



Environment, Health & Safety

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Greensburg, PA 15601

**CERTIFIED MAIL**

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February 24, 2011

Mr. Edward M. Dexter  
Maryland Department of the Environment  
Land Management Administration  
Solid Waste Program  
1800 Washington Boulevard, Suite 605  
Baltimore, MD 21230-1719

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MAR - 1 2011

SOLID WASTE  
OPERATIONS DIVISION

**ALLEGHENY ENERGY SUPPLY COMPANY, LLC  
R. PAUL SMITH POWER STATION  
COAL COMBUSTION BYPRODUCTS  
ANNUAL GENERATOR TONNAGE REPORT 2010RY**

Enclosed is the Coal Combustion Byproducts Annual Generator Tonnage Report for calendar year 2010 for the R. Paul Smith Power Station located in Williamsport, MD.

Please note that samples of fly ash and bottom ash were collected in December, 2010 but at the time this report is being prepared, those analyses have not yet been completed. When they are completed, an addendum to this report containing the information will be submitted.

Should you have any questions or desire additional information, please contact me at 724-838-6066.

Sincerely,

A handwritten signature in cursive script that reads 'Jennifer Hazen McCloskey'.

Jennifer Hazen McCloskey, P. E.  
Environmental Engineer

Attachment

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**Coal Combustion Byproducts (CCB)  
Annual Generator Tonnage Report**

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REGISTRATION  
OPERATIONS DIVISION

**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](mailto: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

Facility Name: R. Paul Smith Power Station

**CCB Tonnage Report – 2010**

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: R. Paul Smith Power Station

Name of Permit Holder: Allegheny Energy Supply Company, LLC

Facility Address: 15952 Lockwood Road

Street

Facility Address: Williamsport  
City

MD

State

21795

Zip

County: Washington

Contact Information (Person filing report or Environmental Manager)

Facility Telephone No.: 301-582-5900

Facility Fax No.: 301-582-5909

Contact Name: Jennifer H. McCloskey

Contact Title: Environmental Engineer

Contact Address: 800 Cabin Hill Drive

Street

Contact Address: Greensburg  
City

PA

State

15601

Zip

Contact Email: jmcclos@alleghenyenergy.com

Contact Telephone No.: 724-838-6066

Contact Fax No.: 724-830-7711

*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:

The R. Paul Smith Power Station is a steam electric power generating facility which burns eastern bituminous coal in two boilers. Fly ash and bottom ash are generated as a result of this combustion process. The station uses No. 2 Fuel Oil during start up procedures. No other fuel is used.

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:	Volume of CCB Type:	Volume of CCB Type:
	Fly Ash	Bottom Ash	
2010	14,964 tons	3,741 tons	

Additional notes:

The volume of CCB's generated is determined by the known volume of coal burned, the ash content of the burned coal and the industry adopted distribution of 80% fly ash and 20% bottom ash.

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.

No such studies have been performed

E. Copies of all laboratory reports of all chemical characterizations of the coal combustion byproducts. Please attach this information to the report.

See Attached Analyses

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 fly ash and bottom ash generated at R. Paul Smith Power Station are sluiced via a pipeline across the Potomac River, crossing into West Virginia and into one of two storage lagoons. Only one lagoon is operational at a time with the out of service lagoon at capacity and passively dewatering. Once dewatered, the ash contained within the lagoon is excavated and placed in the adjacent dry landfill. The disposal facility consisting of the two lagoons and dry landfill is operated under Solid Waste/NPDES Permit No. WV0079316 issued by the West Virginia Department of Environmental Protection. No CCB's are disposed or used in the state of Maryland. During 2009, some previously disposed CCB's were excavated and transported to a concrete manufacturing facility located within West Virginia.

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

All CCB's are disposed as detailed in F.(a) above.

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: R. Paul Smith Power Station

**CCB Tonnage Report – 2010**

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:

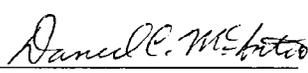
All future generated CCB's will be managed as detailed in F.(a).

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

All future generated CCB's will be managed as detailed in F.(a).

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	Allegheny Energy Service Corporation On behalf of Allegheny Energy Supply Company, LLC Daniel C. McIntire, Vice President Generation Operations Name, Title, & Telephone No. (Print or Type)  dmcint5@alleghenyenergy.com Your Email Address	<u>2/23/2011</u> Date