GOLDER

Date of Inspection:	6/25/2020
Facility:	Bremo North Pond

Annual Inspection Report for Existing CCR Surface Impoundment

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

Owner Information

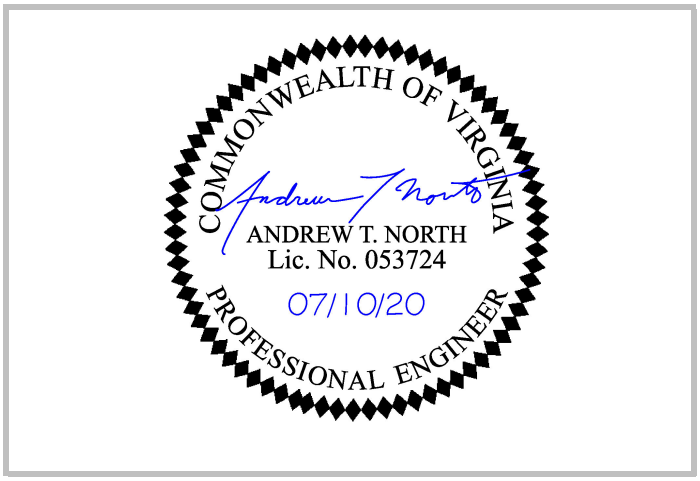
Name of Dam:	Bremo Power Station North Ash Pond Dam
Owner's Name:	Virginia Electric and Power Company d.b.a. Dominion Energy
State ID #:	DCR Inventory #065020
Owner Contact:	W. Alan Leatherwood (434) 390-3256
Dam Location:	Bremo Bluff, Virginia

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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	Yes	No
Was a review performed of available information regarding the status of the CCR unit, including files in the operating record?	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	

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

The Stability of Excavation (SOE) tieback wall has been removed from the downstream face of the dam and has been backfilled to 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.

Slope inclinometers INC-1 and INC-2 observed and in good condition. INC-1 and INC-2 max readings of 2.5 and 1.75 inches of deflection, respectively, which are within acceptable ranges. Vibrating Wire Piezometer PZG-11 and PZG-12 observed and in good condition. PZG-11 & PZG-12 max readings of 238.5 and 240.5, respectively, which are within acceptable ranges. See additional comments below.

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	Maximum Depth (ft)	10	Present Depth (ft)	2
Minimum Elev. (Ft)	308	Maximum Elev. (ft)	318	Present Elev. (ft)	310

CCR level in Pond:

Minimum Depth (ft)	86.0	Maximum Depth (ft)	124.0	Present Depth (ft)	Varies*
Minimum Elev. (Ft)	308.0	Maximum Elev. (ft)	386.0	Present Elev. (ft)	Varies*

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

Maximum Storage Capacity: 3,223 Ac - Ft.

Present volume of the impounded water:	0	Ac - Ft.
Present volume of the impounded CCR:	3,100	Ac - Ft.
Present volume, total	3,100	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.

Removal of the SOE tieback wall on the downstream face of the embankment has been completed. Dewatering at the former SOE location has been terminated. The primary outlet pipe has been plugged. The re-constructed toe-drain has been installed and appears to be functioning as anticipated.

Additional comments

The Bremo 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, and at the time of my visit was under a temporary geomembrane cover.

Piezometers and inclinometers on the NAP Embankment were installed to monitor the construction and removal of the SOE tieback wall. Construction, excavation, and backfill of the SOE is complete and therefore CCR Instrumentation Monitoring is no longer necessary for the safe and stable operations of the unit.