



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 # 041031, VPDES # VA0004146
Owner Contact: Andrew DeVault - Environmental Compliance Coordinator
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



Date of Inspection: 6/19/2018

Facility: Chesterfield Lower Pond

| | Yes | No |
|--|-----|----|
| Was a review performed of available information regarding the status of the CCR unit, including files in the operating record? | 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 | |
|---|---|--|

(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. Main outlet structure has been permanently closed with concrete.

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.

Inclinometer INC-1: 0.04", Inclinometer INC-2: 0.38" Both instruments are located in the road between the sheet pile walls on the SW corner of the pond and are in good condition.

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

| | | | | | |
|--------------------|---|--------------------|------|--------------------|--------|
| Minimum Depth (ft) | 2 | Maximum Depth (ft) | 15.2 | Present Depth (ft) | Varies |
| Minimum Elev. (Ft) | 4 | Maximum Elev. (ft) | 17.2 | Present Elev. (ft) | Varies |

Maximum Storage Capacity: 1,779 Ac - Ft.

| | | |
|--|-------|----------|
| Present volume of the impounded water: | 44 | Ac - Ft. |
| Present volume of the impounded CCR: | 1,319 | Ac - Ft. |
| Present volume, total | 1,363 | 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



GOLDER

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Identify any changes that may have affected the stability or operation of the impounding structure since the previous annual inspection.

The impoundment is being dewatered in preparation for closure.

Additional comments

An old and out of service pipe through the embankment has been welded shut.

(Added 01/02/19) - Inclinoimeters used to monitor stability of the Lower Ash Pond during construction; added as instruments.