

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: **NewPage Corporation**
Luke Paper Company

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: NewPage Corporation - Luke Mill

Name of Permit Holder: Moran Coal Company, Inc.

Facility Address: 300 Pratt Street
Street

Facility Address: Luke MD 21540
City State Zip

County: Allegany

Contact Information (Person filing report or Environmental Manager)

Facility Telephone No.: (301) 359-3311 Facility Fax No.: (301) 359-2040

Contact Name: Larry A. Johnson

Contact Title: Environmental Engineer

Contact Address: 300 Pratt Street
Street

Contact Address: Luke MD 21540
City State Zip

Contact Email: laj9@newpagecorp.com

Contact Telephone No.: (301) 359-3311 ext. 3766 Contact Fax No.: (301) 359-2040

For questions on how to complete this form, please call Mr. Edward Dexter, Administrator, 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:

Approximately 1,200 tons of bituminous coal is delivered to the Luke Mill daily by three different coal suppliers. The coal is burned in two power boilers, #24 & #25, for the purpose of generating steam power, heat and electricity to the mill. The fly ash from the boilers are collected in our fabric filter baghouse and the bottom ash from both boilers is sent to our ash lagoon.

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:	Volume of CCB Type:	Volume of CCB Type:
	Fly Ash	Bottom Ash	
2009	1,712,760 cu.ft.	540,848 cu.ft.	

Additional notes:

Facility Name: **NewPage Corporation**
Luke Paper Company

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. **N/A**

E. Copies of all laboratory reports of all chemical characterizations of the coal combustion byproducts. Please attach this information to the report. **(See Attachment E)**

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:

All the CCB material generated from the Luke Mill Facility has been hauled away and disposed of in a mine reclamation site permitted by Moran Coal Company. This site was originally permitted in 2002 and has recently been renewed by the Garrett County Grading Permit Division (permit #2009-036). In addition, the disposal site has a Storm Water General Discharge Permit issued by the Maryland Department of the Environment (permit #02SW1421).

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

N/A

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:

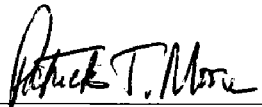
The future disposal of the CCB byproducts from the Luke Mill will continue to be disposed into the permitted mine reclamation facility operated by Moran Coal Company. The types of CCB material disposed of in this facility will include fly ash, at approximately 1,750,000 cu. ft. and bottom ash, at approximately 542,000 cu. ft.

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

None

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	Pat Moore Luke Mill Manager (301) 359-3311	2-24-10 Date
	Name, Title, & Telephone No. (Print or Type)	



JOHN W. STURM, PRESIDENT

COMPANY: NEW PAGE CORPORATION

DATE/TIME SAMPLED:* 12-30-09

SAMPLE ID: #24 FLY ASH

DATE/TIME RECEIVED: 01-08-10 1300

SAMPLED BY: LARRY JOHNSON

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

EPA HAZARDOUS WASTE NUMBER	CONTAMINANT	CONCENTRATION FOUND (mg/l)	MAXIMUM CONCENTRATION (mg/l)
D004	ARSENIC	.05	5.00
D005	BARIUM	.22	100.0
D006	CADMIUM	.09	1.0
D007	CHROMIUM	.07	5.0
D008	LEAD	<.02	5.0
D009	MERCURY	.0003	.2
D010	SELENIUM	.02	1.0
D011	SILVER	<.01	5.0

% SOLIDS: 100

SLURRY pH: 4.29

Final pH of Extract: 4.92

Extraction fluid used: 1

EXTRACTION PERFORMED BY: DB

*Client provided

 Compliant Non-compliant (see attached)

APPROVED



JOHN W. STURM, PRESIDENT

COMPANY: NEW PAGE CORPORATION

DATE/TIME SAMPLED:* 12-30-09

SAMPLE ID: #25 FLY ASH

DATE/TIME RECEIVED: 01-08-10 1300

SAMPLED BY: LARRY JOHNSON

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

EPA HAZARDOUS WASTE NUMBER	CONTAMINANT	CONCENTRATION FOUND (mg/l)	MAXIMUM CONCENTRATION (mg/l)
D004	ARSENIC	.03	5.00
D005	BARIUM	.49	100.0
D006	CADMIUM	<.01	1.0
D007	CHROMIUM	<.01	5.0
D008	LEAD	<.02	5.0
D009	MERCURY	<.0002	.2
D010	SELENIUM	.08	1.0
D011	SILVER	<.01	5.0

% SOLIDS: 100

SLURRY pH: 10.57

Final pH of Extract: 5.16

Extraction fluid used: 1

EXTRACTION PERFORMED BY: DB

*Client provided

 Compliant Non-compliant (see attached)

APPROVED



JOHN W. STURM, PRESIDENT

COMPANY: NEW PAGE CORPORATION

DATE/TIME SAMPLED:* 12-30-09

SAMPLE ID: BOTTOM ASH

DATE/TIME RECEIVED: 01-08-10 1300

SAMPLED BY: LARRY JOHNSON

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

EPA HAZARDOUS WASTE NUMBER	CONTAMINANT	CONCENTRATION FOUND (mg/l)	MAXIMUM CONCENTRATION (mg/l)
D004	ARSENIC	.06	5.00
D005	BARIUM	1.11	100.0
D006	CADMIUM	<.01	1.0
D007	CHROMIUM	.02	5.0
D008	LEAD	<.02	5.0
D009	MERCURY	<.0002	.2
D010	SELENIUM	.03	1.0
D011	SILVER	<.01	5.0

% SOLIDS: 100

SLURRY pH: 8.46

Final pH of Extract: 4.82

Extraction fluid used: 1

EXTRACTION PERFORMED BY: DB

*Client provided

 Compliant Non-compliant (see attached)

APPROVED



JOHN W. STURM, PRESIDENT

COMPANY: NEW PAGE CORPORATION

DATE/TIME SAMPLED:* 12-30-09

SAMPLE ID: COAL COMBUSTION BY-PRODUCTS
#24 FLY ASH

DATE/TIME RECEIVED: 01-08-10 1300

SAMPLED BY: L. JOHNSON

PARAMETER	RESULTS mg/kg	EPA METHOD	DETECTION LIMIT	DATE/TIME ANALYZED	ANALYST
As	45.4	3050B/7060A	.10	01-12-10 1003	RC
Cd	5.20	3050B/6010B	.50	01-12-10 1318	AD
Cr	84.0	3050B/6010B	5.00	01-12-10 1318	AD
Cu	115.	3050B/6010B	2.00	01-12-10 1318	AD
Pb	86.0	3050B/7421	.10	01-12-10 1017	RC
Hg	.45	7472 COLD VAPOR	.05	01-13-10 1630	RC
Mo	75.0	3050B/6010B	1.00	01-12-10 1318	AD
Se	6.50	3050B/7740	.06	01-12-10 1243	RC
Zn	553.	3050B/6010B	.50	01-12-10 1318	AD
Ba	576.	3050B/6010B	10.0	01-12-10 1318	AD
Al	33700.	3050B/6010B	.50	01-12-10 1318	AD
B	47.0	3050B/6010B	10.0	01-12-10 1318	AD
Li	57.0	3050B/6010B	10.0	01-12-10 1421	AD
Mn	125.	3050B/6010B	10.0	01-12-10 1318	AD
Ag	<1.00	3050B/6010B	10.0	01-12-10 1504	AD

* Client provided

 Compliant Non-Compliant

Approved



JOHN W. STURM, PRESIDENT

COMPANY: NEW PAGE CORPORATION

DATE/TIME SAMPLED:* 12-30-09

SAMPLE ID: COAL COMBUSTION BY-PRODUCTS
#25 FLY ASH

DATE/TIME RECEIVED: 01-08-10 1300

SAMPLED BY: L. JOHNSON

PARAMETER	RESULTS mg/kg	EPA METHOD	DETECTION LIMIT	DATE/TIME ANALYZED	ANALYST
As	6.4	3050B/7060A	.10	01-12-10 1003	RC
Cd	<.50	3050B/6010B	.50	01-12-10 1318	AD
Cr	8.00	3050B/6010B	5.00	01-12-10 1318	AD
Cu	15.0	3050B/6010B	2.00	01-12-10 1318	AD
Pb	9.20	3050B/7421	.10	01-12-10 1017	RC
Hg	.85	7472 COLD VAPOR	.05	01-13-10 1630	RC
Mo	6.00	3050B/6010B	1.00	01-12-10 1318	AD
Se	6.96	3050B/7740	.06	01-12-10 1243	RC
Zn	8.70	3050B/6010B	.50	01-12-10 1318	AD
Ba	190.	3050B/6010B	10.0	01-12-10 1318	AD
Al	5500.	3050B/6010B	.50	01-12-10 1318	AD
B	11.0	3050B/6010B	10.0	01-12-10 1318	AD
Li	21.0	3050B/6010B	10.0	01-12-10 1421	AD
Mn	53.0	3050B/6010B	10.0	01-12-10 1318	AD
Ag	<1.00	3050B/6010B	10.0	01-12-10 1504	AD

* Client provided

 Compliant Non-CompliantApproved 



JOHN W. STURM, PRESIDENT

COMPANY: NEW PAGE CORPORATION

DATE/TIME SAMPLED:* 12-30-09

SAMPLE ID: COAL COMBUSTION BY-PRODUCTS
BOTTOM ASH

DATE/TIME RECEIVED: 01-08-10 1300

SAMPLED BY: L. JOHNSON

PARAMETER	RESULTS mg/kg	EPA METHOD	DETECTION LIMIT	DATE/TIME ANALYZED	ANALYST
As	1.90	3050B/7060A	.10	01-12-10 1003	RC
Cd	<.50	3050B/6010B	.50	01-12-10 1318	AD
Cr	26.0	3050B/6010B	5.00	01-12-10 1318	AD
Cu	23.0	3050B/6010B	2.00	01-12-10 1318	AD
Pb	2.70	3050B/7421	.10	01-12-10 1017	RC
Hg	.03	7472 COLD VAPOR	.05	01-13-10 1630	RC
Mo	10.0	3050B/6010B	1.00	01-12-10 1318	AD
Se	1.20	3050B/7740	.06	01-12-10 1243	RC
Zn	10.6	3050B/6010B	.50	01-12-10 1318	AD
Ba	263.	3050B/6010B	10.0	01-12-10 1318	AD
Al	23800.	3050B/6010B	.50	01-12-10 1318	AD
B	10.0	3050B/6010B	10.0	01-12-10 1318	AD
Li	28.0	3050B/6010B	10.0	01-12-10 1421	AD
Mn	59.0	3050B/6010B	10.0	01-12-10 1318	AD
Ag	<1.00	3050B/6010B	10.0	01-12-10 1504	AD

* Client provided

 Compliant Non-Compliant

Approved