

March 27, 2004

APPLICANT: Dominion Nuclear North Anna, LLC

FACILITY: North Anna Early Site Permit

SUBJECT: SUMMARY OF ENVIRONMENTAL SITE AUDIT TO SUPPORT REVIEW OF
THE NORTH ANNA EARLY SITE PERMIT APPLICATION

An environmental review team consisting of Nuclear Regulatory Commission (NRC) staff members and contractors from Pacific Northwest National Laboratory (PNNL) participated in an environmental site audit at the North Anna and Surry Power Station sites from December 8-12, 2003, to support the review of the North Anna early site permit (ESP) application. The primary goals of the site visit were to review documentation; gather information to ensure that environmental requirements of an ESP as codified in 10 CFR Part 51 are met; and to interface with officials in Federal, State, and local government permitting and resource agencies to obtain related information. Enclosure 1 is the list of participants. Enclosure 2 contains a table of documents provided to the staff by Dominion Nuclear North Anna, LLC (Dominion) to assist the staff in its review of the North Anna ESP environmental report. The table in Enclosure 2 also lists the Agencywide Documents Access and Management System (ADAMS) accession numbers of the documents. ADAMS is accessible at <http://www.nrc.gov/reading-rm/adams.html>, which provides access through the NRC's Public Electronic Reading Room (PERR) link. Persons who do not have access to ADAMS, or who encounter problems in accessing the documents located in ADAMS, should contact the NRC's PDR Reference staff at 1-800-397-4209, or 301-415-4737, or by e-mail at pdr@nrc.gov.

The entire team participated in a tour of the North Anna site and meetings with Dominion staff on Monday, December 8, 2003. The site tour focused on areas relevant to the environmental review, including the proposed location for any new units, the meteorological tower, the intake and discharge structures, the independent spent fuel storage installation, the Waste Heat Treatment Facility (WHTF), and the area around Lake Anna. During the remainder of the site audit, review team members met in smaller groups with Dominion representatives of corresponding environmental disciplines. These groups participated in various activities, including tours of the WHTF and transmission line corridors and a visit to the site's emergency response facilities. Review team members discussed the impacts of various issues including alternative sites, meteorology and offsite consequences, emergency planning, radiological impacts of construction and operations, hydrology, aquatic and terrestrial ecology, and the fuel cycle. Representatives from the Virginia Department of Environmental Quality and the Virginia Department of Conservation and Recreation participated in some of these activities.

In addition, during the site audit, review team members met offsite with staff representing Federal, State, and local government agencies and various local service agencies, including the Virginia Department of Historic Resources, and the directors for planning and for economic development in Louisa, Orange, and Spotsylvania Counties.

At the conclusion of the site visit, the NRC project manager and the contractor team leader participated in a wrap-up meeting with Dominion representatives. The staff indicated that the review was ongoing, and that any additional information sought to support the review would be formally requested as a request for additional information.

/RA/

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Docket No.: 52-008

Enclosures:

1. List of Attendees
2. Material to Support the Review of the Environmental Report

cc w/enclosures: See next page

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References Collected at the North Anna ESP Site Audit
December 8-12, 2003

	Reference Document	ADAMS Accession Number
1	Louis Berger letter to Tony Banks, Dominion, dated 12/4/03 regarding Field Inspection	ML040570380
2	E-mail to Ethel Eaton, Virginia Department of Historic Resources, from Tony Banks, Dominion, dated 12/5/03	ML040570383
3	Model and Inputs used to evaluate the lake and waste heat treatment facility cooling system	ML040580388
4	E-mails from John Odenkirk, Virginia Department of Game and Inland Fisheries	ML040570483
5	Virginia Department of Environmental Quality, 2002 303(d) Part 1A Impaired Waters Fact Sheets	ML040580063
6	Large Impoundment Investigations: Lake Anna, April 1, 2000 to March 31, 2001	ML040580067
7	Dominion Environmental Protection Manual, Chapter 13, Migratory Birds, Appendix 13-A-13-E	ML040580071
8	Salt Deposit Results from Bechtel Calculation No. 24830-ENV-004, "Cooling Tower Salt Deposition Estimates (SACTI Modeling Analysis)"	ML040570488
9	EPRI TR-103268 Proceedings: Avian Interactions with Utility Structures	ML040570489
10	Department of Conservation and Recreation, Rare Plant Inventory Reports- 1996	ML040580087
11	Department of Conservation and Recreation, Rare Plant Inventory Reports- 1997	ML040580099
12	Department of Conservation and Recreation, Rare Plant Inventory Reports- 1999	ML040580078
13	Dominion Plant Management Specifications, Chemical Control of Brush	ML040570496
14	West Security Gate Survey Map from Dominion Technical Procedure C-HP-1032.010, "Radiological Survey Records"	ML040570378
15	Technical Basis document for Tables S-3 and S-4 from 10 CFR Part 51, Created for U.S. Department Of Energy by INEEL	ML040580285
16	Commonwealth of Virginia, Department of Health 2001 Environmental Radiation Program 2001 Annual Report, Appendix III (page 54) North Anna Area Surveillance Program	ML040580056
17	North Anna Annual Radiological Effluent Release Report dated April 22, 2003 (ML031200011), Attachment 7 - Lower Limits of Detection for Effluent Sample Analysis (01/02-12/02), Gaseous Effluents	ML040580059

	Reference Document	ADAMS Accession Number
18	North Anna Annual Radiological Environmental Monitoring Report dated April 28, 2003 (ML031270691), Figure 1, North Anna Site-Radiological Monitoring Locations	ML040580062