

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

January 18, 1991

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

Serial No. 91-015
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Docket No. 50-338
License No. NFF-4

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNIT 1
TECHNICAL SPECIFICATION REPORTING REQUIREMENTS
FOR THE CORE SURVEILLANCE REPORT FOR CYCLE 9

North Anna Unit 1 has completed its eighth cycle of operation on January 12, 1991 and has entered into an outage for refueling. The purpose of this letter is to advise you of our plans for the Cycle 9 reload core and to transmit to you the Core Surveillance Report containing specific power distribution limits applicable for Cycle 9 operation.

Technical Specification 6.9.1.7 requires that the Core Surveillance Report be submitted to the NRC sixty days prior to this information becoming effective (Cycle 9 is currently scheduled for criticality on March 12, 1991.) However, the Technical Specification provides for an alternate submittal date with NRC written approval. Therefore, in accordance with this Technical Specification provision, we request the sixty day advance submittal requirement of Technical Specification 6.9.1.7 be waived by the NRC.

The Cycle 9 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 Specification." These analyses were performed and reviewed by our technical staff. The results of these analyses indicated that the currently applicable safety analyses remain bounding for Cycle 9 operation. 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 9 reload core.

Attachment 1 provides the Core Surveillance Report which consists of the specific Cycle 9 values for N(Z) and Axial Flux Difference Limits. These limits are based upon the current total peaking factor (Fq) limit of 2.19.

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

Very truly yours,



W. L. Stewart
Senior Vice President - Nuclear

Attachment

1. Core Surveillance Report for North Anna 1, Cycle 9

cc: United States Nuclear Regulatory Commission
Region II
101 Marietta Street, N.W.
Suite 2900
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Mr. M. S. Lesser
NRC Senior Resident Inspector
North Anna Power Station