

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

May 14, 2007

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

Serial No. 07-0109B
SPS-LIC/CGL R1'
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2
PROPOSED TECHNICAL SPECIFICATIONS CHANGE
TEMPORARY 45-DAY AND 14-DAY ALLOWED OUTAGE TIMES TO REPLACE
MAIN CONTROL ROOM AND EMERGENCY SWITCHGEAR ROOM
AIR CONDITIONING SYSTEM CHILLED WATER PIPING
ADDITIONAL INFORMATION REGARDING MAIN CONTROL ROOM HEATUP

By letter dated April 5, 2007 (Serial No. 07-0109A), Virginia Electric and Power Company (Dominion) responded to an NRC request for additional information (RAI). The RAI response was related to an amendment request to Facility Operating License Numbers DPR-32 and DPR-37 for Surry Power Station Units 1 and 2 transmitted to the NRC on February 26, 2007 (Serial No. 07-0109) that will permit the use of temporary 45-day and 14-day allowed outage times (AOTs) to facilitate replacement of Main Control Room (MCR) and Emergency Switchgear Room (ESGR) Air Conditioning System (ACS) chilled water piping.

In the discussion of the Capability of the Backup Cooling Supply, the April 5, 2007 transmittal indicated that a preliminary MCR heatup calculation was being finalized. The transmittal also indicated that the preliminary calculation supported the expectation that the MCR temperatures resulting from a loss of chilled water event would remain within design limits for safety related equipment. The April 5, 2007 transmittal identified a commitment to provide verification of the expected MCR heatup results to the NRC by May 18, 2007. The purpose of this letter is to provide that verification.

The MCR heatup calculation was performed using GOTHIC, a thermal-hydraulic computer program that is well-suited for room heatup analyses. The model developed for evaluation of MCR heatup assumed loss of chilled water flow to the operating chilled water loop with no compensatory measures taken in the MCR (e.g., no doors were opened). The MCR heatup calculation used space heat loads representative of normal

operation and summer ambient conditions, which are bounding for the MCR. The results of these calculations confirm that MCR temperatures are within the design limits for the safety-related equipment housed within the MCR.

If you have any questions or require additional information, please contact Mr. Gary D. Miller at (804) 273-2771.

Very truly yours,



Gerald T. Bischof
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Commitments made in this letter: None.

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