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 2017

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 2017. 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 Facility **CCB Tonnage Report – 2017**

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: H.A. Wagner Generating Facility

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.: 410-787-5188 Facility Fax No.: 410-787-5160

Contact Name: Brian Hoyt

Contact Title: Environmental Manager

Contact Address: 1005 Brandon Shores Rd., Suite 100
Street

Contact Address: Baltimore, MD 21225
City State Zip

Contact Email: brian.hoyt.ii@talenenergy.com

Contact Telephone No.: 410-787-6431 Contact Fax No.: 410-787-5160

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

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:

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

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 2017: 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 2017			
Fly Ash	Bottom Ash		
Type of CCB	Type of CCB	Type of CCB	Type of CCB
23,548 Volume of CCB, in Cubic Yards	3,107 Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards
17,485 Weight of CCB, in Tons	2,307 Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons

Additional notes:

Coal combustion byproducts ("CCB") are reported in dry tons. Cubic yards are calculated using a conversion factor of 1 ton = 1.3468 cubic yards.

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 2017.

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 conducted during 2017.

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:

Fly Ash - Beneficial Reuse

155 tons (209 CY) of fly ash was delivered to Lehigh in Union Bridge, MD for use in cement manufacturing.

Fly Ash – Disposal

17,310 tons (23,313 CY) of fly ash was delivered to the Fort Armistead Road – Lot 15 Landfill in Baltimore, MD for landfilling.

20 tons (26 CY) of fly ash was delivered to King George landfill in King George, VA for landfilling.

Bottom Ash - Disposal

2,307 tons (3,107 CY) of bottom ash was delivered to the Fort Armistead Road – Lot 15 Landfill in Baltimore, MD for landfilling.

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

Fly Ash

155 tons (209 CY) of fly ash was delivered to Lehigh in Union Bridge, MD for use 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

Talen projects that as much as 22,000 tons (29,630 CY) of fly ash will be generated each year for the next five years. Approximately 500 tons (674 CY) of fly ash will be beneficially used in cement and/or concrete products and the remaining 21,500 tons (28,956 CY) will be disposed of in the Fort Armistead Road - Lot 15 LLC landfill in Baltimore, MD.

Bottom Ash

Talen projects that approximately 3,000 tons (4,040 CY) of bottom ash will be generated each year for the next five years, and will be disposed of in the Fort Armistead Road - Lot 15 LLC landfill in Baltimore, MD.

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

Fly Ash

Approximately 500 tons (674 CY) of fly ash each year will be beneficially used in cement and/or concrete products.

Bottom Ash

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

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	Glenn Nilsen Authorized Representative 410-787-5017 6923 Name, Title, & Telephone No. (Print or Type) glenn.nilsen@talenenergy.com Your Email Address	3-1-18 Date

V: Attachments (please list):

None