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CONTROL NO: 12297

FILE: _____

FROM: Carolina Power & Light Co. Raleigh, N.C. E.E. Utely			DATE OF DOC 11-22-74	DATE REC'D 12-5-74	LTR xxx	TWX	RPT	OTHER
TO: Mr. Norman C. Mosely			ORIG 1-signed	CC	OTHER	SENT AEC PDR <u>xxxxxxxxxx</u> SENT LOCAL PDR <u>xxxxx</u>		
CLASS	UNCLASS xxxxxxx	PROP INFO	INPUT	NO CYS REC'D 40		DOCKET NO: 50-261		

DESCRIPTION:

Ltr Trans the Following:

ACKNOWLEDGED

DO NOT REMOVE

PLANT NAME:

H.B. Robinson #2

ENCLOSURES:

Abnormal Occurrence #74-25 on 11-14-74 concerning Failure of Boric Acid Transfer Pump " A " control circuit.....

FOR ACTION/INFORMATION

12-5-74

JGB

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies
CLARK (L) W/ Copies	STOLZ (L) W/ Copies	DICKER (E) W/ Copies	LEAR (L) W/ Copies
PARR (L) W/ Copies	VASSALLO (L) W/ Copies	KNIGHTON (E) W/ Copies	W/ Copies
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INTERNAL DISTRIBUTION

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<input checked="" type="checkbox"/> AEC PDR	<input checked="" type="checkbox"/> SCHROEDER	GRIMES	DIGGS (L)	BRAITMAN
<input checked="" type="checkbox"/> OGC, ROOM P-506A	<input checked="" type="checkbox"/> MACCARY	GAMMILL	GEARIN (L)	SALTZMAN
<input checked="" type="checkbox"/> MUNTZING/STAFF	<input checked="" type="checkbox"/> KNIGHT	KASTNER	GOULBOURNE (L)	B. HURT
<input checked="" type="checkbox"/> CASE	<input checked="" type="checkbox"/> PAWLICKI	BALLARD	KREUTZER (E)	PLANS
GIAMBUSO	<input checked="" type="checkbox"/> SHAO	SPANGLER	LEE (L)	MCDONALD
BOYD	<input checked="" type="checkbox"/> STELLO	ENVIRO	MAIGRET (L)	CHAPMAN
MOORE (L) (BWR)	<input checked="" type="checkbox"/> HOUSTON	MULLER	REED (E)	DUBE w/input
DEYOUNG (L) (PWR)	<input checked="" type="checkbox"/> NOVAK	DICKER	SERVICE (L)	E. COUPE
SKOVHOLT (L)	<input checked="" type="checkbox"/> ROSS	KNIGHTON	SHEPPARD (L)	
GOLLER (L)	<input checked="" type="checkbox"/> IPOLITO	YOUNGBLOOD	SLATER (E)	<input checked="" type="checkbox"/> THOMPSON (2)
P. COLLINS	<input checked="" type="checkbox"/> TEDESCO	REGAN	SMITH (L)	<input checked="" type="checkbox"/> KLECKER
DENISE	<input checked="" type="checkbox"/> LONG	PROJECT LDR	TEETS (L)	<input checked="" type="checkbox"/> EISENHUT
<input checked="" type="checkbox"/> REG OPR	<input checked="" type="checkbox"/> LAINAS		WILLIAMS (E)	
<input checked="" type="checkbox"/> FILE & REGION (2)	<input checked="" type="checkbox"/> BENAROYA	HARLESS	WILSON (L)	
<input checked="" type="checkbox"/> MORRIS	<input checked="" type="checkbox"/> VOLIMER			
<input checked="" type="checkbox"/> STEELE				

EXTERNAL DISTRIBUTION

Ad Hc

<input checked="" type="checkbox"/> LOCAL PDR <u>Hartsville, S.C.</u>	<input checked="" type="checkbox"/> NATIONAL LABS	1 - PDR-SAN/LA/NY
<input checked="" type="checkbox"/> TIC (ABERNATHY) (1)(2)(10)	1 - ASLBP (E/W Bldg, Rm 529)	1 - BROOKHAVEN NAT LAB
<input checked="" type="checkbox"/> NSIC (BUCHANAN)	1 - W. PENNINGTON, Rm E-201 GT	1 - G. ULRIKSON, ORNL
1 - ASLB	1 - B&M SWINEBROAD, Rm E-201 GT	1 - AGMED (RUTH GUSSMAN) Rm B-127 GT
1 - Newton Anderson	1 - CONSULTANTS	1 - R. D. MUELLER, Rm E-201 GT
<input checked="" type="checkbox"/> ACRS XXXXXX	NEWMARK/BLUME/AGBABIAN	

*Sent to Lic Asst.
TEETS*



Carolina Power & Light Company

November 22, 1974

50-261

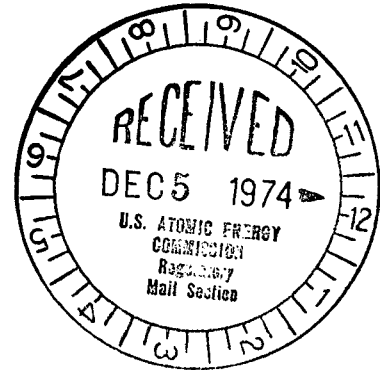
FILE: NG-3513 and 3514 (R) ^{Regulatory}

File Cy.

SERIAL: NG-74-1414

Mr. Norman C. Moseley, Director
Directorate of Regulatory Operations
U. S. Atomic Energy Commission
Region II, Suite 818
230 Peachtree Street, N. W.
Atlanta, Georgia 30303

Mr. Donald Knuth, Director
Directorate of Regulatory Operations
U. S. Atomic Energy Commission
Washington, D. C. 20545

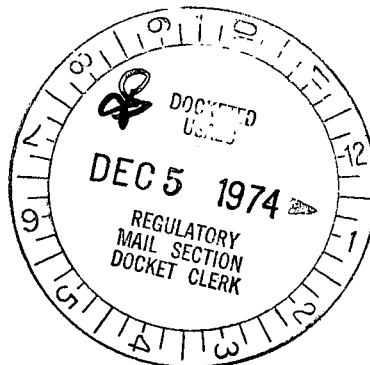


Dear Sirs:

H. B. ROBINSON UNIT NO. 2
LICENSE NO. DPR-23

FAILURE OF "A" BORIC ACID TRANSFER PUMP CONTROL CIRCUIT

In accordance with 6.6.2.a of the Technical Specifications for H. B. Robinson Unit No. 2, the attached Abnormal Occurrence Report is submitted for your information. This report fulfills the requirement for a written report within ten days of an Abnormal Occurrence and is in accordance with the format set forth in Regulatory Guideline 1.16, Revision 1.



Yours very truly,

E. E. Utley
Vice-President
Bulk Power Supply

DBW:sb
Attachment

cc: Mr. N. B. Bessac
Mr. W. B. Howell
Mr. J. B. McGirt
Mr. D. V. Menscer
Mr. D. B. Waters

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12297

ABNORMAL OCCURENCE REPORT

1. Report No. 50-261/74-25
- 2a. Date November 21, 1974
- 2b. Occurrence Date November 14, 1974
3. Facility H. B. Robinson SEG Plant
Hartsville, S. C. 29550

4. Identification of Occurrence

Failure of Boric Acid Transfer Pump "A" control circuit.

5. Conditions Prior to Occurrence

The plant was operating at 100% nuclear power with 696 MW net load on the generator.

6. Description of Occurrence

At 1525 hours on November 14, 1974, the "A" Boric Acid Transfer Pump was declared out of service when the pump indication light was observed to be off. A check indicated that the control power fuse had blown out. This fuse was replaced and at 1545 hours, the subject pump was tested satisfactorily.

No limiting condition of operation was involved in that the "A" pump was returned to service within the required 24 hour period.

7. Designation of Apparent Cause of Occurrence

On the following day at 1140 hours Instrumentation and Control Technicians continued investigation of the blown control power fuse which had occurred the previous afternoon. While this investigation was in progress, the control fuse on the subject pump again blew out. There were no problems with the subject pump itself, either electrical or mechanical. Further investigation revealed that the heat tracing bulb, normally secured to the pump enclosure had loosened and come into contact with the leads on the pump thermal cutout switch. (These leads are soldered to the thermal cutout switch which is mounted directly in contact with the pump casing, as shown in Figure 1. The thermal cutout switch is a protective device which prevents pump operation if excessive pump temperature occur). This, in turn, grounded the thermal cutout switch and caused the fuse to blow out. The repairs indicated in Section 9 below were accomplished and the pump returned to service at 1513 on November 15, 1974.

8. Analysis of Occurrence

Following the second failure, "B" Boric Acid Transfer Pump was verified operable. Therefore, system capability was not impaired and the plant

plant continued to operate at full power. Technical Specification 3.2.3.b requires the failed boric acid transfer pump to be returned to service within 24 hours to permit continued full power operation. The pump was returned to service satisfactorily within this time period. The occurrence did not result in a release of radioactive material, nor did it endanger public health and safety.

9. Corrective Action

The heat tracing bulb was cemented back into place on the pump enclosure with Thermon Heat Transfer Cement and secured with three wires. The control power fuse was replaced and the subject pump was returned to service. No further action is deemed necessary since Boric Acid Transfer Pump "B" utilizes a remote, rather than contact, thermal cutout switch and therefore does not have exposed contacts inside of the pump cover.

10. Failure Data

No previous failures of this type have occurred.

FIGURE 1

BA STORAGE TANK PUMP THERMAL CUTOUT

