

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

December 29, 1983

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
Attn: Mr. Darrell G. Eisenhut, Director
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Serial No. 743
PSE/HWB:jdm:0017N
Docket No.: 50-338
License No.: NPF-4

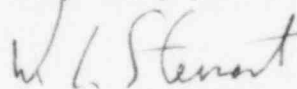
Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNIT 1
STATUS OF NUREG-0737 ITEM II.D.1.2

In our letter dated December 21, 1982 (Serial No. 705), we provided a status report on the completed evaluation of the North Anna Unit 2 safety and relief valve discharge piping. Unit 2 had been designated as the lead unit for these evaluations. The plant-specific piping calculations for the remaining Vepco units were to be accomplished using information and guidance from the North Anna Unit 2 evaluation.

The analysis has now been completed for North Anna Unit 1. As with North Anna Unit 2, this analysis has demonstrated the feasibility of maintaining the safety valve loop seals provided the loop seals are maintained at an elevated temperature of approximately 400°F and modifications are made to the piping system supports. The elevated temperature will be accomplished by modifying the pressurizer insulation adjacent to the loop seals and the addition of insulation to the loop seals. It is our intention, therefore, to proceed with the final engineering and the required modifications on North Anna Unit 1 based on the retention of the safety valve loop seals.

Very truly yours,



W. L. Stewart

cc: Mr. James P. O'Reilly
Regional Administrator
Region II

Mr. James R. Miller, Chief
Operating Reactors Branch No. 3
Division of Licensing
U.S. Nuclear Regulatory Commission

Mr. M. W. Branch
NRC Resident Inspector
North Anna Power Station

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