



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?

Yes	No
X	

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?

X	
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 (See Addt'l comments)

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)	<input type="text" value="5"/>	Maximum Depth (ft)	<input type="text" value="15.2"/>	Present Depth (ft)	<input type="text" value="Varies"/>
Minimum Elev. (Ft)	<input type="text" value="7"/>	Maximum Elev. (ft)	<input type="text" value="17.2"/>	Present Elev. (ft)	<input type="text" value="Varies"/>

Maximum Storage Capacity: Ac - Ft.

Present volume of the impounded water:	<input type="text" value="22"/>	Ac - Ft.
Present volume of the impounded CCR:	<input type="text" value="1,319"/>	Ac - Ft.
Present volume, total	<input type="text" value="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



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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.