

Date of Inspection: 6/19/2018 Facility: Chesterfield Upper 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 Dam
Owner's Name:	Dominion Energy d.b.a. Virginia Electric and Power Company
State ID #:	DCR Inventory # 041045, VPDES # VA0004146
Owner Contact:	Andrew DeVault, Environmental Compliance Coordinator
Dam Location:	Chester, VA

## **Engineer Information**

Name and Virginia Lic	ense 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

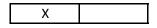
As used herein, the word certify shall mean an expression of the Engineer's professional opinion to the best of his or her information, knowledge and belief, and does not constitute a warranty or guarantee by the Engineer



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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 Х



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.

Active CCR placement has ceased and the top has been shaped to drain in anticipation of closure construction. Cover soil has been placed over all exposed CCR.

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 capacity 5.25 MGD

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

Water level in sediment pond

Minimum Elev. (Ft) 28.5 Maximum Elev. (ft) 35 Present Elev. (ft) 30	Minimum Depth (ft)	2.5	Maximum Depth (ft)	9	Present Depth (ft)	4
	Minimum Elev. (Ft)	28.5	Maximum Elev. (ft)	35	Present Elev. (ft)	30

CCR level

Minimum Depth (ft)	82.5
Minimum Elev. (Ft)	85

Maximum Depth (ft) 100.5 Maximum Elev. (ft) 103

Maximum Storage Capacity:

9,017 Ac - Ft.

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

20	Ac - Ft.
6,891	Ac - Ft.
6,911	Ac - Ft.

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Present Depth (ft)

Present Elev. (ft)

99.5

102



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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 appertenant 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

None.