

Date of Inspection: 6/25/2020

Facility: Bremo West Ash Pond

# **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: Bremo Power Station West Ash Pond Dam

Owner's Name: Virginia Electric and Power Company d.b.a Dominion Energy Virginia

State ID #: DCR Inventory #065011

Owner Contact: W. Alan Leatherwood (434) 390-3256

Dam Location: Bremo Bluff, Virginia

### **Engineer Information**

Name and Virginia License Number: Andrew North 053724

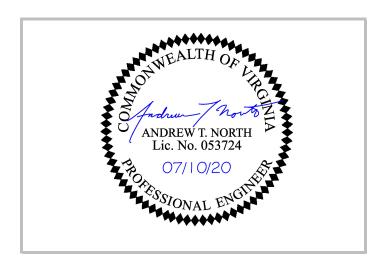
Firm Name: Golder Associates Inc.

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



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of the CCR unit, including files in the operating record?  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?  Identify any changes in the geometry of the impounding structure since the previous annual inspection.  Completion of soil placement and establishment of final design grades.  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.  No instrumentation.  Water levels are taken manually on an as-needed basis. Highest water level of 206.5 recorded in April 2020.  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) 0.0 Maximum Depth (ft) 6.5 Present Depth (ft) varies* Minimum Elev. (ft) 200.0 Maximum Elev. (ft) 206.5 Present Elev. (ft) 206.5  *NOTE: BOTTOM SURFACE TOPOGRAPHY VARIES IN ELEVATION ACROSS POND FOOTPRINT CCCR level in Pond:		Yes	No
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*NOTE: CCR REMOVED FROM POND AND OVEREXCAVATION COMPLETE AS OF JANUARY 2020	*NOTE: CCR REMOVED FROM POND AND OVEREXCAVATION COMPLETE AS OF	JANUARY 2	020

Maximum Storage Capacity: 342 Ac - Ft.

Present volume of the impounded water: Present volume of the impounded CCR:

Present volume, total

37.0 Ac - Ft.
- Ac - Ft.
37.0 Ac - Ft.



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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.

New discharge pumps have been installed, but are not operational, pending the installation of a treatment system.

#### Additional comments

The Bremo West Ash Pond meets the definition of an inactive surface impoundment under 40CFR 257.53 of the "Standards for the Disposal of Coal Combustion Residuals (CCR) in Landfills and Surface Impoundments". The West Ash Pond no longer receives CCRs, all CCR has been removed, 6-inch over excavation is complete, and at the time of my visit was functioning as an influent storage pond for station source waters.