

NRR-PMDA-ECapture Resource

From: Sreenivas, V
Sent: Tuesday, July 10, 2012 6:27 PM
To: 'david.heacock@dom.com'
Cc: 'Tom Shaub'; 'david.sommers@dom.com'; Salgado, Nancy; Miranda, Samuel; Mossman, Timothy
Subject: REQUEST FOR ADDITIONAL INFORMATION: NORTH ANNA POWER STATION UNITS 1 AND 2 -LICENSE AMENDMENT REQUEST TO ELIMINATE THE STEAM GENERATOR WATER LEVEL LOW COINCIDENT WITH STEAM FLOW/FEEDWATER FLOW MISMATCH REACTOR TRIP (TAC ME8566 AND ME8567)

By letter dated April 2, 2012, Virginia Electric and Power Company (VEPCO) requests amendments, in the form of changes to the Technical Specifications (TS) to Facility Operating License Numbers NPF-4 and NPF-7, for North Anna Power Station Units 1 and 2 (NAPS), respectively regarding the above subject. The purpose of this email is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's detailed technical review of this request. Please submit the following additional information in order to complete its detailed technical review.

**REQUEST FOR ADDITIONAL INFORMATION (RAI)
VIRGINIA ELECTRIC AND POWER COMPANY NORTH ANNA POWER STATION UNITS 1 DOCKET No.
50-338 AND 50-339**

1) In the license amendment request (LAR), the statement is made that "the three outputs from the steam generator narrow-range level channels are processed in the Westinghouse 7300 Process Protection Racks of the reactor protection system (RPS), and then are inputted to the respective MSS". Based upon this statement, it is unclear to the staff exactly how the signals are routed to the median signal selector (MSS), which is used for steam generator water level control. In order for the staff to make a finding relative to IEEE 279-1971, Clause 4.7.2, which covers isolation between control and protection systems, please provide clarification regarding how the steam generator water level signals travel to the RPS and MSS, respectively. If the signals do pass through the RPS, please provide information regarding what isolation device(s) are used between the RPS and MSS that are credited for complying with Clause 4.7.2.

2) Item 14 of Table 3.3.1-1 of the Technical Specification indicates that three channels of steam generator water level are required for operations and that Surveillance Requirement 3.3.1.1 applies to those channels. SR 3.3.1.1 mandates a channel check of these channels be performed "in accordance with the Surveillance Frequency Control Program". Please confirm that this channel check can still be accomplished with the installation of the MSS, and provide the frequency of the channel checks performed on the steam generator water level channels. Staff is looking to ensure that the MSS installation will not impact the system's compliance with Clause 4.9 of IEEE 279-1971, which addresses sensor checking capability.

Please submit the response to these RAIs by August 13, 2012. If you have any questions please contact me at your earliest.

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