

50-261

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

TO: Mr Moseley

FROM: Carolina Pwr & Light Co
Raleigh, NC
H R Banks

DATE OF DOCUMENT

5-10-76

DATE RECEIVED

5-12-76

☒ LETTER☐ NOTORIZED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

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one signed

DESCRIPTION

Ltrfrans the following licensee event rpt:

ENCLOSURE

RO-76-11 on 4-12-76 concerning tripping of
"B" Boric Acid Transfer Pump due to high
high pump temeperature cutout.....

PLANT NAME: Brunswick #2

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED
SEND DIRECTLY TO KREGER/J. COLLINS

SAFETY

FOR ACTION/INFORMATION

ENVIRO 5-13-76 ehf

BRANCH CHIEF:

Reid

W/3 CYS FOR ACTION

LIC. ASST:

Ingram

W/1 CYS

ACRS 16 CYS HOLDING/SENT TO LA

INTERNAL DISTRIBUTION

REG FILE

NRC PDR

I & E (2)

MIPC (3)

SCHROEDER/IPPOLITO

HOUSTON

NOVAK/CHECK

GRIMES/SCHWENCER

CASE

F. WILLIAMS

HANAUER

TEDESCO/MACCARY

EISENHUT

BAER

SHAO

VOLLMER/BUNCH

KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

LPDR: Hartsville, SC

TIC

NSIC

CONTROL NUMBER

4794



Carolina Power & Light Company

May 10, 1976

File: NG-3513 (R)

Serial: NG-76-668

Mr. Norman C. Moseley, Director
U. S. Nuclear Regulatory Commission
Region II, Suite 818
230 Peachtree Street, N.W.
Atlanta, Georgia 30303

Dear Mr. Moseley:

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET 50-261
LICENSE NO. DPR-29
LICENSEE EVENT REPORT 76-11

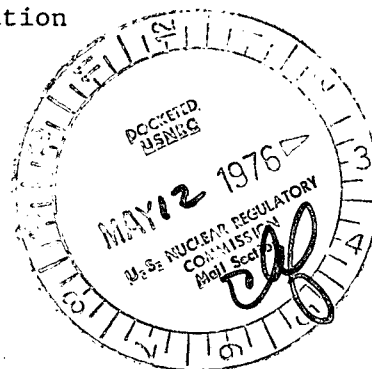
In accordance with Section 6.9.2.b of the Technical Specifications for the H. B. Robinson Steam Electric Plant, Unit 2, the attached Licensee Event Report is submitted. This report fulfills the requirement for a written report within thirty (30) days of a reportable occurrence and is in accordance with the format set forth in Regulatory Guide 1.16, Revision 4.

Yours very truly,

H. R. Banks
Manager
Nuclear Generation

CSB:jwk
Attachment

cc: Messrs. W. G. McDonald
E. Volgenan



4794

LICENSEE EVENT REPORT

CONTROL BLOCK:

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME														LICENSE NUMBER												LICENSE TYPE				EVENT TYPE					
01	S	C	H	B	R	2									0	0	-	0	0	0	0	-	0	0	4	1	1	1	0	0	3				
7	8	9				14	15									25	26				30	31	32												
01		CONT		CATEGORY		REPORT TYPE		REPORT SOURCE		DOCKET NUMBER								EVENT DATE				REPORT DATE													
01				57	58	L	L									0	5	0	-	0	2	6	1	0	4	1	2	7	6	0	5	1	0	7	6
7	8				57	58	59	60	61									68	69				74	75				80							

EVENT DESCRIPTION

02	During normal operation "B" Boric Acid Transfer Pump tripped due to high pump																																																																															
03	temperature cutout. Unit was operating at 100% power with "A" Pump available.																																																																															
04	Heat tracing circuits for the pump enclosure were found at maximum. Settings																																																																															
05	were returned to normal and the pump returned to service. No previous																																																																															
06	occurrences of this nature have occurred. (HBR2 RO 76-11)																																																																															

SYSTEM CODE		CAUSE CODE		COMPONENT CODE								PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER				VIOLATION			
07	C	J	A	H E A T E R								N	T 1 8 5				N				
7	8	9	10	11	12									17	43					47	48

CAUSE DESCRIPTION

08	Circuits EP2 (primary) and ES2 (secondary) for heater strips in "B" Boric Acid																																																																															
09	Transfer Pump enclosure were found set at 250°F (maximum). This heat plus the																																																																															
10	normal heat generated by the canned motor pump caused trip due to high pump motor																																																																															
	temperature.																																																																															

FACILITY STATUS		% POWER		OTHER STATUS								METHOD OF DISCOVERY		DISCOVERY DESCRIPTION														
11	E	1 0 0		NA								A	NA															
7	8	9	10	11	12	13									44	45	46											80
FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY								LOCATION OF RELEASE																
12	Z	Z		NA								NA																
7	8	9	10	11	12	13									44	45											80	

PERSONNEL EXPOSURES

NUMBER		TYPE		DESCRIPTION																																																																																
13	0	0	0	Z	NA																																																																															
7	8	9	11	12	13																																																																															80

PERSONNEL INJURIES

NUMBER		DESCRIPTION																																																																																	
14	0	0	0	NA																																																																															
7	8	9	11	12																																																																															80

OFFSITE CONSEQUENCES

15	NA																																																																																		
7	8	9																																																																																	80

LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION																																																																																
16	Z	NA																																																																																
7	8	9	10																																																																															80

PUBLICITY

17	NA																																																																																		
7	8	9																																																																																	80

ADDITIONAL FACTORS

18	Cause Description (Cont'd): Setpoints were reduced to approximately 175°F																																																																															
19	and pump returned to service.																																																																															

NAME: _____ PHONE: 803-332-1351

sla

SUPPLEMENTAL INFORMATION FOR
REPORTABLE OCCURRENCE 76-11

1. Report No.: 50-261/76-11
- 2a. Report Date: April 23, 1976
- 2b. Occurrence Date: April 12, 1976
3. Facility: H. B. Robinson SEG Plant
Hartsville, South Carolina 29550

4. Identification of Occurrence:

While operating at 100% power, "B" Boric Acid Transfer Pump tripped with the control switch in the run position. This constitutes a reportable occurrence as defined by Technical Specification 6.9.2.b.2.

5. Conditions Prior to Occurrence:

The reactor was at 100% power with all conditions normal. "A" and "B" Boric Acid Storage Tanks were being recirculated in preparation for obtaining samples.

6. Description of Occurrence:

At 0821 hours "B" Boric Acid Transfer Pump was found stopped. Approximately one minute prior to this time the pump had been observed in operation. "A" Boric Acid transfer Pump was operable and running at the time of the occurrence.

7. Designation of Apparent Cause of Occurrence:

An inspection of the "B" Pump revealed it had apparently tripped due to high thermal cutout of the pump motor. Examination of the thermostats for the primary (EP2) and secondary (ES2) circuits for the pump enclosure heater strips revealed that they were set at maximum (250°F). The combination heat from the heater strips and the canned motor pump resulted in the motor stator high temperature setpoint being exceeded.

8. Analysis of Occurrence:

The high thermostat settings were the probable result of trying to offset heat losses from the pump enclosure which did not completely cover the pump at the time of the occurrence. At the time of the pump trip and during the period of investigation, "A" Boric Acid Transfer Pump was operable and capable of providing the necessary supply of boric acid for any normal or emergency condition. At no time was there any threat to the health and safety of the public. The pump was returned to service within the time period allowed by the facility Technical Specifications.

9. Corrective Action:

The thermostats for the heater strips were lowered to the normal settings, and the pump enclosure was covered with certified asbestos cloth to reduce heat losses. Once the thermostats were reset, the pump was checked and verified to operate properly, however, to ensure a complete check of the pump for possible damage, it was replaced with a spare pump from stock. The pump was declared operational at 2312 hours on April 12, 1976. Subsequent inspection of the pump which had tripped revealed no damage, and the pump was rebuilt and returned to stock.

10. Failure Data:

No previous failure of this type occurred.



Carolina Power & Light Company

May 10, 1976

File: NG-3513 (R)

Serial: NG-76-668

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Region II, Suite 818
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DOCKET 50-261
LICENSE NO. DPR-29
LICENSEE EVENT REPORT 76-11

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LICENSEE NAME														LICENSE NUMBER														LICENSE TYPE				EVENT TYPE	
01	S	C	H	B	R	2	0	0	-	0	0	0	0	-	0	0	4	1	1	1	0	0	3										
7	8	9				14	15									25	26					30	31	32									

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER						EVENT DATE				REPORT DATE										
01	CONT		L	L	0	5	0	-	0	2	6	1	0	4	1	2	7	6	0	5	1	0	7	6
7	8	57	58	59	60	61					68	69					74	75					80	

EVENT DESCRIPTION

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06	occurrences of this nature have occurred. (HBR2 RO 76-11)																							80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER				VIOLATION	
07	C	J	A	H	E	A	T	E	R	N	T	1	8	5	N
7	8	9	10	11	12				17	43	44			47	48

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FACILITY STATUS		% POWER		OTHER STATUS				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION			
11	E	1	0	0	NA	A	NA	NA	NA	NA	NA	NA	
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	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	8	9	10	11			44	45			80

PERSONNEL EXPOSURES

NUMBER		TYPE		DESCRIPTION				
13	0	0	0	Z	NA			
7	8	9	11	12	13			80

PERSONNEL INJURIES

NUMBER		DESCRIPTION					
14	0	0	0	NA			
7	8	9	11	12			80

OFFSITE CONSEQUENCES

15	NA												80
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LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION			
16	Z	NA			
7	8	9	10		80

PUBLICITY

17	NA												80
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