

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

October 17, 1975



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. 738
PO&M/JTB:clw
Docket No. 50-281
License No. DPR-37

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 Abnormal Occurrence Report No. A0-S2-75-17.

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,

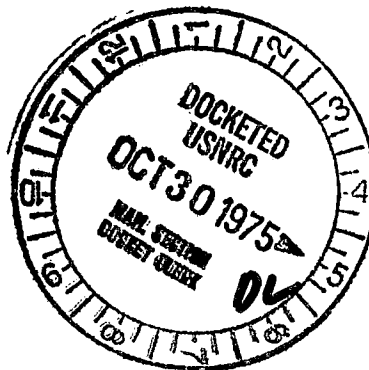
C. M. Stallings

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

Enclosures

40 copies of A0-S2-75-17

cc: Mr. Robert W. Reid



12532

LICENSEE EVENT REPORT

AO-S2-75-17

CONTROL BLOCK: 1

Regulatory Docket File

[PLEASE PRINT ALL REQUIRED INFORMATION]

Received w/ Lic. Expiry Date 10-30-75

LICENSEE NAME														LICENSE NUMBER												LICENSE TYPE					EVENT TYPE	
01	V	A	S	P	S	2	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	0	0	1								
7	8	9	14	15	25	26	30	31	32																							
01 CONT		CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER					EVENT DATE				REPORT DATE																	
01	P	0	T	L	0	5	0	-	0	2	8	1	1	0	0	3	7	5	1	0	1	4	7	5								
7	8	57	58	59	60	61	68	69	74	75	80																					

EVENT DESCRIPTION

02	During normal operation, the Loop "C" hot leg RTD failed low, causing the protection																																																																															
03	ΔT and T _{avg} signals to fail low. This is in violation of Technical Specification 2.3.																																																																															
04	The unit was ramped down until the affected channel could be placed in the trip mode.																																																																															
05	The redundant channels were operable. (AO-S2-75-17)																																																																															
06																																																																																

SYSTEM CODE		CAUSE CODE		COMPONENT CODE					PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER			VIOLATION		
07	I	A	E	I	N	S	T	R	U	N	R	3	7	0	Y	
7	8	9	10	11	12	13	14	15	16	17	43	44	45	46	47	48

CAUSE DESCRIPTION

08	An investigation revealed that the ohmic characteristics of both the connected RTD and																																																																															
09	the installed spare were incorrect. The unit was operated with the channel in trip																																																																															
10	until Oct. 10, 1975, at which time the unit was brought to cold shutdown. (Con't)																																																																															

FACILITY STATUS		% POWER		OTHER STATUS				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION			
11	E	1	0	0	N/A	A	N/A						
7	8	9	10	11	12	13	14	15	16	17	18	19	20

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	12	13	14	15	16	17	18	19	20

PERSONNEL EXPOSURES

NUMBER		TYPE		DESCRIPTION	
13	0	0	0	Z	N/A
7	8	9	11	12	13

PERSONNEL INJURIES

NUMBER		DESCRIPTION		
14	0	0	0	N/A
7	8	9	11	12

OFFSITE CONSEQUENCES

15	N/A																																																																															
7	8	9	80																																																																													

LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION	
16	Z	N/A	
7	8	9	10

PUBLICITY

17	N/A																																																																															
7	8	9	80																																																																													

ADDITIONAL FACTORS

18	The health and safety of the public were not affected by this occurrence.																																																																															
7	8	9	80																																																																													

19																																																																																
7	8	9	80																																																																													

NAME: E. M. Sweeney, Jr.

PHONE: (804) 357-3184

CAUSE DESCRIPTION (con't)

Steam/water leaks had saturated the instruments. Both failed instruments were replaced, the channel tested and placed into service. Rosemount Engineering Company manufactured the equipment (Model 176KF).