



**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: Dominion Energy Virginia d.b.a. Virginia Electric and Power Company

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

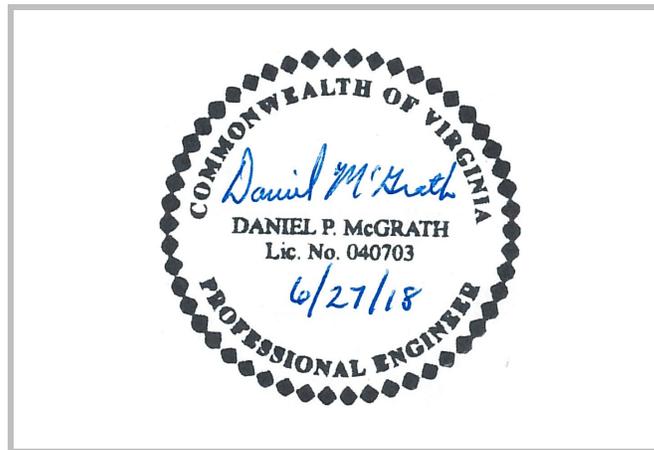
Firm Name: Golder Associates Inc.

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



Date of Inspection: 6/22/2018  
Facility: Possum Point Pond D

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.

Water level recorded by survey approximately bi-weekly. Highest recorded elevation of 106.41 feet MSL on 11/9/17. Outlet riser is closed - no outflow.

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:	303	Ac - Ft.	(@ El 105.40)
Present volume of the impounded CCR:	1,587	Ac - Ft.	
Present volume, total	1,890	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 - 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 area on the upstream face experienced a minor slough of the surface soils. Inspectors determined this area is not a structural failure and it is currently being evaluated for repairs during the summer of 2018.

Three areas of the downstream face were observed to be overly wet due to excessive site rainfall in May and June. These areas were inspected by engineering staff and will continue to be monitored during the weekly inspections and escalated for maintenance if necessary.