

November 10, 2010

Ms. Kimberly Staiger, On-Scene Coordinator  
U.S. Environmental Protection Agency  
Removal Action Branch  
2890 Woodbridge Avenue  
Edison, NJ 08837

**EPA CONTRACT NO: EP-W-06-072**

**TDD NO: TO-0018**

**DOCUMENT CONTROL NO: RST 2-02-F-1514**

**SUBJECT: FINAL SAMPLING TRIP REPORT –JEWETT WHITE LEAD COMPANY  
SITE**

Dear Ms. Staiger:

Enclosed please find the final Sampling Trip Report for the soil/sediment/surface water/groundwater sampling conducted between October 4 and 28, 2010, at the Jewett White Lead Company Site located in Staten Island, Richmond County, New York.

If you have any questions, please do not hesitate to contact me at (603) 656-5461.

Sincerely,

A handwritten signature in blue ink, appearing to read 'J. Schmidl', with a stylized flourish at the end.

Joseph Schmidl, PG, CWS  
Technical Manager  
Weston Solutions, Inc.

Enclosure

cc: TDD File: TO-0018

## FINAL SAMPLING TRIP REPORT

**SITE NAME:** Jewett White Lead Company Site

**DCN No.:** RST 2-02-F-1514

**TDD No.:** TO-0018

**SAMPLING DATES:** October 4 to 28, 2010

**EPA SITE I.D. NO.:** RS

- 1. Site Location:** Jewett White Lead Company Site  
2000-2015 Richmond Terrace,  
Staten Island, Richmond County, New York  
Refer to Attachment A, Figure 1, Sample and Well Location Map
- 2. Sample Locations:** Refer to Attachment A - Figure 1, Sample and Well Location Map
- 3. Sample Descriptions:**

Between October 4 and 8, 2010, WESTON collected soil samples from the portion of the Site located at 2000-2012 Richmond Terrace. 165 of the soil samples were collected from 25 test pits excavated with an excavator. Test pit soil samples were collected from 1-ft depth intervals from the surface to up to 8 ft below ground surface (bgs). In addition, 23 soil samples were collected from three soil borings advanced with hollow-stem augers, from 1-ft depth intervals from the surface to the water table. The soil borings were completed as overburden monitoring wells with screened intervals intended to intercept the water table. Each soil sample was field screened for lead using an Innov-X Alpha field portable X-Ray fluorescence (FPXRF) analyzer. Of these samples, 17 soil samples (plus one duplicate sample and one equipment rinsate blank sample) collected from test pits and three soil samples collected from the soil borings (from the depth interval at the water table, plus a duplicate sample), representing a range of soil lead screening results, were submitted for laboratory analysis for Target Analyte List (TAL) Metals (Lead only), Toxicity Characteristic Leaching Procedure (TCLP) Metals (Lead only), and Synthetic Precipitation Leaching Procedure (SPLP) Metals (Lead only) under Chain-of-Custody (CoC). Refer to Attachment B, Table 1 for sample collection information, Attachment C for sample CoCs, and Attachment D for selected site photographs.

Between October 11 and 15, 2010, WESTON collected soil samples from the portion of the Site located at 2015 Richmond Terrace. 123 of the soil samples were collected from 25 soil borings advanced using direct-push technology. These soil boring soil samples were collected from 1-ft depth intervals from the surface to up to 8 ft bgs. In addition, 14 soil samples were collected from two soil borings advanced with hollow-stem augers, from 1-ft depth intervals from the surface to the water table. These two soil borings were

completed as overburden monitoring wells with screened intervals intended to intercept the water table. All but four of the soil samples were field screened for lead using an Innov-X Alpha FPXRF analyzer, the four unscreened samples could not be screened due to soil saturation. In addition, 11 soil samples (plus one duplicate sample and one equipment rinsate blank sample) collected from test pits and two soil samples collected from the soil borings (from the depth interval at the water table), representing a range of soil lead screening results, were submitted for laboratory analysis for TAL Metals, TCLP Lead, and SPLP Lead. Refer to Attachment B, Table 1 for sample collection information, Attachment C for sample CoCs, and Attachment D for selected site photographs.

Also between October 4 and 15, 2010 during both periods of subsurface investigations, particulate lead monitoring was performed at an upwind and two downwind locations, as well as personnel particulate monitoring. Subsurface investigations were initiated in Level C personal protection, until three rounds of particulate lead monitoring indicated no detectable lead, with detection limits well below the exposure limits, at which time personal protection was downgraded to modified Level D, although personnel and perimeter monitoring continued.

On October 19, 2010, using an EPA-provided boat, WESTON collected four co-located sediment and surface water samples from locations within the Kill Van Kull and at the outfalls of the municipal storm water drainage system. Surface water samples were collected at each location first, directly into sample containers; sediment samples were collected with a ponar sampler. Water quality parameters were measured at each sampling location prior to sample collection. The four sediment and surface water samples (plus duplicate sediment and surface water samples and sediment sampling equipment rinsate blank sample) were submitted for laboratory analysis for TAL Metals. Refer to Attachment B, Table 1 for sample collection information, Attachment C for sample CoCs, and Attachment D for selected site photographs.

On October 28, 2010, WESTON collected two co-located sediment and surface water samples from catch basins that are part of the municipal storm water drainage system; samples were collected through the catch basin grates. Surface water samples were collected at each location first, using a peristaltic pump; sediment samples were collected with a stainless steel spoon mounted on a pole. Water quality parameters were measured at each sampling location prior to sample collection. The two sediment and surface water samples (plus duplicate sediment and surface water samples and sediment and peristaltic pump sampling equipment rinsate blank sample) were submitted for laboratory analysis for TAL Metals. Refer to Attachment B, Table 1 for sample collection information, Attachment C for sample CoCs, and Attachment D for selected site photographs.

Also on October 28, 2010, WESTON collected groundwater samples from the four of the five overburden monitoring wells installed at the Site. One well, PO-03, was found to be dry at the time of sampling. The samples were collected using EPA's low-flow/low-stress methodology, although two wells produced excessive (>10%) drawdown, which was not fully compliant with the methodology. Water quality parameters were measured at each sampling location prior to sample collection. The four groundwater samples (plus a

duplicate sample, the same peristaltic pump sampling equipment rinsate blank sample applies to both surface water and groundwater sampling) were submitted for laboratory analysis for TAL Lead. Refer to Attachment B, Table 1 for sample collection information, Attachment C for sample CoCs, and Attachment D for selected site photographs.

#### 4. Laboratories Receiving Samples:

Sample Matrix	CLP Case Number	Analyses	Laboratory
Soil/	n/a	TAL Metals, TCLP Metals (Lead), SPLP Metals (Lead)	EPA Region 2 Laboratory DESA-HWSB-HWSS 2890 Woodbridge Ave. Edison, NJ 08837 (732) 906-6886
Sediment/ Surface Water/ Groundwater	n/a	TAL Metals	EPA Region 2 Laboratory DESA-HWSB-HWSS 2890 Woodbridge Ave. Edison, NJ 08837 (732) 906-6886
Particulates	n/a	Lead	EMSL Analytical, Inc. 3 Cooper Street Westmont, NJ 08108 (856) 858-3899

#### 5. Sample Dispatch Data:

On October 4, 2010, WESTON shipped five particulate filter samples to an WESTON procured laboratory, EMSL Analytical, Inc., Westmont, New Jersey for total Lead analyses. Samples were shipped by FedEx under Tracking No. 8739 5994 8460.

On October 5, 2010, WESTON shipped five particulate filter samples to an WESTON procured laboratory, EMSL Analytical, Inc., Westmont, New Jersey for total Lead analyses. Samples were shipped by FedEx under Tracking No. 7963 1316 9981.

On October 6, 2010, WESTON shipped five particulate filter samples to an WESTON procured laboratory, EMSL Analytical, Inc., Westmont, New Jersey for total Lead analyses. Samples were shipped by FedEx under Tracking No. 7963 1767 6835.

On October 7, 2010, WESTON shipped five particulate filter samples to an WESTON procured laboratory, EMSL Analytical, Inc., Westmont, New Jersey for total Lead analyses. Samples were shipped by FedEx under Tracking No. 7963 2229 4306.



On October 8, 2010, WESTON shipped five particulate filter samples to an WESTON procured laboratory, EMSL Analytical, Inc., Westmont, New Jersey for total Lead analyses. Samples were shipped by FedEx under Tracking No. 7963 2556 3304.

On October 12, 2010, WESTON shipped five particulate filter samples to an WESTON procured laboratory, EMSL Analytical, Inc., Westmont, New Jersey for total Lead analyses. Samples were shipped by FedEx under Tracking No. 7963 3538 2886.

On October 12, 2010, WESTON shipped 17 soil and one rinsate blank samples to EPA's Region 2 Laboratory, Edison, New Jersey for TAL Lead, TCLP Lead, and SPLP Lead analyses. Samples were shipped by FedEx under the Airbill No. 8715 6304 5796.

On October 13, 2010, WESTON shipped five particulate filter samples to an WESTON procured laboratory, EMSL Analytical, Inc., Westmont, New Jersey for total Lead analyses. Samples were shipped by FedEx under Tracking No. 7963 4014 0872.

On October 14, 2010, WESTON shipped five particulate filter samples to an WESTON procured laboratory, EMSL Analytical, Inc., Westmont, New Jersey for total Lead analyses. Samples were shipped by FedEx under Tracking No. 7940 2026 4630.

On October 19, 2010, WESTON shipped 13 soil and one rinsate blank samples to EPA's Region 2 Laboratory, Edison, New Jersey for TAL Lead, TCLP Lead, and SPLP Lead analyses. Samples were shipped by FedEx under the Airbill No. 8715 6304 5580.

On October 19, 2010, WESTON shipped six soil and two rinsate blank samples to EPA's Region 2 Laboratory, Edison, New Jersey for TAL Lead, TCLP Lead, and SPLP Lead analyses. Samples were shipped by FedEx under the Airbill No. 8715 6304 5590.

On October 21, 2010, WESTON hand-delivered 219 soil samples to EPA's Region 2 Laboratory, Edison, New Jersey for archiving.

On October 19, 2010, WESTON hand-delivered five sediment and surface water and one rinsate blank samples to EPA's Region 2 Laboratory, Edison, New Jersey for TAL Lead analyses.

On October 19, 2010, WESTON hand-delivered three sediment and surface water, five groundwater, and two rinsate blank samples to EPA's Region 2 Laboratory, Edison, New Jersey for TAL Lead analyses.

Refer to Attachment C for copies of the Chain of Custody Records.

## 6. Personnel On Site:

<u>Name</u>	<u>Representing</u>	<u>Duties On-Site</u>
Kimberly Staiger	US EPA Region 2	On-Scene Coordinator
Joseph Schmidl	WESTON	Site Project Manager, Site QA/QC, Sample Collection, Sample Management and Shipment
Scott Snyder	WESTON	Site Health & Safety, Sample Management & Shipment
Anthony Daniels	WESTON	Sample Collection, Sample Management & Shipment
Joseph Rizzo	WESTON	Field XRF Analysis, Sample Management & Shipment
Julissa Morales	WESTON	Sample Collection
Peter Lischenko	WESTON	Sample Collection, Site Survey
Joel Bernstein	SET	Manager
Ralph Rich	SET	Equipment Operator
Andrew Gillette	SET	Equipment Operator
Darwin Reid	SET	Geoprobe Operator
Peter Miller	AG	Geophysical Survey

## 7. Additional Comments:

On October 28, 2010, following sampling on the 2000-2012 Richmond Terrace portion of the Site, the test pit locations were seeded with grass seed to encourage the growth of a grass cover to reduce the potential for dust generation. In addition, following sampling on the 2015 Richmond Terrace portion of the Site, the soil boring locations situated within paved areas were repaired using clean fill and cold-patch. Refer to Attachment D for Site Photographic Documentation Log.

Review of the particulate sample analyses (included in Attachment E), which were procured with 6- to 24-hour TATs, indicate that lead was not detectable in any of the samples, and that sample detection limits were lower than the applicable OSHA standards. In addition, the dosimetry monitoring performed by the FPXRF operator confirms that no radiation exposure above background levels occurred.



8. Report prepared by: \_\_\_\_\_ Date 7 December 2010

Joseph Schmidl  
Weston Solutions, Inc.

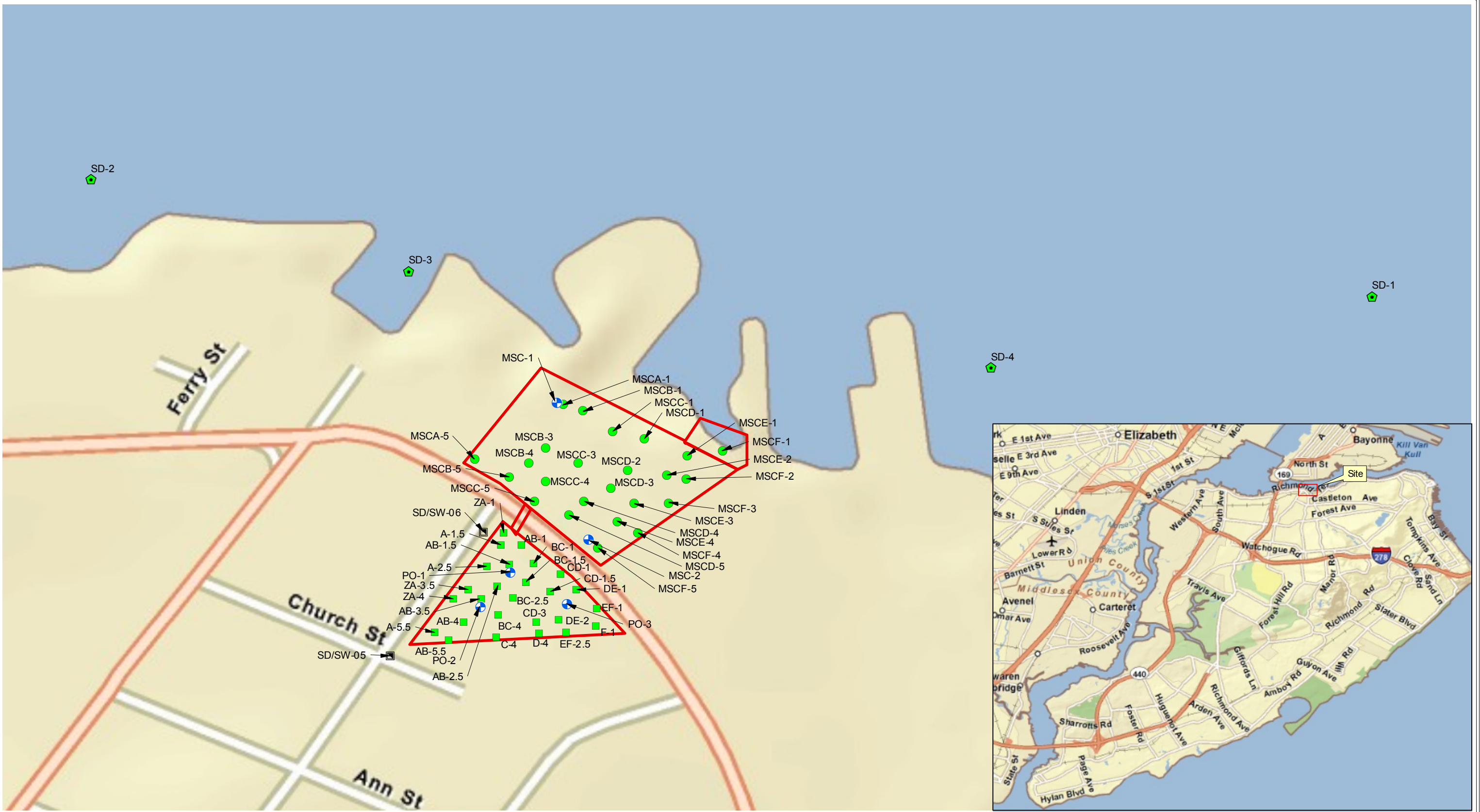
Report reviewed by: \_\_\_\_\_ Date \_\_\_\_\_

Jennifer Sy  
Readiness Coordinator, RST 2

## **ATTACHMENT A**

Figure 1: Sample and Well Installation Location Map

P:\JewettWhiteLeadGIS\MXD\08555\_JWL\_SampleLocationMap\_Post.mxd



LEGEND:

- Monitoring Well
- Soil Boring Location
- On-Shore Surface Water and Sediment Sample Location
- Off Shore Sediment Sample Location
- Soil Sample Location
- Project Area



PROJECT:

JEWETT WHITE LEAD

CLIENT NAME:

USEPA

TITLE:

SAMPLE AND  
WELL INSTALLATION LOCATION  
STATEN ISLAND, NEW YORK

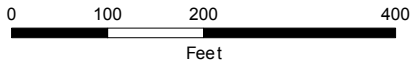


DATE:

11/10/2010

FIGURE #:

1



## ATTACHMENT B

Table 1: Sample Collection Information, including Field Logbook  
Notes and Field Data Collection Forms (Test Pit Logs, Soil Boring Logs,  
Well Construction Logs, Groundwater Sample Collection Logs."cpf  
"Hgnf 'Z TH' Cpcn{ decn' T guwmu+ "

**Table 1: Samples and Target Parameters.  
Jewett White Lead Company Site  
Staten Island, Bethpage, Richmond County, New York.  
October 2010**

WESTON Sample ID	Matrix	Target Parameters	Location	Date	Time
Perfetto Property Test Pit Samples					
RB-01	Blank	Lead		10/8/2010	8:25
S-AB1.5-0405	Soil	Lead, SPLP Lead, TCLP Lead	AB-1.5	10/6/2010	
S-AB1-0708			AB-1	10/4/2010	13:25
S-AB2.5-0102			AB-2.5	10/8/2010	8:38
S-AB2.5-0304			AB-2.5	10/8/2010	8:42
S-AB3.5-0001			AB-3.5	10/8/2010	10:10
S-BC1-0001			BC-1	10/4/2010	14:00
S-C4-0102			C-4	10/7/2010	13:24
S-CD1.5-0405			CD-1.5	10/5/2010	8:25
S-CD3-0001			CD-3	10/7/2010	9:42
S-CD3-0001-E			CD-3	10/7/2010	14:35
S-CD3-0102			CD-3	10/7/2010	9:44
S-CD3-0203			CD-3	10/7/2010	9:46
S-DE1-0506			DE-1	10/5/2010	9:40
S-DE1-0607			DE-1	10/5/2010	9:43
S-ZA1-0304			ZA-1	10/4/2010	10:45
S-ZA3.5-0405			ZA-3.5	10/6/2010	14:28
S-ZA3.5-0708			ZA-3.5	10/6/2010	14:35
S-ZA4-0607	ZA-4	10/6/2010	13:36		
Monitoring Well Soil Samples					
RB-02	Blank	Lead		10/8/2010	9:00
RB-04				10/14/2020	9:20
S-MSC1-0708	Soil	Lead, SPLP Lead, TCLP Lead	MSC-01	10/14/2010	10:10
S-MSC2-0708			MSC-02	10/14/2010	11:00
S-PO1-0607			PO-01	10/7/2010	14:47
S-PO2-0506			PO-02	10/7/2010	15:17
S-PO2-0506-E			PO-02	10/7/2010	15:17
S-PO3-0910			PO-03	10/7/2010	10:42
Moran Property Soil Boring Samples					
RB-03	Blank	Lead		10/12/2010	8:35
S-MSCB1-0102	Soil	Lead, SPLP Lead, TCLP Lead	MSCB-1	10/12/2010	10:10
S-MSCB1-0304			MSCB-1	10/12/2010	10:14
S-MSCB5-0001			MSCB-5	10/14/2010	9:16
S-MSCB5-0001-E			MSCB-5	10/14/2010	9:16
S-MSCC1-0102			MSCC-1	10/12/2010	11:20
S-MSCC1-0203			MSCC-1	10/12/2010	11:22
S-MSCC5-0102			MSCC-5	10/13/2010	13:30
S-MSCC5-0506			MSCC-5	10/13/2010	13:42
S-MSCD1-0102			MSCD-1	10/12/2010	11:46
S-MSCD4-0304			MSCD-4	10/13/2010	11:56
S-MSCD5-0506			MSCD-5	10/13/2010	13:20
S-MSCF4-0405			MSCF-4	10/13/2010	10:28
S-MSCF5-0304			MSCF-5	10/13/2010	9:46

**Table 1: Samples and Target Parameters.  
Jewett White Lead Company Site  
Staten Island, Bethpage, Richmond County, New York.  
October 2010**

WESTON Sample ID	Matrix	Target Parameters	Location	Date	Time
<b>Archived Soil Samples</b>					
S-A5.5-0001	Soil	Hold	A-5.5	10/6/2010	
S-A5.5-0102			A-5.5	10/6/2010	
S-A5.5-0203			A-5.5	10/6/2010	
S-A5.5-0304			A-5.5	10/6/2010	
S-A5.5-0405			A-5.5	10/6/2010	
S-AB1.5-0001			AB-1.5	10/6/2010	9:52
S-AB1.5-0102			AB-1.5	10/6/2010	9:54
S-AB1.5-0203			AB-1.5	10/6/2010	9:56
S-AB1.5-0304			AB-1.5	10/6/2010	10:00
S-AB1.5-0405-E			AB-1.5	10/6/2010	
S-AB1-0001			AB-1	10/4/2010	12:55
S-AB1-0102			AB-1	10/4/2010	12:50
S-AB1-0203			AB-1	10/4/2010	13:00
S-AB1-0304			AB-1	10/4/2010	13:05
S-AB1-0405			AB-1	10/4/2010	13:10
S-AB1-0506			AB-1	10/4/2010	13:15
S-AB1-0607			AB-1	10/4/2010	13:20
S-BC1.5-0001			BC-1.5	10/6/2010	8:52
S-BC1.5-0102			BC-1.5	10/6/2010	8:54
S-BC1.5-0203			BC-1.5	10/6/2010	8:56
S-BC1.5-0304			BC-1.5	10/6/2010	9:00
S-BC1.5-0405			BC-1.5	10/6/2010	9:02
S-BC1.5-0405-E			BC-1.5	10/6/2010	9:02
S-BC1-0102			BC-1	10/4/2010	14:03
S-BC1-0203			BC-1	10/4/2010	14:06
S-BC1-0304			BC-1	10/4/2010	14:15
S-BC1-0405			BC-1	10/4/2010	14:17
S-BC1-0506			BC-1	10/4/2010	14:20
S-BC1-0607			BC-1	10/4/2010	14:23
S-BC1-0708			BC-1	10/4/2010	14:27
S-BC2.5-0001			BC-2.5	10/7/2010	10:28
S-BC2.5-0102			BC-2.5	10/7/2010	10:30
S-BC2.5-0203			BC-2.5	10/7/2010	10:32
S-BC2.5-0304			BC-2.5	10/7/2010	10:35
S-BC2.5-0405			BC-2.5	10/7/2010	10:38
S-CD1.5-0001			CD-1.5	10/5/2010	14:27
S-CD1.5-0102			CD-1.5	10/5/2010	14:30
S-CD1.5-0203			CD-1.5	10/5/2010	14:32
S-CD1.5-0304			CD-1.5	10/5/2010	14:45
S-CD1.5-0506			CD-1.5	10/5/2010	14:55
S-CD1-0001			CD-1	10/5/2010	8:12
S-CD1-0102			CD-1	10/5/2010	8:14
S-CD1-0203			CD-1	10/5/2010	8:16
S-CD1-0304			CD-1	10/5/2010	8:20
S-CD1-0405			CD-1	10/5/2010	8:25
S-CD1-0506			CD-1	10/5/2010	8:30
S-CD1-0607			CD-1	10/5/2010	8:32
S-CD1-0708			CD-1	10/5/2010	8:34
S-CD3-0304			CD-3	10/7/2010	9:52



**Table 1: Samples and Target Parameters.  
Jewett White Lead Company Site  
Staten Island, Bethpage, Richmond County, New York.  
October 2010**

WESTON Sample ID	Matrix	Target Parameters	Location	Date	Time
S-CD3-0405	Soil	Hold	CD-3	10/7/2010	9:54
S-CD3-0506			CD-3	10/7/2010	9:56
S-CD3-0607			CD-3	10/7/2010	9:58
S-CD3-0708			CD-3	10/7/2010	10:00
S-D4-0001			D-4	10/7/2010	8:52
S-D4-0102			D-4	10/7/2010	8:54
S-D4-0203			D-4	10/7/2010	8:56
S-D4-0304			D-4	10/7/2010	9:00
S-D4-0405			D-4	10/7/2010	9:02
S-D4-0506			D-4	10/7/2010	9:04
S-D4-0607			D-4	10/7/2010	9:06
S-D4-0708			D-4	10/7/2010	9:08
S-DE1-0001			DE-1	10/5/2010	9:25
S-DE1-0102			DE-1	10/5/2010	9:27
S-DE1-0203			DE-1	10/5/2010	9:30
S-DE1-0304			DE-1	10/5/2010	9:35
S-DE1-0405			DE-1	10/5/2010	9:38
S-DE1-0607-E			DE-1	10/5/2010	9:43
S-DE1-0708			DE-1	10/5/2010	9:45
S-DE2-0001			DE-2	10/5/2010	13:22
S-DE2-0001-E			DE-2	10/5/2010	13:32
S-DE2-0102			DE-2	10/5/2010	13:25
S-DE2-0203			DE-2	10/5/2010	13:28
S-DE2-0304			DE-2	10/5/2010	12:33
S-DE2-0405			DE-2	10/5/2010	12:35
S-EF2.5-0001			EF-2.5	10/5/2010	12:27
S-EF2.5-0102			EF-2.5	10/5/2010	12:30
S-EF2.5-0203			EF-2.5	10/5/2010	12:33
S-EF2.5-0304			EF-2.5	10/5/2010	12:35
S-EF2.5-0405			EF-2.5	10/5/2010	12:38
S-F1-0001			F-1	10/5/2010	10:28
S-F1-0203			F-1	10/5/2010	10:33
S-F1-0304			F-1	10/5/2010	10:35
S-F1-0405			F-1	10/5/2010	10:38
S-MSC1-0102			MSC-01	10/14/2010	10:00
S-MSC1-0203			MSC-01	10/14/2010	10:04
S-MSC1-0304			MSC-01	10/14/2010	10:08
S-MSC1-0405			MSC-01	10/14/2010	10:12
S-MSC1-0506			MSC-01	10/14/2010	10:16
S-MSC1-0607			MSC-01	10/14/2010	10:20
S-MSC1-0708-E			MSC-01	10/14/2010	10:10
S-MSC2-0001			MSC-02	10/14/2010	10:48
S-MSC2-0102			MSC-02	10/14/2010	10:50
S-MSC2-0203			MSC-02	10/14/2010	10:52
S-MSC2-0304			MSC-02	10/14/2010	10:54
S-MSC2-0405			MSC-02	10/14/2010	10:56
S-MSC2-0506			MSC-02	10/14/2010	10:58
S-MSC2-0607			MSC-02	10/14/2010	11:00
S-MSCA1-0102			MSCA-1	10/12/2010	9:47
S-MSCA1-0203			MSCA-1	10/12/2010	9:49

**Table 1: Samples and Target Parameters.**  
**Jewett White Lead Company Site**  
**Staten Island, Bethpage, Richmond County, New York.**  
**October 2010**

WESTON Sample ID	Matrix	Target Parameters	Location	Date	Time
S-MSCA1-0304	Soil	Hold	MSCA-1	10/12/2010	9:51
S-MSCA1-0405			MSCA-1	10/12/2010	9:53
S-MSCA1-0506			MSCA-1	10/12/2010	9:55
S-MSCA1-0607			MSCA-1	10/12/2010	9:57
S-MSCA1-0708			MSCA-1	10/12/2010	9:59
S-MSCB1-0203			MSCB-1	10/12/2010	10:12
S-MSCB1-0405			MSCB-1	10/12/2010	10:16
S-MSCB1-0506			MSCB-1	10/12/2010	10:18
S-MSCB1-0607			MSCB-1	10/12/2010	10:20
S-MSCB1-0708			MSCB-1	10/12/2010	10:22
S-MSCB3-0001			MSCB-3	10/14/2010	9:00
S-MSCB3-0102			MSCB-3	10/14/2010	9:02
S-MSCB3-0203			MSCB-3	10/14/2010	9:04
S-MSCB3-0304			MSCB-3	10/14/2010	9:06
S-MSCB4-0001			MSCB-4	10/13/2010	14:38
S-MSCB4-0102			MSCB-4	10/13/2010	14:40
S-MSCB4-0203			MSCB-4	10/13/2010	14:42
S-MSCC1-0304			MSCC-1	10/12/2010	11:24
S-MSCC4-0001			MSCC-4	10/13/2010	13:54
S-MSCC4-0102			MSCC-4	10/13/2010	13:56
S-MSCC4-0203			MSCC-4	10/13/2010	13:58
S-MSCC4-0304			MSCC-4	10/13/2010	14:00
S-MSCC4-0405			MSCC-4	10/13/2010	14:04
S-MSCC4-0506			MSCC-4	10/13/2010	14:08
S-MSCC5-0203			MSCC-5	10/13/2010	13:32
S-MSCC5-0304			MSCC-5	10/13/2010	13:34
S-MSCC5-0405			MSCC-5	10/13/2010	13:40
S-MSCC5-0607			MSCC-5	10/13/2010	13:44
S-MSCC5-0708			MSCC-5	10/13/2010	13:46
S-MSCD1-0203			MSCD-1	10/12/2010	11:48
S-MSCD1-0304			MSCD-1	10/12/2010	11:50
S-MSCD1-0405			MSCD-1	10/12/2010	11:52
S-MSCD2-0001			MSCD-2	10/13/2010	11:20
S-MSCD2-0102			MSCD-2	10/13/2010	11:22
S-MSCD2-0203			MSCD-2	10/13/2010	11:24
S-MSCD2-0304			MSCD-2	10/13/2010	11:26
S-MSCD3-0001			MSCD-3	10/13/2010	11:40
S-MSCD3-0102			MSCD-3	10/13/2010	11:42
S-MSCD3-0203			MSCD-3	10/13/2010	11:44
S-MSCD3-0304			MSCD-3	10/13/2010	11:46
S-MSCD4-0001			MSCD-4	10/13/2010	11:50
S-MSCD4-0102			MSCD-4	10/13/2010	11:52
S-MSCD4-0203			MSCD-4	10/13/2010	11:54
S-MSCD5-0001			MSCD-5	10/13/2010	13:02
S-MSCD5-0102			MSCD-5	10/13/2010	13:04
S-MSCD5-0203			MSCD-5	10/13/2010	13:06
S-MSCD5-0304			MSCD-5	10/13/2010	13:08
S-MSCD5-0405			MSCD-5	10/13/2010	13:10
S-MSCD5-0708			MSCD-5	10/13/2010	13:24
S-MSCE1-0001			MSCE-1	10/12/2010	13:30

**Table 1: Samples and Target Parameters.  
Jewett White Lead Company Site  
Staten Island, Bethpage, Richmond County, New York.  
October 2010**

WESTON Sample ID	Matrix	Target Parameters	Location	Date	Time
S-MSCE1-0102	Soil	Hold	MSCE-1	10/12/2010	13:34
S-MSCE1-0203			MSCE-1	10/12/2010	13:36
S-MSCE2-0001			MSCE-2	10/13/2010	11:00
S-MSCE2-0102			MSCE-2	10/13/2010	11:02
S-MSCE2-0203			MSCE-2	10/13/2010	11:04
S-MSCE2-0304			MSCE-2	10/13/2010	11:06
S-MSCE3-0001			MSCE-3	10/13/2010	10:36
S-MSCE3-0102			MSCE-3	10/13/2010	10:38
S-MSCE3-0203			MSCE-3	10/13/2010	10:40
S-MSCE3-0304			MSCE-3	10/13/2010	10:42
S-MSCE4-0001			MSCE-4	10/13/2010	9:18
S-MSCE4-0102			MSCE-4	10/13/2010	9:20
S-MSCE4-0203			MSCE-4	10/13/2010	9:22
S-MSCE4-0304			MSCE-4	10/13/2010	9:24
S-MSCE4-0405			MSCE-4	10/13/2010	9:26
S-MSCF1-0001			MSCF-1	10/12/2010	14:00
S-MSCF1-0102			MSCF-1	10/12/2010	14:02
S-MSCF1-0203			MSCF-1	10/12/2010	14:05
S-MSCF1-0304			MSCF-1	10/12/2010	14:10
S-MSCF1-0405			MSCF-1	10/12/2010	14:15
S-MSCF1-0506			MSCF-1	10/12/2010	14:20
S-MSCF2-0001			MSCF-2	10/12/2010	14:30
S-MSCF2-0102			MSCF-2	10/12/2010	14:32
S-MSCF2-0203			MSCF-2	10/12/2010	14:34
S-MSCF2-0304			MSCF-2	10/12/2010	14:36
S-MSCF3-0001			MSCF-3	10/12/2010	14:46
S-MSCF3-0102			MSCF-3	10/12/2010	14:50
S-MSCF3-0203			MSCF-3	10/12/2010	14:52
S-MSCF3-0304			MSCF-3	10/12/2010	14:54
S-MSCF4-0001			MSCF-4	10/13/2010	10:18
S-MSCF4-0102			MSCF-4	10/13/2010	10:20
S-MSCF4-0304			MSCF-4	10/13/2010	10:24
S-MSCF4-0506			MSCF-4	10/13/2010	10:30
S-MSCF5-0102			MSCF-5	10/13/2010	9:40
S-MSCF5-0203			MSCF-5	10/13/2010	9:42
S-MSCF5-0405			MSCF-5	10/13/2010	9:50
S-MSCF5-0506			MSCF-5	10/13/2010	9:52
S-PO3-0001			PO-03	10/7/2010	9:55
S-PO3-0102			PO-03	10/7/2010	9:57
S-PO3-0203			PO-03	10/7/2010	10:00
S-PO3-0203-E			PO-03	10/7/2010	10:00
S-PO3-0304			PO-03	10/7/2010	10:02
S-PO3-0405			PO-03	10/7/2010	10:29
S-PO3-0506			PO-03	10/7/2010	10:30
S-PO3-0607			PO-03	10/7/2010	10:35
S-PO3-0708			PO-03	10/7/2010	10:37
S-PO3-0809			PO-03	10/7/2010	10:45
S-PO3-0910-E			PO-03	10/7/2010	10:42
S-ZA1-0001			ZA-1	10/4/2010	10:30
S-ZA1-0102			ZA-1	10/4/2010	10:35

**Table 1: Samples and Target Parameters.  
Jewett White Lead Company Site  
Staten Island, Bethpage, Richmond County, New York.  
October 2010**

WESTON Sample ID	Matrix	Target Parameters	Location	Date	Time
S-ZA1-0203	Soil	Hold	ZA-1	10/4/2010	10:40
S-ZA1-0405			ZA-1	10/4/2010	10:50
S-ZA1-0506			ZA-1	10/4/2010	10:55
S-ZA1-0607			ZA-1	10/4/2010	11:00
S-ZA1-0708			ZA-1	10/4/2010	11:05
S-ZA3.5-0001			ZA-3.5	10/6/2010	14:16
S-ZA3.5-0102			ZA-3.5	10/6/2010	14:18
S-ZA3.5-0203			ZA-3.5	10/6/2010	14:20
S-ZA3.5-0304			ZA-3.5	10/6/2010	14:25
S-ZA3.5-0506			ZA-3.5	10/6/2010	14:30
S-ZA3.5-0607			ZA-3.5	10/6/2010	14:32
S-ZA3.5-0708-E			ZA-3.5	10/6/2010	14:35
S-ZA4-0001			ZA-4	10/6/2010	
S-ZA4-0102			ZA-4	10/6/2010	
S-ZA4-0203			ZA-4	10/6/2010	
S-ZA4-0304			ZA-4	10/6/2010	
S-ZA4-0405			ZA-4	10/6/2010	13:08
S-ZA4-0405-E			ZA-4	10/6/2010	13:08
S-ZA4-0506			ZA-4	10/6/2010	13:34
S-ZA4-0708			ZA-4	10/6/2010	13:40

**Table 1: Samples and Target Parameters.  
Jewett White Lead Company Site  
Staten Island, Bethpage, Richmond County, New York.  
October 2010**

WESTON Sample ID	Matrix	Target Parameters	Location	Date	Time	
Offshore Sediment/Surface Water Samples						
RB-05	Blank	Lead		10/19/2020	13:10	
SD-01	Sediment		SW/SD-01	10/19/2010	10:25	
SD-01-E			SW/SD-01	10/19/2010	10:25	
SD-02			SW/SD-02	10/19/2010	11:55	
SD-03			SW/SD-03	10/19/2010	11:30	
SD-04			SW/SD-04	10/19/2010	11:05	
SW-01	Surface Water		SW/SD-01	10/19/2010	10:20	
SW-02			SW/SD-02	10/19/2010	11:50	
SW-03			SW/SD-03	10/19/2010	11:25	
SW-04			SW/SD-04	10/19/2010	11:00	
Groundwater and Onshore Sediment/Surface Water Samples						
GW-MSC1-1010	Ground Water		Lead	MSC-01	10/28/2010	12:13
GW-MSC2-1010		MSC-02		10/28/2010	11:25	
GW-PO1-1010		PO-01		10/28/2010	10:20	
GW-PO2-1010		PO-02		10/28/2010	9:28	
GW-PO2-1010-E		PO-02		10/28/2010	9:28	
RB-06	Blank			10/28/2010	13:00	
RB-07				10/28/2010	13:10	
SD-05	Sediment	SW/SD-05		10/28/2010	8:50	
SD-05-E		SW/SD-05		10/28/2010	8:55	
SD-06		SW/SD-06		10/28/2010	11:05	
SW-05	Surface Water	SW/SD-05		10/28/2010	8:35	
SW-05-E		SW/SD-05		10/28/2010	8:40	
SW-06		SW/SD-06		10/28/2010	11:00	

**Table 1: Samples and Target Parameters.  
Jewett White Lead Company Site  
Staten Island, Bethpage, Richmond County, New York.  
October 2010**

WESTON Sample ID	Matrix	Target Parameters	Location	Date	Time
<b>Particulate Samples</b>					
D1-1004	Air	Lead	D1	10/4/2010	7 hours
D2-1004			D2		
U-1004			U		
Sampler-1004			Sampler		
Operator-1004			Operator	10/5/2010	8 hours
D1-1005			D1		
D2-1005			D2		
U-1005			U		
S-1005			Sampler		
O-1005			Operator	10/6/2010	8 hours
D1-1006			D1		
D2-1006			D2		
U-1006			U		
S-1006			Sampler		
O-1006			Operator	10/7/2010	8 hours
D1-1007			D1		
D2-1007			D2		
U-1007			U		
S-1007			Sampler		
O-1007			Operator	10/8/2010	8 hours
D1-1008			D1		
D2-1008			D2		
U-1008			U		
S-1008			Sampler		
O-1008			Operator	10/12/2010	8 hours
D1-1012			D1		
D2-1012			D2		
U-1012			U		
S-1012			Sampler		
O-1012			Operator	10/13/2010	8 hours
D1-1013			D1		
D2-1013			D2		
U-1013			U		
S-1013			Sampler		
O-1013			Operator	10/14/2010	8 hours
D1-1014			D1		
D2-1014			D2		
U-1014			U		
S-1014			Sampler		
O-1014			Operator		

[illegible]

1. Pump dial setting (for example: hertz, cycles/min, etc)

2.  $\mu$ Siemens per cm (same as umhos/cm) at 25°C

[illegible]

1. Pump dial setting (for example: hertz, cycles/min, etc)
2. uSiemens per cm (same as unthos/cm) at 25C



Clock Time	(24 HR)	Water Depth Below MP (ft)	Pump Dial <sup>1</sup>	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (C) (%)	Specific Conduct. <sup>2</sup> ( $\mu S/cm^{\circ}$ ) (%)	pH (+/-0.1)	ORP/Eh <sup>3</sup> (mV) (+/-10)	DO (mg/L) (%)	Turbidity (NTU) (%)	Comments
0900		9.61	w/g	500	1.5	17.82	0.735	6.75	650	6.43	0.2	
0903		9.87		+	3	17.66	0.733	6.66	74.5	3.87	10.6	
0908		10.05			4.5	17.60	0.724	6.70	80.1	4.60	2.0	
0913		10.21		100	4.6	17.59	0.717	6.74	86.2	4.29	5.4	
0918		10.30		6	4.7	17.58	0.716	6.74	90.3	3.89	0.1	
0923		10.82			4.8	17.53	0.723	6.74	92.3	3.69	13.5	one ml blank purged sample collected.
0928		10.98			4.9							run grinder 11.95 pH
												Final Alkalinity (mg/L)

1. Pump dial setting (for example: hertz, cycles/min, etc)
2.  $\mu$ Siemens per cm (same as umhos/cm) at 25°C

[illegible]

1. Purup dial setting (for example: hertz, cycles/min, etc)
2. uSiemens per cm (same as umhos/cm) at 25C

[illegible]

1. Pump dial setting (for example: hertz, cycles/min, etc)

22.  $\mu\text{Siemens per cm}$  (same as  $\text{unhos/cm}$ ) at  $25^\circ\text{C}$



## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: WSCC-1

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/12/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: ~4'

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Asphalt & concrete	NOT COLLECTED DUE TO	NOT COLLECTED DUE TO Asphalt & Concrete.
2		Asphalt & concrete. light gray, dry silty sand and little pebbles.	0.0 ppm	ND ND ND
3		light gray dry silty sand and small pebbles.	0.0 ppm	3,522 ppm 3,533 ppm 3,465 ppm
4		dark, moist sandy silt, little pebbles some light brown to orange brown sand.	0.0 ppm	19,598 ppm 20,268 ppm 15,439 ppm
5		Saturated, Red-brown sand, some gray sand, and some black sand; Trace mica.	NOT SAMPLED DUE TO SATURATION	
6		Saturated S.A.A.		
7		Saturated peat Gray Saturated Sand.		
8		Wood mostly; some fine dark gray-brown sand.		
9				
10				
11				
12				
13				



## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCF-2

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/12/10

Ground Elevation: -

Drilling Contractor: SET

Fill Thickness: -

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: ~4'

Logged by: A. Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Asphalt / Rock brown, moist, medium grain sand some gravel (coarse)		289 ppm 266 ppm 306 ppm
2		white dry sand and quartz.		97 ppm 94 ppm 112 ppm
3		fine to medium dark brown silty sand, some brick, some silty grey clay.		12,810 ppm 12,514 ppm 12,475 ppm
4		light brown white moist sand wet brown green, grey silty sand.		37,497 ppm 34,283 ppm 33,656 ppm
5		SATURATED		
6				
7				
8				
9				
10				
11				
12				
13				



## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCF-1

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/12/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: ~ 6'

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Dry-moist, grey brown medium grain sand, some <del>small</del> pebbles	0.0 ppm	701 ppm 653 ppm 692 ppm
2		reddish-brown sandy clay; some fine yellow sand, some brick chunks and pebbles.	0.0 ppm	221 ppm 263 ppm 231 ppm
3		S.A.A.; WET	0.0 ppm	137 ppm 137 ppm 150 ppm
4		Wet light brown silty-clay ----- Wet black silt.	0.0 ppm	2371 ppm 3281 ppm 2232 ppm
5		brown, grey, <del>red</del> Red moist Sand	0.0 ppm	3492 ppm 3392 ppm 3468 ppm
6		Dark black brown silty peat (heavy petroleum odor)	0.0 ppm	7411 ppm 7460 ppm 7224 ppm
7		SATURATION ↓ ↓		
8				
9				
10				
11				
12				
13				



## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCE-1

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 4'

Date(s) Drilled: 10/12/10

Ground Elevation: —

Drilling Contractor: SET

Fill Thickness: —

Drill Rig: ~~Geo~~ Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: ~3'

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		<del>Asphalt</del> moist light brown sand mixed with dark medium sand and brick	0.0 ppm	8104 ppm 3354 ppm 3281 ppm
2		Dry, medium silty sand, dark brown, some brick, some gravel.	0.0 ppm	5711 ppm 5914 ppm 5758 ppm
3		Wet dark brown medium sandy silt.	0.0 ppm	
4		<del>Wet Dark brown silt</del> Mixed with lots of woody debris <b>SATURATED</b> layer of pine wood.		
5		Wet, brown clay silt, with brick		
6		Saturation ↓		
7				
8				
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11				
12				
13				

WESTON SOLUTIONS		SOIL BORING LOG	Sheet 1 of 1	Soil Boring ID: MSCF-3
Client: EPA		Project: Jewett White Lead Company		
Date(s) Drilled: 10/12/10		Drilling Method: Direct-Push Technology		
Drilling Contractor: SET		Total Boring Depth: 8'		
Drill Rig: Geoprobe 6610 DT		Ground Elevation: —		
Drill Foreman: Darwin Reid		Fill Thickness: —		
Logged by: Anthony Daniels		Well Construction: none		
		Depth to Groundwater: ~ 4'		
Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Asphalt Olive-brown fine silty sand and coarse gravel.	0.0 ppm	142 ppm 104 ppm 108 ppm
2		Olive brown fine silty sand and black fine silt; some coal	0.0 ppm	2234 ppm 2274 ppm 2236 ppm
3		light brown to orange brown and olive-brown silty sand. Some coal and black fine silty sand.	0.0 ppm	290 ppm 258 ppm 263 ppm
4		S.A.A.; moist	0.0 ppm	408 ppm 410 ppm 382 ppm
5		SATURATED		
6				
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9				
10				
11				
12				
13				





## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCB-1

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/12/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Darwin Reids GEOPROBE 6610

Well Construction: none

Drill Foreman: Darwin Reids

Depth to Groundwater: 8'

Logged by: Anthony Danah

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Concrete & Asphalt. ↓		Not Sampled due to concrete.
2		dry, grey, sand.	0.0 ppm	284 ppm 799 ppm 843 ppm
3		moist, dark brown/black silt, some orange-grey sand, some quartz, and light brown sand.	0.0 ppm	705 ppm 1,069 ppm 2,440 ppm
4		fine black, wet silt, some brick.	0.0 ppm	19,190 ppm 3,739 ppm 2,925 ppm
5		moist, grey, silt sand some pebbles moist - wet dark brown peat	0.0 ppm	12,286 ppm 12,258 ppm 9,891 ppm
6		moist - wet dark brown peat some brick.	0.0 ppm	13,094 ppm 10,979 ppm 14,104 ppm
7		Brown, wet silty peat.	0.0 ppm	9068 ppm 8873 ppm 9000 ppm
8		moist wet brown silty peat.	0.0 ppm	8803 ppm 11,884 ppm 9110 ppm
9				
10				
11				
12				
13				



## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: M S C A - 1

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8 ft.

Date(s) Drilled: 10/12/10

Ground Elevation: ~~#~~ N/A.

Drilling Contractor: SET

Fill Thickness: N/A.

Drill Rig: GEOPROBE 6610 DT

Well Construction: none

Drill Foreman: Darwin Reil

Depth to Groundwater: 8'

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Asphalt & Concrete		NOT Sampled due to concrete
2		Asphalt & concrete gray silty sand and coarse gravel.	0.0 ppm	19 ppm 26 ppm 18 ppm
3		brown, moist, silty sand and small pebbles	0.0 ppm	1546 ppm 2611 ppm 2327 ppm
4		black moist silty sand.	0.0 ppm	15,003 ppm 2,750 ppm 3,110 ppm
5		medium gray-brown moist silty sandy silt.	0.0 ppm	8698 ppm 19,359 ppm 15,518 ppm
6		fine dark brown-black moist sandy silt.	1.7 ppm	1866 ppm 26,373 ppm 23,531 ppm
7		redish brown organic layer fine dark-brown-black moist silt	8.5 ppm	8691 ppm 5085 ppm 6960 ppm
8		wet gravelly/shell deposit, silty sand.	0.3 ppm	5877 ppm 13,419 ppm 2509 ppm
9				
10				
11				
12				
13				



## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCD-1

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/12/10

Ground Elevation: —

Drilling Contractor: SET

Fill Thickness: —

Drill Rig: GEOPROPE 6610 BT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: ~ 4'

Logged by: Anthony Duvieles

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Asphalt & concrete		
2		Asphalt & concrete grey, dry, Sand and coarse gravel	0.7 ppm	51 ppm 45 ppm 46 ppm
3		Brown - black wet silty clay, little gravel.	7.9 ppm	57,385 ppm 55,258 ppm 55,275 ppm
4		Orange silty sandy wet.	2.3 ppm	11,247 ppm 11,101 ppm 10,985 ppm
5		dark brown very wet sand and shells wet dark brown black peat.	17.2 ppm	6,908 ppm 6883 ppm 6954 ppm
6		SATURATED		
7				
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10				
11				
12				
13				



## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSEC-5

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/13/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: &gt; 8'

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Asphalt		
2		Dry light grey sand.	0.0 ppm	214 ppm 200 ppm 209 ppm
3		brick, dry brown, grey silty sand.	0.0 ppm	1,938 ppm 1,537 ppm 1,854 ppm
4		dry orange and white sand, some silt.	0.0 ppm	3,583 ppm 3,611 ppm 3,736 ppm
5		<u>BRICK</u> Orange & white sand.	<del>NO SAMPLE</del> 0.0 ppm	1,681 ppm <del>1,749 ppm</del> <del>1,678 ppm</del>
6		Brick and red sand. some silt.	0.0 ppm	264 ppm 272 ppm 281 ppm
7		Black sand silt, moist. Trace mica, some coal.	0.0 ppm	417 ppm 434 ppm 441 ppm
8		Yellow-brown moist sandy clay Some shells.	0.0 ppm	415 ppm 437 ppm 455 ppm
9				
10				
11				
12				
13				

WESTON SOLUTIONS		SOIL BORING LOG	Sheet 1 of 1	Soil Boring ID: MSCB-4
Client: EPA		Project: Jewett White Lead Company	Drilling Method: Direct-Push Technology	
Date(s) Drilled: 10/13/10		Total Boring Depth:		
Drilling Contractor: SET		Ground Elevation:		
Drill Rig: GeoProbe 6610 DT		Fill Thickness:		
Drill Foreman: Darwin Reid		Well Construction: none		
Logged by: Anthony Dandell		Depth to Groundwater:		
Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		loose brown sand, some gravel	0.4 ppm	564 ppm 541 ppm 508 ppm
2		dry white sand, some silt	1.9 ppm	369 ppm 366 ppm 356 ppm
3		wet silty sand, some mica, little clay	0.8 ppm	13,250 ppm 12,643 ppm 12,921 ppm
4		Saturated Clay		
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C

WESTON SOLUTIONS		SOIL BORING LOG	Sheet 1 of 1	Soil Boring ID: MSC-4
Client: EPA		Project: Jewett White Lead Company		
Date(s) Drilled: 10/13/10		Drilling Method: Direct-Push Technology		
Drilling Contractor: SET		Total Boring Depth: 8'		
Drill Rig: Geoprobe G610		Ground Elevation:		
Drill Foreman: Darwin Reid		Fill Thickness:		
Logged by: Anthony Daniels		Well Construction: none		
		Depth to Groundwater: ~6'		
Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Asphalt dry light grey sand some silt Quartz.	0.0 ppm	197 ppm 174 ppm 147 ppm
2		White-grey, dry sand. Some black medium grain silt some brick	0.0 ppm	2,027 ppm 1,444 ppm 2,059 ppm
3		moist brown sand. little pebbles black moist silt	0.0 ppm	32,158 31,344 31,544
4		White sand and quartz moist brown silty sand, some clay.	0.0 ppm	25,752 ppm 27,066 ppm 28,425 ppm
5		black, white silty sand. orange silty clay	0.0 ppm	159 ppm 165 ppm 161 ppm
6		Brown silty clay	0.0 ppm	ND ND 20 ppm
7		WATER TABLE SATURATED		
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## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCD-5

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/13/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: GeoProbe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: &gt; 8'

Logged by: Anthony Dancila

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Asphalt light brown, grey, black silty sand, some pebbles, dry.	0.0 ppm	1651 ppm 1740 ppm 1719 ppm
2		Pink, red, dry clay and brick banding of black dry silt.	0.0 ppm	18,297 ppm 17,923 ppm 17,807 ppm
3		dry to moist brown coarse sand red sandy silt.	0.0 ppm	8628 ppm 17923 ppm 17807 ppm
4		moist, light brown, white, black silty sand, some glass, some brick.	0.2 ppm	8428 ppm 8858 ppm 8881 ppm
5		orange, dry, coarse sand stone.	0.0 ppm	6646 ppm 6743 ppm 6902 ppm
6		Rock	NO SAMPLE	
7		Dry black and brown silty sand. Trace mica	0.0 ppm	14,352 ppm 23,028 ppm 23,272 ppm
8		moist to wet brown silty sand, some clay.	0.0 ppm	11650 ppm 11,289 ppm 11,618 ppm
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23202  
23003  
23251



## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCC-3

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/13/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: ~4'

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Asphalt	<del>NOT SAMPLED</del>	
2	Roughly 20% recovery	greenish brown-gray silty sand	0.1 PPM	10,227 ppm 10,206 ppm 10,060 ppm
3		SAA.	NOT Sampled.	
4		SAA. Brick and pine wood. dry.	<del>NOT SAMPLED</del>	
5			NOT Sampled	
6		↓ SATURATED ↓ ★ Due to lack of volume recovery only interval <del>sampled</del> was collected for sample was 01 - 02 ft.		
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## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCD-4

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/13/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: 4'

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		ASPHALT light brown dry sand, some silt some gravel.	0.0 ppm	197 ppm 174 ppm 147 ppm
2		moist grey-black silt and brick	0.0 ppm	2,027 ppm 1,994 ppm 2,054 ppm
3		dry, grey sand, some wet black silt	0.0 ppm	32,158 ppm 31,344 ppm 31,594 ppm
4		dense, wet black-brown silty clay some sand.	0.0 ppm	25,752 ppm 27,066 ppm 25,425 ppm
5		↓ SATURATION ↓		
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## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID:

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology MSCD-3

Client: EPA

Total Boring Depth:

Date(s) Drilled: 10/13/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater:

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		<del>moist grey b</del> Asphalt <del>moist to wet grey silt</del> Bottle sand, some gravel	0.0 ppm	29,540 ppm 29,387 ppm 29,459 ppm
2		Wet, fine to medium brown-black Silt, some glass, little pebbles.	0.0 ppm	14,773 ppm 15,086 ppm 15,224 ppm
3		Wet, brown sandy silt	0.0 ppm	11,510 ppm 11,404 ppm 11,548 ppm
4		Wet brown silty clay.	0.0 ppm	1,620 ppm 1,061 ppm 1,018 ppm
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## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCD-2

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/13/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: 4'

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, isobutylene equivalents)	Field XRF Lead (ppm)
1		ASPHALT grey-brown dry silty sand some clay. some coarse gravel	4.2 ppm	255 ppm 263 ppm 262 ppm
2		dry-moist dark brown sandy silt, little brick, little pebbles,	17.9 ppm	20,613 ppm 20,693 ppm 20,813 ppm
3		moist dark brown to black silt. Some moist brown sand and woody debris	0.2 ppm	7,451 ppm 7,438 ppm 7,414 ppm
4		black wet silt, orange sand, red and brown sandy clay,	0.0 ppm	10,558 ppm 10,421 ppm 10,492 ppm
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## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCE-2

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 4'

Date(s) Drilled: 10/13/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 PT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: 4'

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		ASPHALT brown dry, medium grain sand, some gravel, little pebbles, little brick	0.6 ppm	214 ppm 245 ppm 228 ppm
2		dry, medium brown sandy some silt, little gravel, layers brown - grey silty sand.	1.5 ppm	2,435 ppm 2,460 ppm 2,482 ppm
3		brown black moist silty and coal and loose coarse pebbles.	0.4 ppm	1,738 ppm 2,205 ppm 2,282 ppm
4		white moist sand wet brown clay - sand, some silt, some small pebbles.	3.2 ppm	3,937 ppm 3,769 ppm 3,881 ppm
5		SATURATED		
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## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCE-3

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/13/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: ~4-5'

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		brown loose sand, <sup>little</sup> some grey silt Some brown and red silty sand little clay. And gravel.	0.0 ppm	380 ppm 345 ppm 403 ppm
2		dark brown black silt; some sand little yellow sand, some pink rock	0.1 ppm	8,103 ppm 7,910 ppm 8,075 ppm
3		light grey and black sand some silt, and black silt and coal some brick little pebbles moist	0.0 ppm	686 ppm 708 ppm 678 ppm
4		S. A. A.	0.0 ppm	7,105 ppm 7,008 ppm 7,176 ppm
5		↓ SATURATION ↓		
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## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCF-4

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/13/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: ~6'

Logged by: Anthony Daniels.

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		<del>grass</del> brown, silty sand and organic matter dry - grey, silty sand	0.0 ppm	1,863 ppm 1,742 ppm 1,788 ppm
2		brown black silt, moist. orange-brown silty sand, some brick.	0.0 ppm	28,958 ppm 29,965 ppm 29,470 ppm
3		BRICK		NO SAMPLE ALL BRICK
4		grey brown silty clay some sand. moist - wet. little pebbles	0.0 ppm	79,940 ppm 75,766 ppm 75,192 ppm
5		brown and grey wet silty sand little pebbles, little brick Some grey-brown clay	0.0 ppm	>10% >10% >10%
6		S.A.A.	0.0 ppm	86,901 ppm 87,198 ppm 85,731 ppm
7		↓ SATURATED ↓		
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WESTON SOLUTIONS		SOIL BORING LOG	Sheet 1 of 1	Soil Boring ID: MSCE-4
Client: EPA		Project: Jewett White Lead Company		
Date(s) Drilled: 10/13/10		Drilling Method: Direct-Push Technology		
Drilling Contractor: SET		Total Boring Depth: 8		
Drill Rig: Geoprobe 6610 DT		Ground Elevation: —		
Drill Foreman: Darwin Reid		Fill Thickness: —		
Logged by: Anthony Daniels		Well Construction: none		
		Depth to Groundwater: ~5'		
Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Asphalt Grey-brown dry sand, some silt, little pebbles Dry, dark brown silt some light grey sand, little brick	0.0 ppm	9,554 ppm 9,650 ppm 9,308 ppm
2		Orange-yellow light brown sand, little silt, some pebbles	0.0 ppm	8,587 ppm 8,405 ppm 8,666 ppm
3		Rock light grey, black silty sand, some coal Red silty sand	0.0 ppm	192 ppm 209 ppm 196 ppm
4		grey and black silt, some coal layer of light grey, loose sand some pebbles.	0.0 ppm	135 ppm 116 ppm 122 ppm
5		moist grey, yellow, brown silty sand, some pebbles.	0.0 ppm	2,405 ppm 2,403 ppm 2,511 ppm
6		SATURATION		
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## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCF-5

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 6'

Date(s) Drilled: 10/13/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: N/A

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Asphalt	0.0 ppm	6,266 PPM 6,437 PPM 6,317 PPM
2		loose, dry, light grey sand, some silt, little pebbles.	0.0 ppm	3,104 PPM 3,055 PPM 3,039 PPM
3		dark brown silty sand some pebbles little brick.	0.0 ppm	1,913 PPM 1,815 PPM 1,831 PPM
4		brown silty sand, some light grey sand and stone.	0.0 ppm	263 PPM 253 PPM 249 PPM
5		light brown and white sand, some pebbles, some brick, some brown sand, dry to moist	0.0 ppm	98 PPM 102 PPM 90 PPM
6		light brown silty sand, little brown clay, some brick.	0.0 ppm	
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## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCB-3

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 8'

Date(s) Drilled: 10/14/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: ~ 3.5 - 4'

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		light brown sand, little silt, some pebbles and gravel. very fine white silty sand. brown sand. trace mica BRICK	0.0 ppm	4331 ppm 4264 ppm 4422 ppm
2		fine to medium Red sand and brick rubble.	0.0 ppm	300 ppm 289 ppm 302 ppm
3		S.A.A. some wet loose clay	0.0 ppm	230 ppm 256 ppm 231 ppm
4		Brown dense saturated wet to saturated clay.	0.1 ppm	551 ppm 477 ppm 515 ppm
5		↓ SATURATION ↓		
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## SOIL BORING LOG

Sheet 1 of 1

Soil Boring ID: MSCB-5

Project: Jewett White Lead Company

Drilling Method: Direct-Push Technology

Client: EPA

Total Boring Depth: 4'

Date(s) Drilled: 10/14/10

Ground Elevation:

Drilling Contractor: SET

Fill Thickness:

Drill Rig: Geoprobe 6610 DT

Well Construction: none

Drill Foreman: Darwin Reid

Depth to Groundwater: ~ 3.5-4'

Logged by: Anthony Daniels

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1	20% Recovery	Brown dry silty sand.	0.0 ppm <del>2309</del>	3470 ppm 3562 ppm 3474 ppm
2		Granite and gravel.	NOT	SAMPLED
3		light brown dry sand, little silt some pebbles.	POOR RECOVERY	
4		moist to wet silty sand some clay.		
5		SATURATED		
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# WELL CONSTRUCTION LOG



~~SOIL BORING LOG~~  
Project: Jewett White Lead Company

Sheet 1 of 1

Soil Boring ID: MSC-2

Client: EPA

Drilling Method: ~~Direct Push Technology~~ Hollow stem AUGER

Date(s) Drilled: 10/14/10

Total Boring Depth: 8'

Drilling Contractor: SET

Ground Elevation: —

Drill Rig: Geoprobe 6610 DT

Fill Thickness: —

Drill Foreman: Darwin Reid

Well Construction: none

Logged by: Anthony Danilals

Depth to Groundwater: ~7.5'

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Gravel and asphalt. <del>fine black silty sand</del> <del>fine white sand.</del>	0.0	1052 ppm 993 ppm 1034 ppm
2		fine to med. fine silty sand (dry) white little pebbles.	0.0	57 ppm 50 42 ↓
3		moist black brown silty sand	0.0	3436 ppm 3430 3610
4		black silty sand (wet) mixed with brick, grey-brown wet silty sand.	0.0	5277 5586 ppm 5282
5		S.A.A., some moist to wet brown silty clay.	0.0	5649 5646 ppm 5484
6		Orange-Red-Sand, Brick	0.0	2620 2694 ppm 2594
7		Dense, brown silty clay, (wet) some medium brown silty sand little pebbles.	0.0	44723 43780 ppm 45441
8		<u>Saturated</u> brown silty clay.	0.0	—
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# WELL CONSTRUCTION LOG

<div style="display: inline-block; vertical-align: middle;"> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">SOIL BORING LOG</div> <div>Project: Jewett White Lead Company</div> </div>		Sheet 1 of 1	Soil Boring ID: MSC-1
Client: EPA		Drilling Method: <del>Direct Push Technology</del> <b>HOLLOW STEM AUGER</b>	
Date(s) Drilled: 10/14/10		Total Boring Depth: 8'	
Drilling Contractor: SET		Ground Elevation:	
Drill Rig: Geoprobe 6610 DT		Fill Thickness:	
Drill Foreman: Darwin Reid		Well Construction: none	
Logged by: Anthony Daniels		Depth to Groundwater: ~8'	

Depth (ft bgs)	Graphic Log	Descriptive Log	Headspace Readings (ppm, Isobutylene equivalents)	Field XRF Lead (ppm)
1		Asphalt ↓ ↓ ↓ ↓		
2		light brown dry sand, white sand <del>and white silty sand.</del>	0.0 ppm	26 ppm ND ND
3		S.A. A.	0.0 ppm	12,203 ppm 12,378 ppm 12,363 ppm
4		moist brown medium to coarse sand, some silt. brick.	0.0 ppm	560 ppm 570 ppm 551 ppm
5		brown silty sand, moist to wet orange brown silty sand.	0.0 ppm	4610 ppm 4540 ppm 4536 ppm
6		White, black, red, orange, fine silty sand, some mica. (dry). Pocket of saturated light brown clay.	0.0 ppm	112 ppm 109 ppm 126 ppm
7		white, black, red, orange, brown fine silty sand.	0.0 ppm	377 ppm 351 ppm 342 ppm
8		orange silty sand, some fine black and white sand. <del>white</del> some mica.	0.0 ppm	1117 ppm 1133 ppm 1129 ppm
9		BROWN SATURATED CLAY ↓ ↓		
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Parameters	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06
Temperature (°C)	15.9	15.9	16	16	18.25	19.85
pH	7.92	7.99	7.99	8.02	6.33	7.62
Specific Conductivity (mS/cm)	32,450	28,007	28,506	28,999	0.312	0.085
Oxidation-Reduction Potential (mV)	108.9	114.4	113.1	113.5	41.7	68.8
Dissolved Oxygen (mg/L)	7.2	7.92	7.39	7.23	4.02	3.27

°C = degrees Celcius

pH = log hydrogen ion concentration

mS/cm =microSiemens/centimeter

mV = millivolts

mg/L = milligrams per liter (parts per million)



Test Pit: Z A-1

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/04/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Excavator

Ground Surf. Elev.:

Total Depth: 8'

Depth of Fill: ~3.5'

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-2A1-0001	00-01 ft	Brown-Black, fine to medium silty sand Some cobble/stone Gravel and brick fill
	S-2A1-0102	01-02 ft	Yellow brown silty <sup>clay</sup> sand fine some black silty clay
	S-2A1-0203	02-03 ft	fine yellow brown silty clay
	S-2A1-0304	03-04 ft.	fine yellow brown silty sand some clay
	S-2A1-0405	04-05 ft.	fine yellow brown silty clay, some fine grey silty sand.
	S-2A1-0506	05-06 ft	fine yellow brown silty clay and fine grey silty sand.
	S-2A1-0607	06-07 ft.	fine yellow brown silty clay, some fine grey silty sand, and Reddish-brown silty sand
	S-2A1-0708	07-08 ft.	fine to medium Reddish brown Silty sand some cobble. little yellow brown fine silty sand.



Test Pit:  
ZA-3.5

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: ~~10/04/10~~ 10/06/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Excavator

Ground Surf. Elev.:

Total Depth:

Depth of Fill:

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-2A3.5-001	00-01 ft.	light brown medium silty sand and pebbles/gravel dark brown silty sand and gravel (medium-coarse)
	S-2A3.5-0102	01-02 ft.	layer of yellow brown fine silty sand. dark brown fine sandy silt; some pebbles
	S-2A3.5-0203	02-03 ft.	Very fine dark brown-black sandy silt; little pebbles.
	S-2A3.5-0304	03-04 ft.	dark brown-black organic material and rubble mix. Brick, wood and dark brown silty sand.
	S-2A3.5-0405	04-05 ft.	dark brown-black organic material (low dens. light wt.) Some light brown fine sand.
	S-2A3.5-0506	05-06 ft.	Very fine grey and light brown silty sand, dry.
	S-2A3.5-0607	06-07 ft.	S.A.A.
	S-2A3.5-0708	07-08 ft.	S.A.A. and Brick.



Test Pit: ~~ZA-4~~  
ZA-4

Page 1 of 1

Project Name: Jewett White Lead Co.  
Client: EPA  
Date: ~~10/07/10~~ 10/06/10  
Contractor: SET  
Logged By: A. Daniels  
Excavation Method: Excavator  
Ground Surf. Elev.:  
Total Depth: ~~8 ft.~~ 8 ft.  
Depth of Fill: 12 in.  
Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-2A4-001	00-01 ft.	Brown silty sand (medium-coarse); Rocks <del>Red sandy clay</del> fine dark brown sand silt silty sand and gravel
	S-2A4-012	01-02 ft.	dark brown silty sand and gravel
	S-2A4-0203	02-03 ft.	dark brown silty sand and gravel.
	S-2A4-0304	03-04 ft.	Dark <sup>black</sup> organic material (low density light weight) (mulch-like) staining.
	S-2A4-0405	04-05 ft.	Dark black organic material and brown silt (fine); yellow-brown fine silt.
	S-2A4-0506	05-06 ft.	Very fine grey silty sand and very fine light brown silty sand.
	S-2A4-0607	06-07 ft.	<del>Very</del> fine light brown sand (moist)
	S-2A4-0708	07-08 ft.	* fine light brown sand (moist)





Test Pit: A-1.5

Page 1 of 1

Project Name: Jewett White Lead Co.  
 Client: EPA  
 Date: 10/08/10  
 Contractor: SET  
 Logged By: A. Daniels  
 Excavation Method: Back ho  
 Ground Surf. Elev.:  
 Total Depth: 5 ft.  
 Depth of Fill: UNK.  
 Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-A1.5-001	00-01 ft.	Moist, medium grain, dark brown silty sand, and gravel moist medium light brown silty sand.
	S-A1.5-012	01-02 ft.	moist dark brown medium grain silty sand. layer of coal moist dark brown medium grain silty sand
	S-A1.5-023	02-03 ft.	S.A.A. medium to fine light brown silty sand, little mica.
	S-A1.5-034	03-04 ft.	medium to fine light brown silty sand.
	S-A1.5-045	04-05 ft.	fine light brown, gray-brown, orange brown silty sand layering.
			END OF PIT



Test Pit: A.2.5

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/08/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Back Ho

Ground Surf. Elev.:

Total Depth: 6 ft.

Depth of Fill: UNK.

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-A2.5-001	00-01 ft.	medium grain, light brown silty sand and gravel ----- fine, yellow-brown silty sand
	S-A2.5-002	01-02 ft.	fine dark brown-black sandy silt ----- layer of coal ----- fine, dark brown-black sandy silt
	S-A2.5-003	02-03 ft.	fine dark brown-black sandy silt, with some layers of light brown fine silty sand.
	S-A2.5-004	03-04 ft.	fine-medium dark brown moist silty sand and organic material.
	S-A2.5-005	04-05 ft.	dry, fine light brown sand, little light brown silty-sand, Trace mica.
	S-A2.5-006	05-06 ft.	dry, fine, yellow brown silty sand.
			END OF P.T



Test Pit: ~~A-5.5~~  
A-5.5

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: ~~10/04/10~~ 10/06/10

Contractor: SET

Logged By: A. Daniels

Excavation Method:

Ground Surf. Elev.:

Total Depth: 5 ft.

Depth of Fill: Unknown

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-A5.5-001	00-01 ft.	Medium to coarse brown/dark silty sand; Some gravel and brick
	S-A5.5-012	01-02 ft.	brown silty sand and gravel.
	S-A5.5-0203	02-03 ft.	orange-brown, grey, dark-brown fine silty sand banding.
	S-A5.5-0304	03-04 ft.	light brown fine sand; some fine grey silty sand.
	S-A5.5-0405	04-05 ft.	very fine grey silty sand; some fine orange-brown silty sand.



Test Pit: AB-1

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/04/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Excavator

Ground Surf. Elev.:

Total Depth: 8'

Depth of Fill: ~ 4'

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-AB1-001	00-01 ft	medium Brown silty sand with gravel
	S-AB1-002	01-02	coarse sand with some Red-brown fine silty-sand bands
	S-AB1-003 AB1-0203	02-03	coarse sand
	S-AB1-0304	03-04	fine red-grey-brown silty sand with some layers of yellow brown and black-brown silty sand
	S-AB1-0405	04-05	very fine grey brown silty sand.
	S-AB1-0506	05-06	very fine grey brown silty sand and very fine Red brown silty sand.
	S-AB1-0607	06-07	very fine reddish-grey silty sand layers of black-brown very fine silty sand
	S-AB1-0708	07-08	very fine Reddish-yellow-grey silty sand some Reddish fine-medium sand.



Test Pit: AB-1.5

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: ~~10/07/10~~ 10/06/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Excavator

Ground Surf. Elev.:

Total Depth: 5 ft.

Depth of Fill: CRK.

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-AB1.5-0001	00-01 ft. <del>00-10</del>	Medium-Coarse brown silty sand and rocks
	S-AB1.5-0102	01-02 ft.	black-brown sandy silt; layering of light brown silty sand
	S-AB1.5-0203	02-03 ft.	S.A.A.
	S-AB1.5-0304	03-04 ft.	<del>fine light brown sandy silt</del> SA A. fine light brown silty sand.
	S-AB1.5-0405	04-05 ft.	S.A.A.



Test Pit: AB - 2.5

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/08/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Back Ho

Ground Surf. Elev.:

Total Depth: 6'

Depth of Fill: UNK.

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-AB2.5-0001	00-01 ft.	Red-brown medium sand, some silt, and gravel.
	S-AB2.5-0102	01-02 ft.	dark brown-black medium silty sand, and gravel and brick rubble. S.A.A.; organic woody debris.
	S-AB2.5-0203	02-03 ft.	medium grain - fine grain black silty sand, some fine grain light brown silty sand, woody organic debris and brick rubble.
	S-AB2.5-0304	03-04 ft.	Moist, medium - fine dark brown-black silty sand, and decomposing woody organic material
	S-AB2.5-0405	04-05 ft.	medium to fine dark brown-black moist silty sand, mixed with broken ceramic pots and rubble building debris.
	S-AB2.5-0506	05-06 ft.	Fine, dry, light gray silty sand.
	S-AB2.5-0607	06-07 ft.	END OF TEST PIT



Test Pit: AB-3.5

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/08/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: BACK HO.

Ground Surf. Elev.:

Total Depth: 5'

Depth of Fill: UNKNOWN

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-AB3.5-0001	00-01 ft.	Medium to fine grain light brown silty sand and gravel.
	S-AB3.5-0002	01-02 ft.	Fine grain black sandy silt, moist.
	S-AB3.5-0203	02-03 ft.	S.A.A.; some layering of light brown sand.
	S-AB3.5-0304	03-04 ft.	Light brown-grey fine silty sand; lots of rocks. light brown-grey fine sand; little silt, Trace mica.
	S-AB3.5-0405	04-05 ft.	Very fine grey silty sand; and fine light brown silty sand; Trace mica.
			END OF TEST PIT



Test Pit: AB-4

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/08/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Back Ho

Ground Surf. Elev.:

Total Depth: 6'

Depth of Fill: UNKNOWN

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-AB4-001	00-01 ft.	fine to medium light brown silty sand; some coarse dark brown silty sand; some rocks and gravel; some organic matter.
	S-AB4-0102	01-02 ft.	medium grain dark brown-black silty sand; some light brown medium-fine silty sand; coal, gravel, building debris, rubble.
	S-AB4-0203	02-03 ft.	light brown fine to medium silty sand; some fine dark-brown-black silty sand.
	S-AB4-0304	03-04 ft.	dark, moist, black medium to fine silt; some organic matter.
	S-AB4-0405	04-05 ft.	S.A.A.; some light brown silty sand.
	S-AB4-0506	05-06 ft.	fine grain light grey silty-sand.
			NOTE - HEAVY PETROLEUM ODOR.
			END <del>TEST</del> TEST PIT.





Test Pit: AB-5.5

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/07/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Back Ho

Ground Surf. Elev.:

Total Depth: 5'

Depth of Fill: UNK.

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-AB5.5-0001	00-01 ft.	light brown fine sand, little silty, some dark brown-black silty fine sand, some gravel and brick rubble.
	S-AB5.5-0102	01-02 ft.	Very fine yellow-brown silty sand.
	S-AB5.5-0203	02-03 ft.	very fine yellow-brown silty sand, and very fine grey silty sand. DRY.
	S-AB5.5-0304	03-04 ft.	S.A.A.
	S-AB5.5-0405	04-05 ft.	S.A.A.
			END OF TEST PIT



Test Pit: BC-1

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/04/10

Contractor: SET

Logged By: A Daniels

Excavation Method: Excavator

Ground Surf. Elev.:

Total Depth: 8'

Depth of Fill: 3-4'

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-BC1-001	00-01 ft.	fine to medium Brown-black silty sand with brick and gravel
	S-BC1-0102	01-02 ft.	fine to medium Brown black silty sand with bands of yellow brown silty clay
	S-BC1-0203	02-03 ft.	fine yellow-brown silty clay. some fine yellow-brown sand.
	S-BC1-0304	03-04 ft.	fine yellow-brown silty sand; some fine red-brown silty sand; little mica.
	S-BC1-0405	04-05 ft.	fine Redish-brown silty sand; Trace mica.
	S-BC1-0506	05-06 ft.	Very fine Red-brown silty sand; Trace mica.
	S-BC1-0607	06-07 ft.	Very fine yellow-brown silty sand and very fine red-brown silty sand; Trace mica.
	S-BC1-0708	07-08 ft.	fine Red brown silty sand; some very fine yellow brown silty sand; some very fine brown sand; Trace mica



Test Pit: BC-1.5

Page 1 of 1

Project Name: Jewett White Lead Co.  
 Client: EPA  
 Date: ~~10/01/10~~ 10/04/10 10/06/10  
 Contractor: SET  
 Logged By: A. Daniels  
 Excavation Method: Excavator  
 Ground Surf. Elev.:  
 Total Depth: 5 ft.  
 Depth of Fill: UNK.  
 Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-BC1.5-001	00-01 ft.	Medium to coarse dark brown silty sand; some pebbles and organic debris
	S-BC1.5-0102	01-02 ft.	fine to medium dark brown silty sand, some building debris/rubble (ie: pieces of brick and ceramic pipe)
	S-BC1.5-0103	02-03 ft.	fine to medium dark brown silty sand fine redbrown silty sand, some pebbles. light brown silty sand layers.
	S-BC1.5-0204	03-04 ft.	fine light brown sand, some silt, trace mica.
	S-BC1.5-0415	04-05 ft.	fine red-brown and orange brown silty sand, some layering of dark brown silty sand.



Test Pit: BC-2.5

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/07/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Excavator

Ground Surf. Elev.:

Total Depth: 5'

Depth of Fill:

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-BC-2.5-001	00-01 ft.	medium light-dark brown mix silty sand And concrete, brick rubble debris.
	S-BC-2.5-012	01-02 ft.	medium dark brown silty sand and brick and gravel rubble.
	S-BC-2.5-003	02-03 ft.	S.A.A. with ceramic pipe (terracotta).
	S-BC-2.5-034	03-04 ft.	fine, dry, orange-brown silty sand; some grey fine silty sand.
	S-BC-2.5-016	04-05 ft.	S.A.A.
			END OF TEST PIT



Test Pit: BC-4

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/07/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Back Ho

Ground Surf. Elev.:

Total Depth: 8'

Depth of Fill: VNK.

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-BC4-0001	00-01 ft.	medium light brown, moist, silty sand; little gravel moist dark brown organic material and gravel.
	S-BC4-0102	01-02 ft.	moist <sup>fine</sup> dark brown silty sand, and some gravel light brown silty sand layer dark brown, silty sand and coal/ash
	S-BC4-0203	02-03 ft.	moist fine dark brown silty sand.
	S-BC4-0304	03-04 ft.	black-brown, medium silty sand; and woody building material, ceramic pots and piping,
	S-BC4-0405	04-05 ft.	Black and brown medium grain silty sand; some pieces of broken ceramic material and brick.
	S-BC4-0506	05-06 ft.	Moist, fine grey-redish-grey silty sand mixed among full brick wall structure.
	S-BC4-0607	06-07 ft.	moist, fine grey sand, some silt, layered w. yellow-brown fine silty sand; TRACE mica
	S-BC4-0708	07-08 ft.	S.A.A.



Test Pit: CD 1.5

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/05/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Excavator

Ground Surf. Elev.:

Total Depth: 6'

Depth of Fill: UNK.

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-CD15-001	00-01 ft.	Medium brown silty sand, moist; --- <u>CONCRETE</u> --- gravel, brick, brown silty sand
	S-CD15-0102	01-02 ft.	dark brown silty sand; some gravel --- coal and organic debris
	S-CD15-0203	02-03 ft.	orange-brown fine silty sand, moist
	S-CD15-0304	03-04 ft.	Very fine grey-silty-sand; some charcoal; little brick.
	S-CD15-0405	04-05 ft.	Very fine grey sand; some fine yellow-brown, orange brown, Red brown layering. <u>Silty Sand</u> dry.
	S-CD15-0506	05-06 ft.	very fine yellow brown silty sand, some Red brown silty sand; some grey sand. dry.



Test Pit: C-4

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/07/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Back Ho

Ground Surf. Elev.:

Total Depth: 6'

Depth of Fill: 0.2K

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-C4-001	00-01 ft.	light-dark brown sand mixed with brick and gravel rubble. (medium grain size)
	S-C4-0102	01-02 ft.	Orange-brown, fine silty sand mixed with brick dark brown-black fine silty sand; some light brown fine silty sand.
	S-C4-0203	02-03 ft.	dark brown-black fine silty sand (lots) and lots of broken ceramic pots at this depth.
	S-C4-0304	03-04 ft.	S.A.A.
	S-C4-0405	04-05 ft.	fine, dry, light brown sand and fine, dry grey sand.
	S-C4-0506	05-06 ft.	S.A.A.
			END OF TEST PIT



Test Pit: CD-1

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/05/10

Contractor: SET

Logged By: A. Dannels

Excavation Method: Excavator

Ground Surf. Elev.:

Total Depth: 8'

Depth of Fill: ~ 3.5'

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-CD1-0001	00-01 ft.	fine to medium orange-brown silty sand; some medium brown-black silty sand
	S-CD1-0102	01-02 ft.	fine orange-brown silty sand, some medium-fine brown-black sand; trace mica
	S-CD1-0203	02-03 ft.	fine orange-brown silty sand, layering black silty sand (fine); trace mica.
	S-CD1-0304	03-04 ft.	fine orange-brown silty sand; layering of black silty sand and grey-brown silty sand (fine); trace mica
	S-CD1-0405	04-05 ft.	fine grey-brown silty sand; some fine yellow-brown silty sand; some orange brown silty sand.
	S-CD1-0506	05-06 ft.	fine Red-brown silty sand; some fine yellow-brown sand; little pebbles; trace mica.
	S-CD1-0607	06-07 ft.	fine Red-Brown silty sand; some pebbles and cobbles; trace fine yellow brown silty sand.
	S-CD1-0708	07-08 ft.	fine Red-brown silty sand; and pebbles.





Test Pit: CD-3

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/07/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Excavator

Ground Surf. Elev.:

Total Depth: 8'

Depth of Fill: UNC.

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-CD3-001	00-01 ft.	Medium-coarse, moist, dark brown silty sand, Organic debris and gravel.
	S-CD3-002	01-02 ft.	<del>orange-brown and brown fine silty sand</del> Orange-brown fine silty sand with some layering of fine brown silty sand. Dry.
	S-CD3-003	02-03 ft.	medium to fine, mix of brown, orange-brown, grey silty sand; Trace mica.
	S-CD3-004	03-04 ft.	S.A.A.
	S-CD3-005	04-05 ft.	Medium to fine, moist, grey silty sand and Red-brown silty sand, some orange silty sand.
	S-CD3-006	05-06 ft.	medium to fine, moist Orange-brown silty sand Some medium to fine, moist, grey silty sand.
	S-CD3-007	06-07 ft.	medium to fine, moist grey silty sand with layers of medium to fine, moist Red-brown silty sand.
	S-CD3-008	07-08 ft.	S.A.A. - with orange, fine silty sand layering.



Test Pit: D-4

Page 1 of 1

Project Name: Jewett White Lead Co.  
 Client: EPA  
 Date: 10/07/10  
 Contractor: SET  
 Logged By: A. Daniels  
 Excavation Method: Excavator  
 Ground Surf. Elev.:  
 Total Depth: 8 ft.  
 Depth of Fill: U.N.K.  
 Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-D4-001	00-01 ft.	medium, brown silty sand; Organic debris, large gravel. light brown, dry, silty sand
	S-D4-0102	01-02 ft.	Orange-brown, silty sand - fine grain. Dry Some light brown silty sand Dry - moist.
	S-D4-0203	02-03 ft.	grey-brown silty sand, some fine orange-brown silty sand, little black, fine silty sand layers. Dry
	S-D4-0304	03-04 ft.	fine, orange-brown silty sand and grey-brown fine silty sand and light brown fine silty sand Dry
	S-D4-0405	04-05 ft.	S.A.A.; Dry.
	S-D4-0506	05-06 ft.	S.A.A.; Dry - moist
	S-D4-0607	06-07 ft.	moist, fine, orange brown silty sand, some moist, fine, grey silty sand.
	S-D4-0708	07-08 ft.	Dry, fine, light brown - grey silty sand; Some orange-brown silty sand. fine.



Test Pit: DE-1

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/05/10

Contractor: SET

Logged By: A. Daniels

Excavation Method:

Ground Surf. Elev.:

Total Depth: 8'

Depth of Fill: UNK.

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-DE1-001	00-01' ft.	medium brown-black silty sand; some pebbles; some rubble (brick); <del>some</del> layer of black charcoal at roughly 9" bgs.
	S-DE1-0102	01-02' ft.	fine orange brown silty sand; Trace mica
	S-DE1-0203	02-03' ft.	fine orange brown silty sand, some fine yellow-brown silty-sand; Trace mica.
	S-DE1-0304	03-04 ft.	Very fine red brown silty sand; some very fine yellow-brown silty sand; some <del>gray</del> orange-brown silty-sand; Trace mica.
	S-DE1-0405	04-05 ft.	Very fine grey-brown (almost a pink hue) silty sand; some yellow-brown silty sand; Trace mica.
	S-DE1-0506	05-06 ft.	very fine light brown silty-sand; some yellow-brown silty sand; Trace mica.
	S-DE1-0607	06-07 ft.	Very fine yellow-brown silty sand; some Red-brown silty sand; some light brown silty sand; trace mica moist.
	S-DE1-0708	07-08 ft.	fine Red-brown silty sand; some pebbles; moist.



Test Pit: DE-2

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/05/10

Contractor: SET

Logged By: A. Daniele

Excavation Method: Excavator

Ground Surf. Elev.:

Total Depth: 5'

Depth of Fill: UNKNOWN

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-DE2-001	00-01 ft.	Fine to medium brown-black sand; some silt; some pebbles, brick, organic debris.
	S-DE2-002	01-02 ft.	Fine to medium brown silty sand; layers black charcoal ----- Fine orange brown silty sand, moist
	S-DE2-003	02-03 ft.	Fine orange brown silty sand, layers of brown-black silty sand, moist.
	S-DE2-004	03-04 ft.	Very fine orange-brown silty sand, dry.
	S-DE2-005	04-05 ft.	Very fine orange brown sand; little silt, some red brown sand; some yellow-brown sand, little mica.



Test Pit: EF-2.5

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/05/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Excavator

Ground Surf. Elev.:

Total Depth: 5

Depth of Fill: UNK.

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-EF2.5-001	00-01 ft.	medium brown - dark brown Silty sand; some organic debris; little pebbles.
	S-EF2.5-002	01-02 ft.	Very fine orange brown Silty sand; Some very fine brown silty-sand
	S-EF2.5-003	02-03 ft.	S.A.A.
	S-EF2.5-004	03-04 ft.	Very fine orange brown silty sand; And very fine Red brown silty Sand; some layering Very fine grey-brown / light brown silty sand.
	S-EF2.5-005	04-05 ft.	S.A.A.



Test Pit: **F-1**

Page 1 of 1

Project Name: Jewett White Lead Co.

Client: EPA

Date: 10/05/10

Contractor: SET

Logged By: A. Daniels

Excavation Method: Excavator

Ground Surf. Elev.:

Total Depth: 5'

Depth of Fill: ~ 2'

Remarks:

Stratigraphic Unit	Sample Number	Depth (ft)	Material Description
	S-F1-001	00-01 ft.	medium brown silty sand; some cobbles and organic debris; some charcoal
	S-F1-0102	01-02 ft.	fine to medium light brown sand; some fine yellow-brown silty sand; fine yellow-brown silty sand; layer of charcoal mixed with ceramic pipe, brick, organic debris
	S-F1-0203	02-03 ft.	very fine orange brown silty sand.
	S-F1-0304	03-04 ft.	very fine light brown silty sand; layers of orange-brown, yellow-brown fine silty sand Trace mica; some red-brown fine silty sand.
	S-F1-0405	04-05 ft.	very fine light brown silty sand; layers of orange-brown, red-brown fine silty sand; trace mica.

WESTON		WELL CONSTRUCTION LOG		Sheet 1 of 1		Well ID: PO-3	
Client: EPA		Project: Jewett White Lead Company		Drilling Method: Hollow-stem Augers			
Date(s) Drilled:				Total Well Depth:			
Drilling Contractor: SET				Ground Elevation:			
Drill Rig:				Overburden Thickness:			
Drill Foreman:				Well Construction:			
Logged by: JULISSA NORDA				Static Water Depth:			
				Depth to Groundwater: 7.5			
Depth (ft bgs)	Graphic Log	Features	Descriptive Log			Remarks	
1			Reddish-brown med-fine silty-sand (Dry)			50% recovery	
2			Reddish brown med-fine-course silty-sand (Dry)				
3			Brownish-black med-fine silty-sand, concrete fragments (Dry)				
4			Reddish-brown black mottled white med-fine silty-sand, concrete fragments (Dry)				
5			Reddish-brown fine silty sand (Moist)				
6			" "				
7			Reddish-brown fine silty-sand				
8			6'-7.5' Moist				
9			7.5-8' (Wet)				
10			Brown w/ red brick fragments silty-sand				
11			Reddish-brown fine silty sand				
12							
13							
14							
15							
16							
17							
18							



## WELL CONSTRUCTION LOG

Sheet 1 of 1

Well ID: PO-2

Project: Jewett White Lead Company

Drilling Method: Hollow stem Augers

Client: EPA

Total Well Depth:

Date(s) Drilled:

Ground Elevation:

Drilling Contractor: SET

Overburden Thickness:

Drill Rig:

Well Construction:

Drill Foreman:

Static Water Depth:

Logged by: Juli Sa Morales

Depth to Groundwater: 6

Depth (ft bgs)	Graphic Log	Features	Descriptive Log	Remarks
1			Medium-light brown med-fine silty-sand, concrete fragments (Dry)	
2			Dark brown w/white flecks med-fine silty sand, red brick fragments (Dry)	
3			Dark brownish-black fine silty sand trace clay, red brick fragments (Dry)	
4			" "	
5			Dark brownish-gray coarse to medium silty-sand, concrete fragments (Moist)	
6			Medium-brown med-fine silty sandy clay (wet)	
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				



WESTON SURVEILLANCE		WELL CONSTRUCTION LOG		Sheet 1 of 1		Well ID: PO-2	
Client: EPA		Project: Jewett White Lead Company		Drilling Method: Hollow-stem Augers			
Date(s) Drilled:				Total Well Depth:			
Drilling Contractor: SET				Ground Elevation:			
Drill Rig:				Overburden Thickness:			
Drill Foreman:				Well Construction:			
Logged by: Julissa Morales				Static Water Depth:			
				Depth to Groundwater: 6.5			
Depth (ft bgs)	Graphic Log	Features	Descriptive Log			Remarks	
1			Dark <sup>med</sup> brown silt-sand, concrete fragments (Dry)				
2			" "				
3			" " Some organic (Dry)				
4							
5			Med-brown fine silty-sandy-clay (moist)				
6			Light brown med-brown silty clay, fine sand (Moist)				
7			" " Wet at 6.5'				
8			Light brownish-gray silty-clay, fine sand (wet)				
9			Light grayish-brown silty-clay, fine sand (wet)				
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**Field XRF Results**  
**Jewett White Lead Company Site**

Sample ID	Date	Time	Results (ppm)			Average
			1	2	3	
S-ZA1-0001	10/4/2010	10:30	8,592	8,519	4,927	7,346
S-ZA1-0102	10/4/2010	10:35	619	1,232	7,343	3,065
S-ZA1-0203	10/4/2010	10:40	99	45	27	57
S-ZA1-0304	10/4/2010	10:45	nd	nd	nd	nd
S-ZA1-0405	10/4/2010	10:50	nd	nd	32	32
S-ZA1-0506	10/4/2010	10:55	61	117	46	75
S-ZA1-0607	10/4/2010	11:00	nd	nd	26	26
S-ZA1-0708	10/4/2010	11:05	nd	nd	94	94
S-AB1-0001	10/4/2010	12:50	2,383	2,544	3,240	2,722
S-AB1-0102	10/4/2010	12:55	1,274	1,534	837	1,215
S-AB1-0203	10/4/2010	13:00	8,093	11,250	11,273	10,205
S-AB1-0304	10/4/2010	13:05	995	181	354	510
S-AB1-0405	10/4/2010	13:10	86	44	202	111
S-AB1-0506	10/4/2010	13:15	nd	nd	35	35
S-AB1-0607	10/4/2010	13:20	1,653	1,191	1,626	1,490
S-AB1-0708	10/4/2010	13:25	nd	nd	nd	nd
S-BC1-0001	10/4/2010	14:00	3,468	7,139	8,090	6,232
S-BC1-0102	10/4/2010	14:03	7,980	7,322	7,129	7,477
S-BC1-0203	10/4/2010	14:06	4,935	4,853	2,614	4,134
S-BC1-0304	10/4/2010	14:15	113	349	332	265
S-BC1-0405	10/4/2010	14:17	nd	97	35	66
S-BC1-0506	10/4/2010	14:20	847	527	77	484
S-BC1-0607	10/4/2010	14:23	nd	22	nd	22
S-BC1-0708	10/4/2010	14:27	nd	nd	58	58
S-CD1-0001	10/5/2010	8:12	2,598	2,465	5,726	3,596
S-CD1-0102	10/5/2010	8:14	2,202	1,553	3,144	2,300
S-CD1-0203	10/5/2010	8:16	524	768	1,141	811
S-CD1-0304	10/5/2010	8:20	212	278	118	203
S-CD1-0405	10/5/2010	8:25	nd	nd	nd	nd
S-CD1-0506	10/5/2010	8:30	nd	28	53	41
S-CD1-0607	10/5/2010	8:32	24	19	nd	22
S-CD1-0708	10/5/2010	8:34	21	nd	nd	21
S-DE1-0001	10/5/2010	9:25	3,944	7,367	6,544	5,952
S-DE1-0102	10/5/2010	9:27	nd	nd	nd	nd
S-DE1-0203	10/5/2010	9:30	nd	nd	nd	nd
S-DE1-0304	10/5/2010	9:35	nd	nd	nd	nd
S-DE1-0405	10/5/2010	9:38	16	nd	nd	16
S-DE1-0506	10/5/2010	9:40	nd	nd	15	15
S-DE1-0607	10/5/2010	9:43	155	17	76	83
S-DE1-0607-E	10/5/2010	9:43	41	47	44	44
S-DE1-0708	10/5/2010	9:45	51	nd	nd	51

**Field XRF Results**  
**Jewett White Lead Company Site**

Sample ID	Date	Time	Results (ppm)			Average
			1	2	3	
S-F1-0001	10/5/2010	10:28	2,778	2,230	2,437	2,482
S-F1-0102	10/5/2010	10:30	4,276	12,450	10,304	9,010
S-F1-0203	10/5/2010	10:33	45	53	31	43
S-F1-0304	10/5/2010	10:35	nd	nd	nd	nd
S-F1-0405	10/5/2010	10:38	nd	nd	nd	nd
S-EF2.5-0001	10/5/2010	12:27	4,659	2,790	2,782	3,410
S-EF2.5-0102	10/5/2010	12:30	69	164	73	102
S-EF2.5-0203	10/5/2010	12:33	23	25	16	21
S-EF2.5-0304	10/5/2010	12:35	19	nd	nd	19
S-EF2.5-0405	10/5/2010	12:38	120	49	nd	85
S-DE2-0001	10/5/2010	13:22	413	1,116	376	635
S-DE2-0001-E	10/5/2010	13:32	457	485	407	450
S-DE2-0102	10/5/2010	13:25	55	40	38	44
S-DE2-0203	10/5/2010	13:28	31	22	33	29
S-DE2-0304	10/5/2010	12:33	nd	nd	21	21
S-DE2-0405	10/5/2010	12:35	nd	nd	nd	nd
S-CD1.5-0001	10/5/2010	14:27	6,484	9,126	7,450	7,687
S-CD1.5-0102	10/5/2010	14:30	31,785	34,496	34,397	33,559
S-CD1.5-0203	10/5/2010	14:32	33,515	27,944	30,178	30,546
S-CD1.5-0304	10/5/2010	14:45	3,388	374	2,709	2,157
S-CD1.5-0405	10/5/2010	14:47	nd	nd	nd	nd
S-CD1.5-0506	10/5/2010	14:55	nd	nd	nd	nd
S-BC1.5-0001	10/6/2010	8:52	2,778	2,230	2,437	2,482
S-BC1.5-0102	10/6/2010	8:54	4,276	12,450	10,309	9,012
S-BC1.5-0203	10/6/2010	8:56	45	53	31	43
S-BC1.5-0304	10/6/2010	9:00	nd	nd	ND	nd
S-BC1.5-0405	10/6/2010	9:02	nd	nd	nd	nd
S-BC1.5-0405-E	10/6/2010	9:02	536	378	17	310
S-AB1.5-0001	10/6/2010	9:52	31,969	43,466	38,195	37,877
S-AB1.5-0102	10/6/2010	9:54	60,925	56,312	58,401	58,546
S-AB1.5-0203	10/6/2010	9:56	34,935	29,420	34,175	32,843
S-AB1.5-0304	10/6/2010	10:00	396	219	122	246
S-AB1.5-0405	10/6/2010	10:02	122	63	60	82
S-A5.5-0001	10/6/2010		857	1,543	1,082	1,161
S-A5.5-0102	10/6/2010		851	947	1,082	960
S-A5.5-0203	10/6/2010		851	942	935	909
S-A5.5-0304	10/6/2010		nd	19	nd	19
S-A5.5-0405	10/6/2010		nd	18	nd	18
S-ZA4-0001	10/6/2010		4,175	7,487	8,840	6,834

**Field XRF Results**  
**Jewett White Lead Company Site**

Sample ID	Date	Time	Results (ppm)			Average
			1	2	3	
S-ZA4-0102	10/6/2010		22,995	20,331	20,117	21,148
S-ZA4-0203	10/6/2010		37,142	42,713	28,947	36,267
S-ZA4-0304	10/6/2010		58,249	66,161	63,581	62,664
S-ZA4-0405	10/6/2010	13:08	54,868	54,365	51,880	53,704
S-ZA4-0405-E	10/6/2010	13:08	43,966	46,335	47,761	46,021
S-ZA4-0506	10/6/2010	13:34	1,213	582	653	816
S-ZA4-0607	10/6/2010	13:36	27	nd	22	25
S-ZA4-0708	10/6/2010	13:40	nd	25	251	138
S-ZA3.5-0001	10/6/2010	14:16	8,278	7,805	7,772	7,952
S-ZA3.5-0102	10/6/2010	14:18	38,284	37,335	3,788	26,469
S-ZA3.5-0203	10/6/2010	14:20	63,685	61,417	60,670	61,924
S-ZA3.5-0304	10/6/2010	14:25	41,286	39,806	40,382	40,491
S-ZA3.5-0405	10/6/2010	14:28	4,760	48,257	30,923	27,980
S-ZA3.5-0506	10/6/2010	14:30	34	42	34	37
S-ZA3.5-0607	10/6/2010	14:32	48	28	41	39
S-ZA3.5-0708	10/6/2010	14:35	635	631	2,076	1,114
S-D4-0001	10/7/2010	8:52	352	536	558	482
S-D4-0102	10/7/2010	8:54	26	23	22	24
S-D4-0203	10/7/2010	8:56	nd	nd	nd	nd
S-D4-0304	10/7/2010	9:00	16	nd	nd	16
S-D4-0405	10/7/2010	9:02	nd	nd	nd	nd
S-D4-0506	10/7/2010	9:04	nd	nd	nd	nd
S-D4-0607	10/7/2010	9:06	nd	nd	nd	nd
S-D4-0708	10/7/2010	9:08	nd	nd	nd	nd
S-CD3-0001	10/7/2010	9:42	3,109	3,023	2,987	3,040
S-CD3-0102	10/7/2010	9:44	774	754	745	758
S-CD3-0203	10/7/2010	9:46	313	331	312	319
S-CD3-0304	10/7/2010	9:52	nd	nd	nd	nd
S-CD3-0405	10/7/2010	9:54	nd	nd	nd	nd
S-CD3-0506	10/7/2010	9:56	nd	nd	nd	nd
S-CD3-0607	10/7/2010	9:58	nd	nd	nd	nd
S-CD3-0708	10/7/2010	10:00	nd	23	20	22
S-BC2.5-0001	10/7/2010	10:28	3,965	4,023	3,992	3,993
S-BC2.5-0102	10/7/2010	10:30	5,510	5,423	5,580	5,504
S-BC2.5-0203	10/7/2010	10:32	17,037	17,563	16,941	17,180
S-BC2.5-0304	10/7/2010	10:35	nd	17	nd	nd
S-BC2.5-0405	10/7/2010	10:38	85	90	97	91
S-BC4-0001	10/7/2010	11:42	4,847	4,875	5,108	4,943
S-BC4-0102	10/7/2010	11:44	57,071	55,767	57,099	56,646
S-BC4-0203	10/7/2010	11:46	91,271	87,717	91,112	90,033
S-BC4-0203-E	10/7/2010	11:46	88,650	97,219	95,664	93,844

**Field XRF Results**  
**Jewett White Lead Company Site**

Sample ID	Date	Time	Results (ppm)			Average
			1	2	3	
S-BC4-0304	10/7/2010	11:48	70,460	75,205	78,158	74,608
S-BC4-0405	10/7/2010	11:52	9,395	9,500	9,579	9,491
S-BC4-0506	10/7/2010	12:44	3,585	3,650	3,677	3,637
S-BC4-0607	10/7/2010	12:46	21	17	19	19
S-BC4-0708	10/7/2010	12:48	nd	nd	nd	nd
S-C4-0001	10/7/2010	13:22	7,129	12,518	12,043	10,563
S-C4-0102	10/7/2010	13:24	99,196	97,764	93,508	96,823
S-C4-0203	10/7/2010	13:26	95,129	100,000	98,634	97,921
S-C4-0304	10/7/2010	13:30	57,873	58,991	58,938	58,601
S-C4-0405	10/7/2010	13:32	nd	20	17	19
S-C4-0506	10/7/2010	13:35	nd	nd	nd	nd
S-AB5.5-0001	10/7/2010	14:20	698	678	700	692
S-AB5.5-0102	10/7/2010	14:22	58	59	49	55
S-AB5.5-0203	10/7/2010	14:24	17	16	nd	17
S-AB5.5-0304-E	10/7/2010	14:30	35	nd	nd	35
S-AB5.5-0304	10/7/2010	14:26	nd	nd	nd	nd
S-AB5.5-0405	10/7/2010	14:28	nd	nd	nd	nd
S-AB1.5-0001	10/8/2010	7:48	17,679	17,556	17,947	17,727
S-AB1.5-0102	10/8/2010	7:50	50,418	49,414	48,995	49,609
S-AB1.5-0203	10/8/2010	7:52	11,036	11,398	11,385	11,273
S-AB1.5-0304	10/8/2010	7:55	132	128	123	128
S-AB1.5-0405	10/8/2010	7:57	22	nd	nd	22
S-A2.5-0001	10/8/2010	8:33	12,917	20,954	20,540	18,137
S-A2.5-0102	10/8/2010	8:38	56,898	55,983	57,613	56,831
S-A2.5-0203	10/8/2010	8:40	43,747	44,137	44,190	44,025
S-A2.5-0304	10/8/2010	8:42	13,929	14,370	14,057	14,119
S-A2.5-0405	10/8/2010	8:44	100	119	113	111
S-A2.5-0506	10/8/2010	8:46	nd	nd	nd	nd
S-AB4-0001	10/8/2010	9:27	1,644	1,657	2,185	1,829
S-AB4-0102	10/8/2010	9:30	2,185	10,166	10,079	7,477
S-AB4-0203	10/8/2010	9:32	16,789	17,137	16,558	16,828
S-AB4-0304	10/8/2010	9:35	71,694	71,567	70,250	71,170
S-AB4-0405	10/8/2010	9:37	28,072	29,935	29,370	29,126
S-AB4-0506	10/8/2010	9:40	nd	nd	nd	nd
S-AB3.5-0001	10/8/2010	10:10	12,424	12,441	12,777	12,547
S-AB3.5-0102	10/8/2010	10:12	8,096	8,268	5,843	7,402
S-AB3.5-0203	10/8/2010	10:13	23,942	23,479	23,316	23,579
S-AB3.5-0304	10/8/2010	10:20	34,073	34,552	34,433	34,353
S-AB3.5-0405	10/8/2010	10:22	26,373	26,361	26,545	26,426
S-AB3.5-0506	10/8/2010	10:35	nd	nd	nd	nd

**Field XRF Results**  
**Jewett White Lead Company Site**

Sample ID	Date	Time	Results (ppm)			Average
			1	2	3	
S-AB2.5-0001	10/8/2010	11:10	6,798	6,918	6,854	6,857
S-AB2.5-0102	10/8/2010	11:12	55,505	58,214	49,631	54,450
S-AB2.5-0203	10/8/2010	11:14	46,421	46,345	44,688	45,818
S-AB2.5-0304	10/8/2010	11:16	nd	nd	nd	nd
S-AB2.5-0405	10/8/2010	11:18	nd	nd	nd	nd
S-MSCA1-0102	10/12/2010	9:47	19	26	18	21
S-MSCA1-0203	10/12/2010	9:49	1,546	2,611	2,327	2,161
S-MSCA1-0304	10/12/2010	9:51	15,003	2,750	3,110	6,954
S-MSCA1-0405	10/12/2010	9:53	8,698	19,359	15,518	14,525
S-MSCA1-0506	10/12/2010	9:55	1,866	26,373	23,531	17,257
S-MSCA1-0607	10/12/2010	9:57	8,691	5,085	6,960	6,912
S-MSCA1-0708	10/12/2010	9:59	5,877	13,419	2,509	7,268
S-MSCB1-0102	10/12/2010	10:10	284	799	843	642
S-MSCB1-0203	10/12/2010	10:12	705	1,009	2,440	1,385
S-MSCB1-0304	10/12/2010	10:14	19,190	3,739	2,925	8,618
S-MSCB1-0405	10/12/2010	10:16	12,286	12,258	9,891	11,478
S-MSCB1-0506	10/12/2010	10:18	13,094	10,979	14,104	12,726
S-MSCB1-0607	10/12/2010	10:20	9,088	8,873	9,000	8,987
S-MSCB1-0708	10/12/2010	10:22	8,903	11,884	9,110	9,966
S-MSCC1-0102	10/12/2010	11:20	nd	nd	nd	nd
S-MSCC1-0102-E	10/12/2010	11:20	17	nd	nd	17
S-MSCC1-0203	10/12/2010	11:22	3,522	3,533	3,465	3,507
S-MSCC1-0304	10/12/2010	11:24	19,598	20,288	15,439	18,442
S-MSCC1-0405	10/12/2010	11:26	na	na	na	
S-MSCC1-0506	10/12/2010	11:28	na	na	na	
S-MSCC1-0607	10/12/2010	11:30	na	na	na	
S-MSCC1-0708	10/12/2010	11:32	na	na	na	
S-MSCD1-0102	10/12/2010	11:46	51	45	46	47
S-MSCD1-0203	10/12/2010	11:48	57,385	55,258	55,275	55,973
S-MSCD1-0304	10/12/2010	11:50	11,247	11,101	10,985	11,111
S-MSCD1-0405	10/12/2010	11:52	6,908	6,883	6,954	6,915
S-MSCE1-0001	10/12/2010	13:30	8,104	3,354	3,281	4,913
S-MSCE1-0102	10/12/2010	13:34	5,711	5,914	5,758	5,794
S-MSCE1-0203	10/12/2010	13:36	7,727	7,487	7,670	7,628
S-MSCF1-0001	10/12/2010	14:00	701	653	692	682
S-MSCF1-0102	10/12/2010	14:02	221	263	231	238
S-MSCF1-0203	10/12/2010	14:05	137	137	150	141
S-MSCF1-0304	10/12/2010	14:10	2,371	2,281	2,232	2,295
S-MSCF1-0405	10/12/2010	14:15	3,492	3,342	3,468	3,434

**Field XRF Results**  
**Jewett White Lead Company Site**

Sample ID	Date	Time	Results (ppm)			Average
			1	2	3	
S-MSCF1-0506	10/12/2010	14:20	7,411	7,460	7,224	7,365
S-MSCF1-0506-E	10/12/2010	14:20	7,381	6,452	7,310	7,048
S-MSCF2-0001	10/12/2010	14:30	289	266	306	287
S-MSCF2-0102	10/12/2010	14:32	97	94	112	101
S-MSCF2-0203	10/12/2010	14:34	12,680	12,594	12,475	12,583
S-MSCF2-0304	10/12/2010	14:36	37,497	34,283	33,656	35,145
S-MSCF3-0001	10/12/2010	14:46	142	104	108	118
S-MSCF3-0102	10/12/2010	14:50	2,234	2,274	2,236	2,248
S-MSCF3-0203	10/12/2010	14:52	290	258	263	270
S-MSCF3-0304	10/12/2010	14:54	408	410	382	400
S-MSCE4-0001	10/13/2010	9:18	9,559	9,650	9,308	9,506
S-MSCE4-0102	10/13/2010	9:20	8,587	8,405	8,666	8,553
S-MSCE4-0203	10/13/2010	9:22	192	209	196	199
S-MSCE4-0304	10/13/2010	9:24	135	116	122	124
S-MSCE4-0405	10/13/2010	9:26	2,405	2,403	2,511	2,440
S-MSCF5-0102	10/13/2010	9:40	6,266	6,437	6,317	6,340
S-MSCF5-0203	10/13/2010	9:42	3,104	3,055	3,039	3,066
S-MSCF5-0304	10/13/2010	9:46	1,913	1,815	1,831	1,853
S-MSCF5-0405	10/13/2010	9:50	263	253	2,491	1,002
S-MSCF5-0506	10/13/2010	9:52	98	102	90	97
S-MSCF4-0001	10/13/2010	10:20	1,803	1,742	1,788	1,778
S-MSCF4-0102	10/13/2010	10:22	28,958	29,965	29,470	29,464
S-MSCF4-0203	10/13/2010		na	na	na	
S-MSCF4-0304	10/13/2010	10:24	79,940	75,766	75,192	76,966
S-MSCF4-0405	10/13/2010	10:28	100,000	100,000	100,000	100,000
S-MSCF4-0506	10/13/2010	10:30	86,401	87,198	85,731	86,443
S-MSCE3-0001	10/13/2010	10:38	380	345	403	376
S-MSCE3-0102	10/13/2010	10:40	8,103	7,910	8,075	8,029
S-MSCE3-0203	10/13/2010	10:42	686	708	678	691
S-MSCE3-0304	10/13/2010	10:44	7,105	7,008	7,176	7,096
S-MSCE2-0001	10/13/2010	11:00	214	245	228	229
S-MSCE2-0102	10/13/2010	11:02	2,435	2,460	2,482	2,459
S-MSCE2-0203	10/13/2010	11:04	1,738	2,205	2,282	2,075
S-MSCE2-0304	10/13/2010	11:06	3,939	3,767	3,881	3,862
S-MSCD2-0001	10/13/2010	11:20	255	263	262	260
S-MSCD2-0102	10/13/2010	11:22	20,613	20,693	20,813	20,706
S-MSCD2-0203	10/13/2010	11:24	7,431	7,438	7,414	7,428
S-MSCD2-0304	10/13/2010	11:26	10,558	10,421	10,442	10,474

**Field XRF Results**  
**Jewett White Lead Company Site**

Sample ID	Date	Time	Results (ppm)			Average
			1	2	3	
S-MSCD3-0001	10/13/2010	11:40	29,540	29,387	29,459	29,462
S-MSCD3-0102	10/13/2010	11:42	14,773	15,086	15,224	15,028
S-MSCD3-0203	10/13/2010	11:44	11,510	11,404	11,548	11,487
S-MSCD3-0304	10/13/2010	11:46	1,020	1,061	1,018	1,033
S-MSCD4-0001	10/13/2010	11:50	197	174	197	189
S-MSCD4-0102	10/13/2010	11:52	2,027	1,994	2,059	2,027
S-MSCD4-0203	10/13/2010	11:54	32,158	31,344	31,594	31,699
S-MSCD4-0304	10/13/2010	11:56	25,752	27,066	25,425	26,081
S-MSCD5-0001	10/13/2010	13:04	1,651	1,740	1,719	1,703
S-MSCD5-0102	10/13/2010	13:06	18,297	17,923	17,807	18,009
S-MSCD5-0203	10/13/2010	13:08	8,628	8,858	8,871	8,786
S-MSCD5-0304	10/13/2010	13:10	23,202	23,003	23,251	23,152
S-MSCD5-0405	10/13/2010	13:20	6,646	6,743	6,982	6,790
S-MSCD5-0506	10/13/2010		na	na	na	
S-MSCD5-0607	10/13/2010	13:22	14,352	23,028	23,272	20,217
S-MSCD5-0708	10/13/2010	13:24	11,650	11,289	11,618	11,519
S-MSCC5-0102	10/13/2010	13:30	14	200	209	141
S-MSCC5-0203	10/13/2010	13:32	1,938	1,837	1,854	1,876
S-MSCC5-0304	10/13/2010	13:34	3,583	3,611	3,736	3,643
S-MSCC5-0405	10/13/2010	13:40	1,681	1,749	1,678	1,703
S-MSCC5-0506	10/13/2010	13:42	269	272	281	274
S-MSCC5-0607	10/13/2010	13:44	417	434	491	447
S-MSCC5-0708	10/13/2010	13:46	415	437	455	436
S-MSCC3-0102	10/13/2010	14:18	10,227	10,206	10,060	10,164
S-MSCB4-0001	10/13/2010	14:40	564	541	568	558
S-MSCB4-0102	10/13/2010	14:42	369	366	356	364
S-MSCB4-0203	10/13/2010	14:44	13,250	12,698	12,921	12,956
S-MSCC4-0001	10/13/2010	13:54	877	921	931	910
S-MSCC4-0102	10/13/2010	13:56	12,000	10,689	11,908	11,532
S-MSCC4-0203	10/13/2010	13:58	221	272	289	261
S-MSCC4-0304	10/13/2010	14:00	159	50	nd	105
S-MSCC4-0405	10/13/2010	14:04	nd	165	161	163
S-MSCC4-0506	10/13/2010	14:08	269	nd	20	145
S-MSCB3-0001	10/14/2010	9:00	4,331	4,264	4,422	4,339
S-MSCB3-0102	10/14/2010	9:02	300	289	302	297
S-MSCB3-0203	10/14/2010	9:04	230	256	231	239
S-MSCB3-0304	10/14/2010	9:06	551	477	515	514



# Field XRF Results

## Jewett White Lead Company Site

Sample ID	Date	Time	Results (ppm)			Average
			1	2	3	
S-MSCB5-0001	10/14/2010	9:16	3,470	3,562	3,474	3,502
S-PO1-0001	10/7/2010	14:20	1,461	398	374	744
S-PO1-0102	10/7/2010	14:22	45,839	60,997	58,104	54,980
S-PO1-0203	10/7/2010	14:25	58,628	54,631	52,788	55,349
S-PO1-0304	10/7/2010	14:27	48,936	46,488	48,357	47,927
S-PO1-0405	10/7/2010	14:27	21,196	21,068	21,176	21,147
S-PO1-0506	10/7/2010	14:45	nd	nd	nd	15
S-PO1-0607	10/7/2010	14:47	nd	nd	nd	15
S-PO2-0001	10/8/2010	15:05	370	793	737	633
S-PO2-0102	10/8/2010	15:07	10,561	10,585	10,385	10,510
S-PO2-0203	10/8/2010	15:10	23,874	30,833	30,020	28,242
S-PO2-0304	10/8/2010	15:12	68,740	69,217	70,273	69,410
S-PO2-0405	10/8/2010	15:15	14,600	14,047	14,725	14,457
S-PO2-0506	10/8/2010	15:17	51	58	56	55
S-PO3-0001	10/7/2010	9:55	210	213	210	211
S-PO3-0102	10/7/2010	9:57	320	312	305	312
S-PO3-0203	10/7/2010	10:00	1,179	1,096	1,119	1,131
S-PO3-0203-E	10/7/2010	10:00	1,292	1,367	1,297	1,319
S-PO3-0304	10/7/2010	10:02	443	460	470	458
S-PO3-0405	10/7/2010	10:29	175	151	161	162
S-PO3-0506	10/7/2010	10:30	55	52	51	53
S-PO3-0607	10/7/2010	10:35	30	37	33	33
S-PO3-0708	10/7/2010	10:37	nd	nd	nd	15
S-PO3-0809	10/7/2010	10:45	357	332	342	344
S-PO3-0910	10/7/2010	10:42	36	29	44	36
S-MSC1-0102	10/14/2010	10:00	26	nd	nd	26
S-MSC1-0203	10/14/2010	10:04	12,203	12,378	12,363	12,315
S-MSC1-0304	10/14/2010	10:08	568	570	551	563
S-MSC1-0405	10/14/2010	10:12	4,610	4,540	4,536	4,562
S-MSC1-0506	10/14/2010	10:16	112	109	126	116
S-MSC1-0607	10/14/2010	10:20	377	351	342	357
S-MSC1-0708	10/14/2010	10:24	1,117	1,133	1,129	1,126
S-MSC2-0001	10/14/2010	10:48	1,057	993	1,034	1,028
S-MSC2-0102	10/14/2010	10:50	57	50	42	50
S-MSC2-0203	10/14/2010	10:52	3,436	6,430	3,610	4,492
S-MSC2-0304	10/14/2010	10:54	5,277	5,506	5,282	5,355
S-MSC2-0405	10/14/2010	10:56	5,649	5,646	5,484	5,593
S-MSC2-0506	10/14/2010	10:58	2,620	2,694	2,594	2,636
S-MSC2-0607	10/14/2010	11:00	44,723	43,780	45,449	44,651
S-MSC2-0708	10/14/2010		na	na	na	

## CONTENTS

[illegible]

Location Port Richmond, NYC Date 10-4-10

Project / Client Jewett White Lead (JWL)  
EPA

0700 - WESTON arrives at site to begin subsurface investigation and sampling of JWL site. —

Weather - Cloudy, showers ~35°F  
Present Onsite:

Joe Schmidt (US), Weston

Scott Snyder (SS), "

Joe Rizzo (JR) "

- Driller is Subsurface Environmental Technologies (SET)

Joel Bernstein (JB) JET

- Geophysical Subcontractor is Advanced Geological Services will conduct GPS/mag survey.

Ralph Rich (RR) SM<sup>1</sup>

- Peter Miller (PM) advanced

- also present Another Daniels (AD)  
WESTON.

0713- JS conducts H/S briefing

- Scope
- Soil sampling from excavator bucket.

22.1

Location Port Richmond, NYC Date 10-4-10  
 Project / Client JWL / EPA

- Level C, dust monitoring
- 2 days clean = Level D
- JS shows PM<sub>10</sub> locations to clear.

0730 - AD sets up 3K pumps for perimeter air / dust monitoring Model # 224-PCXR6.

Serials 707523, 584126,

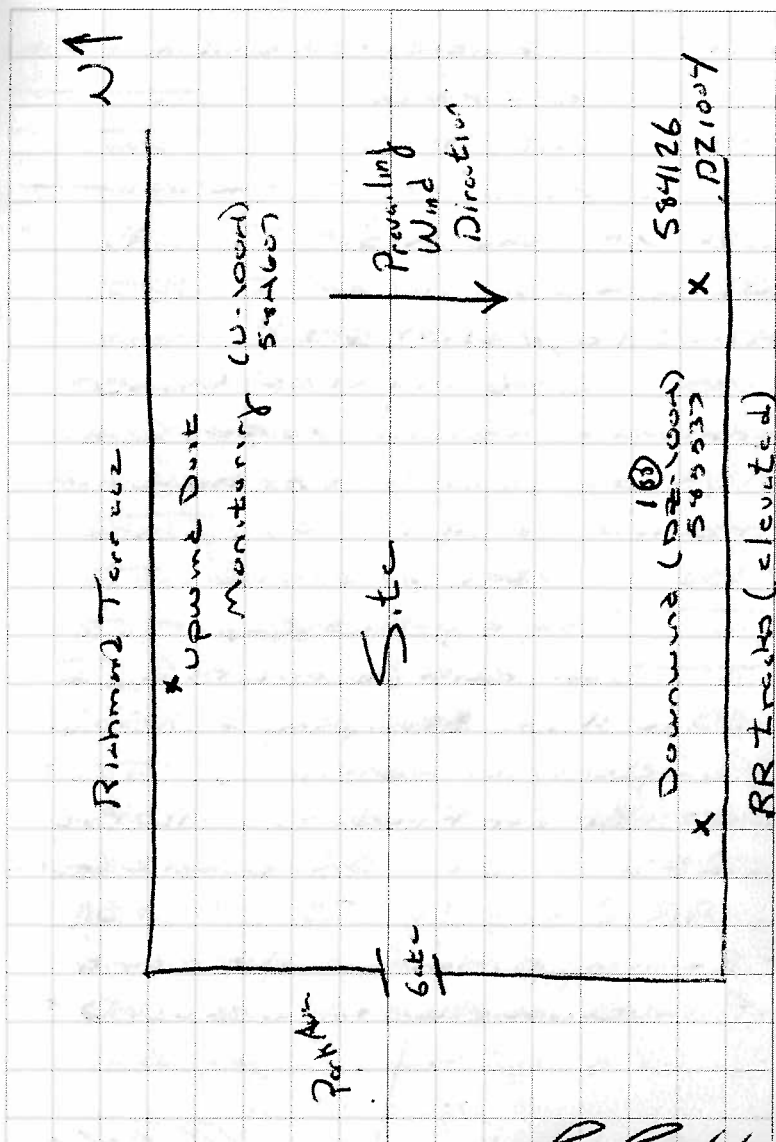
585333, 584126, 665181, 584131

- Wind is coming out of the north, therefore, dust monitoring will be set up on the south side of the site.

0800 - JS deploys 3K pumps / Filters for perimeter dust monitoring. The upwind location along north fence and Richmond Terrace. Downwind along south fence below RR tracks

0815 - We discover respirator cartridges are back at the office - we arrange further to be brought out to site. In the meantime JR sets up XR<sup>15</sup> JS, SS, AD discuss how sampling

Location Port Richmond, NYC Date 10-4-10  
 Project / Client JWL / EPA



Location Port Richmond, NYC Date 10-4-10Project / Client JWL/EPA

will be conducted. PM continues sub-surface clearance.

JS - Project Manager

SS - Field Coordinator, HSO

JR - XRF analyses

AD - Soil logging.

Kim Stayer (KS), EPA Oversight.

AGS - Andy Gillette (AG) from JET arrives as a second helper. Conduct H/S briefing with AG - have him review and sign HSO.

OSSO - Cartridges arrive. Load onto site.

AD dons Level C PPE.

• AD will use SKC pump # 707523 for personal monitoring.

1000 - AG and RR don Level C PPE

AG will wear SKC pump # 66581

RR " " " " # 584134

• Remaining personnel will remain away from excavation and in Level D.

AD //

Location Port Richmond, NYC Date 10-4-10Project / Client JWL/EPA

### Photo Log

JWL  
JWL-10-4-1: Excavating Test Pit ZA-1, looking N.

JWL  
JWL-10-4-2: Collecting S-ZA1-0001, looking N.

JWL  
JWL-10-4-3: Collecting S-ZA1-0006, looking N.

JWL  
JWL-10-4-4: ZA-1, looking west.

JWL-10-4-5: Decoupling excavator.

JWL-10-4-6: Excavating AB-2, looking N.

JWL-10-4-7: Collecting soil from AB-2, looking south.

JWL-10-4-8: Collecting soil from excavator bucket [AB-2], looking N.

JWL-10-4-9: AB-2, looking E.

JWL-10-4-10: Excavating @ Test Pit BC-1, looking East.

JWL-10-4-11: Collecting soil from BC-1 south side wall, looking E.

JWL-10-4-12: Collecting soil from bucket [BC-1], looking E.

JWL-10-4-12/13: BC-1, looking E.

Location Port Richmond, NYC Date 10-4-10  
 Project / Client JWL/EPA

1015 - Begin excavation & test pit

2A-2

- AG, RR layout plastic sheeting
- RR operates excavator.
- Excavated soil placed on plastic sheeting.

1030 - AD collects soil sample

S-2A1-0001

- North side wall ~~at~~ <sup>0-1' @</sup> bgs
- Excavation trends East ~~to~~ West
- Collected with dedicated scoop.

1035 - AD collects soil sample

S-2A1-0102

1040 - AD collects soil sample

S-2A1-0203

0102 and 0203 also from north side wall.

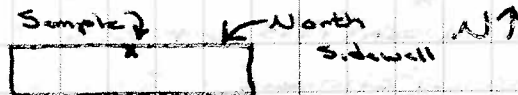
1045 - AD collects soil sample

S-2A1-0304

- Sample collected from excavator bucket.

10.11

Location Port Richmond, NYC Date 10-4-10  
 Project / Client JWL/EPA



2A-2

1030 - JS instructs SET to attempt to dig to 8'.

- AD collects soil sample

S-2A1-0405

- Sample collected from excavator bucket using a plastic scoop.
- Note KS requests that both 2-3 and 3-4 intervals be used to determine lead impact (800 ppm) and to continue to 8 feet.

1035 - AD collects soil sample

S-2A1-0506

- From bucket, plastic scoop.

1100 - AD collects soil sample

S-2A1-0607

1105 - AD collects soil sample

S-2A1-0708

10.11

Location Port Richmond, NYC Date 10-4-10Project / Client JWL/EPA

1110 - SET Deadfills 2A-1

All sample relinquished to JR for XRF analysis.

1135 - SET decans excavator using high pressure steam.

1150 - SET breaks for lunch.

JR departs to pl lunch

1215 - SET returns to site.

1225 - Wood back into site.

JR returns.

- After XRF analysis, samples kept on ice and kept @ 4°C.

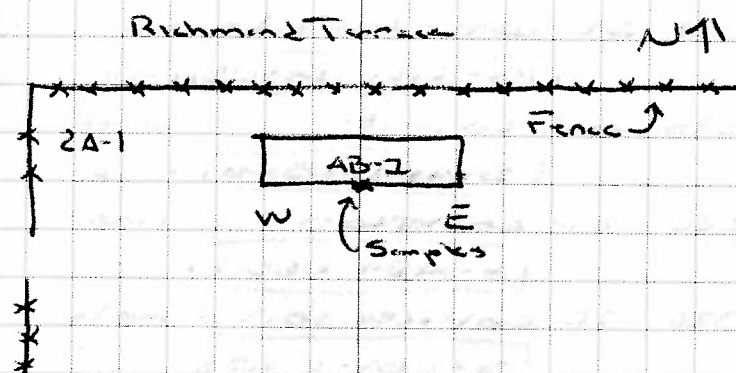
1230 - RR positions excavator @ loc.

AB-1

- RR, AD lay out plastic sheeting

1235 - RR begins excavating - trench trending east to west.

1240 - Excavator encounters a remnant of a concrete foundation. JS asks RR to expand the trench to the north toward the fence.

Location Port Richmond, NYC Date 10-4-10Project / Client JWL/EPA

1250 - AD collects soil sample

S-AB1-0001

1255 - AD collects soil sample

S-AB1-0102

1300 - AD collects soil sample

S-AB1-0203

- All three samples collected from south sidewalk using dedicated plastic scoops.

1305 - AD collects soil sample

S-AB1-0304



Location Port Richmond, NYC Date 10-4-10Project / Client JWL/EPA

1310 - AD collects soil sample

S-ABI-0405

1315 - AD collects soil sample

S-ABI-0506

1320 - AD collects soil sample

S-ABI-0607

1325 - AD collects soil sample

S-ABI-0708

All five samples collected directly from excavator bucket, using dedicated plastic scoops.

All samples relinquished to JR for XRF analysis. Then pit once and kept @ 4°C.

1330 - RR backfills AB-2.

1340 - RR decans bucket using high pressure steam.

1345 - RR moves excavator to Test Pit

BC-2

1355 - Lay out plastic sheeting - begin excavating.

DD 10/4/10

Location Port Richmond, NYC Date 10-4-10Project / Client JWL/EPA

Richmond Terrace N ↑

\*\*\*\*\*  
 ↑ Fence

BC-2

W ↑ E

Samples

- Test Pit BC-2 E. ends W. side.
- AD collects samples from south sidewall.

1400 - AD collects soil sample

S-BC2-0001

1403 - AD collects soil sample

S-BC2-0102

1406 - AD collects soil sample

S-BC2-0203

- All 3 samples collected from BC-1 south sidewall

1415 - AD collects soil sample

S-BC2-0304

1417 - AD collects soil sample

S-BC2-0405

Location Port Richmond, NYCDate 10-4-10Project / Client JWL/EPA

13 1420- AD collects soil sample

S-BCI-0506

13 1423- AD collects soil sample

S-BCI-0607

13 1427- AD collects soil sample

S-BCI-0708

13

All Five samples collected directly  
from excavator bucket using dedicated  
plastic scoops.

- Relinquish samples to JR for XRF  
analysis, they put on ice and kept  
@ 4°C.

1435- RR backfills BC-1.

13 1445- RR deems excavator with

high pressure steam and skid wash.

1455- JR relinquishes samples to SS.

13 SS tags / dates two custody seals  
and seal cooler containing samples.

13 - AD collects filters from <sup>at SKC</sup> pumps.  
JS will ship filters to the lab for  
lead analysis.

DD 11

Location Port Richmond, NYCDate 10-4-10Project / Client JWL/EPA

1515- All depart site

Note: Samples will be kept on  
ice and under custody-locked  
in van overnight.

End Day

R. R. R. R.



Location Port Richmond, N.Y.C. Date 10-5-10  
 Project / Client JWL/EPA

13 0700 - WESTON and SET arrive at site to continue subsurface investigation.

13 Note: Custody seals on sample cooler are intact.

13 Weather - Cloudy, damp, scattered showers ~ 50°F.

Today's Personnel:

Scott Snyder (SS) - WESTON -

Field Coordinator, ASD.

Anthony Danich (AD) - WESTON -  
 Sampler, Soil Logging.

Joe Rizzo (JR) - XRF operator

Ralph Rich (RR) - Excavator operator

Andy Gillette (AG) - Helper

0715 - AD sets up SKC pumps/filters.

Prevailing wind direction is out of the north, therefore, dust monitors will be placed in the same positions as yesterday. AD and AG will also wear the pumps and don Level C PPE.

*R. P. 10/5/10*

Location Port Richmond, N.Y.C. Date 10-5-10  
 Project / Client JWL/EPA

0720 - Kim Stayer, EPA arrives. JR sets up XRF.

0725 - Conduct W/S briefing

- Lead • WSP Location
- Proper PPE
- Awareness of excavation, traffic
- Dust monitoring.

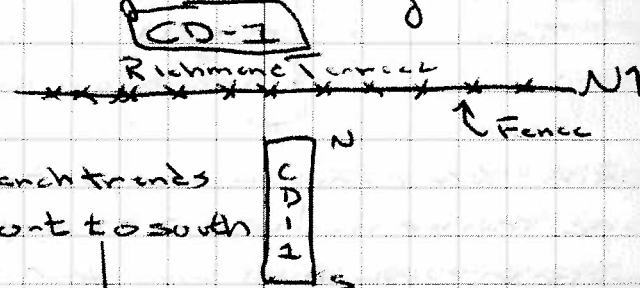
- Dust Monitoring

AD - SKC - 707523 [S-1005]

AG - Note: Joe S. OK'd no pump for either AG or RR due to working away from excavation; therefore, only AD will wear the pump.

0740 - We decide to have RR wear a pump / filter as per WSP

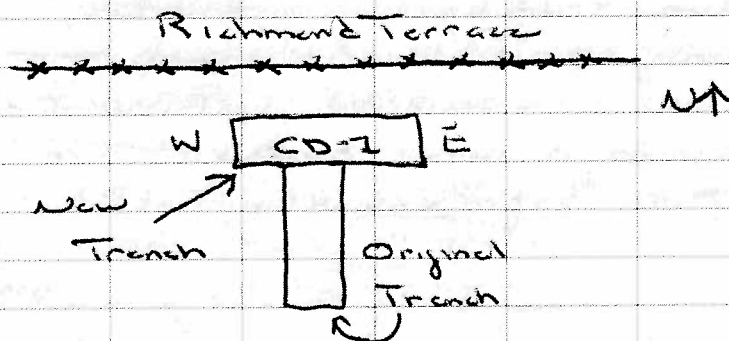
0750 - Begin excavating Test Pit



*R. P. 10/5/10*

Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPA

- 13 0755: Excavator encounters concrete at approx 25' depth. Creates dust.
- 13 We <sup>ask</sup> set to be ready to suppress the dust due to the trench's proximity, to the site boundary.
- 13 RR states he's not likely to get any deeper. We reposition excavator east of original trench and start a new one trending E-W in an attempt to avoid the concrete foundation.



- 13 0805: AG maneuvers support truck and trailer near CD-2 to supply water in case dust suppression is required.

DDinklin

Location Port Richmond, NYC Date 10-5-5Project / Client JWL/EPA

## Photo Log

- JWL-10-5-14: Excavating CD-2, looking North.
- JWL-10-5-15: Collecting soil from CD-2, looking East.
- JWL-10-5-16: XRF station.
- JWL-10-5-17: Collecting soil from bucket @ CD-2, looking NE.
- JWL-10-5-18: Digging excavator bucket, looking S.
- JWL-10-5-19: Excavator at DE-1, looking NE.
- JWL-10-5-20: Collecting soil from DE-1, looking NE.
- JWL-10-5-21: Collecting soil from bucket @ DE-1, looking NE.
- JWL-10-5-22: DE-1, looking E.
- JWL-10-5-23: Excavating EF-2, looking NE.
- JWL-10-5-24: Collecting soil from EF-2, looking NE.
- JWL-10-5-25: Excavator @ EF-25, looking SE.

Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPA

13 • Advance to 3' depth - no foundation

0810 - AD begins collecting soil

13 samples from south sidewall.

0812 - AD collects soil sample

13 S-CD1-0001

0814 - AD collects soil sample

13 S-CD1-0102

0816 - AD collects soil sample

S-CD1-0203

✓  
- All 3 samples collected from south sidewall of CD-1 using dedicated plastic scoops.

- Relinquish samples to JR for XRF.

- Excavate to 4'.

12 0820 - AD collects soil sample

S-CD1-0304

12 0825 - AD collects soil sample

S-CD1-0405

12 0830 - AD collects soil sample

S-CD1-0506

R.P. 10/5/10

Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPA

0832 - AD collects soil sample

S-CD1-0607

0834 - AD collects soil sample

S-CD1-0708

- All 5 samples collected from excavator bucket using dedicated scoops. Relinquish to JR for XRF.

0840 - RR backfills CD-2

- We review XRF results. KS decides to go down to at least 5' depth on the next test pit.

0840 - AG decans excavator bucket with high pressure steam / alconox scrub.

0910 - RR moves excavator to Test Pit location DE-1. Due to piles of debris, the location will be moved ~10' east.

0915 - Begin excavating.

0925 - AD begins collecting soil from south sidewall.

R.P. 10/5/10

Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPALocation Port Richmond, NYC Date 10-5-10Project / Client JWL/EPA

13 0925-AD collects soil sample

S-DE1-0001

13 0927-AD collects soil sample

S-DE1-0102

13 0930-AD collects soil sample

S-DE1-020313 All 3 samples collected from DE-1  
south sidewall using dedicated scoops.  
Relinquish to RR for XRF.

0935-AD collects soil sample

S-DE1-0304

0938-AD collects soil sample

S-DE1-0405

0940-AD collects soil sample

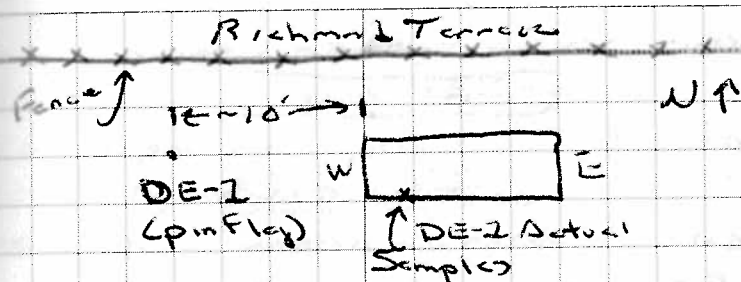
13 0943(3) S-DE1-050613 ~~0945~~ AD collects soil sampleS-DE1-0607

13 0946-AD collects soil sample

S-DE1-0708

13 All 5 samples collected from excavator bucket using dedicated scoops.

DD Pink 1.1

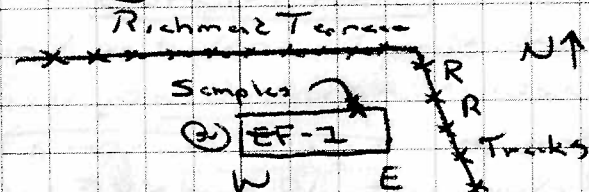


- Relinquish samples to RR for XRF

0950-RR backfills DE-1

1005-AG deems excavator bucket  
using high pressure steam / alcohol  
scrub.1015-RR begins excavating at  
Test Pit EF-1 - Trenching E-W

(3)

1025-AD begins collecting  
soil from north sidewall

1026-AD collects soil sample

S-EF1-0001

Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPA

13 1030 AD collects soil sample

3-<sup>Ⓢ</sup>EF1-0102

12 1033 AD collects soil sample

3-<sup>Ⓢ</sup>EF1-020313 All 3 samples collected from  
EF-1 north sidewall using12 dedicated plastic scoops. Relinquish  
samples to JR for XRF"Wall stop @ 5' depth and wait  
for XRF results."

1035 AD collects soil sample

3-<sup>Ⓢ</sup>EF1-0304

1038 AD collects soil sample

3-<sup>Ⓢ</sup>EF1-0405Both samples collected from  
excavator bucket using dedicated  
12 scoops.

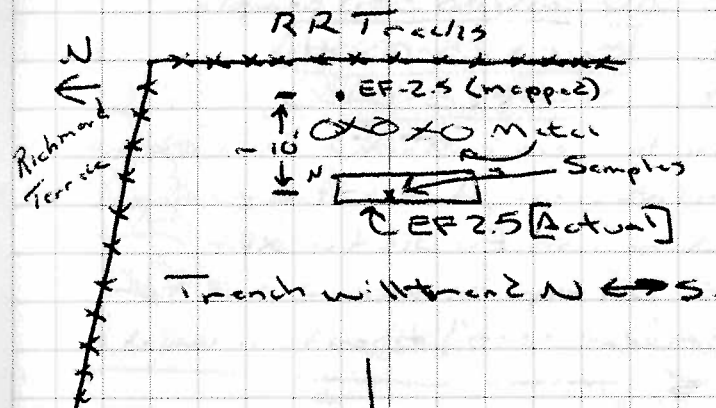
Relinquish to JR for XRF.

12 Note: The above location is  
actually location F-1 [see corrections  
1 above].Note - XRF indicates non-detect  
for 3'-4' and 4'-5', therefore we'll  
skip 3'-5' → 11Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPANote: Due to the proximity of  
DE-1 and F-1, KS <sup>Directs</sup> ~~directs~~ us  
to skip EF-1.

1110 - RR backfill F-1

1125 - AG designs excavator bucket  
using high pressure steam / electrox  
scrub.

1130-1200 - Break for lunch.

1210 - RR moves excavator to  
Test Pit EF-2.5. Due to pile  
of metal debris the test pit will  
be relocated ~10' west of  
mapped location.

10/5/10



Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPA

1220 - Begin excavating  
 1225 - Advance to 3' depth. AD begins collecting soil from west sidewall.

1227 - AD collects soil sample

S-EF2.5-0001 (5)

1230 - AD collects surface soil sample

S-EF2.5-0102

1233 - AD collects soil sample

S-EF2.5-0203

- All 3 samples collected from west sidewall of EF-2.5 using dedicated scoops. Relinquish samples to JR for XRF.

1235 - AD collects soil sample

S-EF2.5-0304

1238 - S-EF2.5-0405

Bath samples collected from excavation bucket using dedicated scoops.

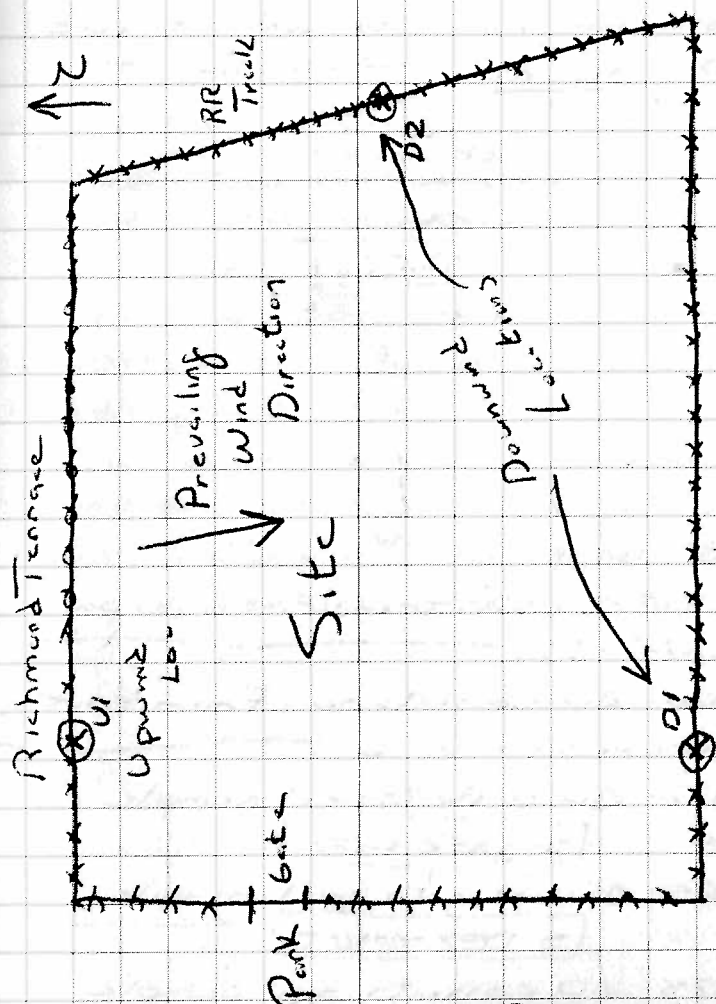
Relinquish to JR for XRF.

1255 - JR reports non-detect for 3'-4' and 4'-5'; therefore will stop at 5'.

- RR backfill EF-2.5.

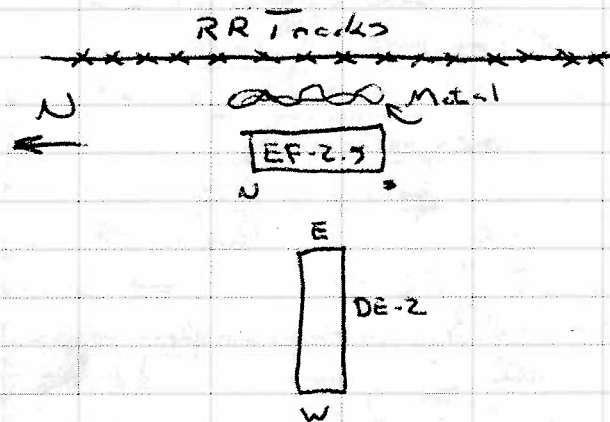
Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPA

Today's Perimeter  
 Dust Monitoring



Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPA

1. 1305- AD demo excavator bucket using high pressure steam / alcohol scrub -
1. 1310- RR moves excavator to Test Pit DE-2



- DE-2 will trend E-W perpendicular to EF-2.5.
1. 1320- AD collects soil from south sidewall of DE-2.
1. 1322- AD collects soil sample S-DE2-0001
1. 1325- AD collects soil sample S-DE2-0102
- 1328- AD collects soil sample S-DE2-0203

Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPA

## Photo Log (cont)

- JWL-10-5-26: Collecting soil @ EF-2.5, looking S.
- JWL-10-5-27: EF-2.5, looking S
- JWL-10-5-28: Excavator at DE-2, looking SE.
- JWL-10-5-29: Collecting soil from DE-2, looking S.
- JWL-10-5-30: DE-2, looking S
- JWL-10-5-31: Excavator @ CD-1.5, looking NE.
- JWL-10-5-32: Collecting soil from bucket @ CD-1.5, looking SE.
- JWL-10-5-33: CD-1.5, looking SE

R. R. 10/5/10

Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPA

- All three soil samples collected from south sidewall of DE-2 using dedicated scoops. Relinquish to JR for XRF.

1333 - AD collects soil sample

S-DE2-0304

1335 - AD collects soil sample

S-DE2-0405

Both samples collected from the excavator bucket using dedicated scoop. Relinquish to JR for XRF.

1335 - JR reports low concentrations and non-detects - so will stop at 5'. RR backfills DE-2.

1405 - AG decans excavator bucket with high pressure steam/alconox scrub.

1410 - RR moves excavator to Test Pit

CD-1.5

1415 - Begin excavating

\* Encounter concrete slab at ~ 1' depth.

PP note

Location Port Richmond Date 10-5-10Project / Client JWE/EPA

- RR is able to break through.  
1425 - AD begins collecting soil from south sidewall of CD-1.5  
Trench trends E ↔ W

Richmond Terrace N ↑

W CD-1.5 E  
↑  
Samples

1427 - AD collects soil sample

S-CD1.5-0001

1430 - AD collects soil sample

S-CD1.5-0102

1432 - AD collects soil sample

S-CD1.5-0203

- All 3 samples collected from south sidewall of CD-1.5 using dedicated scoops.

PP note



Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPA

1445- AD collects soil sample

S-CD1.5-0304

1447- AD collect soil sample

S-CD1.5-0405JR reports only 4'-5' is non-detect;  
therefore will go down another foot.

1455- AD collects soil sample

S-CD1.5-0506

JR reports XRF for 5'-6' = ND.

1500- RR backfills CD-1.5

- Pick up for the day.
- AG down truck tires before departing site.

- All samples put on ice. JR relinquishes samples to SS. SS coats dry soil with wax.

They will be locked in the van overnight.

1525- SS departs site. AD, JR, and

SET remain to close up site.

1530- Arrive back at office. Ship  
dust filters to EMSL via FedEx.End Day

DD 11/11

Location Port Richmond, NYC Date 10-5-10Project / Client JWL/EPA0700- WESTON and SET arrive on  
site to continue subsurface investigation  
and sampling.Weather - Mostly cloudy, damp cool,  
scattered showers, ~50°F.

- AG reports RR is running late.

- JR departs site for Home Depot.

- KJ requested we buy a tarp to cover  
an exposed soil pile.

- AD sets up SHC pumps/filters  
for perimeter and personal monitoring.

- Today's Sample Nos.

U-1006 [584607] - upwind loc.

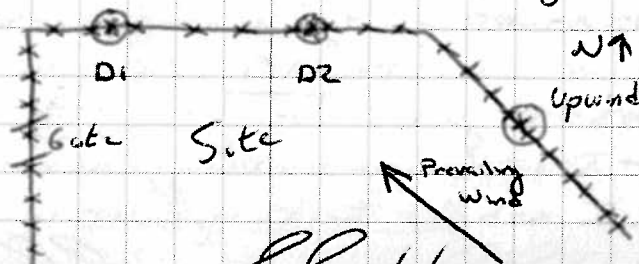
D1-1006 [585533] downwind #1

D2-1006 [584126] downwind #2

O-1006 [584134] operator - RR

S-1006 [707523] sampler - AD

- Wind is out of the S-SE today



DD 11/11

Location Port Richmond, NYC Date 10-6-10Project / Client JWL/EPA

0725 - KS arrives at site.

Note: Excavator bucket damaged after yesterday's sampling.

0800 - SS and KS discuss Rinsates.

KS decides that rather than collect a Rinstate from the dedicated scoops we will minimize that total collected to damaged equipment.

- Excavator bucket
- Geoprobe cutting shoe
- Hollow-stem Auger
- Low Flow pump

0810 - RR arrives

0815 - Conduct H/S briefing.

- COCs
- Excavator safe distance.
- Location of HASP.
- Stepping upwind of Test Pits.

0820 - RR positions excavator at

BC-15

0830 - Begin excavating.

- Dust (minor) is being generated.
- I ask AK to bring over water

DD 11

Location Port Richmond, NYC Date 10-6-10Project / Client JWL/EPA

For dust suppression.

0840 - Air moves trailer into position adjacent to BC-15 in order to spray water.

Late Entry: SS observed that the custody seals on the sample coolers were intact.

0845 - Resume excavating w/ dust suppression.

0850 - Advances to 3' depth. AD begins collecting soil from north sidewall (trench oriented E-W).

0852 - AD collects soil sample

S-BC15-0001

0854 - AD collects soil sample

S-BC15-0102

0856 - AD collects soil sample

S-BC15-0203

All 3 samples collected from BC-15 north sidewall using dedicated scoops.

0900 - AD collects soil sample

S-BC15-0304

DD 11

Location Port Richmond, NYC Date 10-6-10Project / Client JWL/EPA

0902 - AD collects soil sample

S-BC-1.5-0403

- Both samples collected from exc. bucket using dedicated scoops.
- Relinquish all S samples to JR for XRF.
- Will wait for results before proceeding.

0920 - JR reports low conc. / non-detect for the 3'-4' and 4'-5' intervals. Therefore will stop @ 3'.

- RR backfills BC-1.5
- AD, JR rapinoh ice for both coolers.
- Samples kept @ 4°C.

0935 - RR / AG down exc. bucket using high pressure steam / alconox scrub.

0942 - RR positions exc. at Test Pit

AB-1.5

0945 - Begin excavating.

- AG provides dust suppression.
- 0950 - Advance to 3' depth. AD begins collecting soil from north side wall (test pit oriented E ← W).

DD 11

Location Port Richmond, NYC Date 10-6-10Project / Client JWL/EPA

Photo Log (cont)

JWL-10-6-34: Refilling decant tubs with fresh water.

JWL-10-6-35: Excavator @ BC-1.5, looking E.

JWL-10-6-36: Dust suppression @ BC-1.5, looking E.

JWL-10-6-37: Collecting soil from BC-1.5, looking E.

JWL-10-6-38: Collecting soil from exc. bucket @ BC-1.5, looking E.

JWL-10-6-39: BC-1.5, looking E.

JWL-10-6-40: Exc. @ AB-1.5

JWL-10-6-41: Dust suppression @ AB-1.5, looking E.

JWL-10-6-42: Collecting soil from AB-1.5, looking E.

JWL-10-6-43: Collecting soil from exc. bucket @ AB-1.5, looking NE.

JWL-10-6-44: AB-1.5, looking E.

JWL-10-6-45: Decanting exc bucket, looking E.

R.R. 10/6/10

Location Port Richmond, NYC Date 10-6-10Project / Client JWL/EPA

0952- AD collects soil sample

S-AB1.5-0001

0954- AD collects soil sample

S-AB1.5-0102

0956- AD collects soil sample

S-AB1.5-0203All 3 samples collected from north  
sidewalk of AB1.5.

Using dedicated scoops.

Relinquish to JR for XRF.

1000- AD collects soil sample

S-AB1.5-0304

1002- AD collects soil sample

S-AB1.5-0405

- Both samples collected from exc. bucket

Using dedicated scoops.

- Relinquish to JR for XRF.

- Put samples on ice.

1020- JR reports low concentrations

@ 3'-4' and 4'-5' intervals.

- RR backfills AB1.5.

1035- AG deems exc. bucket using  
high pressure steam /alcon scrub.

DD "

Location Port Richmond, NYC Date 10-6-10Project / Client JWL/EPA

1045- Head out to Test Pit loc.

A-5.5- A pile of road/asphalt millings  
partially obstructs loc. A-5.5. RR  
positions exc. on top of pile.- RR scrapes away road millings  
that have migrated over A-5.5.110- RR breaks through millings,  
begins to excavate trench.- Begin generating dust - ask AG  
to bring over hose.1120- Resume excavating w/ dust  
exposure1125- Advancer to 3' depth AD  
begins to collect soil from north  
sidewalk (test pit is oriented E-W).

1127- AD collects soil sample

S-A5.5-0001

1130- AD collects soil sample

S-A5.5-0102

1132- AD collects soil sample

S-A5.5-0203

RR 10/6/10

Location Port Richmond, NYC Date 10-6-10Project / Client JWL/EPA

- All 3 samples collected from the sidewall (north) of A-55. —
- Relinquish to JR for XRF. —
- Put samples on ice. —

1136 - AD collects soil sample

S-A55-0304

1138 - AD collects soil sample

S-A55-0405

Both samples collected from exc. —

bucket with dedicated scoops. —

- Relinquish to JR for XRF. —

- Put samples on ice. —

1150 - JR reports NDE 2'-3' and 3'-4'.

Will Stop @ 5' —

1200 - 12:30 - break for lunch. —

1230 - RR back fills A-55, then decons exc. bucket using high pressure steam /  
@ scrub  
aluminum.

1240 - RR positions exc. @ Test Pit

2A-4

- The pin flag is sit'd in the milling pile. We will attempt to excavate the test pit between the pile and the fence. — PP 10/6/10

Location Port Richmond, NYC Date 10-6-10Project / Client JWL/EPA

## Photo Log (cont)

JWL-10-6-46: Excavator outtop of milling pile @ A-55, looking S. —

JWL-10-6-47: Collecting soil from A-55, looking S. —

JWL-10-6-48: Exc @ 2A-4, looking SW. —

JWL-10-6-49: Collecting soil from 2A-4, looking SW. —

JWL-10-6-50: Collecting soil from exc. bucket @ 2A-4, looking SE. —

JWL-10-6-51: 2A-4, looking S. —

JWL-10-6-52: 2A-3.5, looking W. —

PP 10/6/10



Location Port Richmond, NYC Date 10-6-10Project / Client JWL/EPA

2A-4 will be located ~5' west of  
 ← logged location.

1255- AD advances to 3' depth AD begins  
 soil collection from east sidewall.

1257- AD collects soil sample

S-2A4-0001

1300- AD collects soil sample

S-2A4-0102

1302- AD collects soil sample

S-2A4-0203

- All 3 samples collected from 2A-4  
 east sidewall, using dedicated scoops
- Relinquish to JR for XRF.
- Samples on ice.

1305- AD collects soil sample

S-2A4-0304

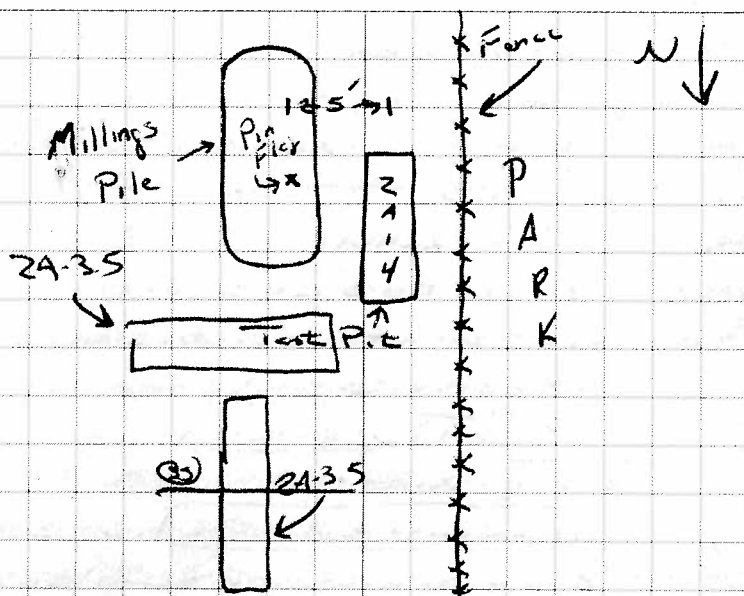
1308- AD collects soil sample

S-2A4-0405

Both samples collected from exc. bucket  
 using dedicated scoops.

- Relinquish to JR for XRF.
- Samples on ice.

RP 10/6/10

Location Port Richmond, NYC Date 10-6-10Project / Client JWL/EPA

1330- JR reports high (low) concen-  
 trations, therefore will advance to  
 8' depth.

1334- AD collects soil sample

S-2A4-0506

1336- AD collects soil sample

S-2A4-0607

1340- AD collects soil sample

S-2A4-0708

- JR backfills test pit

RP 10/6/10

Location Port Richmond, NYC Date 10-6-10Project / Client JWL/EPA

1400- RR decons exc. bucket using  
high pressure steam / alcon scrub.

1405- RR moves excavator to Test  
Pit 2A-3.5

1408- Begin excavating

1415- Advance to 3' depth, AD begins  
to collect soil from south sidewall.

1416- AD collects soil sample

S-2A35-0001

1418- AD collects soil sample

S-2A35-0102

1420- AD collects soil sample

S-2A35-0203

- All 3 samples collected from south  
sidewall using dedicated scoops.
- Relinquish samples to JR for XRF
- Samples on ice.

1425- AD collects soil sample

S-2A35-0304

1428- AD collects soil sample

S-2A35-0405

1430- AD collects soil sample

S-2A35-0506

1

DD.1.1

Location Port Richmond, NYC Date 10-6-10Project / Client JWL/EPA

1432- AD collects soil sample

S-2A35-0607

1435- AD collects soil sample

S-2A35-0708

- RR backfills 2A-3.5

Above 5 samples collected from exc.  
bucket using dedicated scoops.

- Relinquish to JR for XRF.

- Samples on ice.

1445- AD retrieves skpumps/filters  
and relinquishes them to SS.

1450- JR relinquishes soil samples to SS

- SS custody scrub sample coolers.

- RR decons excavator bucket using  
high pressure steam / alcon scrub.

1500- Pickup.

1525- All depart site

1600- Arrive back at office. Fill  
out COL and ship dust filters to  
EM32 via FedEx.

End Day

R.P. 10/6/10

Location Port Richmond, NYC Date 10-7-10Project / Client JWL/EPA

0700. WESTON and SET arrive at site to continue subsurface investigation and sampling.

Weather: Mostly clear, ~50°F. —

Same staff as the previous days.

Julissa Morales (JM), WESTON will arrive later as additional personnel to allow simultaneous monitoring well install and test pit excavation.

0710 - AD sets up 5K pumps/filters for today's dust monitoring. Wind is out of the south.

0725. AD deploys perimeter dust monitors at same locations as yesterday.

0730 - Brian Sichter (BS) arrives from SET with a drilling rig for monitoring well installation.

0735 - Conduct W/S briefing

- CCGs
- Location of WSP
- Down vehicles present leaving site.
- Excavator/drilling awareness.

Location Port Richmond, NYC Date 10-7-10Project / Client JWL/EPA

### Photo Log

JWL-10-7-53: Decoding exc. bucket, looking SE.

JWL-10-7-54: Collecting Rincoat RBO1 from exc. bucket.

JWL-10-7-55: Exc. @ D-4, looking E —

JWL-10-7-56: Collecting soil from D-4, looking S.

JWL-10-7-57: Collecting soil from exc. bucket @ D-4, looking SE.

JWL-10-7-58: D-4, looking S.

JWL-10-7-59: Excavator @ CD-3, looking SE.

JWL-10-7-60: Collecting soil from CD-3, looking S.

JWL-10-7-61: Collecting soil from bucket @ CD-3, looking S.

JWL-10-7-62: CD-3, looking S.

JWL-10-7-63: Drilling @ PO-3, looking E.

JWL-10-7-64: Exc. @ BC-2.5, looking NW.

JWL-10-7-65: Collecting soil from BC-2.5, looking E.

*R. P. 10/10*



Location Port Richmond, NYC Date 10-7-10Project / Client JWL/EPA

0750- RR uses excavator to remove debris at MW location PO-3

in the NE corner of the site.

0800-0815- Walk s.t. with BS to scout MW locations.

0820- RR downs exc. bucket with high pressure steam/alumina scrub -

0825- AD/SS collect Rinco-Blink

RB01

from decontam. exc. bucket.

0835- JR reports previously collected samples with fresh ice.

Note: SS observed that custody seals on the sample coolers were intact this morning.

0840- RR moves excavator into position at Test Pit D-4.

0840- BS and JD down hollow stem augers for MW installation.

- Begin excavating D-4.

0850- Advance to 3'. AD begins collecting soil from west side wall. Test pit is oriented NE-SS.

DD 10/7/10

Location Port Richmond, NYC Date 10-7-10Project / Client JWL/EPA

0852- AD collects soil sample

S-D4-0001

0854- AD collects soil sample

S-D4-0102

0856- AD collects soil sample

S-D4-0203

- All 3 samples collected from west sidewall of D-4, using dedicated plastic scoops.

- Relinquish samples to JR for XRF.

- Samples on ice.

0900- AD collects soil sample

S-D4-0304

0902- AD collects soil sample

S-D4-0405

0904- AD collects soil sample

S-D4-0506

0906- AD collects soil sample

S-D4-0607

0908- AD collects soil sample

S-D4-0708

0910- RR backfills D-4.

RP 10/7/10

Location Port Richmond, NYCDate 10-7-10Project / Client JWL/EPA

0910- JM arrives at site. SS provides WASP for her to review. —

- All 5 samples collected from exc. bucket using dedicated scoops. —
- Relinquish to JR for XRF. —
- Samples on ice. —

0925- RR decans exc. bucket using high pressure steam/alcanox scrub.

0930- RR moves exc. into position & Test Pit CD-3 —

0932- Bgm excavating. Test pit oriented W ← S. —

0935- Advance to 3' depth, AD begins collecting soil from west sidewall.

0940- BS begins work on R-3. MW installation will be documented by JM in a separate logbook. —

0942- AD collects soil sample S-CD3-0001

0944- AD collects soil sample S-CD3-0102

0946- AD collects soil sample S-CD3-0203

Location Port Richmond, NYCDate 10-7-10Project / Client JWL/EPA

- All 3 samples collected from west sidewall of CD-3, using dedicated scoops. —

- Relinquish to JR for XRF. —
- Samples on ice. —

0952- AD collects soil sample

S-CD3-0304

0954- AD collects soil sample

S-CD3-0405

0956- AD collects soil sample

S-CD3-0506

0958- AD collects soil sample

S-CD3-0607

1000- AD collects soil sample

S-CD3-0708

All 5 samples collected from the exc. bucket using dedicated scoops. —

- Relinquish to JR for XRF. —
- Samples on ice. —

1010- RR backfills CD-3

then decans exc. bucket using high pressure steam/alcanox scrub.

R. 10/1/10

Location Port Richmond, NYC Date 10-7-10Project / Client JWL/EPA

1015- Begin excavating @ Test P.t

BC-2.5

- Test p.t oriented E↔W

1025- Advance to 3' depth. AD begins collecting soil from south sidewall.

1028- AD collects soil sample

S-BC2.5-0001

1030- AD collects soil sample

S-BC2.5-0102

1032- AD collects soil sample

S-BC2.5-0203

- All 3 samples collected from south sidewall using dedicated scoops
- Relinquish to JR for XRF.
- Samples on ice.

1035- AD collects soil sample

S-BC2.5-0304

1038- AD collects soil sample

S-BC2.5-0405

Both samples collected from exc. bucket using dedicated scoops.

- Relinquish to JR for XRF
- Samples on ice.

PD,,

Location Port Richmond, NYC Date 10-7-10Project / Client JWL/EPA

Photo Log (cont)

JWL-10-7-06 - see MW logbook

*Photo Log*

Location Port Richmond, NYC Date 10-7-10Project / Client JWL/EPA

1100 - JR reports 3'-4' and 4'-5' are below 800 ppm; therefore will stop @ 5' and backfill.

1125 - RR positions excavator @ Test Pit

BC-4

Late Entry: JS called to say dust monitor results indicate we can down grade to Level D1.

1130 - Bgin excavating @ BC-4.

1140 - Advance to 3' depth. AD begin collecting soil from the north sidewall.

Test pit is oriented SWE → NE.

1142 - AD collects soil sample

S-BC4-0001

1144 - AD collects soil sample

S-BC4-0102

1146 - AD collects soil sample

S-BC4-0203

All 3 samples collected from north sidewall using dedicated scoops.

- Relinquish to JR for XRF.

- Samples on ice.

RP 10/17/10

Location Port Richmond, NYC Date 10-7-10Project / Client JWL/EPA

1150 - AD collects soil sample

S-BC4-0304

1152 - AD collects soil sample

S-BC4-0405

1200-1230 - Break for lunch

1230 - JR reports 7800 ppm for 4'-5' so will go to 8' in BC-4.

1240 - Resume excavating @ BC-4

1244 - AD collects soil sample

S-BC4-0306

1246 - AD collects soil sample

S-BC4-0607

1248 AD collects soil sample

S-BC4-0708

⑨  
0'-3' collected from north sidewall, 3'-8' collected from exc. bucket. Using dedicated scoops.

- Relinquish to JR for XRF.

- Samples on ice.

1255 - RR backfills BC-4.

1305 - RR decontaminate bucket with high pressure steam/alconox scrub.

RP 10/17/10

Location Port Richmond, NYC Date 10-7-10Project / Client JWL/EPA

1310 - RR positions excavator &amp; Test Pit

C-4

- Test pit is oriented E↔W.

1315 - Begin excavating.

1320 - Advocate to S, AD begins to collect soil from north sidewall.

1322 - AD collects soil sample

S-CH-0001

1324 - AD collects soil sample

S-CH-0102

1326 - AD collects soil sample

S-CH-0203

- All 3 samples collected from north sidewall using dedicated plastic scoops.

- Relinquish to JR for XRF.

- Samples on ice.

1330 - AD collects soil sample

S-CH-0304

1332 - AD collects soil sample

S-CH-0405

- JR reports 4'-5' interval is ND.

- Will go down another foot.

Location Port Richmond, NYC Date 10-7-10Project / Client JWL/EPA

1345 - Go down another 1' AD collects soil sample

S-CH-0506

- Relinquish to JR for XRF.

- JR reports ND - will stop @ 6'.

1405 - RR decans excavator bucket using high pressure steam / alconox scrub.

Late Entry / (1355) BS, JB decanned hollow stem augers using high pressure steam / alconox scrub.

1415 - RR positions excavator &amp; Test Pit

AB-5.5

- Test pit will be oriented N↔S

1418 - Begin excavating

1420 - AD collects soil sample

S-AB5.5-0001

1422 - AD collects soil sample

S-AB5.5-0102

1424 - AD collects soil sample

S-AB5.5-0203

All 3 samples collected from west sidewall using dedicated scoops.

R. P. 10/10/10



Location Port Richmond, NYC Date 10-7-10Project / Client JWL/EPA

- Relinquish to JR For XRF. \_\_\_\_\_
- Samples on ice. \_\_\_\_\_

1425- AD collects soil sample

S-ABS.5-0304

1430- AD collects soil sample

S-ABS.5-0405

- Both samples collected from bucket using dedicated scoops
- Relinquish to JR For XRF. \_\_\_\_\_
- Samples on ice. \_\_\_\_\_

1435- JR reports ND for 3'-4' &amp; 4'-5' well stop @ 5'. RR backfill.

1445- AG decans extra bucket using high pressure steam / aknox scrub.

1515- AD collects dust filters, relinquishes to SS. \_\_\_\_\_

1520- JR custody subs sample cookers and relinquishes to SS. \_\_\_\_\_

1530- All depart site. \_\_\_\_\_

1600- SS arrives at office and ships dust filters to EMSL via FedEx. \_\_\_\_\_

End Day \_\_\_\_\_

RP initials

Location Port Richmond, NYC Date 10-7-10Project / Client JWL/EPA

0700- WESTON, JET arrive at site to continue subsurface investigation and sampling. \_\_\_\_\_

Weather - Clear, ~55°F. \_\_\_\_\_

Same personnel as yesterday. \_\_\_\_\_

- Test Pits - SS, AD, AG, and RR. \_\_\_\_\_
- MWS - JM, DS, DR. \_\_\_\_\_
- XRF - JR, EPA - K2. \_\_\_\_\_

0710- AD prepares personnel and perimeter pumps/filters. Wind is out of the south today - perimeter monitoring will be the same as yesterday. Personnel:

S-1008- AD D1- downwind #1

O-1008- RR D2- " #2

O2-1008- BS

U-1008- upwind

0720- Conduct H/S briefing

- COCs
- Hydration / Sun
- Haz Mats / Boots
- Personal Monitoring
- Risk Safety.

RP initials

Location Port Richmond, NYC Date 10-8-10Project / Client JWL/EPA

0730 - RR positions cutting @ Test P.T.

A-1.5- Test p.t. oriented E  $\leftrightarrow$  W. —

0735 - Begin excavating. —

0745 - Advance to 3'. AD begins collecting soil from south side wall. —

0748 - AD collects soil sample

S-A1.5-0001

0750 - AD collects soil sample

S-A1.5-0102

0752 - AD collects soil sample

S-A1.5-0203

- All 3 samples collected from south side wall using dedicated scoops.

- Relinquish to SR for XRF. —

- Samples on ice. —

Note: SS observed that custody seals on sample coolers are intact.

0755 - AD collects soil sample

S-A1.5-0304

0757 - AD collects soil sample

S-A1.5-0405

10/8/10

Location Port Richmond, NYC Date 10-8-10Project / Client JWL/EPA

0755 - RR reports 1 cut @ 5'0" @ 3'-4' and 4'-5'; therefore will stop @ 5'.

- Both samples collected from excavator bucket using dedicated scoops —

- Relinquish to SR for XRF. —

- Samples on ice. —

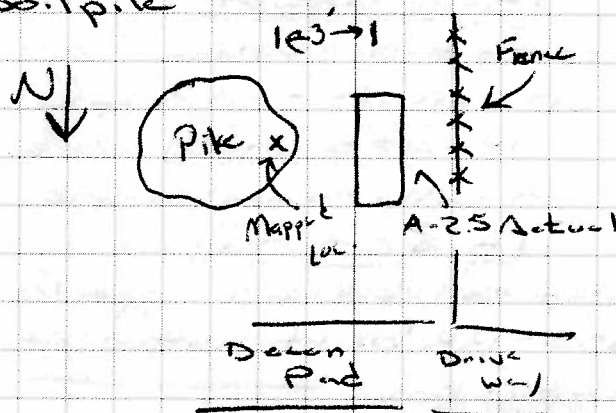
- RR backfills test p.t. —

0805 - AG ~~decide~~ decurs excavator bucket using high pressure stream / alcon scrub —

0830 - RR begins excavating @ Test P.T.

A-2.5

Test p.t. is ~ 3' west of Flegged location due to the presence of a soil pile



10/8/10

Location Port Richmond, NYC Date 10-8-10Project / Client JWL/EPA

0835- Advance to 5' depth, AD begins collecting soil from west sidewall.

0836- AD collects soil sample

S-A2.5-0001

0838- AD collects soil sample

S-A2.5-0102

0840- AD collects soil sample

S-A2.5-0203

0 - All 3 samples collected from west sidewall using dedicated scoops.

0 - Relinquish to JR for XRF.

- Samples on ice.

0842- AD collects soil sample

S-A2.5-0304

- JR reports 4'-5' < 600ppm

0844- AD collects soil sample

S-A2.5-0405

0846- AD collects soil sample

S-A2.5-0506

- JR reports less than 600ppm

0 - 0855- RR backfills test pit.

- Samples on ice.

| PP 11

Location Port Richmond, NYC Date 10-8-10Project / Client JWL/EPA

0910- RR / AG down extra bucket using high pressure stream / chem scrub.

0915- RR sets up extra 2 Test Pit

AB-4

0925- Advance to 3' depth. AD begins to collect soil from east sidewall. Trench is oriented N  $\leftrightarrow$  S.

0927- AD collects soil sample

S-AB4-0001

0930- AD collects soil sample

S-AB4-0102

0932- AD collects soil sample

S-AB4-0203

- All 3 samples collected from east sidewall using dedicated scoops.

- Relinquish to JR for XRF.

- Samples on ice.

\* JR reports he has re-packed all samples with fresh ice.

0935- AD collects soil sample

S-AB4-0304

| PP 11



0937- AD collects soil sample

S-AB34-0405

- Relinquish to JR for XRF.

- JR reports 3'-5' > 600 ppm.

0940- AD collects soil sample

S-AB34-0506

- JR reports 5'-6' < 800 ppm.

All 3 samples collected from excavator bucket using dedicated scoops.

- Samples on ice.

0945- RR backfills test pit.

1000- RR/AG down excavator bucket

1003- ~~AB~~ RR positions excavator Test Pit

AB-35

- Due to the presence of a soil pile at the mapped location, the test pit will be relocated ~ 5' south of mapped location.

1015- Borough Engineer arrives on site.

SE provides H&AP. KS briefs him

on site work / status.

Late Entry: 1010- AD collects soil sample

S-AB35-0001

1012- AD collects soil sample

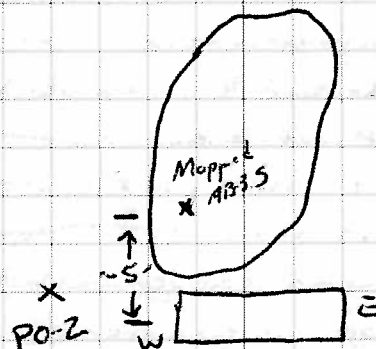
S-AB35-0102

Dr. ream

Pile

AB-25

XXXXXXXXXXXXXXXXXXXX



1015- AD collects soil sample

S-AB35-0203

1020- AD collects soil sample

S-AB35-0304

1022- AD collects soil sample

S-AB35-0405

JR reports 3'-4' ~ 35,000 ppm - will go down another foot.

R. P. 10/8/10

Location Port Richmond, NYC Date 10-8-10Project / Client JWL/EPA

1035- AD collects soil sample

S-AB35-0506

- JR reports 5'-6' = ND.

1040- RR backfills test pit.

- 0'-3' collected from south side wall (trench oriented E  $\leftrightarrow$  W).

- 3'-6' Collected from excavator bucket

- Using dedicated scoops.

- Relinquish to JR for XRF.

- Samples on ice.

1055- AG decons excavator bucket

1100- RR positions excavator @ Test Pit

AB-25

- Last test pit for this portion of the site.

1105- Begin excavating

1108- Advance to 3' depth. AD begins collecting soil from south sidewall.

1110- AD collects surface soil sample

S-AB25-0001

1112- AD collects soil sample

S-AB25-0102

1114- AD collects surface soil

sample S-AB25-0203Location Port Richmond, NYC Date 10-8-10Project / Client JWL/EPA

- All 3 samples collected from south sidewall using dedicated scoops.

- Relinquish to JR for XRF.

- Samples on ice.

1118- AD collects soil sample

S-AB25-0304

1120- AD collects soil sample

S-AB25-0405

- Both samples collected from excavator bucket using dedicated scoops.

- Relinquish to JR for XRF.

- Samples on ice.

1125- JR reports 3'-4'; 4'-5' are

ND - RR backfills test pit

1200 12:30 - EPA, WESSEX break for lunch. SET remains to pack up &amp; decon equipment.

1230 - Return to site. SET still packing up deconning.

- SS retrieves personnel and perimeter dust monitors.

1330 - All depart.

R.P. 10/8/10

Project / Client JWL/EPD

1400. R turn to office. Shipton & Co  
dest Filter to CMX via FedEx. —

Energy

10/27/10

Location Port Richmond, NYC

Date 10-11-60

Project / Client JWL/ERA

0743 - EPA, Weston, and SET arrive at site to begin subsurface evaluation at the 2015 Richmond Terrace portion of the site. We wait across the street till 0800 when KS will enter the property and confirm access. This wait is personal

SS - Field Coordinator, WSO

## SD - Sampler, Soil Logging

IR-XRF operation.

KS-EPA Oversight

Darwin Reid (DR), SET-Geoprobe

Weather - Clear ~ 60° F.

0900 - KD heads into site

0803-135 confirms we have access.

We checked into site to sign in and  
start a staying area.

0830. Set up next to office.

- AD sets up ground and perimeter dust monitors. Wind is very light out of the south.

D1 = Downwind #1

DZ: Downwind #2

Location Port Richmond, N.Y.C. Date 10-11-10Project / Client JWL/EPA

U = Upwind. \_\_\_\_\_

S = Sampler (AD). \_\_\_\_\_

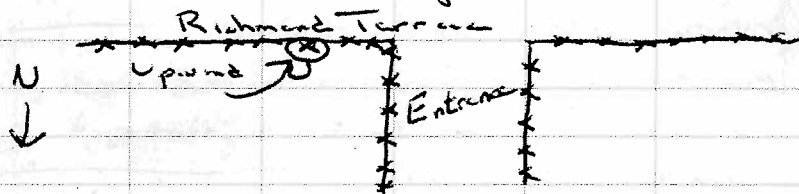
O = Operator (DR). \_\_\_\_\_

- Air monitoring will include a Multi-Res on this portion of the site.

S/N = PmcId No. 14831. \_\_\_\_\_

AD will calibrate using 100ppm butadiene and mixed gases. \_\_\_\_\_

OAD - AD deploy perimeter dust monitors  
 Upwind is deployed on fence adjacent  
 to entrance. Downwind 1 and 2 are  
 deployed in the NE and NW corners  
 of the site, respectively, near the bulkhead.



0915 - DR bring Geoprobe over  
 from across the street. \_\_\_\_\_

DD 11

Location Port Richmond, N.Y.C. Date 10-11-10Project / Client JWL/EPAPhoto Log MSAJWL-10-11-1: Geoprobe MSA-1, looking  
W. \_\_\_\_\_

JWL-10-11-2: Logging soil from MSA-1.

JWL-10-11-3: Geoprobe MSA-1, looking  
W. \_\_\_\_\_

R. P. [signature]

Location Port Richmond, N.Y.C. Date 10-11-10Project / Client JWL/EPA

0920 Jay Shipley (JS), Environmental tells us he needs to go to Edison to pick up sample jars and he asks us to wait until he returns to begin sampling.

Note: Custody seals on sample coolers are intact. JR bags fresh ice for samples. 1045 - JS returns.

1100 - Try to locate MSCA-1 - but can't find the mark. Instead will start

~~③ MSCA-1~~ MSCA-1

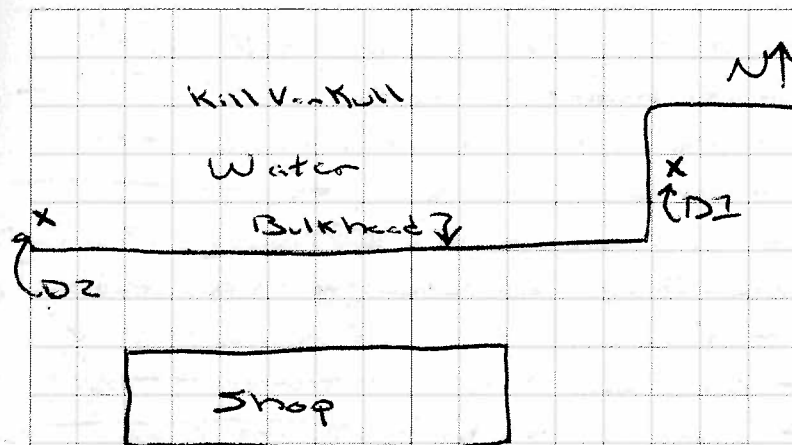
1105 - Begin probing.

- Probe to 8'.
- No PID readings in hole.
- AD takes borings back to truck to log.

Note: Appears this was the hole we were looking for. - MSCA-1.

- AD logs soil. DR backfills MSCA-1.

Note: Due to the need to split samples with JS and the low volume recovered by the Dual Tube samplers being used, we suggest to JS that we advance 2 co-located borings in order to recover enough volume for the split samples.

Location Port Richmond, N.Y.C. Date 10-11-10Project / Client JWL/EPA

1140 - JS OKs co-located borings until he hears back from his sponsors.

- Relinquish to JR for XRF.
- Samples on ice.
- We collected the following soil samples

~~③ MSCA-1~~

S-MSCA1-0001 1128

S-MSCA1-0102 1131

S-MSCA1-0203 1135

S-MSCA-0304 1140

S-MSCA-0405 1145

S-MSCA-0506 1150

S-MSCA-0607 1153

S-MSCA-0708 1157

Location Port Richmond, N.Y.C Date 10-11-10Project / Client JWL/EPA1210 - Begin probing @ MSCB-2

- DR reports refusal @ 2.5' \_\_\_\_\_

- Move 3' west - 2<sup>nd</sup> attempt. \_\_\_\_\_

- Advance 0'-5'. \_\_\_\_\_

- Advance 5'-8'. \_\_\_\_\_

1230 - Begin advancing @ co-located boring

~ 1' west of 1<sup>st</sup> location. \_\_\_\_\_

- Advance 0'-5'. \_\_\_\_\_

- Advance 5'-8'. \_\_\_\_\_

- AD screens back with Multi-Rac

- No reading \_\_\_\_\_

1237 - Relinquish core to AD for logging -

- Relinquish co-located to JS. \_\_\_\_\_

1245 - AD collects soil sample

S-MSCB1-0001

1247 - AD collects soil sample

S-MSCB1-0102

1249 - AD collects soil sample

S-MSCB1-0203

1251 - AD collects soil sample

S-MSCB1-0304*R. P. 10/11/10*Location Port Richmond, EPA Date 10-11-10Project / Client JWL/EPA

Note: JS notices that the co-located borings are very dissimilar. We therefore decide to stop sampling and have SET begin to use 2" macro-core.

There are none here on site so will stop for today and start over tomorrow.

1255 - Pick up. I ask DR to bring 2" macro-cores to the site tomorrow.

1320 - Depart site. \_\_\_\_\_

End Day*R. P. 10/11/10*



Location Port Richmond, NYC Date 10-12-10Project / Client JWL/EPA

0600 - EPA, Weston, and SET return to 2015 Richmond Terrace to continue sub-surface investigation.

Weather: Mostly sunny, ~60°F. Rain last night - ground is wet.

0630 - JS arrives. AD assembles perimeter and personal SHC pumps/dust filters.

- AD reports wind is out of the west.
- JS observes custody seal on sample coolers intact.

0630 - DR decans Geoprobe equipment

- High pressure steam
- ~~Hot~~ H<sub>2</sub>O<sub>3</sub> rinse
- Alconex Scrub.

0635 - SS/JR collect Rinset - Blank RB03

From Geoprobe - cutting shoe. Pour DI water over decanned cutting shoe, pressure with H<sub>2</sub>O<sub>3</sub> pit 2.

0635 - AD calibrates MultiRae using

100 ppm isobutylene and mixed gases - 25 ppm H<sub>2</sub>S, 50 ppm CO, 50% O<sub>2</sub> LEL CH<sub>4</sub>, 20.9% O<sub>2</sub>.

1 AD

Location Port Richmond, NYC Date 10-12-10Project / Client JWL/EPA

### Photo Log

JWL-10-12-1. Decanning Geoprobe rods/cutting shoes.

JWL-10-12-2. Collecting RB03.

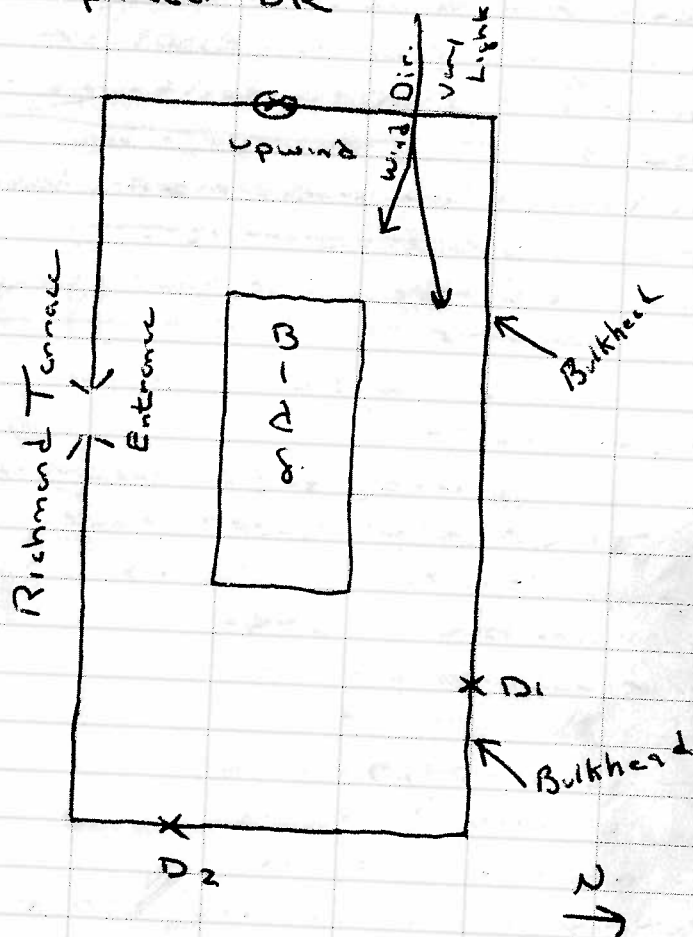
JWL-10-12-3. Collecting soil from MSA-1.

JWL-10-12-4. Geoprobe MSAE-1, looking SE.

JWL-10-12-5. Geoprobe MSAF-1, looking N.

Location Port Richmond, N.Y.C. Date 10-12-10  
 Project / Client JWL/EPA

- AD deploys perimeter monitors.  
 - Sampler: AD  
 - Operator: DR



Location Port Richmond, N.Y.C. Date 10-12-10 79  
 Project / Client JWL/EPA

- 0915 - Begin probing @ MSCA-1  
 - 4' Macro-cores  
 - Refused @ ~1.5'; moved ~1' NE for 2nd.  
 - advanced 0'-4'; AD reports 0.6 on PID  
 - advanced 4'-8'; AD reports 0.3 on PID  
 - AD returns to staging area to log soils and collect XRF samples.

- 0945 - Begin probing @ MSCD-1  
 - Advanced 0'-4'.  
 - Advanced 4'-8'.  
 - Return to staging area - cores to AD for logging.

Due to asphalt surface, sampling is starting the 1'-2' interval.

Sample collected from MSCA-1

- S-MSCA1-0102 @ 0947  
 S-MSCA1-0203 @ 0949  
 S-MSCA1-0304 @ 0951  
 S-MSCA1-0405 @ 0953  
 S-MSCA1-0506 @ 0955  
 S-MSCA1-0607 @ 0957

AD reports ~4.7 on PID @ 7'-8' core.  
 No reading noted in the ambient air.



Location Port Richmond, NYC Date 10-12-10Project / Client JWL/EPA~~MSA-1~~ <sup>②</sup> S-MSCA-0708-0959.

- AD is scooping soil from sleeve into baggies. After XRF analysis, JS takes 1/2 of the volume for the split sample.

Samples collected for MSCB-2

S-MSCB2-0102 &amp; 1010.

S-MSCB2-0203 &amp; 1012.

S-MSCB2-0304 &amp; 1014.

S-MSCB2-0405 &amp; 1016.

- Screen 7'-8' interval ~ 10 units all 2's

- No reading in ambient air.

S-MSCB2-0506 - 1018.

S-MSCB2-0607 - 1020.

S-MSCB2-0708 - 1022.

1030 - 1045 - AD takes hand-operated readings in sample baggies - records result on sample log sheets.

1105 - Begin probing <sup>②</sup> MSCC-1- Advance 0'-4' - MSCC-2

- No reading on Multi-Ram in hole

- Advance 4'-8'; - water table

- No reading in the hole.

Location Port Richmond, NYC Date 10-12-10Project / Client JWL/EPA

- AD takes cores for logging.

1110 - Light rain starting.

1115 - Begin probing MSCD-2

- Advance 0'-4'

- Advance 4'-8'

- Core to AD for logging/sampling

1130 - DR down Geoprobe equipment

- High pressure steam, alumex grab,

H<sub>2</sub>O<sub>3</sub> rmac.

- Sample collected for MSCC-1

S-MSCC1-0102 &amp; 1120

S-MSCC1-0203 &amp; 1122

S-MSCC1-0304 &amp; 1124

S-MSCC1-0405 &amp; 1126

S-MSCC1-0506 &amp; 1128

S-MSCC1-0607 &amp; 1130

S-MSCC1-0708 &amp; 1132

AD reports  
entire 4'-8'  
is saturated  
∴ NO  
XRF Run

- No reading on Multi-Ram in soil core or ambient air. No RMD by.

Samples collected for MSCD-1

S-MSCD1-0102 &amp; 1140

S-MSCD1-0203 &amp; 1148

S-MSCD1-0304 &amp; 1150

PP 11

Location Port Richmond, NYC Date 10-12-10Project / Client JWL/EPA

- PID indicates 2.5 units in 2'-3' interval
- No readings in ambient air. —
- 1200 - SS calls Joe Schmidt to ask if he has compiled a list of samples from last week that are being sent to the lab for confirmatory analysis.
- AD reports 5'-8' from MSD-1 is saturated. Will collect 0403
- Joe Schmidt has selected the following samples for lab analysis —

	Dupe
S-AB2-0708	S-CD3-0001E
S-BC1-0001	S-CD3-0102
S-ZA1-0304	S-CD3-0203
S-CD1.5-0403 <sup>(MS MSD)</sup>	RB01
S-DE1-0506	S-AB2.5-0102
S-DE1-0607	S-AB2.5-0304
S-AB1.5-0403	S-AB3.5-0001
S-ZA3.5-0405	
S-ZA3.5-0708	
S-ZA4-0607	
S-CA-0102	
S-CD3-0001	

DD

Location Port Richmond, NYC Date 10-12-10Project / Client JWL/EPA

1230-1300 - Break for lunch. —

1300 - Went for JS. —

1315 - JS returns. —

1320 - Begin probing @ MSCE-1

- Advance 0'-4'. No readings on Multi-R

- Advance 4'-8'. —

- Entire 4'-8' interval is saturated.

- Petroleum Oden. —

- 0'-4' to AD for logging / sampling

1340 - Begin probing @ MSCE-2

- Advance 0'-4'. —

- Advance 4'-8'. —

- Corroto AD for logging / sampling —

Hou - DR 2 units Geoprobe equipment

1410 - Begin probing @ MSCE-3

- Advance 0'-4'. —

- Advance 4'-8'. —

- Corroto AD for logging / sampling —

1420 - Begin probing @ MSCE-3

- Advance 0'-4'. —

- Advance 4'-8'. —

- Corroto AD for sampling / logging. —

Note: Battery on multi-Ran died - back

up dead too

DD 11

Location Port Richmond, NYC Date 10-12-10  
 Project / Client JWL/EPA

1435- Return to staging area. AD logs  
 soils and relinquishes to JR for XRF. —

- JR transfers soil to jar for lab anal.

1515- Today's samples put in ice. —  
 end cooler is custody sealed. —

1600- All depart site. —

1630- Arrive back e office. —

Ship dust f. 11 to 2 to EMSL via Fed Ex  
 (from office). —

1630-1830- Pack samples, label,  
 custody seal, fill out COC. —

1900- Arrive e Fed Ex

Ship one Cooler to EPA  
 Region 2 DESA lab via Fed Ex  
 Airbill No. 8715 6304 5796

End Day

DD

Location Port Richmond, NYC Date 10-12-10  
 Project / Client JWL/EPA

0600- EPA, WESTON, and SET arrive  
 at site to continue the subsurface  
 investigation e the 2015 Richmond Tr.  
 portion of the site. —

Weather: Clear, sunny ~55°F. —

Note: SS observed that custody  
 seals on sample coolers are intact.

- Wind is out of the west again. We  
 will deploy perimeter dust monitors  
 in the same positions as yesterday. —

0620- AD deploys perimeter dust monitors

- Personal Monitors - S-1013-AD, O-  
 1013-DR. —

0630- AD calibrates Multi-Rae. —

0650- Conduct H/S briefing

- BBS - stay organized / neat
- Proper PPE - gloves, hard hat
- COCs
- Hydration / Sun
- COCs
- Location of WSP / Rte to  
 WSP Map

R. P. 10/12/10

Location Port Richmond, N.Y.C. Date 10-13-10Project / Client JWL/EPA

0900 - Begin probing <sup>MSCE-4</sup> ~~MSCE-4~~ <sup>MSCE-4</sup>  
 - Advance 0'-4' - No reading on Multi-Rac.  
 - Advance 4'-8' - " " " "  
 - Cores to AD, JR for logging, sampling, XRF.  
 0915 - Begin probing <sup>MSCE-5</sup> ~~MSCE-5~~ <sup>MSCE-5</sup> Move  
 boring ~ 1.5' NW from mapped location  
 due to parked car.

- Advance 0'-4'; No reading on Multi-Rac.
- Refused @ 6'.
- No reading on Multi-Rac in hole.
- Cores to AD, JR for logging, sampling, and XRF.

- Sample collection times will be noted by AD and JR on field data sheets.

0945 - DR cleans Geoprobe equipment using high pressure steam, a known scrub, HNO<sub>3</sub> rinse.

0955 - Begin probing <sup>MSCE-4</sup> ~~MSCE-4~~ <sup>MSCE-4</sup>  
 - Refused @ 3'. Move ~ 1' West for 2<sup>nd</sup> attempt.  
 - DR reports pieces of brick in boring.  
 - Refused @ 1' - concrete.  
 - Move ~ 1' East of original loc. 3<sup>rd</sup> attempt

Location Port Richmond, N.Y.C. Date 10-13-10Project / Client JWL/EPAPhoto Log <sup>MSCE-F ③</sup>

- JWL-10-13-6: Geoprobe ~~MSCE-4~~ <sup>MSCE-4</sup>, looking W.
- JWL-10-13-7: Backfilling MSCE-2.
- JWL-10-13-8: Using HNO<sub>3</sub> during clean.
- JWL-10-13-9: Logging soil.

PP 10/13/10

Location Port Richmond, NYC Date 10-13-10Project / Client JWL/EPA

- Advance 0'-4'; No reading on Multi-Rac
- Advance 4'-8'; " " " "
- Cores to AD, JR for logging, sampling, and XRF.

- DR backfills boring.

1020 - Begin probing MSCE-3

- Advance 0'-4' GR took PID for head space reading.
- Advance 4'-8'. Appears saturated - small of H<sub>2</sub>S.
- Cores to AD, JR for logging, sampling, and XRF.

1035 - DR Decans Geoprobe equipment

1050 - Begin probing MSCE-2

- Advance 0'-4' - saturated @ 4'.

1100 - Begin probing MSCE-2

- Due to parked cars, will move ~3' SW of mapped location.
- Advance 0'-4'.
- Advance 4'-7' - Refused @ 7', stand.
- Cores to AD, JR for logging, sampling, and XRF.

1110 - DR Decans Geoprobe equip.

Location Port Richmond, NYC Date 10-13-10Project / Client JWL/EPA1130 - Begin probing MSCE-3

- Due to parked cars, move ~1' NW of mapped location.
- Refused @ 3' move ~0.5' SE - closer to mapped location.
- Advance 0'-4' - saturated @ ~4'.
- Cores to AD, JR for logging, sampling, and XRF.

- DR backfills bench hole.

1140 - Begin probing MSCE-4

- Advance 0'-4'.
- Saturated by 4'.
- Cores to AD, JR for logging, sampling, and XRF.

1200 - Break for lunch.

Late Entry: JR requested sample containers with fresh ice.

1235 - Begin probing MSCE-5

- Advance 0'-4'.
- Advance 4'-6' - Refused @ 6'.
- Move ~1.5' north - make 2<sup>nd</sup> attempt @ 4'-8' interval.

Rk 10/14/10

Location Port Richmond, NYC Date 10-13-10Project / Client JWL/EPA2<sup>nd</sup> Attempt successful. 4'-6'.

- Core to AD, JR for logging, sampling, and XRF.

- DR backfills borehole.

1255 - Begin probing @ MSC155 MSC15~ 15' <sup>east</sup> of mapped location due to

fencing and utilities.

- Advance 0'-4'.

- Advance 4'-6'.

- Core to AD, JR for logging, sampling, and XRF.

- DR backfills borehole.

135 - DR deems Geoprobe equipment

1330 - Begin probing @ MSC14

- Advance 0'-4'.

- Advance 4'-6'.

- Core to AD, JR for logging, sampling, and XRF.

- DR backfills borehole.

1340 - Begin probing @ MSC13

- Advance to 0'-4'.

- Very low recovery - 15-20%.

- Advance 4'-6'.

Location Port Richmond, NYC Date 10-13-10Project / Client JWL/EPA

- Core to AD, JR for logging, sampling, and XRF.

- DR backfills borehole.

1350 - DR <sup>deems</sup> Geoprobe equip.

Note: For the MSC13 0'-4' interval. Due to low recovery, it's impossible to determine/spill into 4, 1-foot intervals - therefore we'll sample just below the asphalt and call 1'-2'.

1425 - Begin probing @ MSC14- Refuel @ 6" - Move - 2 West for 2<sup>nd</sup> Attempt.

- Advance 0'-4'.

- Saturated @ 4'.

- Core to AD, JR for logging, sampling, and XRF.

- DR backfills borehole.

1435 - Begin probing @ MSC15

- @ ~ 1' depth DR encounters a void in the subsurface. Suspecting a tank or utility, we abandon this location.

10/13/10



Location Port Richmond, NYC Date 10-13-10Project / Client JWL/EPA

- After walking the whole SW corner of the site and observing the physical state of the concrete, it appears the void runs beneath the entire area. Therefore, we will also abandon MSCA-4 and MSCA-3.

1450 - AD collects dust filters.

- Pickup equipment.

- AD relinquishes dust filters to SS.

- JR relinquishes soil samples to SS.

- SS custody seals cookies.

1530 - All depart.

1600 - SS arrives back at office. Ships today's dust filters to EMS via FedEx.

End Day

*R. P. 10/13/10*

Location Port Richmond, NYC Date 10-12-10Project / Client JWL/EPA

0400 - WESTON and SET arrive at site. KS is running late.

0720 - Pickup equipment. AD sets up SMC pumps / dust filters. Wind is out of the west. perimeter monitors will be deployed in the same locations as yesterday.

- AD calibrates MultiRec.

- Perimeter Monitors

0-10M - BR; 3-10M - AD

- Perimeter Monitors

D2 - Downwind #1; D2 - Downwind #2; and U - Upwind.

0835 - Conduct W/p briefing.

• CWCs

• Pending inclement weather

• Proper PPE

• BBS - Kmf activities / when opening acetate sleeve.

• Location of NAPP / 1<sup>st</sup> A.I. K.T.

0845 Begin drilling MSCB3

- Advance 0'-4'.

- Advance 4'-8'.

- Appears to be saturated @ 4'-5'.

*R. P. 10/12/10*

Location Port Richmond, NYC Date 10-14-10Project / Client JWL/EPA

- 0900 - Begin probing MSC-5 —  
 - Advance 0'-4'. Water 4'. Very low recovery, ~15%. Will consider the sample to be 0'-1'. —

DR - backfills borehole. —

- That concluded Geoprobe sampling. All that is left are the two monitoring wells MSC-1 and MSC-2. DR will advance a 2" macro-core into the well locations to obtain samples and then use HSA to advance the wells.

- 0905 - DR deems Geoprobe equipment with high pressure steam, a kerosene scrub, HWS, r msc. —

0920 - SS/DR collect Ring to Black

RB04

From deamed hollow stem auger (HSA).

- 0930 - Begin probing MSC-1  
 - Advance 0'-4'. —  
 - Look structural ~4'. DR will set well screen to ~11' bgs. 3' of tabular water table. —  
 - Advance 4'-8'.

*R. P. Smith*Location Port Richmond, NYC Date 10-14-10Project / Client JWL/EPA

Photo Log

JWL-10-14-1: Collecting RB04. —

JWL-10-14-2: Advancing HSA &amp; MSC-2, looking NE. —

JWL-10-14-3: Installing Screen at MSC-1 —

JWL-10-14-4: MSC-1

JWL-10-14-5: Filling MSC 1 with Bentonite

JWL-10-14-6: Cutting out Asphalt for Well cap.

JWL-10-14-7: Purgings well. —

JWL-10-14-8: Completed MSC-1 —



Location Port Richmond, NYC Date 10-14-10Project / Client JWL/EPA

- Corro to AD, JR for logging, sampling, XRF.
- 0950 - DR begins probing MSC-2
- Advance 0'-4'.
- Appends sediment - 4'-5'.
- Advance 4'-6'.
- Corro to AD, JR for logging, sampling, and XRF.
- Based on depth to sediment, MSC-2 will be advanced to 11', MSC-2 to 12'.
- 1005 - Begin augering HSE & MSC-1
- 1045 - Continue augering @ MSC-1
- 2000 Entry: 20000 SS observed that the custody seals on the sample containers were intact.
- 1050 - DR reports refusal @ 10'. Will send down a rod to try to break up the obstruction.
- 1055 - SS relinquishes log back to AD. SS and JR will depart site with samples.

DD

Location Port Richmond, NYC Date 10-14-10Project / Client JWL/EPA

- 1120 - DR BREAKS THRU REFUSAL AT 10' AND CONTINUES AUGERING @ MSC-1.
- 1130 - Augering at MSC-1 reached 11'.
- 1145 - DR installs 11' Screen @ MSC-1.
- 1215 - DR Breaks for lunch and will set the pad for MSC-1 after lunch.
- 1245 - Return from lunch. DR finishes capping well MSC-1.
- 1330: DR Purge well MSC-1
- 1345: Complete MSC-1
- 1400: DR Detons all equipment.
- 1430: All depart site.

END OF DAY

*Anthony J. [Signature]* 10/14/10

AD

Location PORT RICHMOND, NYC Date 10-15-10Project / Client JWL/EPA0800: WESTON EPA AND SET ON SITEObjectives: START AND COMPLETE MONITOR WELL MSC-2WEATHER: Sunny, 58°F, Wind: 5-10mph out of the Southwest.Health and Safety: Watch out for vehicle traffic while drilling monitoring well in parking area.

No dust monitoring today.

0830: Begin Augering MSC-2.

Auger was obstructed at roughly 1'. DR sends rod down to break up obstruction.

0845: Cleared obstruction, continue augering- Advance to AD Antler Jack

- Advance 0-5'

- Advance 5-10'

0910: Auger advanced to 12'

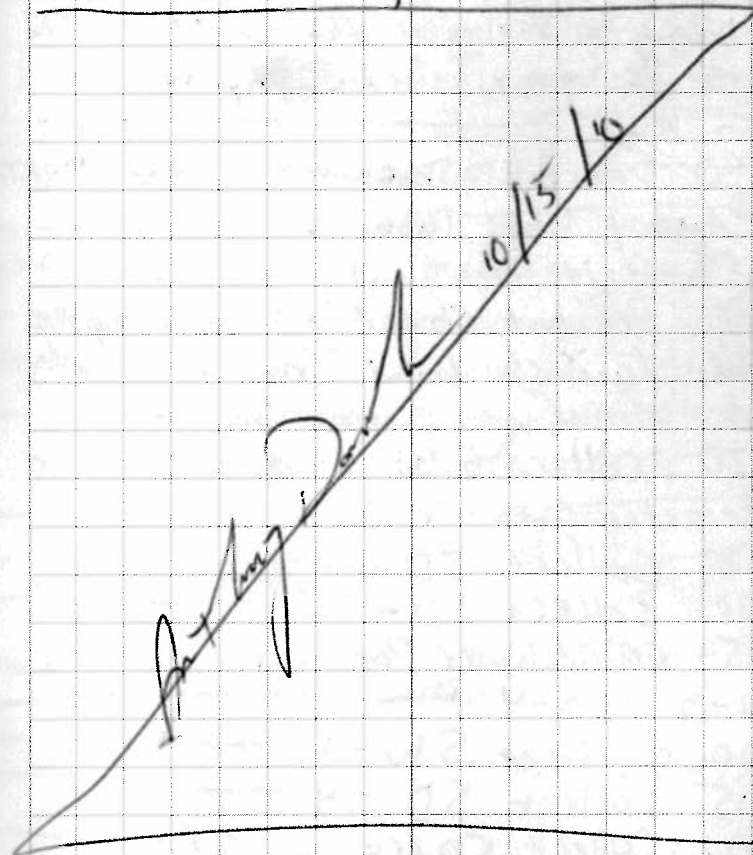
- install 12' screen.

0945: Completed installation of 12'

Monitoring well at MSC-2. Preparing to install cap and concrete pad.

1000: SET Deconing equipment.1035: Begin purging well.1115: Completed concrete pad onLocation PORT RICHMOND, NYC Date 10-15-10Project / Client JWL/EPAMonitoring well AD MSC-21135: SET mob ~~equipment~~ AD Drums across street to 2000-2012 Richmond terrace for drum storage/staging.1145: All off site

END OF DAY



Location Port Richmond, NYC Date 10-19-10Project / Client JWL/EPA

0800 Anthony Daniels (WESTON) MEET Kim Straiger and Stephen Hale (EPA) at EPA parking lot in Edison, NJ.

WEATHER: 60°F, Raining.

Objective: Collect 5 aqueous samples, including a ~~Final~~ Rinse blank, and 5 sediment samples including a duplicate off Bulk head of 2015 Richmond Terrace Property in Kill Van Kull.

0830 Depart EPA PARKING LOT FOR PERTH ~~AD~~ Amboy boat launch.

0900 Arrive at Boat launch.

0915 Preboat checklist complete.

0930 Launch boat from Perth Amboy

1010 Arrive at sample locations.

1020 Collect SW-1 and Water Parameter data for SW-1 location.

1025 Collect SD-1

1030 Collect SD-1E

1055 Collect Water Parameters at location SW-4 / SD-4.

1100 Collect SW-4

1105 Collect SD-4

1110 Collect SW-4 GPS

Location Port Richmond, NYC Date 10-19-10Project / Client JWL/EPA

1115: Arrive at location SW-3/~~SD~~ and SD-3

1120 Collect SW-3 Water Parameters.

1125 Collect SW-3

1130 Collect SD-3

1135 collect SW-3/SD-3 GPS

1140 Arrive at location SW-2/SD-2

1145 Collect SW-2 Water parameters

1150 Collect SW-2

1155 collect SD-2

1200 collect GPS

1205 Complete Sediment Sampling, depart sample location for Perth Amboy boat launch.

1300 Arrive back in Perth Amboy and pull boat out of water

1320 off site

~~END of Day~~ ~~AD~~

*Anthony Daniels*  
10-19-10

Location PORT RICHMOND, NYC Date 10-19-10

Project / Client \_\_\_\_\_

LATE ENTRY: 1310: collect Rinsate  
blank RB-05 off PONAR sampler.

END OF DAY

Anthony D. Smith

10/19/10

Location Janett Whitehead Co. Site Date 10/28/10Project / Client EPA

Joseph Schmidt

0640 Onsite Lunch

0705 Pete Lisichenko arrives

H/S Meeting

0720 OSE Stinger on-site

0725 Lisichenko sets up RTK unit

I check calibration on YSI 650 MDS

pH 10 = 9.48 7 = 6.97 4 = 4.42

Cond 1000  $\mu\text{S}/\text{cm}$  = 988  $\mu\text{S}/\text{cm}$ 

0810 Pete and Kim begin sampling SW/SD-05

0834 SW/SD-05 T = 18.25°C C 0.312  $\text{mg}/\text{L}$ DO = 4.02  $\text{mg}/\text{L}$  pH = 6.33, ORP = -41.7

Turb = 5.3 NTU

0900 Did round of water levels on Pocket

Property PO-1 11.75 TD = 15.92 ft

PO-2 9.61 TD 16.90 ft

PO-3 dry - TD 12.2 ft

0900 Begin Sampling at PO-2. See field sheets.

11:03 SW-06 WQ parameters T = 19.5°C

SP = 0.085  $\mu\text{S}/\text{cm}$  DO = 3.27  $\text{mg}/\text{L}$ 

pH = 7.62, ORP = 68.8 Turb = 316.9 NTU

0955 Begin Sampling at well PO-1 See field sheets for details

11:10 Begin Sampling at well MSC-2. See field sheets for details.

Location

Staten Island, NY

Date \_\_\_\_\_

10/20/10

Project / Client

Jeannette White Lead Carrying Scale

Joseph Schmid

a:53

Begin Supply of well MRC-1. See field sheets for details.

12:00

Peter L. and Kimb. begin GPS Survey  
of Maran Property Locations

12:30

Track samples and prepare CDC.

13:30

Offsite to provide seed and cold patch

14.00

Return to site. Peter C. and Kim are  
ambitious survey. I distribute  
grass seed on excavations in  
Peter C. and Kim's excavations

14:30

I walk/ Kim S. along the lower edge of Moran property, and note several drain holes through the sheet pile wall, which allow runoff from the site to the Kill.

16:00

Packed up and off to deliver  
samples to EPA/DESA Lab. —

17:05

Hand deliver samples to EPADESA  
for.

Will

Location

Date \_\_\_\_\_

Project / Client



[illegible]

Jewett White head 10/7/10  
 0940 Begin at PO-3 Well  
 install. Samples for  
 XRF screening will be  
 collected every foot.  
 0950 Blowcounts: 0-2 ft  
 2  
 8 } 50% recovery  
 11 } for this interval  
 11  
 Blowcount 2-4 ft.  
 9  
 8 } low recovery for  
 21 } this interval.  
 25  
 0955 S-PO3-0001 collected  
 0957 S-PO3-0102 collected  
 1000 S-PO3-0203 collected  
 1002 S-PO3-0304 collected  
 1027 There is an obstruction  
 at approx. 4 ft. Sample  
 recovery will be low  
 Blowcount for 4-6 ft  
 4  
 4  
 6  
 7

10/7/10 Jewett white lead  
 1029 60% recovery for 4-6 ft  
 S-P03-0405 Collected  
 1030 S-P03-0506 Collected  
 1035 Blowcounts for 6-8 ft  
 6  
 6  
 7  
 19  
 Now ~~Wet~~ soil at about 7.5 ft  
 S-P03-0607 Collected  
 1037 S-P03-0708 Collected  
 Blowcount for 8-10 ft  
 11  
 9  
 9  
 8  
 1040 S-P03-0809 Collected  
 1042 S-P03-0910 Collected  
 1100 SET will install a 10 ft  
 screen. The soil began  
 to be more wet at 7.5 ft  
 but the soil up to 10 ft  
 was not saturated. Water  
 encountered below 8 ft.

*Julissa M. M. M.*

Jewett white Lead 10/7/10  
 1120 JWL-10-7-106: SET  
 drilling P03 well.  
 1135 Bedrock at approx 17 ft  
 SET will install well screen  
 1200 Sand placed in well to  
 hold in place and packed  
 in.  
 1240 Stop for lunch. — Jm  
 1340 SET decons equipment  
 They will fill the  
 P03 with bentonite later  
 on. They will begin  
 the next well after  
 equipment decon.  
 1415 The first core for (0.5 ft)  
 P0-1 is brought up  
 1417 Second core 5-10 ft  
 brought up. — Jm  
 1420 S-P01-0001 Collected  
 1422 S-P01-0102 Collected  
 1425 S-P01-0203 Collected  
 1427 S-P01-0304 Collected  
 1430 S-P01-0405 Collected  
 Water encountered at  
 approx. 6.5 ft.

*Julissa M. M. M. 10/7/10*

10/7/10 Jewett White Lead  
1445 S-PO1-0506 Collected  
1447 S-PO1-0607 Collected  
and jarred. (Water found  
at 6.5 ft).  
SET continues to drill  
and install well at  
location PO1 ——— Jm  
1501 SET collects soil cores  
0-5 ft core, and  
5-10 ft ——— Jm  
1505 S-PO2-0001 collected  
1507 S-PO2-0102 collected.  
1510 S-PO2-0203 collected.  
1512 S-PO2-0304 collected.  
1515 S-PO2-0405 collected.  
1517 S-PO2-0506 Collected  
Ground water encountered  
at approx. 6 ft at  
PO2. This sample  
jarred for analysis.  
1518 SET completes well  
install at PO1. They  
will add bentonite to  
this well and PO3.

~~Julissa 1/1/11 m. A~~

Jewett White Lead 10/7/10  
Total well depth for  
PO3 is 17 ft. Total  
depth for PO1 is  
16 feet. ——— Jm  
1525 SET packs up and depart  
the site for the day.  
1535 Depart the site for  
the day. ——— Jm

~~Julissa Morales  
10/7/10~~



10/8/10 Jewett White Lead  
0700 Arrive at the Site  
0723 H + S Meeting.  
Today the PO2 well  
installation will be  
completed.  
0730 SET setting equipment  
up to begin drilling.  
The screen will be  
from 3 ft - 13 ft at PO2  
1 ft of sand, 1 ft  
of bentonite, and the  
concrete pad will be  
1 ft thick. — JM  
The total depth will  
be 13 ft.  
~~0830 SET begins drilling at~~  
~~PO2 — JM~~  
0851 JWL-10-8-67: SET  
develops well PO3,  
pumping directly into drum.  
JWL 10-8-68: PO3  
well during development  
0900 JM collects the rinsate  
blank from the geoprobe  
cutting shoe.

Jewett White Lead 10/8/10  
0900 SET completes setting  
PO1 well with bentonite  
and concrete. — JM  
0915 Begin drilling at PO2  
0922 JWL-10-8-68: SET  
drilling PO2  
1002 Cable snaps on the rig  
SET will repair/replace  
later and continue with  
an alternate method.  
1028 SET completes setting  
screen in. Next they  
will install manhole and  
concrete pad.  
1115 Pump inserted into  
well PO1 to develop.  
1200 Develop well PO2.  
1335 Depart the site.

# **ATTACHMENT C**

**Chain of Custody/Traffic Reports**

DateShipped: 10/12/2010

CarrierName: FedEx

Airbill No: ~~875~~ 8715 6304 5796

## CHAIN OF CUSTODY RECORD

Jewett White Lead Company

Contact Name: Joseph Schmidt

Contact Phone: 603-656-5461

No: 2-101110-202320-0001

Cooler #: 1

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	RB-01	AB-2.5	Lead	Blank	10/8/2010 $\text{0.825} \times 10^{-2}$	1	1 L poly	HNO <sub>3</sub> pH<2	
	S-AB1.5-0405	AB-1.5	Lead, SPLP Lead, TCLP Lead	Soil	10/6/2010 $1.0 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-AB1-0708	AB-1	Lead, SPLP Lead, TCLP Lead	Soil	10/4/2010 $1.325 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-AB2.5-0102	AB-2.5	Lead, SPLP Lead, TCLP Lead	Soil	10/8/2010 $0.315 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-AB2.5-0304	AB-2.5	Lead, SPLP Lead, TCLP Lead	Soil	10/8/2010 $0.442 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-AB3.5-0001	AB-3.5	Lead, SPLP Lead, TCLP Lead	Soil	10/8/2010 $1.010 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-BC1-0001	BC-1	Lead, SPLP Lead, TCLP Lead	Soil	10/4/2010 $1.255 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-C4-0102	C-4	Lead, SPLP Lead, TCLP Lead	Soil	10/7/2010 $1.324 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-CD1.5-0405	CD-1	Lead, SPLP Lead, TCLP Lead	Soil	10/5/2010 $0.625 \times 10^{-2}$	2	8 oz glass	Wet ice	Y
	S-CD3-0001	CD-3	Lead, SPLP Lead, TCLP Lead	Soil	10/7/2010 $0.942 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-CD3-0001-E	ZA-3.5	Lead, SPLP Lead, TCLP Lead	Soil	10/7/2010 $0.942 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-CD3-0102	CD-3	Lead, SPLP Lead, TCLP Lead	Soil	10/7/2010 $0.944 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-CD3-0203	CD-3	Lead, SPLP Lead, TCLP Lead	Soil	10/7/2010 $0.946 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-DE1-0506	DE-1	Lead, SPLP Lead, TCLP Lead	Soil	10/5/2010 $0.940 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-DE1-0607	DE-1	Lead, SPLP Lead, TCLP Lead	Soil	10/5/2010 $0.941 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-ZA1-0304	ZA-1	Lead, SPLP Lead, TCLP Lead	Soil	10/4/2010 $1.045 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-ZA3.5-0405	ZA-3.5	Lead, SPLP Lead, TCLP Lead	Soil	10/6/2010 $1.412 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-ZA3.5-0708	ZA-3.5	Lead, SPLP Lead, TCLP Lead	Soil	10/6/2010 $1.435 \times 10^{-2}$	1	8 oz glass	Wet ice	
	S-ZA4-0607	ZA-4	Lead, SPLP Lead, TCLP Lead	Soil	10/6/2010 $1.334 \times 10^{-2}$	1	8 oz glass	Wet ice	

**Special Instructions:** Hold excess samples for possible, future analyses

SAMPLES TRANSFERRED FROM	CHAIN OF CUSTODY #

[illegible]

USEPA

Date Shipped: 10/19/10

Carrier Name: FedEx

Airbill No: 6715 6304 5590

## CHAIN OF CUSTODY RECORD

Jewett White Lead Company

Contact Name:

Contact Phone:

No: 2-101810-062300-0002

Cooler #: 1051

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
RB-02		Decon	Lead	Blank	10/8/2010	09:00	1	1 L poly	HNO3 pH<2	N
RB-04		Decon	Lead	Blank	10/14/2020	09:20	1	1 L poly	HNO3 pH<2	N
S-MSC1-0708		MSC-01	Lead, SPLP Lead, TCLP Lead	Soil	10/14/2010	10:10	1	4 oz glass jar	4C	N
S-MSC2-0708		MSC-02	Lead, SPLP Lead, TCLP Lead	Soil	10/14/2010	11:00	1	4 oz glass jar	4C	N
S-PO1-0607		PO-01	Lead, SPLP Lead, TCLP Lead	Soil	10/7/2010	14:47	1	4 oz glass jar	4C	Y
S-PO2-0506		PO-02	Lead, SPLP Lead, TCLP Lead	Soil	10/7/2010	15:17	1	4 oz glass jar	4C	N
S-PO2-0506-E		PO-02	Lead, SPLP Lead, TCLP Lead	Soil	10/7/2010	15:17	1	4 oz glass jar	4C	N
S-PO3-0910		PO-03	Lead, SPLP Lead, TCLP Lead	Soil	10/7/2010	10:42	1	4 oz glass jar	4C	N

Special Instructions: Hold excess sample volume for possible further analysis.

SAMPLES TRANSFERRED FROM  
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	<i>[Signature]</i>	10/19/10	10/19/10	10/19/10	14:00						

## USEPA

Date Shipped: 10/15/10

Carrier Name: FedEx

Airbill No: 6715 6304 5580

## CHAIN OF CUSTODY RECORD

Jewett White Lead Company

Contact Name: Joseph Schmidl

Contact Phone: 603-656-5461

No: 2-101810-145000-0003

Cooler #: 1001

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6866

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
RB-03		Decon	Lead	Blank	10/12/2010	08:35	1	1 L poly	HNO3 pH<2	
	S-MSCB1-0102	MSCB-1	Lead, SPLP Lead, TCLP Lead	Soil	10/12/2010	10:10	2	4 oz glass jar	4 C	N
	S-MSCB1-0304	MSCB-1	Lead, SPLP Lead, TCLP Lead	Soil	10/12/2010	10:14	2	4 oz glass jar	4 C	N
	S-MSCB5-0001	MSCB-5	Lead, SPLP Lead, TCLP Lead	Soil	10/14/2010	09:16	2	4 oz glass jar	4 C	N
	S-MSCB5-0001-E	MSCB-5	Lead, SPLP Lead, TCLP Lead	Soil	10/14/2010	09:16	2	4 oz glass jar	4 C	N
	S-MSCC1-0102	MSCC-1	Lead, SPLP Lead, TCLP Lead	Soil	10/12/2010	11:20	2	4 oz glass jar	4 C	Y
	S-MSCC1-0203	MSCC-1	Lead, SPLP Lead, TCLP Lead	Soil	10/12/2010	11:22	2	4 oz glass jar	4 C	N
	S-MSCC5-0102	MSCC-5	Lead, SPLP Lead, TCLP Lead	Soil	10/13/2010	13:30	2	4 oz glass jar	4 C	N
	S-MSCC5-0506	MSCC-5	Lead, SPLP Lead, TCLP Lead	Soil	10/13/2010	13:42	2	4 oz glass jar	4 C	N
	S-MSCD1-0102	MSCD-1	Lead, SPLP Lead, TCLP Lead	Soil	10/12/2010	11:46	2	4 oz glass jar	4 C	N
	S-MSCD4-0304	MSCD-4	Lead, SPLP Lead, TCLP Lead	Soil	10/13/2010	11:56	2	4 oz glass jar	4 C	N
	S-MSCD5-0506	MSCD-5	Lead, SPLP Lead, TCLP Lead	Soil	10/13/2010	13:20	2	4 oz glass jar	4 C	N
	S-MSCF4-0405	MSCF-4	Lead, SPLP Lead, TCLP Lead	Soil	10/13/2010	10:28	2	4 oz glass jar	4 C	N
	S-MSCF5-0304	MSCF-5	Lead, SPLP Lead, TCLP Lead	Soil	10/13/2010	09:46	2	4 oz glass jar	4 C	N

Special Instructions: Hold remaining sample for possible future analyses.

SAMPLES TRANSFERRED FROM  
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	<i>RF</i>	10/15/10	FedEx	10/15/10	1400						

[illegible]

**USEPA**

DateShipped:

CarrierName:

AirbillNo:

## CHAIN OF CUSTODY RECORD

Jewett White Lead Company

Contact Name: Joseph Schmidl

Contact Phone: 603-656-5461

**No: 2-101810-152126-0004**

Cooler #:

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-BC1.5-0203	BC-1.5	Hold	Soil	10/6/2010	08:56	1	Ziploc		N
	S-BC1.5-0304	BC-1.5	Hold	Soil	10/6/2010	09:00	1	Ziploc		N
	S-BC1.5-0405	BC-1.5	Hold	Soil	10/6/2010	09:02	1	Ziploc		N
	S-BC1.5-0405-E	BC-1.5	Hold	Soil	10/6/2010	09:02	1	Ziploc		N
	S-BC1-0102	BC-1	Hold	Soil	10/4/2010	14:03	1	Ziploc	Wet ice	
	S-BC1-0203	BC-1	Hold	Soil	10/4/2010	14:06	1	Ziploc		N
	S-BC1-0304	BC-1	Hold	Soil	10/4/2010	14:15	1	Ziploc		N
	S-BC1-0405	BC-1	Hold	Soil	10/4/2010	14:17	1	Ziploc		N
	S-BC1-0506	BC-1	Hold	Soil	10/4/2010	14:20	1	Ziploc		N
	S-BC1-0607	BC-1	Hold	Soil	10/4/2010	14:23	1	Ziploc		N
	S-BC1-0708	BC-1	Hold	Soil	10/4/2010	14:27	1	Ziploc		N
	S-BC2.5-0001	BC-2.5	Hold	Soil	10/7/2010	10:28	1	Ziploc		N
	S-BC2.5-0102	BC-2.5	Hold	Soil	10/7/2010	10:30	1	Ziploc		N
	S-BC2.5-0203	BC-2.5	Hold	Soil	10/7/2010	10:32	1	Ziploc		N
	S-BC2.5-0304	BC-2.5	Hold	Soil	10/7/2010	10:35	1	Ziploc		N
	S-BC2.5-0405	BC-2.5	Hold	Soil	10/7/2010	10:38	1	Ziploc		N
	S-CD1.5-0001	CD-1.5	Hold	Soil	10/5/2010	14:27	1	Ziploc		N
	S-CD1.5-0102	CD-1.5	Hold	Soil	10/5/2010	14:30	1	Ziploc		N
	S-CD1.5-0203	CD-1.5	Hold	Soil	10/5/2010	14:32	1	Ziploc		N

Special Instructions: Hold all samples for possible future analysis, per OSC Staiger.	<b>SAMPLES TRANSFERRED FROM</b>
	<b>CHAIN OF CUSTODY #</b>

[illegible]





## USEPA

DateShipped:

CarrierName:

AirbillNo:

## CHAIN OF CUSTODY RECORD

Jewett White Lead Company

Contact Name: Joseph Schmidl

Contact Phone: 603-656-5461

**No: 2-101810-152126-0004**

Cooler #:

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-D4-0405	D-4	Hold	Soil	10/7/2010	09:02	1	Ziploc		N
	S-D4-0506	D-4	Hold	Soil	10/7/2010	09:04	1	Ziploc		N
	S-D4-0607	D-4	Hold	Soil	10/7/2010	09:06	1	Ziploc		N
	S-D4-0708	D-4	Hold	Soil	10/7/2010	09:08	1	Ziploc		N
	S-DE1-0001	DE-1	Hold	Soil	10/5/2010	09:25	1	Ziploc		N
	S-DE1-0102	DE-1	Hold	Soil	10/5/2010	09:27	1	Ziploc		N
	S-DE1-0203	DE-1	Hold	Soil	10/5/2010	09:30	1	Ziploc		N
	S-DE1-0304	DE-1	Hold	Soil	10/5/2010	09:35	1	Ziploc		N
	S-DE1-0405	DE-1	Hold	Soil	10/5/2010	09:38	1	Ziploc		N
	S-DE1-0607-E	DE-1	Hold	Soil	10/5/2010	09:43	1	Ziploc		N
	S-DE1-0708	DE-1	Hold	Soil	10/5/2010	09:45	1	Ziploc		N
	S-DE2-0001	DE-2	Hold	Soil	10/5/2010	13:22	1	Ziploc		N
	S-DE2-0001-E	DE-2	Hold	Soil	10/5/2010	13:32	1	Ziploc		N
	S-DE2-0102	DE-2	Hold	Soil	10/5/2010	13:25	1	Ziploc		N
	S-DE2-0203	DE-2	Hold	Soil	10/5/2010	13:28	1	Ziploc		N
	S-DE2-0304	DE-2	Hold	Soil	10/5/2010	12:33	1	Ziploc		N
	S-DE2-0405	DE-2	Hold	Soil	10/5/2010	12:35	1	Ziploc		N
	S-EF2.5-0001	EF-2.5	Hold	Soil	10/5/2010	12:27	1	Ziploc		N
	S-EF2.5-0102	EF-2.5	Hold	Soil	10/5/2010	12:30	1	Ziploc		N

Special Instructions: Hold all samples for possible future analysis, per OSC Staiger.	<b>SAMPLES TRANSFERRED FROM</b>
	<b>CHAIN OF CUSTODY #</b>

[illegible]

**USEPA**

DateShipped:

CarrierName:

AirbillNo:

## CHAIN OF CUSTODY RECORD

Jewett White Lead Company

Contact Name: Joseph Schmidl

Contact Phone: 603-656-5461

**No: 2-101810-152126-0004**

Cooler #:

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-EF2.5-0203	EF-2.5	Hold	Soil	10/5/2010	12:33	1	Ziploc		N
	S-EF2.5-0304	EF-2.5	Hold	Soil	10/5/2010	12:35	1	Ziploc		N
	S-EF2.5-0405	EF-2.5	Hold	Soil	10/5/2010	12:38	1	Ziploc		N
	S-F1-0001	F-1	Hold	Soil	10/5/2010	10:28	1	Ziploc		N
	S-F1-0203	F-1	Hold	Soil	10/5/2010	10:33	1	Ziploc		N
	S-F1-0304	F-1	Hold	Soil	10/5/2010	10:35	1	Ziploc		N
	S-F1-0405	F-1	Hold	Soil	10/5/2010	10:38	1	Ziploc		N
	S-MSC1-0102	MSC-01	Hold	Soil	10/14/2010	10:00	1	Ziploc	4 C	N
	S-MSC1-0203	MSC-01	Hold	Soil	10/14/2010	10:04	1	Ziploc	4 C	N
	S-MSC1-0304	MSC-01	Hold	Soil	10/14/2010	10:08	1	Ziploc	4 C	N
	S-MSC1-0405	MSC-01	Hold	Soil	10/14/2010	10:12	1	Ziploc	4 C	N
	S-MSC1-0506	MSC-01	Hold	Soil	10/14/2010	10:16	1	Ziploc	4 C	N
	S-MSC1-0607	MSC-01	Hold	Soil	10/14/2010	10:20	1	Ziploc	4 C	N
	S-MSC1-0708-E	MSC-01	Hold	Soil	10/14/2010	10:10	1	Ziploc	4 C	N
	S-MSC2-0001	MSC-02	Hold	Soil	10/14/2010	10:48	1	Ziploc		N
	S-MSC2-0102	MSC-02	Hold	Soil	10/14/2010	10:50	1	Ziploc		N
	S-MSC2-0203	MSC-02	Hold	Soil	10/14/2010	10:52	1	Ziploc		N
	S-MSC2-0304	MSC-02	Hold	Soil	10/14/2010	10:54	1	Ziploc		N
	S-MSC2-0405	MSC-02	Hold	Soil	10/14/2010	10:56	1	Ziplock	4 C	N

Special Instructions: Hold all samples for possible future analysis, per OSC Staiger.	<b>SAMPLES TRANSFERRED FROM</b>
	<b>CHAIN OF CUSTODY #</b>

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DateShipped:

CarrierName:

AirbillNo:

## CHAIN OF CUSTODY RECORD

Jewett White Lead Company

Contact Name: Joseph Schmidl

Contact Phone: 603-656-5461

**No: 2-101810-152126-0004**

Cooler #:

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-MSC2-0506	MSC-02	Hold	Soil	10/14/2010	10:58	1	Ziploc		N
	S-MSC2-0607	MSC-02	Hold	Soil	10/14/2010	11:00	1	Ziploc		N
	S-MSCA1-0102	MSCA-1	Hold	Soil	10/12/2010	09:47	1	Ziploc		N
	S-MSCA1-0203	MSCA-1	Hold	Soil	10/12/2010	09:49	1	Ziploc		N
	S-MSCA1-0304	MSCA-1	Hold	Soil	10/12/2010	09:51	1	Ziploc		N
	S-MSCA1-0405	MSCA-1	Hold	Soil	10/12/2010	09:53	1	Ziploc		N
	S-MSCA1-0506	MSCA-1	Hold	Soil	10/12/2010	09:55	1	Ziploc		N
	S-MSCA1-0607	MSCA-1	Hold	Soil	10/12/2010	09:57	1	Ziploc		N
	S-MSCA1-0708	MSCA-1	Hold	Soil	10/12/2010	09:59	1	Ziploc		N
	S-MSCB1-0203	MSCB-1	Hold	Soil	10/12/2010	10:12	1	Ziploc		N
	S-MSCB1-0405	MSCB-1	Hold	Soil	10/12/2010	10:16	1	Ziploc		N
	S-MSCB1-0506	MSCB-1	Hold	Soil	10/12/2010	10:18	1	Ziploc		N
	S-MSCB1-0607	MSCB-1	Hold	Soil	10/12/2010	10:20	1	Ziploc		N
	S-MSCB1-0708	MSCB-1	Hold	Soil	10/12/2010	10:22	1	Ziploc		N
	S-MSCB3-0001	MSCB-3	Hold	Soil	10/14/2010	09:00	1	Ziploc		N
	S-MSCB3-0102	MSCB-3	Hold	Soil	10/14/2010	09:02	1	Ziploc		N
	S-MSCB3-0203	MSCB-3	Hold	Soil	10/14/2010	09:04	1	Ziploc		N
	S-MSCB3-0304	MSCB-3	Hold	Soil	10/14/2010	09:06	1	Ziploc		N
	S-MSCB4-0001	MSCB-4	Hold	Soil	10/13/2010	14:38	1	Ziploc		N

Special Instructions: Hold all samples for possible future analysis, per OSC Staiger.	<b>SAMPLES TRANSFERRED FROM</b>
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Jewett White Lead Company

Contact Name: Joseph Schmidl

Contact Phone: 603-656-5461

Cooler #:

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-MSCD2-0203	MSCD-2	Hold	Soil	10/13/2010	11:24	1	Ziploc		N
	S-MSCD2-0304	MSCD-2	Hold	Soil	10/13/2010	11:26	1	Ziploc		N
	S-MSCD3-0001	MSCD-3	Hold	Soil	10/13/2010	11:40	1	Ziploc		N
	S-MSCD3-0102	MSCD-3	Hold	Soil	10/13/2010	11:42	1	Ziploc		N
	S-MSCD3-0203	MSCD-3	Hold	Soil	10/13/2010	11:44	1	Ziploc		N
	S-MSCD3-0304	MSCD-3	Hold	Soil	10/13/2010	11:46	1	Ziploc		N
	S-MSCD4-0001	MSCD-4	Hold	Soil	10/13/2010	11:50	1	Ziploc		N
	S-MSCD4-0102	MSCD-4	Hold	Soil	10/13/2010	11:52	1	Ziploc		N
	S-MSCD4-0203	MSCD-4	Hold	Soil	10/13/2010	11:54	1	Ziploc		N
	S-MSCD5-0001	MSCD-5	Hold	Soil	10/13/2010	13:02	1	Ziploc		N
	S-MSCD5-0102	MSCD-5	Hold	Soil	10/13/2010	13:04	1	Ziploc		N
	S-MSCD5-0203	MSCD-5	Hold	Soil	10/13/2010	13:06	1	Ziploc		N
	S-MSCD5-0304	MSCD-5	Hold	Soil	10/13/2010	13:08	1	Ziploc		N
	S-MSCD5-0405	MSCD-5	Hold	Soil	10/13/2010	13:10	1	Ziploc		N
	S-MSCD5-0708	MSCD-5	Hold	Soil	10/13/2010	13:24	1	Ziploc		N
	S-MSCE1-0001	MSCE-1	Hold	Soil	10/12/2010	13:30	1	Ziploc		N
	S-MSCE1-0102	MSCE-1	Hold	Soil	10/12/2010	13:34	1	Ziploc		N
	S-MSCE1-0203	MSCE-1	Hold	Soil	10/12/2010	13:36	1	Ziploc		N
	S-MSCE2-0001	MSCE-2	Hold	Soil	10/13/2010	11:00	1	Ziploc		N

Special Instructions: Hold all samples for possible future analysis, per OSC Staiger.	<b>SAMPLES TRANSFERRED FROM</b>
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## CHAIN OF CUSTODY RECORD

Jewett White Lead Company

Contact Name: Joseph Schmidl

Contact Phone: 603-656-5461

**No: 2-101810-152126-0004**

Cooler #:

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-PO3-0304	PO-03	Hold	Soil	10/7/2010	10:02	1	Ziploc		N
	S-PO3-0405	PO-03	Hold	Soil	10/7/2010	10:29	1	Ziploc		N
	S-PO3-0506	PO-03	Hold	Soil	10/7/2010	10:30	1	Ziploc		N
	S-PO3-0607	PO-03	Hold	Soil	10/7/2010	10:35	1	Ziploc		N
	S-PO3-0708	PO-03	Hold	Soil	10/7/2010	10:37	1	Ziploc		N
	S-PO3-0809	PO-03	Hold	Soil	10/7/2010	10:45	1	Ziploc		N
	S-PO3-0910-E	PO-03	Hold	Soil	10/7/2010	10:42	1	Ziploc	4 C	N
	S-ZA1-0001	ZA-1	Hold	Soil	10/4/2010	10:30	1	Ziploc		N
	S-ZA1-0102	ZA-1	Hold	Soil	10/4/2010	10:35	1	Ziploc		N
	S-ZA1-0203	ZA-1	Hold	Soil	10/4/2010	10:40	1	Ziploc		N
	S-ZA1-0405	ZA-1	Hold	Soil	10/4/2010	10:50	1	Ziploc		N
	S-ZA1-0506	ZA-1	Hold	Soil	10/4/2010	10:55	1	Ziploc		N
	S-ZA1-0607	ZA-1	Hold	Soil	10/4/2010	11:00	1	Ziploc		N
	S-ZA1-0708	ZA-1	Hold	Soil	10/4/2010	11:05	1	Ziploc		N
	S-ZA3.5-0001	ZA-3.5	Hold	Soil	10/6/2010	14:16	1	Ziploc		N
	S-ZA3.5-0102	ZA-3.5	Hold	Soil	10/6/2010	14:18	1	Ziploc		N
	S-ZA3.5-0203	ZA-3.5	Hold	Soil	10/6/2010	14:20	1	Ziploc		N
	S-ZA3.5-0304	ZA-3.5	Hold	Soil	10/6/2010	14:25	1	Ziploc		N
	S-ZA3.5-0506	ZA-3.5	Hold	Soil	10/6/2010	14:30	1	Ziploc		N

Special Instructions: Hold all samples for possible future analysis, per OSC Staiger.	<b>SAMPLES TRANSFERRED FROM</b>
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## CHAIN OF CUSTODY RECORD

Jewett White Lead Company

Contact Name: Joseph Schmidl

Contact Phone: 603-656-5461

**No: 2-101810-152126-0004**

Cooler #:

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-A5.5-0001	A-5.5	Hold	Soil	10/6/2010		1	Ziploc		N
	S-A5.5-0102	A-5.5	Hold	Soil	10/6/2010		1	Ziploc		N
	S-A5.5-0203	A-5.5	Hold	Soil	10/6/2010		1	Ziploc		N
	S-A5.5-0304	A-5.5	Hold	Soil	10/6/2010		1	Ziploc		N
	S-A5.5-0405	A-5.5	Hold	Soil	10/6/2010		1	Ziploc		N
	S-AB1.5-0001	AB-1.5	Hold	Soil	10/6/2010	09:52	1	Ziploc		N
	S-AB1.5-0102	AB-1.5	Hold	Soil	10/6/2010	09:54	1	Ziploc		N
	S-AB1.5-0203	AB-1.5	Hold	Soil	10/6/2010	09:56	1	Ziploc		N
	S-AB1.5-0304	AB-1.5	Hold	Soil	10/6/2010	10:00	1	Ziploc		N
	S-AB1-0001	AB-1	Hold	Soil	10/4/2010	12:55	1	Ziploc		N
	S-AB1-0102	AB-1	Hold	Soil	10/4/2010	12:50	1	Ziploc		N
	S-AB1-0203	AB-1	Hold	Soil	10/4/2010	13:00	1	Ziploc		N
	S-AB1-0304	AB-1	Hold	Soil	10/4/2010	13:05	1	Ziploc		N
	S-AB1-0405	AB-1	Hold	Soil	10/4/2010	13:10	1	Ziploc		N
	S-AB1-0506	AB-1	Hold	Soil	10/4/2010	13:15	1	Ziploc		N
	S-AB1-0607	AB-1	Hold	Soil	10/4/2010	13:20	1	Ziploc		N
	S-BC1.5-0001	BC-1.5	Hold	Soil	10/6/2010	08:52	1	Ziploc		N
	S-BC1.5-0102	BC-1.5	Hold	Soil	10/6/2010	08:54	1	Ziploc		N
	S-BC1.5-0203	BC-1.5	Hold	Soil	10/6/2010	08:56	1	Ziploc		N

Special Instructions: Hold all samples for possible future analysis, per OSC Staiger.	<b>SAMPLES TRANSFERRED FROM</b>
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## CHAIN OF CUSTODY RECORD

Jewett White Lead Company

Contact Name: Joseph Schmidl

Contact Phone: 603-656-5461

**No: 2-101810-152126-0004**

Cooler #:

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-CD1-0001	CD-1	Hold	Soil	10/5/2010	08:12	1	Ziploc		N
	S-CD1-0102	CD-1	Hold	Soil	10/5/2010	08:14	1	Ziploc		N
	S-CD1-0203	CD-1	Hold	Soil	10/5/2010	08:16	1	Ziploc		N
	S-CD1-0304	CD-1	Hold	Soil	10/5/2010	08:20	1	Ziploc		N
	S-CD1-0405	CD-1	Hold	Soil	10/5/2010	08:25	1	Ziploc		N
	S-CD1-0506	CD-1	Hold	Soil	10/5/2010	08:30	1	Ziploc		N
	S-CD1-0607	CD-1	Hold	Soil	10/5/2010	08:32	1	Ziploc		N
	S-CD1-0708	CD-1	Hold	Soil	10/5/2010	08:34	1	Ziploc		N
	S-CD3-0304	CD-3	Hold	Soil	10/7/2010	09:52	1	Ziploc		N
	S-CD3-0405	CD-3	Hold	Soil	10/7/2010	09:54	1	Ziploc		N
	S-CD3-0506	CD-3	Hold	Soil	10/7/2010	09:56	1	Ziploc		N
	S-CD3-0607	CD-3	Hold	Soil	10/7/2010	09:58	1	Ziploc		N
	S-CD3-0708	CD-3	Hold	Soil	10/7/2010	10:00	1	Ziploc		N
	S-D4-0001	D-4	Hold	Soil	10/7/2010	08:52	1	Ziploc		N
	S-D4-0102	D-4	Hold	Soil	10/7/2010	08:54	1	Ziploc		N
	S-D4-0203	D-4	Hold	Soil	10/7/2010	08:56	1	Ziploc		N
	S-D4-0304	D-4	Hold	Soil	10/7/2010	09:00	1	Ziploc		N
	S-D4-0405	D-4	Hold	Soil	10/7/2010	09:02	1	Ziploc		N
	S-D4-0506	D-4	Hold	Soil	10/7/2010	09:04	1	Ziploc		N

Special Instructions: Hold all samples for possible future analysis, per OSC Staiger.	<b>SAMPLES TRANSFERRED FROM</b>
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Jewett White Lead Company

Contact Name: Joseph Schmidl

Contact Phone: 603-656-5461

**No: 2-101810-152126-0004**

Cooler #:

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-F1-0001	F-1	Hold	Soil	10/5/2010	10:28	1	Ziploc		N
	S-F1-0203	F-1	Hold	Soil	10/5/2010	10:33	1	Ziploc		N
	S-F1-0304	F-1	Hold	Soil	10/5/2010	10:35	1	Ziploc		N
	S-F1-0405	F-1	Hold	Soil	10/5/2010	10:38	1	Ziploc		N
	S-MSC1-0102	MSC-01	Hold	Soil	10/14/2010	10:00	1	Ziploc	4 C	N
	S-MSC1-0203	MSC-01	Hold	Soil	10/14/2010	10:04	1	Ziploc	4 C	N
	S-MSC1-0304	MSC-01	Hold	Soil	10/14/2010	10:08	1	Ziploc	4 C	N
	S-MSC1-0405	MSC-01	Hold	Soil	10/14/2010	10:12	1	Ziploc	4 C	N
	S-MSC1-0506	MSC-01	Hold	Soil	10/14/2010	10:16	1	Ziploc	4 C	N
	S-MSC1-0607	MSC-01	Hold	Soil	10/14/2010	10:20	1	Ziploc	4 C	N
	S-MSC2-0001	MSC-02	Hold	Soil	10/14/2010	10:48	1	Ziploc		N
	S-MSC2-0102	MSC-02	Hold	Soil	10/14/2010	10:50	1	Ziploc		N
	S-MSC2-0203	MSC-02	Hold	Soil	10/14/2010	10:52	1	Ziploc		N
	S-MSC2-0304	MSC-02	Hold	Soil	10/14/2010	10:54	1	Ziploc		N
	S-MSC2-0405	MSC-02	Hold	Soil	10/14/2010	10:56	1	Ziplock	4 C	N
	S-MSC2-0506	MSC-02	Hold	Soil	10/14/2010	10:58	1	Ziploc		N
	S-MSC2-0607	MSC-02	Hold	Soil	10/14/2010	11:00	1	Ziploc		N
	S-MSCA1-0102	MSCA-1	Hold	Soil	10/12/2010	09:47	1	Ziploc		N
	S-MSCA1-0203	MSCA-1	Hold	Soil	10/12/2010	09:49	1	Ziploc		N

Special Instructions: Hold all samples for possible future analysis, per OSC Staiger.	<b>SAMPLES TRANSFERRED FROM</b>
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Jewett White Lead Company

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Cooler #:

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-MSCA1-0304	MSCA-1	Hold	Soil	10/12/2010	09:51	1	Ziploc		N
	S-MSCA1-0405	MSCA-1	Hold	Soil	10/12/2010	09:53	1	Ziploc		N
	S-MSCA1-0506	MSCA-1	Hold	Soil	10/12/2010	09:55	1	Ziploc		N
	S-MSCA1-0607	MSCA-1	Hold	Soil	10/12/2010	09:57	1	Ziploc		N
	S-MSCA1-0708	MSCA-1	Hold	Soil	10/12/2010	09:59	1	Ziploc		N
	S-MSCB1-0203	MSCB-1	Hold	Soil	10/12/2010	10:12	1	Ziploc		N
	S-MSCB1-0405	MSCB-1	Hold	Soil	10/12/2010	10:16	1	Ziploc		N
	S-MSCB1-0506	MSCB-1	Hold	Soil	10/12/2010	10:18	1	Ziploc		N
	S-MSCB1-0607	MSCB-1	Hold	Soil	10/12/2010	10:20	1	Ziploc		N
	S-MSCB1-0708	MSCB-1	Hold	Soil	10/12/2010	10:22	1	Ziploc		N
	S-MSCB3-0001	MSCB-3	Hold	Soil	10/14/2010	09:00	1	Ziploc		N
	S-MSCB3-0102	MSCB-3	Hold	Soil	10/14/2010	09:02	1	Ziploc		N
	S-MSCB3-0203	MSCB-3	Hold	Soil	10/14/2010	09:04	1	Ziploc		N
	S-MSCB3-0304	MSCB-3	Hold	Soil	10/14/2010	09:06	1	Ziploc		N
	S-MSCB4-0102	MSCB-4	Hold	Soil	10/13/2010	14:40	1	Ziploc		N
	S-MSCB4-0203	MSCB-4	Hold	Soil	10/13/2010	14:42	1	Ziploc		N
	S-MSCC1-0304	MSCC-1	Hold	Soil	10/12/2010	11:24	1	Ziploc		N
	S-MSCC1-0405	MSCC-1	Hold	Soil	10/12/2010	11:26	2	Ziploc	4 C	N
	S-MSCC4-0001	MSCC-4	Hold	Soil	10/13/2010	13:54	1	Ziploc		N

Special Instructions: Hold all samples for possible future analysis, per OSC Staiger.	<b>SAMPLES TRANSFERRED FROM</b>
	<b>CHAIN OF CUSTODY #</b>

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## CHAIN OF CUSTODY RECORD

Jewett White Lead Company

Contact Name: Joseph Schmidl

Contact Phone: 603-656-5461

**No: 2-101810-152126-0004**

Cooler #:

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-MSCF3-0304	MSCF-3	Hold	Soil	10/12/2010	14:54	1	Ziploc		N
	S-MSCF4-0102	MSCF-4	Hold	Soil	10/13/2010	10:20	1	Ziploc		N
	S-MSCF4-0304	MSCF-4	Hold	Soil	10/13/2010	10:24	1	Ziploc		N
	S-MSCF4-0506	MSCF-4	Hold	Soil	10/13/2010	10:30	1	Ziploc		N
	S-MSCF5-0102	MSCF-5	Hold	Soil	10/13/2010	09:40	1	Ziploc		N
	S-MSCF5-0203	MSCF-5	Hold	Soil	10/13/2010	09:42	1	Ziploc		N
	S-MSCF5-0405	MSCF-5	Hold	Soil	10/13/2010	09:50	1	Ziploc		N
	S-MSCF5-0506	MSCF-5	Hold	Soil	10/13/2010	09:52	1	Ziploc		N
	S-PO3-0001	PO-03	Hold	Soil	10/7/2010	09:55	1	Ziploc		N
	S-PO3-0102	PO-03	Hold	Soil	10/7/2010	09:57	1	Ziploc		N
	S-PO3-0203	PO-03	Hold	Soil	10/7/2010	10:00	1	Ziploc		N
	S-PO3-0203-E	PO-03	Hold	Soil	10/7/2010	10:00	1	Ziploc		N
	S-PO3-0304	PO-03	Hold	Soil	10/7/2010	10:02	1	Ziploc		N
	S-PO3-0405	PO-03	Hold	Soil	10/7/2010	10:29	1	Ziploc		N
	S-PO3-0506	PO-03	Hold	Soil	10/7/2010	10:30	1	Ziploc		N
	S-PO3-0607	PO-03	Hold	Soil	10/7/2010	10:35	1	Ziploc		N
	S-PO3-0708	PO-03	Hold	Soil	10/7/2010	10:37	1	Ziploc		N
	S-PO3-0809	PO-03	Hold	Soil	10/7/2010	10:45	1	Ziploc		N
	S-ZA1-0001	ZA-1	Hold	Soil	10/4/2010	10:30	1	Ziploc		N

Special Instructions: Hold all samples for possible future analysis, per OSC Staiger.	<b>SAMPLES TRANSFERRED FROM</b>
	<b>CHAIN OF CUSTODY #</b>

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DateShipped:

CarrierName:

AirbillNo:

## CHAIN OF CUSTODY RECORD

Jewett White Lead Company

Contact Name: Joseph Schmidl

Contact Phone: 603-656-5461

**No: 2-102010-054200-0005**

Cooler #:

Lab: EPA Region 2 Laboratory

Lab Phone: 732-906-6886

[illegible]

Special Instructions: Hold excess sample for possible future analysis.	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

DateShipped: 10/28/2010

Carrier Name:

Excluded by Hand

## Air-billing:

## CHAIN OF CUSTODY RECORD

**Jewett White Lead Company**

Contact Name: Joseph Schmidt

Contact Phone: 303-656-5461

No: 2-102710-113546-0006

Cooler #:

Lab. EPA, Region 2 Laboratory

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Container Cont	Preservative	MS/MSD
	GW-MSC1-010	MSC-01	-ead	Ground Water	10/28/2010	12:13	1 1 L poly	HNO3 pH<2	N
	GW-MSC2-010	MSC-02	-ead	Ground Water	10/28/2010	11:25	1 1 L poly	HNO3 pH<2	N
	GW-FC1-1010	PO-01	-ead	Ground Water	10/28/2010	10:20	2 1 L poly	HNO3 pH<2	Y
	GW-FC2-1010	PO-02	-ead	Ground Water	10/28/2010	09:28	1 1 L poly	HNO3 pH<2	N
	GW-FC2-1010-E	PO-02	-ead	Ground Water	10/28/2010	09:28	1 1 L poly	HNO3 pH<2	N
	RB-06	Decor	-ead	Blank	10/28/2010	13:00	1 1 L poly	HNO3 pH<2	N
	RB-07	Decor	-ead	Blank	10/28/2010	13:10	1 1 L poly	HNO3 pH<2	N
	SD-05	SW/SD-05	-ead	Sediment	10/28/2010	08:50	2 4 oz glass jar	4 C	Y
	SD-05-E	SW/SD-05	-ead	Sediment	10/28/2010	08:55	1 4 oz glass jar	4 C	N
	SD-06	SW/SD-06	-ead	Sediment	10/28/2010	11:05	1 4 oz glass jar	4 C	N
	SW-05	SW/SD-05	-ead	Surface Water	10/28/2010	08:35	2 1 L poly bottle	HNO3 pH<2	Y
	SW-05-E	SW/SD-05	-ead	Surface Water	10/28/2010	08:40	1 1 L poly bottle	HNO3 pH<2	N
	SW-05	SW/SD-06	-ead	Surface Water	10/28/2010	11:00	1 1 L poly bottle	HNO3 pH<2	N

**Special Instructions:** Hold excess solid sample for possible future analysis.

[illegible]



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

# Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201013938

EMSL ANALYTICAL, INC.  
3 COOPER STREET  
WESTMONT, NJ 08108  
PHONE: (856) 858-4800  
FAX: (856) 858-3899

Company: Weston Solutions, Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 45 Constitution Dr., Suite 100		Third Party Billing requires written authorization from third party	
City: Concord	State/Province: NH	Zip/Postal Code: 03301	Country: USA
Report To (Name): Joseph Schmidl		Fax #: 603/656-5401	
Telephone #: 603/656-5461		Email Address: Joseph.Schmidl@WestonSolutions.com	
Project Name/Number: Jewett White Lead Company			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order:	U.S. State Samples Taken: NY
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input checked="" type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
Matrix	Method	Instrument	Reporting Limit
Chips <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> % by wt.	SW846-7000B/7420 or AOC 974.02	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe
*If no box is checked, non-ASTM Wipe is assumed	SW846-6010B or C	ICP-AES	0.5 µg/wipe
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
Soil	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
Drinking Water	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
Other:		Preservation Method (Water): n/a	
Name of Sampler: Joseph Schmidl		Signature of Sampler: [Signature]	
Sample #	Location	Volume/Area	Date/Time Sampled
① U-1004	0755-1455	7hr	10/4/10 0755
② D1-1004	0755-1455	↓	0755
③ D2-1004	0755-1455	↓	0755
④ Sample 1-1004	1000-1450	↓	1000
⑤ Sample 1-1004	1005-1450	↓	1005
Client Sample #'s		Total # of Samples: 5	
Relinquished (Client): [Signature]	Date: 10/4/10	Time: 10:00	
Received (Lab): [Signature]	Date: 10/5/10	Time:	
Comments:			





EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

# Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

EMSL ANALYTICAL, INC.  
3 COOPER STREET  
WESTMONT, NJ 08108  
PHONE: (856) 858-4800  
FAX: (856) 858-3899

Company: <u>Western Solutions, Inc.</u>		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>1090 King Georges Post Rd</u>		Third Party Billing requires written authorization from third party	
City: <u>Edison</u>	State/Province: <u>NJ</u>	Zip/Postal Code: <u>08837</u>	Country: <u>USA</u>
Report To (Name): <u>Joe Schmidt</u>		Fax #:	
Telephone #: <u>603 453 0946</u>		Email Address: <u>Joe.Schmidt@western</u>	
Project Name/Number: <u>Jewett White Lead</u>			
Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email		Purchase Order: _____ U.S. State Samples Taken: _____	
<b>Turnaround Time (TAT) Options* - Please Check</b>			
<input type="checkbox"/> 3 Hour <input checked="" type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide</small>			
<b>Matrix</b>	<b>Method</b>	<b>Instrument</b>	<b>Reporting Limit</b>
Chips <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> % by wt.	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <small>*if no box is checked, non-ASTM Wipe is assumed</small>	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe
	SW846-6010B or C	ICP-AES	0.5 µg/wipe
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
Soil	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
Drinking Water	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
Other: _____		Preservation Method (Water): _____	
Name of Sampler: _____		Signature of Sampler: _____	
Sample #	Location	Volume/Area	Date/Time Sampled
D2-1005	Downwind #1		10/5/10 0700 - 1500
D2-1005	Downwind #2		"
U-1005	Upwind #1		"
S-1005	Sampler		"
O-1005	Operator		"
			"
Client Sample #'s: _____		Total # of Samples: _____	
Relinquished (Client): <u>[Signature]</u>	Date: <u>10/5/10</u>	Time: <u>1700</u>	
Received (Lab): _____	Date: _____	Time: _____	
Comments: _____			



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201014064

EMSL ANALYTICAL, INC.  
3 COOPER STREET  
WESTMONT, NJ 08108  
PHONE: (856) 858-4800  
FAX: (856) 858-3899

<b>Company:</b> Weston Solutions, Inc. <b>Street:</b> 45 Constitution Dr., Suite 100 <b>City:</b> Concord <b>State/Province:</b> NH <b>Zip/Postal Code:</b> 03301 <b>Country:</b> USA <b>Report To (Name):</b> Joseph Schmidl <b>Fax #:</b> 603/656-5401 <b>Telephone #:</b> 603/656-5461 <b>Email Address:</b> Joseph.Schmidl@WestonSolutions.com <b>Project Name/Number:</b> Jewett White Lead Company		<b>EMSL-Bill to:</b> <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments** <b>Third Party Billing requires written authorization from third party</b>		
<b>Please Provide Results:</b> <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <b>Purchase Order:</b> <b>U.S. State Samples Taken:</b> NY				
<b>Turnaround Time (TAT) Options* - Please Check</b> <input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week <small>*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide</small>				
<b>Matrix</b>	<b>Method</b>	<b>Instrument</b>	<b>Reporting Limit</b>	<b>Check</b>
Chips <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> % by wt.	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input checked="" type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter	<input type="checkbox"/>
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <small>*if no box is checked, non-ASTM Wipe is assumed</small>	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	0.5 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	<input type="checkbox"/>
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	<input type="checkbox"/>
Drinking Water	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
<b>Other:</b>		<b>Preservation Method (Water):</b> n/a		
<b>Name of Sampler:</b>		<b>Signature of Sampler:</b>		
<b>Sample #</b>	<b>Location</b>	<b>Volume/Area</b>	<b>Date/Time Sampled</b>	
1 U-1006	Upwind		10/6/10 0700-1300	
2 D1-1006	Downwind 1			
3 D2-1006	Downwind 2			
4 S-1006	Sampler			
5 O-1006	Operator			
<b>Client Sample #'s</b>		<b>Total # of Samples:</b> 5		
<b>Relinquished (Client):</b>	<b>Date:</b> 10/6/10	<b>Time:</b>	1706	
<b>Received (Lab):</b>	<b>Date:</b> 10/7/10	<b>Time:</b>		
<b>Comments:</b>				



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201014131

EMSL ANALYTICAL, INC.  
3 COOPER STREET  
WESTMONT, NJ 08108  
PHONE: (856) 858-4800  
FAX: (856) 858-3899

Company : Weston Solutions, Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 45 Constitution Dr., Suite 100		Third Party Billing requires written authorization from third party	
City: Concord	State/Province: NH	Zip/Postal Code: 03301	Country: USA
Report To (Name): Joseph Schmidl		Fax #: 603/656-5401	
Telephone #: 603/656-5461		Email Address: Joseph.Schmidl@WestonSolutions.com	
Project Name/Number: Jewett White Lead Company			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order:	U.S. State Samples Taken: NY
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
Matrix	Method	Instrument	Reporting Limit
Chips <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> % by wt.	SW846-7000B/7420 or AOC 974.02	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM *If no box is checked, non-ASTM Wipe is assumed	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe
	SW846-6010B or C	ICP-AES	0.5 µg/wipe
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
Soil	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
Drinking Water	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
Other:		Preservation Method (Water): n/a	
Name of Sampler: Scott Snyder		Signature of Sampler: <i>[Signature]</i>	
Sample #	Location	Volume/Area	Date/Time Sampled
5-1007	Sampler		10/17/10 0700-1500
0-1007	Operator		"
01-1007	Downwind #1		"
02-1007	Downwind #2		"
0-1007	Upwind		"
02-1007	Operator #2		10/17/10 0930-1500
Client Sample #'s		Total # of Samples:	
Relinquished (Client): <i>[Signature]</i>	Date: 10/21/10	Time: 1700	
Received (Lab): <i>[Signature]</i>	Date: 10/28/10	Time:	
Comments:			



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

# Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201014196

EMSL ANALYTICAL, INC.  
3 COOPER STREET  
WESTMONT, NJ 08108  
PHONE: (856) 858-4800  
FAX: (856) 858-3899

<b>Company :</b> Weston Solutions, Inc.		<b>EMSL-Bill to:</b> <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
<b>Street:</b> 45 Constitution Dr., Suite 100		Third Party Billing requires written authorization from third party	
<b>City:</b> Concord	<b>State/Province:</b> NH	<b>Zip/Postal Code:</b> 03301	<b>Country:</b> USA
<b>Report To (Name):</b> Joseph Schmidl		<b>Fax #:</b> 603/656-5401	
<b>Telephone #:</b> 603/656-5461		<b>Email Address:</b> Joseph.Schmidl@WestonSolutions.com	
<b>Project Name/Number:</b> Jewett White Lead Company			
<b>Please Provide Results:</b> <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		<b>Purchase Order:</b>	<b>U.S. State Samples Taken:</b> NY
<b>Turnaround Time (TAT) Options* - Please Check</b>			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
<b>Matrix</b>	<b>Method</b>	<b>Instrument</b>	<b>Reporting Limit</b>
<b>Chips</b> <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> % by wt.	SW846-7000B/7420 or AOC 974.02	Flame Atomic Absorption	0.01%
<b>Air</b>	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter
<b>Wipe*</b> <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM *If no box is checked, non-ASTM Wipe is assumed	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe
<b>TCLP</b>	SW846-6010B or C	ICP-AES	0.5 µg/wipe
	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
<b>Soil</b>	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
<b>Wastewater</b>	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
<b>Drinking Water</b>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
<b>Other:</b>		<b>Preservation Method (Water):</b> n/a	
<b>Name of Sampler:</b> Scott Snyder		<b>Signature of Sampler:</b> [Signature]	
<b>Sample #</b>	<b>Location</b>	<b>Volume/Area</b>	<b>Date/Time Sampled</b>
0-100's	Upwind		10-18-10 0700 10-18-10 1300
01-100's	Downwind #21		"
02-100's	Downwind #22		"
3-100's	Sampler		"
0-100's	Operator #1		"
02-100's	Operator #2		"
<b>Client Sample #'s</b>		<b>Total # of Samples:</b>	5
<b>Relinquished (Client):</b> [Signature]	<b>Date:</b> 10/18/10	<b>Time:</b> 1700	
<b>Received (Lab):</b> [Signature]	<b>Date:</b> 10/11/10	<b>Time:</b>	
<b>Comments:</b>			





EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

261014324

EMSL ANALYTICAL, INC.  
3 COOPER STREET  
WESTMONT, NJ 08108  
PHONE: (856) 858-4800  
FAX: (856) 858-3899

Company : Weston Solutions, Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**		
Street: 45 Constitution Dr., Suite 100		Third Party Billing requires written authorization from third party		
City: Concord	State/Province: NH	Zip/Postal Code: 03301	Country: USA	
Report To (Name): Joseph Schmidl		Fax #: 603/656-5401		
Telephone #: 603/656-5461		Email Address: Joseph.Schmidl@WestonSolutions.com		
Project Name/Number: Jewett White Lead Company				
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order:	U.S. State Samples Taken: NY	
Turnaround Time (TAT) Options* - Please Check				
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week				
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide				
Matrix	Method	Instrument	Reporting Limit	Check
Chips <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> % by wt.	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input checked="" type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter	<input type="checkbox"/>
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM *If no box is checked, non-ASTM Wipe is assumed	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	0.5 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	<input type="checkbox"/>
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	<input type="checkbox"/>
Drinking Water	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
Other:		Preservation Method (Water): n/a		
Name of Sampler: Scott Snyder		Signature of Sampler: <i>[Signature]</i>		
Sample #	Location	Volume/Area	Date/Time Sampled	
0-1012	Operator		8-12-10 0730 - 1500	
5-1012	Sampler			
01-1012	Downwind #1			
02-1012	Downwind #2			
0-1012	Upwind			
Client Sample #'s		Total # of Samples: 5		
Relinquished (Client):	<i>[Signature]</i>	Date: 10/12/10	Time: 1700	
Received (Lab):	<i>[Signature]</i>	Date: 10/13/10	Time: 1032 PM	
Comments:				



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201014380

EMSL ANALYTICAL, INC.  
3 COOPER STREET  
WESTMONT, NJ 08108  
PHONE: (856) 858-4800  
FAX: (856) 858-3899

Company : Weston Solutions, Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**		
Street: 45 Constitution Dr., Suite 100		Third Party Billing requires written authorization from third party		
City: Concord	State/Province: NH	Zip/Postal Code: 03301	Country: USA	
Report To (Name): Joseph Schmidl		Fax #: 603/656-5401		
Telephone #: 603/656-5461		Email Address: Joseph.Schmidl@WestonSolutions.com		
Project Name/Number: Jewett White Lead Company				
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order:	U.S. State Samples Taken: NY	
Turnaround Time (TAT) Options* - Please Check				
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input checked="" type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week	
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide				
Matrix	Method	Instrument	Reporting Limit	Check
Chips <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> % by wt.	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input checked="" type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter	<input type="checkbox"/>
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM *If no box is checked, non-ASTM Wipe is assumed	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	0.5 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	<input type="checkbox"/>
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	<input type="checkbox"/>
Drinking Water	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
Other:		Preservation Method (Water): n/a		
Name of Sampler: Scott Snyder		Signature of Sampler: <i>[Signature]</i>		
Sample #	Location	Volume/Area	Date/Time Sampled	
U-1013	Upwind		10-13-10 0930 - 1500	
D1-1013	Downwind #1		"	
D2-1013	Downwind #2		"	
S-1013	Sampler		10-13-10 0930 - 1500	
O-1013	Operator		10-13-10 0930 - 1500	
Client Sample #'s		Total # of Samples: 5		
Relinquished (Client):	<i>[Signature]</i>	Date: 10/13/10	Time: 1700	
Received (Lab):	<i>[Signature]</i>	Date: 10/14/10	Time: 1042 hr	
Comments:				



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201014584

EMSL ANALYTICAL, INC.  
3 COOPER STREET  
WESTMONT, NJ 08108  
PHONE: (856) 858-4800  
FAX: (856) 858-3899

Company: Weston Solutions, Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 45 Constitution Dr., Suite 100		Third Party Billing requires written authorization from third party	
City: Concord	State/Province: NH	Zip/Postal Code: 03301	Country: USA
Report To (Name): Joseph Schmidl		Fax #: 603/656-5401	
Telephone #: 603/656-5461		Email Address: Joseph.Schmidl@WestonSolutions.com	
Project Name/Number: Jewett White Lead Company			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order:	U.S. State Samples Taken: NY
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
Matrix	Method	Instrument	Reporting Limit
Chips <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> % by wt.	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe
	SW846-6010B or C	ICP-AES	0.5 µg/wipe
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
Soil	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
Drinking Water	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
Other:		Preservation Method (Water): n/a	
Name of Sampler: Anthony Daniels		Signature of Sampler: Anthony Daniels	
Sample #	Location	Volume/Area	Date/Time Sampled
① O-1014	Operator	0900-1300 @ 2.25 flow rate	10/14/10
② S-1014	Sampler	0900-1300 @ 2.25 flow rate	10/14/10
③ U-1014	Upwind	0830-1300 @ 2.25 flow rate	10/14/10
④ D1-1014	Downwind 1	0830-1300 @ 2.25 flow rate	10/14/10
⑤ D2-1014	Downwind 2	0830-1300 @ 2.25 flow rate	10/14/10
Client Sample #'s		Total # of Samples: 5	
Relinquished (Client):	Date: 10/18/10	Time: 1330	
Received (Lab):	Date: 10/19/10	Time:	
Comments:			



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

# Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

EMSL ANALYTICAL, INC.  
3 COOPER STREET  
WESTMONT, NJ 08108  
PHONE: (856) 858-4800  
FAX: (856) 858-3899

<b>Company :</b> Weston Solutions, Inc.		<b>EMSL-Bill to:</b> <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**		
<b>Street:</b> 45 Constitution Dr., Suite 100		Third Party Billing requires written authorization from third party		
<b>City:</b> Concord	<b>State/Province:</b> NH	<b>Zip/Postal Code:</b> 03301	<b>Country:</b> USA	
<b>Report To (Name):</b> Joseph Schmidl		<b>Fax #:</b> 603/656-5401		
<b>Telephone #:</b> 603/656-5461		<b>Email Address:</b> Joseph.Schmidl@WestonSolutions.com		
<b>Project Name/Number:</b> Jewett White Lead Company				
<b>Please Provide Results:</b> <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		<b>Purchase Order:</b>	<b>U.S. State Samples Taken:</b> NY	
<b>Turnaround Time (TAT) Options* - Please Check</b>				
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input checked="" type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week	
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide				
<b>Matrix</b>	<b>Method</b>	<b>Instrument</b>	<b>Reporting Limit</b>	<b>Check</b>
<b>Chips</b> <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> % by wt.	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
<b>Air</b>	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input checked="" type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter	<input type="checkbox"/>
<b>Wipe*</b> <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	0.5 µg/wipe	<input type="checkbox"/>
<b>TCLP</b>	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
<b>Soil</b>	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	<input type="checkbox"/>
<b>Wastewater</b>	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	<input type="checkbox"/>
<b>Drinking Water</b>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
<b>Other:</b>		<b>Preservation Method (Water):</b> n/a		
<b>Name of Sampler:</b> Scott Snyder		<b>Signature of Sampler:</b>		
<b>Sample #</b>	<b>Location</b>	<b>Volume/Area</b>	<b>Date/Time Sampled</b>	
U-1014	Upwind			
D1-1014	Downwind #1			
D2-1014	Downwind #2			
S-1014	Sampler			
O-1014	Operator			
<b>Client Sample #'s</b>		<b>Total # of Samples:</b>		5
<b>Relinquished (Client):</b>		<b>Date:</b>	10/14/10	<b>Time:</b> 1700
<b>Received (Lab):</b>		<b>Date:</b>		<b>Time:</b>
<b>Comments:</b>				



# **ATTACHMENT D**

## Site Photographic Documentation Log

## Jewett White Lead Company Site, October 2010



Photograph 1. 4 October 2010. Backhoe excavating Test Pit ZA-1.



Photograph 2. 4 October 2010. Collecting soil samples from 0-1, 1-2, 2-3, and 3-4 ft depth intervals of Test pit ZA-1.

## Jewett White Lead Company Site, October 2010



Photograph 3. 4 October 2010. Sampling 6-7 ft depth interval from excavator bucket at Test Pit ZA-1.



Photograph 4. 6 October 2010. Field portable XRF analytical station.



## Jewett White Lead Company Site, October 2010

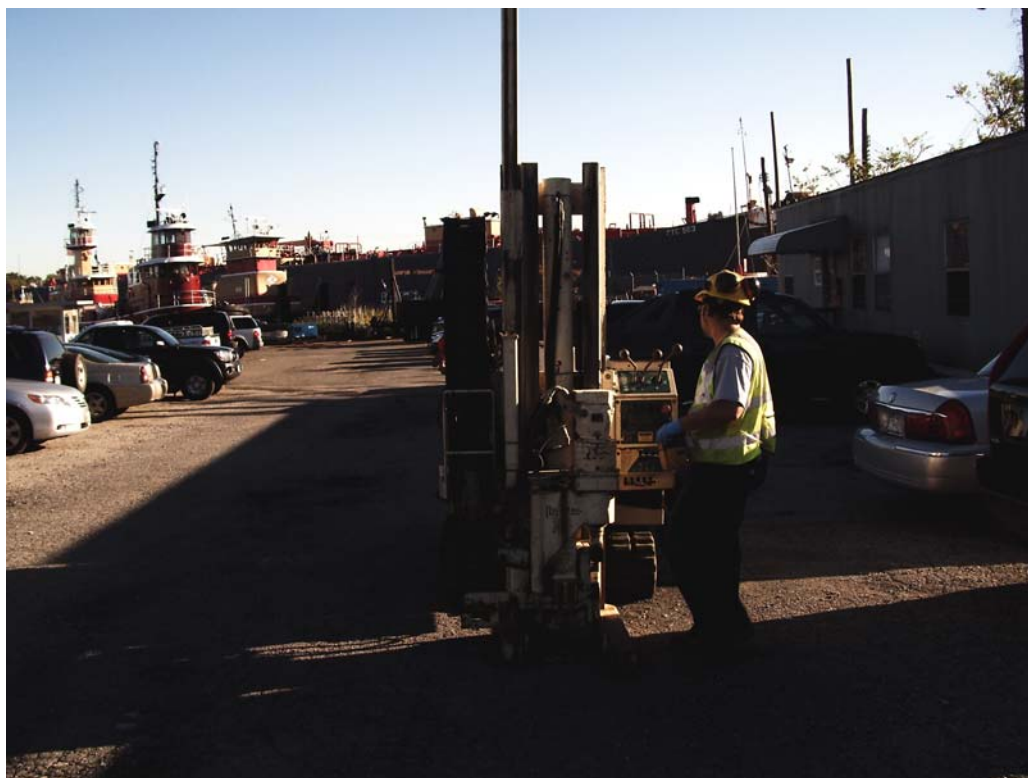


Photograph 5. 7 October 2010. Drilling well PO-2.

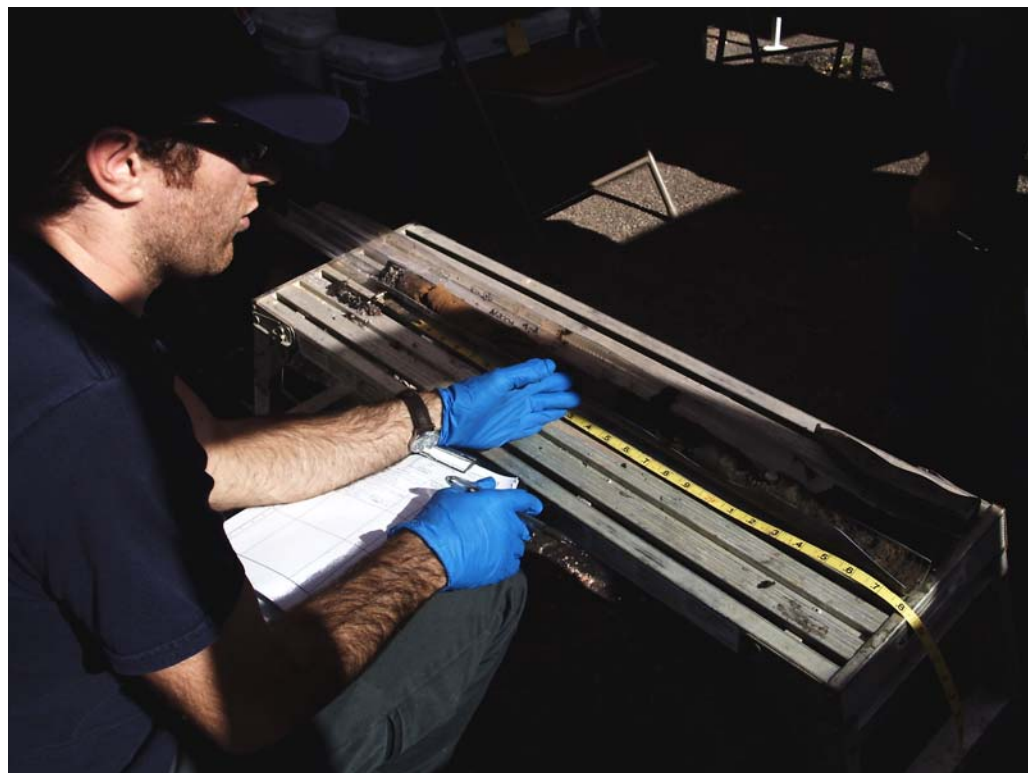


Photograph 6. 8 October 2010. Completion of well PO-1.

## Jewett White Lead Company Site, October 2010



Photograph 7. 13 October 2010. Soil Boring at Location MSCE-4.



Photograph 8. Date uncertain. Soil core being logged and prepared for sampling.



## Jewett White Lead Company Site, October 2010



Photograph 9. 19 October 2010. Collecting sediment sample using ponar sampler.

# **ATTACHMENT E**

## **Particulate Sample Analytical Results**

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800

Fax: (856) 858-9551

Email: [westmontleadlab@emsl.com](mailto:westmontleadlab@emsl.com)

Attn: **Joseph Schmidl**  
**Weston Solutions, Inc.**  
**45 Constitution Ave. 100**  
**Concord, NH 03301**

Customer ID: WESS62

Customer PO:

Received: 10/05/10 10:40 AM

EMSL Order: 201013938

Fax: (603) 656-5401 Phone: (603) 656-5400

Project: **Jewett White Lead Company**

EMSL Proj:

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)**

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Volume</i>	<i>Lead Concentration</i>
U-1004	0001	10/4/2010	10/5/2010	n/a	<4.0 µg/filter
D1-1004	0002	10/4/2010	10/5/2010	n/a	<4.0 µg/filter
D2-1004	0003	10/4/2010	10/5/2010	n/a	<4.0 µg/filter
Sampler 1-1004	0004	10/4/2010	10/5/2010	n/a	<4.0 µg/filter
Operator 1-1004	0005	10/4/2010	10/5/2010	n/a	<4.0 µg/filter

Initial report from

Shannon Kauffman, Lead Lab Supervisor  
or other approved signatory

Reporting limit is 4 µg/filter. ug/filter = ug/m<sup>3</sup> x volume sampled (m<sup>3</sup>). OSHA PEL - 50 µg/m<sup>3</sup>. OSHA action level - 30 µg/m<sup>3</sup>. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The regulatory method listed is only for reference purposes and as a guidance document for the EMSL SOP; slight modifications to the method applied.

Samples analyzed by EMSL Analytical, Inc. 3 Cooper St., Westmont NJ NJ-NELAP: 04653, AIHA-LAP, LLC. ELLAP Accreditation 100194



**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800

Fax: (856) 858-9551

Email: [westmontleadlab@emsl.com](mailto:westmontleadlab@emsl.com)

Attn: **Weston Solutions (King Georges Post)**  
**1090 King Georges Post Road**  
**Suite 201**  
**Edison, NJ 08837-3703**

Customer ID: RFE53

Customer PO:

Received: 10/06/10 10:49 AM

EMSL Order: 201013991

Fax: Phone: (732) 585-4400

Project: **Jewitt White Lead**

EMSL Proj:

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)**

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Volume</i>	<i>Lead Concentration</i>
D1-1005	0001	10/6/2010	n/a		<4.0 µg/filter
Site: Downwind #1					
D2-1005	0002	10/6/2010	n/a		<4.0 µg/filter
Site: Downwind #2					
U-1005	0003	10/6/2010	n/a		<4.0 µg/filter
Site: Upwind #1					
S-1005	0004	10/6/2010	n/a		<4.0 µg/filter
Site: Sampler					
O-1005	0005	10/6/2010	n/a		<4.0 µg/filter
Site: Operator					

Initial report from 10/06/2010 16:59:16

Shannon Kauffman, Lead Lab Supervisor  
or other approved signatory

Reporting limit is 4 µg/filter. ug/filter = ug/m<sup>3</sup> x volume sampled (m<sup>3</sup>). OSHA PEL - 50 µg/m<sup>3</sup>. OSHA action level - 30 µg/m<sup>3</sup>. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The regulatory method listed is only for reference purposes and as a guidance document for the EMSL SOP; slight modifications to the method applied.

Samples analyzed by EMSL Analytical, Inc. 3 Cooper St., Westmont NJ NJ-NELAP: 04653, AIHA-LAP, LLC. ELLAP Accreditation 100194

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800

Fax: (856) 858-9551

Email: [westmontleadlab@emsl.com](mailto:westmontleadlab@emsl.com)

Attn: **Joseph Schmidl**  
**Weston Solutions, Inc.**  
**45 Constitution Ave. 100**  
**Concord, NH 03301**

Customer ID: WESS62

Customer PO:

Received: 10/07/10 9:59 AM

EMSL Order: 201014064

Fax: (603) 656-5401 Phone: (603) 656-5400

Project: **Jewett White Lead Company**

EMSL Proj:

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)**

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Volume</i>	<i>Lead Concentration</i>
U-1006	0001	10/7/2010	n/a		<4.0 µg/filter
	Site: Upwind				
D1-1006	0002	10/7/2010	n/a		<4.0 µg/filter
	Site: Downwind 1				
D2-1006	0003	10/7/2010	n/a		<4.0 µg/filter
	Site: Downwind 2				
S-1006	0004	10/7/2010	n/a		<4.0 µg/filter
	Site: Sampler				
O-1006	0005	10/7/2010	n/a		<4.0 µg/filter
	Site: Operator				

Initial report from

Shannon Kauffman, Lead Lab Supervisor  
or other approved signatory

Reporting limit is 4 µg/filter. ug/filter = ug/m<sup>3</sup> x volume sampled (m<sup>3</sup>). OSHA PEL - 50 µg/m<sup>3</sup>. OSHA action level - 30 µg/m<sup>3</sup>. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The regulatory method listed is only for reference purposes and as a guidance document for the EMSL SOP; slight modifications to the method applied.

Samples analyzed by EMSL Analytical, Inc. 3 Cooper St., Westmont NJ NJ-NELAP: 04653, AIHA-LAP, LLC. ELLAP Accreditation 100194

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800

Fax: (856) 858-9551

Email: [westmontleadlab@emsl.com](mailto:westmontleadlab@emsl.com)

Attn: **Joseph Schmidl**  
**Weston Solutions, Inc.**  
**45 Constitution Ave. 100**  
**Concord, NH 03301**

Customer ID: WESS62

Customer PO:

Received: 10/08/10 10:45 AM

EMSL Order: 201014131

Fax: (603) 656-5401 Phone: (603) 656-5400

Project: **Jewett White Lead Company**

EMSL Proj:

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)**

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Volume</i>	<i>Lead Concentration</i>
S-1007	0001	10/11/2010	n/a		<4.0 µg/filter
Site: Sampler					
O-1007	0002	10/11/2010	n/a		<4.0 µg/filter
Site: Operator					
D1-1007	0003	10/11/2010	n/a		<4.0 µg/filter
Site: Downwind #1					
D2-1007	0004	10/11/2010	n/a		<4.0 µg/filter
Site: Downwind #2					
U-1007	0005	10/11/2010	n/a		<4.0 µg/filter
Site: Upwind					
O2-1007	0006	10/11/2010	n/a		<4.0 µg/filter
Site: Operator #2					

Initial report from

Shannon Kauffman, Lead Lab Supervisor  
or other approved signatory

Reporting limit is 4 µg/filter. ug/filter = ug/m<sup>3</sup> x volume sampled (m<sup>3</sup>). OSHA PEL - 50 µg/m<sup>3</sup>. OSHA action level - 30 µg/m<sup>3</sup>. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The regulatory method listed is only for reference purposes and as a guidance document for the EMSL SOP; slight modifications to the method applied.

Samples analyzed by EMSL Analytical, Inc. 3 Cooper St., Westmont NJ NJ-NELAP: 04653, AIHA-LAP, LLC. ELLAP Accreditation 100194

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800

Fax: (856) 858-9551

Email: [westmontleadlab@emsl.com](mailto:westmontleadlab@emsl.com)

Attn: **Joseph Schmidl**  
**Weston Solutions, Inc.**  
**45 Constitution Ave. 100**  
**Concord, NH 03301**

Customer ID: WESS62  
Customer PO:  
Received: 10/11/10 10:11 AM  
EMSL Order: 201014196

Fax: (603) 656-5401 Phone: (603) 656-5400  
Project: **Jewett White Lead Company**

EMSL Proj:

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)**

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Volume</i>	<i>Lead Concentration</i>
U-1008	0001	10/12/2010	n/a		<4.0 µg/filter
	Site: Upwind				
D1-1008	0002	10/12/2010	n/a		<4.0 µg/filter
	Site: Downwind #1				
D2-1008	0003	10/12/2010	n/a		<4.0 µg/filter
	Site: Downwind #2				
S-1008	0004	10/12/2010	n/a		<4.0 µg/filter
	Site: Sampler				
O-1008	0005	10/12/2010	n/a		<4.0 µg/filter
	Site: Operator #1				
O2-1008	0006	10/12/2010	n/a		<4.0 µg/filter
	Site: Operator #2				

Initial report from

Shannon Kauffman, Lead Lab Supervisor  
or other approved signatory

Reporting limit is 4 µg/filter. ug/filter = ug/m<sup>3</sup> x volume sampled (m<sup>3</sup>). OSHA PEL - 50 µg/m<sup>3</sup>. OSHA action level - 30 µg/m<sup>3</sup>. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The regulatory method listed is only for reference purposes and as a guidance document for the EMSL SOP; slight modifications to the method applied.

Samples analyzed by EMSL Analytical, Inc. 3 Cooper St., Westmont NJ NJ-NELAP: 04653, AIHA-LAP, LLC. ELLAP Accreditation 100194

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800

Fax: (856) 858-9551

Email: [westmontleadlab@emsl.com](mailto:westmontleadlab@emsl.com)

Attn: **Joseph Schmidl**  
**Weston Solutions, Inc.**  
**45 Constitution Ave. 100**  
**Concord, NH 03301**

Customer ID: WESS62  
Customer PO:  
Received: 10/13/10 10:32 AM  
EMSL Order: 201014324

Fax: (603) 656-5401 Phone: (603) 656-5400

Project: **Jewett White Lead Company**

EMSL Proj:

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)**

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Volume</i>	<i>Lead Concentration</i>
O-1012	0001	8/12/2010	10/14/2010	n/a	<4.0 µg/filter
Site: Operator					
S-1012	0002	8/12/2010	10/14/2010	n/a	<4.0 µg/filter
Site: Sampler					
D1-1012	0003	8/12/2010	10/14/2010	n/a	<4.0 µg/filter
Site: Downwind #1					
D2-1012	0004	8/12/2010	10/14/2010	n/a	<4.0 µg/filter
Site: Downwind #2					
U-1012	0005	8/12/2010	10/14/2010	n/a	<4.0 µg/filter
Site: Upwind					

Initial report from 10/14/2010 15:26:51

Shannon Kauffman, Lead Lab Supervisor  
or other approved signatory

Reporting limit is 4 µg/filter. ug/filter = ug/m<sup>3</sup> x volume sampled (m<sup>3</sup>). OSHA PEL - 50 µg/m<sup>3</sup>. OSHA action level - 30 µg/m<sup>3</sup>. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The regulatory method listed is only for reference purposes and as a guidance document for the EMSL SOP; slight modifications to the method applied.

Samples analyzed by EMSL Analytical, Inc. 3 Cooper St., Westmont NJ NJ-NE LAP: 04653, AIHA-LAP, LLC. ELLAP Accreditation 100194

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800

Fax: (856) 858-9551

Email: [westmontleadlab@emsl.com](mailto:westmontleadlab@emsl.com)

Attn: **Joseph Schmidl**  
**Weston Solutions, Inc.**  
**45 Constitution Ave. 100**  
**Concord, NH 03301**

Customer ID: WESS62

Customer PO:

Received: 10/14/10 10:42 AM

EMSL Order: 201014380

Fax: (603) 656-5401 Phone: (603) 656-5400

Project: **Jewett White Lead Company**

EMSL Proj:

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)**

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Volume</i>	<i>Lead Concentration</i>
U-1013	0001	10/13/2010	10/15/2010	n/a	<4.0 µg/filter
Site: Upwind					
D1-1013	0002	10/13/2010	10/15/2010	n/a	<4.0 µg/filter
Site: Downwind #1					
D2-1013	0003	10/13/2010	10/15/2010	n/a	<4.0 µg/filter
Site: Downwind #2					
S-1013	0004	10/13/2010	10/15/2010	n/a	<4.0 µg/filter
Site: Sampler					
O-1013	0005	10/13/2010	10/15/2010	n/a	<4.0 µg/filter
Site: Operator					

Initial report from 10/15/2010 13:53:24

Shannon Kauffman, Lead Lab Supervisor  
or other approved signatory

Reporting limit is 4 µg/filter. ug/filter = ug/m<sup>3</sup> x volume sampled (m<sup>3</sup>). OSHA PEL - 50 µg/m<sup>3</sup>. OSHA action level - 30 µg/m<sup>3</sup>. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The regulatory method listed is only for reference purposes and as a guidance document for the EMSL SOP; slight modifications to the method applied.

Samples analyzed by EMSL Analytical, Inc. 3 Cooper St., Westmont NJ NJ-NELAP: 04653, AIHA-LAP, LLC. ELLAP Accreditation 100194

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Attn: **Joseph Schmidl**  
**Weston Solutions, Inc.**  
**45 Constitution Ave. 100**  
**Concord, NH 03301**

Customer ID: WESS62

Customer PO:

Received: 10/19/10 10:35 AM

EMSL Order: 201014584

Fax: (603) 656-5401 Phone: (603) 656-5400

Project: **Jewett White Lead Company**

EMSL Proj:

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)**

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Volume</i>	<i>Lead Concentration</i>
O-1014	0001	10/14/2010	10/19/2010	540 L	<7.4 µg/m <sup>3</sup>
Site: Operator					
S-1014	0002	10/14/2010	10/19/2010	540 L	<7.4 µg/m <sup>3</sup>
Site: Sampler					
U-1014	0003	10/14/2010	10/19/2010	607.5 L	<6.6 µg/m <sup>3</sup>
Site: Upwind					
D1-1014	0004	10/14/2010	10/19/2010	607.5 L	<6.6 µg/m <sup>3</sup>
Site: Downwind 1					
D2-1014	0005	10/14/2010	10/19/2010	607.5 L	<6.6 µg/m <sup>3</sup>
Site: Downwind 2					

Initial report from 10/20/2010 13:04:59

Shannon Kauffman, Lead Lab Supervisor  
or other approved signatory

Reporting limit is 4 µg/filter. ug/filter = ug/m<sup>3</sup> x volume sampled (m<sup>3</sup>). OSHA PEL - 50 µg/m<sup>3</sup>. OSHA action level - 30 µg/m<sup>3</sup>. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The regulatory method listed is only for reference purposes and as a guidance document for the EMSL SOP; slight modifications to the method applied.

Samples analyzed by EMSL Analytical, Inc. 3 Cooper St., Westmont NJ NJ-NELAP: 04653, AIHA-LAP, LLC. ELLAP Accreditation 100194