

Attachment C-4

Report Name: Potential Arsenic Contaminated Soil Sampling Report

Site Name: NRB Huntley Station

Report Dated: July 13, 2018

Prepared by: Frontier Technical Associates, Inc.

of pages: 8



FRONTIER TECHNICAL ASSOCIATES, INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

Environmental Monitoring and Consulting

ATTORNEY CLIENT PRIVILEGED

July 13, 2018

ET-1267

Mr. Gregory M. Brown, Esq.
BROWN DUKE & FOGEL, P.C.
100 Madison Street, AXA Tower 1, Ste. 1820
Syracuse, New York 13202

RE: Potential Arsenic Contaminated Soil Sampling
NRG Huntley Station

Dear Mr. Brown:

Frontier Technical Associates, Inc. (FTA) obtained soil samples from four locations on the southern portion of the Huntley Station at locations shown on Figure 1. The samples were obtained by David M. Harty, P.E. on June 29, 2018. The samples were obtain within the first 12" of soil at locations. A chain-of-custody record for the samples were established and the samples were shipped to Adirondack Environmental Services, Inc. for analysis. Adirondack Environmental Services is an NYSDOH ELAP certified laboratory. The samples were analyzed for total arsenic.

The laboratory report is attached and the results are summarized on Table 1.

If you have any questions, please do not hesitate to call me at (716) 634-2293. Thank you for the opportunity to be of service.

Sincerely,

A handwritten signature in black ink that reads 'Kathy Wager'.

Kathy Wager
Vice President



FRONTIER TECHNICAL ASSOCIATES, INC.

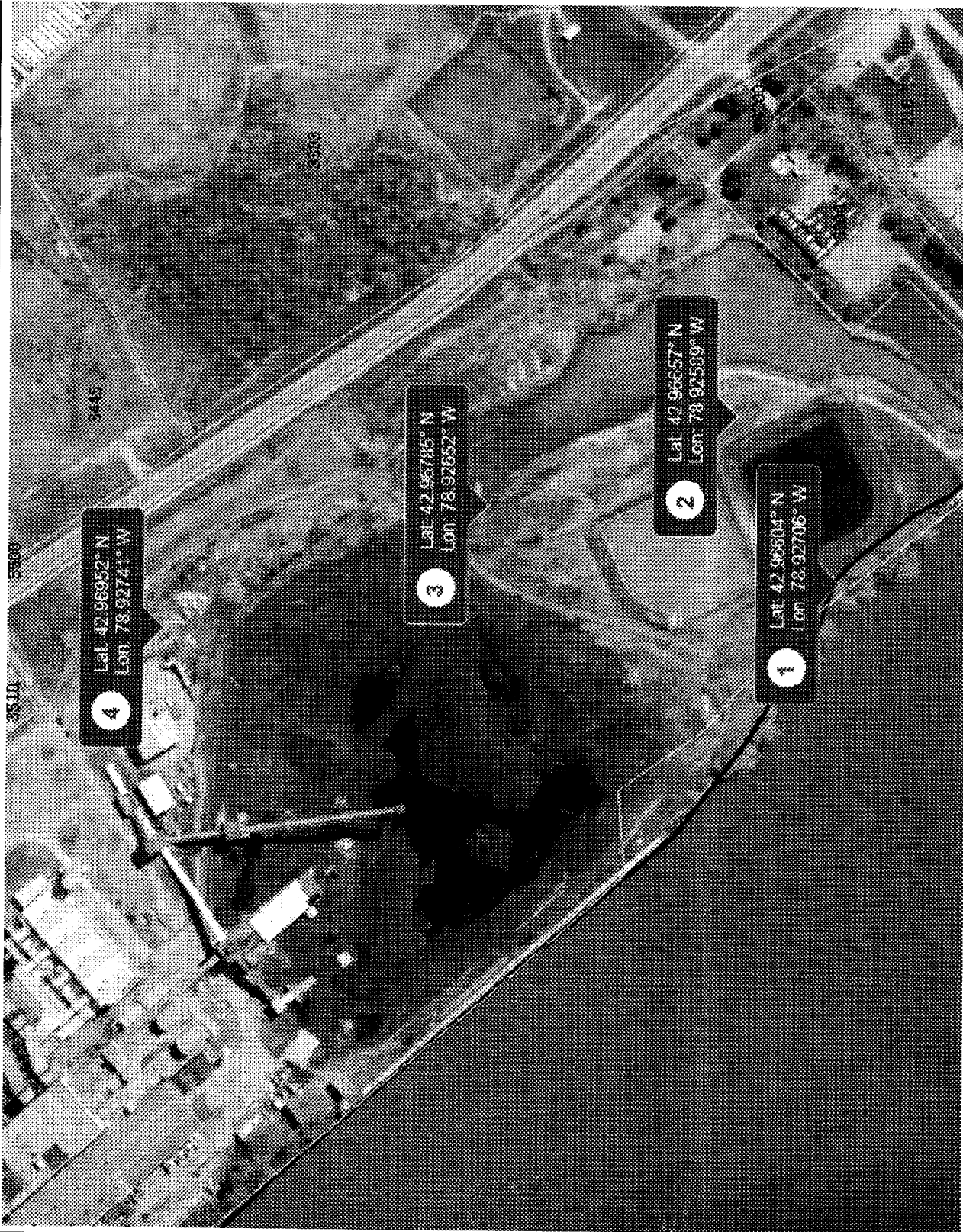
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**Table 1
 NYSDEC Soil Cleanup Levels for Arsenic (Part 751-6.8 (b)) and Results of Sampling
 (June 29, 2018)**

Location	Part 375-6.8(b) Restricted Use Soil Cleanup Objectives (ppm)					
	Residential	Restricted Residential	Commercial	Industrial	Protection of Ecological Resources	Protection of Groundwater
Objective	16	16	16	16	13	16
South Equalization Basin West Side	7.65					
South Pond South	63.9					
North South Pond	1.10					
Wastewater East	64.5					



Soil Sampling Locations at NRG Huntley



Legend

Parcels

Municipal Boundaries

0 376.17 752.34 Feet

WGS_1984_Web_Mercator_Auxiliary_Sphere
THIS MAP IS NOT TO BE USED FOR NAVIGATION

ERIE COUNTY
DEPARTMENT OF ENVIRONMENT & PLANNING
OFFICE OF GIS

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

1: 4,514





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July 12, 2018

Dave Harty
Frontier Technical Associates
8675 Main Street
Williamsville, NY 14221
TEL: (716) 634-2293

Work Order No: 180703067

RE: Plant N

Dear Dave Harty:

Adirondack Environmental Services, Inc received 4 samples on 7/3/2018 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Krzysztof Trafalski
Laboratory Manager

ELAP#: 10709

CLIENT:	Frontier Technical Associates	Date: 12-Jul-18
Project:	Plant N	
Lab Order:	180703067	

Sample containers were not supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers: ND : Not Detected at reporting limit	C: CCV below acceptable Limits
J: Analyte detected below quantitation limit	C+: CCV above acceptable Limits
B: Analyte detected in Blank	S: LCS Spike recovery is below acceptable limits
X : Exceeds maximum contamination limit	S+: LCS Spike recovery is above acceptable limits
H: Hold time exceeded	Z: Duplication outside acceptable limits
N: Matrix Spike below acceptable limits	T : Tentatively Identified Compound-Estimated
N+: Matrix Spike is above acceptable limits	E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: 12-Jul-18

CLIENT: Frontier Technical Associates
Project: Plant N

LabWork Order: 180703067
PO#:

Lab SampleID: 180703067-001						Collection Date: 6/29/2018
Client Sample ID: South Equalization West Side						Matrix: SOIL
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS-EPA 6010C						Analyst: WB
(Prep: SW3050B - 7/5/2018)						
Arsenic	7.65	0.282		µg/g-dry	1	7/6/2018 3:38:29 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: TSZ
Percent Moisture	11.5	0.1		wt%	1	7/10/2018

Lab SampleID: 180703067-002						Collection Date: 6/29/2018
Client Sample ID: South Pond South						Matrix: SOIL
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS-EPA 6010C						Analyst: WB
(Prep: SW3050B - 7/5/2018)						
Arsenic	63.9	0.260		µg/g-dry	1	7/6/2018 3:46:51 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: TSZ
Percent Moisture	3.7	0.1		wt%	1	7/10/2018

Lab SampleID: 180703067-003						Collection Date: 6/29/2018
Client Sample ID: North South Pond						Matrix: SOIL
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS-EPA 6010C						Analyst: WB
(Prep: SW3050B - 7/5/2018)						
Arsenic	1.10	0.333		µg/g-dry	1	7/6/2018 3:55:19 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: TSZ
Percent Moisture	24.9	0.1		wt%	1	7/10/2018

Adirondack Environmental Services, Inc

Date: 12-Jul-18

CLIENT: Frontier Technical Associates
Project: Plant N

LabWork Order: 180703067
PO#:

Lab SampleID: 180703067-004

Collection Date: 6/29/2018

Client Sample ID: Wastewater East

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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ICP METALS-EPA 6010C

Analyst: **WB**

(Prep: SW3050B - 7/5/2018)

Arsenic	64.5	0.392		µg/g-dry	1	7/6/2018 4:07:34 PM
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MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)

Analyst: **TSZ**

Percent Moisture	36.3	0.1		wt%	1	7/10/2018
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314 North Pearl Street
 Albany, New York 12207
 518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order # 1802007

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Client Name: Frontier Technical Associates, Inc.		Address: 8675 Main Street, Williamsville, NY 14221						
Send Report To: David Harty		Project Name (Location) Plant N			Samplers: (Names) David Harty			
Client Phone No: 716-634-2293		Client Email: david.harty@frontiertech.com		PO Number:		Samplers (Signature) <i>[Signature]</i>		
AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
001	South Equalization West Side	6/29/18	9:30 ^{AM}	S	X		1	Total Arsenic
			A					
			P					
002	South Pond South	6/29/18	10:00 ^{AM}	S	X		1	Total Arsenic
			A					
			P					
003	North South Pond	6/29/18	10:10 ^{AM}	S	X		1	Total Arsenic
			A					
			P					
004	Wastewater East	6/29/18	10:25 ^{AM}	S	X		1	Total Arsenic
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					

Shipment Arrived Via: <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> Client <input type="checkbox"/> AES <input type="checkbox"/> Other: _____		CC Report To / Special Instructions/Remarks:	
Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day <small>Note: Samples received after 3:30 pm are considered next business day</small>			
Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature) <i>To Fed Ex</i>	Date/Time 7/2/18 3:30 pm
Relinquished by: (Signature)		Received by: (Signature)	Date/Time
Relinquished by: (Signature)		Received for Laboratory by: <i>[Signature]</i>	Date/Time 7/3/18 2:41 pm
TEMPERATURE Ambient or Chilled Notes: <u>72°</u>		AES Bottles Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	PROPERLY PRESERVED Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
			RECEIVED WITHIN HOLDING TIMES Y <input checked="" type="checkbox"/> N <input type="checkbox"/>

WHITE - Lab Copy

YELLOW - Sampler Copy

