

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 2603

FILE: A/0

FROM: Carolina Power & Light Co. Raleigh, N. C. E. E. Utley			DATE OF DOC 3-25-74	DATE REC'D 3-28-74	LTR X	MEMO	RPT	OTHER
TO: John F. O'Leary			ORIG 3 signed	CC 37	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 40		DOCKET NO: 50-261		
XXX								
DESCRIPTION: Ltr trans the following...				ENCLOSURES: Abnormal Occurrence Report #74-7 of 3-20-74 in which the "B" Boric Acid Transfer Pump Breaker tripped due to thermal overload				
ACKNOWLEDGED				DO NOT REMOVE				
PLANT NAME: H. B. ROBINSON UNIT #2				(40 cys encl rec'd)				

FOR ACTION/INFORMATION 3-28-74 GMC

BUTLER(L)	SCHWENCER(L)	ZIEMANN(L)	REGAN(E)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
CLARK(L)	STOLZ(L)	DICKER(E)	
W/ Copies	W/ Copies	W/ Copies	W/ Copies
GOLLER(L)	VASSALLO(L)	KNIGHTON(E)	
W/ Copies	W/ Copies	W/ Copies	W/ Copies
KNIEL(L)	SCHEMEL(L)	YOUNGBLOOD(E)	
W/ Copies	W/ 7 Copies	W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

✓ <u>REG FILE</u>	✓ <u>TECH REVIEW</u>	DENTON		<u>A/T IND</u>
✓ <u>AEC PDR</u>	✓ <u>HENDRIE</u>	GRIMES	<u>LIC ASST</u>	BRAITMAN
✓ <u>OGC, ROOM P-506A</u>	✓ <u>SCHROEDER</u>	GAMMILL	DIGGS (L)	SALTZMAN
✓ <u>MUNTZING/STAFF</u>	✓ <u>MACCARY ltr</u>	KASTNER	GEARIN (L)	B. HURT
✓ <u>CASE</u>	✓ <u>KNIGHT</u>	BALLARD	GOULBOURNE (L)	<u>PLANS</u>
GIAMBUSO	✓ <u>PAWLICKI</u>	SPANGLER	LEE (L)	MCDONALD
BOYD	✓ <u>SHAO</u>		MAIGRET (L)	DUBE w/Input
MOORE (L) (BWR)	✓ <u>STELLO ltr</u>	<u>ENVIRO</u>	REED (E)	<u>INFO</u>
DEYOUNG (L) (PWR)	✓ <u>HOUSTON</u>	MULLER	SERVICE (L)	C. MILES
✓ <u>SKOVHOLT (L)</u>	✓ <u>NOVAK</u>	DICKER	SHEPPARD (L)	✓ B. KING e/w BUE
P. COLLINS	✓ <u>ROSS</u>	KNIGHTON	SLATER (E)	
DENISE	✓ <u>IPPOLITO</u>	YOUNGBLOOD	SMITH (L)	
✓ <u>REG OPR</u>	✓ <u>TEDESCO ltr</u>	REGAN	✓ TEETS (L)	
✓ <u>FILE & REGION(3)</u>	✓ <u>LONG</u>	PROJECT LDR	WADE (E)	
✓ <u>MORRIS</u>	✓ <u>LAINAS</u>		WILLIAMS (E)	
✓ <u>STEELE</u>	✓ <u>BENAROYA</u>	HARLESS	WILSON (L)	
	✓ <u>VOLMER</u>			

EXTERNAL DISTRIBUTION

✓ 1 - LOCAL PDR HARTVILLE, SC	(1) (2) (10) - NATIONAL LAB'S	1-PDR-SAN/LA/NY
✓ 1 - DTIE (ABERNATHY)	1-ASLBP (E/W Bldg, Rm 529)	1-GERALD LELLOUCHE
✓ 1 - NSIC (BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB (YORE)	1-CONSULTANT'S	1-AGMED (Ruth Gussman)
	NEWMARK/BLUME/AGBABIAN	RM-B-127, GT.
✓ 16 - CYS ACRS HOLDING	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-309 GT
Sent to Lic Asst Teets 3-28-74		



Carolina Power & Light Company

March 25, 1974

Regulatory

File Cy.

File: NG-3514

Serial: NG-74-368

Mr. John F. O'Leary, Director
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. O'Leary:

50-261

H. B. ROBINSON UNIT NO. 2

LICENSE DPR-23

FAILURE OF "B" BORIC ACID PUMP



In accordance with Section 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 requirements 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.

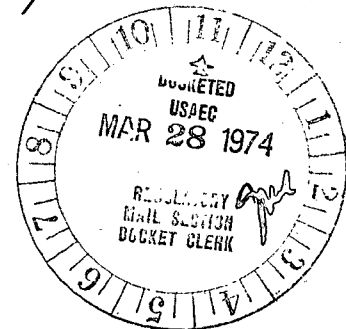
Yours very truly,

E. E. Utley

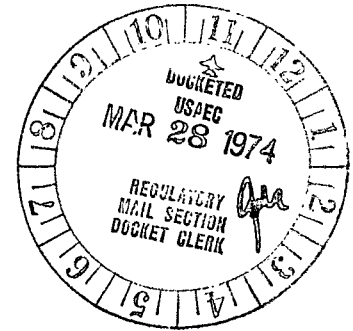
Vice-President
Bulk Power Supply

DBW:mvp
Attachment

cc: Messrs. N. B. Bessac
T. E. Bowman
B. J. Furr
W. B. Howell
D. V. Menscer
N. C. Moseley
D. B. Waters



2603

ABNORMAL OCCURRENCE REPORT

1. Report No. 74-7
- 2a. Date March 21, 1974
- 2b. Occurrence Date March 20, 1974
3. Facility H. B. Robinson Unit No. 2
4. Identification of Occurrence

Failure of "B" Boric Acid Transfer Pump constituting an abnormal occurrence as defined in Section 1.8.d of the Technical Specifications.

5. Conditions Prior to Occurrence

The plant was operating at 100% nuclear power with 690 MWe net load on the generator. "B" Boric Acid Transfer Pump was in service, recirculating "B" Boric Acid Storage Tank with the Boron Injection Tank. "A" Boric Acid Transfer Pump was in service recirculating the contents of "A" Boric Acid Tank.

6. Description of Occurrence

At 1005 hours on March 20, 1974, "B" Boric Acid Transfer Pump Breaker tripped due to thermal overload. The breaker was reset and the pump restarted at 1008 hours. Pump discharge pressure was checked and found abnormally low and at this time valves SI 841 "A" & "B" (Boron Injection Tank Recirculation Valves) were closed with no appreciable increase in pump discharge pressure. The pump was secured and declared inoperable at 1008 hours.

7. Designation of Apparent Cause of the Occurrence

The pump motor was checked electrically and found to be sound, therefore, it was apparent that the impeller had separated from the shaft or the shaft had broken. Investigation proved the latter to be true.

8. Analysis of Occurrence

Immediately following verification of low pump discharge pressure, it was concluded that the pump would not meet its intended function, therefore, it was declared inoperable. As the redundant pump was operable, the system capability was not impaired, therefore, plant operation at full power was continued.

9. Corrective Action

"B" Boric Acid Transfer Pump was replaced with a spare pump from stock. The pump which failed will be rebuilt with certified parts or replaced as a unit. "A" Boric Acid Transfer Pump has a modified pump shaft as a result of previous Boric Acid Transfer Pump failures. The "B" Boric

Acid Transfer Pump will be replaced with a pump with a modified shaft as soon as it can be obtained from the vendor.

10. Failure Data

8-15-73 Pump failure due to broken shaft in vicinity of shaft keyway.

12-4-73 Pump failure due to broken shaft in vicinity of shaft keyway.