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February 21, 2023

Mr. Edward Dexter
Program Administrator
Maryland Department of the Environment
Land Management and Materials Administration
Solid Waste Program
1800 Washington Boulevard, Suite 605
Baltimore, Maryland 21230-1719

Re: Calendar Year 2022 Coal Combustion Byproducts Annual Generator Tonnage Reports for
Brandon Shores and H.A. Wagner Electric Generating Stations

Dear Mr. Dexter:

Enclosed please find the 2022 Coal Combustion Byproducts (CCBs) Annual Generator Tonnage Reports for Raven Power's Brandon Shores and H.A. Wagner Generating Stations. These reports cover the period from January 1, 2022 to December 31, 2022 for the coal-fired units at these facilities and reflect CCBs production, beneficial reuse, and disposal.

For any questions regarding these reports, please contact me at 410-787-5423, or by email at edwin.much@talenergy.com.

Regards,

Edwin Much
Regional Environmental Director

Enclosures (2)



Facility Name: H.A. Wagner Generating Station **CCB Tonnage Report – 2022**

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, 2023:

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.: 410-787-9078 Facility Fax No.: 410-255-8671

Contact Name: Edwin Much

Contact Title: Regional Environmental Director

Contact Address: 3000 Brandon Shores Road
Street

Contact Address: Baltimore MD 21226
City State Zip

Contact Email: edwin.much@talenergy.com

Contact Telephone No.: 410-787-5423 Contact Fax No.: 410-255-8671

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 – 2022**

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 Generating Station has one coal-fired unit that produces electricity for commercial sale. A sorbent is added to the coal for pollutant reduction. Ash is produced as a byproduct of coal combustion and hauled by truck for disposal.

C. The volume and weight of CCBs generated during calendar year 2022, 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 2022: 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 2022			
Fly Ash	Bottom Ash	Wastewater Fines	—
Type of CCB	Type of CCB	Type of CCB	Type of CCB
10,691	253	217	—
Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards
7,938	188	161	—
Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons

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 2022.

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

No chemical characterization of CCBs were performed during 2022.

F. A description of how you disposed of or used your CCBs in calendar year 2022, 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 – Disposal

7,938 tons (10,691 CY) of fly ash was delivered to the Fort Armistead – Lot 15 Landfill in Baltimore, MD for landfilling.

Bottom Ash – Beneficial Reuse

188 tons (253 CY) of bottom ash was delivered to the Fort Armistead – Lot 15 Landfill in Baltimore, MD for drainage/protective layer above the liner.

Wastewater Fines – Disposal

161 tons (217 CY) of wastewater fines was delivered to the Fort Armistead – Lot 15 Landfill in Baltimore, MD for landfilling.

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

188 tons (253 CY) of bottom ash was used as drainage/protective layer above a landfill liner.

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:

H.A Wagner Generating Station will cease burning coal by 2025; therefore, the projections are limited to the next three years.

Fly Ash - Raven Power projects that as much as 5,000 tons (6,734 CY) of fly ash will be generated each year for the next three years, all of which will be disposed of in the Fort Armistead Road – Lot 15 Landfill in Baltimore, MD.

Bottom Ash - Raven Power projects that as much as 200 tons (269 CY) of bottom ash will be generated each year for the next three years, all of which will be beneficially used as drainage/protective layer above the liner in the Fort Armistead Road – Lot 15 Landfill in Baltimore, MD.


Wastewater Fines - Raven Power projects that as much as 100 tons (135 CY) of wastewater fines will be generated each year for the next three years, all of which will be disposed of in the Fort Armistead Road – Lot 15 Landfill in Baltimore, MD.

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

Bottom Ash – Approximately 200 tons (269 CY) of bottom ash will be beneficially used as drainage/protective layer above a landfill liner

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	<u>Eric Charitonuk</u> Assistant Plant Manager 410 787 9078 Name, Title, & Telephone No. (Print or Type) <u>eric.charitonuk@talenergy.com</u> Your Email Address	<u>2/21/2023</u> Date

V: Attachments (please list):

None.