

A151
NMR

Attachment

Commitments made by this letter: No New Regulatory Commitments

cc: Director of Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
One White Flint North
Mail Stop 13H16M
11555 Rockville Pike
Rockville, MD 20852-2738

U. S. Nuclear Regulatory Commission, Region II
Regional Administrator
Marquis One Tower
245 Peachtree Center Ave., NE
Suite 1200
Atlanta, Georgia 30303-1257

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

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

Ms. J. A. Kratchman
U. S. Nuclear Regulatory Commission
One White Flint North
Mail Stop O9 D2
11555 Rockville Pike
Rockville, MD 20852-2738

NRC Senior Resident Inspector
North Anna Power Station

Mr. J. E. Reasor, Jr.
Old Dominion Electric Cooperative
Innsbrook Corporate Center, Suite 300
4201 Dominion Blvd.
Glen Allen, Virginia 23060

Attachment

Supplement To Overall Integrated Plan
Requirements for Mitigation Strategies For Beyond-Design-Basis External Events

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

Supplement To Overall Integrated Plan
Requirements for Mitigation Strategies For Beyond-Design-Basis External Events

By letter dated February 28, 2013, Serial No. 12-162B, Dominion provided an Overall Integrated Plan (OIP) to address Beyond-Design-Basis (BDB) events at North Anna Units 1 and 2 as required by Order Number EA-12-049, dated March 12, 2012. It was stated that the OIP was based on conceptual design information and that final design information and revisions would be provided via updates. Various open items were inserted into the OIP to identify information that would be provided or confirmed at a later date. This attachment provides the basis for closure of Open Item Nos. 2 and 3.

Open Item No. 2 - *Preliminary analyses have been performed to determine the time to steam generator overfill without operator action to reduce AFW flow, time to steam generator dryout without AFW flow, and time to depletion of the useable volume of the ECST. The final durations will be provided when the analyses are completed.*

The analysis for secondary side inventories and heat removal has been finalized. Slight changes were observed from the preliminary values reported in the OIP. These changes, applicable to both North Anna Units 1 and 2, are as follows:

- 1) The time to steam generator (SG) overfill without operator action was confirmed as 1.0 hour.
- 2) The time for SG dryout was confirmed as 50 minutes.
- 3) The time to depletion of the water supply from the emergency condensate storage tank increased from 3.8 hours to 4.2 hours. This provides additional time to manually realign the suction supply to the turbine driven auxiliary feedwater pump to the fire main as part of the long-term core cooling strategy.

This response closes Open Item No. 2 for North Anna.

Open Item No. 3 - *Preliminary analyses have been performed to determine the Class 1E battery life based on implementation of load stripping actions. The final battery life duration will be provided when the analyses are completed.*

The completed analyses of the extended Class 1E station emergency battery life confirmed the 8.0 hour battery life for both North Anna Units 1 and 2.

This response closes Open Item No. 3 for North Anna.