

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261
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United States Nuclear Regulatory Commission
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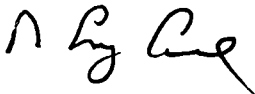
Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION)
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 2017, 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. Donald R. Taylor at (540) 894-2100.

Very truly yours,



N. Larry Lane
Site Vice President

Enclosure

cc: U. S. Nuclear Regulatory Commission
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NRC Senior Resident Inspector
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VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION
UNITS 1 AND 2

APPENDIX B

ENVIRONMENTAL PROTECTION PLAN

2017 ANNUAL REPORT

DOCKET NOS. 50-338 AND 50-339

INTRODUCTION

This 2017, 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 2017, no significant adverse environmental impacts 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 (DEQ) 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 Procedures, 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. Six (6) areas of concern were identified during the performance of 1-PT-9.3. Two (2) areas of concern were identified during the performance of 0-PT-75.12.

The areas identified in 1-PT-9.3 were minor erosion or storm water drainage issues. Two (2) of the areas identified were due animal burrows at the ISFSI area, and near the fabric tank area, which needed to be filled in. Two (2) of the areas identified were due to excess gravel, sedimentation, and vegetation build-up in

concrete drainage ditches near the ice house, fiber optic building, and discharge canal, that needed to be cleaned out. There was one (1) issue identified where there is improper draining of storm water run-off near Warehouse 5 and the BDB building, where additional ditching needs to be added. There was one (1) area identified where a culvert pipe, north of the switchyard, is covered with leaves and gravel, which needs to be cleaned out. One (1) of the areas identified during the performance of 0-PT-75.12 was animal burrows observed near the Service Water Reservoir, north of the horizontal drains gallery, which needed to be filled in. The other one (1) area was the southeast slope of the SW Reservoir which had small trees on it which needed to be removed.

All of the issues identified were entered into the station's corrective action system and work orders were assigned. Work orders for six of the eight issues have been completed. The remaining work orders that are still open are scheduled to be completed by the end of June 2018. All of the issues identified were minor erosion issues that did not adversely impact site erosion control measures, the quality of storm water discharges, or station operation.

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

During 2017, 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 corridor: The patrol revealed that there were some minor vegetation issues. Herbicide applications commenced on 10/02/17 and were completed on 10/04/17. No significant erosion and sedimentation issues were observed.
- North Anna-to-Morrisville corridor: The patrol did not reveal any vegetation issues that needed work. No significant erosion and sedimentation issues were observed.
- North Anna to Ladysmith corridor: The patrol did not reveal any vegetation issues that needed work. No significant erosion and sedimentation issues were observed.
- North Anna to Midlothian corridor: The patrol revealed that there were some minor vegetation issues. Herbicide applications commenced on 09/04/17 and were completed on

10/17/17. No significant erosion and sedimentation issues were 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 2017.

NON-COMPLIANCE (SECTION 5.4.1)

There were no non-compliances with the Environmental Protection Plan during 2017.

NON-ROUTINE REPORTS (SECTION 5.4.2)

There was one (1) non-routine report submitted in 2017. A 20 day follow-up letter was submitted to the VA DEQ on January 8th, 2017, regarding the 2H underground line leak event. This event was previously described in the 2016 EPP Report.