



Date of Inspection: 12/3/2024
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

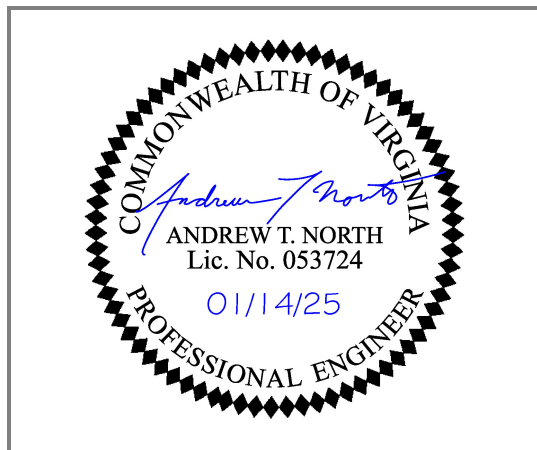
Name of Dam: Chesterfield Power Station Upper Ash Pond Dam
Owner's Name: Virginia Electric and Power Company d.b.a. Dominion Energy
State ID #: DCR Inventory # 041045, VPDES # VA0004146
Owner Contact: Kevin Bishoff - Construction Project Manager
Dam Location: Chester, VA

Engineer Information

Name and Virginia License Number: Andrew North 053724
Firm Name: Schnabel Engineering
Firm Address: 9800 JEB Stuart Parkway, Suite 100, Glen Allen, VA 23059
Telephone No.: 804-649-7035

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.

No changes to the impounding structure's geometry were observed, other than the ongoing CCR excavation in accordance with the UAP Closure Plan.

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.

| Instrumentation | | Location | Max. Reading* | |
|-----------------|-----------|---------------------|---------------|--------|
| Inclinometers | UAP-IN-01 | SW Embankment | -0.18 | inches |
| | UAP-IN-02 | SW Embankment | -0.19 | inches |
| | UAP-IN-03 | Southern Embankment | -0.13 | inches |
| | UAP-IN-04 | SE Embankment | 0.09 | inches |
| | UAP-IN-05 | NE Embankment | 0.04 | inches |
| | UAP-IN-06 | NW Embankment | 0.03 | inches |
| Piezometers | UAP-PZ-01 | SW Embankment | 3.14 | feet |
| | UAP-PZ-02 | SW Embankment | 1.90 | feet |
| | UAP-PZ-03 | Southern Embankment | 4.00 | feet |
| | UAP-PZ-04 | SE Embankment | 7.70 | feet |
| | UAP-PZ-05 | NE Embankment | 7.12 | feet |
| | UAP-PZ-06 | NW Embankment | 4.30 | feet |

Notes:

- All instrumentation was observed to be in good condition.
- The maximum reading of the inclinometers was recorded as the maximum displacement of the tilt sensor in any direction (+ or -) relative to the baseline measurement when the instrument was installed.
- The maximum reading of the piezometers was recorded as the hydraulic head above mean sea level (MSL).

* READINGS PROVIDED BY OTHERS



Date of Inspection:
 Facility:

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) | <input type="text" value="0.0"/> | Maximum Depth (ft) | <input type="text" value="5 +/-"/> | Present Depth (ft) | <input type="text" value="3.0"/> |
| Minimum Elev. (ft) | <input type="text" value="25.0"/> | Maximum Elev. (ft) | <input type="text" value="30.0"/> | Present Elev. (ft) | <input type="text" value="28.0"/> |

CCR level in Pond:

| | | | | | |
|--------------------|-----------------------------------|--------------------|-----------------------------------|--------------------|--------------------------------------|
| Minimum Depth (ft) | <input type="text" value="50.0"/> | Maximum Depth (ft) | <input type="text" value="90.0"/> | Present Depth (ft) | <input type="text" value="Varies*"/> |
| Minimum Elev. (ft) | <input type="text" value="40.0"/> | Maximum Elev. (ft) | <input type="text" value="80.0"/> | Present Elev. (ft) | <input type="text" value="Varies*"/> |

***CCR SURFACE TOPOGRAPHY VARIES BETWEEN MIN AND MAX ELEVATION ACROSS THE HORIZONTAL PROFILE OF THE SURFACE IMPOUNDMENT**

Maximum Storage Capacity: Ac-Ft.

| | |
|--|---|
| Present volume of the impounded water: | <input type="text" value="12"/> Ac - Ft. |
| Present volume of the impounded CCR: | <input type="text" value="6,665"/> Ac - Ft. |
| Present volume, total: | <input type="text" value="6,677"/> 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 appurtenant structures.

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

Additional comments