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. 91-014
NL/RCS/ets
Docket No. 50-280
License No. DPR-32

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNIT 1
NRC BULLETIN 88-04, POTENTIAL SAFETY RELATED PUMP LOSS
COMPLETED ACTIONS

In accordance with NRC Bulletin 88-04, this letter provides notification of the completion of the long term corrective action for safety-related pumps for Unit 1. A summary of our completed corrective actions is provided in the Attachment to this letter.

Should you have any further questions, please contact us.

Very truly yours,

W. L. Stewart
Senior Vice President - Nuclear

Attachment

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

Mr. W. E. Holland
NRC Senior Resident Inspector
Surry Power Station

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1/1

ATTACHMENT

REPLY TO A REQUEST FOR ADDITIONAL INFORMATION ON STATUS OF CORRECTIVE ACTIONS FOR NRC BULLETIN 88-04 POTENTIAL SAFETY RELATED PUMP LOSS

I. RESIDUAL HEAT REMOVAL (RHR)

Corrective Actions: No corrective actions necessary. Engineering will initiate a study to evaluate enhancements of cooldown and possible heatup operation which may reduce pump maintenance requirements.

Status: COMPLETE

II. LOW HEAD SAFETY INJECTION (LHSI)

Corrective Actions: Small break LOCA scenarios will be conducted by November 1, 1988 on the simulator to verify the EOPS adequately address and therefore minimize operation of the LHSI pumps.

Status: COMPLETE

III. HIGH HEAD SAFETY INJECTION (HHSI)

Corrective Actions: No corrective actions are deemed necessary.

Status: COMPLETE

IV. AUXILIARY FEED WATER (AFW)

Corrective Actions: Short Term

a. Appropriate procedures will be reviewed and revised, as necessary, by November 1, 1988 to minimize operation at low flow/minimum flow recirculation.

Status: COMPLETE

b. Operation/Engineering personnel will be directed to limit use of these pumps in leak testing.

Status: COMPLETE

IV. AUXILIARY FEED WATER (continued)

Corrective Actions: Long Term

a. One auxiliary feedwater pump will be disassembled and inspected for degradation during the 1990 and 1991 refueling outage for each unit. The remaining pumps will be inspected during subsequent outages. Inspection results will determine the required future inspection frequency and number of pumps inspected.

Status: COMPLETE.

Auxiliary feedwater pump, 1-FW-P-3A, was disassembled and inspected for degradation during the recent refueling outage for Unit 1. The inspection results were evaluated and it was conservatively estimated that at least six years of remaining pump life exist under current operating conditions for the Unit 1 pumps . In addition, the 100% full flow test lines described below will improve operating conditions and should further prolong pump life.

b. Larger minimum flow recirculation lines are scheduled to be installed in the 1990 and 1991 refueling outages for Units 1 and 2, respectively.

Status: COMPLETE.

100% full flow test lines were installed in Unit 1 during the refueling outage which completed on December 20, 1990.