

**Coal Combustion Byproducts (CCB)  
Annual Generator Tonnage Report  
Instructions for Calendar Year 2011**

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 2011. Please answer the questions on the form provided, attaching additional information and any requested supplemental information to the back of the form. Note that there were some changes to the form for this year, requiring both volume and weight of the CCBs produced. If you know one of these parameters but not the others, for example, you have the tonnage produced but not the volume, you may calculate the other parameter; however, please provide the calculations and assumptions that you used in your estimate. Questions can be directed to the Solid Waste Program at (410) 537-3315 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."*

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Facility Name: Lehigh CCB Tonnage Report - 2011

**B. Applicability.** If you or your company meets 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, 2012:

A. Contact information:

Facility Name: Lehigh Cement Company LLC

Name of Permit Holder: N/A

Facility Address: 675 Quaker Hill Road  
Street

Facility Address: Union Bridge, MD 21791  
City State Zip

County: Carroll

Contact Information (Person filing report or Environmental Manager)

Facility Telephone No.: 410-386-1229 Facility Fax No.: 410-386-1296

Contact Name: Kurt Deery, REM, CSEM, Environmental Engineer

Contact Title: \_\_\_\_\_

Contact Address: Same  
Street

Contact Address: \_\_\_\_\_  
City State Zip

Contact Email: kdeery@lehighcement.com

Contact Telephone No.: same Contact Fax No.: \_\_\_\_\_

*For questions on how to complete this form, please contact the Solid Waste Program at 410-537-3315*

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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:

Production of clinker that is ground into cement. The kiln system uses flyash as a raw material. Generated fly ashg by utilizing coal as a fuel is incorporated into the clinker and not disposed of in anyway.

C. The volume and weight of coal combustion byproducts generated during calendar year 2011, 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. If converting from volume to weight or weight to volume, please provide your calculations and assumptions.

**Table I: Volume and Weight of CCBs Generated for Calendar Year 2011:** Please note the change to this table from previous years, to include both the volume and weight of the types of CCBs your facility produces.

<b>Volume and Weight of CCBs Generated for Calendar Year 2011</b>			
SEE ATTACHED SHEET.			
Type of CCB	Type of CCB	Type of CCB	Type of CCB
Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards
Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons

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**CCB Tonnage Report – 2011**

Additional notes:

N/A

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 year 2011, identifying:

(a) The types and volume of coal combustion byproducts disposed of or used (if different than described in Paragraph C above) including any coal combustion byproducts stored during the previous calendar year, 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:

Fly ash used in the cement making process.

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

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If the space provided is insufficient, please attach additional pages in a similar format.

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:

Flyash from coal fired power plants & bottom ash.

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Use as a raw material in clinker production @ cement

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kiln.

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

see attached.

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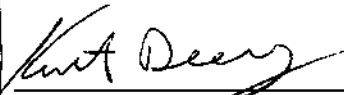
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If the space provided is insufficient, please attach additional pages in a similar format.

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**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	KURT W. DEERY ENVIRON. ENGR 410 386 1229 Name, Title, & Telephone No. (Print or Type)	1/20/2012 Date
	KDeery@Lehighement.com Your Email Address	

**V: Attachments (please list):**

See ATTACHED

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# **LEHIGH**

**HEIDELBERGCEMENT Group**

**Ash Delivered to Union Bridge Cement Plant located at 674 Quaker Hill Road for year 2011**

	<b>short Tons</b>	<b>Volume (Ft<sup>3</sup>)</b>
Constellation Energy - Baltimore, MD	71641	3184044.44
Genon - Morgantown & Aquasco, MD	39512	1756088.89
Allegheny Energy - R Paul Smith - Williamsport, MD	25140	1117333.33
PSE&G - Hudson Station - Jersey City, NJ	33149	1473288.89
PSE&G - Mercer Station - Trenton, NJ	7791	346266.67
PSE&G - Bridgeport, CT	2564	113955.56
Boral Materials - Chesapeake, VA	2765	122888.89
PPL - York Haven, PA	52894	2350844.44
PPL - Washingtonville, PA	18527	823422.22
NRG - Dover, DE	4516	200711.11
Glatfelter - Spring Grove, PA	5417	240755.56
Ox Paper Company - West Virginia	1002	44533.33
	<b>264,918.00</b>	<b>11,774,133.33</b>

**Note:**

**Fly Ash Bulk density = 45 lbs/cu. Ft as measured by Lehigh on-site laboratory.**

(Tons \* 2000 lbs/ton) / lbs/cu ft = cu ft of ash.

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