

Dominion Energy Virginia
North Anna Power Station
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United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

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Docket Nos. 50-338
50-339
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NPF-7

VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION ENERGY VIRGINIA)
NORTH ANNA POWER STATION UNITS 1 AND 2
ANNUAL ENVIRONMENTAL OPERATING REPORT

Enclosed is the Annual Environmental Operating Report for North Anna Power Station Units 1 and 2 for 2025, pursuant to Section 5.4.1 of the Technical Specifications, Appendix B – Environmental Protection Plan.

If you have any questions or require additional information, please contact Mr. Matthew A. Hayes at (540) 894-2100.

Very truly yours,

A handwritten signature in black ink, appearing to read "J. M. Jenkins", written over a horizontal line.

James Jenkins
Site Vice President

Enclosure

cc: Julio Lara - Region II
NRC Senior Resident Inspector North Anna Power Station

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION
UNITS 1 AND 2

APPENDIX B
ENVIRONMENTAL PROTECTION PLAN
2025 ANNUAL REPORT
DOCKET NOS. 50-338 AND 50-339

INTRODUCTION

This 2025, Environmental Operating Report for the North Anna Power Station is submitted by Virginia Electric and Power Company, as required under Section 5.4.1 of Appendix B, Environmental Protection Plan (EPP).

The objective of the EPP is to verify that the North Anna Power Station is operated in an environmentally acceptable manner, consistent with NRC and other federal, state, and local requirements as well as to keep the NRC informed of any environmental effects of facility construction or operation.

During 2025, there were no significant adverse environmental impacts that occurred as a result of the operation of North Anna Power Station, Units 1 and 2. Aquatic issues are addressed in the licensee's VPDES permit (number VA 0052451) issued by the Virginia State Water Control Board. The VPDES permitting program is administered by the Department of Environmental Quality and the NRC relies on this agency for regulation of matters involving water quality and aquatic biota.

Listed below are the summaries and analyses required by Subsection 4.2 of the EPP.

PLANT DESIGN AND OPERATION (SECTION 3.1)

A review of all changes in station design or operation, tests and experiments failed to reveal any potentially, significant, unreviewed, environmental issues.

EROSION CONTROL INSPECTION - SITE (SECTION 4.2.2.1)

Performance of Periodic Test Procedure, 1-PT-9.3, Erosion Control Inspection-Station Site, and 0-PT-75.12: Visual Inspection of the Service Water Reservoir Dike Crest and Toe, were completed by the Civil/Design Engineering Department. Four (4) areas of concern that needed corrective action were identified during the performance of 1-PT-9.3. There was one (1) area of concern identified during the performance of 0-PT-75.12.

The four (4) areas identified in 1-PT-9.3 were as follows:

Erosion was found located on the eastern slope of the "B" parking lot.

Erosion was found on the slope north of the HVAC shop.

Erosion due to drainage from a storm water drainpipe was found on a slope south of the SLR fabrication shop.

Erosion was found on a slope west of the main switchyard.

The one (1) issue that was identified during the performance of 0-PT-75.12 was as follows:

Vegetation was observed on the inner and outer slopes of the Service Water Reservoir that needed to be removed.

All issues identified were entered into the station's corrective action system and corrective action assignments have been assigned. There were no issues observed that adversely impacted site erosion control measures, storm water run-off, or station operation.

Gravel pad parking lot construction, north of the ISFSI area began in December 2025 and is ongoing. All work is being performed in accordance with a VAR-10 construction permit. Storm water controls were installed and are being maintained in accordance with the accompanying storm water pollution prevention plan (SWPPP). A review of the SWPPP inspections that have been performed during the construction project did not reveal any instances of non-compliance with the SWPPP.

EROSION AND SEDIMENT CONTROL PROGRAM - CORRIDOR RIGHTS-OF-WAY SECTION 4.2.2.2)

During 2025, all transmission line rights-of-way were patrolled to coordinate brush and tree work needed for maintenance of the lines. This work involved the following:

- North Anna-to-Gordonsville (Louisa-South Anna) corridor: A contract crew performed all brush and tree work for reliability as needed. Herbicide work was performed on 10/01/2025. No significant erosion was observed.
- North Anna-to-Morrisville corridor: The patrol revealed that there was no significant tree or brush work needed, and no significant erosion was observed.
- North Anna to Ladysmith corridor: A contract crew performed all brush and tree work for reliability as needed. Herbicide work was performed on 07/02/2025. No significant erosion was observed.
- North Anna to Midlothian corridor: The patrol revealed that there was no significant tree or brush work needed, and no significant erosion was observed.

During all of the above-noted patrols and follow-up observations, no abnormal erosion conditions were observed on any of the above corridors associated with transmission line construction, modification, maintenance activities or the use of herbicides during 2025.

NON-COMPLIANCE (SECTION 5.4.1)

There were no non-compliances with the Environmental Protection Plan during 2025.

NON-ROUTINE REPORTS (SECTION 5.4.2)

There were no reportable environmental events (REEs) in 2025 that required notification to the Va. DEQ and the NRC.