

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 2018

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 2018. 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 ed.dexter@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 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. 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.”*

Facility Name: H.A. Wagner Generating Station

CCB Tonnage Report – 2018

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, 2019:

A. Contact information:

Facility Name: H.A. Wagner Generating Station

Name of Permit Holder: H.A. Wagner LLC

Facility Address: 3000 Brandon Shores Road

Street

Facility Address: Baltimore

MD

21226

City

State

Zip

County: Anne Arundel

Contact Information (Person filing report or Environmental Manager)

Facility Telephone No.: 410-787-6923 Facility Fax No.: 410-255-8671

Contact Name: Edwin Much

Contact Title: Regional Environmental Director

Contact Address: 1005 Brandon Shores Road, Suite 100

Street

Contact Address: Baltimore

MD

21226

City

State

Zip

Contact Email: edwin.much@talenergy.com

Contact Telephone No.: 410-787-5423 Contact Fax No.: 410-255-7608

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

Facility Name: H.A. Wagner Generating Station

CCB Tonnage Report – 2018

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:

H.A. Wagner Electric Generating Station has two coal-fired units which produce electricity for commercial sale. Ash is produced as a byproduct of coal combustion and hauled via truck for disposal or beneficial reuse.

C. The volume and weight of CCBs generated during calendar year 2018, 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 2018: 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 2018			
Fly Ash	Bottom Ash	Wastewater Fines	
Type of CCB	Type of CCB	Type of CCB	Type of CCB
55,276	2,299	1,462	
Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards
41,042.1	1,707.3	1,085.8	
Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons

Facility Name: H.A. Wagner Generating Station

CCB Tonnage Report – 2018

Additional notes:

Coal combustion byproducts (CCBs) are reported in dry tons. Cubic yards are calculated using a conversion factor of 1 ton equals 1.3468 cubic yards (CY).

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.

No modeling or risk assessments were completed during 2018.

E. Copies of all laboratory reports of all chemical characterizations of the CCBs. Please attach this information to the report.

No chemical characterizations of CCBs were performed during 2018.

F. A description of how you disposed of or used your CCBs in calendar year 2018, 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:

Fly Ash - Beneficial Reuse

194 tons (262 CY) of fly ash was delivered to Lehigh in Union Bridge, MD for use in cement manufacturing.

Fly Ash - Disposal

40,832 tons (54,992 CY) of fly ash was delivered to the Fort Armistead-Lot 15 Landfill in Baltimore, MD for landfilling.

16 tons (22 CY) of fly ash was delivered to King George Landfill in King George, VA for landfilling.

Bottom Ash - Disposal

1,707 tons (2,299 CY) of bottom ash was delivered to Fort Armistead-Lot 15 Landfill in Baltimore, MD for landfilling.

Wastewater Fines - Disposal

1,086 tons (1,462 CY) of wastewater fines was delivered to the Fort Armistead-Lot 15 Landfill in Baltimore, MD for landfilling.

Facility Name: H.A. Wagner Generating Station

CCB Tonnage Report – 2018

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

Fly Ash

194 tons (262 CY) of fly ash was used in cement manufacturing.

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:

Fly Ash

Raven Power projects that as much as 23,000 tons (30,976 CY) of fly ash will be generated each year for the next five years. Approximately 250 tons (337 CY) of fly ash will be beneficially used in cement/concrete products and the remaining 22,750 tons (30,640 CY) will be disposed of in the Fort Armistead Road-Lot 15 Landfill in Baltimore, MD.

Bottom Ash

Raven Power projects that approximately 1,000 tons (1,347 CY) of bottom ash will be generated each year for the next five years, and will be disposed of in the Fort Armistead-Lot15 Landfill in Baltimore, MD.

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

Fly Ash

Approximately 250 tons (337 CY) of fly ash each year will be beneficially used in cement/concrete products.

Bottom Ash

Approximately 0 tons (0 CY) of bottom ash each year will be beneficially used in cement/concrete products.

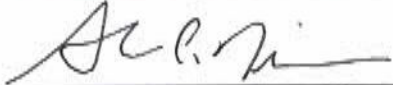

If the space provided is insufficient, please attach additional pages in a similar format.

Facility Name: H.A. Wagner Generating Station

CCB Tonnage Report – 2018

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.

		
<p>Signature</p> 	<p>Glenn P. Nilsen, Plant Manager, 410-787-6923</p> <p>Name, Title, & Telephone No. (Print or Type)</p> <p>glenn.nilsen@talenergy.com</p> <p>Your Email Address</p>	<p>02/28/2019</p> <p>Date</p>

V: Attachments (please list):

None