
- Could all bottle labels be reconciled with the COC?  Yes  No
- Were correct bottle(s) used for the test(s) indicated?  Yes  No
- Sufficient quantity received to perform indicated analyses?  Yes  No
- Were sample(s) at the correct pH upon receipt? Yes  No  NA pH Strip Lot# HC376062
- Were VOAs on the COC? Yes  No  NA
- Were air bubbles >6 mm in any VOA vials? Yes  No  NA
- Was a trip blank present in the cooler(s)? Yes  No  NA

Contacted PM \_\_\_\_\_ Date \_\_\_\_\_ by \_\_\_\_\_ via Verbal Voice Mail Other \_\_\_\_\_  
 Concerning \_\_\_\_\_

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: [Signature]

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15. SAMPLE CONDITION

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

16. SAMPLE PRESERVATION

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



## Login Sample Receipt Checklist

Client: Plexus Scientific Corporation

Job Number: 240-27579-1

**Login Number: 27579**

**List Source: TestAmerica Canton**

**List Number: 1**

**Creator: Maddux, Ann**

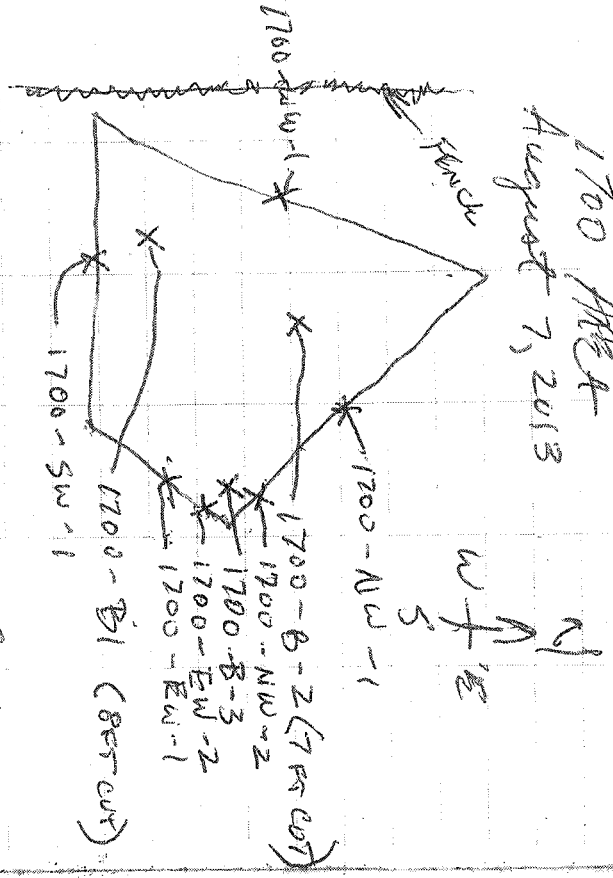
Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	False	REFER TO COOLER RECEIPT FORM
The cooler's custody seal, if present, is intact.	False	
Sample custody seals, if present, are intact.	False	
The cooler or samples do not appear to have been compromised or tampered with.	False	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	False	
COC is present.	False	
COC is filled out in ink and legible.	False	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time.	False	
Sample containers have legible labels.	False	
Containers are not broken or leaking.	False	
Sample collection date/times are provided.	False	
Appropriate sample containers are used.	False	
Sample bottles are completely filled.	False	
Sample Preservation Verified.	False	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	False	
Multiphasic samples are not present.	False	
Samples do not require splitting or compositing.	False	
Residual Chlorine Checked.	False	



# **APPENDIX B**

Field Notes

1700 Area A  
August 7, 2013



Well ID	Sample ID	Concentration
1700-SW-1	0947	0.2 ppm
1700-NW-1	1010	0.1 ppm
1700-EW-1	0951	0.3 ppm
1700-NW-1	0940	0.6 ppm
1700-B-1	1002	0.3 ppm
1700-B-2	1030	1.0 ppm

0930 - Bottle casing found  
 Paul Zeng notified  
 0935 - Paul Zeng removed the  
 paper lid found and  
 took

August 7, 2013 Equipment Operator  
 Gordon McManney Z  
 -339-236-0724  
 Paul Saunders  
 609-496-1869 SHHD

Sample ID	Well ID	Concentration
1225	1700-B-3 (9 ft cut)	
1355	1700-NW-2	0.1 ppm
1345	1700-EW-2	0.1 ppm

Eric Myers - Helpe  
 PID

Samples shipped to  
 Chemtrak by the end of  
 the work shift

~~Stephane~~  
 August 11, 2013

August 8, 2013

0745 - I arrived at the site  
Plejos moved truck  
around after noon to the  
Water tower

0830 - Gordon went over  
to 1100 Green to collect  
TCUP of soil in hall.

0900 ~~at~~ stand up safety Briefing  
organized by  
Paul & ourselves

people at the site  
include 4 people from  
Plejos

1230 - Noticed one worker was in  
been still which had been  
wrapped and assumed positive  
for lead until confirmed  
They were with and apparently  
worker he was told to  
come off the beam still  
until he deemed responsible  
post tomorrow.

August 8, 2013  
the work was done off of  
the beam still,  
- Plejos then used to  
remove 2 inches of  
lead contaminated soil  
Rogger - Clemente said  
- samples were received

~~by WPT  
August 8, 2013~~

August 14, 2013  
 0700 - Laminated the site  
 and met with the  
 workers at the Water  
 Tower Open

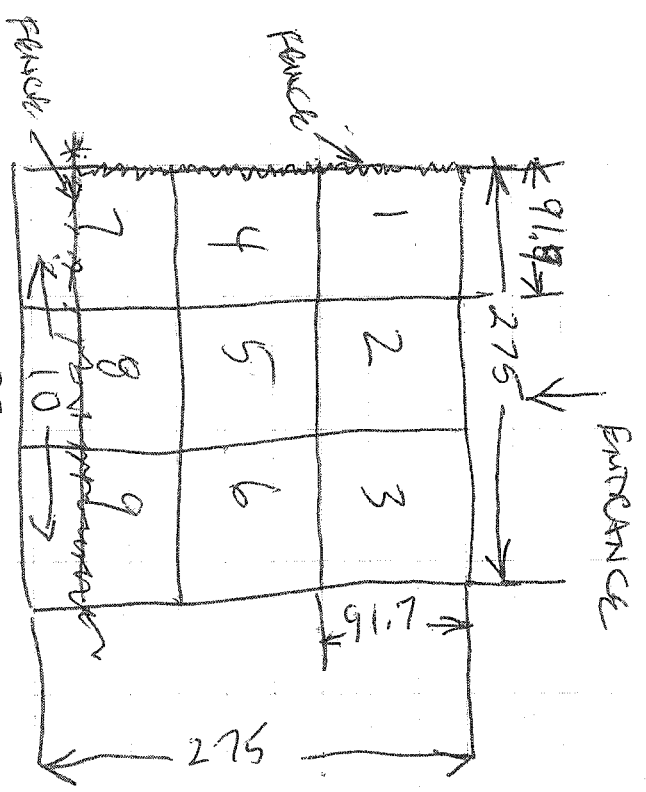
1 tower Open  
 - They had 3 people  
 and then they began  
 to direct the truck  
 containing soil into the  
 22-ton dump trucks

Call check OK

68 BW 7411 STANDARD  
 2700 Redung 2992 ppm  
 ± 90

Sample #	XRF READING	±	Time
1	118 ppm	±	1430
2	125 ppm	27	
3	141 ppm	7	
4	184 ppm	9	
5	533 ppm	17	Remove more soil
6	337 ppm	12	
7	307 ppm	11	
8	542 ppm	16	
9	732 ppm	19	

Water Tower Open



SAMPLE #	XRF READING	±	TIME
5			
6	162 ppm	8	1635
7		7	
8	134 ppm	7	1730
9			

2 additional inches of soil removed  
 from quills that failed XRF

Return on site

8-14-2013

SAMPLE #	TIME
WT 1-081413	1430
WT 2-081413	1435
WT 3-081413	1445
WT 4-081413	1500
WT 7-081413	1635
WT 8-081413	1730

Track Munked everywhere

~~Supply card~~  
 8/14/2013

August 15, 2013

0700 - Plectus performed the  
 assessed at the site  
 and contacted to  
 remove another 2 inches  
 of soil from WT area  
 0830 - California check XRF

180-605		
2756 ppm	± 64	Rated 2700
180-436		
584 ppm	± 20	Rated 500
180-601		
55 ppm	± 6	Rated 50

SAMPLE #	XRF READING	±	TIME	FAILOS
5	437 ppm	15	1150	
WT 6	195 ppm	9	1205	
9	146 ppm	8	1320	
10 (GROUND FRACTION)	141 ppm	7	1300	
800-423	9792			
AKDLTZ	191	9	1345	

Site in the Name

August 15, 2013

- All samples labeled, packaged and then shipped to Chemtech
- Alan W. Amundson and Chemtech justified of pending shipment.

~~Stephen Blyskal~~  
 August 15, 2013

## **APPENDIX C**

Contaminated Soil Waste Disposal Weight Tickets

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8/27/13

Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
Tel: (315) 661-3230

-----  
DATE:08/27/13    TICKET #: 317278  
TIME IN: 08:18    TIME OUT:08:36

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown    NY    13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5083                    License#:58994JU  
Container#:                    License#:  
          LBS                    Tons  
GROSS: 51180                    25.59  
TARE: 30660                    15.33  
NET: 20520                    10.26

-----  
MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 184.68  
          : 0.00  
TOTAL FEE: \$184.68

NOTE:

Weighmaster:Lisa Simpson  
\*\*\*\*\* REPRINTED TICKET \*\*\*\*\*

Larry

8/16/13

Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
Tel: (315) 661-3230

Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
Tel: (315) 661-3230

DATE:08/16/13 TICKET #: 316704  
TIME IN: 07:54 TIME OUT:08:11

DATE:08/16/13 TICKET #: 316706  
TIME IN: 08:08 TIME OUT:08:23

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5082 License#:58993JU  
Container#: License#:  
LBS Tons  
GROSS: 72600 36.30  
TARE: 30340 15.17  
NET: 42260 21.13

TRUCK#:5080 License#:58991JU  
Container#: License#:  
LBS Tons  
GROSS: 60080 30.04  
TARE: 30240 15.12  
NET: 29840 14.92

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 380.34  
: 0.00  
TOTAL FEE: \$380.34

TIP FEE: 268.56  
: 0.00  
TOTAL FEE: \$268.56

NOTE:

NOTE:

Weighmaster:Lisa Simpson  
THANK YOU!

Weighmaster:Lisa Simpson  
THANK YOU!



Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
Tel: (315) 661-3230

Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
Tel: (315) 661-3230

DATE:08/16/13 TICKET #: 316712  
TIME IN: 08:47 TIME OUT:09:03

DATE:08/16/13 TICKET #: 316723  
TIME IN: 09:40 TIME OUT:09:58

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5075 License#:73494MC  
Container#: License#:  
LBS Tons  
GROSS: 67600 33.80  
TARE: 30760 15.38  
NET: 36840 18.42

TRUCK#:5082 License#:58993JU  
Container#: License#:  
LBS Tons  
GROSS: 76020 38.01  
TARE: 30260 15.13  
NET: 45760 22.88

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 331.56  
: 0.00  
TOTAL FEE: \$331.56

TIP FEE: 411.84  
: 0.00  
TOTAL FEE: \$411.84

NOTE:

NOTE:

Weighmaster:Lisa Simpson  
THANK YOU!

Weighmaster:Lisa Simpson  
THANK YOU!



8/16/13  
Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
Tel: (315) 661-3230

DATE: 08/16/13 TICKET #: 316729  
TIME IN: 10:11 TIME OUT: 10:27

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

TRUCK#: 5080 License#: 58991JU  
Container#: License#:   
LBS Tons  
GROSS: 76020 38.01  
TARE: 30140 15.07  
NET: 45880 22.94

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 412.92  
: 0.00  
TOTAL FEE: \$412.92

NOTE:

Weighmaster: Lisa Simpson  
THANK YOU!



Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
Tel: (315) 661-3230

DATE: 08/16/13 TICKET #: 316731  
TIME IN: 10:37 TIME OUT: 10:52

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

TRUCK#: 5075 License#: 73494MC  
Container#: License#:   
LBS Tons  
GROSS: 74860 37.43  
TARE: 30480 15.24  
NET: 44380 22.19

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 399.42  
: 0.00  
TOTAL FEE: \$399.42

NOTE:

Weighmaster: Lisa Simpson  
THANK YOU!



Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
Tel: (315) 661-3230

DATE: 08/16/13 TICKET #: 316741  
TIME IN: 11:31 TIME OUT: 11:45

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

TRUCK#: 5082 License#: 58993JU  
Container#: License#:   
LBS Tons  
GROSS: 77500 38.75  
TARE: 30160 15.08  
NET: 47340 23.67

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 426.06  
: 0.00  
TOTAL FEE: \$426.06

NOTE:

Weighmaster: Valerie Deon  
THANK YOU!



Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
Tel: (315) 661-3230

DATE: 08/16/13 TICKET #: 316747  
TIME IN: 12:10 TIME OUT: 12:23

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

TRUCK#: 5080 License#: 58991JU  
Container#: License#:   
LBS Tons  
GROSS: 72080 36.04  
TARE: 30300 15.15  
NET: 41780 20.89

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 376.02  
: 0.00  
TOTAL FEE: \$376.02

NOTE:

Weighmaster: Valerie Deon  
THANK YOU!



8/16/13

Development Authority of the North Country  
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Tel: (315) 661-3230

DATE:08/16/13 TICKET #: 316751  
TIME IN: 12:28 TIME OUT:12:42

DATE:08/16/13 TICKET #: 316766  
TIME IN: 13:11 TIME OUT:13:47

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5075 License#:73494MC  
Container#: License#:  
LBS Tons  
GROSS: 70860 35.43  
TARE: 30560 15.28  
NET: 40300 20.15

TRUCK#:5082 License#:58993JU  
Container#: License#:  
LBS Tons  
GROSS: 83140 41.57  
TARE: 63280 31.64  
NET: 19860 9.93

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 362.70  
: 0.00  
TOTAL FEE: \$362.70

TIP FEE: 178.74  
: 0.00  
TOTAL FEE: \$178.74

NOTE:

NOTE:

Weighmaster:Valerie Deon  
THANK YOU!

Weighmaster:Valerie Deon  
THANK YOU!



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Tel: (315) 661-3230

DATE:08/16/13 TICKET #: 316774  
TIME IN: 14:08 TIME OUT:14:19

DATE:08/16/13 TICKET #: 316778  
TIME IN: 14:18 TIME OUT:14:32

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5080 License#:58991JU  
Container#: License#:  
LBS Tons  
GROSS: 72200 36.10  
TARE: 30180 15.09  
NET: 42020 21.01

TRUCK#:5075 License#:73494MC  
Container#: License#:  
LBS Tons  
GROSS: 71920 35.96  
TARE: 30460 15.23  
NET: 41460 20.73

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 378.18  
: 0.00  
TOTAL FEE: \$378.18

TIP FEE: 373.14  
: 0.00  
TOTAL FEE: \$373.14

NOTE:

NOTE:

Weighmaster:Jamie Perry  
THANK YOU!

Weighmaster:Jamie Perry  
THANK YOU!



8/16/13

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Solid Waste Management Facility  
23400 NYS Route 177  
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Tel: (315) 661-3230

DATE: 08/16/13 TICKET #: 316782  
TIME IN: 14:48 TIME OUT: 15:05

DATE: 08/16/13 TICKET #: 316784  
TIME IN: 15:31 TIME OUT: 15:31

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

TRUCK#: 5072	License#: 73491MC
Container#:	License#:
LBS	Tons
GROSS: 79380	39.69
TARE: 30680	15.34
NET: 48700	24.35

TRUCK#: 5078	License#: 73497MC
Container#:	License#:
LBS	Tons
GROSS: 78340	39.17
TARE: 31620	15.81
NET: 46720	23.36

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 438.30  
: 0.00  
TOTAL FEE: \$438.30

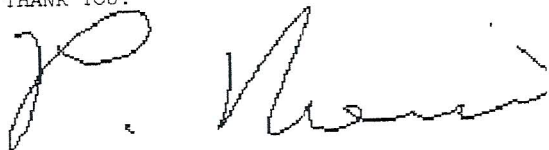
TIP FEE: 420.48  
: 0.00  
TOTAL FEE: \$420.48

NOTE:

NOTE:

Weighmaster: Jamie Perry  
THANK YOU!

Weighmaster: Jamie Perry  
THANK YOU!



8/14/13

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DATE:08/14/13 TICKET #: 316552  
TIME IN: 08:05 TIME OUT:08:22

DATE:08/14/13 TICKET #: 316553  
TIME IN: 08:10 TIME OUT:08:26

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5075 License#:73494MC  
Container#: License#:  
LBS Tons  
GROSS: 69800 34.90  
TARE: 30980 15.49  
NET: 38820 19.41

TRUCK#:5073 License#:73492MC  
Container#: License#:  
LBS Tons  
GROSS: 66640 33.32  
TARE: 31020 15.51  
NET: 35620 17.81

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 349.38  
: 0.00  
TOTAL FEE: \$349.38

TIP FEE: 320.58  
: 0.00  
TOTAL FEE: \$320.58

NOTE:

NOTE:

Weighmaster:Lisa Simpson  
THANK YOU!

Weighmaster:Lisa Simpson  
THANK YOU!

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Tel: (315) 661-3230

DATE:08/14/13 TICKET #: 316563  
TIME IN: 09:28 TIME OUT:09:46

DATE:08/14/13 TICKET #: 316564  
TIME IN: 09:29 TIME OUT:09:48

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5327 License#:58995JU  
Container#: License#:  
LBS Tons  
GROSS: 73380 36.69  
TARE: 30840 15.42  
NET: 42540 21.27

TRUCK#:5081 License#:58992JU  
Container#: License#:  
LBS Tons  
GROSS: 72140 36.07  
TARE: 30700 15.35  
NET: 41440 20.72

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 382.86  
: 0.00  
TOTAL FEE: \$382.86

TIP FEE: 372.96  
: 0.00  
TOTAL FEE: \$372.96

NOTE:

NOTE:

Weighmaster:Lisa Simpson  
THANK YOU!

Weighmaster:Lisa Simpson  
THANK YOU!

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Solid Waste Management Facility  
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Tel: (315) 661-3230

DATE:08/14/13 TICKET #: 316566  
TIME IN: 09:54 TIME OUT:10:09

DATE:08/14/13 TICKET #: 316567  
TIME IN: 10:02 TIME OUT:10:18

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5073 License#:73492MC  
Container#: License#:  
LBS Tons  
GROSS: 73060 36.53  
TARE: 30700 15.35  
NET: 42360 21.18

TRUCK#:5075 License#:73494MC  
Container#: License#:  
LBS Tons  
GROSS: 69880 34.94  
TARE: 30720 15.36  
NET: 39160 19.58

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH


MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 381.24  
: 0.00  
TOTAL FEE: \$381.24

TIP FEE: 352.44  
: 0.00  
TOTAL FEE: \$352.44

NOTE:  
Weighmaster:Lisa Simpson  
THANK YOU!

NOTE:  
Weighmaster:Lisa Simpson  
THANK YOU!



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Tel: (315) 661-3230

DATE:08/14/13 TICKET #: 316578  
TIME IN: 11:14 TIME OUT:11:32

DATE:08/14/13 TICKET #: 316580  
TIME IN: 11:25 TIME OUT:11:40

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5327 License#:58995JU  
Container#: License#:  
LBS Tons  
GROSS: 73600 36.80  
TARE: 31240 15.62  
NET: 42360 21.18

TRUCK#:5081 License#:58992JU  
Container#: License#:  
LBS Tons  
GROSS: 75800 37.90  
TARE: 30780 15.39  
NET: 45020 22.51

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

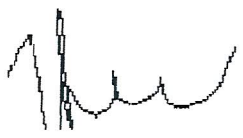
MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 381.24  
: 0.00  
TOTAL FEE: \$381.24

TIP FEE: 405.18  
: 0.00  
TOTAL FEE: \$405.18

NOTE:  
Weighmaster:Valerie Deon  
THANK YOU!

NOTE:  
Weighmaster:Valerie Deon  
THANK YOU!



8/14/13

Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
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23400 NYS Route 177  
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Tel: (315) 661-3230

DATE:08/14/13 TICKET #: 316583  
TIME IN: 11:40 TIME OUT:11:54

DATE:08/14/13 TICKET #: 316587  
TIME IN: 11:54 TIME OUT:12:10

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5073 License#:73492MC  
Container#: License#:  
LBS Tons  
GROSS: 71020 35.51  
TARE: 30920 15.46  
NET: 40100 20.05

TRUCK#:5075 License#:73494MC  
Container#: License#:  
LBS Tons  
GROSS: 66940 33.47  
TARE: 30820 15.41  
NET: 36120 18.06

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 360.90  
: 0.00  
TOTAL FEE: \$360.90

TIP FEE: 325.08  
: 0.00  
TOTAL FEE: \$325.08

NOTE:

NOTE:

Weighmaster:Valerie Deon  
THANK YOU!

Weighmaster:Jamie Perry  
THANK YOU!



Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
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Rodman, New York 13682  
Tel: (315) 661-3230

DATE:08/14/13 TICKET #: 316600  
TIME IN: 13:16 TIME OUT:13:37

DATE:08/14/13 TICKET #: 316605  
TIME IN: 13:26 TIME OUT:13:48

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5327 License#:58995JU  
Container#: License#:  
LBS Tons  
GROSS: 72240 36.12  
TARE: 31180 15.59  
NET: 41060 20.53

TRUCK#:5081 License#:58992JU  
Container#: License#:  
LBS Tons  
GROSS: 68920 34.46  
TARE: 30680 15.34  
NET: 38240 19.12

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 369.54  
: 0.00  
TOTAL FEE: \$369.54

TIP FEE: 344.16  
: 0.00  
TOTAL FEE: \$344.16

NOTE:

NOTE:

Weighmaster:Jamie Perry  
THANK YOU!

Weighmaster:Jamie Perry  
THANK YOU!





8/14/13

Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
Tel: (315) 661-3230

-----  
DATE:08/14/13    TICKET #: 316618  
TIME IN: 14:29    TIME OUT:14:44

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown    NY    13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

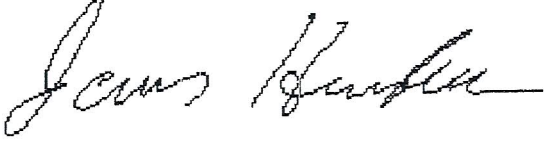
TRUCK#:5073    License#:73492MC  
Container#:    License#:  
LBS    Tons  
GROSS: 63960    31.98  
TARE: 30820    15.41  
NET:    33140    16.57

-----  
MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C:    2540 - #13-39 FT. DRUM/NASH

TIP FEE: 298.26  
:    0.00  
TOTAL FEE: \$298.26

NOTE:

Weighmaster:Jamie Perry  
THANK YOU!



8/13/13

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Tel: (315) 661-3230

DATE:08/13/13 TICKET #: 316478  
TIME IN: 08:41 TIME OUT:09:02

DATE:08/13/13 TICKET #: 316482  
TIME IN: 09:03 TIME OUT:09:22

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5079 License#:73498MC  
Container#: License#:  
LBS Tons  
GROSS: 81560 40.78  
TARE: 31460 15.73  
NET: 50100 25.05

TRUCK#:5075 License#:73494MC  
Container#: License#:  
LBS Tons  
GROSS: 78260 39.13  
TARE: 30720 15.36  
NET: 47540 23.77

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 450.90  
: 0.00  
TOTAL FEE: \$450.90

TIP FEE: 427.86  
: 0.00  
TOTAL FEE: \$427.86

NOTE:

NOTE:

Weighmaster:Lisa Simpson  
THANK YOU!

Weighmaster:Lisa Simpson  
THANK YOU!



Development Authority of the North Country  
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Tel: (315) 661-3230

DATE:08/13/13 TICKET #: 316495  
TIME IN: 10:31 TIME OUT:10:48

DATE:08/13/13 TICKET #: 316496  
TIME IN: 10:43 TIME OUT:10:59

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5079 License#:73498MC  
Container#: License#:  
LBS Tons  
GROSS: 73060 36.53  
TARE: 31340 15.67  
NET: 41720 20.86

TRUCK#:5075 License#:73494MC  
Container#: License#:  
LBS Tons  
GROSS: 69780 34.89  
TARE: 30660 15.33  
NET: 39120 19.56

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 375.48  
: 0.00  
TOTAL FEE: \$375.48


TIP FEE: 352.08  
: 0.00  
TOTAL FEE: \$352.08

NOTE:

NOTE:

Weighmaster:Lisa Simpson  
THANK YOU!

Weighmaster:Lisa Simpson  
THANK YOU!



8/12/13

Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
Tel: (315) 661-3230

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Tel: (315) 661-3230

DATE:08/12/13 TICKET #: 316384  
TIME IN: 08:30 TIME OUT:08:45

DATE:08/12/13 TICKET #: 316385  
TIME IN: 08:37 TIME OUT:08:55

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5083 License#:58994JU  
Container#: License#: :  
LBS Tons  
GROSS: 59580 29.79  
TARE: 30580 15.29  
NET: 29000 14.50

TRUCK#:5075 License#:73494MC  
Container#: License#: :  
LBS Tons  
GROSS: 51380 25.69  
TARE: 30820 15.41  
NET: 20560 10.28

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

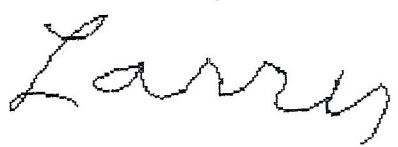
MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 261.00  
: 0.00  
TOTAL FEE: \$261.00

TIP FEE: 185.04  
: 0.00  
TOTAL FEE: \$185.04

NOTE:  
Weighmaster:Lisa Simpson  
THANK YOU!

NOTE:  
Weighmaster:Lisa Simpson  
THANK YOU!



Development Authority of the North Country  
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23400 NYS Route 177  
Rodman, New York 13682  
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Tel: (315) 661-3230

DATE:08/12/13 TICKET #: 316386  
TIME IN: 08:44 TIME OUT:08:58

DATE:08/12/13 TICKET #: 316388  
TIME IN: 09:01 TIME OUT:09:24

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5073 License#:73492MC  
Container#: License#: :  
LBS Tons  
GROSS: 53580 26.79  
TARE: 30680 15.34  
NET: 22900 11.45

TRUCK#:5072 License#:73491MC  
Container#: License#: :  
LBS Tons  
GROSS: 59600 29.80  
TARE: 31500 15.75  
NET: 28100 14.05

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

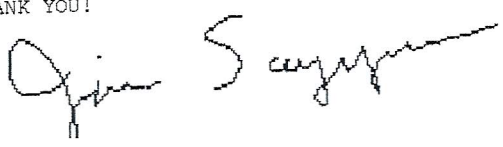
MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 206.10  
: 0.00  
TOTAL FEE: \$206.10

TIP FEE: 252.90  
: 0.00  
TOTAL FEE: \$252.90

NOTE:  
Weighmaster:Lisa Simpson  
THANK YOU!

NOTE:  
Weighmaster:Lisa Simpson  
THANK YOU!



8/12/13

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Tel: (315) 661-3230

DATE:08/12/13 TICKET #: 316389  
TIME IN: 09:00 TIME OUT:09:26

DATE:08/12/13 TICKET #: 316396  
TIME IN: 10:08 TIME OUT:10:24

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5079 License#:73498MC  
Container#: License#:  
LBS Tons  
GROSS: 58760 29.38  
TARE: 31300 15.65  
NET: 27460 13.73

TRUCK#:5083 License#:589940U  
Container#: License#:  
LBS Tons  
GROSS: 68840 34.42  
TARE: 30500 15.25  
NET: 38340 19.17

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 247.14  
: 0.00  
TOTAL FEE: \$247.14

TIP FEE: 345.06  
: 0.00  
TOTAL FEE: \$345.06

NOTE:

NOTE:

Weighmaster:Lisa Simpson  
THANK YOU!

Weighmaster:Lisa Simpson  
THANK YOU!



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DATE:08/12/13 TICKET #: 316403  
TIME IN: 10:23 TIME OUT:10:40

DATE:08/12/13 TICKET #: 316404  
TIME IN: 10:29 TIME OUT:10:42

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

Haul Acct:TJCLEMCO  
Company:T.J. Clement Construction Co., I

TRUCK#:5075 License#:73494MC  
Container#: License#:  
LBS Tons  
GROSS: 64420 32.21  
TARE: 30660 15.33  
NET: 33760 16.88

TRUCK#:5073 License#:73492MC  
Container#: License#:  
LBS Tons  
GROSS: 64960 32.48  
TARE: 30620 15.31  
NET: 34340 17.17

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL:600 - Contaminated Soil  
County :10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 303.84  
: 0.00  
TOTAL FEE: \$303.84

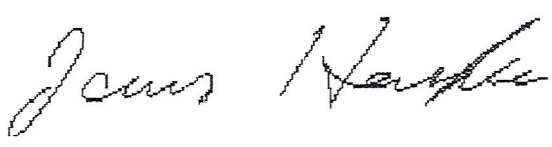
TIP FEE: 309.06  
: 0.00  
TOTAL FEE: \$309.06

NOTE:

NOTE:

Weighmaster:Lisa Simpson  
THANK YOU!

Weighmaster:Lisa Simpson  
THANK YOU!



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Rodman, New York 13682  
Tel: (315) 661-3230

DATE: 08/12/13 TICKET #: 316409  
TIME IN: 11:08 TIME OUT: 11:25

DATE: 08/12/13 TICKET #: 316413  
TIME IN: 11:17 TIME OUT: 11:34

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

TRUCK#: 5072 License#: 73491MC  
Container#: License#: LBS Tons  
GROSS: 64340 32.17  
TARE: 31560 15.78  
NET: 32780 16.39

TRUCK#: 5079 License#: 73498MC  
Container#: License#: LBS Tons  
GROSS: 66700 33.35  
TARE: 31200 15.60  
NET: 35500 17.75

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 295.02  
: 0.00  
TOTAL FEE: \$295.02

TIP FEE: 319.50  
: 0.00  
TOTAL FEE: \$319.50

NOTE:

NOTE:

Weighmaster: Valerie Deon  
THANK YOU!

Weighmaster: Valerie Deon  
THANK YOU!



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DATE: 08/12/13 TICKET #: 316418  
TIME IN: 11:48 TIME OUT: 12:04

DATE: 08/12/13 TICKET #: 316420  
TIME IN: 12:07 TIME OUT: 12:24

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

TRUCK#: 5083 License#: 58994JU  
Container#: License#: LBS Tons  
GROSS: 62860 31.43  
TARE: 30420 15.21  
NET: 32440 16.22

TRUCK#: 5075 License#: 73494MC  
Container#: License#: LBS Tons  
GROSS: 61040 30.52  
TARE: 30560 15.28  
NET: 30480 15.24

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 291.96  
: 0.00  
TOTAL FEE: \$291.96

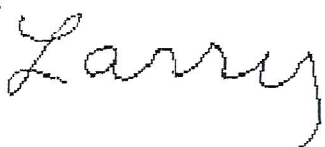
TIP FEE: 274.32  
: 0.00  
TOTAL FEE: \$274.32

NOTE:

NOTE:

Weighmaster: Lisa Simpson  
THANK YOU!

Weighmaster: Lisa Simpson  
THANK YOU!



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Tel: (315) 661-3230

DATE: 08/12/13 TICKET #: 316430  
TIME IN: 13:03 TIME OUT: 13:23

DATE: 08/12/13 TICKET #: 316431  
TIME IN: 13:12 TIME OUT: 13:34

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

TRUCK#: 5072 License#: 73491MC  
Container#: License#: :  
LBS Tons  
GROSS: 63140 31.57  
TARE: 31500 15.75  
NET: 31640 15.82

TRUCK#: 5079 License#: 73498MC  
Container#: License#: :  
LBS Tons  
GROSS: 72020 36.01  
TARE: 31140 15.57  
NET: 40880 20.44

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 284.76  
: 0.00  
TOTAL FEE: \$284.76

TIP FEE: 367.92  
: 0.00  
TOTAL FEE: \$367.92

NOTE:

NOTE:

Weighmaster: Lisa Simpson  
THANK YOU!

Weighmaster: Lisa Simpson  
THANK YOU!



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Rodman, New York 13682  
Tel: (315) 661-3230

DATE: 08/12/13 TICKET #: 316437  
TIME IN: 13:40 TIME OUT: 13:56

DATE: 08/12/13 TICKET #: 316443  
TIME IN: 14:05 TIME OUT: 14:20

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown NY 13601

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

TRUCK#: 5083 License#: 994JU  
Container#: License#: :  
LBS Tons  
GROSS: 69400 34.70  
TARE: 30360 15.18  
NET: 39040 19.52

TRUCK#: 5073 License#: 73492MC  
Container#: License#: :  
LBS Tons  
GROSS: 72360 36.18  
TARE: 30820 15.41  
NET: 41540 20.77

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C: 2540 - #13-39 FT. DRUM/NASH

TIP FEE: 351.36  
: 0.00  
TOTAL FEE: \$351.36

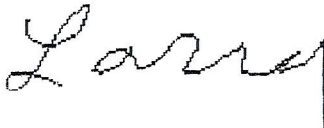
TIP FEE: 373.86  
: 0.00  
TOTAL FEE: \$373.86

NOTE:

NOTE:

Weighmaster: Lisa Simpson  
THANK YOU!

Weighmaster: Lisa Simpson  
THANK YOU!



8/12/13

Development Authority of the North Country  
Solid Waste Management Facility  
23400 NYS Route 177  
Rodman, New York 13682  
Tel: (315) 661-3230

-----  
DATE: 08/12/13    TICKET #: 316449  
TIME IN: 14:24    TIME OUT: 14:43

Bill Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I  
PO Box 201  
Watertown    NY    13601

Haul Acct: TJCLEMCO  
Company: T.J. Clement Construction Co., I

TRUCK#: 5075                    License#: 73494MC  
Container#:                    License#:  
                  LBS                    Tons  
GROSS:    72340                    36.17  
TARE:      30660                    15.33  
NET:        41680                    20.84

-----  
MATERIAL: 600 - Contaminated Soil  
County : 10 - Jefferson  
W/C:      2540 - #13-39 FT. DRUM/NASH

TIP FEE: 375.12  
          :    0.00  
TOTAL FEE: \$375.12

NOTE:

Weighmaster: Lisa Simpson  
THANK YOU!



# **APPENDIX D**

Daily CQC Reports





**DAILY CONSTRUCTION QUALITY CONTROL REPORT**

<b>PROJECT</b>	Nash Boulevard Water Tower Lead Contaminated Soil Removal, Area 1700 Contaminated Soil Removal, Fort Drum, New York
<b>CONTRACT NUMBER</b>	W912DR-12-D-0009
<b>DATE</b>	08/08/2013
<b>REPORT NUMBER</b>	004
<b>WEATHER</b>	80°F   Overcast   Precip: 0"
<b>DEFINABLE FEATURE(S) OF WORK</b>	Site preparation at Nash Blvd Waste characterization sampling Area 1700 Definable feature - Excavation

**MEETINGS AND INSPECTIONS**

<b>SAFETY MEETING</b>	Safety Meeting was held a 0900 by the SSHO Paul Lawless. Topics covered include site specific hazards such as slip, trip, fall, truck and excavator safety, COCs, excavation safety, requirements of the APP/SSHP, PPE, monitoring requirements, and evacuation/accident reporting/ emergency contacts/hospital routes information. In addition, Josh Coe was given his initial site H&S training. The day's plan of activities was also discussed, which included an open discussion of any additional hazards or concerns. Once the excavator and necessary supplies (geotextile, silt fence, fence posts) were brought to Nash Blvd, an additional tailgate meeting was conducted. Mr. Paul Lawless went over the site specific HASP, potential hazards and all AHA's.
<b>THREE PHASE CONTROL SYSTEM</b>	
<b>PREPARATORY</b>	NA - Completed prior to site mobilization
<b>INITIAL</b>	Once mobilized to the Nash Blvd site an initial phase meeting was conducted and site work, personnel, materials, equipment requirements were checked and confirmed and is ongoing. All job sites have been have been inspected and are ready for site work. A site walk to go over the layout, and to show specific site hazards (sewer line, water line and overhead electrical lines was also conducted.
<b>FOLLOW UP</b>	Follow up inspection was conducted at Area 1700 to ensure the excavation was safe, and to OSHA Standards. The site was fenced off, and any remaining supplies were removed from the jobsite.
<b>FINAL</b>	NA – Job not complete

**VISITORS**

<b>NAME</b>	<b>EMPLOYER</b>	<b>ENTRY</b>	<b>EXIT</b>	<b>REASON FOR VISIT</b>
Paul Zang	Fort Drum	1000	1030	Site inspection

**ACTIVITIES AND EVENTS**

ACTIVITY ACTIVITY NUMBER		STATUS START = S CONT. = C FINISH = F	COMMENTS
1	Area 1700 Waste Characterization Sampling	F	Josh Coe and Aaron Myers performed TCPL sampling of the three roll-off containers located the 1700 site.
2	Mobilize to Nash Blvd	F	The excavator was decontaminated prior to changing job sites. The roll-offs were covered in plastic and taped to ensure it will remain tight. The site was inspected once more, and closed until analysis returns from yesterday's confirmation sampling. T.J. Clement Trucking arrived to the 1700 site to transport the excavator to Nash Blvd.
3	Prepare site for excavation	F	Silt fence was installed at the southwest corner, outside of the fence as stated in the RAWP
4	Commence excavation at Nash Blvd	C	Once the fencing was installed, excavation activities began. The entire excavation footprint located outside of the Fort Drum boundary was excavated to the depth of 2". While excavating, Mr. Paul Lawless used a dust monitor, and recorded all data. No dust was encountered while removal actions took place. Once completed, geotextile was installed in preparations of rip-rap to be delivered by T.J. Clement. Once the stone arrived, the CRZ was installed. Fence posts were also installed around the entire site where the boundary fence is no longer standing. In addition, caution tape was placed in two levels to create a no access zone.
<b>CHANGES FROM PLANS, SPECIFICATIONS, OTHER SPECIAL ORDERS, AND IMPORTANT DECISIONS</b>			
1			

**MAN-HOUR and EQUIPMENT REPORT**

EQUIPMENT					PERSONNEL HOURS		
Description	No.	Operating Hours	Standby Hours	Repair Hours	Person/Company	Job Description	Hours
Excavator	1	7	NA	NA	Landon McKenney - Plexus	QCSCM	9
					Paul Lawless - PARS	SSHO	9
					Aaron Myers - Bluestone	Staff Scientist	9
Total man-hours (This Date)							27
Total cumulative man-hours (Previous Report)							78.5
Total cumulative man-hours (To Date)							105.5



**REMARKS**

Remarks: None

**CERTIFICATION**

The report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

\_\_\_\_\_  
Contractor's Approved Authorized Representative

<b>GOVERNMENT QUALITY ASSURANCE REPORT</b>	<b>DATE:</b>
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT:	
_____ Government Quality Assurance Representative	Date: _____



**DAILY CONSTRUCTION QUALITY CONTROL REPORT**

<b>PROJECT</b>	Nash Boulevard Water Tower Lead Contaminated Soil Removal, Area 1700 Contaminated Soil Removal, Fort Drum, New York
<b>CONTRACT NUMBER</b>	W912DR-12-D-0009
<b>DATE</b>	08/09/2013
<b>REPORT NUMBER</b>	005
<b>WEATHER</b>	74°F   Rain   Precip: 0.43"
<b>DEFINABLE FEATURE(S) OF WORK</b>	Definable feature - Excavation Nash Blvd

**MEETINGS AND INSPECTIONS**

<b>SAFETY MEETING</b>	Safety Meeting was held a 0700 by the SSHO Paul Lawless. Topics covered include site specific hazards such as slip, trip, fall, truck and excavator safety, COCs, excavation safety, requirements of the APP/SSHP, PPE, monitoring requirements, and evacuation/accident reporting/ emergency contacts/hospital routes information. The day's plan of activities was also discussed, which included an open discussion of any additional hazards or concerns.
<b>THREE PHASE CONTROL SYSTEM</b>	
<b>PREPARATORY</b>	NA - Completed prior to site mobilization
<b>INITIAL</b>	NA – Continuation of work activities at Nash Blvd
<b>FOLLOW UP</b>	Prior to site work, personnel, materials, equipment requirements were checked and confirmed and is ongoing. All job sites have been have been inspected and are ready for site work. A follow-up phase inspection was performed at the site to ensure the excavation was safe, and to OSHA Standards. The site was fenced off, and any remaining supplies were removed from the job site. Follow up inspection was conducted at Area 1700 to ensure the excavation was safe, and to OSHA Standards.
<b>FINAL</b>	NA – Job not complete

**VISITORS**

<b>NAME</b>	<b>EMPLOYER</b>	<b>ENTRY</b>	<b>EXIT</b>	<b>REASON FOR VISIT</b>
Paul Zang	Fort Drum	1000	1030	Site inspection

**ACTIVITIES AND EVENTS**

ACTIVITY ACTIVITY NUMBER		STATUS START = S CONT. = C FINISH= F	COMMENTS
1	Excavation of 2" Grid Cells at Nash Blvd	C	Upon completion of safety meeting, excavation began with the 2" cut on all required cells. The soil generated from the excavation was placed into a segregated pile so it could be easily accessed once load out activities begin on Monday. During excavation, air monitoring was conducted by Mr. Paul Lawless, and due to the rain, we experienced no dust issues.
2	Site Clean Up	F	On conclusion of the daily excavation activities, the site was cleaned up and fenced off.
3	Inspection of Area 1700 Excavation	F	A follow-up phase inspection was performed at the site to ensure the excavation was safe, and to OSHA Standards.
<b>CHANGES FROM PLANS, SPECIFICATIONS, OTHER SPECIAL ORDERS, AND IMPORTANT DECISIONS</b>			

**MAN-HOUR and EQUIPMENT REPORT**

EQUIPMENT					PERSONNEL HOURS		
Description	No.	Operating Hours	Standby Hours	Repair Hours	Person/Company	Job Description	Hours
Excavator	1	7	NA	NA	Landon McKenney - Plexus	QCSCM	9
					Paul Lawless - PARS	SSHO	9
					Aaron Myers - Bluestone	Staff Scientist	9
Total man-hours (This Date)							27
Total cumulative man-hours (Previous Report)							105.5
Total cumulative man-hours (To Date)							132.5



**REMARKS**

Remarks: None

**CERTIFICATION**

The report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

\_\_\_\_\_  
Contractor's Approved Authorized Representative

<b>GOVERNMENT QUALITY ASSURANCE REPORT</b>	<b>DATE:</b>
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT:	
_____ Government Quality Assurance Representative	Date: _____



**DAILY CONSTRUCTION QUALITY CONTROL REPORT**

<b>PROJECT</b>	Nash Boulevard Water Tower Lead Contaminated Soil Removal, Area 1700 Contaminated Soil Removal, Fort Drum, New York
<b>CONTRACT NUMBER</b>	W912DR-12-D-0009
<b>DATE</b>	08/10/2013
<b>REPORT NUMBER</b>	006
<b>WEATHER</b>	74°F   Overcast   Precip: <0.1"
<b>DEFINABLE FEATURE(S) OF WORK</b>	Definable feature - Excavation Nash Blvd

**MEETINGS AND INSPECTIONS**

<b>SAFETY MEETING</b>	Safety Meeting was held a 0700 by the SSHO Paul Lawless. Topics covered include site specific hazards such as slip, trip, fall, truck and excavator safety, COCs, excavation safety, requirements of the APP/SSHP, PPE, monitoring requirements, and evacuation/accident reporting/ emergency contacts/hospital routes information. The day’s plan of activities was also discussed, which included an open discussion of any additional hazards or concerns.
<b>THREE PHASE CONTROL SYSTEM</b>	
<b>PREPARATORY</b>	NA - Completed prior to site mobilization
<b>INITIAL</b>	NA – Continuation of work activities at Nash Blvd
<b>FOLLOW UP</b>	Prior to site work, personnel, materials, equipment requirements were checked and confirmed and is ongoing. All job sites have been have been inspected and are ready for site work. A follow-up phase inspection was performed at the site to ensure the excavation was safe, and to OSHA Standards. The site was fenced off, and any remaining supplies were removed from the job site. Follow up inspection was conducted at Area 1700 to ensure the excavation was safe, and to OSHA Standards.
<b>FINAL</b>	NA – Job not complete

**VISITORS**

<b>NAME</b>	<b>EMPLOYER</b>	<b>ENTRY</b>	<b>EXIT</b>	<b>REASON FOR VISIT</b>



**ACTIVITIES AND EVENTS**

ACTIVITY ACTIVITY NUMBER		STATUS START = S CONT. = C FINISH= F	COMMENTS
1	Excavation of 2" Grid Cells at Nash Blvd	C	Upon completion of safety meeting, excavation began with the 2" cut on all required cells. The soil generated from the excavation was placed into a segregated pile so it could be easily accessed once load out activities begin on Monday. During excavation, air monitoring was conducted by Mr. Paul Lawless. No dust was generated during the scraping process. The remaining portion of the fence line was scraped. Once completed, Plexus employees put on rubber boots to enter the open portion of the excavation. The bucket of the excavator was placed close to the fence line while the small amount closest to the fence was hand dug 2" to ensure all soils under the fence was removed.
2	Site Clean Up	F	On conclusion of the daily excavation activities, the site was cleaned up and fenced off.
3	Inspection of Area 1700 Excavation	F	A follow-up phase inspection was performed at the site to ensure the excavation was safe, and to OSHA Standards.
<b>CHANGES FROM PLANS, SPECIFICATIONS, OTHER SPECIAL ORDERS, AND IMPORTANT DECISIONS</b>			

**MAN-HOUR and EQUIPMENT REPORT**

EQUIPMENT					PERSONNEL HOURS		
Description	No.	Operating Hours	Standby Hours	Repair Hours	Person/Company	Job Description	Hours
Excavator	1	5	NA	NA	Landon McKenney - Plexus	QCSM	7
					Paul Lawless - PARS	SSHO	7
					Aaron Myers - Bluestone	Staff Scientist	7
Total man-hours (This Date)							21
Total cumulative man-hours (Previous Report)							153.5
Total cumulative man-hours (To Date)							





**REMARKS**

Remarks: None

**CERTIFICATION**

The report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

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Contractor's Approved Authorized Representative

<b>GOVERNMENT QUALITY ASSURANCE REPORT</b>	<b>DATE:</b>
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT:	
_____ Government Quality Assurance Representative	Date: _____



**DAILY CONSTRUCTION QUALITY CONTROL REPORT**

<b>PROJECT</b>	Nash Boulevard Water Tower Lead Contaminated Soil Removal, Area 1700 Contaminated Soil Removal, Fort Drum, New York
<b>CONTRACT NUMBER</b>	W912DR-12-D-0009
<b>DATE</b>	08/12/2013
<b>REPORT NUMBER</b>	007
<b>WEATHER</b>	80°F   Clear Skies   Precip: 0"
<b>DEFINABLE FEATURE(S) OF WORK</b>	Definable feature - Excavation Nash Blvd

**MEETINGS AND INSPECTIONS**

<b>SAFETY MEETING</b>	Safety Meeting was held a 0700 by the SSHO Paul Lawless. Topics covered include site specific hazards such as slip, trip, fall, truck and excavator safety, COCs, excavation safety, requirements of the APP/SSHP, PPE, monitoring requirements, and evacuation/accident reporting/ emergency contacts/hospital routes information. The day's plan of activities was also discussed, which included an open discussion of any additional hazards or concerns. Focus was also given to trucking safety.
<b>THREE PHASE CONTROL SYSTEM</b>	
<b>PREPARATORY</b>	NA - Completed prior to site mobilization
<b>INITIAL</b>	NA – Continuation of work activities at Nash Blvd
<b>FOLLOW UP</b>	Prior to site work, personnel, materials, equipment requirements were checked and confirmed and is ongoing. All job sites have been have been inspected and are ready for site work. A follow-up phase inspection was performed at the site to ensure the excavation was safe, and to OSHA Standards. The site was fenced off, and any remaining supplies were removed from the job site. Follow up inspection was conducted at Area 1700 to ensure the excavation was safe, and to OSHA Standards.
<b>FINAL</b>	NA – Job not complete

**VISITORS**

<b>NAME</b>	<b>EMPLOYER</b>	<b>ENTRY</b>	<b>EXIT</b>	<b>REASON FOR VISIT</b>
Duane Quates	Fort Drum	1430	1500	Inspection of excavation (Cultural)

**ACTIVITIES AND EVENTS**

ACTIVITY ACTIVITY NUMBER		STATUS START = S CONT. = C FINISH= F	COMMENTS
1	Set Up Trucking Signs	F	Upon completion of safety meeting, "Trucks Entering" signs will be placed on both sides of Nash Blvd in preparations for load out activities.
2	Excavation of 2" Grid Cells at Nash Blvd	C	Load out activities commenced at 0750, the first round of T.J. Clement trucks arrived to the site. The stockpiled soil from the 2" cut was loaded out, as well as initial live loading of the 6" and 12" cuts. In all, 16 trucks were sent to Rodman Landfill. Once the last trucks left the site, work was conducted to cut the 6" and 12" cuts around the footings. The soil was stockpiled in preparations of tomorrow's load out activities. At around 1430, Mr. Duane Quates arrived to the Nash Blvd site. While excavation was taking place, Mr. Quates looked at the already excavated soil, as well as the areas that had already been cut. No items of concern were found.
3	Site Clean Up	F	On conclusion of the daily excavation activities, the site was cleaned up and fenced off.
4	Inspection of Area 1700 Excavation	F	A follow-up phase inspection was performed at the site to ensure the excavation was safe, and to OSHA Standards.
<b>CHANGES FROM PLANS, SPECIFICATIONS, OTHER SPECIAL ORDERS, AND IMPORTANT DECISIONS</b>			

**MAN-HOUR and EQUIPMENT REPORT**

EQUIPMENT					PERSONNEL HOURS		
Description	No.	Operating Hours	Standby Hours	Repair Hours	Person/Company	Job Description	Hours
Excavator	1	8	NA	NA	Landon McKenney - Plexus	QCSM	10
					Paul Lawless - PARS	SSHO	10
					Aaron Myers - Bluestone	Staff Scientist	10
Total man-hours (This Date)							21
Total cumulative man-hours (Previous Report)							153.5
Total cumulative man-hours (To Date)							174.5



**REMARKS**

Remarks: None

**CERTIFICATION**

The report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

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Contractor's Approved Authorized Representative

<b>GOVERNMENT QUALITY ASSURANCE REPORT</b>	<b>DATE:</b>
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT:	
_____ Government Quality Assurance Representative	Date: _____



**DAILY CONSTRUCTION QUALITY CONTROL REPORT**

<b>PROJECT</b>	Nash Boulevard Water Tower Lead Contaminated Soil Removal, Area 1700 Contaminated Soil Removal, Fort Drum, New York
<b>CONTRACT NUMBER</b>	W912DR-12-D-0009
<b>DATE</b>	08/13/2013
<b>REPORT NUMBER</b>	008
<b>WEATHER</b>	72°F   Rain   Precip: 1.04"
<b>DEFINABLE FEATURE(S) OF WORK</b>	Excavation Nash Blvd

**MEETINGS AND INSPECTIONS**

<b>SAFETY MEETING</b>	Safety Meeting was held at 0700 by the SSO Paul Lawless. Topics covered included slip, trip, fall, truck and excavator safety, COCs, excavation safety, requirements of the APP/SSHP, PPE, monitoring requirements, and emergency procedure: evacuation, contacts, hospital route, and accident reporting. The day's plan of activities was also discussed, which included an open discussion of any additional hazards or concerns; focus was given to trucking safety.
<b>THREE PHASE CONTROL SYSTEM</b>	
<b>PREPARATORY</b>	NA - Completed prior to site mobilization
<b>INITIAL</b>	NA – Continuation of work activities at Nash Blvd
<b>FOLLOW UP</b>	Prior to site work, personnel, materials, and equipment requirements were checked, confirmed, and are ongoing. All job sites have been inspected and are ready for site work. A follow-up phase inspection was performed at the site to ensure the excavation was safe and to OSHA Standards. The site was fenced off, and any remaining supplies were removed from the job site. A Follow up inspection was conducted at Area 1700 to ensure the excavation was safe and to OSHA Standards.
<b>FINAL</b>	NA – Job not complete

**VISITORS**

<b>NAME</b>	<b>EMPLOYER</b>	<b>ENTRY</b>	<b>EXIT</b>	<b>REASON FOR VISIT</b>
Ali Sadrieh	Plexus	0930	1230	Site inspection and Health and Safety audit.

**ACTIVITIES AND EVENTS**

ACTIVITY ACTIVITY NUMBER		STATUS START = S CONT. = C FINISH = F	COMMENTS
1	Set Up Trucking Signs	F	Upon completion of the safety meeting, "Trucks Entering" signs were placed on both sides of Nash Blvd in preparation for load out activities.
2	Excavation at Nash Blvd	C	Load out activities commenced at 0750 when the first round of T.J. Clement trucks arrived to the site. A combination of loading out stockpiled soil and live loading occurred. After the initial trucks were sent to Rodman Landfill, loading operations were cancelled for the day due to excessive rainfall. Daily tonnage delivered to Rodham was 89.24 tons, putting cumulative tonnage at 369.46 tons. Once the last trucks left the site, work was conducted to cut the 6" and 12" cuts around the footings. Additional soil was stockpiled in preparation of tomorrow's load out activities.
3	Site Clean Up	F	On conclusion of the daily excavation activities, the site was cleaned up and fenced off.
4	Inspection of Area 1700 Excavation	F	A follow-up phase inspection was performed at the site to ensure the excavation was safe, and to OSHA Standards.
<b>CHANGES FROM PLANS, SPECIFICATIONS, OTHER SPECIAL ORDERS, AND IMPORTANT DECISIONS</b>			

**MAN-HOUR and EQUIPMENT REPORT**

EQUIPMENT					PERSONNEL HOURS		
Description	No.	Operating Hours	Standby Hours	Repair Hours	Person/Company	Job Description	Hours
Excavator	1	7	NA	NA	Landon McKenney - Plexus	QCSM	9
					Paul Lawless - PARS	SSHO	9
					Aaron Myers - Bluestone	Staff Scientist	9
					Ali Sadrieh	Program Manager	2.5
Total man-hours (This Date)							29.5
Total cumulative man-hours (Previous Report)							175.5
Total cumulative man-hours (To Date)							205



**REMARKS**

Remarks: None

**CERTIFICATION**

The report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

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Contractor's Approved Authorized Representative

<b>GOVERNMENT QUALITY ASSURANCE REPORT</b>	<b>DATE:</b>
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT:	
_____ Government Quality Assurance Representative	Date: _____



**DAILY CONSTRUCTION QUALITY CONTROL REPORT**

<b>PROJECT</b>	Nash Boulevard Water Tower Lead Contaminated Soil Removal, Area 1700 Contaminated Soil Removal, Fort Drum, New York
<b>CONTRACT NUMBER</b>	W912DR-12-D-0009
<b>DATE</b>	08/14/2013
<b>REPORT NUMBER</b>	009
<b>WEATHER</b>	72°F   Overcast/Rain   Precip: 0.11"
<b>DEFINABLE FEATURE(S) OF WORK</b>	Excavation Nash Blvd Confirmation Sampling (XRF) Nash Blvd

**MEETINGS AND INSPECTIONS**

<b>SAFETY MEETING</b>	Safety Meeting was held at 0700 by the SSHO Paul Lawless. Topics covered included slip, trip, fall, truck and excavator safety, COCs, excavation safety, requirements of the APP/SSHP, PPE, monitoring requirements, and emergency procedure: evacuation, contacts, hospital route, and accident reporting. The day's plan of activities was also discussed, which included an open discussion of any additional hazards or concerns; focus was given to trucking safety.
<b>THREE PHASE CONTROL SYSTEM</b>	
<b>PREPARATORY</b>	NA - Completed prior to site mobilization
<b>INITIAL</b>	NA – Continuation of work activities at Nash Blvd
<b>FOLLOW UP</b>	Prior to site work, personnel, materials, and equipment requirements were checked, confirmed, and are ongoing. All job sites have been inspected and are ready for site work. A follow-up phase inspection was performed at the site to ensure the excavation was safe and to OSHA Standards. The site was fenced off, and any remaining supplies were removed from the job site. A Follow up inspection was conducted at Area 1700 to ensure the excavation was safe and to OSHA Standards.
<b>FINAL</b>	NA – Job not complete

**VISITORS**

<b>NAME</b>	<b>EMPLOYER</b>	<b>ENTRY</b>	<b>EXIT</b>	<b>REASON FOR VISIT</b>



**ACTIVITIES AND EVENTS**

ACTIVITY ACTIVITY NUMBER		STATUS START = S CONT. = C FINISH = F	COMMENTS
1	Set Up Trucking Signs	F	Upon completion of the safety meeting, "Trucks Entering" signs were placed on both sides of Nash Blvd in preparation for load out activities.
2	Excavation at Nash Blvd	C	Load out activities commenced at 0750 when the first round of T.J. Clement trucks arrived to the site. A combination of loading out stockpiled soil and live loading occurred. Daily tonnage delivered to Rodham was 257.99 tons, cumulative tonnage 627.45 tons. Once the last trucks left the site, work was conducted to over excavate areas that exceeded the XRF confirmation sampling. Additional soil was stockpiled in preparation of tomorrow's load out activities.
3	Confirmation Sampling (XRF)	C	XRF confirmation sampling activities were conducted by USACE to locate areas for potential over excavation.
4	Site Clean Up	F	On conclusion of the daily excavation activities, the site was cleaned up and fenced off.
5	Inspection of Area 1700 Excavation	F	A follow-up phase inspection was performed at the site to ensure the excavation was safe, and to OSHA Standards.
<b>CHANGES FROM PLANS, SPECIFICATIONS, OTHER SPECIAL ORDERS, AND IMPORTANT DECISIONS</b>			

**MAN-HOUR and EQUIPMENT REPORT**

EQUIPMENT					PERSONNEL HOURS		
Description	No.	Operating Hours	Standby Hours	Repair Hours	Person/Company	Job Description	Hours
Excavator	1	8	NA	NA	Landon McKenney - Plexus	QCSCM	10
					Paul Lawless - PARS	SSHO	10
					Aaron Myers - Bluestone	Staff Scientist	10
Total man-hours (This Date)							30
Total cumulative man-hours (Previous Report)							205
Total cumulative man-hours (To Date)							235



**REMARKS**

Remarks: None

**CERTIFICATION**

The report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

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Contractor's Approved Authorized Representative

<b>GOVERNMENT QUALITY ASSURANCE REPORT</b>	<b>DATE:</b>
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT:	
_____ Government Quality Assurance Representative	Date: _____



**DAILY CONSTRUCTION QUALITY CONTROL REPORT**

<b>PROJECT</b>	Nash Boulevard Water Tower Lead Contaminated Soil Removal, Area 1700 Contaminated Soil Removal, Fort Drum, New York
<b>CONTRACT NUMBER</b>	W912DR-12-D-0009
<b>DATE</b>	08/15/2013
<b>REPORT NUMBER</b>	010
<b>WEATHER</b>	75°F   Overcast   Precip: 0"
<b>DEFINABLE FEATURE(S) OF WORK</b>	Excavation Nash Blvd Confirmation Sampling (XRF) Nash Blvd

**MEETINGS AND INSPECTIONS**

<b>SAFETY MEETING</b>	Safety Meeting was held at 0700 by the SSHO Paul Lawless. Topics covered included slip, trip, fall, truck and excavator safety, COCs, excavation safety, requirements of the APP/SSHP, PPE, monitoring requirements, and emergency procedure: evacuation, contacts, hospital route, and accident reporting. The day's plan of activities was also discussed, which included an open discussion of any additional hazards or concerns; focus was given to trucking safety.
<b>THREE PHASE CONTROL SYSTEM</b>	
<b>PREPARATORY</b>	NA - Completed prior to site mobilization
<b>INITIAL</b>	NA – Continuation of work activities at Nash Blvd
<b>FOLLOW UP</b>	Prior to site work, personnel, materials, and equipment requirements were checked, confirmed, and are ongoing. All job sites have been inspected and are ready for site work. A follow-up phase inspection was performed at the site to ensure the excavation was safe and to OSHA Standards. The site was fenced off, and any remaining supplies were removed from the job site. A Follow up inspection was conducted at Area 1700 to ensure the excavation was safe and to OSHA Standards.
<b>FINAL</b>	NA – Job not complete

**VISITORS**

<b>NAME</b>	<b>EMPLOYER</b>	<b>ENTRY</b>	<b>EXIT</b>	<b>REASON FOR VISIT</b>

**ACTIVITIES AND EVENTS**

ACTIVITY ACTIVITY NUMBER		STATUS START = S CONT. = C FINISH= F	COMMENTS
1	Set Up Trucking Signs	F	Upon completion of the safety meeting, "Trucks Entering" signs were placed on both sides of Nash Blvd in preparation for load out activities.
2	Excavation at Nash Blvd	C	Excavation activities commenced at 0750 at areas that needed additional soil to be removed based on XRF screening. Daily tonnage delivered to Rodham was 0 tons, cumulative tonnage 627.45 tons. Soil was stockpiled in preparation of tomorrow's load out activities.
3	Confirmation Sampling (XRF)	F	XRF confirmation sampling activities were conducted by USACE to locate areas for potential over excavation. All XRF results were below threshold, confirmation samples were collect and shipped to the lab.
4	Site Clean Up	F	On conclusion of the daily excavation activities, the site was cleaned up and fenced off.
5	Inspection of Area 1700 Excavation	F	A follow-up phase inspection was performed at the site to ensure the excavation was safe, and to OSHA Standards.
<b>CHANGES FROM PLANS, SPECIFICATIONS, OTHER SPECIAL ORDERS, AND IMPORTANT DECISIONS</b>			

**MAN-HOUR and EQUIPMENT REPORT**

EQUIPMENT					PERSONNEL HOURS		
Description	No.	Operating Hours	Standby Hours	Repair Hours	Person/Company	Job Description	Hours
Excavator	1	8	NA	NA	Landon McKenney - Plexus	QCSM	9
					Paul Lawless - PARS	SSHO	9
					Joshua Coe	Project Geologist	9
Total man-hours (This Date)							27
Total cumulative man-hours (Previous Report)							235
Total cumulative man-hours (To Date)							262



**REMARKS**

Remarks: None

**CERTIFICATION**

The report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

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Contractor's Approved Authorized Representative

<b>GOVERNMENT QUALITY ASSURANCE REPORT</b>	<b>DATE:</b>
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT:	
_____ Government Quality Assurance Representative	Date: _____



**DAILY CONSTRUCTION QUALITY CONTROL REPORT**

<b>PROJECT</b>	Nash Boulevard Water Tower Lead Contaminated Soil Removal, Area 1700 Contaminated Soil Removal, Fort Drum, New York
<b>CONTRACT NUMBER</b>	W912DR-12-D-0009
<b>DATE</b>	08/16/2013
<b>REPORT NUMBER</b>	011
<b>WEATHER</b>	75°F   Overcast   Precip: 0"
<b>DEFINABLE FEATURE(S) OF WORK</b>	Excavation Nash Blvd

**MEETINGS AND INSPECTIONS**

<b>SAFETY MEETING</b>	Safety Meeting was held at 0700 by the SSO Paul Lawless. Topics covered included slip, trip, fall, truck and excavator safety, COCs, excavation safety, requirements of the APP/SSHP, PPE, monitoring requirements, and emergency procedure: evacuation, contacts, hospital route, and accident reporting. The day's plan of activities was also discussed, which included an open discussion of any additional hazards or concerns; focus was given to trucking safety.
<b>THREE PHASE CONTROL SYSTEM</b>	
<b>PREPARATORY</b>	NA - Completed prior to site mobilization
<b>INITIAL</b>	NA – Continuation of work activities at Nash Blvd
<b>FOLLOW UP</b>	Prior to site work, personnel, materials, and equipment requirements were checked, confirmed, and are ongoing. All job sites have been inspected and are ready for site work. A follow-up phase inspection was performed at the site to ensure the excavation was safe and to OSHA Standards. The site was fenced off, and any remaining supplies were removed from the job site. A Follow up inspection was conducted at Area 1700 to ensure the excavation was safe and to OSHA Standards.
<b>FINAL</b>	NA – Job not complete

**VISITORS**

<b>NAME</b>	<b>EMPLOYER</b>	<b>ENTRY</b>	<b>EXIT</b>	<b>REASON FOR VISIT</b>

**ACTIVITIES AND EVENTS**

ACTIVITY ACTIVITY NUMBER		STATUS START = S CONT. = C FINISH= F	COMMENTS
1	Set Up Trucking Signs	F	Upon completion of the safety meeting, "Trucks Entering" signs were placed on both sides of Nash Blvd in preparation for load out activities.
2	Excavation at Nash Blvd	C	Load out activities commenced at 0750 at stockpiles. Daily tonnage delivered to Rodham was 286.57 tons, cumulative tonnage 914.02 tons. Only remaining material is the CRZ that will be removed once confirmation samples are complete.
4	Site Clean Up	F	On conclusion of the daily excavation activities, the site was cleaned up and fenced off.
5	Inspection of Area 1700 Excavation	F	A follow-up phase inspection was performed at the site to ensure the excavation was safe, and to OSHA Standards.
6	Demobilize	F	Based on the confirmation samples at Area 1700 and Nash, the field team shall return to the site for the next phase of operation on 8/26/13
<b>CHANGES FROM PLANS, SPECIFICATIONS, OTHER SPECIAL ORDERS, AND IMPORTANT DECISIONS</b>			

**MAN-HOUR and EQUIPMENT REPORT**

EQUIPMENT					PERSONNEL HOURS		
Description	No.	Operating Hours	Standby Hours	Repair Hours	Person/Company	Job Description	Hours
Excavator	1	5	NA	NA	Landon McKenney - Plexus	QCSCM	9
					Paul Lawless - PARS	SSHO	9
					Joshua Coe	Project Geologist	9
Total man-hours (This Date)							27
Total cumulative man-hours (Previous Report)							262
Total cumulative man-hours (To Date)							289



**REMARKS**

Remarks: None

**CERTIFICATION**

The report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

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Contractor's Approved Authorized Representative

<b>GOVERNMENT QUALITY ASSURANCE REPORT</b>	<b>DATE:</b>
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT:	
_____ Government Quality Assurance Representative	Date: _____





**DAILY CONSTRUCTION QUALITY CONTROL REPORT**

<b>PROJECT</b>	Nash Boulevard Water Tower Lead Contaminated Soil Removal, Area 1700 Contaminated Soil Removal, Fort Drum, New York
<b>CONTRACT NUMBER</b>	W912DR-12-D-0009
<b>DATE</b>	08/27/2013
<b>REPORT NUMBER</b>	012
<b>WEATHER</b>	78°F   Overcast   Precip: 0"
<b>DEFINABLE FEATURE(S) OF WORK</b>	Site Restoration - Nash Blvd

**MEETINGS AND INSPECTIONS**

<b>SAFETY MEETING</b>	Safety Meeting was held at 0700 by the SSO Paul Lawless. Topics covered included slip, trip, fall, truck and excavator safety, COCs, excavation safety, requirements of the APP/SSHP, PPE, monitoring requirements, and emergency procedure: evacuation, contacts, hospital route, and accident reporting. The day's plan of activities was also discussed, which included an open discussion of any additional hazards or concerns.
<b>THREE PHASE CONTROL SYSTEM</b>	
<b>PREPARATORY</b>	NA - Completed prior to site mobilization
<b>INITIAL</b>	NA – Continuation of work activities at Nash Blvd
<b>FOLLOW UP</b>	Prior to site work, personnel, materials, and equipment requirements were checked, confirmed, and are ongoing. All job sites have been inspected and are ready for site work. A follow-up phase inspection was performed at the site to ensure the excavation was safe and to OSHA Standards. The site was fenced off, and any remaining supplies were removed from the job site. A Follow up inspection was conducted at Area 1700 to ensure the excavation was safe and to OSHA Standards.
<b>FINAL</b>	NA – Job not complete

**VISITORS**

<b>NAME</b>	<b>EMPLOYER</b>	<b>ENTRY</b>	<b>EXIT</b>	<b>REASON FOR VISIT</b>

**ACTIVITIES AND EVENTS**

ACTIVITY ACTIVITY NUMBER		STATUS START = S CONT. = C FINISH= F	COMMENTS
1	Site Restoration at Nash Blvd	C	Upon completion of the safety meeting, all concrete footings holding the posts for the fence that was previously located at the site were removed. Two piles were made. In addition, the rip rap used in support of the CRZ was scraped sand piled for future use. A D3 dozer was brought to the site to help with site restoration and grading. Soil was pushed towards the concrete footings. Once soil was graded and accumulated, the excavator was used to grade the soil around the footings.
2	Site Clean Up	F	On conclusion of the daily excavation activities, the site was cleaned up.
3	Inspection of Area 1700 Excavation	F	A follow-up phase inspection was performed at the site to ensure the excavation was safe, and to OSHA Standards.
<b>CHANGES FROM PLANS, SPECIFICATIONS, OTHER SPECIAL ORDERS, AND IMPORTANT DECISIONS</b>			

**MAN-HOUR and EQUIPMENT REPORT**

EQUIPMENT					PERSONNEL HOURS		
Description	No.	Operating Hours	Standby Hours	Repair Hours	Person/Company	Job Description	Hours
Excavator	1	2	NA	NA	Landon McKenney - Plexus	QCSM	9
Dozer	1	4			Paul Lawless - PARS	SSHO	9
Total man-hours (This Date)							18
Total cumulative man-hours (Previous Report)							289
Total cumulative man-hours (To Date)							307



**REMARKS**

Remarks: None

**CERTIFICATION**

The report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

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Contractor's Approved Authorized Representative

<b>GOVERNMENT QUALITY ASSURANCE REPORT</b>	<b>DATE:</b>
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT:	
_____ Government Quality Assurance Representative	Date: _____



**DAILY CONSTRUCTION QUALITY CONTROL REPORT**

<b>PROJECT</b>	Nash Boulevard Water Tower Lead Contaminated Soil Removal, Area 1700 Contaminated Soil Removal, Fort Drum, New York
<b>CONTRACT NUMBER</b>	W912DR-12-D-0009
<b>DATE</b>	08/29/2013
<b>REPORT NUMBER</b>	014
<b>WEATHER</b>	78°F   Clear Skies   Precip: 0"
<b>DEFINABLE FEATURE(S) OF WORK</b>	Site Restoration - Nash Blvd Site Restoration - Area 1700

**MEETINGS AND INSPECTIONS**

<b>SAFETY MEETING</b>	Safety Meeting was held at 0700 by the SSO Paul Lawless. Topics covered included slip, trip, fall, truck and excavator safety, COCs, excavation safety, requirements of the APP/SSHP, PPE, monitoring requirements, and emergency procedure: evacuation, contacts, hospital route, and accident reporting. The day's plan of activities was also discussed, which included an open discussion of any additional hazards or concerns.
<b>THREE PHASE CONTROL SYSTEM</b>	
<b>PREPARATORY</b>	NA - Completed prior to site mobilization
<b>INITIAL</b>	NA – Continuation of work activities at Nash Blvd
<b>FOLLOW UP</b>	Prior to site work, personnel, materials, and equipment requirements were checked, confirmed, and are ongoing. All job sites have been inspected and are ready for site work. A follow-up phase inspection was performed at the site to ensure the excavation was safe and to OSHA Standards. The site was fenced off, and any remaining supplies were removed from the job site. A Follow up inspection was conducted at Area 1700 to ensure the excavation was safe and to OSHA Standards.
<b>FINAL</b>	Final Inspection was conducted at Nash Blvd on completion of site restoration.

**VISITORS**

<b>NAME</b>	<b>EMPLOYER</b>	<b>ENTRY</b>	<b>EXIT</b>	<b>REASON FOR VISIT</b>
Paul Zang	Fort Drum	15:15	16:00	Site Inspection
Steve Wood	USACE	15:15	16:00	Site Inspection
Paul Zang	USACE	15:15	16:00	Site Inspection



**ACTIVITIES AND EVENTS**

ACTIVITY ACTIVITY NUMBER		STATUS START = S CONT. = C FINISH= F	COMMENTS
1	Site Restoration at Area 1700	C	<p>Upon completion of the safety meeting, T.J. Clement arrived to the site around 0800 to deliver clean sand to the site. In total, 5 loads of material were delivered to the job site. The material was again placed in 8-12" lifts, tamped and tracked for compaction.</p> <p>Alpine Fence contacted Landon McKenney to notify him that they were unable to complete the fence repair, and would need to reschedule for Friday morning. While taking a break, a conversation took place between Mr. McKenney and an employee of the ECS-1 motorpool. We were notified that the area would be locked and work would not be able to take place on Friday. A call was made to Mr. Paul Zang. Mr. Zang, Mr. Steve Wood and Mr. Wayne Davis arrived to the 1700 site around 15:15pm. They walked to site to inspect the excavation compaction. A conversation took place to see if there were any options to allow us to work on Friday, which there was not. The site closed up and the equipment was staged.</p>
2	Site Restoration at Nash Blvd	F	Landpro arrived to the Nash Blvd site at around 1200 to perform hydroseeding. Work was completed at roughly 4:00pm.
3	Site Clean Up	F	On conclusion of the daily activities, the sites were cleaned up.
4	Additional Waste Samples From Area 1700	F	Additional waste characterization samples were collected from the stage waste at Area 1700 in accordance with the Rodham Landfill requirements.
<b>CHANGES FROM PLANS, SPECIFICATIONS, OTHER SPECIAL ORDERS, AND IMPORTANT DECISIONS</b>			
1	Unable to complete site activities at Area 1700 due to ECS-1 motorpool holiday early closure.		

**MAN-HOUR and EQUIPMENT REPORT**

EQUIPMENT					PERSONNEL HOURS		
Description	No.	Operating Hours	Standby Hours	Repair Hours	Person/Company	Job Description	Hours
Excavator	1	5	NA	NA	Landon McKenney - Plexus	QCSM	9
Dozer	1	1			Paul Lawless - PARS	SSHO	9
Total man-hours (This Date)							18
Total cumulative man-hours (Previous Report)							325
Total cumulative man-hours (To Date)							343



**REMARKS**

Remarks: None

**CERTIFICATION**

The report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

\_\_\_\_\_  
Contractor's Approved Authorized Representative

<b>GOVERNMENT QUALITY ASSURANCE REPORT</b>	<b>DATE:</b>
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT:	
_____ Government Quality Assurance Representative	Date: _____



**DAILY CONSTRUCTION QUALITY CONTROL REPORT**

<b>PROJECT</b>	Nash Boulevard Water Tower Lead Contaminated Soil Removal, Area 1700 Contaminated Soil Removal, Fort Drum, New York
<b>CONTRACT NUMBER</b>	W912DR-12-D-0009
<b>DATE</b>	09/23/2013
<b>REPORT NUMBER</b>	015
<b>WEATHER</b>	54°F   Clear Skies   Precip: 0"
<b>DEFINABLE FEATURE(S) OF WORK</b>	Waste Removal – Area 1700 Site Restoration – Nash Blvd

**ACTIVITIES AND EVENTS**

<b>ACTIVITY ACTIVITY NUMBER</b>	<b>STATUS</b> START = S CONT. = C FINISH= F	<b>COMMENTS</b>
1   Waste Removal Area 1700	C	Roll-offs were removed from Area 1700
2   Site Restoration at Nash Blvd	F	Remove some stone from the CRZ area at Nash Blvd
<b>CHANGES FROM PLANS, SPECIFICATIONS, OTHER SPECIAL ORDERS, AND IMPORTANT DECISIONS</b>		
1		

**MAN-HOUR and EQUIPMENT REPORT**

<b>EQUIPMENT</b>					<b>PERSONNEL HOURS</b>		
Description	No.	Operating Hours	Standby Hours	Repair Hours	Person/Company	Job Description	Hours
					Josh Coe - Plexus	QCSM	2
Total man-hours (This Date)							3
Total cumulative man-hours (Previous Report)							343
Total cumulative man-hours (To Date)							345



**REMARKS**

Remarks: None

**CERTIFICATION**

The report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

\_\_\_\_\_  
Contractor's Approved Authorized Representative

<b>GOVERNMENT QUALITY ASSURANCE REPORT</b>	<b>DATE:</b>
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT:	
_____ Government Quality Assurance Representative	Date: _____



## **APPENDIX E**

Confirmation Soil Sampling Laboratory Results Report

# **DATA FOR METALS**

**PROJECT NAME : FT. DRUM AREA 1700**

**US ARMY CORP OF ENGINEERS  
10 S. Howard Street**

**Baltimore, MD - 21201  
Phone No: 410-962-4958**

**ORDER ID : E3354  
ATTENTION : Alan Warminski**

Date : 08/19/2013

Dear Alan Warminski,

**10** soil samples for the **Ft. Drum Area 1700** project were received on **08/16/2013**. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

Reginald St-Juste

908-728-3147

[Reginald@chemtech.net](mailto:Reginald@chemtech.net)



CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 030203

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: USACE
ADDRESS: 10 SOUTH HOWARD ST
CITY: BALTIMORE STATE: MD ZIP: 21201
ATTENTION: ALAN WARMINSKI / SCOTT CHANG
PHONE: 410-962-2377 FAX: (SCOTT)

CLIENT PROJECT INFORMATION

PROJECT NAME: WT/1700 AREAS FT DRUM
PROJECT NO.: LOCATION:
PROJECT MANAGER: WAYNE DAVIS
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: USACE - ALAN WARMINSKI PO#:
ADDRESS: 10 SOUTH HOWARD ST
CITY: BALTIMORE STATE: MD ZIP: 21201
ATTENTION: PHONE: 410-962-7677

ANALYSIS

DATA TURNAROUND INFORMATION

FAX: 24 HOUR TURNAROUND
HARD COPY: 24 HOUR TURNAROUND
EDD: 24 HOUR TURNAROUND
PRE-APPROVED TAT: YES NO
\* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

LEVEL 1: Results only
LEVEL 2: Results + QC
LEVEL 3: Results (plus results raw data) + QC
LEVEL 4: Results + QC (all raw data)
EDD Format:

Diagonal hatched area with 'LEAD' written across it.

Table with columns: CHEMTECH SAMPLE ID, PROJECT SAMPLE IDENTIFICATION, SAMPLE MATRIX, SAMPLE TYPE, SAMPLE COLLECTION (DATE, TIME), # OF BOTTLES, PRESERVATIVES (1-9), COMMENTS. Includes handwritten entries for samples 1-10.

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

Handwritten custody record with columns: RELINQUISHED BY, DATE/TIME, RECEIVED BY, RECEIVED FOR LAB BY, Conditions of bottles or coolers at receipt, Cooler Temp, Ice in Cooler?, SHIPPED VIA, OVERNIGHT, Shipment Complete.

**Report of Analysis**

Client:	US Army Corp of Engineers	Date Collected:	08/14/13
Project:	Ft. Drum Area 1700	Date Received:	08/16/13
Client Sample ID:	WT1-081413	SDG No.:	E3354
Lab Sample ID:	E3354-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-92-1	Lead	136		1	0.06	0.15	0.3	mg/Kg	08/16/13	08/19/13	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group3			

U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
\* = indicates the duplicate analysis is not within control limits.  
E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits

**Report of Analysis**

Client:	US Army Corp of Engineers	Date Collected:	08/14/13
Project:	Ft. Drum Area 1700	Date Received:	08/16/13
Client Sample ID:	WT2-081413	SDG No.:	E3354
Lab Sample ID:	E3354-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-92-1	Lead	141		1	0.06	0.15	0.3	mg/Kg	08/16/13	08/16/13	SW6010

---

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group3				

---

U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
\* = indicates the duplicate analysis is not within control limits.  
E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits

**Report of Analysis**

Client:	US Army Corp of Engineers	Date Collected:	08/14/13
Project:	Ft. Drum Area 1700	Date Received:	08/16/13
Client Sample ID:	WT3-081413	SDG No.:	E3354
Lab Sample ID:	E3354-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	90

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-92-1	Lead	264		1	0.06	0.145	0.29	mg/Kg	08/16/13	08/16/13	SW6010

---

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group3			

---

U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
\* = indicates the duplicate analysis is not within control limits.  
E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits

**Report of Analysis**

Client:	US Army Corp of Engineers	Date Collected:	08/14/13
Project:	Ft. Drum Area 1700	Date Received:	08/16/13
Client Sample ID:	WT4-081413	SDG No.:	E3354
Lab Sample ID:	E3354-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-92-1	Lead	313		1	0.06	0.145	0.29	mg/Kg	08/16/13	08/16/13	SW6010

---

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group3			

---

U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
\* = indicates the duplicate analysis is not within control limits.  
E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits



**Report of Analysis**

Client:	US Army Corp of Engineers	Date Collected:	08/14/13
Project:	Ft. Drum Area 1700	Date Received:	08/16/13
Client Sample ID:	WT7-081413	SDG No.:	E3354
Lab Sample ID:	E3354-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-92-1	Lead	218		1	0.06	0.145	0.29	mg/Kg	08/16/13	08/16/13	SW6010

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Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group3				

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U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
\* = indicates the duplicate analysis is not within control limits.  
E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits

**Report of Analysis**

Client:	US Army Corp of Engineers	Date Collected:	08/14/13
Project:	Ft. Drum Area 1700	Date Received:	08/16/13
Client Sample ID:	WT8-081413	SDG No.:	E3354
Lab Sample ID:	E3354-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-92-1	Lead	154		1	0.06	0.145	0.29	mg/Kg	08/16/13	08/16/13	SW6010

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Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group3				

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U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
\* = indicates the duplicate analysis is not within control limits.  
E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits

**Report of Analysis**

Client:	US Army Corp of Engineers	Date Collected:	08/15/13
Project:	Ft. Drum Area 1700	Date Received:	08/16/13
Client Sample ID:	WT5-081513	SDG No.:	E3354
Lab Sample ID:	E3354-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	95.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-92-1	Lead	179		1	0.05	0.13	0.26	mg/Kg	08/16/13	08/16/13	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group3			

U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
\* = indicates the duplicate analysis is not within control limits.  
E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits

**Report of Analysis**

Client:	US Army Corp of Engineers	Date Collected:	08/15/13
Project:	Ft. Drum Area 1700	Date Received:	08/16/13
Client Sample ID:	WT6-081513	SDG No.:	E3354
Lab Sample ID:	E3354-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-92-1	Lead	275		1	0.06	0.14	0.28	mg/Kg	08/16/13	08/16/13	SW6010

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Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group3				

---

U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
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E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits

**Report of Analysis**

Client:	US Army Corp of Engineers	Date Collected:	08/15/13
Project:	Ft. Drum Area 1700	Date Received:	08/16/13
Client Sample ID:	WT9-081513	SDG No.:	E3354
Lab Sample ID:	E3354-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	94.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-92-1	Lead	106		1	0.05	0.13	0.26	mg/Kg	08/16/13	08/16/13	SW6010

---

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group3			

---

U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
\* = indicates the duplicate analysis is not within control limits.  
E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits

**Report of Analysis**

Client:	US Army Corp of Engineers	Date Collected:	08/15/13
Project:	Ft. Drum Area 1700	Date Received:	08/16/13
Client Sample ID:	WT10-081513	SDG No.:	E3354
Lab Sample ID:	E3354-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-92-1	Lead	158		1	0.06	0.14	0.28	mg/Kg	08/16/13	08/16/13	SW6010

---

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group3				

---

U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
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J = Estimated Value  
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E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits