VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

June 28, 1984

Mr. James P. O'Reilly
Regional Administrator
Region II
US Nuclear Regulatory Commission
101 Marietta Street, NW
Atlanta, Georgia 30303

Serial No: 342
NO/JLW:lms
Docket Nos: 50-280
50-281
License No. DPR-32
DPR-37

Dear Mr. O'Reilly:

SURRY POWER STATION
SUPPLEMENTAL RESPONSE TO IE BULLETIN 79-25
FAILURES OF WESTINGHOUSE BFD RELAYS IN SAFETY RELATED SYSTEMS

In Vepco's response to IE Bulletin 79-25 dated December 19, 1979, we committed to a certain course of action for Surry Power Station (North Anna Power Station was not affected). Specifically, Vepco committed to:

a. Replace affected units through the Design Change Program, and, following replacement, accomplish performance tests to verify logic and relay operability.

b. Continue to conduct monthly logic testing on safety-related systems in accordance with Technical Specifications.

c. Replace relays in accordance with approved procedures, modified to include testing of new relays for armature overtravel and undertravel.

d. During the course of the replacement program, record and report defective relays and generate and forward a final report with result of all testing.

The status of these commitments is as follows:

a. Affected relays were replaced by accomplishment of Design Change 80-06, "Replacing Westinghouse BFD Relays in Safety-Related Systems". Unit 2 was completed July 16, 1980 and Unit 1 was completed May 18, 1981.

b. Monthly logic testing in accordance with Technical Specifications is continuing.

c. Relays were replaced in accordance with an approved Design Change, as stated above. Replacement relays were inspected and tested to verify adequate armature overtravel in accordance with approved Special Test 82. Relays which were removed were not tested, but

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simply removed and replaced. Electrical Maintenance Procedure EMP-C-RT-24 has been revised to include checking armature overtravel when replacing faulty relays. Insufficient overtravel (undertravel) is basis for rejection of a replacement relay.

d. During the course of replacement, 332 Westinghouse BFD relays were tested. Four relays failed to exhibit sufficient contact overtravel as defined by Westinghouse Technical Bulletin NSD-TB-79-05. These relays were removed from stock. Currently, all BFD relays in service in safety-related systems are either coil #1271C50G01 or #1293C51G01 (later changed for date code verification of relays manufactured after October 29, 1981.

Very truly yours,

W. L. Stewart

cc: Mr. D. J. Burke
NRC Resident Inspector
Surry Power Station