

Date of Inspection: 12/20/2017 Facility: Chesterfield Lower 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:	Chesterfield Power Station Lower Ash Pond Dam	
Owner's Name:	Dominion Energy d.b.a. Virginia Electric and Power Company	
State ID #:	DCR Inventory # 00823, VPDES # VA0004146	
Owner Contact:	Beverly Wood - Supervisor, Environmental	
Dam Location:	Chester, VA	

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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Was a review performed of available information regarding the status 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 appertenant 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.

Majority of free water has been removed. Soil fill placement continues in southeast corner in preparation for closure. Outlet 004 outlet pipe has been closed with a pipe plug.

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.

Weir flowmeter, not tied to elevation. Max flow 18.6 MGD.

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

Minimum Depth (ft) Minimum Elev. (Ft) 5 Maximum Depth (ft) 7 Maximum Elev. (ft) 15.2 Present Depth (ft) 17.2 Present Elev. (ft) Varies Varies

Maximum Storage Capacity:

1,779 Ac - Ft.

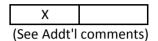
Present volume of the impounded water: Present volume of the impounded CCR: Present volume, total

22	Ac - Ft.
1,319	Ac - Ft.
1,341	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 appertenant structures.

None observed

Yes	No
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Identify any changes that may have affected the stability or operation of the impounding structure since the previous annual inspection.

Wet ash sluicing has ceased and the impoundment surface water is being removed.

Additional comments

A previously-unknown and out of service pipe through the embankment was discovered during recent dewatering activities. The discharge end is welded shut and Dominion is considering options for an internal inspection of this pipe. A well curtain has been installed on the southwestern embankment to provide additional berm slope stability during pond dewatering.