

Lehigh Cement Company

675 Quaker Hill Road
Union Bridge, MD 21791
Phone (410) 386-1210
Fax (410) 386-1296

Table 1: Fly Ash Totals

Fly Ash Supplier	Supplier Location	Total Short Tons Delivered to Lehigh	Cubic Feet of Material*	Yards of Material
Constellation	Baltimore, MD	38,653.00	1,717,911	63,626
PSE&G	Jersey City, NJ	2,966.00	131,822	4,882
PSE&G	Mercer, NJ	3,204.00	142,400	5,274
PSE&G	Bridgeport	187.00	8,311	308
NRG	Dover, DE	2,216.00	98,489	3,648
PP&L	York Haven	37,575.00	1,670,000	61,852
PP&L	Washingtonville, PA	30,491.00	1,355,156	50,191
Gen ON	Morgantown, WV	1,676.00	74,489	2,759
Duke Energy	Belews Creek	6,681.00	296,933	10,998
Fly Ash Direct	Longview	5,903.00	262,356	9,717
STI / PP&L	York Haven	48.00	2,133	79
Total		129,600.00	5,760,000	213,333.33

*Note: Fly ash = 45 lbs/cu. Ft as measured by Lehigh Lab

Table 2: Bottom Ash Totals

Bottom Ash Supplier	Supplier Location	Total Short Tons Delivered to Lehigh	Cubic Feet of Material*	Yards of Material
Constellation	Baltimore, MD	16,714.00	477,543	17,687
PH Gladfelter	Springrove, PA	16,730.00	478,000	17,704
BMI	Fairless Hills, PA	67.00	1,914	71
First Energy	R Paul Smith, Hagerstown, MD	122,547.00	3,501,343	129,679
RFI	Ox Paper, WV	1,312.00	37,486	1,388
RFI	Rocket	511.00	14,600	541
UGI	Senew	495.00	14,143	524
Total		158,376.00	4,525,029	167,593.65

*Note: Bottom Ash = 70 lbs/cu. Ft as measured by lehigh Lab

Total short tons of CCBs used Year 2012 = 287,976.00

Total Yards of CCBs used Year 2012 = 380,927.0

Calculations

(Tons * 2000 lb/ton / lbs/cu ft) = cubic feet of material

Cubic Feet of material * (1 yard/ 3ft)³ = yards of material

**Coal Combustion Byproducts (CCB)
Annual Generator Tonnage Report
Instructions for Calendar Year 2012**

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 2012. Please answer the questions on the form provided, attaching additional information and any requested supplemental information to the back of the form. Note that the form for this year requires 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.

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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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, 2013:

A. Contact information:

Facility Name: Lehigh Cement Co. LLC

Name of Permit Holder: Same

Facility Address: 675 Quaker Hill Road, Union Bridge, MD 21791
Street

Facility Address: _____
City State Zip

County: Carroll

Contact Information (Person filing report or Environmental Manager)

Facility Telephone No.: 410-386-1210 Facility Fax No.: 410-386-1296

Contact Name: Kurt W. Deery

Contact Title: Environmental Engineer

Contact Address: Same
Street

Contact Address: _____
City State Zip

Contact Email: Kdeery@lehighcement.com

Contact Telephone No.: 410-386-1229 Contact Fax No.: Same

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:

Lehigh burns fossil fuel in a cement kiln. The kiln system produces cement clinker. The ash produced from fossil fuel combustion is incorporated into the clinker. Lehigh does not dispose of fly ash or CCB materials.

Lehigh consumes CCBs in the cement production process.

C. The volume and weight of coal combustion byproducts generated during calendar year 2012, 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 2012: 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.

Volume and Weight of CCBs Generated for Calendar Year 2012			
PLEASE SEE TABLES 1 and 12			
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 – 2012

Additional notes:

NA

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 2012, 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:

NA

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CCB Tonnage Report – 2012

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

Fly ash and bottom ash used in the production of cement clinker.

Estimated annual use of 300,000 short tons per year.

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:


Use in a cement kiln as a raw material to produce clinker.

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

Estimated annual use of 300,000 short tons.

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	Kurt W. Deery, REM, CSEM <hr/> Lehigh Cement Co. LLC 410-386-1229 675 Quaker Hill Rd, Union Bridge Name, Title, & Telephone No. (Print or Type)	1/30/2013 Date
	<hr/> KDEERY@LehighCement.com Your Email Address	

V: Attachments (please list):

- TABLE 1 and TABLE 2: ASH use/volumes
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