

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

February 14, 1991

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

Serial No.: 91-057
NL&P/RMN
Docket Nos.: 50-338
50-339
License Nos.: NPF-4
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNITS 1 AND 2
PROPOSED TECHNICAL SPECIFICATION CHANGES
AUXILIARY FEEDWATER PUMP TESTING

Pursuant to 10 CFR 50.90, the Virginia Electric and Power Company requests amendments, in the form of changes to the Technical Specifications, to Operating License Numbers NPF-4 and NPF-7 for North Anna Power Station Units 1 and 2, respectively.

The proposed changes to the North Anna Units 1 and 2 Technical Specifications will allow improvements to the monthly auxiliary feedwater pump tests. These changes are intended to replace our December 28, 1989 request (letter serial number 89-833).

NRC Bulletin 88-04 "Safety Related Pump Loss" identified concerns with hydraulic instability in pumps operating near their shut off heads. In our August 8, 1988 reply to that bulletin we committed to disassembling and inspecting the auxiliary feedwater pumps and to minimize operation at low flow. The inspections indicated that some degradation had occurred which was not revealed by the high pressure-low flow testing. The pumps have since been overhauled and our quarterly ASME Section XI testing procedures have been revised to allow full flow tests. A new full flow recirculation line was added during the latest Unit 2 refueling outage and is being installed during the current Unit 1 outage to permit full flow testing at power without affecting the steam generators or normal feedwater regulation. Our quarterly Section XI testing is now done at flow conditions near the pump's best efficiency point. This test provides early warning of degradation and is similar to conditions when the pump is performing its safety function. If the monthly test could be done under similar conditions, safety would be enhanced because there would be less pump wear and more effective testing.

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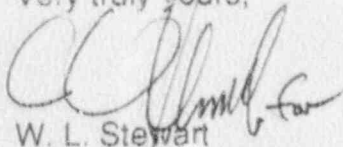
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This does not affect our MERITS submittal, therefore a MERITS change is not attached. The proposed changes are provided in Attachments 1 and 2. A discussion of the proposed changes with the technical justification and safety evaluation of the proposed changes is provided in Attachment 3.

This request has been reviewed by the Station Nuclear Safety and Operating Committee and the Management Safety Review Committee. It has been determined that this request does not involve an unreviewed safety question as defined in 10 CFR 50.59 or a significant hazards consideration as defined in 10 CFR 50.92. The basis for our determination that no significant hazards consideration is involved is presented in Attachment 4.

Because of the need to revise procedures, please allow us 60 days to implement these changes from the date of issuance. Should you have any questions or require additional information, please contact us at your earliest convenience.

Very truly yours,



W. L. Stewart
Senior Vice President - Nuclear

Attachments

1. Proposed Technical Specification Change for North Anna Unit 1
2. Proposed Technical Specification Change for North Anna Unit 2
3. Discussion of Proposed Changes
4. 10 CFR 50.92 Evaluation

cc: U.S. 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

Commissioner
Department of Health
Room 400
109 Governor Street
Richmond, Virginia 23219

COMMONWEALTH OF VIRGINIA)
)
COUNTY OF HENRICO)

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by E. W. Harrell, who is Vice President - Nuclear Operations, for W. L. Stewart, who is Senior Vice President - Nuclear, of Virginia Electric and Power Company. He is duly authorized to execute and file the foregoing document in behalf of that Company, and the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 14TH day of February, 1991.
My Commission Expires. May 31, 1994.

Dicki L. Hull
Notary Public

(SEAL)