

March 31, 2005

Mr. David A. Christian
Sr. Vice President and Chief Nuclear Officer
Virginia Electric and Power Company
Innsbrook Technical Center
5000 Dominion Blvd.
Glen Allen, Virginia 23060-6711

SUBJECT: NORTH ANNA AND SURRY POWER STATIONS, UNITS 1 AND 2 - REQUEST FOR ADDITIONAL INFORMATION REGARDING NRC BULLETIN 2003-01, "POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON EMERGENCY SUMP RECIRCULATION AT PRESSURIZED-WATER REACTORS"

Dear Mr. Christian:

By letter dated August 7, 2003, Virginia Electric and Power Company (VEPCO) submitted its 60-day response to NRC Bulletin 2003-01 for the North Anna and Surry Power Stations, Units 1 and 2. Based on its review of the August 7, 2003 letter, the NRC staff issued a request for additional information (RAI) on September 2, 2004. On October 29, 2004, VEPCO provided its response to the NRC staff's RAI. Based on its review of the October 29, 2004 response, the NRC staff has determined that additional information is required in order for the NRC staff to complete its review.

Our questions are provided in the Enclosure. The NRC staff requests a response to the RAI within 30 days of the date of this letter.

Sincerely,

/RA/

Stephen R. Monarque, Project Manager, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

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

Enclosure: As stated

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REQUEST FOR ADDITIONAL INFORMATION

NRC BULLETIN 2003-01, "POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON
EMERGENCY SUMP RECIRCULATION AT PRESSURIZED-WATER REACTORS"
NORTH ANNA AND SURRY POWER STATIONS, UNITS 1 AND 2

VIRGINIA ELECTRIC & POWER COMPANY

By letter dated September 2, 2004, the NRC staff issued a request for additional information (RAI) to NRC Bulletin 2003-01 for the North Anna and Surry Power Stations, Units 1 and 2. In its RAI, the NRC staff requested that Virginia Electric and Power Company (VEPCO) provide a discussion of the Westinghouse Owners Group (WOG)-recommended compensatory measures that have been or will be implemented at North Anna and Surry, Units 1 and 2, including the evaluations or analyses used to determine which of the WOG-recommended changes were acceptable at North Anna and Surry, Units 1 and 2. VEPCO was also requested to provide a technical justification for those WOG-recommended compensatory measures that were not being implemented at North Anna and Surry, Units 1 and 2.

In its response dated October 29, 2004, VEPCO provided the following information.

The WOG recommendation was to implement the Sump Blockage Control Room Guideline (SBCRG) documented in Volume 2 to WCAP-16204, Revision 1 as an interim compensatory action to reduce the risk associated with sump blockage.

VEPCO's approach may be non-responsive in that it implies that the entirety of Volume I and Appendix A of Volume I to WCAP-16204, Revision 1, "Evaluation of Potential ERG and EPG Changes to Address NRC Bulletin 2003-01 Recommendations (PA-SEE-0085)" were not considered for its usefulness in further reducing risk from a sump clogging event. Although the 11 candidate operator actions (COAs) evaluated in Volume I of WCAP-16204, Revision 1 either may not be included in the SBCRG, may not be applicable to the North Anna or Surry plant designs, or may not be risk beneficial to North Anna or Surry, it is incumbent upon the licensee to provide technical justifications for not implementing them.

Therefore, VEPCO is requested to provide information that verifies the 11 COAs are included in the SBCRG. In addition, VEPCO is requested to provide a discussion on the plant-specific evaluations and verifications performed in order to justify the applicability and usability of the generic SBCRG for both North Anna and Surry. Finally, provide technical justification for any plant-specific deviations that do not implement any of the 11 COAs.

Enclosure

Virginia Electric and Power Company

cc:

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