MARYLAND DEPARTMENT OF THE ENVIRONMENT
Land and Materials Administration • Solid Waste Program
1800 Washington Boulevard • Suite 605 • Baltimore Maryland 21230-1719
410-537-3315 • 800-633-6101 x3315 • www.mde.maryland.gov

Coal Combustion Byproducts (CCBs)
Annual Generator Tonnage Report
Instructions for Calendar Year 2025

The following is general information relating to the requirement for reporting quantities of coal combustion byproducts (CCBs) that were managed in the State of Maryland during calendar year 2025. 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 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 andrew.grenzer@maryland.gov.

I. Background. This requirement that generators of 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 MDE 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. CCBs 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 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 MDE by March 1, 2026:

A. Contact information:

Facility Name: Heidelberg Materials US Cement LLC

Name of Permit Holder: Same

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.: _____

Contact Name: Kurt Deery, REM

Contact Title: Environmental Engineer

Contact Address: Same
Street

Contact Address: Same
City State Zip

Contact Email: Kurt.Deery@Heidelbergmaterials.com

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

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

Facility Name: Heidelberg Materials US Cement LLC **CCB Tonnage Report – 2025**

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:

Heidelberg Materials generates coal ash by burning coal to fire the cement kiln. Note that all coal ash is incorporated into the clinker produced inside of the cement kiln. The coal ash during production of clinker is converted to calcium silicates.

C. The volume and weight of CCBs generated during calendar year 2025, 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 2025: 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 2025			
Coal Ash consumed in mfg process from Heidelberg burning coal in cement kiln	Gypsum consumed in cement mfg.	Delivered Fly Ash consumed in mfg process	Delivered Ponded / bottom ash consumed in clinker production
Type of CCB	Type of CCB	Type of CCB	Type of CCB
7957.0	229,406.0	38,015.0	336,621.0
Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards
56,837.0	154,849	23,094.0	318,107.0
Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons

Additional notes:

Heidelberg Matgerials burned 218,602 short tons of coal in year 2025. The ash content was approximately 26%.

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 2025, 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:

Heidelberg Materials US Cement utilizes fly ash, ponded ash, bottom ash and synthetic gypsum in the clinker and cement manufacturing process. See attached.

and (b) The different uses by type and volume of CCBs:

Beneficial use of ponded and bottom ash along with synthetic gypsum within the clinker and cement manufacturing process.

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 CCBs in the next 5 years, identifying:

(a) The types and volume of CCBs intended to be disposed of or used, the location of intended disposal, mine reclamation and use sites, and the type and volume of CCBs intended to be disposed of or used at each site:

NA

and (b) The different intended uses by type and volume of CCBs.

See attached.

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 Deery, REM Environmental Engineer Name, Title, & Telephone No. (Print or Type) Kurt.Deery@Heidelbergmaterials.com Your Email Address	01/16/2026 Date

V: Attachments (please list):

Synthetic gypsum, ponded, bottom & fly ash Sources and volumes used in 2025

Attachment 1

Year 2025 CCB Reporting

Table 1: Fly Ash Totals

Fly Ash Suppplier	Supplier Location	Total Short Tons Delivered to Heidelberg Materials	Cubic Feet of Material*	Yards of Material
Raven Power	Baltimore, MD	9,433.00	419,244	15,528
RFI	Conemaugh	11,577.00	514,533	19,057
Talen	York Haven, PA	2,084.00	92,622	3,430
	Total	**23,094.00**	**1,026,400**	**38,014.81**

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

Table 2: Ponded Ash Totals

Bottom Ash Suppplier	Supplier Location	Total Short Tons Delivered to Heidelberg Materials	Cubic Feet of Material*	Yards of Material
Paul Blum	Dickerson	195,181.00	5,576,600	206,541
Pual Blum	West Virginia	0.00	0	0
PPL	York Haven	122,926.00	3,512,171	130,080
	Total	**318,107.00**	**9,088,771**	**336,621.16**

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

Table 3: Synthetic Gypsum

Gypsum Suppplier	Supplier Location	Total Short Tons Delivered to Heidelberg Materials	Cubic Feet of Material*	Yards of Material
MERG	Mount Storm-WV	77,255.00	3,090,200	114,452
MERG	Dickerson, MD	0.00	0	0
RFI	Conemaugh	43,261.00	1,730,440	64,090
PB Company	Morgantown	0.00	0	0
PPL (Talen York Haven)	Various Locals	34,333.00	1,373,320	50,864
	Total	**154,849.00**	**6,193,960**	**229,405.93**

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