GOLDER

Date of Inspection:	5/21/2019
Facility:	Possum Point Pond D

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:	Possum Point Ash Dam D
Owner's Name:	Virginia Electric and Power Company d.b.a. Dominion Energy Virginia
State ID #:	DCR Inventory #153020
Owner Contact:	Jeff Marcell 703-441-3813
Dam Location:	Dumfries, Virginia

Engineer Information

Name and Virginia License Number:	Daniel McGrath 040703
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.

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.

Water level is measured by the site contractor approximately bi-weekly using portable survey equipment. Highest recorded elevation of 120.0 feet MSL on 5/21/19.
Outlet riser is closed - no outflow.
Five wells near the crest of the Pond D dam are monitored bi-weekly for water elevations.
W-1: 69.14 W-2: 51.01 W-3: 93.20 P-1: 53.07 P-2: 42.02. All wells in good condition.

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

Minimum Depth (ft)	68	Maximum Depth (ft)	101	Present Depth (ft)	varies
Minimum Elev. (Ft)	88	Maximum Elev. (ft)	141	Present Elev. (ft)	varies

Maximum Storage Capacity: 6,400 Ac - Ft.

Present volume of the impounded water:	724	Ac - Ft.	(@ El 120.0)
Present volume of the impounded CCR:	2,743	Ac - Ft.	
Present volume, total	3,467	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 - see "Additional Comments"

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

None observed.

Additional comments

Ash Pond D meets the definition of an existing CCR surface impoundment under 40CFR 257.53 of the "Standards for the Disposal of Coal Combustion Residuals (CCR) in Landfills and Surface Impoundments".

An approximate 6,500 square foot slough area on the upstream face was successfully repaired in the Fall of 2018.

Wet areas on the downstream face are monitored weekly. Two areas were repaired by installation of gravel and the third area is planned for earthworks construction in the Summer of 2019.