

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

January 15, 1980

Mr. Harold R. Denton, Director
Office of Inspection and Enforcement
Attn: Mr. Darrell G. Eisenhut
Acting Director,
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 016
PO/FHT:scj
Docket No. 50-338
License No. NPF-4

Dear Mr. Denton:

North Anna Unit 1
Auxiliary Feedwater Requirements Supplemental Response

In response to your letter of September 28, 1979, Docket No. 50-338, and your telecopy of December 11, 1979, Virginia Electric and Power Company plans the following actions:

1. An additional level transmitter will be installed on the Emergency Condensate Storage Tank (ECST). This instrument will provide the operator with both ECST level indication and a low level alarm in the main control room. The alarm will be set to alert the operator of ECST low level at least twenty (20) minutes before the ECST could be emptied by the largest auxiliary feedwater (AFW) pump. This modification should be fully implemented by March 31, 1980. Delays in equipment procurement could impact this date.

Until the additional level transmitter is installed, operating personnel will be instructed on how to correlate pump suction pressure with ECST level. The operation of the AFW pump distorts suction pressure such that accurate level indication is difficult; however the suction pressure indicator is still useful to allow the operator to anticipate the need to make up water or transfer to an alternate water supply and prevent a low pump suction pressure condition from occurring.

2. Your letter of September 28, 1979, Requirements for Auxiliary Feedwater Systems, requested that an endurance test be performed on all auxiliary feedwater pumps. In our response, Serial 825/092879, dated November 2, 1979, we stated that, an endurance test of the turbine-driven auxiliary feedwater pump could be performed after the unit returned to power and steam was available.

In our letter to Mr. James P. O'Reilly, Serial No. 1179, dated December 28, 1979, we incorrectly stated that the endurance test would be performed while the unit is in Mode 3 during the post-refueling return to power.

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At this time we wish to inform you that the steam turbine-driven AFW pump will be endurance tested for 48 hours after North Anna 1 has started up. We expect the test run to be performed with the unit at approximately 25 percent power, during the steam generator boric acid soak described in our letter Serial No. 1003 dated December 10, 1979. A report of the test will be forwarded as soon as it becomes available.

3. With regards to the "D" Basis for AFW System Flow Requirements, this information is not presently available. The information is being assembled by both Westinghouse Electric Corporation and Stone and Webster Engineering Corporation. After this information is assembled and reviewed by VEPCO, it will be submitted to the NRC. We expect to submit this information by March 31, 1980.

Very truly yours,

C. M. Stallings

C. M. Stallings
Vice President-Power Supply
and Production Operations

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