

50-261

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

TO:

Mr. Norman C. Moseley

FROM:

Carolina Power & Light Company
Raleigh, North Carolina
H. R. Banks

DATE OF DOCUMENT

11/16/76

DATE RECEIVED

11/18/76

☒ LETTER☐ NOTORIZED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

☐ ORIGINAL☒ UNCLASSIFIED☒ COPY

One signed copy

DESCRIPTION

Ltr. trans the following:

ACKNOWLEDGED

DO NOT REMOVE

(1-P)

ENCLOSURE

Licensee Event Report (RO 50-261/76-18) on
10/18/76 concerning "B" Boric Acid Transfer
Pump being tripped by its high temperature
cutout.

(3-P)

PLANT NAME:

H. B. Robinson #2

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

FOR ACTION/INFORMATION 11/18/76

RJL

☒ BRANCH CHIEF:

Reid

☒ W/3 CYS FOR ACTION☒ LIC. ASST.:

Ingram

☒ W/ CYS☒ ACRS 16 CYS HOLDING/SENT TO *Car. P. (11/18/76)*

INTERNAL DISTRIBUTION

☒ REG FILE☒ NRC PDR☒ I & E (2)☒ MIPC☒ SCHROEDER/IPPOLITO☒ HOUSTON☒ NOVAK/CHECK☒ GRIMES☒ CASE☒ BUTLER☒ HANAUER☒ TEDESCO/MACCARY☒ EISENHUT☒ BAER☒ SHAO☒ VOLLMER/FUNCH☒ KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

☒ LPDR:Hartsville, S.C.☒ TIC:☒ NSIC:

CONTROL NUMBER

11749

a/y



Carolina Power & Light Company

November 16, 1976

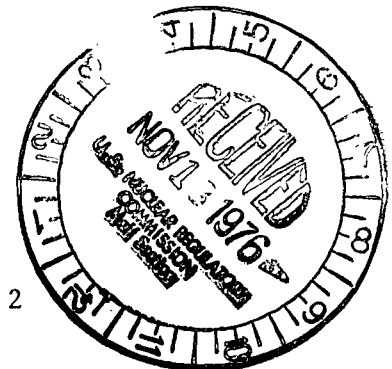
FILE: NG-3513 (R)

SERIAL: NG-76-1485

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-23
LICENSEE EVENT REPORT 76-18



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.

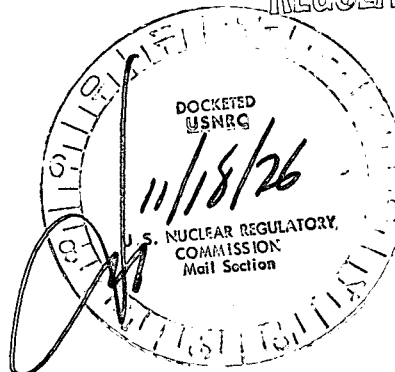
Yours very truly,

H. R. Banks
Manager
Nuclear Generation

CSB:dmc

Attachment

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



REGULATORY DOCKET FILE COPY

11749

LICENSEE EVENT REPORT

CONTROL BLOCK:

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1 6

[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

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER						EVENT DATE				REPORT DATE										
01	CON'T		L	L	0	5	0	-	0	2	6	1	1	0	1	8	7	6	1	1	1	6	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 was tripped by its high	80
03	temperature cutout. Also when the pump was restarted, the discharge pressure indi-	80
04	cation was low. Unit was operating at 100% power with "A" Boric Acid Transfer Pump	80
05	available. Pump was repaired, tested satisfactorily, and put back in service.	80
06		80
	PRIME	80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE						PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER				VIOLATION	
0	7	P	C	E	M	O	T	O	R	X	N	C	6	6	5	N	
7	8	9	10	11	12					17	43	44				47	48

CAUSE DESCRIPTION

08	The high temperature trip was caused by a defective stator and worn bearings. The	80
09	low discharge pressure indication was caused by a faulty pressure gauge.	80
10		80

FACILITY STATUS		% POWER			OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
1	1	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	
1	2	Z		NA		NA	
7	8	9	10	11	44	45	80

PERSONNEL EXPOSURES

NUMBER				TYPE	DESCRIPTION
1	3	0	0	0	Z NA

PERSONNEL INJURIES

NUMBER			DESCRIPTION
14	000		NA

OFFSITE CONSEQUENCES

[illegible]

LOSS OR DAMAGE TO FACILITY

TYPE			DESCRIPTION
1	6	Z	NA

PUBLICITY*

1	7	NA
7	8	9
		80

ADDITIONAL FACTORS

18	Event Description (continued)	Similar occurrence took place on Jan. 2, 1976.
7	8	9
		80

(HBR2 RO 76-18)

7 8 9 80

NAME: J. B. McGirt

PHONE: (803) 332-1351

1. Report No: 50-261/76-18

2. Report Date:

2b. Occurrence Date: October 18, 1976

3. Facility: H. B. Robinson SEG Plant, Hartsville, S. C. 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. Condition 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 0708 'B' Boric Acid Transfer Pump was found stopped after being started at 0700. The pump was restarted at 0715 to check the discharge pressure and noise level. The noise level was normal but the discharge pressure was low. Thus the pump was taken out of service. '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 that it had been tripped by the high temperature cutout on the pump motor. This fact was discovered when the heat tracing recorder charts were checked. They showed that at the time of the trip the temperature of the pump's motor was above the 250°F limit.

8. Analysis of Occurrence:

The high motor temperature was found to be caused by a defective stator. The low pressure indication was caused by a faulty pressure gage. 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's technical specifications.

9. Corrective Action:

The defective stator, plus the worn front and rear bearings, and the faulty pressure gage were replaced; and the pump reassembled. The pump was tested for one hour. The discharge pressure indication and temperature level remained normal throughout the test; therefore, the pump was returned to service.

10. Failure History:

The following is a list of previous failures of the 'B' Boric Acid Transfer Pump involving the pump's stator and bearings.

1. January 2, 1976, 'B' Pump failed due to damaged bearings and stator.



Carolina Power & Light Company

November 16, 1976

FILE: NG-3513 (R)

SERIAL: NG-76-1485

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-23
LICENSEE EVENT REPORT 76-18

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:dmc

Attachment

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

LICENSEE EVENT REPORT

CONTROL BLOCK:

1	6		

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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	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	CON'T	L	L	0	5	0	-	0	2	6	1	1	0	1	8	7	6	1	1	1	6	7	6
7	8	57	58	59	60	61					68	69					74	75					80

EVENT DESCRIPTION

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07	P	C	E	M	O	T	O	R	X	N	C	6	6	5	N	
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CAUSE DESCRIPTION

08	The high temperature trip was caused by a defective stator and worn bearings. The																								80
09	low discharge pressure indication was caused by a faulty pressure gauge.																								80
10																									80

FACILITY STATUS		% POWER		OTHER STATUS				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION					
11	E	1	0	0	NA	NA	A	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	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

PERSONNEL INJURIES

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

OFFSITE CONSEQUENCES

15	NA																								80
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LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION
16	Z	NA
7	8	9

PUBLICITY

17	NA																								80
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19	(HBR2 RO 76-18)																								80
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NAME: J. B. McGirt

PHONE: (803) 332-1351

SUPPLEMENTAL INFORMATION FOR
REPORTABLE OCCURRENCE 76-18

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2. Report Date:
- 2b. Occurrence Date: October 18, 1976
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U.S. A.E.C.
REGULATORY OPERATIONS
REGION II
ATLANTA, GA.

Nov 17 1 31 PM '76