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USNRO REGION
ATLANTA, GA 30302

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Virginia Electric and Power Company
North Anna Power Station, Unit 1
Docket No. 50-338

24 Hour Reportable Event
Written Follow-Up

Event: Accuracy of Steam Generator Level Indication following
a high energy line rupture
LER/RO 79-083/01T-0

Westinghouse informed Vepco that high energy line breaks inside the containment can result in the heatup of the steam generator level reference leg causing level indication to be higher than actually exists, thus delaying the protection signals that are initiated primarily by a low-low Steam Generator level.

The cause of this discrepancy is that the heating of the steam generator level reference legs following a main feedline break was not taken into account during the original Westinghouse analysis.

Westinghouse has provided the necessary data to compensate for the reference leg heatup effects following a high energy line rupture.

There is no effect on the Unit for continued operations as a result of this discrepancy because if a main feedline rupture should occur Safety Injection, reactor trip and auxiliary feedwater actuation will be initiated by Containment Hi Pressure before any significant error in steam generator level indication could occur due to reference leg heatup. The analysis is similar to a main steamline rupture which is described in Comment 6.105 of the FSAR.

The unit is presently operating in Mode 1.

All operating personnel shall be made aware of this discrepancy.

POOR ORIGINAL

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