

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

May 23, 1988

D. S. CRUDEN  
VICE PRESIDENT-NUCLEAR

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D. C. 20555

Serial No. 88-101  
NO/TAH  
Docket Nos. 50-338  
50-339  
License Nos. NPF-4  
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY  
NORTH ANNA POWER STATION UNITS 1 AND 2  
GENERIC LETTER 88-03 - RESOLUTION OF GENERIC SAFETY ISSUE 93,  
"STEAM BINDING OF AUXILIARY FEEDWATER PUMPS"

Generic Letter 98-03 requested that licensees confirm that procedures identified in the response to IE Bulletin 85-01 are still being implemented. These procedures are used to detect and take corrective actions for steam binding of Auxiliary Feedwater Pumps due to backleakage of check valves in the discharge piping between the Auxiliary Feedwater Pumps and the Steam Generators.

In response to IEB 85-01, North Anna Power Station 1) modified 1-LOG-6F (2-LOG-6F, Unit 2) to provide a surveillance of the discharge pipe temperature every 8 hours and 2) implemented 1-AP-22.9 (2-AP-22.9, Unit 2) to take required corrective actions for steam binding and to reestablish operability of the Auxiliary Feedwater Pumps if discharge piping temperatures indicate backleakage. In addition, Periodic Test (PT) procedures, PT-71.1, PT-71.2 and PT-71.3, provide instruction for monitoring the Auxiliary Feedwater Pump discharge lines prior to each monthly flow test to detect conditions that could cause the AFW pumps to become steam bound.

Although there have been no instances of Auxiliary Feedwater Pump steam binding at North Anna, these procedures and surveillance requirements will remain in effect.

The information provided in this response is true and accurate to the best of my knowledge.

Very truly yours,

  
D. S. Cruden

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cc: U. S. Nuclear Regulatory Commission  
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Mr. J. L. Caldwell  
NRC Senior Resident Inspector  
North Anna Power Station