

100 Jefferson Boulevard Suite 220 Warwick, RI 02888 401.732.7600 Fax 401.732.7670

April 19, 2013

Ms. Ashley L. Blauvelt
Sanitary Engineer
Rhode Island Department of Environmental Management (RIDEM)
Office of Waste Management
235 Promenade Street
Providence, RI 02908

RE: Short-Term Response Action Completion

509 Metacom Avenue

Bristol, RI

RIDEM Case # 2013-013

Dear Ms. Blauvelt:

Alliance Environmental Group, Inc. (AEG) is providing this letter to suffice completion of a Short-Term Response Action on behalf of Mr. Domenico Bucci and Ms. Irma Santilli, owner of the above-referenced property (hereinafter, "Site").

a. A narrative summary of the completed excavation activities

The Site was found to have a pile of approximately 150 yards of soil of unknown origin. The pile was tested and found to contain arsenic in excess of the RIDEM Direct Exposure Criteria (DEC). As a result, the detections were reported to RIDEM in the form of a Release Notification, and the subject Case # 2013-013 was assigned. Due to these findings, the response action selected was to remove the soil pile for disposal at a licensed facility in accordance with the RIDEM, "Dig and Haul Policy" ("Policy").

As such, on April 11 and 12, 2013, the subject pile was excavated and transported to the Portsmouth Landfill, located along Park Avenue in Portsmouth, Rhode Island, in accordance with their existing Beneficial Use Determination (BUD) Permit. Much of the soil pile was removed on April 11th; and as a result, AEG returned to the Site to collect samples in accordance with the Policy, which included four (4) sidewall samples and one (1) base sample due to the size of the pile (i.e., no sidewall >25 feet and no deeper than 5 feet). Each sample was submitted to a Rhode Island certified laboratory for analysis of total arsenic. This round of sampling determined that perimeter samples still

D.E.M. / 0.111

contained arsenic at levels in excess of the RIDEM DEC; however, the central base sample was found to be in compliance.

As a result, on April 12th AEG ordered additional soil removal. Once the additional soils were removed, AEG again returned to the Site on April 13th to collect an additional four (4) perimeter soil samples for analysis. These additional samples were also analyzed for total arsenic and found to be in compliance with the RIDEM DEC. Below is a table which summarizes the results of the final confirmatory soil samples.

Table 1								
Analytical Summary								
509 Metacom Avenue, Bristol, RI								
Target	AE-BS-	AE-SW-	AE-SW-	AE-SW-	AE-SW-	RIDEM		
Analyte	201	301	302	303	304	DEC		
Total Arsenic	6.37	3.12	4.10	5.91	3.18	7.0		

Notes:

- 1. Units: mg/Kg (parts per million (ppm))
- 2. RIDEM DEC as define in the Remediation Regulations
- b. A locus plan showing the property location

Attached as Figure 1

c. Scaled site plans showing the excavation extents, labeled sampling locations, utilities, surface structures, a north arrow and a graphical scale bar

Attached as Figure 2

d. Complete analytical data from an accredited third-party laboratory documenting the achievement of regulatory standards as outlined in Rule 8 of the Remediation Regulations

Attached as Appendix A

- e. All manifests, shipping logs, or bills of lading for the transported soil Attached in Appendix B
- f. Weight slips from the receiving facilityAttached in Appendix B
- g. Recycling, reuse, or disposal certification, as appropriate
 Attached in Appendix B



h. Whether groundwater was encountered within the excavation, the conditions (odor, sheen, free product, etc.) of groundwater, if encountered, and the Groundwater Classification as described in the Rules and Regulations for Groundwater Quality

Groundwater was not encountered during this action. According to the Rhode Island Geographic Information System (RIGIS) groundwater at the Site is classified as GA.

i. A full description of how the excavation was closed or restored (e.g. backfill material description, volume and source of clean fill, if brought from off-site, etc.)

Because the response action concerned the removal of a pile of soil, subsurface excavation and backfilling were not required.

 A signature sheet with the required certifications as described in Section VI of this policy

Attached hereto in Appendix C, is the completed signature sheet for the Short-Term Response Report for Expedited Excavation and Disposal Action as described in Section VI of this policy.

k. Any other applicable or relevant and appropriate reporting and public notice requirements described in Rule 6 of the Remediation Regulations

Notices were completed in accordance Rule 6 of the Remediation Regulations and distributed on April 17, 2013. Copies of this notice as well as a list of its recipients are attached as Appendix D.

Very truly yours,

Alliance Environmental Group, Inc.

Jacob H.

Digitally signed by Jacob H. Butterworth DN: cn=Jacob H. Butterworth, o, ou, email=JButterworth@AllianceEGI. Butterworth com, c=US Date: 2013.04.19 07:21:39 -04'00'

Jacob H. Butterworth, MS **Project Manager**

Attachments:

Figure 1 **USGS Locus Map**

Figure 2 Site Plan

Appendix A Soil Analytical Reports Appendix B Soil Disposal Documents

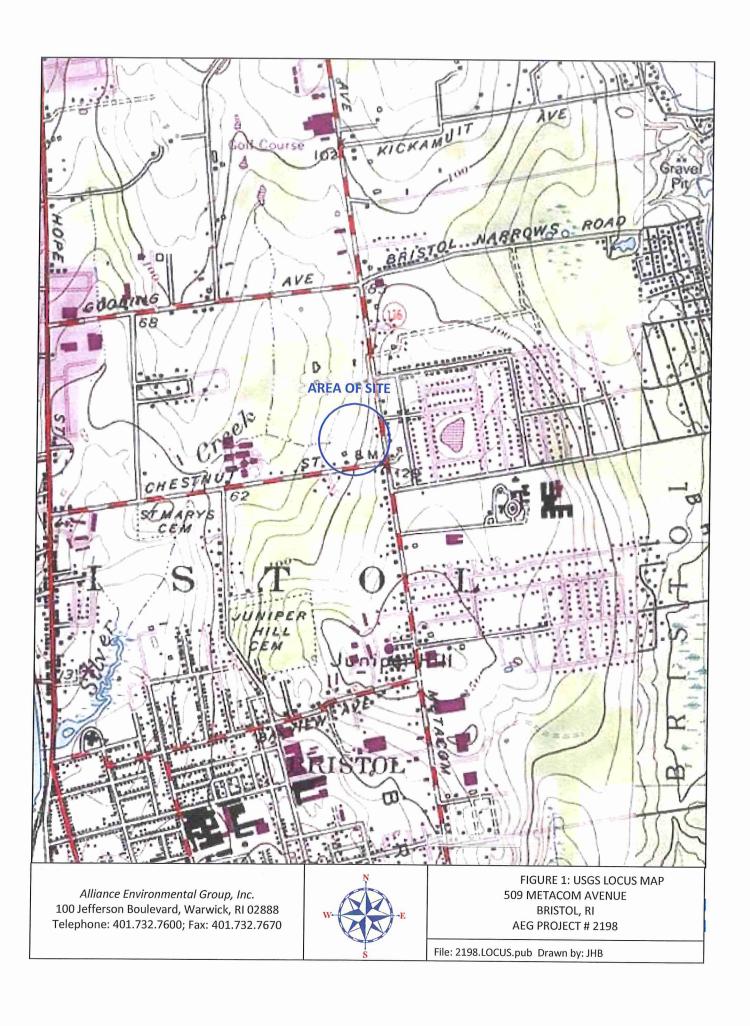
Appendix C Short-Term Response Report for Expedited Excavation and Disposal

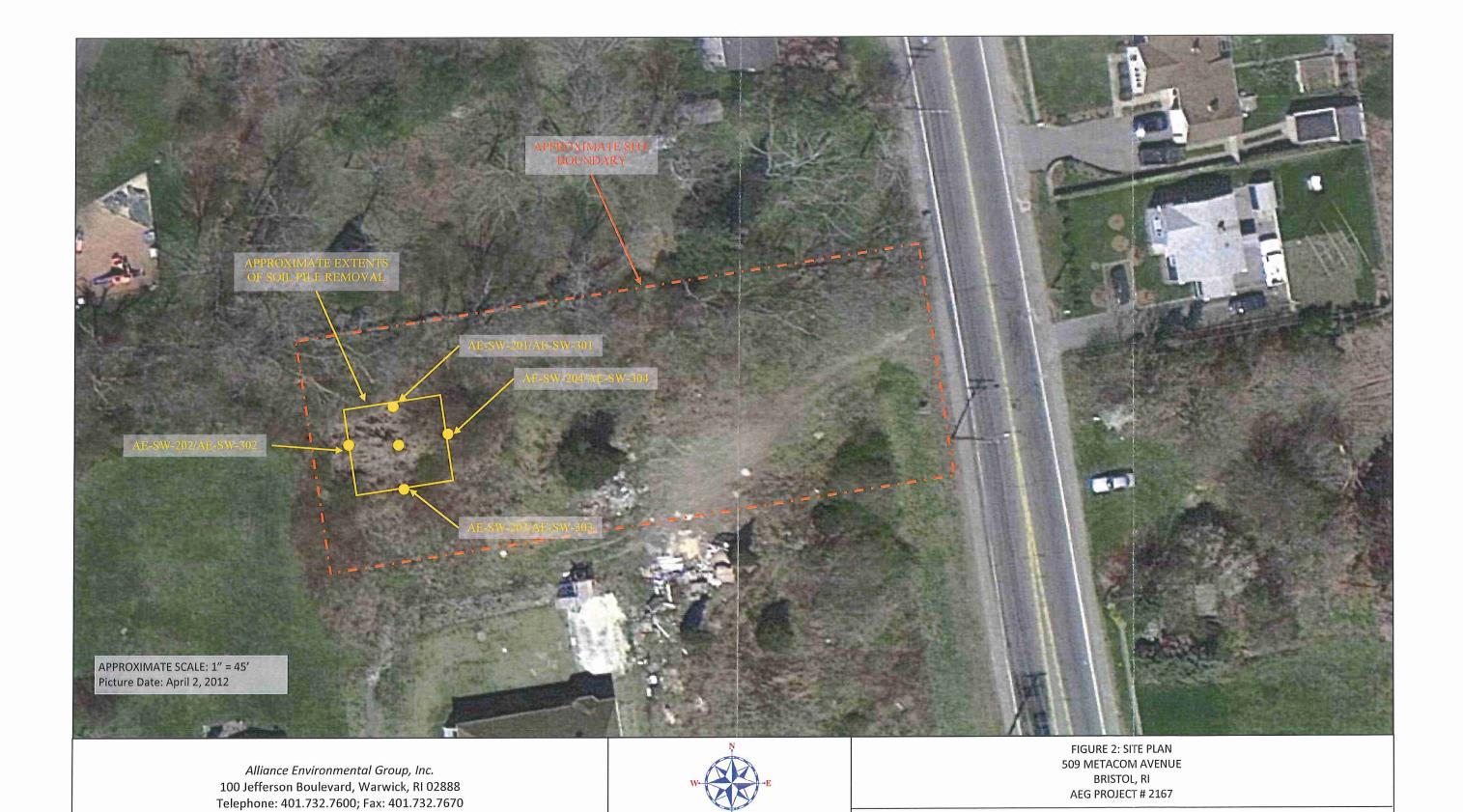
Action Sheet

Appendix D **Public Notices**

cc: Mr. Domenico Bucci and Ms. Irma Santilli







File: 2198.SITEPLAN.pub Drawn by: JHB

APPENDIX A SOIL ANALYTICAL REPORTS



NELTLAB

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Z0412-02

Prepared for:

Attn: Jacob Butterworth Alliance Environmental Group 100 Jefferson Blvd., Suite 220 Warwick, RI 02888

Report Date: April 12, 2013

Reviewed by:

Richard Warila Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC. 1254 Douglas Avenue, North Providence, RI 02904 (401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on April 12, 2013. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is Z0412-02.

Custody records are included in this report.

Site: Metacom

TABLE I, Samples Submitted

Sample ID Date Sampled		Matrix	Analysis Requested	
AE-SW-201	4/11/13	Soil	Table II	
AE-SW-202	4/11/13	Soil	Table II	
AE-SW-203 4/11/13		Soil	Table II	
AE-SW-204	4/11/13	Soil	Table II	
AE-BS-201	4/11/13	Soil	Table II	

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010C

This method is documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

7

New England Testing Laboratory, Inc.

Total # of Pages: 12

CASE NARRATIVE:

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

Metals

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.



METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

NETTLAB

Case Number:

Z0412-02

Sample ID:

AE-SW-201 4/11/13

Date collected: Matrix

Soil

Solids, %

79.76 Sample Type:

Total

Analyst ___JC/RS

	CLCV.	Preparative			Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	7.25	0.88	mg/kg	4/12/13	4/12/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

New England Testing Laboratory, Inc.

METALS RESULTS



Case Number:

Z0412-02 AE-SW-202

Sample ID: Date collected:

4/11/13

Matrix Solids, % Soil 79,29

Sample Type:

Total

Analyst JC/RS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010C	10.9	0.84	mg/kg	4/12/13	4/12/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

New England Testing Laboratory, Inc.

METALS RESULTS

NEUTLAB

Case Number:

Z0412-02

Sample ID:

AE-SW-203 4/11/13

Date collected: Matrix

Sample Type:

Soil

Solids, %

81.24 Total

Analyst JC/RS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit		Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010C	11.4	0,86	mg/kg	4/12/13	4/12/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number:

Z0412-02 AE-SW-204

Sample ID: Date collected:

4/11/13

Matrix Solids, % Soil 76.06

Sample Type:

Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	9.46	0.94	mg/kg	4/12/13	4/12/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

New England Testing Laboratory, Inc.

Page 7 of 12

Page 8 of 12

METALS RESULTS

Case Number:

Z0412-02

Sample ID:

AE-BS-201 4/11/13

Date collected: Matrix

Solids, %

Soil

82.05 Sample Type: Total

Analyst JC/RS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010C	6.37	0.86	mg/kg	4/12/13	4/12/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

New England Testing Laboratory, Inc.

METALS RESULTS



Sample ID:

Preparation Blank SOIL

Matrix Solids, %

100

Sample Type:

Analyst __JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
			-					
Arsenic	7440-38-2	3050B	6010C	ND	0.67	mg/kg	4/12/13	4/12/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

New England Testing Laboratory, Inc.

Page 9 of 12

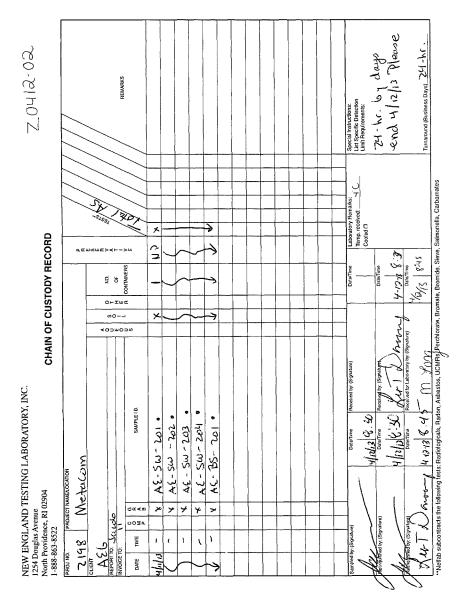
Page 10 of 12



LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Inter LCL, %		Date Analyzed
Arsenic	13.3	11.8	mg/kg	89	80	120	4/12/13

New England Testing Laboratory, Inc.



Page 11 of 12

APPENDIX B

SOIL DISPOSAL DOCUMENTS



APR-14-2013 07:34 FROM:S OLIVEIRA CONSTRUCT 4016244753

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Former Portsmouth, RI Municipal Landfill Park Ave, Portsmouth, RI

TO: 15085433002 P.1/6

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TO:15085433002

P.1/4

Former Portsmouth, RI Municipal Landfill Park Avc, Portsmouth, RI

Material Receipt Log

A. 4-12

Load Information	BOLKTON DT WIT
(T) LOADS: TOUISS (T	BRISTIC RI 4/12
Signature of Transporter	100/35//
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Former Portamouth, RI Municippi Londfil	Receiving facility
Date received 4/12/13	Former Portsmouth, RI Municipal Lengths
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Former Portsmouth, RI Municipal Lendril	Receiving Cicity
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10130	Tarte received 10:45
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- 104	Page Z of /
Total carried beward (cubic yardytoxs)	
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Former Portsmouth, RI Municipal Landfill Park Ave, Portsmouth, RI

Material Receipt Log

A 17-4-12

Load Information	horas
60	BRISTERI 4/B/12
(3) LOADS: TOUISSIT	(14) DADE TOUISET
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Former Portsmouth, RI Municipel Landfill	Receiving teamy
Dalla tacohrod 4-12-13	Former Portsmouth, RI Municipal Lendrill
Title received 10:45	Data received 4-12-13
Cate of stapmers	Colo of shipment
Time of experient	Time of shipment
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15) LOAD# 70015517	(IC) COAD# TRICUISSIT
Organization of Teansplains J. J.	Signature of Transporter 77
Resident feelty Farmer Partemouth, RI Municipal Landfill	Resident policy Former Portemouth, RI Municipal Landfill
Date received 4-12-13	Data recovery 4-12-13
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Truckstranson negintration 19672 DI	Truck/Tracker respiration 15US
Ti alber registration	Yralite registration
Look size (anderpretations)Tolkele (Byth);Trailer 25 yar;Olicer	Land true (Catalog Secretary) _This is a grain _Trailor 23 paix _Other _ Lous
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P.314

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APR-14-2013 07:31 FROM:S OLIVEIRA CONSTRUCT 4016244753

APPENDIX C

Short-Term Response Report for Expedited Excavation and Disposal Action Sheet



SHORT-TERM RESPONSE REPORT FOR EXPEDITED EXCAVATION AND DISPOSAL ACTION

SECTION I: NOTIFIER INFORMATION	ON ·					
Notifier:	Domenico Bucci and	Trma Santil				
Address:	34 Morningside Drive, West Wawrwick					
City:	Rhode Island State: 028	391 Zin Code: 40	7 Tolophone Number	640 2401		
		2 2 p Oode. 4	T reseptions induper	040-3481	· ·	
Status (indicate one):	Owner	Operator		Date of Submittal:	4/19/2013	
SECTION II: PROPERTY INFORMAT	TION					
Facility Number (if applicable):	RIDEM Case # 2013-0	13				
Facility Name:	509 METACOM AVENUE					
Facility Address:	509 METACOM AVENUE		Facility City:	BRISTOL	· · · · · · · · · · · · · · · · · · ·	
Assessor's Plat:	108		Assessor's Lot:	7		
Latitude:	41°41.318N		Longitude:	71°15.766'W		
			Longitude.	71 13.700 W	•	
Property Owner.	Same as Above					
Property Owner Address:						
City	: State:	Zip Code:	Telephone Number:			
			reseptione realiber.			
Operator Name (if different):	Same as Above		-			
Operator's Address:						
Operator's City:	State:	Zip Code:	Telephone Number:			
SECTION III: SITE CONDITIONS IN	EORMATION All material to be rem	noused from the f- site.				
ozonow m. strz combinions int		noved from the facility	or Site under this permi	t must be properly documer	nted and transported in ight slips must be submitted	
	Notes: with this Response F	Report.	and local regulations.	copies of manifests and we	ight slips must be submitted	
	·	•				
	This Action is applica	able for the removal a	nd disposal of up to 100	0 cubic yards of contaminate	ed media which are	
	considered jurisdiction	onal by the RI DEM				
Date of Knowledge of Condition Requiring use of Permit	March 2013 Began	4/11/12	Date of Action	. / /		
Requiring use of Fermit	March 2013 Began	4/11/13	Completion	4/12/13		
Contaminants of Concern	ARSENIC		centrations of	7 11		
Quantity of Soil Removed	240 tons	Con	taminants of Concern	7 - 11 ppm		
Contractor Name:	Touisset Complete Ho	ome and Gard	on			
Contractor Address:	20 Barton Avenue, Wa	rren				
Contractor City:	Rhode Island State: 028	885 Zip Code: 40	Telephone Number.	447-2525		
Transporter Name:	Same as Above					
Transporter Address:	balle as Above		Transporter Permit N	lumber (if applicable):	NA	
City	State:	Zip Code:	Telephone Number:			
•			relephone number:			
Disposal Facility Name:	Former Portsmouth La	andfill			•	
Disposal Facility Address:	Park Avenue					
. City	Portsmouth State: RI	Zip Code: <u>50</u>	Telephone Number:	380-1367		

SHORT-TERM RESPONSE REPORT FOR EXPEDITED EXCAVATION AND DISPOSAL ACTION

SECTION IV: REQUIRED SUPPORTING DOCUMENTATION (Confirm Attached)						
Locus Plan	. 🗸	Manifests or Bills of Lading	\checkmark	Groundwater Encountered?		
Site Sketch		Weight Slips	\checkmark	(Circle One) Groundwater Classification?	Y (N)	
Analytical Data		Recycling/Disposal Certification	\checkmark	(Circle One) GAA	GA GB GC	
SECTION V: OWNER O			· ·			
l Certify that this Respondant facts surrounding the rel	nse Report and associated ma ease to the best of my knowle	aterials submitted herewith is a completed.	ete and accurate representation	n of the site conditions and conta	ains all applicable known	
Owner Name:	Dom	enico bucci	Title:	4/20/13		
Signature: (Original Signature Requ	uired)	wars Butter	Date:	4/20/13	•	
Who should be contacted	ed for questions regarding this	Response Report?		ě		
Name: Company:		. Butterworth, MS Environmental Group,	Title: Inc. Telephone Number:	Project Manager		
				101 731 7000		
	MENTAL PROFESSIONAL				·	
Requirements) of the Re	representing the the notifier lise emediation Regulations;	sted in Section I of this form, that Pub	lic Notice has been/will be com	pleted in accordance with Rule (6.06 (Public Notice	
2) I certify, in my role representing the the notifier listed in Section I of this form, that the Short Term Response Action has been conducted consistent with Policy Memo 2012-01, Guidelines for the Notification of Short-term Response Actions, and Rule 6.0 of the Remediation Regulations						
3) I certify, in my role representing the the notifier listed in Section I of this form, that the data and environmental information provided is a complete and accurate representation of environmental conditions at the Site, and accurately depicts the nature, extent, and the known facts and history of the condition requiring use of the Short-Term Response Report for Expedited Excavation and Disposal Action, to the best of my knowledge; and						
4) I certify, in my role representing the the notifier listed in Section I of this form, that the laboratory certificates of analysis received from all laboratories used to analyze samples taken during this action and being made part of the Short Term Response Report for Expedited Excavation and Disposal Action were reviewed for accuracy relative to sample holding times, detection limits at or below applicable standards, and related laboratory quality assurance and quality control procedures.						
5) I certify, in my role representing the the notifier listed in Section I of this form, that this Response Report and associated materials submitted herewith is a complete and accurate representation of the site conditions and contains all applicable known facts surrounding the release to the best of my knowledge.						
Environmental Profession Company Name	onal Name: Jacob H. e and Address: <u>Alliance</u> City:Warwick	Butterworth, MS Environmental Group State: RI Zip Code		Project Manager		
Signature: (Original Signature Req	()acop	ti Buttons	Date:	4/19/2013	_	

APPENDIX D

PUBLIC NOTICES





100 Jefferson Boulevard Suite 220 Warwick, RI 02888 401.732.7600 Fax 401.732.7670

April 18, 2013

RE: Short-Term Response Outcome

509 Metacom Avenue

Bristol, RI

RIDEM Case # 2013-013

Alliance Environmental Group, Inc. (AEG) on behalf of the owner of the above-referenced property (hereinafter, "Site"), Domenico Bucci and Irma Santilli, is providing the subject notice documenting completion of a Short-Term Response Action.

The subject action was completed to remove a soil pile impacted with arsenic. Under RIDEM approval, the impacted soils were removed from the property and disposed of at a licensed disposal facility. Confirmatory testing of the remaining soils demonstrated compliance with applicable RIDEM standards.

If you have any questions or require a copy of the final report please contact the individual below:

Ms. Ashley L. Blauvelt
Sanitary Engineer
RIDEM Office of Waste Management
235 Promenade Street, Providence, RI 02908
(401) 222-2797 ex. 7026
Ashely.Blauvelt@DEM.RI.Gov

BUCCI, DOMENICO & SANTILLI, IRMA TE 34 MORNINGSIDE DR WWARWICK RI 02893 Parcel ID: 108-7 BROWN, JOHN JR ET 511 METACOM AVE BRISTOL RI 028095117 Parcel ID: 108-8

ST ELIZABETH ACQUISITION CORP 1 DAWN HILL RD BRISTOL RI 02809 Parcel ID: 108-28 ST ELIZABETH ACQUISITION CORP 1 DAWN HILL RD BRISTOL RI 02809 Parcel ID: 108-66 PERRY FAMILY REALTY, LLC 500 METACOM AVE BRISTOL RI 02809 Parcel ID: 108-68

ST ELIZABETH ACQUISITION CORP 1 DAWN HILL RD BRISTOL RI 02809 Parcel ID: 108-15

PACHECO, RICHARD & THERESA A TE 431 CHESTNUT STREET BRISTOL RI 02809 Parcel ID: 108-69 SANTO, VINCENT J JR 506 METACOM AVENUE BRISTOL RI 02809 Parcel ID: 159-999 VINCENTE, JOSE M ETAL LIFE EST OF JOSE S & MARIA S 510 METACOM AVE BRISTOL RI 028095145 Parcel ID: 159-1000

PERRY FAMILY REALTY, LLC 500 METACOM AVENUE BRISTOL RI 028095198 Parcel ID: 159-1034 Mr. Antonio A. Teixeira Town Administrator Town of Bristol 10 Court Street Bristol, RI 02809