

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

W. L. STEWART  
VICE PRESIDENT  
NUCLEAR OPERATIONS

March 15, 1983

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

Serial No. 110A  
NO/WDC:acm  
Docket Nos. 50-338  
50-339  
License Nos. NPF-4  
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY  
ENVIRONMENTAL QUALIFICATION OF SAFETY RELATED ELECTRICAL EQUIPMENT  
NORTH ANNA POWER STATION UNIT NOS. 1 AND 2

This letter supplements our previous letter dated March 3, 1983 (Serial No. 110) with additional information concerning the Containment Sump Wide Range and Narrow Range Level Transmitters.

With regard to Unit 1, the wide range level transmitters for the containment sumps have been replaced. These units, Gems Level Transmitters, are qualified with the criteria specified in Category I of NUREG-0588 and will be operational prior to the return of Unit 1 to power. The wide range level transmitters can be used to perform the function of the narrow range level transmitters. The narrow range level transmitters are used on a daily basis to monitor the contents of the containment sump. In the event of an accident, the narrow range transmitter span would be exceeded as the reactor coolant and Refueling Water Storage Tank contents spill to the containment floor. Therefore, the qualified wide range transmitters would become the primary means of sump level detection.

With regard to Unit 2, the narrow range level transmitters provide the initial diagnostic indication of the onset of an accident. The pressurizer level and pressure and the containment radiation monitors are environmentally qualified and would provide sufficient indication for diagnosis. Additionally, the parameters of containment pressure, temperature and humidity will aid in the diagnosis of an accident.

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VIRGINIA ELECTRIC AND POWER COMPANY TO Harold R. Denton

A Standing Order has been written to alert Operations Personnel of the status of the narrow range level transmitters and not to rely on a single parameter display. In the event of a failure of the narrow range level transmitters or the wide range level transmitters, no other safety related equipment would be affected.

The Unit 2 narrow range level transmitters will be replaced during the upcoming refueling outage which is presently scheduled for April 1983.

Very truly yours,

*W. L. Stewart*  
fn W. L. Stewart

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