

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

July 13, 2007

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

Serial No. 07-0109C
SPS-LIC/CGL R0"
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 BACKUP COOLING SUPPLY FLOW

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 for Surry Power Station Units 1 and 2 that was transmitted to the NRC on February 26, 2007 (Serial No. 07-0109). The amendment request will permit the use of temporary 45-day and 14-day allowed outage times to facilitate replacement of Main Control Room (MCR) and Emergency Switchgear Room (ESGR) Air Conditioning System chilled water piping.

In the discussion of the Capability of the Backup Cooling Supply, the April 5, 2007 transmittal indicated that performance of a calculation was planned to verify adequate chilled water flow from the backup cooling supply from the Mechanical Equipment Room #1 (MER-1) chillers. The transmittal also indicated that it was expected that, with the backup cooling supply in operation, the temperatures would be close to those of normal operation. The April 5, 2007 transmittal identified a commitment to provide the calculation results to the NRC by July 16, 2007. The purpose of this letter is to provide the results of the calculation.

The calculation has been completed to verify the capability of the MER-1 chillers 1-VS-E-3A and 1-VS-E-3B to provide chilled water to the MCR and ESGR air handling units through the existing piping to chilled water loop A and through the valves and hose connections being added to supply chilled water loop C. The calculation shows that one MER-1 chiller can supply approximately 190 gpm to chilled water loop C, which bounds the chilled water loop A configuration. Normal flow to the loop is in the range of

cc: U.S. Nuclear Regulatory Commission
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Suite 23 T85
Atlanta, Georgia 30303

Mr. E. Riggs
NRC Senior Resident Inspector
Surry Power Station

State Health Commissioner
Virginia Department of Health
James Madison Building – 7th Floor
109 Governor Street
Room 730
Richmond, Virginia 23219

Mr. S. P. Lingam
NRC Project Manager
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Mail Stop 8G9A
Rockville, Maryland 20852

Mr. R. A. Jervey
NRC Project Manager – North Anna
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Mail Stop 8G9A
Rockville, Maryland 20852