MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard • Suite 605 • Baltimore, Maryland 21230-1719
410-537-3375 • 800-633-6101 x3375 • www.mde.state.md.us
Waste Management Administration • Solid Waste Program

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COMPLIANCE ENFORCEMENT

Coal Combustion Byproducts (CCB) Annual Generator Tonnage Report

Instructions for Calendar Year 2008

The following is general information relating to the requirement for reporting quantities of coal combustion byproducts that were managed in the State of Maryland during calendar year 2008. Please answer the questions on the form provided, attaching additional information and any requested supplemental information to the back of the form.

I. Background. This requirement that generators of coal combustion byproducts (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. In addition, for this first report, information concerning CCB activity during the past 5 years is required to be submitted, to the extent that this is known. 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. Coal combustion byproducts 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."*

B. Applicability. **If you or your company meet the definition of a generator of CCBs as defined above, you must provide the information as required below.** For the purposes of this

Facility Name: CENTRAL PLANT MSMU **CCB Tonnage Report – 2008**

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.

III. Required Information. The following information must be provided to the Department by March 1, 2009:

A. Contact information:

Facility Name: CENTRAL PLANT MSMU

Name of Permit Holder: MOUNT SAINT MARY'S UNIVERSITY, INC.

Facility Address: 16300 OLD Emmitsburg ROAD
Street

Facility Address: Emmitsburg MD. 21727
City State

County: FREDERICK

Contact Information (Person filing report or Environmental Manager)

Facility Telephone No.: 301-447-5377 Facility Fax No.: 301-447-5252

Contact Name: Philip B. VALENTINE

Contact Title: DIRECTOR Physical PLANT

Contact Address: 16300 OLD Emmitsburg ROAD
Street

Contact Address: Emmitsburg MD. 21727
City State Zip

Contact Email: PVALENTI@MSMARY.EDU

Contact Telephone No.: 301-447-3418 Contact Fax No.: 301-447-3419

For questions on how to complete this form, please call Mr. Tariq Masood, Head of the Office of Reports and Data Management, Solid Waste Program at 410-537-3326.

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

Coal fired Detroit underfed Stoker / 450HP Heeler Boiler (Water Tube). Low Sulfur bituminous coal, and no other fuel source.

C. In the first Annual Report you submit, the annual volume of coal combustion byproducts generated during the last 5 calendar years, including an identification of the different types of coal combustion byproducts generated and the volume of each type generated. (Please note that in subsequent years you need only provide the information in this paragraph for the last calendar year.) If the space provided is insufficient, please attach additional pages in a similar format:

Table I: Volume of CCBs Generated for Previous 5 Years:

Reporting Year	Volume of CCB Type: Ash	Volume of CCB Type: FLY ASH	Volume of CCB Type:
2008	154.4 TONS	1544 lbs	
2007	178.8 TONS	1788 LBS	
2006	134.2 TONS	1342 LBS	
2005	113.6 TONS	1136 lbs	
2004	144.7 TONS	1447 LBS	

Additional notes:

Ash and fines from stoker operation. Fly Ash to landfill

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D. Descriptions of any modeling or risk assessments, or both, conducted relating to the coal combustion byproducts 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 coal combustion byproducts. Please attach this information to the report.

F. In this first Annual Report you submit, a description of how you disposed of or used your coal combustion byproducts in the last 5 calendar years (Please note that in subsequent years you need only provide the information in this paragraph for the last calendar year), identifying:

(a) The types and volume of coal combustion byproducts disposed of or used (if different than described in Paragraph C above), the location of disposal, mine reclamation and use sites, and the type and volume of coal combustion byproducts disposed of or used at each site:

All ash used on site for Mount Saint Mary's University. Small amount used for cinders during winter months for anti-skid.

and (b) The different uses by type and volume of coal combustion byproducts:

If the space provided is insufficient, please attach additional pages in a similar format. . (Please note that in subsequent years you need only provide the information in Section F for the last calendar year).

Facility Name: CENTRAL PLANT MSMC **CCB Tonnage Report – 2008**

G. A description of how you intend to dispose of or use coal combustion byproducts in the next 5 years, identifying: On site unless notified otherwise.

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

On grounds/utility roads, (all ash)

and (b) The different intended uses by type and volume of coal combustion byproducts.

Road cover and anti-skid

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.		
Phil P Valentine Signature	Philip B. Valentine, Dir. Phy Plt 301-447-5377 Name, Title, & Telephone No. (Print or Type) pbvalenti@msmary.edu Your Email Address	4.13.09 Date

Report Number:
R09089-8001
Account Number:
25637

A&L EASTERN LABORATORIES, INC.

7621 Whitepine Road • Richmond, Virginia 23237-2214
Phone (804) 743-9401 • Fax (804) 271-6446
Website: www.al-labs-eastern.com • E-mail: office@al-labs-eastern.com

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PHYSICAL PLANT

TO: MOUNT SAINT MARY'S UNIVERSITY
16300 OLD EMMITSBURG RD
EMMITSBURG, MD 21727

FOR: COAL ASH

COPY: PHILLIP B VALENTINE

ATTN: PHILIP B VALENTINE

LAB NUMBER: 41971
SAMPLE ID: COAL ASH

REPORT OF ANALYSIS

DATE SAMPLED: 3/26/2009
DATE RECEIVED: 3/30/2009 1330
DATE REPORTED: 4/2/2009 PAGE: 1

PARAMETER	RESULT (%)	RESULT (mg/kg)	DETECTION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE	ANALYSIS TIME	METHOD
Solids, Total (As is)	98.60	986000	100	JM	03/30/09	16:00	SM 2540G
Nitrogen, Total Kjeldahl	0.12	1200	10	JM	03/31/09	16:00	SM 4500 (NorgB+NH3C)
Phosphorus	0.04	400	100	KM	04/01/09	16:00	SW 846-3051/6010B
Potassium	0.08	800	100	KM	04/01/09	16:00	SW 846-3051/6010B
Sulfur	0.25	2500	100	KM	04/01/09	16:00	SW 846-3051/6010B
Calcium	0.68	6800	100	KM	04/01/09	16:00	SW 846-3051/6010B
Magnesium	0.05	500	100	KM	04/01/09	16:00	SW 846-3051/6010B
Sodium	0.04	400	100	KM	04/01/09	16:00	SW 846-3051/6010B
Iron		16100	1	KM	04/01/09	16:00	SW 846-3051/6010B
Aluminum		6860	10	KM	04/01/09	16:00	SW 846-3051/6010B
Manganese		187	1	KM	04/01/09	16:00	SW 846-3051/6010B
Copper		26	1	KM	04/01/09	15:00	SW 846-3051/6010B
Zinc		142	1	KM	04/01/09	16:00	SW 846-3051/6010B
Nitrogen, Ammonia (as N)	0.00	0	10	JM	03/31/09	14:00	SM 4500(NH3B+NH3C)
Nitrogen, Organic (N)	0.12	1200	100	DCH			CALCULATION
Nitrogen, NO3+NO2		3	1	KS	04/01/09	15:00	SM 4500-NO3F
Cadmium		BDL*	1	KM	04/01/09	16:00	SW 846-3051/6010B
Chromium		165	5	KM	04/01/09	16:00	SW 846-3051/6010B

PCB RESULTS TO FOLLOW!!!

All values are on a dry weight basis except as noted. Detection Limit on all N series is on a wet basis. BDL* - Below Detection Limit

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Paul Chu
PAUL C. H. CHU

Report Number:
R09089-8001
Account Number:
25637

A&L EASTERN LABORATORIES, INC.

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TO: MOUNT SAINT MARY'S UNIVERSITY
16300 OLD EMMITSBURG RD
EMMITSBURG, MD 21727

FOR: COAL ASH

COPY: PHILLIP B VALENTINE

ATTN: PHILIP B VALENTINE

REPORT OF ANALYSIS

LAB NUMBER: 41971
SAMPLE ID: COAL ASH

DATE SAMPLED: 3/26/2009
DATE RECEIVED: 3/30/2009 1330
DATE REPORTED: 4/2/2009 PAGE: 2

PARAMETER	RESULT (%)	RESULT (mg/kg)	DETECTION LIMIT (mg/kg)	ANALYST	ANALYSIS DATE	ANALYSIS TIME	METHOD
Nickel		34	5	KM	04/01/09	16:00	SW 846-3051/6010B
Lead		BDL*	5	KM	04/01/09	16:00	SW 846-3051/6010B
Arsenic		10.4	1.0	KM	03/31/09	15:00	SW 846-6010B
Mercury		< 0.4	0.4	KM	03/31/09	15:00	SW 846-7471A
Selenium		< 1.0	1.0	KM	03/31/09	15:00	SW 846-6010B
pH (Std. Unit, As is)	12.30		0.01	RD	03/31/09	12:30	SW 846-9045D
Calcium Carbonate Equiv (CCE)	0.32	3200	100	JM	04/01/09	15:00	AOAC 955.01
Solids, Volatile(Organic Matter)	8.05	80500	100	JM	04/01/09	16:00	SM 2540G
Molybdenum		6	5	KM	04/01/09	16:00	SW 846-3051/6010B
Chloride		123	10	JM	04/01/09	15:50	SM 4500CL-D
Boron		64	1	KM	04/01/09	16:00	SW 846-3051/6010B

PCB RESULTS TO FOLLOW!!!

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Paul Chu
PAUL C. H. CHU