TALEN ENERGY

Raven Power

February 26, 2021

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

Re: Calendar Year 2020 Coal Combustion Byproducts Annual Generator Tonnage Reports for Brandon Shores and H. A. Wagner Electric Generating Stations

Dear Mr. Dexter:

Enclosed please find the 2020 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, 2020 to December 31, 2020 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@talenenergy.com.

Regards,

Edwin Much

Digitally signed by Edwin Much
DN: cn=Edwin Much, o=Talen Energy, ou, email=edwin.much@talenenergy.com, c=US
Date: 2021.02.26 12:39:52 -05'00'

Edwin Much
Regional Environmental Director

Enclosures (2)

Facility Name: H.A. Wagner Generating Station **CCB Tonnage Report – 2020**

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, 2021:

SOLID WASTE
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PROGRAM

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 21409
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 21409
City State Zip

Contact Email: edwin.much@talenenergy.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

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. 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 2020, 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 2020: 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 2020			
Fly Ash	Bottom Ash	Waste Water Fines	
Type of CCB	Type of CCB	Type of CCB	Type of CCB
8,388	378	366	
Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards
6,228	281	272	
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 2020.

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 2020.

F. A description of how you disposed of or used your CCBs in calendar year 2020, 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
6,228 tons (8,388 CY) of fly ash was delivered to the Fort Armistead - Lot 15 Landfill in Baltimore, MD for landfilling.

Bottom Ash - Beneficial Reuse
281 tons (378 CY) of bottom ash was delivered to the Fort Armistead - Lot 15 Landfill in Baltimore, MD for drainage/protective layer above the liner.

Waste Water Fines - Disposal
272 tons (366 CY) of waste water 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:

Bottom Ash
281 tons (378 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:

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 five 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 250 tons (337 CY) of bottom ash will be generated each year for the next five 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.

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

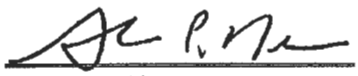
and (b) The different intended uses by type and volume of CCBs.

Bottom Ash - Approximately 250 tons (337 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.

Facility Name: H.A. Wagner Generating Station **CCB Tonnage Report – 2020**

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 P. Nilsen, Plant Manager, 410-787-6923 Name, Title, & Telephone No. (Print or Type) glenn.nilsen@talenenergy.com Your Email Address	3.1.21 Date

V: Attachments (please list):

None