3395

Allegheny Energy

Environment, Health & Safety

800 Cabin Hill Drive
Greensburg, PA 15601
(724) 830-7711

Date: March 26, 2010

Please deliver immediately.

To: Ed Dexter

Location: MDE

From: Jennifer McCloskey

Location: Greensburg, PA

Number of pages to follow: 9

If you did not receive pages properly, please contact me at 724-838-6066

Subject/Comments:

Attached please find the 2009 CCB tonnage report for the R. Paul Smith power station owned by Allegheny Energy Supply Company, LLC. I will submit this report in hard copy also. Please contact me if there are any questions.

Jenn

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

Coal Combustion Byproducts (CCB)
Annual Generator Tonnage Report

Instructions for Calendar Year 2009

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 2009. 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. 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

Facility Name: R. Paul Smith Power Station

CCB Tonnage Report – 2009

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, 2010:

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 MD 21795
City State 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 PA 15601
City State 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 Mr. Edward Dexter, Administrator, Solid Waste Program at 410-537-3318.

Facility Name: R. Paul Smith Power Station

CCB Tonnage Report – 2009

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 annual volume of coal combustion byproducts generated during the last calendar year, 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 Previous Calendar Year:

Reporting Year	Volume of CCB Type: Fly Ash	Volume of CCB Type: Bottom Ash	Volume of CCB Type:
2009	8,659 tons	2,165 tons	

Additional notes:

Facility Name: R. Paul Smith Power Station **CCB Tonnage Report – 2009**

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 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:

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 – 2009**

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	Name, Title, & Telephone No. (Print or Type)	Date
Daniel C. McIntire	Allegheny Energy Service Corporation On behalf of Allegheny Energy Supply Company, LLC Daniel C. McIntire, Vice President Generation Operations	3/24/2010
	dmcint5@alleghenyenergy.com Your Email Address	

AP Chemical Lab

Summary Report for a Completed Sample

Date: 05/12/09

Location:	R. P. SMITH STAT	Lab Number:	AG95905
Collection Date:	02 / 20 / 09	Project Number:	32100318
Collection Time:	16 : 50	Permit:	N/A
Date Received:	03 / 30 / 09	Flow 1000 GAL/D:	No Flow Reported
Sample Point:	018 FLY ASH	Collected By:	8610

Description, Abbreviation Test Method		Units Matrix Spike	Concentration	Quantity LBS/D	Analyst	Analysis Start Time	Analysis Start Date
Leachable Arsenic SW-846/1311	$TCLP	mg/l	0.46	N/A	PAC	16 : 42	04 / 07 / 09
Leachable Barium SW-846/1311	$TCLP	mg/l	<1.0	N/A	PAC	16 : 42	04 / 07 / 09
Leachable Cadmium SW-846/1311	$TCLP	mg/l	<0.050	N/A	PAC	16 : 42	04 / 07 / 09
Leachable Chromium SW-846/1311	$TCLP	mg/l	<0.050	N/A	PAC	16 : 42	04 / 07 / 09
Leachable Lead SW-846/1311	$TCLP	mg/l	<0.050	N/A	PAC	16 : 42	04 / 07 / 09
Leachable Selenium SW-846/1311	$TCLP	mg/l	0.91	N/A	PAC	16 : 42	04 / 07 / 09
Leachable Silver SW-846/1311	$TCLP	mg/l	<0.050	N/A	PAC	16 : 42	04 / 07 / 09

AP Chemical Lab

Summary Report for a Completed Sample

Date: 05/12/09

Location:	R. P. SMITH STAT	Lab Number:	AG95905
Collection Date:	02 / 20 / 09	Project Number:	32100318
Collection Time:	16 : 50	Permit:	N/A
Date Received:	03 / 30 / 09	Flow 1000 GAL/D:	No Flow Reported
Sample Point:	018 FLY ASH	Collected By:	8610

Description, Abbreviation Test Method		Units Matrix Spike	Concentration	Quantity LBS/D	Analyst	Analysis Start Time	Analysis Start Date
Leachable Mercury SW-846/1311	$TCLP	mg/l	.0016	N/A	PAC	16 : 42	04 / 07 / 09
pH, solid SW-846/1311	$TCLP	mg/l	3.96	N/A	PAC	16 : 42	04 / 07 / 09
Acidity Leachate D3987/305.1	ACDL	mg/L	20.0	N/A	PAC	16 : 42	04 / 07 / 09
Alkalinity, leachate D3987/310.1	ALKL	mg/l	< 1.00	N/A	PAC	16 : 42	04 / 07 / 09
TOC, leachate D3987/415.1	TOCL	mg/l	< 2.00	N/A	PAC	16 : 42	04 / 07 / 09

We certify the above results were determined using EPA approved methods referenced in 40 CFR, Part 136, as amended - establishing test procedures for analysis of possible pollutants. When the test concentration is less than the minimum detection limit, the limit value is used in mass quantity

Results Validated By: _____

^C : Chemical Lab, AP

AP Chemical Laboratory

N/A - Not Applicable

COMMENT: all analyses performed by Pace Analytical

AP Chemical Lab

Summary Report for a Completed Sample

Date: 05/12/09

Location:	R. P. SMITH STAT	Lab Number:	AG95906
Collection Date:	02 / 20 / 09	Project Number:	32100319
Collection Time:	18 : 15	Permit:	N/A
Date Received:	03 / 30 / 09	Flow 1000 GAL/D:	No Flow Reported
Sample Point:	019 BOTTOM ASH	Collected By:	8610

Description, Abbreviation Test Method		Units Matrix Spike	Concentration	Quantity LBS/D	Analyst	Analysis Start Time	Analysis Start Date
Leachable Arsenic SW-846/1311	$TCLP	mg/l	<0.050	N/A	PAC	16 : 45	04 / 06 / 09
Leachable Barium SW-846/1311	$TCLP	mg/l	<1.0	N/A	PAC	16 : 45	04 / 06 / 09
Leachable Cadmium SW-846/1311	$TCLP	mg/l	<0.050	N/A	PAC	16 : 45	04 / 06 / 09
Leachable Chromium SW-846/1311	$TCLP	mg/l	<0.050	N/A	PAC	16 : 45	04 / 06 / 09
Leachable Lead SW-846/1311	$TCLP	mg/l	<0.050	N/A	PAC	16 : 45	04 / 06 / 09
Leachable Selenium SW-846/1311	$TCLP	mg/l	<0.10	N/A	PAC	16 : 45	04 / 06 / 09
Leachable Silver SW-846/1311	$TCLP	mg/l	<0.050	N/A	PAC	16 : 45	04 / 06 / 09

AP Chemical Lab

Summary Report for a Completed Sample

Date: 05/12/09

Location:	R. P. SMITH STAT	Lab Number:	AG95906
Collection Date:	02 / 20 / 09	Project Number:	32100319
Collection Time:	18 : 15	Permit:	N/A
Date Received:	03 / 30 / 09	Flow 1000 GAL/D:	No Flow Reported
Sample Point:	019 BOTTOM ASH	Collected By:	8610

Description, Abbreviation Test Method		Units Matrix Spike	Concentration	Quantity LBS/D	Analyst	Analysis Start Time	Analysis Start Date
Leachable Mercury SW-846/1311	$TCLP	mg/l	<0.001	N/A	PAC	16 : 45	04 / 06 / 09
pH, solid SW-846/1311	$TCLP	mg/l	7.08	N/A	PAC	16 : 45	04 / 06 / 09
TOC, leachate D3987/415.1	TOCL	mg/l	< 2.00	N/A	SO	16 : 45	05 / 08 / 09

We certify the above results were determined using EPA approved methods referenced in 40 CFR, Part 136, as amended - establishing test procedures for analysis of possible pollutants. When the test concentration is less than the minimum detection limit, the limit value is used in mass quantity

Results Validated By: _____

CC : Chemical Lab, AP

AP Chemical Laboratory

N/A - Not Applicable

COMMENT: all analyses performed by Pace Analytical