VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

October 3, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
Attn: Mr. James R. Miller, Chief
Operating Reactors Branch No. 3
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Serial No. 726F
E&C/WBR:ses:2004N
Docket No. 50-339
License No. NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNIT NO. 2
IMPLEMENTATION OF 587.8°F REACTOR COOLANT AVERAGE TEMPERATURE

The NRC letter of March 13, 1984, from Mr. Leon B. Engle to Mr. W. L. Stewart issued Amendment No. 54 to Facility Operating License No. NPF-4 for North Anna Power Station, Unit No. 1. As requested by our letters of December 30, 1982 (Serial No. 726) and September 29, 1983 (Serial No. 480), the amendment revised the Unit No. 1 Technical Specifications to permit operation with a reactor coolant system (RCS) average temperature of 587.8°F and to allow optimization of the core loading pattern by changing the fractional thermal power multiplier from 0.2 to 0.3 for an RCS T-AVG of 587.8°F.

The Safety Evaluation for the 7.5°F uprating forwarded by the above NRC letter applied to Unit Nos. 1 and 2. However, the issuance of an amendment for Unit No. 2 was held in abeyance until Vepco had modified the main feedwater regulating valve trim to provide operational flexibility for the uprating. In lieu of a trim modification, the valve operators have been replaced to allow a larger valve stroke. This change enables the use of the full capacity of the existing valve trims. A review has been performed and it has been determined that the replacement of the valve operators has provided the required valve operational flexibility to permit operation at an RCS T-AVG of 587.8°F.

It is requested that the NRC issue an amendment to Facility Operating License No. NPF-7, for North Anna Power Station, Unit No. 2. This amendment is needed to support implementation of the 7.5°F T-AVG increase at North Anna Unit No. 2 during the current refueling outage, which is scheduled to end on October 23, 1984.

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Please contact us at your earliest convenience if you should have any questions.

Very truly yours,

W. L. Stewart

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

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