Roanoke Valley Energy Facility
Westmoreland Partners, LLC

July 7, 2014

Mr. Edward Mussler
Permitting Supervisor – Solid Waste Section
North Carolina Department of Environment and Natural Resources
Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646

Subject: **Coal Ash to Halifax County Landfill Ash Monocell Site**
Permit # 4204-INDUS-1994
Westmoreland Partners – Roanoke Valley Energy Facility
Weldon, North Carolina 27890
Bottom Ash, Fly Ash, and Sludge TCLP sample results for the 2014

Dear Mr. Mussler:

On behalf of Westmoreland Partners, LLC, I would like to submit the attached 2014 Toxicity Characteristic Leaching Procedure (TCLP) fly ash, bottom ash, and sludge sample results of the ash and sludge being sent to the Halifax County Landfill Ash Monocell for the current year. The ash samples were collected on June 16-19, 2014 and analyzed by Meritech Environmental Laboratories, Inc. The sludge sample was collected January 23, 2014 and analyzed by Meritech Environmental Laboratories, Inc.

If you have any further questions please contact me at (252) 536-3200

Respectfully,

Don R. Keisling
President, Westmoreland-NC Power, LLC
GP Westmoreland Partners, LLC

Cc: Mary Whaley, NC DENR
Larry Garris, Halifax County - Solid Waste
Eric Woods, NAES
Chris Hews, NAES

290 Power Place Weldon, North Carolina 27890 Phone: (252) 536-3200 fax: (252) 536-4448

MERITECH, INC.

Environmental Laboratories

Laboratory Cerification No. 165

Contact: Chris E. Hews Sr.
Client: Westermoreland Partners, LLC
290 Power Place
Weldon, NC 27890

Report Date: 7/3/2014
NPDES#: NCS000229
Project: Roanoke Valley Energy
Date Sample Rcvd: 6/24/2014

TCLP Metals:

Meritech Work Order # 06241461 Sample: Rova 1 Fly Ash Grab 6/16/14

Parameter	Results	Analysis Date	Reporting Limit	Method
Arsenic	1.63 mg/L	7/2/14	0.100 mg/L	EPA 200.7
Barium	23.7 mg/L	7/2/14	0.050 mg/L	EPA 200.7
Cadmium	0.018 mg/L	7/2/14	0.020 mg/L	EPA 200.7
Chromium	1.08 mg/L	7/2/14	0.050 mg/L	EPA 200.7
Lead	1.09 mg/L	7/2/14	0.100 mg/L	EPA 200.7
Mercury	0.03 mg/L	6/30/14	0.02 mg/L	EPA 245.1
Selenium	0.944 mg/L	7/2/14	0.100 mg/L	EPA 200.7
Silver	< 0.050 mg/L	7/2/14	0.050 mg/L	EPA 200.7

Meritech Work Order # 06241462 Sample: Rova 1 Bottom Ash Grab 6/16/14

Parameter	Results	Analysis Date	Reporting Limit	Method
Arsenic	< 0.100 mg/L	7/2/14	0.100 mg/L	EPA 200.7
Barium	1.46 mg/L	7/2/14	0.050 mg/L	EPA 200.7
Cadmium	< 0.020 mg/L	7/2/14	0.020 mg/L	EPA 200.7
Chromium	< 0.050 mg/L	7/2/14	0.050 mg/L	EPA 200.7
Lead	< 0.100 mg/L	7/2/14	0.100 mg/L	EPA 200.7
Mercury	< 0.02 mg/L	6/30/14	0.02 mg/L	EPA 245.1
Selenium	< 0.100 mg/L	7/2/14	0.100 mg/L	EPA 200.7
Silver	< 0.050 mg/L	7/2/14	0.050 mg/L	EPA 200.7

Meritech Work Order # 06241463 Sample: Rova 2 Fly Ash 6/19/14

Parameter	Results	Analysis Date	Reporting Limit	Method
Arsenic	2.53 mg/L	7/2/14	0.100 mg/L	EPA 200.7
Barium	30.7 mg/L	7/2/14	0.050 mg/L	EPA 200.7
Cadmium	0.091 mg/L	7/2/14	0.020 mg/L	EPA 200.7
Chromium	0.598 mg/L	7/2/14	0.050 mg/L	EPA 200.7
Lead	0.775 mg/L	7/2/14	0.100 mg/L	EPA 200.7
Mercury	0.03 mg/L	6/30/14	0.02 mg/L	EPA 245.1
Selenium	0.669 mg/L	7/2/14	0.100 mg/L	EPA 200.7
Silver	< 0.050 mg/L	7/2/14	0.050 mg/L	EPA 200.7

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

MERITECH, INC.

Environmental Laboratories

Laboratory Cerification No. 165

Contact: Chris E. Hews Sr.
Client: Westermoreland Partners, LLC
290 Power Place
Weldon, NC 27890

Report Date: 7/3/2014
NPDES#: NCS000229
Project: Roanoke Valley Energy
Date Sample Rcvd: 6/24/2014

Meritech Work Order # 06241464 Sample: Rova 2 Bottom Ash Grab 6/19/14

Parameter	Results	Analysis Date	Reporting Limit	Method
Arsenic	3.41 mg/L	7/2/14	0.100 mg/L	EPA 200.7
Barium	14.5 mg/L	7/2/14	0.050 mg/L	EPA 200.7
Cadmium	0.099 mg/L	7/2/14	0.020 mg/L	EPA 200.7
Chromium	0.171 mg/L	7/2/14	0.050 mg/L	EPA 200.7
Lead	1.44 mg/L	7/2/14	0.100 mg/L	EPA 200.7
Mercury	< 0.02 mg/L	6/30/14	0.02 mg/L	EPA 245.1
Selenium	< 0.100 mg/L	7/2/14	0.100 mg/L	EPA 200.7
Silver	< 0.050 mg/L	7/2/14	0.050 mg/L	EPA 200.7

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

Chain of Custody Record (COC)

MERITECH INC.
Environmental Laboratories
A Division of Water Technology and Control, Inc.

642 Tamco Rd
Reidsville, NC
27320

Phone 1-336-342-4748
Fax: 1-336-342-1522
Email: wtclab@bellsouth.net
Web Site: www.meritech-labs.com

Client: Westmoreland Partners LLC

Address: 290 Power Place
Weldon, NC 27890

Attention: Chris E. Hews Sr.

NPDES #: NCS000229
Phone: (252) 536-3200
Fax: (252) 536-4448
Email: chris.hews@pwrops.com
Project: Roanoke Valley Energy Facility
PO #:

Turn Around Time*: Std (10 days) ☒ | 3 - 5 Day ☐ | 24 - 48 Hr ☐

Person Taking Sample (Signature): Sted Ward / Shawn Slaughter

Sample Location/ID #	Sampling Dates & Times: START Date	START Time	END Date	END Time	Comp? Grab?	# of Conts.	Tests Required	Lab Use Only: On Ice?	pH OK? C12 OK?
Rova 1 Fly Ash	6/16/2014	10:15			Grab	1 gal. bag	TCLP for Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver 61	NO	
Rova 1 Bottom Ash	6/16/2014	13:40			Grab	1gal. bag	TCLP for Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver 62	NO	
Rova 2 Fly Ash	6/19/2014	1300			Grab	1gal. bag	TCLP for Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver 63	NO	
Rova 2 Bottom Ash	6/19/2014	1315			Grab	1gal. bag	TCLP for Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver 64	NO	

Method of Shipment:
- ☐ UPS
- ☐ Fed Ex
- ☐ Hand Delivery
- ☐ Other
- Pick-up ✓

Comments:
E-mail results to: chris.hews@pwrops.com

Will these results be used for regulatory purposes? Yes ✓ No ☐

**RUSH work must be approved prior to submitting samples.*

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Chris E Hews Sr	6/24/14	11:20	Charlie Jones	6-24-14	11:20
Charlie Jones	6-24-14	4:20			
			Received at lab by: [signature]	6-24-14	4:20

MERITECH, INC.

Environmental Laboratories

Laboratory Cerification No. 165

Contact: Chris E. Hews Sr.
Client: Westermoreland Partners, LLC
290 Power Place
Weldon, NC 27890

Report Date: 2/5/2014
NPDES#: NCS000229
Project: Roanoke Valley Energy
P.O.# 2110122
Date Sample Rcvd: 1/23/2014

TCLP Metals

Meritech Work Order # 01231455 Sample: Sludge Drying Area 1/22/14

Parameter	Result	Analysis	Reporting Limit	Method
Arsenic	1.49 mg/L	2/4/14	0.100 mg/L	EPA 200.7
Barium	15.1 mg/L	2/4/14	0.050 mg/L	EPA 200.7
Cadmium	< 0.020 mg/L	2/4/14	0.020 mg/L	EPA 200.7
Chromium	1.21 mg/L	2/4/14	0.050 mg/L	EPA 200.7
Lead	0.697 mg/L	2/4/14	0.100 mg/L	EPA 200.7
Mercury	< 0.02 mg/L	1/31/14	0.02 mg/L	EPA 245.1
Selenium	0.113 mg/L	2/4/14	0.100 mg/L	EPA 200.7
Silver	< 0.050 mg/L	2/4/14	0.050 mg/L	EPA 200.7

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

Chain of Custody Record (COC)

MERITECH INC.
Environmental Laboratories
A Division of Water Technology and Control, Inc.

642 Tamco Rd
Reidsville, NC
27320

Phone 1-336-342-4748
Fax: 1-336-342-1522
Email: wtclab@bellsouth.net
Web Site: www.meritech-labs.com

Client: Westmoreland Partners, LLC
Address: 290 Power Place
Weldon, NC 27890
Attention: Chris E. Hews Sr.

NPDES #: NCS000229
Phone: (252) 536-3200
Fax: (252) 536-4448
Email: chris.hews@pwrops.com
Project: Roanoke Valley Energy Facility
PO #: 2110122

Turn Around Time*: Std (10 days) [■] 3 - 5 Day [ ] 24 - 48 Hr [ ]

Person Taking Sample (Signature): [signature]

Sample Location/ID #	Sampling Dates & Times START Date	START Time	END Date	END Time	Comp? Grab?	# of Conts.	Tests Required		Lab Use Only: On Ice?	Lab Use Only: pH OK? C12 OK?
Sludge Drying area	1/22/2014	8:20			Grab	1 Gallon Plastic Bag	TCLP for Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium and Silver	55	2.7	

Method of Shipment:
- [ ] UPS
- [ ] Fed Ex
- [ ] Hand Delivery
- [ ] Other

Comments:
For Regulatory on disposal at Halifax County Landfill.

Will these results be used for regulatory purposes? Yes [Yes - X] No [ ]

*RUSH work must be approved prior to submitting samples.

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	1-23-14	1105	[signature]	1-23-14	1105
[signature]	1-23-14	355			
			Received at lab by: [signature]	1-23-14	3:55