VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

February 11, 1976

Mr. Norman C. Moseley, Director
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Region II - Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

Serial No. 677-S
PO&M/ALH:clw

Docket Nos. 50-280
License Nos. DPR-32

Dear Mr. Moseley:

Pursuant to Surry Power Station Technical Specification 6.6.B.1, the Virginia Electric and Power Company hereby submits forty (40) copies of Updated Abnormal Occurrence Report No. AO-S1-75-16.

The substance of this report 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,

W. L. Proffitt for

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

Enclosures
40 copies of AO-S1-75-16

cc: Mr. Robert W. Reid

1774

LICENSEE EVENT REPORT

Updated Report
AO-S1-75-16

CONTROL BLOCK: [ ] (1–6)

(PLEASE PRINT ALL REQUIRED INFORMATION)

	LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01	VASPS1	00-00000-00	4110	01
(7–8, 9–14)		(15–25)	(26–30)	(31–32)

	CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01 CONT	P	0	L	050-280	082275	020276
(7–8)	(57–58)	(59)	(60)	(61–68)	(69–74)	(75–80)

EVENT DESCRIPTION

02 Technical Specification 2.3 was violated on August 22, 1975 and again on August 23,
03 1975 when Channel II $\Delta T/T_{avg}$ protection drifted in the nonconservative direction
04 (AO-S1-75-16).
05
06

	SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
07	IA	E	VALVEX	N	X999	Y
(7–8, 9–10)		(11)	(12–17)	(43)	(44–47)	(48)

CAUSE DESCRIPTION

08 The apparent mode of failure is moisture accumulation between sensor insulation and
09 the copper lead wire due to inleakage from the terminal lug end of the RTD. Review
10 by prime component supplier (Westinghouse) and the component manufacturer (con't)

	FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
11	E	098	N/A	A	N/A
(7–8)	(9)	(10–12)	(13–44)	(45)	(46–80)

	FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
12	Z	Z	N/A	N/A
(7–8)	(9)	(10)	(11–44)	(45–80)

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION
13	000	Z	N/A
(7–8)	(9–11)	(12)	(13–80)

PERSONNEL INJURIES

	NUMBER	DESCRIPTION
14	000	N/A
(7–8)	(9–11)	(12–80)

OFFSITE CONSEQUENCES

15 N/A

LOSS OR DAMAGE TO FACILITY

	TYPE	DESCRIPTION
16	Z	N/A
(7–8)	(9)	(10–80)

PUBLICITY

17 N/A

ADDITIONAL FACTORS

18
19

NAME: E. M. Sweeney, Jr. PHONE: (804) 357-3184

GPO 881-667

CAUSE DESCRIPTION (con't)

(Rosemount) has not provided a complete solution to the problem of RTD failure upon steam/water impingement. However, a RTD of revised internal construction is now available which is designed to have better resistance to water intrusion. Accordingly, all RTD's on Unit No. 1 were replaced with the improved version during its refueling outage. A similar replacement will be made on Unit No. 2 during its next refueling outage. The performance of the new RTD's will continue to be assessed and evaluated during subsequent operation.