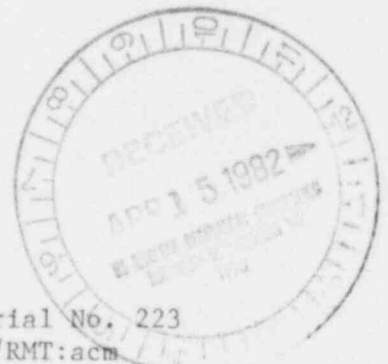


VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261



R. H. LEASBURG
VICE PRESIDENT
NUCLEAR OPERATIONS

April 7, 1982

Mr. James P. O'Reilly
Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Serial No. 223
NO/RMT:acm
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Dear Sir:

Under the provisions of the Technical Specifications and 10 CFR 21, NRC Region II was notified on April 2, 1982 that a potential significant deficiency or substantial safety hazard existed at North Anna Unit Nos. 1 and 2.

In accordance with the reporting requirements of 10 CFR 21, the following information is submitted:

A. Name and address of reporting individual:

Mr. R. H. Leasburg, Vice President
Nuclear Operations
Virginia Electric and Power Company
P. O. Box 26666
Richmond, Virginia 23261

B. Facility, activity, and/or component affected:

North Anna Power Station, Units 1 & 2
Latching Relays In The Solid State Protection System.

C. Name of firm supplying the component.

Westinghouse Corporation
1111 Schilling Road
Hunt Valley, Maryland 21030

D. Description of defect, deficiency, or failure to comply:

During a background information search on North Anna's Solid State Protection System Output Cabinet Relays it was discovered that two types of latches were being used. One type was an electromechanical latch (catalog number: ARLA, style number: 4993D05G06) the other a permanent magnet latch (catalog number: ARMLA, style number: 2604D30G04). Additional information concerning those latches was requested from Westinghouse. This inquiry resulted in our Westinghouse parts supplier in Richmond stating that the electromechanical latch is no longer manufactured and that the permanent magnet latch is the proper latch to use as a replacement. The onsite Westinghouse representative informed the North Anna Engineering Staff that the permanent magnet latch was never qualified for Category 1 use. This fact initiated a check into how many

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permanent magnet latches are in service at the present time. On each train of both units the K616, K623 and K647 relays were found to have the unqualified latches in place. A Deviation Report was written to notify Station Management of this condition.

Those latching devices do not prevent an ESF actuation. The purpose of these latching devices is to maintain contact position of the Solid State Protection System output relays after an ESF actuation signal. The latching device is to maintain contact position after the actuation signal is cleared and until the latching device is reset.

E. Date of discovery:

April 2, 1982

F. Similar components, activities, or services:

None

G. Corrective Action which has been, or is being or will be taken, the individual responsible and the length of time to complete the action.

An investigation is being conducted to determine if there are any relays with ARLA latching devices which are installed in the SSPS but are not presently being used. If any of these latches are identified, they may be used to replace the ARMLA latches. In addition, other qualified replacement relays (Potter-Brumfield rotary latch relay) are being ordered. This new relay is an integral unit which will replace both the primary AR relay and its associated ARLA/ARMLA latching device.

It is planned to replace the ARMLA latches prior to the end of the present refueling outage on Unit 2 and during the refueling outage on Unit 1 which is scheduled to begin prior to June 1, 1982.

H. Other Information:

None.

Should you require any further information, please contact this office.

Very truly yours,

R. H. Leasburg
for R. H. Leasburg

cc: Director, Office of Inspection and Enforcement (3 copies)
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555