

### LETTER OF TRANSMITTAL

1301 Trumansburg Road, Suite N Ithaca, NY 14850 Phone: (607) 216-8955 www.geiconsultants.com

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 270 Michigan Avenue Buffalo, NY 14203-2915		CMWP Addendum #3 Mineral Springs Former MGP Site NYSDEC Site #V00195		
		-			

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

No.	Туре	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:

anne 7d. Edwards

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

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

Preliminary Results Transmittal CMWP Addendum #3 Mineral Springs Former MGP Site May 2014

## **Attachment A**

Perched Groundwater Results Summary Table

# Table 1Perched Groundwater ResultsOff-Site ParcelsMineral Springs MGP Site CMWP #3 Investigation

	Pare	Sample Name Sample Date ent 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

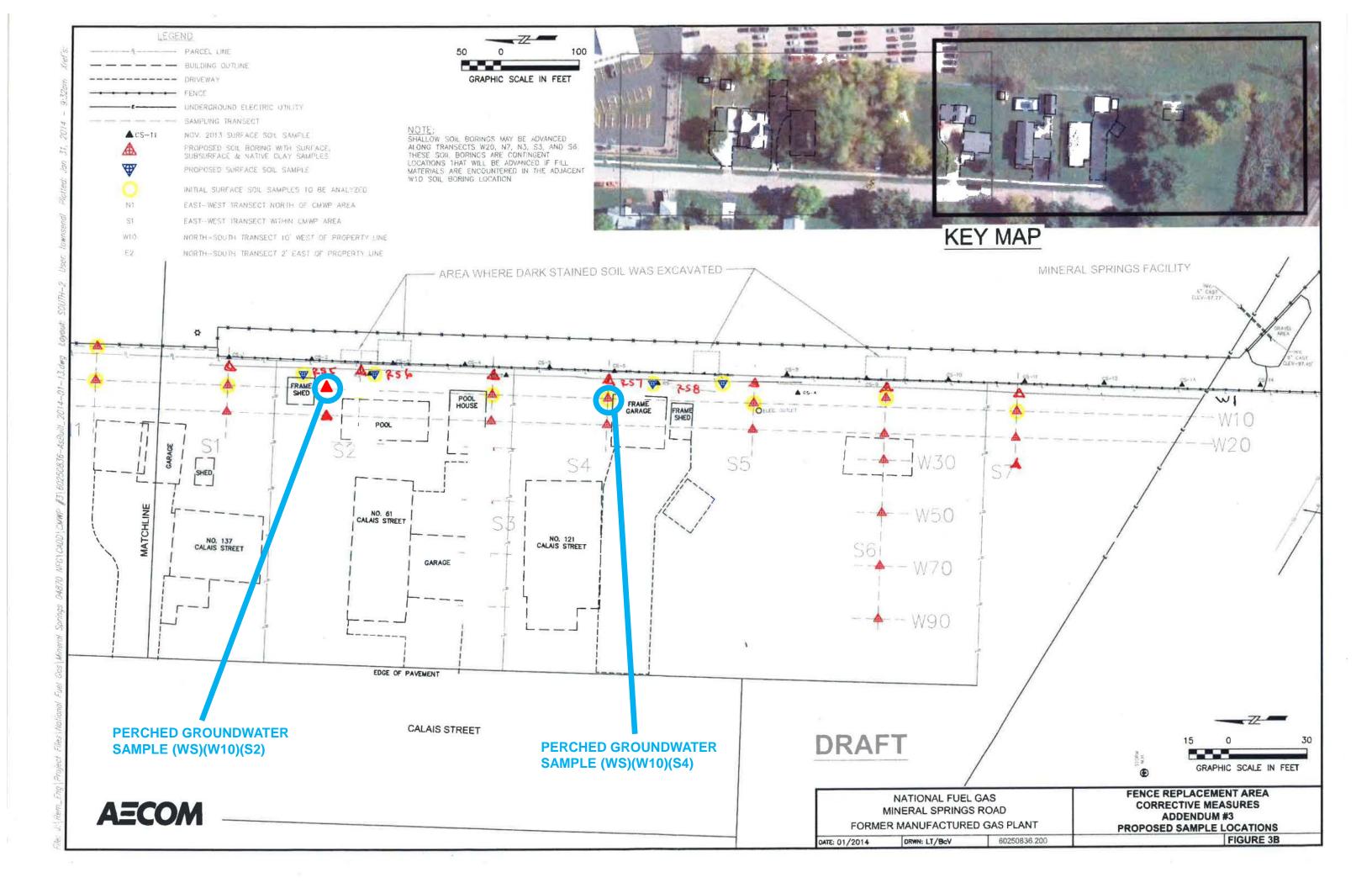
NA - Not Applicable

NE - Not Listed

Preliminary Results Transmittal CMWP Addendum #3 Mineral Springs Former MGP Site May 2014

## **Attachment B**

Site Figure



Preliminary Results Transmittal CMWP Addendum #3 Mineral Springs Former MGP Site May 2014

## Attachment C

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

10 Hazelwood Drive Amherst, NY 14228-2298 Phone (716) 691-2600 Fax (716) 691-7991		Chain c	Chain of Custody Record			21
Client Information	Sampler M. Comminder	Lab I Dey	Lab PM: Deyo, Melissa L		480-58785 Chain of Custody	
Gilent Contact Michael Cummings	Phone 716-5-72-456	Z E-Ma	E-Mait: melissa.deyo@testamericainc.com	> well	Vrevvverve, prage	
Company: GEI Consultants, Inc.			Analysis Reques	tequested	Job #:	
Address. 90B John Muir Drive Suite 104	Due Date Requested:			(A.	Preservation Coo	
Gity: Amherst Saite a Zip:	TAT Requested (days): STANDARD			107055	A - HOCL M - Heaz A - HOCL M - Nore C - Zh Adelate O - Asive C - Athree Acid P - Nazio	M - Hexane N - None O - AsNaO2 P - Na204S
Phone: 716-2045-7155	PO# Purchase Order not required			(D)	F - MeOH G - Amchlor H - Ascorbic Acid	22SO3 24 Defectbudente
	жow.			10	I - Ice J - DI Water	oucce ignicie A
Project Name: National Fuel Gas - Mineral Springs MGP	Project #: 48009603 sscove:		10 26Y	LHI VIQ	K-EUIA L-EDA	W - ph 4-5 Z - other (specify)
bite:	- MAL		) CISM Free stoT ,e stilles stilles	Егее (	of a Other:	
1	<i>"</i>	ple Matrix De (vi=water, S=solid, omp, o=wasteloli,	1100 m MS/A 1100 m MS/A 120 - Cyanide, 128 - Cyanid	16 - Cyanide, 2010C	redmini ໃໝ	
Sample Identification	Sample Date Time G=gr	Gegrab) Entrance And Preservation Code:	06 N N N N N N N N N N N N N N N N N N N	09	P Special Instructions/Note:	is/Note:
WS-1010-52.	4/25 13:00 G	Water	×		W Nischline	while
h=-01m-sm		Water	X	XXX	VD NATE LAVE	March 1
WS WID -SY/MS	14:00	Water	X	XXXX	4-17	2
WS - W10 - 54/ MSD	Co;+1	Solid	X	XXXX		,
WS- DUD		Solid	X NY	XXX		
		Solid				
		Solid				
		Solid				
18		Solid			e	
		Solid				
		Solid				
ant	Poison B Unknown Radiological	al	Sample Disposal ( A fee may be Return To Client	assessed if samp	Sample Disposal ( A fee may ke assessed if samples are retained longer than 1 month) Return To Client Supposal By Lab	
, III, IV, Oth			Special Instructions/QC Requirements	ients:		
Empty Kit Relinquished by:	Date:		Time:	Method of Shipment		
Relinquished by: MILLALARE CUMMAN 65	Date/Time: 4/2 1 1/2	Company Company Company	Received by A		Date/Time: Date/Time: Date/Time:	A COR
Relinquished by:	Date/Time:	Company	Redented by	<u>a</u>	Date/Time: Company	
Cristicals Interes Cristical No.						

Cyanide, Free

5

6

8

9

13

Client Sample ID: WS-W10-S2 Date Collected: 04/25/14 13:00 Date Received: 04/25/14 16:00								ple ID: 480-5 Matrix	c: Wate
Method: 6010C - Dissolved Metals	- Dissolved								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Arsenic, Dissolved	ND		15.0	4.3	ug/L		05/15/14 17:07	05/16/14 17:49	
Cadmium, Dissolved	ND		4.0	1.2	ug/L		05/15/14 17:07	05/16/14 17:49	
Lead, Dissolved	5.6	J	10.0	4,6	ug/L		05/15/14 17:07	05/16/14 17:49	
Method: 6010C - Metals (ICP)						-			
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Arsenic	ND		15.0	4.3	ug/L		05/04/14 14:07	05/28/14 13:41	
Cadmium	ND		4.0	1.2	•		05/04/14 14:07	05/05/14 14:49	
Lead	ND		10.0	4,6	ug/L		05/04/14 14:07	05/05/14 14:49	
Method: 7470A - Mercury	<b>D</b>	0			11-14	-		•	
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Mercury	ND		0.20	0,16	ug/L		05/03/14 10:41	05/03/14 17:56	
Method: 7470 - Dissolved Mercury		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Analyte		Quanner				D			DIF
Mercury, Dissolved	ND		0.20	0,16	ug/L		05/03/14 13:25	05/03/14 18:23	
General Chemistry Analyte	Recult	Qualifier	RL	МП	Unit	D	Prepared	Analyzed	Dii Fa
Cyanide, Total	ND	quanner	0.010	0.0050	mg/L		05/02/14 10:45	05/02/14 22:58	Dirre
Cyanide, Free	ND		5.0		ug/L		05/07/14 05:30	05/07/14 11:30	
Date Collected: 04/25/14 14:00 Date Received: 04/25/14 16:00								Matrix	c: Wate
Method: 6010C - Dissolved Metals Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Arsenic, Dissolved	ND		15.0	4.3	ug/L		05/15/14 17:07	05/16/14 17:19	
Cadmium, Dissolved	ND		4_0	1.2	ug/L		05/15/14 17:07	05/16/14 17:19	
Lead, Dissolved	ND		10.0		ug/L		05/15/14 17:07	05/16/14 17:19	
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Arsenic	ND		15.0	4.3	ug/L		05/04/14 14:07	05/05/14 13:31	_
Cadmium	1.9	J	4.0	1.2	ug/L		05/04/14 14:07	05/05/14 13:31	
Lead	14.1		10_0	4.6	ug/L		05/04/14 14:07	05/05/14 13:31	
Method: 7470A - Mercury									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
	ND		0.20	0.16	ug/L		05/03/14 10:41	05/03/14 17:24	
Mercury	- Dissolved								
<sup>Mercury</sup> Method: 7470 - Dissolved Mercury	- Dissolved	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
<sup>Mercury</sup> Method: 7470 - Dissolved Mercury Analyte	- Dissolved	Qualifier	RL 0.20		<b>Unit</b> ug/L	D	Prepared 05/03/14 10:45	Analyzed 05/03/14 18:09	
Mercury Method: 7470 - Dissolved Mercury Analyte Mercury, Dissolved General Chemistry	- Dissolved Result ND		0.20	0_16	ug/L		05/03/14 10:45	05/03/14 18:09	
Mercury Method: 7470 - Dissolved Mercury Analyte Mercury, Dissolved General Chemistry Analyte	- Dissolved Result ND Result	Qualifier	0.20 RL	0.16 MDL	ug/L Unit -	D	05/03/14 10:45 Prepared	05/03/14 18:09 Analyzed	Dil Fa
Mercury Method: 7470 - Dissolved Mercury Analyte Mercury, Dissolved General Chemistry Analyte Cyanide, Total Cyanide, Free	- Dissolved Result ND	Qualifier	0.20	0_16	ug/L Unit - mg/L		05/03/14 10:45	05/03/14 18:09	Dil Fa Dil Fa

TestAmerica Buffalo

1

05/07/14 11:30

05/07/14 05:30

5.0

0.72 ug/L

ND

## **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 Date Collected: 04/25/14 00:00 Date Received: 04/25/14 16:00							Lab Sample ID: 480-58785 Matrix: Wat				
Method: 6010C - Dissolved Metals Analyte		Qualifler	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)									<i>n</i>		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII 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	Qualifler	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		