

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

March 16, 1992

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

Serial No. 92-143
NAPS/JYR
Docket No. 50-338
License No. NPF-4

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNIT 1 CYCLE 9
CORE OPERATING LIMITS REPORT

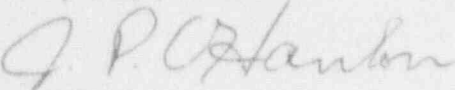
Pursuant to Technical Specification 6.9.1.7.d, we are submitting the attached Core Operating Limits Report (COLR) for the remainder of North Anna Unit 1 Cycle 9. This is the first issuance of a Unit 1 COLR, in accordance with Amendment No. 146 which was approved June 7, 1991.

North Anna Unit 1 Cycle 9 originally began operation on March 9, 1991. However, the unit shut down on December 23, 1991 to conduct a mid-cycle steam generator tube inspection outage. As a result of the inspection, additional steam generator tube plugging was required. The UFSAR Chapter 15 accidents were evaluated for the increased tube plugging effects. These evaluations resulted in Technical Specification changes to support a reduced minimum RCS flow rate limit for the Loss of Coolant Accident (LOCA) and a temporary power reduction for the remainder of the cycle. The reduced minimum RCS flow rate limit and the temporary power reduction were approved by Amendment Nos. 154 and 153, respectively.

Several core operating limits were revised as a result of the UFSAR Chapter 15 accident evaluations and associated Technical Specification changes. Therefore, a mid-cycle COLR is necessary to reflect the change in the $N(z)$ functions and the axial flux difference curves for the remainder of Cycle 9.

Should you have any questions or require additional information, please contact us at your earliest convenience.

Very truly yours,



for W. L. Stewart
Senior Vice President - Nuclear

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PDR ADOCK 05000338
P PDR

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Attachment

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

APPENDIX A
NORTH ANNA 1 CYCLE 9
CORE OPERATING LIMITS REPORT
Revision 1 (Feb 92)