

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

January 31, 1985

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

Serial No. 696A
EC:BSD:baj:2003N
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA UNIT NOS. 1 AND 2
GENERAL DESIGN CRITERIA 17 ANALYSIS

Your letter of November 13, 1984, provided a revised and updated Safety Evaluation for North Anna Units 1 and 2 with relation to GDC-17. In that letter, it was requested that the NRC be kept apprised of the status of the motor control center contactor coils until such time that the final report regarding this matter is submitted for NRC review.

In our letter of July 7, 1983 (Serial No. 326), Veeco stated that tests would be performed on motor control center contactor coils to determine the effects of overvoltage. Based on our presently available information we anticipate the test report will be available to Veeco in February, 1985. Based on the receipt of the report in February, Veeco will submit the results to you in March, 1985.

Based on the aging which has been completed, the life of the contactor coils exceeds 10 years. We do anticipate that the replacement of some size 1 coils may be required at some future date. Since most loads fed from size 1 starters operate intermittently and operate less than 20 percent of the time, most size 1 coils will not require replacement. A review of the duty cycle of size 1 contactors has been performed. The preliminary results indicate 79% of the size 1 coils will not require replacement, 16% will require replacement every 20 years and 5% will require replacement every 10 years.

We will continue to provide you with updates on the motor control center contactor coil test results per your request.

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P PDR

Very truly yours,
W. L. Stewart
W. L. Stewart

BSD/WLS/baj

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VIRGINIA ELECTRIC AND POWER COMPANY TO

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

Mr. M. W. Branch
NRC Resident Inspector
North Anna Power Station