

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

December 18, 2015

10 CFR 50.90

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Serial No. 15-245B
NLOS/DEA R0
Docket No.: 50-338
License No.: NPF-4

VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION)
NORTH ANNA POWER STATION UNIT 1
CLARIFICATION PERTAINING TO SUBMITTALS 15-245 AND 15-245A
AS DISCUSSED IN NOVEMBER 30, 2015 TELECONFERENCE

This letter formally documents an email communication sent to Mr. V. Sreenivas (NRC) from Ms. Diane Aitken (Dominion) on November 30, 2015. The purpose of the email was to provide clarification on two items pertaining to Dominion's submittals dated May 19, 2015 (Serial No. 15-245) and September 9, 2015 (Serial No. 15-245A) that were discussed during a November 14, 2015 conversation. The technical content of the email to Mr. Sreenivas is provided below:

Item #1 related to (Serial No. 15-245)

Alternative Clarification

Dominion is requesting an alternative to the system leakage test requirements of IWB-5222(b). Specifically, Request N1-I4-SPT-006 described in Dominion letter dated May 19, 2015 (Serial No. 15-245) is asking for exemption from the requirements of IWB-5222(b) for the subject piping between 1-CH-HCV-1311 and 1-CH-328 because there is no installed design ability to verify the pressure in the line or purposely open the HCV to pressurize the line without creating the possibility of an unnecessary plant transient and a thermal shock transient in the spray piping and spray nozzle. The normal Class 1 pressure test walkdowns for leakage performed each refueling outage is sufficient to identify leakage from the line.

ADD
NRC

Item #2

RAI 7 from (Serial No. 15-245A)

Will there be any retained pressure in the pipe during the VT-2 Examinations? If so, provide the retained pressure values in the pipe and what will be in the pipe (i.e., RCS coolant or air?)

Dominion Clarified Response

The subject piping segment between 1-CH-HCV-1311 and 1-CH-328 is assumed to be pressurized to RCS pressure due to minor valve leakage through the Auxiliary Spray check valve (1-CH-328). 1-CH-328 is a 3" swing check valve located downstream of 1-CH-HCV-1311. This type of valve is subject to minor seat leakage due to imperfections in the seating surface, worn hinge pin bushings, and disc distortions during operation. A review of the inspection and work order history for 1-CH-328 revealed evidence of seat leakage. Although minor, this seat leakage would eventually allow the upstream piping to reach RCS pressure of 2235 psig. However, since no connection is available for mounting temporary instrumentation, pressure in the upstream piping segment has not been validated.

Should you have any questions in regard to this submittal, please contact Ms. Diane E. Aitken at (804) 273-2694.

Sincerely,



Mark D. Sartain
Vice President – Nuclear Engineering

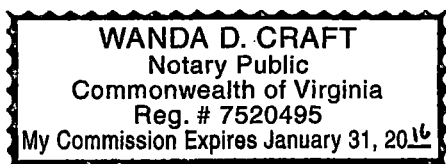
COMMONWEALTH OF VIRGINIA)
)
COUNTY OF HENRICO)

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by Mark D. Sartain, who is Vice President – Nuclear Engineering of Virginia Electric and Power Company. He has affirmed before me that he is duly authorized to execute and file the foregoing document in behalf of that Company, and that the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 18th day of December, 2015.

My Commission Expires: January 31, 2016

Wanda D. Craft
Notary Public



Commitments made in this letter: No new regulatory commitments.

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