

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

R. H. LEASBURG  
VICE PRESIDENT  
NUCLEAR OPERATIONS

May 7, 1982



Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
Attn: Mr. Robert A. Clark, Chief  
Operating Reactors Branch No. 3  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Serial No.: 279  
FR/GLD: plc  
Docket No.: 50-339  
License No.: NPF-7

Gentlemen:

REVISED CORE SURVEILLANCE REPORT  
FOR NORTH ANNA 2, CYCLE 2

As discussed with members of the Staff on April 30, 1982, the purpose of this letter is to transmit to you a Core Surveillance Report (CSR) containing revised power distribution limits applicable for Cycle 2 operation. As required by North Anna Unit No. 2 Technical Specification 6.9.1.10, my March 8, 1982 letter (Serial No. 131) provided you with the CSR containing the specific Cycle 2 values for Fxy and the axial power distribution surveillance limit, Pm. These limits were developed for use with a LOCA F<sub>Q</sub> limit of 2.10. In an April 13, 1982 NRC letter (Serial No. 246), Amendment Nos. 39 and 20 approved the use of a LOCA F<sub>Q</sub> limit of 2.14 for North Anna Units No. 1 and 2. Consequently, Attachment 1 provides a revised CSR containing specific Cycle 2 values of Fxy and Pm appropriate for use with a LOCA F<sub>Q</sub> limit of 2.14. We have revised the Fxy limit to a value of 1.60 for all unrodded core planes to take credit for the increased margin provided by the 2.14 F<sub>Q</sub> limit.

As discussed with the Staff we are requesting approval of the revised CSR prior to the North Anna 2 startup. While operation in accordance with the currently approved CSR limits will result in no operational constraints, approval of the revised CSR prior to startup would eliminate a change of limits during the cycle.

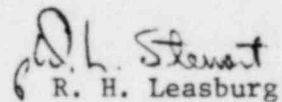
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If you would like additional information, please contact this office.

Very truly yours,

  
R. H. Leasburg

Attachment

(1) Core Surveillance Report for North Anna 2, Cycle 2 (Revision 1)

cc: Mr. James P. O'Reilly  
Regional Administrator  
Region II

ATTACHMENT 1

Core Surveillance Report

North Anna 2, Cycle 2

(Revision 1)

TABLE 1  
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NORTH ANNA UNIT 2, CYCLE 2 CORE SURVEILLANCE LIMITS, FQ = 2.14  
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- I. The F-XY limits for RATED THERMAL POWER within specific core planes shall be:
1.  $F_{xy}-RTP \leq 1.71$  for all core planes containing bank "D" control rods, and
  2.  $F_{xy}-RTP \leq 1.60$  for all unrodded core planes.
- II. The axial power distribution surveillance threshold power level shall be:
1.  $P_m = 100\%$  of RATED THERMAL POWER.

NORTH ANNA UNIT 2, CYCLE 2  
MAXIMUM ( $F_Q^T \cdot P_{Rel}$ ) vs. AXIAL CORE HEIGHT  
DURING NORMAL CORE OPERATION

