



**ADDENDUM NO. 4
Issued August 25, 2016
TO
REQUEST FOR PROPOSALS (“RFP”)
FOR
TRANSPORTATION AND/OR DISPOSAL OF ASH RESIDUE
FROM THE CSWS RESOURCE RECOVERY FACILITY
(RFP Number 17-EN-001)**

(RFP Issued July 19, 2016)

Note: Proposers are required to acknowledge this and all Addenda in Section 6(a) of the Proposal Form (Section 4.1 of the RFP Package Documents).

1. ASH CHARACTERISTICS - TOTAL METALS

Attached hereto and incorporated herein this Exhibit 4 is the Total Metals Analysis on the Ash that is hereby incorporated as Section 3.2 of the RFP Package Documents. Each of the four (4) samples is a composite of eight hourly grab samples taken over an eight-hour period.

END OF ADDENDUM 4



Thursday, August 18, 2016

Attn: Tom Hochdorfer
NAES Corporation PBF
Reserve Road, Gate 20
Hartford, CT 06114

Project ID: NAES-ASH
Sample ID#s: BN88115 - BN88118

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 August 18, 2016

FOR: Attn: Tom Hochdorfer
 NAES Corporation PBF
 Reserve Road, Gate 20
 Hartford, CT 06114

Sample Information

Matrix: SOLID
 Location Code: NAES
 Rush Request: Standard
 P.O.#: 2016-1082

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

07/30/16
 08/08/16

Time

16:45
 13:23

Laboratory Data

SDG ID: GBN88115
 Phoenix ID: BN88115

Project ID: NAES-ASH
 Client ID: SAMPLE 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	8.47	0.42	mg/Kg	1	08/09/16	LK	SW6010C
Arsenic	41.5	0.84	mg/Kg	1	08/09/16	LK	SW6010C
Barium	557	0.42	mg/Kg	1	08/09/16	LK	SW6010C
Beryllium	0.40	0.34	mg/Kg	1	08/09/16	LK	SW6010C
Cadmium	89.7	0.42	mg/Kg	1	08/09/16	LK	SW6010C
Cobalt	38.9	0.42	mg/Kg	1	08/09/16	LK	SW6010C
Chromium	167	0.42	mg/Kg	1	08/09/16	LK	SW6010C
Copper	1440	42	mg/kg	100	08/10/16	LK	SW6010C
Mercury	4.39	0.34	mg/Kg	1	08/09/16	RS	SW7471B
Nickel	212	42	mg/Kg	100	08/10/16	LK	SW6010C
Lead	2330	42	mg/Kg	100	08/10/16	LK	SW6010C
Antimony	297	42	mg/Kg	10	08/15/16	EK	SW6010C
Selenium	< 1.7	1.7	mg/Kg	1	08/09/16	LK	SW6010C
Thallium	< 3.8	3.8	mg/Kg	1	08/09/16	LK	SW6010C
Vanadium	24.5	0.42	mg/Kg	1	08/09/16	LK	SW6010C
Zinc	6240	42	mg/Kg	100	08/10/16	LK	SW6010C
Percent Solid	70		%		08/08/16	W	SW846-%Solid
Mercury Digestion	Completed				08/09/16	W/W	SW7471B
Total Metals Digest	Completed				08/08/16	X/AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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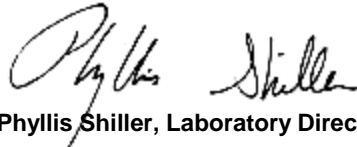
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

August 18, 2016

Reviewed and Released by: Deb Lawrie, Project Manager



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 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 August 18, 2016

FOR: Attn: Tom Hochdorfer
 NAES Corporation PBF
 Reserve Road, Gate 20
 Hartford, CT 06114

Sample Information

Matrix: SOLID
 Location Code: NAES
 Rush Request: Standard
 P.O.#: 2016-1082

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

07/31/16
 08/08/16

Time

14:45
 13:23

Laboratory Data

SDG ID: GBN88115
 Phoenix ID: BN88116

Project ID: NAES-ASH
 Client ID: SAMPLE 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	9.07	0.48	mg/Kg	1	08/09/16	LK	SW6010C
Arsenic	34.7	0.95	mg/Kg	1	08/09/16	LK	SW6010C
Barium	582	0.48	mg/Kg	1	08/09/16	LK	SW6010C
Beryllium	0.42	0.38	mg/Kg	1	08/09/16	LK	SW6010C
Cadmium	70.7	0.48	mg/Kg	1	08/09/16	LK	SW6010C
Cobalt	29.4	0.48	mg/Kg	1	08/09/16	LK	SW6010C
Chromium	80.0	0.48	mg/Kg	1	08/09/16	LK	SW6010C
Copper	875	48	mg/kg	100	08/10/16	LK	SW6010C
Mercury	3.32	0.34	mg/Kg	1	08/09/16	RS	SW7471B
Nickel	111	0.48	mg/Kg	1	08/09/16	LK	SW6010C
Lead	1770	48	mg/Kg	100	08/10/16	LK	SW6010C
Antimony	247	48	mg/Kg	10	08/15/16	EK	SW6010C
Selenium	< 1.9	1.9	mg/Kg	1	08/09/16	LK	SW6010C
Thallium	< 4.3	4.3	mg/Kg	1	08/09/16	LK	SW6010C
Vanadium	23.1	0.48	mg/Kg	1	08/09/16	LK	SW6010C
Zinc	5120	48	mg/Kg	100	08/10/16	LK	SW6010C
Percent Solid	72		%		08/08/16	W	SW846-%Solid
Mercury Digestion	Completed				08/09/16	W/W	SW7471B
Total Metals Digest	Completed				08/08/16	X/AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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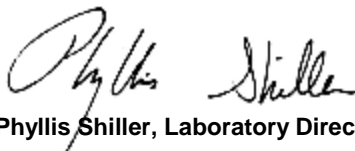
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

August 18, 2016

Reviewed and Released by: Deb Lawrie, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 August 18, 2016

FOR: Attn: Tom Hochdorfer
 NAES Corporation PBF
 Reserve Road, Gate 20
 Hartford, CT 06114

Sample Information

Matrix: SOLID
 Location Code: NAES
 Rush Request: Standard
 P.O.#: 2016-1082

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date Time
 08/01/16 14:30
 08/08/16 13:23

Laboratory Data

SDG ID: GBN88115
 Phoenix ID: BN88117

Project ID: NAES-ASH
 Client ID: SAMPLE 3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	7.01	0.44	mg/Kg	1	08/09/16	LK	SW6010C
Arsenic	30.5	0.88	mg/Kg	1	08/09/16	LK	SW6010C
Barium	587	0.44	mg/Kg	1	08/09/16	LK	SW6010C
Beryllium	0.40	0.35	mg/Kg	1	08/09/16	LK	SW6010C
Cadmium	46.5	0.44	mg/Kg	1	08/09/16	LK	SW6010C
Cobalt	29.6	0.44	mg/Kg	1	08/09/16	LK	SW6010C
Chromium	88.9	0.44	mg/Kg	1	08/09/16	LK	SW6010C
Copper	2360	44	mg/kg	100	08/10/16	LK	SW6010C
Mercury	2.57	0.31	mg/Kg	1	08/09/16	RS	SW7471B
Nickel	134	0.44	mg/Kg	1	08/09/16	LK	SW6010C
Lead	1680	44	mg/Kg	100	08/10/16	LK	SW6010C
Antimony	219	44	mg/Kg	10	08/15/16	EK	SW6010C
Selenium	< 1.8	1.8	mg/Kg	1	08/09/16	LK	SW6010C
Thallium	< 3.9	3.9	mg/Kg	1	08/09/16	LK	SW6010C
Vanadium	27.6	0.44	mg/Kg	1	08/09/16	LK	SW6010C
Zinc	5090	44	mg/Kg	100	08/10/16	LK	SW6010C
Percent Solid	75		%		08/08/16	W	SW846-%Solid
Mercury Digestion	Completed				08/09/16	W/W	SW7471B
Total Metals Digest	Completed				08/08/16	X/AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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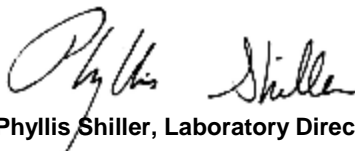
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

August 18, 2016

Reviewed and Released by: Deb Lawrie, Project Manager



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 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 August 18, 2016

FOR: Attn: Tom Hochdorfer
 NAES Corporation PBF
 Reserve Road, Gate 20
 Hartford, CT 06114

Sample Information

Matrix: SOLID
 Location Code: NAES
 Rush Request: Standard
 P.O.#: 2016-1082

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

08/02/16
 08/08/16

Time

14:30
 13:23

Laboratory Data

SDG ID: GBN88115
 Phoenix ID: BN88118

Project ID: NAES-ASH
 Client ID: SAMPLE 4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	5.92	0.41	mg/Kg	1	08/09/16	LK	SW6010C
Arsenic	34.4	0.83	mg/Kg	1	08/09/16	LK	SW6010C
Barium	812	0.41	mg/Kg	1	08/09/16	LK	SW6010C
Beryllium	0.40	0.33	mg/Kg	1	08/09/16	LK	SW6010C
Cadmium	48.8	0.41	mg/Kg	1	08/09/16	LK	SW6010C
Cobalt	29.1	0.41	mg/Kg	1	08/09/16	LK	SW6010C
Chromium	64.3	0.41	mg/Kg	1	08/09/16	LK	SW6010C
Copper	993	41	mg/kg	100	08/10/16	LK	SW6010C
Mercury	3.50	0.34	mg/Kg	1	08/09/16	RS	SW7471B
Nickel	84.8	0.41	mg/Kg	1	08/09/16	LK	SW6010C
Lead	1180	41	mg/Kg	100	08/10/16	LK	SW6010C
Antimony	271	41	mg/Kg	10	08/15/16	EK	SW6010C
Selenium	< 1.7	1.7	mg/Kg	1	08/09/16	LK	SW6010C
Thallium	< 3.7	3.7	mg/Kg	1	08/09/16	LK	SW6010C
Vanadium	19.8	0.41	mg/Kg	1	08/09/16	LK	SW6010C
Zinc	6080	41	mg/Kg	100	08/10/16	LK	SW6010C
Percent Solid	71		%		08/08/16	W	SW846-%Solid
Mercury Digestion	Completed				08/09/16	W/W	SW7471B
Total Metals Digest	Completed				08/08/16	X/AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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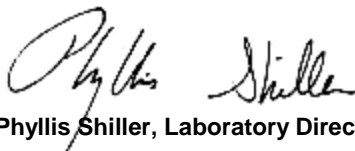
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

August 18, 2016

Reviewed and Released by: Deb Lawrie, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

August 18, 2016

QA/QC Data

SDG I.D.: GBN88115

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 355047 (mg/kg), QC Sample No: BN87645 (BN88115, BN88116, BN88117, BN88118)

Mercury - Soil	BRL	0.03	61.3	63.7	3.80	121	107	12.3	82.2			70 - 130	30
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Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

QA/QC Batch 354992 (mg/kg), QC Sample No: BN87646 (BN88115, BN88116, BN88117, BN88118)

ICP Metals - Soil

Antimony	BRL	3.3	<3.3	<3.5	NC	99.9			86.6			75 - 125	30
Arsenic	BRL	0.66	2.54	2.45	NC	93.3			87.9			75 - 125	30
Barium	BRL	0.33	41.1	38.0	7.80	89.3			107			75 - 125	30
Beryllium	BRL	0.26	<0.26	<0.28	NC	91.8			92.4			75 - 125	30
Cadmium	BRL	0.33	<0.33	<0.35	NC	86.4			88.0			75 - 125	30
Chromium	BRL	0.33	9.91	11.3	13.1	94.4			96.2			75 - 125	30
Cobalt	BRL	0.33	3.09	3.74	19.0	90.8			91.5			75 - 125	30
Copper	BRL	0.33	38.1	34.0	11.4	95.5			101			75 - 125	30
Lead	BRL	0.33	75.5	60.4	22.2	91.1			86.7			75 - 125	30
Nickel	BRL	0.33	9.24	9.84	6.30	92.2			92.3			75 - 125	30
Selenium	BRL	1.3	<1.3	<1.4	NC	84.9			80.7			75 - 125	30
Silver	BRL	0.33	<0.33	<0.35	NC	93.3			93.6			75 - 125	30
Thallium	BRL	3.0	<3.0	<3.1	NC	94.7			92.4			75 - 125	30
Vanadium	BRL	0.33	13.0	14.5	10.9	99.9			94.0			75 - 125	30
Zinc	BRL	0.33	65.5	104	45.4	90.3			89.3			75 - 125	30

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

August 18, 2016

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBN88115 - NAES

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
 Email: info@phoenixlabs.com Fax (860) 645-0823
 Client Services (860) 645-8726

Coolant: IPK ICE No No
 Cooler: Yes No

Temp 10 °C Pg 1 of 1

Contact Options:

Fax: _____
 Phone: 860-240-7144
 Email: tom.hochstetler@naes.com

Customer: NAES Project: NAES - Ash
 Address: Bezeve Rd. Gate 20 Report to: Tom Hochstetler
Hartford, CT 06114 Invoice to: Tom Hochstetler

Project P.O.: _____

This section **MUST** be completed with **Bottle Quantities.**

Client Sample - Information - Identification

Sampler's Signature: [Signature] Date: 8/15/16
 Matrix Code: _____
 DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
 OIL=Oil B=Bulk L=Liquid

Analysis Request: Total Arsenic, Barium, Boron, Cadmium, Chromium, Lead, Mercury, Nickel, Selenium, Silver, Vanadium, Zinc

Soil VOA Vials [methanol] H2O
 40 ml VOA Vial [As Es] HCl
 GL Amber 100ml [As Es] H2SO4
 PL As Es [250ml] [500ml] [1000ml]
 PL H2SO4 [250ml] [500ml] [1000ml]
 PL HNO3 250ml
 Bacteria Bottle

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
88115	Sample 1	Ash	7/30/16	945-1045
88116	Sample 2	↓	7/31/16	745-1445
88117	Sample 3	↓	8/1/16	730-1430
88118	Sample 4	Ash	8/12/16	730-1430

Analysis Request	RI	CT	MA	Data Format
X	<input type="checkbox"/> Direct Exposure (Residential) <input type="checkbox"/> GW <input type="checkbox"/> Other	<input type="checkbox"/> RCP Cert <input type="checkbox"/> GW Protection <input type="checkbox"/> SW Protection <input type="checkbox"/> GA Mobility <input type="checkbox"/> GB Mobility <input type="checkbox"/> Residential DEC <input type="checkbox"/> I/C DEC <input type="checkbox"/> Other	<input type="checkbox"/> MCP Certification <input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> S-3 <input type="checkbox"/> MWRA eSMART <input type="checkbox"/> Other	<input type="checkbox"/> Excel <input checked="" type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input type="checkbox"/> Other
X				
X				
X				

Relinquished by: [Signature] Accepted by: Fridge
 Date: 8/15/16 Time: 1208
8/16/16 1256
8/18/16 1323

Comments, Special Requirements or Regulations: _____

Turnaround:
 1 Day*
 2 Days*
 3 Days*
 Standard
 Other

State where samples were collected: CT

* SURCHARGE APPLIES