

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

July 21, 1976

Mr. Norman G. Moseley, Director  
Directorate of Regulatory Operations  
United States Atomic Energy Commission  
Region II - Suite 818  
230 Peachtree Street, Northwest  
Atlanta, Georgia 30303

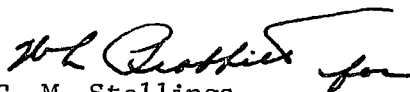
Serial No. 150  
PO&M/LJC:jlf  
Docket No. 50-281  
License No. DPR-37

Dear Mr. Moseley:

Pursuant to Surry Power Station Technical Specification 6.6.B.2, the Virginia Electric and Power Company hereby submits a copy of Licensee Event Report No. USRE-S2-76-11.

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,

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

Enclosure

cc: Mr. Robert W. Reid, Chief (40 copies)  
Operating Reactors Branch 4

# LICENSEE EVENT REPORT

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	3	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
CATEGORY		REPORT TYPE		REPORT SOURCE		DOCKET NUMBER						EVENT DATE				REPORT DATE									
01	CON'T	M	I	L	L	0	5	0	-	0	2	8	1	0	6	2	6	7	6	0	7	1	9	7	6
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

## EVENT DESCRIPTION

02	During a normal operating shift it was found that the Nuclear Instrumentation System																							80
03	(NIS) Power Range Channel N42 deviated from channels N41, N43, and N44 by 3% in the non-																							80
04	conservative direction. This caused the channel to be low by 3%, thereby requiring a																							80
05	flux of 110% to cause a trip on this channel. This is contrary to Technical Specifica-																							80
06	tion 2.3 which requires a setpoint of 109% and is reportable per T.S.6.6.2b(2).																							80
(USRE-S2-76-11)																								

SYSTEM CODE		CAUSE CODE		COMPONENT CODE						PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER				VIOLATION									
07	Z	Z	F	I	N	S	T	R	U	A	W	1	2	0	N										
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

## CAUSE DESCRIPTION

08	The immediate corrective action taken was to place Channel N42 in the trip mode. The																							80
09	unit continued to operate on the remaining three power range channels. The accuracy																							80
10	of these channels had been checked against a heat balance at the beginning of the shift.																							80
(Con't)																								

FACILITY STATUS		% POWER			OTHER STATUS				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION														
11	E	1	0	0	N/A	B	N/A																		
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

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	21	22	23	24	25	26	27	28	29	30	31	32

## PERSONNEL EXPOSURES

NUMBER		TYPE		DESCRIPTION		
13	0	0	0	Z	N/A	
7	8	9	10	11	12	13

## PERSONNEL INJURIES

NUMBER		DESCRIPTION			
14	0	0	0	N/A	
7	8	9	10	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 event because the three																							80
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19	remaining power range channels were operable, accurate and provided the required (Con't)																							80
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NAME: T. L. Baucom

PHONE: (804) 357-3184

CAUSE DESCRIPTION (CONTINUED)

The output of the level and summing amplifier of channel N42 was found to have drifted low by a proportional voltage. The channel was calibrated according to procedure and placed back on the line. It has since operated satisfactorily.

Since this is the first known failure of this particular circuit, no further action is deemed necessary at this time.

The NIS System is provided by Westinghouse.

ADDITIONAL FACTORS (CONTINUED)

degree of redundance necessary to operate the unit.