

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

January 6, 2004

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Serial No.: 03-616
LR/CTS R0'
Docket Nos.: 50-280/281
50-338/339
License Nos.: DPR-32/37
NPF-4/7

VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION)
SURRY POWER STATION UNITS 1 AND 2
NORTH ANNA POWER STATION UNITS 1 AND 2
ENGINEERING EVALUATION RESULTS AND CLOSURE OF COMMITMENT FOR
MANAGEMENT OF ENVIRONMENTALLY ASSISTED FATIGUE IN SAFETY
INJECTION ACCUMULATOR AND CHARGING NOZZLES

A specific commitment of the renewed operating licenses for both the Surry and North Anna Power Stations was management of environmentally assisted fatigue for safety injection (SI) accumulator and charging line nozzles. As stated in Section 18.3.2.4 and in Table 18-1 (Item 25) of the UFSARs for both stations, an acceptable approach for addressing this issue was to further refine the fatigue analyses for SI accumulator and charging line nozzles using the guidance of ASME Code Section III, NB-3200, in an effort to reduce the cumulative usage factors (CUF) for the nozzles to values that are below the Code limit of 1.0. The enhanced fatigue analyses have been completed and confirm that the CUF values for the SI accumulator and charging nozzles at Surry and North Anna are below the limit of 1.0. Therefore, no additional inspections are required for these nozzles due to environmentally assisted fatigue and no further action is required for Item 25 of UFSAR Table 18-1. Appropriate changes will be made in the UFSARs for the Surry and North Anna Power Stations to document this conclusion and the closure of this commitment.

Should you have any questions regarding this submittal, please contact Mr. C. T. Snow at (804) 273-2937.

Very truly yours,



Leslie N. Hartz
Vice President – Nuclear Engineering

Commitments made in this letter: None.

A001

cc: U. S. Nuclear Regulatory Commission
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth St., SW, Suite 23 T85
Atlanta, GA 30303-8931

Mr. C. Gratton
Senior Project Manager
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Mail Stop 8G9
Rockville, MD 20852-2738

Mr. S. R. Monarque
Project Manager
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Mail Stop 8H12
Rockville, MD 20852-2738

Mr. M. T. Widmann
NRC Senior Resident Inspector
North Anna Power Station

Mr. G. J. McCoy
NRC Senior Resident Inspector
Surry Power Station

Mr. J. E. Reasor
Old Dominion Electric Cooperative
Innsbrook Corporate Center
4201 Dominion Boulevard
Suite 300
Glen Allen, VA 23060