

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

June 1, 1995

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

Serial No. 87-184A  
NL&P/EJW  
Docket No. 50-338  
License No. NPF-4

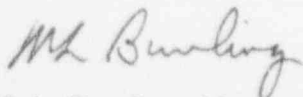
Gentlemen:

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**NORTH ANNA POWER STATION UNIT 1**  
**SUPPLEMENTAL RESPONSE TO GENERIC LETTER 87-06**  
**PERIODIC VERIFICATION OF LEAK TIGHT INTEGRITY OF**  
**PRESSURE ISOLATION VALVES**

Generic Letter 87-06, "Periodic Verification of Leak Tight Integrity of Pressure Isolation Valves," dated March 13, 1987 requested a list of all pressure isolation valves for the Reactor Coolant Pressure Boundary (RCPB) and a description of the periodic tests or other measures performed to assure the integrity of the valves as an independent barrier at the RCPB along with the acceptance criteria for leakage, operational limits, and frequency of test performance. The requested information was provided by letter (VEPCO Serial No. 87-184) dated June 12, 1987. However, a subsequent review of the North Anna Unit 1 Technical Specifications and Inservice Testing (IST) Program and Plans has revealed that the information on our June 12, 1987, letter related to testing the Unit 1 Accumulator Discharge Check Valves needs to be corrected. Previously, it was indicated that a periodic leak test was performed on the Unit 1 Accumulator Discharge Check Valves. However, a periodic leak test is not performed on these valves. Instead, the integrity of the RCPB is tested in accordance with the Technical Specifications, the IST Program, and the Inservice Inspection Program.

The corrected information is provided in Attachment 1, "Pressure Isolation Valve List and Testing Criteria for North Anna Unit 1." If you have any questions, please contact us.

Very truly yours,



M. L. Bowling, Manager  
Nuclear Licensing and Programs

Attachment

1. Pressure Isolation Valve List and Testing Criteria for North Anna Unit 1

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PDR ADDCK 05000338  
P PDR

ADT

cc: U. S. Nuclear Regulatory Commission  
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Mr. R. D. McWhorter  
NRC Senior Resident Inspector  
North Anna Power Station

**Attachment 1**  
**Pressure Isolation Valve List**  
**and**  
**Testing Criteria for North Anna Unit 1**

## NORTH ANNA UNIT 1

Valve Number	Description	Test Type	Test Freq.	Accept. Criteria
1-SI-195 1-SI-197 1-SI-199	Lo Head SI to Cold Legs	Leak Test IAW T.S. 4.4.6.2.2	*C9	Leak Rate $\leq 1$ GPM or Note 1
1-SI-83 1-SI-86 1-SI-89	SI to Cold Legs (Low and High Heads)	Leak Test IAW T.S. 4.4.6.2.2	*C9	Leak Rate $\leq 1$ GPM or Note 1
MOV-1867C MOV-1867D	BIT Outlet to Cold Legs	Type "C" Leak Test	*R24	Leak Rate $\leq 0.92$ SCFH @ 45 psig (Note 3)
MOV-1836	Alt Charging To Cold Legs	Type "C" Leak Test	*R24	Leak Rate $\leq 0.92$ SCFH @ 45 psig (Note 3)
MOV-1890C MOV-1890D	Lo Head SI to Cold Legs	Type "C" Leak Test	*R24	Leak Rate $\leq 1.8$ SCFH @ 45 psig (Note 3)
1-SI-185 1-SI-79 1-SI-201 1-SI-90	Hi Head SI to Cold and Hot Legs	Type "C" Leak Test	*R24	Leak Rate $\leq 0.92$ SCFH @ 45 psig
1-SI-206 1-SI-207	Lo Head SI to Hot Legs	Type "C" Leak Test	*R24	Leak Rate $\leq 1.8$ SCFH @ 45 psig
MOV-1869A MOV-1869B	Hi Head SI to Hot Legs	Type "C" Leak Test	*R24	Leak Rate $\leq 0.92$ SCFH @ 45 psig
MOV-1890A MOV-1890B	Lo Head SI to Hot Legs	Type "C" Leak Test	*R24	Leak Rate $\leq 1.8$ SCFH @ 45 psig
1-SI-125 1-SI-127 1-SI-142 1-SI-144 1-SI-159 1-SI-161	Accumulator Discharge Check Valves	None		Note 2
MOV-1700 MOV-1701	RHR Supply Isolation	None		Note 2
MOV-1720A MOV-1720B	RHR Return Isolation	None		Note 2

\*C9 - Each Cold Shutdown but not more often than every 9 months.

\*R24 - Each Refueling Outage and at least every 24 months.

Note 1 -  $>1$  GPM but  $\leq 5$  GPM if the latest measured leak rate has not exceeded the previous leak rate by an amount that reduces the margin between the previous measured rate and the max. permissible value (5 GPM) by 50%.

Note 2 - The integrity of the primary coolant pressure boundary is periodically tested in accordance with Technical Specifications and ASME Section XI hydrostatic test requirements. This testing verifies the integrity of the boundary with the interfacing systems but not the integrity of the individual valves which form the boundary.

Note 3 - 1-SI-83, 86, and 89 are tested as PIVs in lieu of these motor operated valves.