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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 DIVISION

Coal Combustion Byproducts (CCB) Annual Generator Tonnage Report

Instructions for Calendar Year 2010

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 2010. Please answer the questions on the form provided, attaching additional information and any requested supplemental information to the back of the form. Questions can be directed to the Solid Waste Program at (410) 537-3318 or via email at edexter@mde.state.md.us.

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. 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 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 SEPERATELY 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, 2009:

A. Contact information:

Facility Name: Allegany High School

Name of Permit Holder: N/A

Facility Address: 5616 Sedgwick Street
Street

Facility Address: Cumberland MD 21502
City State Zip

County: Allegany

Contact Information (Person filing report or Environmental Manager)

Facility Telephone No.: 301-777-8110 Facility Fax No.: 301-759-2534

Contact Name: William J. Marley III, P.E.

Contact Title: Supervisor of Maintenance and Construction

Contact Address: 211 Market Street
Street

Contact Address: Cumberland MD 21502
City State Zip

Contact Email: William.marleyiii@acps.k12.md.us

Contact Telephone No.: 301-759-2830 Contact Fax No.: 301-722-4305

For questions on how to complete this form, please call Edward Dexter, Solid Waste Program at 410-537-3318.

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:

Three (3) stoker coal boilers, firing bituminous coal, are used to supply hot water and steam for building heat.

C. The volume of coal combustion byproducts generated during 5 calendar 2101, including an identification of the different types of coal combustion byproducts generated and the volume of each type generated. If the space provided is insufficient, please attach additional pages in a similar format:

Table I: Volume of CCBs Generated for Calendar 2010:

Reporting Year	Volume of CCB Type: Bottom Ash (Tons)	Volume of CCB Type:	Volume of CCB Type:
2010	84.28		

Additional notes:

The amounts of CCBs generated by this facility were calculated using the quantities of coal used and the ash values from the corresponding coal analysis reports.

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. A description of how you disposed of or used your coal combustion byproducts in calendar 2010, 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:

The coal combustion byproducts (CCBs) generated by this facility are listed in Paragraph C., Table I.

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).

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

(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:

Based on the past seven calendar years of data, it is estimated that this facility will continue to generate approximately 86 tons of coal combustion byproducts (CCBs) each year that the coal fired boilers are in operation. The CCBs generated by this facility are classified as bottom ash.

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

Bottom Ash – Approximately 86 tons per year – Authorized Mine Disposal Site

Our permit for a waste stream at the Waste Management Mountain View Landfill was denied this year by MDE.

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	William J. Marley III, P.E. – Supervisor of Maintenance and Construction 301-759-2830 Name, Title, & Telephone No. (Print or Type) william.marleyiii@acps.k12.md.us Your Email Address	2/24/11 Date

SUMMIT TECHNICAL LABORATORIES
P.O.BOX 147
MEYERSDALE, PENNSYLVANIA 15552
(814)634-0485

COAL ANALYSIS REPORT

CLIENT: PINE MT.COAL

DESCRIPTION: AHS STOKER

SAMPLED BY: CLIENT SAMPLE DATE: 5-27-10

ANALYSIS DATE: 5-28-10 CODE: DS LAB NUMBER: L 728

	AS RECEIVED	DRY COAL
MOISTURE:	1.88	
ASH:	8.65	8.82
VOLATILE MATTER:	19.59	19.97
FIXED CARBON:	69.88	71.21
	100.00	100.00
SULFUR:	0.69	0.70
BTU:	13932	14199

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MAF: 15572

ASTM FREE SWELLING INDEX #: 9

LBS SULFUR/MILLION BTU: 0.50

OTHER: SCREEN - 2 X 1/4 = 96.9% 1/4 X 0 = 3.1%

OTHER:

James C. Rathman
LAB TECHNICIAN

GEOCHEMICAL TESTING
a division of Energy Center, Inc.

2005 N Center Ave
Somerset PA 15501

814/443-1671
814/445-6325
FAX: 814/445-6799

COAL ANALYSIS REPORT

Client: SUMMIT TECHNICAL LABS

Sampled by: PM

Sampling Date:

Analyzed on:

Description: Pine Mt. AHS Stoker #728

LAB NO. 98-C058945

Ash Fusion (Reducing Atmosphere)

	Initial D.	Softening T.	Hemi T.	Fluid T.
Temp o F	2800 +	2800 +	2800 +	2800 +

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Robert L. Stull
Director of Coal Services

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MEYERSDALE, PENNSYLVANIA 15552
(814)634-0485

COAL ANALYSIS REPORT

CLIENT: PINE MT.COAL

DESCRIPTION: #1 STOKER

SAMPLED BY: CLIENT SAMPLE DATE: 5-27-10

ANALYSIS DATE: 5-28-10 CODE: DS LAB NUMBER: L 729

	AS RECEIVED	DRY COAL
MOISTURE:	1.43	
ASH:	12.98	13.16
VOLATILE MATTER:	19.77	20.06
FIXED CARBON:	65.82	66.77
	100.00	100.00
SULFUR:	1.45	1.48
BTU:	13237	13429

MAF: 15465

ASTM FREE SWELLING INDEX #: 9

LBS SULFUR/MILLION BTU: 1.10

OTHER: SCREEN - 1 1/2 X 3/4 = 48.5% 3/4 X 1/2 = 32.5%

OTHER: 1/2 X 0 = 19.0%

LAB TECHNICIAN

GEOCHEMICAL TESTING
a division of Energy Center, Inc.

2005 N Center Ave
Somerset PA 15501

814/443-1671
814/445-6563
FAX: 814/445-0723

COAL ANALYSIS REPORT

Client: SUMMIT TECHNICAL LABS

Sampled by: PM

Sampling Date:

Analyzed on:

Description: Pine Mt. Stoker #1 #729

LAB NO. 98-C058946

Ash Fusion (Reducing Atmosphere)

	Initial D.	Softening T.	Hemi T.	Fluid T.
Temp o F	2500	2550	2580	2630

Robert L. Stull
Director of Coal Services

MEMBER ACIL

SUMMIT TECHNICAL LABORATORIES
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COAL ANALYSIS REPORT

CLIENT: PINE MT.COAL

DESCRIPTION: #2 STOKER

SAMPLED BY: CLIENT SAMPLE DATE: 5-27-10

ANALYSIS DATE: 5-28-10 CODE: OS LAB NUMBER: L 730

	AS RECEIVED	DRY COAL	
MOISTURE:	1.60		
ASH:	13.27	13.48	
VOLATILE MATTER:	20.00	20.33	
FIXED CARBON:	65.13	66.19	
	100.00	100.00	
SULFUR:	1.40	1.43	
BTU:	13232	13447	MAF: 15542

ASTM FREE SWELLING INDEX #: 9

LBS SULFUR/MILLION BTU: 1.06

OTHER: SCREEN - 2 X 1/2 = 91.0% 1/2 X 0 = 9.0%

OTHER:

LAB TECHNICIAN

GEOCHEMICAL TESTING
a division of Energy Center, Inc.

2005 N Center Ave
Somerset PA 15501

814/443-1571
814/[illegible]
FAX: 814/[illegible]

COAL ANALYSIS REPORT

Client: SUMMIT TECHNICAL LABS

Sampled by: PM

Sampling Date:

Analyzed on:

Description: Pine Mt. Stoker #2 #730

LAB NO. 98-C058947

Ash Fusion (Reducing Atmosphere)

	Initial D.	Softening T.	Hemi T.	Fluid T.
Temp o F	2580	2630	2680	2740

Robert L. Stull
Director of Coal Services

MEMBER ACIL