

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

June 8, 1990

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

Serial No. 89-001B
NL&P/JYR:vlh
Docket No. 50-339
License No. NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNIT 2
RELOAD INFORMATION FOR CYCLE 7
LICENSE BURNUP LIMIT EXTENSION

The North Anna Unit 2 Cycle 7 reload core has been analyzed for an extension of the license burnup limit from 17700 MWD/MTU to 18700 MWD/MTU. Unit 2 is expected to exceed 17700 MWD/MTU burnup on August 9, 1990 based on current loading projections. The purpose of this letter is to transmit to you the Core Surveillance Report containing specific power distribution limits applicable for Cycle 7 operation with this burnup limit extension.

The Cycle 7 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 7 operation with the burnup limit extension than the values assumed in the applicable safety analyses.

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 burnup limit extension.

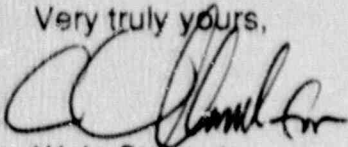
The Core Surveillance Report, which consists of the Cycle 7 N(z) function and the Axial Flux Difference Limits, is included as an Attachment. These limits are based upon the current total peaking factor (FQ) limit of 2.19.

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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,

A handwritten signature in dark ink, appearing to read 'W. L. Stewart', is written over the typed name.

W. L. Stewart
Senior Vice President - Nuclear

Attachment

Core Surveillance Report for North Anna 2, Cycle 7

cc: U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N. W.
Suite 2900
Atlanta, Georgia 30323

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