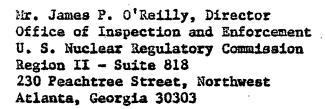
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VIRGINIA ELECTRIC AND POWER COMPANY

RICHMOND, VIRGINIA 23261

January 9, 1978



Serial No. 623
PO&M/DLB:das
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Dear Mr. O'Reilly:

Pursuant to Surry Power Station Technical Specification 6.6.2.b.(2), the Virginia Electric and Power Company hereby submits the following Licensee Event Reports for Surry Unit No. 1.

LER-77-021/03L-0 LER-77-022/03L-0

The substance of these reports has been reviewed by the Station Nuclear Safety and Operating Committee and will be placed on the agenda for the next meeting of the System Nuclear Safety and Operating Committee.

Very truly yours,

C. M. Stallings Vice President - Power Supply and Production Operations

To. M. Stalling

Enclosures (3 copies)

cc: Dr. Ernst Volgenau, Director 40 copies / Office of Inspection and Enforcement

Mr. William G. McDonald, Director 3 copies Office of Management Information and Program Control

LER 77-022/03-L-0

Virginia Electric & Power Station Surry Power Station, Unit 1 Docket No. 50-280 Event Date: 12-16-77

During normal operations, a routine test of "A" Steam Generator

Level Protection Channel II, disclosed that comparator LC-1-474B would not

trip. The health and safety of the public were not affected because two

level channels remained operative as required by Technical Specification 3.7.

This is reported as required by Technical Specification 6.6.2.b.(2).

The failure was caused by two capacitors which failed to open in the Westinghouse Hagan Comparator Power Supply Model 3111256E. Since these capacitors have an expected life of 10 to 20 years, and these failed capacitors have been in use approximately six years, the most probable cause of failure was due to aging. As indicated in a Westinghouse Technical Bulletin (NSD-TB-75-14) dated October 21, 1975, these capacitors have no specific problem of a generic nature. However, Westinghouse does recommend that these capacitors be replaced with a premium grade or tantalum capacitor, presently available, on an as-failed basis, instead of a general capacitor replacement program. This criteria is presently observed at Surry.

NAME OF PREPARER ___

LER 77 - 0 2 1 / 03-L-0

Virginia Electric & Power Company Surry Power Station Docket No. 50-280 Event Date: 12-9-77

With the unit in operation at rated power, routine sampling of "A" Boric Acid Storage Tank (BAST A) revealed that the tank was at a concentration of 11.5%. This is within the band permitted by Technical Specification 3.2.B. To enrich the boron concentration, it was decided to sluice part of BAST A contents to the batch tank for addition of dry boric acid. The resultant mix would then be added to the recirculation path at the boric acid pump suction. While the sluice was in progress a back-up sample was reported as 11.4% concentration. Upon completion of the sluicing operation BAST A was sampled and found to be 11.7%. A subsequent sample was analyzed at 11.3%. The event is reported as required by Technical Specification 6.6.2.b (2).

The lowered concentration in "A" BAST was believed to be attributable to uncertainties in the analytical measurement procedure in that \pm 1% is the expected accuracy. Subsequent samples documented a steady concentration with no apparent dilution source.

The health and safety of the general public were not affected by this event.