Georgia Environmental Protection Division
Land Protection Branch
Response and Remediation Program
Response Development Units 1 – 3

2 Martin Luther King Jr. Dr. SE
Suite 1054 East Tower
Atlanta, Georgia 30334
Phone: 404-657-8600

Document Submittal Form

Instructions: This form should be completed and included with any document submitted to the Response and Remediation Program, Response Development Units 1 – 3, that is greater than 25 pages in length or that contains paper sizes larger than 11"x17". This includes Release Notifications and documents related to Hazardous Site Inventory and Voluntary Remediation Program sites. Contact Brownfield Unit staff for Brownfield submittal guidelines. Your cooperation helps to ensure that documents are filed correctly, completely, and efficiently.

Name of Document:	Eighth Semiannual Progress Report
Date of Document:	November 2, 2016
Site Name:	Welcome Years
Site ID Number:	10637

Document Submittal Checklist. Please certify that the submittal includes the following by checking each box as appropriate. Items 1 – 3 should be checked / included / certified for each submittal:

☒ 1. One paper copy of the document (double-sided is preferred)

☒ 2. Two compact discs (CDs), each containing an electronic copy of the document as a single, searchable, Portable Document Format (PDF) file. Only one CD is needed for Release Notifications. CDs should be labeled at a minimum with the following: 1) Name of Document, 2) Date of Document, 3) Site Name, and 4) Site Number. Any scanned images should have a resolution of at least 300 dpi and should be in color if applicable.

☒ 3. The electronic copies are complete, virus free, and identical to the paper copy except as described in Item 4 below.

☐ 4. (Optional) To reduce the size of the paper copy, certain voluminous information has been omitted from the paper copy and is included only with the electronic copies:

- ☐ laboratory data sheets
- ☐ manifests
- ☐ other:

I certify that the information I am submitting is, to the best of my knowledge and belief, true, accurate, and complete.

Signature: Leona A. Miles

Name (printed): Leona A. Miles

Date: 11/2/2016

Organization: AEM, Inc.

Phone: 404-329-9006

Email: Leona-miles@aem-net.com

Receipt Date
(for EPD use only)

Atlanta Environmental Management, Inc.
Environmental Consulting, Engineering, Hydrogeologic Services

November 2, 2016

Mr. Jason Metzger
Program Manager
Response & Remediation Program
Land Protection Branch
Georgia Department of Natural Resources
Environmental Protection Division
2 Martin Luther King Jr. Dr SE, Suite 1054 East
Atlanta, Georgia 30334

Re: Eighth Semiannual Progress Report
Welcome Years, Inc., VRP/HSI Site No. 10637
Properties of VLP2, LLC
1115 Howell Mill Rd, 673 Ethel St, 720 Fourteenth St, and "0" Fourteenth St
Atlanta, Fulton County, Georgia 30318
Tax Parcels: 17-0150-0009-064-9, 17-0150-0009-076-3, 17-0150-0009-062-3, and 17-0150-0009-061-5
AEM Project No. 1396-1601-4

Dear Mr. Metzger:

On behalf of VLP2, LLC, Atlanta Environmental Management, Inc. (AEM) is providing this Eighth Semiannual Progress Report regarding activities conducted for the Welcome Years, Inc., Voluntary Remediation Program (VRP)/HSI Site No. 10637. The Voluntary Investigation and Remediation Plan (VIRP) was approved by the Georgia Environmental Protection Division (EPD) on November 2, 2012. A summary of the activities completed between May 3, 2016, and October 31, 2016, is provided below.

- VLP2, LLC, contracted with Metro Engineering & Surveying Co., Inc., to prepare a topographic survey of the Welcome Years properties.
- Based on review of the survey, AEM completed additional soil assessment activities on Trendco Vick property to determine the extent of lead in soil along the eastern and northern slopes of the Trendco Vick property. AEM installed four soil borings (S-99 through S-102) (see Figure 1). Table 1 presents a historical summary of the detections of lead in soil. The laboratory analytical report for borings S-99 through S-102 is provided in Attachment A.
- Negotiations with off-site property owners for access to monitoring wells for completion of the 2016 Annual Groundwater Monitoring Event. This event is currently scheduled to be completed the week of December 5–9, 2016.
- AEM began preparation of design drawings for the soil corrective action remedy option, which consists of installing a two-foot soil and/or asphalt/concrete cap over select areas of the Welcome Years site where lead in soil exceeds the Type 2 and/or Type 3 Risk Reduction Standard. The preparation of drawings is in anticipation of completing corrective action in accordance with project schedule end date of November 2017.

ACTIVITIES TO BE CONDUCTED DURING THE NEXT PROGRESS REPORTING PERIOD

- Conduct of the 2016 annual groundwater sampling event.
- Completion of the Environmental Cap Drawings
- Submittal of the Ninth Semiannual Progress Report, due May 2, 2017.

A monthly summary of hours expended by Mr. Art Picken, P.E., as part of this semiannual progress report is provided in Attachment B.

If you need anything else or have any questions, please call us at (404) 329-9006.

Sincerely,

Atlanta Environmental Management, Inc.

Leona Miles, CHMM
Project Manager

for

Janet T. Hart
President

/krf

c: Anthony Zivalich (VLP2, LLC), via PDF e-mail copy
Noriko Walker (VLP2, LLC), via PDF e-mail copy
Leah Knowlton (Taylor English), via PDF e-mail copy
Art Picken (AEM)

Attachments

TABLE

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-1					S-2						S-3						S-4		
	0-6"	5'	10'	15'	20'	0-6"	2'	5'	10'	15'	20'	0-6"	2'	5'	10'	15'	20'	0-6"	2'	5'
Lead	**12.9**	**11.6**	**6.91**	**9.74**	**10.4**	**12.0**	**10.2**	**8.82**	**7.73**	**5.92**	<4.99	**10.6**	**15.7**	**7.77**	**8.07**	**4.99**	**5.26**	**38.1**	**11.2**	**14.7**
XRF Lead Results	12	<11	27	<13	22	16	28	35	19	18	<12	12	17	18	17	24	15	17	23	31
Date	3/2/2016					3/2/2016						3/2/2016						3/1/2016		

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-5			S-6			S-7			S-8			S-9				S-10			S-11		
	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	10'	0-6"	2'	5'	0-6"	2'	5'
Lead	**21.6**	**17.1**	**13.5**	**86.1**	**43**	**12.1**	**8.78**	**6,610**	**24.4**	**47.6**	**42.6**	**24.2**	**152**	**19.1**	**17.9**	**9.89**	**22.7**	**19.1**	<5.40	**27.3**	**16.1**	**18.9**
XRF Lead Results	37	60	20	<14	78	21	<19	309	26	48	99	31	119	44	25	33	11	21	23	<11	14	41
Date	3/1/2016			3/1/2016			3/1/2016			2/29/2016			2/29/2016				3/1/2016			3/1/2016		

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-12			S-13			S-14					S-15					S-16				
	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	10'	15'	0-6"	2'	5'	10'	15'	0-6"	2'	5'	10'	15'
Lead	**42.4**	**16.7**	**13.6**	<4.80	**20.2**	**59.8**	**72.0**	**12.1**	**295**	**20.8**	**9.63**	**691**	**14.2**	**22.4**	**11.2**	**13.2**	**37.4**	**165**	**149**	**43.3**	**10.8**
XRF Lead Results	3	19	26	74	15	24	25	46	230	14	16	865	20	14	42	12	30	2,043	124	44	17
Date	3/1/2016			3/1/2016			2/29/2016					2/29/2016					2/29/2016				

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-17						S-18			S-19			S-20			S-21			S-22		
	0-6"	2'	5'	10'	15'	20'	0-6"	2'	4'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'
Lead	**125**	**9,180**	**3,000**	**802**	**9.32**	**9.14**	**18.8**	**14.7**	**13.7**	**27.1**	**12.8**	**66**	**31.7**	**21**	**13.9**	**79.3**	**18.2**	**11.1**	**22.7**	**15**	**55.2**
XRF Lead Results	152	1,224	1,453	269	31	16	16	19	29	19	30	16	50	29	61	20	25	<10	20	16	5
Date	2/29/2016						3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/2/2016		

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-23					S-24						S-25						S-26					
	0-6"	2'	5'	10'	15'	0-6"	2'	5'	10'	15'	20'	0-6"	2'	5'	10'	15'	20'	0-6"	2'	5'	10'	15'	20'
Lead	**14.3**	**15.4**	**441**	**13.4**	**11**	**121**	**9.35**	**235**	**679**	<7.55	**20.4**	**532**	**547**	**118**	**43.9**	<6.32	**18.2**	**66.6**	**16.2**	**52**	**910**	**1,020**	**34.7**
XRF Lead Results	15	21	<10	27	11	57	25	564	274	162	640	<32	1,191	143	30	<9	37	--	75	223	124	225	67
Date	2/29/2016					2/29/2016						2/29/2016						2/29/2016					

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-27	S-28			S-29			S-30			S-31			S-32			S-33			
	2'	1'	2'	5'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	10'
Lead	**17.4**	**1,400**	**13.2**	**16.9**	**231**	**14**	**11.7**	**222**	**16.6**	**12.7**	**136**	**1,370**	**9.42**	**599**	**2,380**	**9.8**	**14.9**	**8,270**	**9.83**	<4.92
XRF Lead Results	30	3,186	13	24	38	19	<12	99	20	<9	<22	746	45	76	8,616	<12	<14	--	18	23
Date		3/2/2016			3/2/2016			3/2/2016			3/2/2016			3/2/2016			3/3/2016			

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-34			S-35				S-36			S-37			S-38			S-39			
	2'	5'	10'	0-6"	2'	5'	10'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	10'
Lead	**11.1**	**16.6**	**12.0**	**12.9**	**34.7**	**7.83**	**9.19**	**23.5**	**677**	**8.51**	**294**	**996**	**10.1**	**568**	**39.2**	**7.91**	**8.24**	**8.5**	**8.98**	<5.28
XRF Lead Results	--	40	27	<15	33	52	41	242	1,671	50	21	550	25	23	34	31	<17	<12	16	22
Date	3/3/2016			3/3/2016				3/3/2016			3/3/2016			3/2/2016			3/3/2016			

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-40				S-41				S-42		S-43			S-44			S-45			S-46		
	0-6"	2'	5'	10'	0-6"	2'	5'	10'	0-6"	2'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'
Lead	**13.7**	**12.0**	**5.80**	**4.76**	**53.1**	**8.57**	**8.68**	**5.26**	**19.1**	**55.4**	**50.7**	**23.9**	**11.7**	**17.8**	**13.2**	**14.2**	**255**	**29.9**	**15.6**	**347**	**1,370**	**203**
XRF Lead Results	15	38	20	18	20	41	25	13	36	34	21	<18	<19	30	26	39	106	245	31	211	1,968	138
Date	3/3/2016				3/3/2016				3/9/2016		3/9/2016			3/8/2016			3/8/2016			3/8/2016		

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-47					S-48		S-49			S-50			S-51			S-52		
	0-6"	2'	5'	10'	15'	0-6"	2'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'
Lead	**1,370**	**694**	**10.1**	**8.85**	**6.37**	**349**	**101**	**93.5**	**13.3**	**15.1**	**57.6**	**17.0**	**13.1**	**34.3**	**823**	**7.07**	**132**	<4.52	**5.61**
XRF Lead Results	505	--	15	24	21	221	78	104	<19	20	66	37	30	266	59	22	35	25	<18
Date	3/7/2016					3/9/2016		3/9/2016			3/8/2016			3/8/2016			3/8/2016		

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-53			S-54				S-55				S-56			
	0-6"	2'	5'	0-6"	2'	5'	10'	0-6"	2'	5'	10'	0-6"	2'	5'	10'
Lead	**311**	**151**	<4.71	**259**	**17.7**	**826**	**13.4**	**16.6**	**16.8**	**23.2**	**12.8**	**142**	**16.9**	**20.3**	**16.3**
XRF Lead Results	523	50	--	179	30	576	<26	48	27	66	30	108	49	<19	<19
Date	3/7/2016			3/9/2016				3/9/2016				3/8/2016			

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-57				S-58					S-59						S-60					
	0-6"	2'	5'	10'	0-6"	2'	5'	10'	15'	0-6"	2'	5'	10'	15'	20'	0-6"	2'	5'	10'	15'	20'
Lead	**19.3**	**21.4**	**325**	<4.89	**20.5**	**22.7**	**31**	<4.80	**6.46**	**277**	**22.1**	**896**	**309**	**185**	**14.7**	**251**	**183**	**58,100**	**258**	**45.6**	**62.0**
XRF Lead Results	96	<19	259	<23	31	26	<15	<16	<14	164	40	609	234	2,350	31	185	58	904	226	67	301
Date	3/8/2016				3/8/2016					3/7/2016						3/9/2016					

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-61				S-62					S-63					S-64					
	0-6"	2'	5'	10'	0-6"	2'	5'	10'	15'	0-6"	2'	5'	10'	15'	0-6"	2'	5'	10'	15'	20'
Lead	**94.5**	**13.0**	**49.7**	**269**	**18.5**	**11.4**	**747**	NR	**14.2**	**18.1**	**20.9**	**70.2**	**914**	**10.0**	**33.8**	**22.5**	**31.4**	**453**	**1,950**	**9.89**
XRF Lead Results	121	30	99	49	<21	45	519	144	<18	45	22	28	--	12	58	78	59	2,628	212	<16
Date	3/9/2016				3/9/2016					3/8/2016					3/8/2016					

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-65					S-66					S-67					S-68					
	0-6"	2'	5'	10'	15'	0-6"	2'	5'	10'	14'	0-6"	2'	5'	10'	15'	0-6"	2'	5'	10'	15'	20'
Lead	**19.4**	18.1	**38.0**	**143**	**8.10**	**244**	<5.46	**118**	**221**	**11.2**	**174**	**234**	**1,400**	**68,200**	**26,300**	**42.6**	**58.0**	**210**	**199**	**999**	**175**
XRF Lead Results	<19	46	26	86	40	126	15	<10	1,345	29	211	101	2,052	17,600	1,978	180	45	34	<15	108	150
Date	3/8/2016					3/7/2016					3/4/2016					3/9/2016					

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-69					S-70						S-71							S-72						
	0-6"	2'	5'	10'	15'	0-6"	2'	5'	10'	15'	20'	0-6"	2'	5'	10'	15'	20'	25'	0-6"	2'	5'	10'	15'	20'	25'
Lead	**17.8**	**25.2**	**18.9**	**50.5**	**11.9**	**31.5**	**10.6**	**73.7**	**2,640**	**691**	**88.5**	**13.4**	**23.4**	**28.4**	**133**	**296**	**687**	**3,270**	**24.2**	**15**	**41.2**	**787**	**125**	**513**	**104**
XRF Lead Results	<24	41	91	43	<23	<16	<15	20	248	830	121	35	40	31	1,084	216	995	627	65	26	37	535	485	211	27
Date	3/9/2016					3/9/2016						3/7/2016							3/7/2016						

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-73							S-74				S-75						S-76				S-77			
	0-6"	2'	5'	10'	15'	20'	25'	0-6"	2'	5'	10'	0-6"	2'	5'	10'	15'	20'	0-6"	2'	5'	10'	0-6"	2'	5'	10'
Lead	**150**	**528**	**6.53**	**43.6**	**31.8**	**17.3**	**40.2**	**122**	**215**	**139**	**17.4**	**25.7**	**101**	**9.29**	**10**	**1,850**	**126**	**53.7**	**19.9**	**11.2**	**9.75**	**35.9**	**87.7**	**14.1**	**13.6**
XRF Lead Results	85	16	17	125	41	16	25	145	103	54	173	93	82	<24	466	144	--	24	57	27	47	<18	175	65	24
Date	3/7/2016							3/4/2016				3/4/2016						3/4/2016				3/4/2016			

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-78				S-79							S-80			S-81			S-82					
	0-6"	2'	5'	10'	0-6"	2'	5'	10'	15'	20'	25'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	10'	15'	20'
Lead	**16.3**	**45.3**	**9.61**	**11.8**	**56.7**	**23.5**	**25.1**	**7.61**	**358**	**33.8**	**1,430**	**26.1**	**21.7**	**8.05**	**60**	**18.8**	**8.15**	**61.8**	**22.7**	**138**	**17.9**	**10.5**	**6.75**
XRF Lead Results	35	139	<14	<14	29	30	38	<10	640	1,346	86	22	34	13	54	28	29	81	46	245	<25	<21	<18
Date	3/4/2016				3/7/2016							3/7/2016			3/10/2016			3/10/2016					

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-83						S-84			S-85			S-86							S-87			S-88		
	0-6"	2'	5'	10'	15'	20'	0-6"	2'	5'	0-6"	2'	5'	0-6"	2'	5'	10'	15'	20'	25'	0-6"	2'	5'	0-6"	2'	5'
Lead	**36.6**	**51.3**	**11.7**	**70**	**48**	**5.91**	**16**	**20.9**	**12.4**	**60.3**	**34.4**	**24.3**	**24.3**	**79.2**	**105**	**9.45**	**95.7**	**7.73**	**8.65**	**30**	**9.68**	**9.42**	**87.8**	**8.7**	**10.0**
XRF Lead Results	53	57	27	49	<20	24	44	31	19	50	38	34	43	50	25	18	606	<9	16	34	16	<11	155	<15	<21
Date	3/4/2016						3/4/2016			3/4/2016			3/7/2016							3/7/2016			3/10/2016		

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

Table 1. Historical Summary of Concentrations of Lead in Soil
Welcome Years HSI Site No. 10637
Atlanta, Georgia

	S-89		S-90		S-91			S-92		S-93		S-94		S-95	S-96	S-97	S-99		S-100		S-101		S-102	
	0-6"	2'	0-6"	2'	0-6"	2'	5'	1'	2'	2'	5'	2'	5'				6"	2'	6"	2'	6"	2'	6"	2'
Lead	**8.57**	**23**	**6.04**	<5.27	**29**	**8.89**	**128**	**24,900**	**16.4**	**11.6**	**13.2**	**1,080**	**6.65**	NS	NS	NS	**206**	**71.8**	**717**	**3,000**	**174**	**400**	**686**	**708**
XRF Lead Results	<17	26	30	<21	18	30	155	26,600	38	695	20	2,637	<12	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Date	3/10/2016		3/10/2016		3/4/2016			3/2/2016		3/2/2016		3/2/2016		3/2/2016	3/2/2016	3/2/2016	9/22/2016		9/22/2016		9/22/2016		9/22/2016	

Notes:
Results reported in milligrams per kilogram (mg/kg)
Bold-analyte detected
Bold/Shaded-above Type 2 and Type 4 RRSs
Bold/Shaded-above Type 2 RRS only
--Not measured
NS-Not sampled due to the presence of battery casings
NR-No Recovery
Risk Reduction Standard (RRS)
Type 2 RRS- 270 mg/kg--Residential
Type 3 RRS- 400 mg/kg--Nonresidential

FIGURE

ELALBA ASSOCIATES LLC
691 14TH STREET

CITY OF ATLANTA
(DEPT. OF WATERSHED MANAGEMENT)
667 14TH STREET

CITY OF ATLANTA
(DEPARTMENT OF WATERSHED MANAGEMENT)
1192 HEMPHILL AVENUE

FOURTEENTH STREET
60' R/W

FORMER ESTES-SIMMONS
SILVERPLATING

FOURTEENTH STREET
60' R/W

PROGRESSIVE LIGHTING
650 14TH STREET

BEN MASSELL
DENTAL OFFICE
700 14TH STREET

SPACE MAX STORAGE
680 14TH STREET

TLC TENT & EVENT RENTAL
670 14TH STREET

WHITE PROVISION COMPANY
(YEAH BURGER & RETAIL SHOPS)
1168 HOWELL MILL ROAD

HOWELL MILL ROAD
50' R/W

THE LOFTS
(WHITE PROVISION REDEVELOPMENT, LP)

BRADY AVENUE NW

SIGN

FORMER
UST AREA

~GRAVEL~

~CONC.~

ASPH.

CONC.

CONC.

DIESEL
AST

VLP 2, LLC
(FORMER UNITED RENTALS)
1115 HOWELL MILL ROAD

TRAILER

CONC.

CONC.

BLOCK WALL

DOG
PEN

RAMP

CONC.

CONC.

VLP 2, LLC
(FORMER BARKING HOUND VILLAGE
WESTSIDE)
720 14TH STREET

~ASPHALT~

DOG
PEN

DOG PEN

BERGMAN PL.
(PRIVATE DRIVE)

VLP 2, LLC
"0" 14TH STREET

CONCRETE

BLOCK WALL

METAL BUILDING

~GRAVEL~

~ASPHALT~

CONC.

SHOP

~GRASS & KUDZU~

APPLIED RESEARCH
SERVICE, INC.
663 ETHEL STREET

ATLANTA DAY SHELTER FOR WOMEN & CHILDREN
653 ETHEL STREET

COMI
605 ETHEL

ROCK WALL

ETHEL STREET
40' R/W

STORAGE

IRONWORKS INTERNATIONAL, INC.
1085 HOWELL MILL ROAD

INTERIOR P.L. (APPROX. LOC.; TYP.)

~ASPHALT~

~CONC.~

SUNLOW, INC.
1071 HOWELL MILL ROAD

MK MANAGEMENT COMPANY
FORMER HOWDEN MILL WORKS, INC.
1061 HOWELL MILL ROAD

VLP 2, LLC
(TRENDCO-VICK)
673 ETHEL STREET

CONC.
STEPS

BRICK
WALLS

~ASPHALT~

~CONC.~

ROCK WALL

VLP 2, LLC
654 ETHEL
STREET

S-1 S-2 S-3 S-4 S-5 S-6 S-7 S-8 S-9 S-10 S-11 S-12 S-13 S-14 S-15 S-16 S-17 S-18 S-19 S-20 S-21 S-22 S-23 S-24 S-25 S-26 S-27 S-28 S-29 S-30 S-31 S-32 S-33 S-34 S-35 S-36 S-37 S-38 S-39 S-40 S-41 S-42 S-43 S-44 S-45 S-46 S-47 S-48 S-49 S-50 S-51 S-52 S-53 S-54 S-55 S-56 S-57 S-58 S-59 S-60 S-61 S-62 S-63 S-64 S-65 S-66 S-67 S-68 S-69 S-70 S-71 S-72 S-73 S-74 S-75 S-76 S-77 S-78 S-79 S-80 S-81 S-82 S-83 S-84 S-85 S-86 S-87 S-88 S-89 S-90 S-91 S-92 S-93 S-94 S-95 S-96 S-97 S-99 S-100 S-101 S-102

Legend

- Soil Boring
- 0 ft. to 2 ft. RRS Exceedance
- 2 ft. to 20 ft RRS Exceedance
- >20 ft. RRS Exceedance
- Fence
- VLP 2, LLC Site Boundary
- Other Property Boundary

Graphic Scale

60 0 30 60 120

1 inch = 60 ft.

N

AEM
Atlanta Environmental Management, Inc.
Environmental Consulting, Engineering, Hydrogeologic Services
2580 Northeast Expressway • Atlanta, Georgia 30345
Phone: 404.329.9006 • Fax: 404.329.2057

VLP 2, LLC PROPERTIES
WELCOME YEARS HSI NO. 10637
ATLANTA, FULTON COUNTY, GEORGIA

PROJECT #:	1396-1401-08	DRAWN BY:	TL
SCALE:	1" = 60'	DATE:	October 25, 2016

Preliminary Lead Assessment
Residential Exceedances

Figure 1

G:\DWG\1396-1501 Welcome Years\Survey Lead RRS 2016-10-25

ATTACHMENT A

Laboratory Analytical Report

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

September 29, 2016

Leona Miles
Atlanta Environmental Mgmt
2580 NE Expressway
Atlanta GA 30345

TEL: (404) 329-9006
FAX: (404) 329-2057

RE: VLP2

Dear Leona Miles: Order No: 1609J22

Analytical Environmental Services, Inc. received 8 samples on 9/22/2016 1:52:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

Ioana Pacurar

Ioana Pacurar
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1609732

Date: 9/22/16 Page 1 of 1

COMPANY: **Atlanta Environmental Management**

ADDRESS: **2580 Northeast Expressway Atlanta, GA 30345**

PHONE: **404-329-9006**

FAX: **404-329-2057**

SAMPLED BY: VOwens

SIGNATURE: VOwens

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Total Lead	PRESERVATION (See codes) I	REMARKS	No # of Containers
1	S-99 6"	9/22/16	1030	X		SO	x	x		1
2	S-99-2'	9/22/16	1030	X		SO	x	x		1
3	S-100-6"	9/22/16	1055	X		SO	x	x		1
4	S-100-2'	9/22/16	1055	X		SO	x	x		1
5	S-101-6"	9/22/16	1120	X		SO	x	x		1
6	S-101-2'	9/22/16	1120	X		SO	x	x		1
7	S-102-6"	9/22/16	1159	X		SO	x	x		1
8	S-102-2'	9/22/16	1159	X		SO	x	x		1
9										
10										
11										
12										
13										
14										

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: VOwens	9-22-16 1352	1: Jenni Ashley	9/22/16 1:52 pm
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: **VLP2**
PROJECT #: **1396-1602**
SITE ADDRESS: **Atlanta**
SEND REPORT TO: **Leona Miles**
INVOICE TO: (IF DIFFERENT FROM ABOVE)
leona-miles@aem-net.com
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers: 8

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush **(auth req.)**
- ( ) Other

STATE PROGRAM (if any): _____
E-mail? **Yes**
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 29-Sep-16

Client:	Atlanta Environmental Mgmt	**Client Sample ID:**	S-99 6"
Project Name:	VLP2	**Collection Date:**	9/22/2016 10:30:00 AM
Lab ID:	1609J22-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D					**(SW3050B)**			
Lead	206	5.50		mg/Kg-dry	229893	1	09/27/2016 13:26	IO
PERCENT MOISTURE D2216								
Percent Moisture	15.6	0		wt%	R326217	1	09/28/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Sep-16

Client:	Atlanta Environmental Mgmt	**Client Sample ID:**	S-99-2'
Project Name:	VLP2	**Collection Date:**	9/22/2016 10:30:00 AM
Lab ID:	1609J22-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Lead	71.8	4.45		mg/Kg-dry	229893	1	09/27/2016 18:37	IO
PERCENT MOISTURE D2216								
Percent Moisture	10.6	0		wt%	R326217	1	09/28/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Sep-16

Client:	Atlanta Environmental Mgmt	**Client Sample ID:**	S-100-6"
Project Name:	VLP2	**Collection Date:**	9/22/2016 10:55:00 AM
Lab ID:	1609J22-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Lead	717	5.61		mg/Kg-dry	229893	1	09/27/2016 18:41	IO
PERCENT MOISTURE D2216								
Percent Moisture	14.3	0		wt%	R326217	1	09/28/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Sep-16

Client:	Atlanta Environmental Mgmt	**Client Sample ID:**	S-100-2'
Project Name:	VLP2	**Collection Date:**	9/22/2016 10:55:00 AM
Lab ID:	1609J22-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Lead	3000	5.09		mg/Kg-dry	229893	1	09/27/2016 18:45	IO
PERCENT MOISTURE D2216								
Percent Moisture	11.5	0		wt%	R326217	1	09/28/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Sep-16

Client:	Atlanta Environmental Mgmt	**Client Sample ID:**	S-101-6"
Project Name:	VLP2	**Collection Date:**	9/22/2016 11:20:00 AM
Lab ID:	1609J22-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Lead	174	5.37		mg/Kg-dry	229893	1	09/27/2016 18:49	IO
PERCENT MOISTURE D2216								
Percent Moisture	16.0	0		wt%	R326217	1	09/28/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Sep-16

Client:	Atlanta Environmental Mgmt	**Client Sample ID:**	S-101-2'
Project Name:	VLP2	**Collection Date:**	9/22/2016 11:20:00 AM
Lab ID:	1609J22-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Lead	400	3.95		mg/Kg-dry	229893	1	09/27/2016 18:53	IO
PERCENT MOISTURE D2216								
Percent Moisture	9.51	0		wt%	R326217	1	09/28/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Sep-16

Client:	Atlanta Environmental Mgmt	**Client Sample ID:**	S-102-6"
Project Name:	VLP2	**Collection Date:**	9/2/2016 11:59:00 AM
Lab ID:	1609J22-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Lead	686	5.44		mg/Kg-dry	229893	1	09/27/2016 18:57	IO
PERCENT MOISTURE D2216								
Percent Moisture	12.7	0		wt%	R326217	1	09/28/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Sep-16

Client:	Atlanta Environmental Mgmt	**Client Sample ID:**	S-102-2'
Project Name:	VLP2	**Collection Date:**	9/2/2016 11:59:00 AM
Lab ID:	1609J22-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Lead	708	5.54		mg/Kg-dry	229893	1	09/27/2016 19:08	IO
PERCENT MOISTURE D2216								
Percent Moisture	11.9	0		wt%	R326217	1	09/28/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Atlanta Env. Mgmt Work Order Number 1409733

Checklist completed by Nirmal Kumar 9/22/2014
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 1.0°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes __ No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: Atlanta Environmental Mgmt
Project Name: VLP2
Workorder: 1609J22

ANALYTICAL QC SUMMARY REPORT

BatchID: 229893

Sample ID: **MB-229893**	Client ID:			Units: **mg/Kg**	Prep Date: **09/26/2016**	Run No: **326140**
SampleType: **MBLK**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **229893**	Analysis Date: **09/27/2016**	Seq No: **7064097**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	5.00									

Sample ID: **LCS-229893**	Client ID:			Units: **mg/Kg**	Prep Date: **09/26/2016**	Run No: **326140**
SampleType: **LCS**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **229893**	Analysis Date: **09/27/2016**	Seq No: **7064098**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	49.39	5.00	50.00		98.8	80	120				

Sample ID: **1609J22-001AMS**	Client ID: **S-99 6"**			Units: **mg/Kg-dry**	Prep Date: **09/26/2016**	Run No: **326140**
SampleType: **MS**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **229893**	Analysis Date: **09/27/2016**	Seq No: **7064102**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	278.3	5.81	58.12	206.1	124	75	125				

Sample ID: **1609J22-001AMSD**	Client ID: **S-99 6"**			Units: **mg/Kg-dry**	Prep Date: **09/26/2016**	Run No: **326140**
SampleType: **MSD**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **229893**	Analysis Date: **09/27/2016**	Seq No: **7064103**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	283.1	5.53	55.35	206.1	139	75	125	278.3	1.71	20	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

ATTACHMENT B

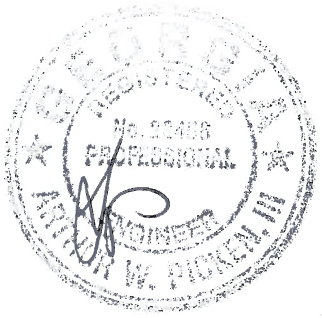
Professional Engineer Certifications and Labor Hours

ATTACHMENT B
CERTIFICATION

"I certify that I am a qualified groundwater scientist who has received a baccalaureate or postgraduate degree in the natural sciences or engineering and that I have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by me or by a subordinate working under my direction."

Art Picken, P.E. 28456

11/4/2016
Date



ATTACHMENT B
LABOR HOURS

Personnel	Labor Hours	Month	Description
Art Picken	8	May	Remedial Action Design Drawings
	2	June	
	5	July	
	4.5	August	
	17	September	
	13	October	