

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

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United States Nuclear Regulatory Commission
Attention: Document Control Desk
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Gentlemen:

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

Enclosed is the Annual Environmental Operating Report for North Anna Power Station Units 1 and 2 for 2007, 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 Page Kemp at (540) 894-2295.

Very truly yours,



Daniel G. Stoddard
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 (DOMINION)

NORTH ANNA POWER STATION

UNITS 1 AND 2

APPENDIX B

ENVIRONMENTAL PROTECTION PLAN

2007 ANNUAL REPORT

DOCKET NOS. 50-338 AND 50-339

INTRODUCTION

This 2007, 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 2007, no significant adverse environmental impact 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, by the Civil/Design Engineering Department identified five (5) areas of concern that needed corrective action. One area involved minor soil erosion which was subsequently corrected with the addition of a silt fence and re-seeding. One area involved an animal trail, which was filled-in. Another area involved a clogged culvert, which was subsequently unclogged. The two final areas involved eroded areas which were filled in with either gravel or concrete. All corrective actions have been completed and none of the areas of concern impacted station safety or operability.

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

During 2007, 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 was no significant tree or brush work needed, and no significant erosion was observed.
- North Anna-to-Morrisville corridor: A contract crew performed all brush and tree work for reliability as needed. A follow-up inspection was done as the work progressed. No significant erosion and sedimentation issues were observed.
- North Anna to Ladysmith corridor: The patrol revealed that there was no significant tree or brush work needed, and no significant erosion was observed.
- North Anna to Midlothian corridor: A contract crew performed all brush and tree work for reliability as needed. A follow-up inspection was done as the work progressed. 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 2007.

NON-COMPLIANCE (SECTION 5.4.1)

There were no non-compliances with the Environmental Protection Plan during 2007.

NON-ROUTINE REPORTS (SECTION 5.4.2)

On August 10, 2007, a permit exceedance letter was submitted to the Virginia Department of Environmental Quality (DEQ) due to exceeding the upper VPDES permit limits for Total Suspended Solids (TSS), pH and Oil and Grease for Outfall 013, on August 6, 2007. This was a result from an unusual discharge using the high capacity sump pumps for turbine building basement sump #2, while the oil/water separator was out of service for repair. Due to the proximity of the outfall to the circulating water intake structure, no adverse environmental impact to Lake Anna occurred. A Letter of Warning was issued by the DEQ on October 3, 2007, however, the station did not receive a Notice of Violation. The oil/ water separator was promptly repaired and placed back in service. No further discharges have occurred at Outfall 013. The new revision of the VPDES permit was issued to the station on October 29, 2007. The new permit allows sample data from the normal low capacity turbine building sump outfall (Outfall 104) which includes the oil/water separator discharge, to represent emergency discharges to Outfall 013, when the high capacity sump pumps have to be used. This allows us to obtain a more representative sample of the sump wastewater stream, from a continuously flowing outfall, then what could be obtained from an outfall that is normally not flowing, except during an emergency high capacity sump pump discharge.