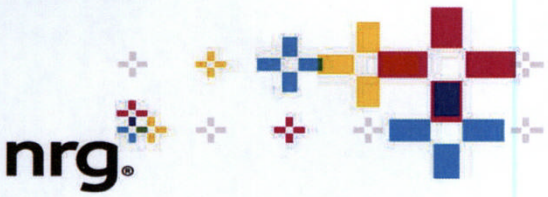
MD Ash Management
25100 Chalk Point Road,
Aquasco, Maryland 20608
T (301) 843-4127 C (240) 375-3740



Certified Mail/Return Receipt Requested

Mr. Edward M. Dexter, Administrator
Solid Waste Program, Suite 605
Maryland Department of the Environment
1800 Washington Blvd.
Baltimore, MD. 21230

February 28, 2013

Re: 2012 CCB Tonnage Reports for GenOn's Generating Facilities in Maryland

Dear Mr. Dexter,

Pursuant to COMAR 26.04.10.08, enclosed please find the 2012 CCB tonnage reports for GenOn Mid-Atlantic, LLC's Morgantown and Dickerson Generating Stations, and GenOn Chalk Point, LLC's Chalk Point Generating Station.

If you have any questions regarding these reports, please contact me at 301-843-4127, or at elizabeth.spitzer@nrgenergy.com.

Effective December 14, 2012, NRG Energy, Inc. (NRG) and GenOn Energy, Inc. (GenOn) have combined and will retain the name NRG Energy, Inc. As a result of the merger, all GenOn entities are now wholly owned subsidiaries of NRG. Although the parent corporations, NRG and GenOn, have merged, the entities have not merged or changed names. You can find additional information about NRG and the merger on the website: www.nrgenergy.com

Regards,

Elizabeth A. Spitzer
Environmental Analyst
NRG Energy

Enclosures

MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard • Suite 605 • Baltimore, Maryland 21230-1719
410-537-3315 • 800-633-6101 x3315 • www.mde.state.md.us
Land Management Administration • Solid Waste Program

Coal Combustion Byproducts (CCBs)
Annual Generator Tonnage Report
Instructions for Calendar Year 2012

The following is general information relating to the requirement for reporting quantities of coal combustion byproducts (CCBs) that were managed in the State of Maryland during calendar year 2012. Please answer the questions on the form provided, attaching additional information and any requested supplemental information to the back of the form. *Note that the form for this year requires both volume and weight of the CCBs produced. If you know one of these parameters but not the others, for example, you have the tonnage produced but not the volume, you may calculate the other parameter; however, please provide the calculations and assumptions that you used in your estimate.* Questions can be directed to the Solid Waste Program at (410) 537-3315 or via email at edexter@mde.state.md.us.

I. Background. This requirement that generators of CCBs submit an annual report was instituted in the Code of Maryland Regulations COMAR 26.04.10.08, that was promulgated effective December 1, 2008. The regulation requires that any non-residential generator of CCBs submit a report to the Department by March 1 of each year describing the manner in which CCBs generated within the State were managed during the preceding calendar year. Additional information and specific instructions follow. For more detailed information, please refer to COMAR 26.04.10.08.

II. General Information and Applicability.

A. Definitions. CCBs are defined in COMAR 26.04.10.02B as:

> *"(3) Coal Combustion Byproducts. (a) "Coal combustion byproducts" means the residue generated by or resulting from the burning of coal.*
> *(b) "Coal combustion byproducts" includes fly ash, bottom ash, boiler slag, pozzolan, and other solid residuals removed by air pollution control devices from the flue gas and combustion chambers of coal burning furnaces and boilers, including flue gas desulfurization sludge and other solid residuals recovered from flue gas by wet or dry methods."*

A generator of CCBs is defined in COMAR 26.04.10.02B as:

> *"(9) Generator.*
> *(a) "Generator" means a person whose operations, activities, processes, or actions create coal combustion byproducts.*
> *(b) "Generator" does not include a person who only generates coal combustion byproducts by burning coal at a private residence."*

Facility Name: Dickerson Generating Station **CCB Tonnage Report – 2012**

B. Applicability. **If you or your company meets the definition of a generator of CCBs as defined above, you must provide the information as required below**. For the purposes of this report, "you" shall hereinafter refer to the generator defined above. Please note that COMAR 26.04.10.08 requires generators of CCBs to submit an annual report to the Department concerning the disposition of the CCBs that they generated the previous year. **THIS INCLUDES CCBS THAT WERE NOT SEPARATELY COLLECTED BUT WERE PRODUCED BY THE BURNING OF COAL AND WERE DIRECTLY CONTRIBUTED TO A PRODUCT, such as cement.** Where the amount cannot be directly measured, estimates based on the amount of coal burned can be used. The method of determining the volume of CCBs produced must be described.

III. Required Information. The following information must be provided to the Department by March 1, 2013:

A. Contact information:

Facility Name: Dickerson Generating Station

Name of Permit Holder: GenOn Mid-Atlantic, LLC

Facility Address: 21200 Martinsburg Road
Street

Facility Address: Dickerson Maryland 20842
City State Zip

County: Montgomery

Contact Information (Person filing report or Environmental Manager)

Facility Telephone No.: 301-601-6500 Facility Fax No.: 301-601-6556

Contact Name: Elizabeth A. Spitzer

Contact Title: Environmental Analyst

Contact Address: 25100 Eagle Harbor Rd
Street

Contact Address: Aquasco Maryland 20608
City State Zip

Contact Email: Elizabeth.Spitzer@nrgenergy.com

Contact Telephone No.:301-843-4127 Contact Fax No.: 301-843-4156

For questions on how to complete this form, please contact the Solid Waste Program at 410-537-3315

Facility Name: Dickerson Generating Station **CCB Tonnage Report – 2012**

B. A description of the process that generates the CCBs, including the type of coal or other raw material that generates the CCBs. If the space provided is insufficient, please attach additional pages:

See Attachment A.

C. The volume and weight of CCBs generated during calendar year 2012, including an identification of the different types of CCBs generated and the volume of each type generated. If the space provided is insufficient, please attach additional pages in a similar format. If converting from volume to weight or weight to volume, please provide your calculations and assumptions.

Table I: Volume and Weight of CCBs Generated for Calendar Year 2012: Please note the change to this table from previous years, to include both the volume and weight of the types of CCBs your facility produces.

Volume and Weight of CCBs Generated for Calendar Year 2012				
Flyash Type of CCB	Bottom Ash Type of CCB	On-Spec Gypsum Type of CCB	Off Spec Gypsum Type of CCB	WWTP Fines Type of CCB
28,060 Volume of CCB, in Cubic Yards	4,661 Volume of CCB, in Cubic Yards	34,243 Volume of CCB, in Cubic Yards	794 Volume of CCB, in Cubic Yards	909 Volume of CCB, in Cubic Yards
28,060 Weight of CCB, in Tons	4,661 Weight of CCB, in Tons	66,891 Weight of CCB, in Tons	1,551 Weight of CCB, in Tons	1,776 Weight of CCB, in Tons

Facility Name: Dickerson Generating Station **CCB Tonnage Report – 2012**

Additional notes:

CCB Tonnages are reported in dry short tons. CCB volumes are reported in dry Cubic Yards. WWTP Tons represent fines from the Flue Gas Desulfurization's Waste Water Treatment Volumes of Flyash in Dry Cubic Yards are calculated from dry short tons using a density of 1.0 Tons/Dry CY.
Volumes of Bottom Ash in Dry Cubic Yards are calculated from dry short tons using a density of 1.0 Tons/Dry CY.
Volumes of On-Spec Gypsum, Off-Spec Gypsum and WWTP Fines are calculated from dry short tons using a density of 1.95 Tons/Dry CY.

D. Descriptions of any modeling or risk assessments, or both, conducted relating to the CCBs or their use that were performed by you or your company during the reporting year. Please attach this information to the report.

E. Copies of all laboratory reports of all chemical characterizations of the CCBs. Please attach this information to the report. (See Attachment B).

F. A description of how you disposed of or used your CCBs in calendar year 2012, identifying:

(a) The types and volume of CCBs disposed of or used (if different than described in Paragraph C above) including any CCBs stored during the previous calendar year, the location of disposal, mine reclamation and use sites, and the type and volume of CCBs disposed of or used at each site:

Of the 28,060 tons of **flyash** generated at Dickerson in 2012, 1,414 tons were sold to SEFA, headquartered in Columbia, SC, and 26,646 tons were disposed of at the Westland Ash Site, located in Montgomery Co., Md.
All of the 4,661 tons of **bottom ash** generated in 2012 were sent to the Westland Ash Site, located in Montgomery Co., Md for disposal.
On-Spec Gypsum generated at Dickerson in 2012 was 66,891 tons. 101 tons were stored on-site at the end of 2011, and 2,822 tons were stored on-site at the end of 2012. Of this total, 64,170 tons were transported by barge to LaFarge, located in Buchanan, NY.
Off-Spec Gypsum generated in 2012 was 1,551 tons, all of which was disposed of at Waste Management's Amelia Landfill located in Jetersville, Va.
WWTP Fines produced in 2012 was 1,776 tons, all of which was disposed of at Waste Management's Amelia Landfill located in Jetersville, Va.

and (b) The different uses by type and volume of CCBs:

FlyAsh:
Volume:1,414 tons sold in Maryland for Geotechnical Grout Applications..

On-Spec Gypsum:
Volume:64,170 tons sold
Use: Wallboard

If the space provided is insufficient, please attach additional pages in a similar format.

G. A description of how you intend to dispose of or use CCBs in the next 5 years, identifying:

(a) The types and volume of CCBs intended to be disposed of or used, the location of intended disposal, mine reclamation and use sites, and the type and volume of CCBs intended to be disposed of or used at each site:

FlyAsh: Approximately 28,000 tons/year to be generated, with about 1,400 tons to be sold to SEFA, headquartered in Columbia, SC, and 26,600 tons to be sent for disposal at the Westland Ash Site, located in Montgomery Co., Md.
Bottom Ash: Anticipate 4,700 tons/year to be generated and sent to the Westland Ash Site, located in Montgomery Co., Md, for disposal.
On-Spec Gypsum: Anticipate 67,000 tons/year to be generated, with approximately 3,000 tons stored on site at the Dickerson Generating Station and approximately 64,000 tons/year being transported by barge to LaFarge, located in Buchanan, NY.
Off-Spec Gypsum: Approximately 1,600 tons/year to be generated and disposed of at Waste Management's Amelia Landfill located in Jetersville, Va.
WWTP Fines: Approximately 1,800 tons/year to be generated and disposed of at Waste Management's Amelia Landfill located in Jetersville, Va.

and (b) The different intended uses by type and volume of CCBs.

FlyAsh:
Volume:1,400 tons/year to be sold in Md for Geotechnical Grout Applications..

On-Spec Gypsum:
Volume:64,000 tons/year to be sold.
Use: Wallboard

If the space provided is insufficient, please attach additional pages in a similar format.

IV. Signature and Certification. An authorized official of the generator must sign the annual report, and certify as to the accuracy and completeness of the information contained in the annual report:

This is to certify that, to the best of my knowledge, the information contained in this report and any attached documents are true, accurate, and complete.		
Signature	Jay Bellingham, General Manager, Dickerson Generating Station 301-601-6521 Name, Title, & Telephone No. (Print or Type) Jay.bellingham@nrgenergy.com Your Email Address	2/28/13 Date

V: Attachments (please list):

A)Dickerson Generating Station Process Description

B)Microbac Analyses for Dickerson Fly Ash, Bottom Ash, Off- Spec Gypsum and WWTP Fines

Attachment A

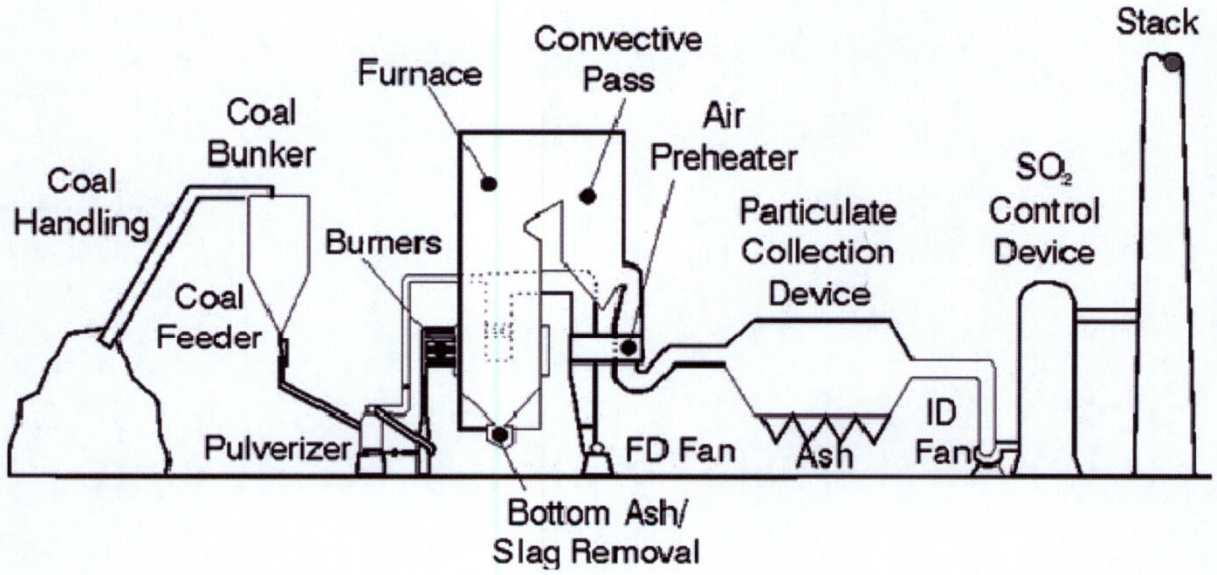
Attachment A

Dickerson Generating Station
21200 Martinsburg Road,
Dickerson, Montgomery County, MD. 20842
301-601-6500

The Dickerson Generating Station is located on the Potomac River, south of the Monocay River in upper Montgomery County, near Dickerson, MD. The facility is engaged in the generation of electric energy for sale. The primary SIC code for this facility is 4911. The facility consists of three steam units, each rated at 191 MWs (base loaded), firing bituminous coal. Each unit is tangentially fired, with a superheater, reheat and economizer. Electrostatic precipitators (ESPs) and a baghouse are installed for particulate control. Low NOx burners, Separated Over-Fired Air (SOFA), Selective Non Catalytic Reduction (SNCR) along with an advanced combustion control system are installed on each unit to reduce and control emissions of oxides of nitrogen (NOx). A Wet Scrubber (FGD) was installed and went in service on the three units in late 2009. The units exhaust through the scrubber stack or, when the FGD is not in service, through a common 700 ft. stack.

Coal is delivered to the Dickerson facility by rail. The rail cars are emptied using a rotary dumper, then transferred by conveyor to either a storage pile or fed directly to a unit's bunker.

The illustration below shows a simple schematic diagram for a typical pulverized coal combustion system. The coal is prepared by grinding to a very fine consistency for combustion.



Attachment A

The CCBs currently produced and used are a result of the combustion of pulverized coal.

Ash is formed in the boiler while coal combusts. In general, pulverized coal combustion results in approximately 10 % ash, of which 65%–85% is fly ash, and the remainder is coarser bottom ash. Bottom ash is a coarse material and falls to the bottom of the boiler. Fly ash is finer than bottom ash and is carried along the combustion process with flue gas. Particulate collection devices remove fly ash from the flue gas and the collected ash is transferred to two ash silos. Fly ash that is not marketed is sent to the Westland Ash Site, whose property is separated from the Dickerson facility by a public road, and is also located in Montgomery County. The bottom ash is conveyed out of the bottom of the boiler via a wet sluice system to hydrobins, where the water is then decanted and the bottom ash sent to the Westland Ash Site, where it is often used in the construction of flyash disposal cells.

Gypsum is a byproduct of SO2 removal by the Flue Gas Desulfurization (FGD) system, commonly known as a scrubber. Dickerson uses wet scrubbers for SO2 removal. Wet scrubbing utilizes a chemical reaction with limestone alkaline sorbent to remove SO2, - as well as some mercury contaminants - from the air stream. The byproduct - gypsum - is sent to the Morgantown Generating Station where it is then conveyed to a barge and transported to La Farge located in Buchannan, New York where it is made into wallboard. Gyspum that doesn't meet the specifications for wallboard production is transported for disposal to Waste Management's Amelia Landfill in Virginia. Waste Water Treatment Plant Fines (WWTP Fines) are removed from the Scrubber's WWTP as needed and transported to Waste Management's Amelia Landfill in Virginia for disposal.

Attachment B

Microbac Laboratories, Inc.
Baltimore Division
2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800
Fax: 410-633-6553
www.microbac.com

COVER LETTER

Pat Miglio
GenOn-Dickerson
21200 Martinsburg Rd.
Dickerson, MD 20842

July 18, 2012
Report No.: 12F1369

RE: Coal Combustion By Products

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 06/27/2012 11:57.

The enclosed results were obtained from and applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories, Inc.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:

- This Cover Page
- Sample Summary
- Test Results
- Certifications/Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

Final report reviewed by: Barbara Schroyer/Project Manager — 7/18/2012 Report issue date

All samples received in proper condition and results conform to ISO 17025 and TNI NELAC standards unless otherwise noted.

If we have not met or exceeded your expectations, please contact Mark Horan, Managing Director, at 410-633-1800 You may also contact Sean Hyde, Chief

Microbac®

Microbac Laboratories, Inc.

Baltimore Division

2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800
Fax: 410-633-6553
www.microbac.com

CERTIFICATE OF ANALYSIS

GenOn-Dickerson 21200 Martinsburg Rd. Dickerson, MD 20842	Project: Coal Combustion By Products Project Number: Coal Combustion By Products Project Manager: Pat Miglio	Report: 12F1369 Reported: 07/18/2012 13:42

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Type	Date Sampled	Date Received
Fly Ash	12F1369-01	Solid	Not Specified	06/25/2012 12:00	06/27/2012 11:57
Bottom Ash	12F1369-02	Solid	Not Specified	06/25/2012 12:00	06/27/2012 11:57
FGD WWTP Fines	12F1369-03	Solid	Not Specified	06/25/2012 14:00	06/27/2012 11:57
FGD Synthetic Gypsum	12F1369-04	Solid	Not Specified	06/25/2012 14:00	06/27/2012 11:57

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Barbara Schroyer, Project Manager

Original Lab Report

Microbac®

Microbac Laboratories, Inc.

Baltimore Division

2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800
Fax: 410-633-6553
www.microbac.com

CERTIFICATE OF ANALYSIS

GenOn-Dickerson	Project: Coal Combustion By Products	Report: 12F1369
21200 Martinsburg Rd.	Project Number: Coal Combustion By Products	Reported: 07/18/2012 13:42
Dickerson, MD 20842	Project Manager: Pat Miglio	

Fly Ash

12F1369-01 (Solid) Sampled: 06/25/2012 12:00; Type: Not Specified

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
% Solids	**79.55**	0.05	% by Weight	062812 1400	062912 1008	LCR	SM (20) 2540G	
General Chemistry								
Sulfur	**0.47**	0.050	% by Weight	070712 1158	070912 1320	BMC	ASTM D129-91	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**1.1**	0.031	mg/kg dry	070612 0911	070912 1439	APS	SW846 7471B	
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.3	mg/kg dry	070312 1415	070912 1806	PBK	EPA 6020	
Aluminum	**27000**	16	mg/kg dry	070312 1415	070512 1443	APS	EPA 6010B	
Arsenic	**54**	1.3	mg/kg dry	070312 1415	070912 1806	PBK	EPA 6020	
Barium	**540**	31	mg/kg dry	070312 1415	071012 1719	PBK	EPA 6020	
Beryllium	**3.9**	1.3	mg/kg dry	070312 1415	070912 1806	PBK	EPA 6020	
Calcium	**26000**	31	mg/kg dry	070312 1415	070512 1443	APS	EPA 6010B	
Cadmium	ND	1.3	mg/kg dry	070312 1415	070912 1806	PBK	EPA 6020	
Cobalt	**13**	1.3	mg/kg dry	070312 1415	070912 1806	PBK	EPA 6020	
Chromium	**41**	6.3	mg/kg dry	070312 1415	070912 1806	PBK	EPA 6020	
Copper	**40**	1.3	mg/kg dry	070312 1415	070912 1806	PBK	EPA 6020	
Iron	**36000**	13	mg/kg dry	070312 1415	070512 1443	APS	EPA 6010B	
Potassium	**2400**	31	mg/kg dry	070312 1415	070512 1443	APS	EPA 6010B	
Lithium	**43**	6.3	mg/kg dry	070312 1415	070512 1443	APS	EPA 6010B	
Magnesium	**3500**	31	mg/kg dry	070312 1415	070512 1443	APS	EPA 6010B	
Molybdenum	ND	6.3	mg/kg dry	070312 1415	070512 1443	APS	EPA 6010B	
Sodium	**2000**	310	mg/kg dry	070312 1415	070512 1443	APS	EPA 6010B	
Nickel	**33**	1.3	mg/kg dry	070312 1415	070912 1806	PBK	EPA 6020	
Lead	**23**	1.3	mg/kg dry	070312 1415	071012 1518	PBK	EPA 6020	
Antimony	ND	13	mg/kg dry	070312 1415	070512 1443	APS	EPA 6010B	

Microbac Laboratories, Inc., Baltimore Division

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Barbara Schroyer, Project Manager

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CERTIFICATE OF ANALYSIS

GenOn-Dickerson 21200 Martinsburg Rd. Dickerson, MD 20842	Project: Coal Combustion By Products Project Number: Coal Combustion By Products Project Manager: Pat Miglio	Report: 12F1369 Reported: 07/18/2012 13:42

Fly Ash

12F1369-01 (Solid) Sampled: 06/25/2012 12:00; Type: Not Specified

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Metals, Total by EPA 6000/7000 Series Methods								
Selenium	**7.9**	6.3	mg/kg dry	070312 1415	070512 1443	APS	EPA 6010B	B1, B7
Thallium	**3.2**	1.3	mg/kg dry	070312 1415	071012 1518	PBK	EPA 6020	
Vanadium	**120**	6.3	mg/kg dry	070312 1415	071012 1518	PBK	EPA 6020	
Vanadium	**240**	160	mg/kg dry	070312 1415	071012 1719	PBK	EPA 6020	
Zinc	**73**	13	mg/kg dry	070312 1415	070912 1806	PBK	EPA 6020	
TCLP Extraction by EPA 1311								
TCLP Extraction	**COMPLETED**		N/A	062912 1800	063012 1100	BMC	EPA 1311	
TCLP Metals by 6000/7000 Series Methods								
Silver	ND	0.20	mg/L	070312 1028	070312 1418	APS	EPA 6010B	D
Arsenic	ND	0.20	mg/L	070312 1028	070312 1418	APS	EPA 6010B	D
Barium	ND	0.50	mg/L	070312 1028	070312 1418	APS	EPA 6010B	D
Cadmium	ND	0.20	mg/L	070312 1028	070312 1418	APS	EPA 6010B	D
Chromium	ND	0.20	mg/L	070312 1028	070312 1418	APS	EPA 6010B	D
Mercury	ND	0.0020	mg/L	070612 1104	070612 1824	APS	EPA 6020	D
Lead	ND	0.20	mg/L	070312 1028	070312 1418	APS	EPA 6010B	D
Selenium	ND	0.20	mg/L	070312 1028	070312 1418	APS	EPA 6010B	D

Microbac Laboratories, Inc., Baltimore Division

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Barbara Schroyer, Project Manager

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CERTIFICATE OF ANALYSIS

GenOn-Dickerson	Project: Coal Combustion By Products	Report: 12F1369
21200 Martinsburg Rd.	Project Number: Coal Combustion By Products	Reported: 07/18/2012 13:42
Dickerson, MD 20842	Project Manager: Pat Miglio	

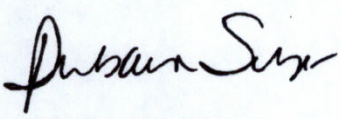
Bottom Ash

12F1369-02 (Solid) Sampled: 06/25/2012 12:00; Type: Not Specified

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Wet Chemistry								
% Solids	**74.52**	0.05	% by Weight	062812 1400	062912 1008	LCR	SM (20) 2540G	
General Chemistry								
Sulfur	**0.29**	0.050	% by Weight	070712 1158	070912 1320	BMC	ASTM D129-91	
Mercury, Total by EPA 7000 Series Methods								
Mercury	ND	0.032	mg/kg dry	070612 0911	070912 1441	APS	SW846 7471B	
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.3	mg/kg dry	070312 1415	070912 1831	PBK	EPA 6020	
Aluminum	**26000**	16	mg/kg dry	070312 1415	070512 1503	APS	EPA 6010B	
Arsenic	**4.6**	1.3	mg/kg dry	070312 1415	070912 1831	PBK	EPA 6020	
Barium	**270**	33	mg/kg dry	070312 1415	071012 1731	PBK	EPA 6020	
Beryllium	**2.0**	1.3	mg/kg dry	070312 1415	070912 1831	PBK	EPA 6020	
Calcium	**17000**	33	mg/kg dry	070312 1415	070512 1503	APS	EPA 6010B	
Cadmium	ND	1.3	mg/kg dry	070312 1415	070912 1831	PBK	EPA 6020	
Cobalt	**8.0**	1.3	mg/kg dry	070312 1415	070912 1831	PBK	EPA 6020	
Chromium	**22**	6.5	mg/kg dry	070312 1415	070912 1831	PBK	EPA 6020	
Copper	**29**	1.3	mg/kg dry	070312 1415	070912 1831	PBK	EPA 6020	
Iron	**62000**	13	mg/kg dry	070312 1415	070512 1503	APS	EPA 6010B	
Potassium	**1900**	33	mg/kg dry	070312 1415	070512 1503	APS	EPA 6010B	
Lithium	**28**	6.5	mg/kg dry	070312 1415	070512 1503	APS	EPA 6010B	
Magnesium	**2300**	33	mg/kg dry	070312 1415	070512 1503	APS	EPA 6010B	
Molybdenum	ND	6.5	mg/kg dry	070312 1415	070512 1503	APS	EPA 6010B	
Sodium	**1400**	330	mg/kg dry	070312 1415	070512 1503	APS	EPA 6010B	
Nickel	**22**	1.3	mg/kg dry	070312 1415	070912 1831	PBK	EPA 6020	
Lead	**5.7**	1.3	mg/kg dry	070312 1415	071012 1543	PBK	EPA 6020	
Antimony	ND	13	mg/kg dry	070312 1415	071112 1710	APS	EPA 6010B	

Microbac Laboratories, Inc., Baltimore Division



Barbara Schroyer, Project Manager

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CERTIFICATE OF ANALYSIS

GenOn-Dickerson	Project: Coal Combustion By Products	Report: 12F1369
21200 Martinsburg Rd.	Project Number: Coal Combustion By Products	Reported: 07/18/2012 13:42
Dickerson, MD 20842	Project Manager: Pat Miglio	

Bottom Ash

12F1369-02 (Solid) Sampled: 06/25/2012 12:00; Type: Not Specified

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Metals, Total by EPA 6000/7000 Series Methods								
Selenium	ND	6.5	mg/kg dry	070312 1415	070512 1503	APS	EPA 6010B	
Thallium	ND	1.3	mg/kg dry	070312 1415	071012 1543	PBK	EPA 6020	
Vanadium	**47**	6.5	mg/kg dry	070312 1415	071012 1543	PBK	EPA 6020	
Vanadium	ND	160	mg/kg dry	070312 1415	071012 1731	PBK	EPA 6020	
Zinc	**26**	13	mg/kg dry	070312 1415	070912 1831	PBK	EPA 6020	
TCLP Extraction by EPA 1311								
TCLP Extraction	**COMPLETED**		N/A	062912 1800	063012 1100	BMC	EPA 1311	
TCLP Metals by 6000/7000 Series Methods								
Silver	ND	0.20	mg/L	070312 1028	070312 1450	APS	EPA 6010B	D
Arsenic	ND	0.20	mg/L	070312 1028	070312 1450	APS	EPA 6010B	D
Barium	**0.66**	0.50	mg/L	070312 1028	070312 1450	APS	EPA 6010B	D
Cadmium	ND	0.20	mg/L	070312 1028	070312 1450	APS	EPA 6010B	D
Chromium	ND	0.20	mg/L	070312 1028	070312 1450	APS	EPA 6010B	D
Mercury	ND	0.0020	mg/L	070612 1104	070612 1830	APS	EPA 6020	D
Lead	ND	0.20	mg/L	070312 1028	070312 1450	APS	EPA 6010B	D
Selenium	ND	0.20	mg/L	070312 1028	070312 1450	APS	EPA 6010B	D

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CERTIFICATE OF ANALYSIS

GenOn-Dickerson	Project: Coal Combustion By Products	Report: 12F1369
21200 Martinsburg Rd.	Project Number: Coal Combustion By Products	Reported: 07/18/2012 13:42
Dickerson, MD 20842	Project Manager: Pat Miglio	

FGD WWTP Fines

12F1369-03 (Solid) Sampled: 06/25/2012 14:00; Type: Not Specified

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Wet Chemistry								
% Solids	**88.57**	0.05	% by Weight	062812 1400	062912 1009	LCR	SM (20) 2540G	
General Chemistry								
Sulfur	**1.5**	0.050	% by Weight	070712 1158	070912 1320	BMC	ASTM D129-91	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**2.4**	0.14	mg/kg dry	070612 0911	070912 1607	APS	SW846 7471B	
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	0.73	mg/kg dry	070312 1415	070912 1835	PBK	EPA 6020	
Aluminum	**4000**	9.1	mg/kg dry	070312 1415	070512 1507	APS	EPA 6010B	
Arsenic	**10**	0.73	mg/kg dry	070312 1415	070912 1835	PBK	EPA 6020	
Barium	**120**	18	mg/kg dry	070312 1415	071012 1735	PBK	EPA 6020	
Beryllium	ND	0.73	mg/kg dry	070312 1415	070912 1835	PBK	EPA 6020	
Calcium	**240000**	180	mg/kg dry	070312 1415	070512 1551	APS	EPA 6010B	
Cadmium	ND	0.73	mg/kg dry	070312 1415	070912 1835	PBK	EPA 6020	
Cobalt	**3.9**	0.73	mg/kg dry	070312 1415	070912 1835	PBK	EPA 6020	
Chromium	**31**	3.6	mg/kg dry	070312 1415	070912 1835	PBK	EPA 6020	
Copper	**30**	0.73	mg/kg dry	070312 1415	070912 1835	PBK	EPA 6020	
Iron	**18000**	73	mg/kg dry	070312 1415	070512 1551	APS	EPA 6010B	
Potassium	**2000**	18	mg/kg dry	070312 1415	070512 1507	APS	EPA 6010B	
Lithium	**9.2**	3.6	mg/kg dry	070312 1415	070512 1507	APS	EPA 6010B	
Magnesium	**5900**	180	mg/kg dry	070312 1415	070512 1551	APS	EPA 6010B	
Molybdenum	ND	3.6	mg/kg dry	070312 1415	070512 1507	APS	EPA 6010B	
Sodium	**720**	180	mg/kg dry	070312 1415	070512 1507	APS	EPA 6010B	
Nickel	**35**	0.73	mg/kg dry	070312 1415	070912 1835	PBK	EPA 6020	
Lead	**5.6**	0.73	mg/kg dry	070312 1415	071012 1547	PBK	EPA 6020	
Antimony	ND	7.3	mg/kg dry	070312 1415	070512 1507	APS	EPA 6010B	

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GenOn-Dickerson	Project: Coal Combustion By Products	Report: 12F1369
21200 Martinsburg Rd.	Project Number: Coal Combustion By Products	Reported: 07/18/2012 13:42
Dickerson, MD 20842	Project Manager: Pat Miglio	

FGD WWTP Fines

12F1369-03 (Solid) Sampled: 06/25/2012 14:00; Type: Not Specified

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Metals, Total by EPA 6000/7000 Series Methods								
Selenium	**72**	3.6	mg/kg dry	070312 1415	070512 1507	APS	EPA 6010B	
Thallium	ND	0.73	mg/kg dry	070312 1415	071012 1547	PBK	EPA 6020	
Vanadium	**15**	3.6	mg/kg dry	070312 1415	071012 1547	PBK	EPA 6020	
Vanadium	ND	91	mg/kg dry	070312 1415	071012 1735	PBK	EPA 6020	
Zinc	**170**	7.3	mg/kg dry	070312 1415	071012 1547	PBK	EPA 6020	
TCLP Extraction by EPA 1311								
TCLP Extraction	**COMPLETED**		N/A	062912 1800	063012 1100	BMC	EPA 1311	
TCLP Metals by 6000/7000 Series Methods								
Silver	ND	0.20	mg/L	070312 1028	070312 1454	APS	EPA 6010B	D
Arsenic	ND	0.20	mg/L	070312 1028	070312 1454	APS	EPA 6010B	D
Barium	ND	0.50	mg/L	070312 1028	070312 1454	APS	EPA 6010B	D
Cadmium	ND	0.20	mg/L	070312 1028	070312 1454	APS	EPA 6010B	D
Chromium	ND	0.20	mg/L	070312 1028	070312 1454	APS	EPA 6010B	D
Mercury	ND	0.0020	mg/L	070612 1104	070612 1839	APS	EPA 6020	D
Lead	ND	0.20	mg/L	070312 1028	070312 1454	APS	EPA 6010B	D
Selenium	**0.20**	0.20	mg/L	070312 1028	070312 1454	APS	EPA 6010B	D

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Barbara Schroyer, Project Manager

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GenOn-Dickerson	Project: Coal Combustion By Products	Report: 12F1369
21200 Martinsburg Rd.	Project Number: Coal Combustion By Products	Reported: 07/18/2012 13:42
Dickerson, MD 20842	Project Manager: Pat Miglio	

FGD Synthetic Gypsum

12F1369-04 (Solid) Sampled: 06/25/2012 14:00; Type: Not Specified

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Wet Chemistry								
% Solids	**79.52**	0.05	% by Weight	062812 1400	062912 1009	LCR	SM (20) 2540G	
General Chemistry								
Sulfur	**2.7**	0.050	% by Weight	070712 1158	070912 1320	BMC	ASTM D129-91	
Mercury, Total by EPA 7000 Series Methods								
Mercury	**0.090**	0.031	mg/kg dry	070612 0911	070912 1446	APS	SW846 7471B	
Metals, Total by EPA 6000/7000 Series Methods								
Silver	ND	1.1	mg/kg dry	070312 1415	070912 1855	PBK	EPA 6020	
Aluminum	**350**	14	mg/kg dry	070312 1415	070512 1511	APS	EPA 6010B	
Arsenic	ND	1.1	mg/kg dry	070312 1415	070912 1855	PBK	EPA 6020	
Barium	**30**	1.1	mg/kg dry	070312 1415	071012 1607	PBK	EPA 6020	
Beryllium	ND	1.1	mg/kg dry	070312 1415	070912 1855	PBK	EPA 6020	
Calcium	**290000**	280	mg/kg dry	070312 1415	070512 1555	APS	EPA 6010B	
Cadmium	ND	1.1	mg/kg dry	070312 1415	070912 1855	PBK	EPA 6020	
Cobalt	ND	1.1	mg/kg dry	070312 1415	070912 1855	PBK	EPA 6020	
Chromium	ND	5.5	mg/kg dry	070312 1415	070912 1855	PBK	EPA 6020	
Copper	ND	1.1	mg/kg dry	070312 1415	070912 1855	PBK	EPA 6020	
Iron	**720**	110	mg/kg dry	070312 1415	070512 1555	APS	EPA 6010B	
Potassium	**190**	28	mg/kg dry	070312 1415	070512 1511	APS	EPA 6010B	
Lithium	ND	5.5	mg/kg dry	070312 1415	070512 1511	APS	EPA 6010B	
Magnesium	**900**	280	mg/kg dry	070312 1415	070512 1555	APS	EPA 6010B	
Molybdenum	ND	5.5	mg/kg dry	070312 1415	070512 1511	APS	EPA 6010B	
Sodium	ND	280	mg/kg dry	070312 1415	070512 1511	APS	EPA 6010B	
Nickel	**12**	1.1	mg/kg dry	070312 1415	070912 1855	PBK	EPA 6020	
Lead	ND	1.1	mg/kg dry	070312 1415	071012 1607	PBK	EPA 6020	
Antimony	ND	11	mg/kg dry	070312 1415	070512 1511	APS	EPA 6010B	
Selenium	ND	5.5	mg/kg dry	070312 1415	070512 1511	APS	EPA 6010B	

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CERTIFICATE OF ANALYSIS

GenOn-Dickerson 21200 Martinsburg Rd. Dickerson, MD 20842	Project: Coal Combustion By Products Project Number: Coal Combustion By Products Project Manager: Pat Miglio	Report: 12F1369 Reported: 07/18/2012 13:42

FGD Synthetic Gypsum

12F1369-04 (Solid) Sampled: 06/25/2012 14:00; Type: Not Specified

Microbac Laboratories, Inc., Baltimore Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Metals, Total by EPA 6000/7000 Series Methods								
Thallium	ND	1.1	mg/kg dry	070312 1415	071012 1607	PBK	EPA 6020	
Vanadium	ND	5.5	mg/kg dry	070312 1415	071012 1607	PBK	EPA 6020	
Zinc	ND	11	mg/kg dry	070312 1415	070912 1855	PBK	EPA 6020	
TCLP Extraction by EPA 1311								
TCLP Extraction	**COMPLETED**		N/A	062912 1800	063012 1100	BMC	EPA 1311	
TCLP Metals by 6000/7000 Series Methods								
Silver	ND	0.20	mg/L	070312 1028	070312 1458	APS	EPA 6010B	D
Arsenic	ND	0.20	mg/L	070312 1028	070312 1458	APS	EPA 6010B	D
Barium	ND	0.50	mg/L	070312 1028	070312 1458	APS	EPA 6010B	D
Cadmium	ND	0.20	mg/L	070312 1028	070312 1458	APS	EPA 6010B	D
Chromium	ND	0.20	mg/L	070312 1028	070312 1458	APS	EPA 6010B	D
Mercury	ND	0.0020	mg/L	070612 1104	070612 1841	APS	EPA 6020	D
Lead	ND	0.20	mg/L	070312 1028	070312 1458	APS	EPA 6010B	D
Selenium	ND	0.20	mg/L	070312 1028	070312 1458	APS	EPA 6010B	D

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21200 Martinsburg Rd.	Project Number: Coal Combustion By Products	Reported: 07/18/2012 13:42
Dickerson, MD 20842	Project Manager: Pat Miglio	

Project Requested Certification(s):

A2LA (Environmental)
State of Pennsylvania (NELAC)

Analyte Certification Exception Summary

Microbac Laboratories, Inc., Baltimore Division
Matrix: Solid

ASTM D129-91
Sulfur: No Certification

EPA 6010B
Arsenic: No Certification
Barium: No Certification
Cadmium: No Certification
Chromium: No Certification
Lead: No Certification
Selenium: No Certification
Silver: No Certification

EPA 6020
Mercury: No Certification

SM (20) 2540G
% Solids: No Certification

All analysis performed were analyzed under the required certification unless otherwise noted in the above summary.

Microbac Laboratories, Inc., Baltimore Division

Barbara Schroyer, Project Manager

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21200 Martinsburg Rd.	Project Number: Coal Combustion By Products	Reported: 07/18/2012 13:42
Dickerson, MD 20842	Project Manager: Pat Miglio	

Certification List

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

Code	Description	Certification Number	Expires
Microbac Laboratories, Inc., Baltimore Division			
A2LA1	A2LA (Biology)	410.02	04/30/2013
A2LA2	A2LA (Environmental)	410.01	04/30/2013
VA-B	Commonwealth of Virginia (NELAC) - Baltimore	460170-1829	06/14/2013
CPSC	CPSC Testing of Childrens Products and Jewelry	1115	04/30/2013
Pb	Environmental Lead (ELLAP)	410.01	04/30/2013
NJ	New Jersey	NLC120001	06/30/2013
MD	State of Maryland (Drinking Water)	109	06/30/2013
PA	State of Pennsylvania (NELAC)	68-00339	08/31/2012
USDA	US Department of Agriculture	P330-09-00021	02/19/2012
WV	West Virginia	054	08/31/2012
Microbac Laboratories, Inc., Richmond Division			
VA-R	Commonwealth of Virginia (NELAC) - Richmond	460022-1834	06/14/2013

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21200 Martinsburg Rd.	Project Number: Coal Combustion By Products	Reported: 07/18/2012 13:42
Dickerson, MD 20842	Project Manager: Pat Miglio	

Qualifiers/Notes and Definitions

General Definitions:

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Analysis Qualifiers/Notes:

Microbac Laboratories, Inc., Baltimore Division

D	Sample Diluted
B7	Target analyte detected in continuing calibration blank at or above reporting limit.
B1	Target analyte detected in method blank at or above reporting limit.

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Cooler Receipt Log

Cooler ID: Default Cooler **Cooler Temp:** 8.00 °C **Work Order:** 12F1369

Custody Seals Intact:	Yes	COC/Containers Agree:	Yes
Containers Intact:	Yes	Correct Preservation:	Yes
Received On Ice:	Yes	Correct Number of Containers Received:	Yes
Radiation Scan Acceptable:	Yes	Sufficient Sample Volume for Testing:	Yes
COC Present:	Yes	Samples Received in Proper Condition:	Yes

Comments:

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Chain of Custody Record

Work Order Number:

Page 1 of 1

Client Name: GenOn Energy Inc	Project: Annual CCB Analysis	Turnaround Time	QC and EDD Type (Required)
Address: 21200 Martinsburg Rd	Location: Dickerson Gen Sta	[X] Standard (7 Business Days)	[ ] Level I (NAC) / [ ] EDD
City, State, Zip: Dickerson, MD 20842	PO #	[ ] RUSH* Needed By:	[ ] Level II** / Format:
Contact: Andrew McCulloch	Compliance Monitoring? [X] Yes [ ] No	* Please notify lab prior to drop off.	[ ] Level III** / Comments:
Telephone #: 301 601 6520	(1)Agency/Program		[ ] Level IV**

Sampled by (PRINT): N. Galvin Sampler Signature: N Galvin Sampler Phone #: 301 601 6520

Send Report via [X] e-mail (address): on File [X] Mail [ ] Telephone [ ] Fax (fax #):

** Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

Client Sample ID	Matrix**	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analysis: TCLP metals *	Requested Analysis: Total metals *	Comments
Fly Ash	S	✓			6/25/12	1200	1	✓	✓	* see attached
Bottom Ash	S	✓			6/25/12	1200	1	✓	✓	
FGD WWTP Fines	S	✓			6/25/12	1400	1	✓	✓	
FGD Synthetic Gypsum	S	✓			6/25/12	1400	1	✓	✓	

12F1369

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive Sample Disposition [ ] Dispose as appropriate [ ] Return [ ] Archive

	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Number of Containers:	A McCall	A McCulloch	6/27/12 0930		
Cooler Number:	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation
Temp upon receipt(°C): 8.0			6/27/12 1157	S. Baptist	S. Baptist
Sample Received on Ice or Refrigerated from Client: Yes / No	Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received for Lab By (signature)	Printed Name/Affiliation
Radiation Scan Acceptable: Yes / No					

Page 15 of 15

501-7-11 ** Surcharge May Apply to add'l QC Packages** WHITE - ORIGINAL LAB YELLOW - RECEIPT

Page 1 of 4