

LETTER OF TRANSMITTAL

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To: Mr. David Szymanski	Date: May 29, 2014
Environmental Program – Specialist I	Project No. 1404090-*-1005
Division of Environmental Remediation, Region 9	Re: Preliminary Results Transmittal
NYSDEC	CMWP Addendum #3
270 Michigan Avenue	Mineral Springs Former MGP Site
Buffalo, NY 14203-2915	NYSDEC Site #V00195

**We are sending you the following enclosures:**

No.	Type	Description
1	Electronic	Preliminary (Non-Validated) Perched Groundwater Results for Sampling Performed on 4/25/2014

**These are transmitted as checked below:**

☐ For Approval    ☐ For Your Use    ☒ For Review/Comment    ☐ As Requested    ☐ Other  
**Message:**

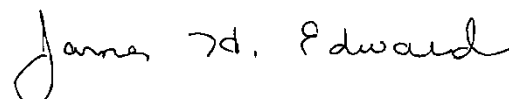
Attached are the results of perched groundwater samples collected on 4/25/2014 at off-site parcels during implementation of CMWP Addendum #3 at the Mineral Springs MGP site. Table 1 summarizes the sample results, and the respective NYSDEC groundwater standard values. Also attached is a Work Plan figure showing the sample locations, the laboratory report sheets, and chain-of-custody record.

Please contact me if you have any questions regarding the information provided in this transmittal. Please direct the Department's official response to Brad Walker, National Fuel's project manager for the investigation.

Copy to:

B. Walker, C.P.G. – National Fuel  
T. Alexander – National Fuel  
S. McLaughlin – NYSDOH  
M. Forcucci – NYSDOH  
D. Ripstein – NYSDOH  
W. Lachell – GEI

Signed:

  
James H. Edwards, C.P.G.  
Senior Geologist

*If enclosures are not as noted, kindly notify us at once.*

## **Attachment A**

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### **Perched Groundwater Results Summary Table**

**Table 1**  
**Perched Groundwater Results**  
**Off-Site Parcels**  
**Mineral Springs MGP Site CMWP #3 Investigation**

Sample Name Sample Date Parent Sample Code				(WS)(W10)(S2) 4/25/2014	WS-DUP 4/25/2014 (WS)(W10)(S2)	(WS)(W10)(S4) 4/25/2014
Analyte	CAS no.	NYSDEC GW Standards				
Dissolved Metals ug/L						
Arsenic	7440-38-2	25		15 U	15 U	15 U
Cadmium	7440-43-9	5		4 U	4 U	4 U
Lead	7439-92-1	25		5.6 J	10 U	10 U
Mercury	7439-97-6	0.7		0.2 U	0.2 U	0.2 U
Total Metals ug/L						
Arsenic	7440-38-2	25		15 U	15 U	15 U
Cadmium	7440-43-9	5		4.0 U	4.0 U	1.9 J
Lead	7439-92-1	25		10 U	10 U	14.1
Mercury	7439-97-6	0.7		0.20 U	0.16 J	0.20 U
Cyanides ug/L						
Free Cyanide	NA	NE		5.0 U	5.0 U	5.0 U
Total Cyanide	57-12-5	200		0.01 U	0.01 U	0.0056 J

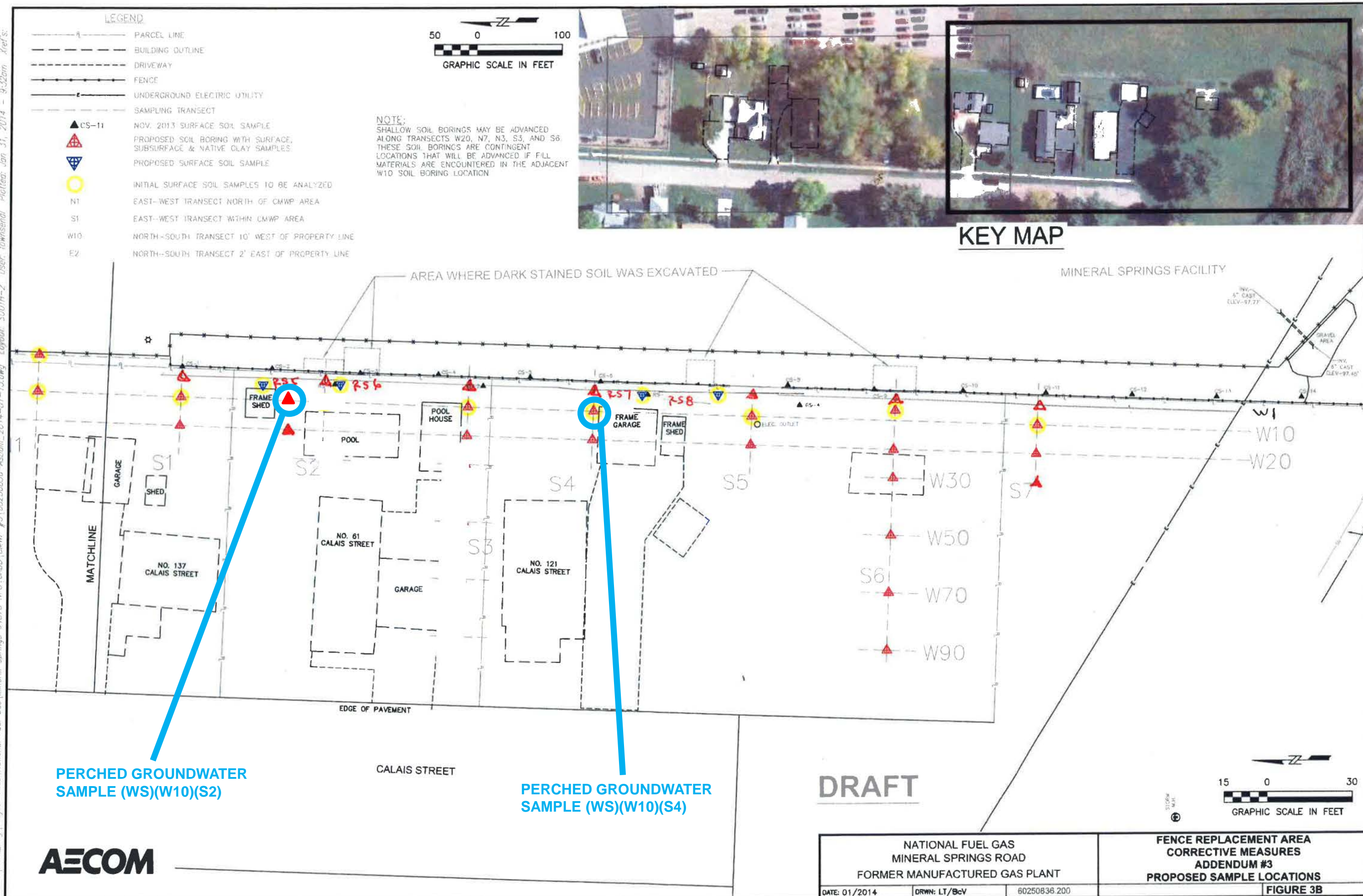
NA - Not Applicable  
NE - Not Listed

## Attachment B

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### Site Figure

File: J:\Rem\_Eng\Project\_Files\National Fuel Gas Mineral Springs Road\CMWP\_#3160250836-AsBuilt\_2014-01-13.dwg Layout: SOUTH-2 User: Townsend Plotted: Jan 31, 2014 - 9:32am Xref's:



## **Attachment C**

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### **Chain-of-Custody and Laboratory Reports**





# Client Sample Results

Client: GEI Consultants, Inc.  
Project/Site: National Fuel Gas - Mineral Springs MGP

TestAmerica Job ID: 480-58785-1

Client Sample ID: WS-W10-S2

Lab Sample ID: 480-58785-1

Date Collected: 04/25/14 13:00

Matrix: Water

Date Received: 04/25/14 16:00

## Method: 6010C - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		15.0	4.3	ug/L		05/15/14 17:07	05/16/14 17:49	1
Cadmium, Dissolved	ND		4.0	1.2	ug/L		05/15/14 17:07	05/16/14 17:49	1
Lead, Dissolved	5.6	J	10.0	4.6	ug/L		05/15/14 17:07	05/16/14 17:49	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15.0	4.3	ug/L		05/04/14 14:07	05/28/14 13:41	1
Cadmium	ND		4.0	1.2	ug/L		05/04/14 14:07	05/05/14 14:49	1
Lead	ND		10.0	4.6	ug/L		05/04/14 14:07	05/05/14 14:49	1

## Method: 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.16	ug/L		05/03/14 10:41	05/03/14 17:56	1

## Method: 7470 - Dissolved Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.20	0.16	ug/L		05/03/14 13:25	05/03/14 18:23	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		05/02/14 10:45	05/02/14 22:58	1
Cyanide, Free	ND		5.0	0.72	ug/L		05/07/14 05:30	05/07/14 11:30	1

Client Sample ID: WS-W10-S4

Lab Sample ID: 480-58785-2

Date Collected: 04/25/14 14:00

Matrix: Water

Date Received: 04/25/14 16:00

## Method: 6010C - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		15.0	4.3	ug/L		05/15/14 17:07	05/16/14 17:19	1
Cadmium, Dissolved	ND		4.0	1.2	ug/L		05/15/14 17:07	05/16/14 17:19	1
Lead, Dissolved	ND		10.0	4.6	ug/L		05/15/14 17:07	05/16/14 17:19	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15.0	4.3	ug/L		05/04/14 14:07	05/05/14 13:31	1
Cadmium	1.9	J	4.0	1.2	ug/L		05/04/14 14:07	05/05/14 13:31	1
Lead	14.1		10.0	4.6	ug/L		05/04/14 14:07	05/05/14 13:31	1

## Method: 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.16	ug/L		05/03/14 10:41	05/03/14 17:24	1

## Method: 7470 - Dissolved Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.20	0.16	ug/L		05/03/14 10:45	05/03/14 18:09	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0056	J	0.010	0.0050	mg/L		05/05/14 17:35	05/06/14 09:58	1
Cyanide, Free	ND		5.0	0.72	ug/L		05/07/14 05:30	05/07/14 11:30	1

TestAmerica Buffalo



# Client Sample Results

Client: GEI Consultants, Inc.  
Project/Site: National Fuel Gas - Mineral Springs MGP

TestAmerica Job ID: 480-58785-1

Client Sample ID: WS-DUP

Lab Sample ID: 480-58785-3

Date Collected: 04/25/14 00:00

Matrix: Water

Date Received: 04/25/14 16:00

## Method: 6010C - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		15.0	4.3	ug/L		05/15/14 17:07	05/16/14 18:04	1
Cadmium, Dissolved	ND		4.0	1.2	ug/L		05/15/14 17:07	05/16/14 18:04	1
Lead, Dissolved	ND		10.0	4.6	ug/L		05/15/14 17:07	05/16/14 18:04	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15.0	4.3	ug/L		05/04/14 14:07	05/28/14 13:45	1
Cadmium	ND		4.0	1.2	ug/L		05/04/14 14:07	05/05/14 14:53	1
Lead	ND		10.0	4.6	ug/L		05/04/14 14:07	05/05/14 14:53	1

## Method: 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.16	J	0.20	0.16	ug/L		05/03/14 10:41	05/03/14 17:58	1

## Method: 7470 - Dissolved Mercury - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.20	0.16	ug/L		05/03/14 13:25	05/03/14 18:25	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		05/05/14 17:35	05/06/14 10:02	1
Cyanide, Free	ND		5.0	0.72	ug/L		05/07/14 05:30	05/07/14 11:30	1

TestAmerica Buffalo