

VIRGINIA ELECTRIC AND POWER COMPANY

RICHMOND, VIRGINIA 23261

February 20, 1997

Document Control Desk
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 97-105
NAPS/JHL
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
SAFETY-RELATED MOTOR-OPERATED VALVE
TESTING AND SURVEILLANCE - GENERIC LETTER 89-10

During the weeks of January 6 and January 13, 1997, the NRC performed an inspection of the motor-operated valve program against the criteria of Generic Letter 89-10 at North Anna Power Station. During the NRC exit meeting, Mr. E. H. Girard indicated that the Temporary Instruction 2515/109 for Generic Letter 89-10 could be closed if a commitment was made to validate design basis calculations for a representative sample of each type of butterfly valve. Various methods discussed to validate design basis calculations included: 1) locating industry test data that supports our design basis calculations, 2) performing the EPRI Performance Prediction Model for the valves, or 3) performing instrumented differential pressure testing.

We commit to validate our design basis calculational methodology for motor-operated butterfly valves by a combination of testing and/or performing the EPRI Performance Prediction Model. Specifically, we plan to perform instrumented differential pressure testing on one 18-inch Contromatics valve and one 24-inch Contromatics valve. This testing will be performed by the end of the 1997 Unit 1 refueling outage. In addition, we plan to apply the EPRI Performance Prediction Model on four representative Allis-Chalmers valves by the end of 1997 or perform instrumented differential pressure testing of the valves by the end of the Spring 1998 Unit 2 refueling outage.

We will inform you of the test results on the two Contromatics valves in validating our design basis calculational methodology, and the status of applying the EPRI Performance Prediction Model on the four Allis-Chalmers valves or the need to perform instrumented differential pressure testing by December 31, 1997.

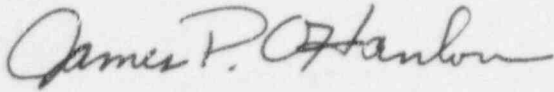
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If you have any questions regarding these commitments, please contact us.

Very truly yours,

A handwritten signature in cursive script, reading "James P. O'Hanlon".

James P. O'Hanlon
Senior Vice President - Nuclear

Attachment

Commitments made by this letter:

1. Summarized in the Attachment to this letter.

cc: U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N. W.
Suite 2900
Atlanta, Georgia 30323

Mr. R. D. McWhorter
NRC Senior Resident Inspector
North Anna Power Station

Attachment
**Commitments made in Virginia Electric and Power Company
Letter Serial No. 97-105**

1. We plan to perform instrumented differential pressure testing on one 18 inch Contromatics valve and one 24 inch Contromatics valve. This testing will be performed by the end of the 1997 Unit 1 refueling outage. In addition, we plan to apply the EPRI Performance Prediction Model on four representative Allis-Chalmers valves by the end of 1997 or perform instrumented differential pressure testing of the valves by the end of the Spring 1998 Unit 2 refueling outage.
2. We will inform you of the test results on the two Contromatics valves in validating our design basis calculational methodology and the status of applying the EPRI Performance Prediction Model on the four Allis-Chalmers valves or the need to perform instrumented differential pressure testing by December 31, 1997.