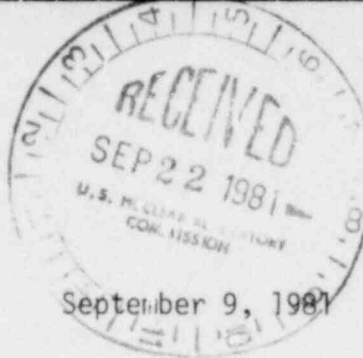


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VIRGINIA ELECTRIC AND POWER COMPANY

Mr. James P. O'Reilly, Director
Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Serial No. 378
PSE&C/MFB:brc

Docket No. 50-404

Dear Mr. O'Reilly:

On August 12, 1977, NRC Region II was notified under the provisions of 10CFR 50.55(e) concerning the available net positive suction head (NPSH) for the recirculation spray pumps installed on North Anna Power Station Units 3 and 4. This notification was followed by a five-day report on August 18, 1977, in accordance with reporting requirements of 10CFR21.

The report stated that an analysis had indicated that under certain postulated post LOCA conditions the available NPSH for the recirculation spray pumps could be less than required.

Subsequently, the recirculation spray pump arrangement has been modified to set the pumps lower in elevation which increases the NPSH available at the pump suction. The modified pump arrangement provides a minimum margin of 25 percent of NPSH available over and above that required for satisfactory pump operation for all postulated post LOCA conditions.

The assumptions used in determining the modified pump arrangement are conservative. We are confident that the modified pump arrangement ensures satisfactory performance of these pumps during all postulated post LOCA conditions.

We anticipate no further correspondence on this subject. Therefore, this letter is considered to be a final report and completes all reporting requirements under provisions of 10CFR 50.55(e) and/or 10CFR 50.21.

Very truly yours,

W. C. Spencer
Vice President - Power Station
Engineering and Construction Services

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cc: Mr. Robert L. Tedesco
Division of Licensing

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