September 10, 2002

LICENSEE: Dominion Virginia Electric Power Company

FACILITIES: North Anna, Units 1 and 2, and Surry, Units 1 and 2

SUBJECT: SUMMARY OF AUGUST 20 AND 22, 2002, TELECOMMUNICATION WITH DOMINION VIRGINIA ELECTRIC AND POWER COMPANY

On August 20 and 22, 2002, the U.S. Nuclear Regulatory Commission (NRC) staff (the staff) held a conference call with representatives of Dominion Virginia Electric and Power Company (Dominion) to discuss information relating the staff's review of the North Anna and Surry license renewal applications. A list of participants is enclosed. The information discussed, the applicant's responses, and the follow-up actions are provided below.

During the conference call on August 20, 2002, the staff requested that Dominion provide neutron fluence data for all beltline materials. In addition, the staff requested two Topical Reports by B&W Owners' Group, BAW-2192P and BAW-2178P, and a Surry-specific report, BAW-2323, for independent verification of Dominion's Upper-Shelf Energy (USE) evaluation at the end of license renewal period. The NRC staff also asked Dominion to verify that the ENDF/B-VI cross sections were used in the Dominion reactor vessel fluence methodology in accordance with Regulatory Guide (RG) 1.190, "Calculational and Dosimetry Methods for Determining Pressure Vessel Neutron Fluence."

On August 22, 2002, in response to the staff's requests, via electronic mail, Dominion provided three reports: BAW-2178P, "Low Upper-shelf Toughness Fracture Mechanics Analysis of Reactor Vessels RVWG for Level C & D Service Loads"; BAW-2192P-Revision 1, "Low Upper-shelf Toughness Fracture Mechanics Analysis of Reactor Vessels RVWG for Level A & B Conditions"; and BAW-2323, "Low Upper-shelf Toughness Fracture Mechanics Analysis of Reactor Vessels of Surry Units 1 and 2 for Extended Life Through 48 Effective Full Power Years." Both of the B&W Owners' Group reports (BAW-2178P and BAW-2192P-Revision 1) contain proprietary information and were previously transmitted to the staff. Dominion also provided its updated neutron fluence data for all beltline materials and verified that the reactor vessel fluence methodology used the ENDF/B-VI cross sections, in accordance with RG 1.190. This electronic correspondence (except for the B&W Owners' Group reports, which are proprietary) is available in the NRC's Agencywide Documents Access and Management System (ADAMS) under accession number ML022390113.

On August 22, 2002, the NRC staff and Dominion held a follow-up conference call to discuss and clarify the information that Dominion had provided earlier on that day. Dominion confirmed that the reactor vessel fluence calculational methodology was benchmarked using a combination of Virginia Power surveillance capsules, pressure vessel simulator measurements, and Surry, Unit 1, ex-vessel cavity dosimetry measurements. Dominion was asked to provide a copy of their November 1999 evaluation of Surry reactor vessel materials surveillance data, as additional support for the review of capsule surveillance data. A copy of this evaluation (dated November 19, 1999) was received by electronic mail on August 23, 2002. The electronic mail received from Dominion is available in ADAMS under accession number ML022400102.

This telecommunication summary has been shared and reviewed by Dominion.

/***RA***/

Omid Tabatabai, Project Manager
License Renewal Section
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Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket Nos. 50-338, 50-339, 50-280, and 50-281

Enclosure: As stated

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Telephone Conference Call between the U.S. NRC and
Dominion Virginia Electric Power Company (VEPCO)
August 20 and 22, 2002

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Barry Elliot	NRC/NRR/DE
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George Georgiev	NRC/NRR/DE
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John Harrell	VEPCO
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Enclosure

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