

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

Re: 10 CFR 2.202

February 28, 2003

Secretary, Office of the Secretary of the Commission  
U.S. Nuclear Regulatory Commission  
ATTN: Rulemakings and Adjudications Staff  
Washington, D.C. 20555-0001

Serial No.: 03-143  
NL&OS/ETS  
Docket Nos.: 50-338  
50-339  
License Nos.: NPF-4  
NPF-7

Gentlemen:

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**NORTH ANNA POWER STATION UNITS 1 AND 2**  
**ANSWER TO ORDER FOR INTERIM INSPECTION REQUIREMENTS FOR**  
**REACTOR PRESSURE VESSEL HEADS AT PRESSURIZED WATER REACTORS**  
**DATED FEBRUARY 11, 2003**

On February 11, 2003, the Nuclear Regulatory Commission (NRC) issued an Order for Interim Inspection Requirements for Reactor Pressure Vessel Heads at Pressurized Water Reactors licensees. The Order requires specific inspection of the reactor pressure vessel (RPV) head and associated penetration nozzles at pressurized water reactors (PWRs). The Commission stated that the actions in the Order are interim measures, necessary to ensure that licensees implement and maintain appropriate measures to inspect and, as necessary, repair RPV heads and associated penetration nozzles. The Order required that licensees immediately start implementation of the requirements of the Order and respond to specific actions within twenty (20) days of the date of the Order.

In accordance with Section V of the Order and 10 CFR 2.202, Virginia Electric and Power Company (Dominion) hereby submits its answer to the Order. Dominion consents to the Order as described in Section IV and does not request a hearing.

The North Anna Units 1 and 2 RPV replacement head penetration nozzles have thermal sleeves installed that could preclude 100 percent inspection coverage of the penetration nozzle base material in the area of the J-groove weld as required by Section IV.C(3)(b) of the Order. The thermal sleeves for the replacement RPV heads were designed and installed to reduce the possible interferences associated with ultrasonic or eddy current examination of the inside diameter of the penetrations; however, until the first inspections required by the Order are performed, the exact limitation on coverage cannot be established. If 100 percent coverage of the area of interest cannot be

obtained during inspection of the penetration nozzles, Dominion will seek relaxation from the inspection requirements in Section IV.C(3)(b) of the Order at that time.

If you have any questions, please contact Mr. Thomas Shaub at (804) 273-2763.

Very truly yours,



David A. Christian  
Senior Vice President – Nuclear Operations and Chief Nuclear Officer

Commitments made in this letter: None

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

Mr. Samuel J. Collins, Director  
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U. S. Nuclear Regulatory Commission  
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Mr. S. R. Monarque  
NRC Project Manager  
North Anna Power Station

Mr. M. J. Morgan  
NRC Senior Resident Inspector  
North Anna Power Station

SN: 03-143

Docket Nos.: 50-338/339

North Anna Response to RPV Head and Penetration Nozzles Inspection Order (EA-03-009)

COMMONWEALTH OF VIRGINIA     )  
  )  
COUNTY OF HENRICO            )

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by David A. Christian who is Senior Vice President – Nuclear Operations and Chief Nuclear Officer of Virginia Electric and Power Company. He has affirmed before me that he is duly authorized to execute and file the foregoing document in behalf of that Company, and that the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 28<sup>TH</sup> day of February, 2003.

My Commission Expires: May 31, 2006.

Vicki L. Hull  
Notary Public

