



Date of Inspection: 4/22/2024

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

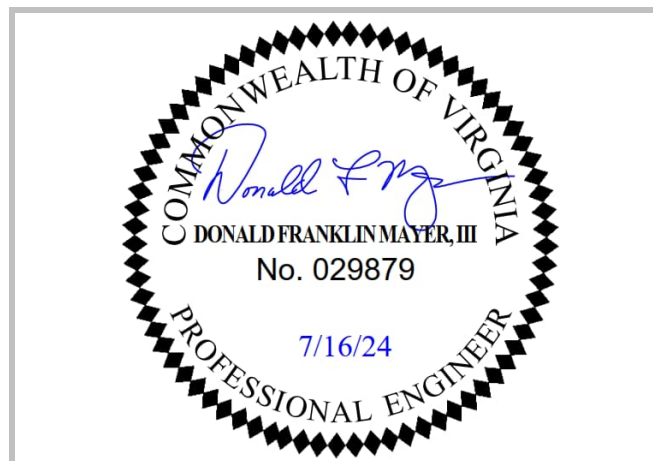
Name of Dam: Possum Point Ash Dam D  
Owner's Name: Virginia Electric and Power Company d.b.a. Dominion Energy Virginia  
State ID #: DCR Inventory #153020  
Owner Contact: Robert Carr (804) 573-5991  
Dam Location: Dumfries, Virginia

Engineer Information

Name and Virginia License Number: Donald Mayer 029879  
Firm Name: WSP USA Inc. (fka Golder Associates)  
Firm Address: 1100 Boulders Parkway, Suite 503, Richmond, VA 23225  
Telephone No.: 804-355-2067

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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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 |  |
|---|--|

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 levels are taken using portable survey equipment on a weekly basis. Highest water level of 121.8 recorded on 2/4/24.  
Five piezometers were installed in 2023. Maximum elevations were as follows: PZ-D1 61.3 on 1/10/24; PZ-D2 48.3 on 7/26/23; PZ-D3 99.57 on 6/29/23; PZ-D4 and PZ-D5 were dry during the reporting period. PZ-D4 and PZ-D5 were installed at the toe of slope (above the blanket drain) and are intended to remain dry unless there is an issue with the toe drain or an upper phreatic surface develops from heavy rain.

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) | 31.0  | Maximum Depth (ft) | 34.8  | Present Depth (ft) | 34.1  |
| Minimum Elev. (ft) | 118.0 | Maximum Elev. (ft) | 121.8 | Present Elev. (ft) | 121.1 |

CCR level in Pond:

|                    |      |                    |       |                    |         |
|--------------------|------|--------------------|-------|--------------------|---------|
| Minimum Depth (ft) | 68.0 | Maximum Depth (ft) | 101.0 | Present Depth (ft) | Varies* |
| Minimum Elev. (ft) | 88.0 | Maximum Elev. (ft) | 141.0 | Present Elev. (ft) | Varies* |

\* CCR SURFACE TOPOGRAPHY VARIES BETWEEN MIN AND MAX ELEVATION

Maximum Storage Capacity: 4,986 Ac - Ft.

|                                        |       |          |
|----------------------------------------|-------|----------|
| Present volume of the impounded water: | 767   | Ac - Ft. |
| Present volume of the impounded CCR:   | 2,743 | Ac - Ft. |
| Present volume, total                  | 3,510 | 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.

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". Pond D 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.