

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

October 5, 2012

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

Serial No. 12-622
NAPS/JHL R0
Docket Nos. 50-338
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License Nos. NPF-4
NPF-7

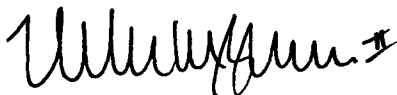
VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION)
NORTH ANNA POWER STATION UNITS 1 AND 2
ANNUAL SUBMITTAL OF TECHNICAL SPECIFICATION BASES CHANGES
PURSUANT TO TECHNICAL SPECIFICATION 5.5.13.d

Pursuant to Technical Specifications 5.5.13.d, "Technical Specifications (TS) Bases Control Program," Dominion hereby submits the changes to the Bases of the Technical Specifications implemented during the period of October 1, 2011 through September 30, 2012. A summary of these changes is provided in Attachment 1. Enclosed is an electronic copy (CD) of the entire TS Bases through Revision 48 for your information.

TS Bases changes that were submitted to the NRC for information along with the associated License Amendment Request transmittals, submitted pursuant to 10CFR50.90, were reviewed and approved by the Facility Safety Review Committee. These changes have been implemented with the respective License Amendments. A summary of these changes is provided in Attachment 1.

If you have any questions regarding this submittal, please contact Mr. Page Kemp at (540) 894-2295.

Sincerely,



R. M. Garver
Director, Nuclear Safety and Licensing

Attachment

Enclosure – CD of Current TS Bases (Revision 48)

Commitments made in this letter: None

A001
HLL

cc: U.S. Nuclear Regulatory Commission
Region II
Marquis One Tower
245 Peachtree Center Avenue, NE, Suite 1200
Atlanta, Georgia 30303-1257

Mr. J. E. Reasor, Jr. (without Enclosure)
Old Dominion Electric Cooperative
Innsbrook Corporate Center
4201 Dominion Blvd.
Suite 300
Glen Allen, Virginia 23060

State Health Commissioner (without Enclosure)
Virginia Department of Health
James Madison Building – 7th Floor
109 Governor Street
Room 730
Richmond, Virginia 23219

Dr. V. Sreenivas
NRC Project Manager
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Mail Stop O8 G-9A
Rockville, Maryland 20852-2738

Ms. K. R. Cotton
NRC Project Manager
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Mail Stop O8 G-9A
Rockville, Maryland 20852-2738

NRC Senior Resident Inspector (without Enclosure)
North Anna Power Station

ATTACHMENT

Serial No. 12-622

SUMMARY OF TS BASES CHANGES ASSOCIATED WITH LICENSE AMENDMENTS

**Virginia Electric and Power Company
(Dominion)
North Anna Power Station Units 1 and 2**

Summary of TS Bases Changes
Associated with License Amendments

Addition to Analytical Methodology to Core Operating Limits Report for Best Estimate Large Break Loss-of-Coolant Accident

These amendments and Bases changes add a reference to Technical Specification (TS) 5.6.5.b, Core Operating Limits Report (COLR), to permit the use of the Westinghouse Best Estimate Large Break Loss-of-Coolant accident (BE-LOCA) Evaluation Methodology using the Automated Statistical Treatment of Uncertainty Method (ASTRUM) for the analysis of LBLOCA at North Anna Units 1 and 2.

The TS Bases changes are made to differentiate the usage of accumulator water level (volume) between small break (SB) LOCA and LBLOCA methodologies. The SBLOCA methodologies use a nominal contained water volume. The best estimate or realistic LBLOCA methodologies sample the accumulator water volume over a given range. The other Bases changes are to replace "10 CFR 50, Appendix K" with "10 CFR 50.46". The use of 10 CFR 50.46 allows for the use of both best estimate LBLOCA and deterministic SBLOCA methodologies, since it invokes the requirements of Appendix K.

The Bases changes noted above were submitted to the NRC by Dominion submittals dated October 21, 2010, June 23, 2011 and August 22, 2011 and incorporated into the Bases on March 21, 2012 upon NRC approval and implementation of the associated Technical Specification changes (Amendments 267 for Unit 1 and 248 for Unit 2 issued on February 29, 2012).

Adoption of TSTF-513, Regarding Revision of Operability Requirements and Actions for Reactor Coolant System (RCS) Leakage Detection Instrumentation

These amendments and Bases changes revise Technical Specification (TS) 3.4.15, RCS Leakage Detection Instrumentation. The amendments define a new time limit for restoring inoperable RCS leakage detection instrumentation to operable status and establish alternate methods of monitoring RCS leakage when one or more required leakage detection monitors are inoperable. The changes are consistent with NRC-approved Industry Technical Specification Task Force (TSTF) Standard Technical Specifications change TSTF-513, Revision 3.

The TS Bases are revised to clarify the specified safety function for each required instrument in the limiting condition for operation (LCO) Bases, delete discussion from the Bases that could be construed to alter the meaning of TS operability requirements, and reflect the changes made to TS 3.4.15.

The Bases changes noted above were submitted to the NRC by Dominion submittal dated April 27, 2011 and incorporated into the Bases on November 1, 2011 upon NRC approval and implementation of the associated Technical Specification changes (Amendments 265 for Unit 1 and 246 for Unit 2 issued on September 28, 2011).