

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

October 25, 1990

United States Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

Serial No. 90-533B  
NL&P/JYR:jmj  
Docket No. 50-339  
License No. NPF-7

Gentlemen:

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**NORTH ANNA POWER STATION UNIT 2**  
**REVISED RELOAD INFORMATION FOR CYCLE 8**

North Anna Unit No. 2 completed its seventh cycle of operation on August 21, 1990 and entered into an outage for refueling. A redesign of the Cycle 8 core necessitates a revision to the Core Surveillance Report previously transmitted to you ("Reload Information for Cycle 8," Serial No. 90-533, dated September 11, 1990). We requested a waiver of the 60 day advance submittal requirement of Technical Specification 6.9.1.7 ("Technical Specification Reporting Requirements for the Core Surveillance Report," Serial No. 90-533A, dated October 4, 1990) and proposed a revised submittal date for the Core Surveillance Report. This letter transmits to you the revised Core Surveillance Report for the redesigned Cycle 8 core.

The Cycle 8 reload core was analyzed in accordance with the methodology documented in the approved topical report VEP-FRD-42, Revision 1-A, "Reload Nuclear Design Methodology," using NRC approved codes as referenced in the topical. The information in the report was developed in accordance with our topical report VEP-NE-1-A, "Relaxed Power Distribution Control Methodology and Associated FQ Surveillance Technical Specifications." These analyses were performed and reviewed by our technical staff. The results of these analyses indicated that no key analysis parameters would become more limiting during Cycle 8 operation than the values assumed in the currently applicable safety analyses. Further, the analyses demonstrated that the current Technical Specifications are appropriate and require no additional changes.

A review has been performed by the Station Nuclear Safety and Operating Committee. It has been determined that no unreviewed safety question as defined in 10 CFR 50.59 will exist as a result of the Cycle 8 reload core.

Attachment 1 provides the Core Surveillance Report which consists of the specific Cycle 8 values for N(Z) and the Axial Flux Difference Limits. These limits are based upon the current total peaking factor (Fq) limit of 2.19.

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This letter is provided for your information and planning. However, should you have questions, please contact us at your earliest convenience.

Very truly yours,

*RJ Saunders for*  
W. L. Stewart  
Senior Vice President - Nuclear

Attachment

1. Core Surveillance Report for North Anna 2, Cycle 8

cc: United States Nuclear Regulatory Commission  
Region II  
101 Marietta Street, N.W.  
Suite 2900  
Atlanta, GA 30323

Mr. M. S. Lesser  
NRC Senior Resident Inspector  
North Anna Power Station