

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

October 17, 1975

Regulatory

File Cy

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. AO-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,

Original Signed By

**C. M. STALLINGS**

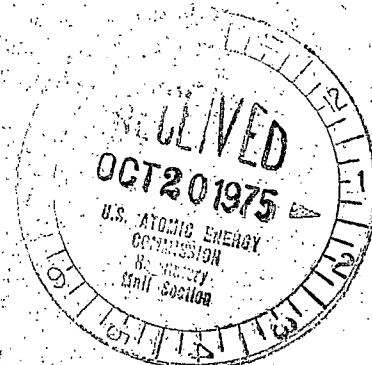
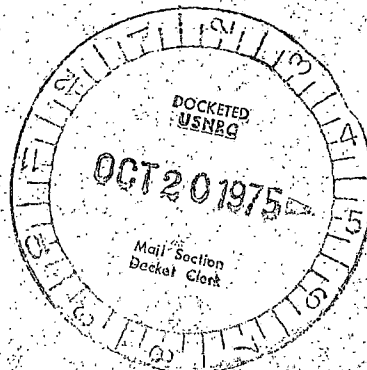
C. M. Stallings

Vice President-Power Supply  
and Production Operations

Enclosures

40 copies of AO-S2-75-17

cc: Mr. Robert W. Reid ✓



12183

# LICENSEE EVENT REPORT

AO-S2-75-17

CONTROL BLOCK: 

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(PLEASE PRINT ALL REQUIRED INFORMATION)

*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																	
CATEGORY			REPORT TYPE		REPORT SOURCE		DOCKET NUMBER					EVENT DATE					REPORT DATE									
01	CON'T	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																							80
03	ΔT and T <sub>avg</sub> signals to fail low. This is in violation of Technical Specification 2.3.																							80
04	The unit was ramped down until the affected channel could be placed in the trip mode.																							80
05	The redundant channels were operable. (AO-S2-75-17)																							80
06																								80

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	17	43	44	47	48					

## CAUSE DESCRIPTION

08	An investigation revealed that the ohmic characteristics of both the connected RTD and																							80
09	the installed spare were incorrect. The unit was operated with the channel in trip																							80
10	until Oct. 10, 1975, at which time the unit was brought to cold shutdown. (Con't)																							80

FACILITY STATUS		% POWER			OTHER STATUS			METHOD OF DISCOVERY		DISCOVERY DESCRIPTION				
11	E	1	0	0	N/A	A	N/A							
7	8	9	10	12	13	44	45	46						

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							

## 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																							80
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## LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION						
16	Z	N/A						
7	8	9	10					

## PUBLICITY

17	N/A																							80
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## ADDITIONAL FACTORS

18	The health and safety of the public were not affected by this occurrence.																							80
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19																								80
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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).