

Facility Name: Lehigh Cement Co. LLC

CCB Tonnage Report – 2019

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 SEPARATELY 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, 2018:

A. Contact information:

Facility Name: Lehigh Cement Company LLC

Name of Permit Holder: No Permit Required

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

Contact Name: Kurt Deery

Contact Title: Environmental Engineer

Contact Address: Same

Street

Contact Address: Same

City

State

Zip

Contact Email: Kurt.Deery@lehighhanson.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 CCBs, including the type of coal or other raw material that generates the CCBs. If the space provided is insufficient, please attach additional pages:

Lehigh generates coal ash by burning coal to fire the cement kiln. All coal ash is incorporated into the clinker produced inside of the kiln. The coal ash during production of clinker is converted to calcium silicates.

C. The volume and weight of CCBs generated during calendar year 2017, including an identification of the different types of CCBs 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 2019: Please note that this table includes both the volume and weight of the types of CCBs your facility produces.

Volume and Weight of CCBs Generated for Calendar Year 2019			
Coal Ash consumed in mfg process			
Type of CCB	Type of CCB	Type of CCB	Type of CCB
12,374,571			
Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards
291,280.0			
Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons

Additional notes:

Lehigh burned 217,746 short tons of coal with an ash content of approximately 29%. _____

D. Descriptions of any modeling or risk assessments, or both, conducted relating to the CCBs 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 CCBs. Please attach this information to the report.

F. A description of how you disposed of or used your CCBs in calendar year 2017, identifying:

(a) The types and volume of CCBs disposed of or used (if different than described in Paragraph C above) including any CCBs stored during the previous calendar year, the location of disposal, mine reclamation and use sites, and the type and volume of CCBs disposed of or used at each site:

 Lehigh utilizes fly ash and bottom ash along with synthetic gypsum in the clinker and cement manufacturing process. See Attachments. _____

**Attachment 1
Year 2019 CCB Reporting**

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	7,131.00	316,933	11,738
PSE&G	Bridgeport	0.00	0	0
PPL	York Haven, PA	4,933.00	219,244	8,120
Total		12,064.00	536,178	19,858.44

*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
First Energy	R Paul Smith, Hagerstown, MD	145,783.00	4,165,229	154,268
PPL	York Haven, Pa	142,426.00	4,069,314	150,715
Franklin	Luke, MD	65,719.00	1,877,686	69,544
Total		353,928.00	10,112,229	374,526.98

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

Table 3: Synthetic Gypsum

Gypsum Supplier	Supplier Location	Total Short Tons Delivered to Lehigh	Cubic Feet of Material*	Yards of Material
MERG	West Virginia	110,041.00	4,401,640	163,024
MERG	Dickerson, MD	1,944.00	77,760	2,880
RFI	Florence, PA	38,344.00	1,533,760	56,806
Raven Power	Baltimore, MD	6,199.00	247,960	9,184
PPL	Various Locals	29,946.00	1,197,840	44,364
Total		186,474.00	7,458,960	276,257.78

*Note: Synthetic Gypsum = 50 lbs/cu. Ft as measured by Lehigh Lab

Attachment 1

Total short tons of CCBs used Year 2019 = 448,455.00

Total Yards of CCBs used Year 2019 = 16,609.4

Calculations

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

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