



Annual Inspection Report for Existing CCR Surface Impoundment

Reference: 40 CFR Section 257.83, *Inspection Requirements for CCR Surface Impoundments*

Owner Information

Name of Dam: Bremono Power Station North Ash Pond Dam
Owner's Name: Virginia Electric and Power Company d.b.a. Dominion Energy
State ID #: DCR Inventory #065020
Owner Contact: W. Alan Leatherwood (434) 390-3256
Dam Location: Bremono Bluff, Virginia

Engineer Information

Name and Virginia License Number: Andrew North 053724
Firm Name: Golder Associates Inc.
Firm Address: 2108 W. Laburnum Ave, Suite 200, Richmond, VA 23227
Telephone No.: 804-358-7900

Certification Statement

I certify that the inspection of the above listed CCR surface impoundment was conducted in conformance with the requirements listed in 40 CFR 257.83, and with generally accepted good engineering practices.



Engineer seal, signature and date

As used herein, the word certify shall mean an expression of the Engineer's professional opinion to the best of his or her information, knowledge and belief, and does not constitute a warranty or guarantee by the Engineer



Was a review performed of available information regarding the status of the CCR unit, including files in the operating record?

Yes	No
X	

Was a visual inspection performed (i) to identify signs of stress or malfunction of the CCR unit and appurtenant structures, and (ii) of all hydraulic structures underlying the base or passing through the dike of the CCR unit for structural integrity and safe and reliable operation?

X	
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Identify any changes in the geometry of the impounding structure since the previous annual inspection.

None observed.

Verify the type, location, and condition of existing instrumentation (e.g. flow meter or staff gauge). Document the maximum recorded readings of each instrument since the previous annual inspection.

Vibrating Wire Piezometer PZG-11 and PZG-12 observed and in good condition. PZG-11 & PZG-12 max readings of 238.99 and 241.02, respectively, which are within acceptable ranges. A digital staff gauge in the perimeter channel was made operational in August 2020 and is monitored remotely. Water levels are taken on an hourly basis. Highest water level of 320.0 recorded on 11/12/2021.

List the minimum, maximum, and present depth and elevation of impounded water and CCR since the previous annual inspection.

Water level in pond:

Minimum Depth (ft) <input style="width: 50px;" type="text" value="0"/>	Maximum Depth (ft) <input style="width: 50px;" type="text" value="12.0"/>	Present Depth (ft) <input style="width: 50px;" type="text" value="2.0"/>
Minimum Elev. (Ft) <input style="width: 50px;" type="text" value="308.0"/>	Maximum Elev. (ft) <input style="width: 50px;" type="text" value="320.0"/>	Present Elev. (ft) <input style="width: 50px;" type="text" value="310.0"/>

CCR level in Pond:

Minimum Depth (ft) <input style="width: 50px;" type="text" value="86.0"/>	Maximum Depth (ft) <input style="width: 50px;" type="text" value="124.0"/>	Present Depth (ft) <input style="width: 50px;" type="text" value="Varies*"/>
Minimum Elev. (Ft) <input style="width: 50px;" type="text" value="308.0"/>	Maximum Elev. (ft) <input style="width: 50px;" type="text" value="386.0"/>	Present Elev. (ft) <input style="width: 50px;" type="text" value="Varies*"/>

*** CCR SURFACE TOPOGRAPHY VARIES BETWEEN MIN AND MAX ELEVATION**

Maximum Storage Capacity: Ac - Ft.

Present volume of the impounded water:	<input style="width: 50px;" type="text" value="0.30"/> Ac - Ft.
Present volume of the impounded CCR:	<input style="width: 50px;" type="text" value="3,100"/> Ac - Ft.
Present volume, total	<input style="width: 50px;" type="text" value="3,100"/> Ac - Ft.



Identify any appearances of an actual or potential structural weakness of the CCR unit or existing conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR unit and appurtenant structures.

None observed.

Identify any changes that may have affected the stability or operation of the impounding structure since the previous annual inspection.

None observed.

Additional comments

The Bremono North Ash Pond meets the definition of an existing surface impoundment under 40CFR 257.53 of the "Standards for the Disposal of Coal Combustion Residuals (CCR) in Landfills and Surface Impoundments". The North Ash Pond no longer receives CCRs. Engineering and site characterization work is ongoing to support the required closure by removal of CCR pursuant to § 10.1-1402.03 of the Code of Virginia. At the time of my visit the North Pond was under a temporary geomembrane cover.