

**AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL**  
(TEMPORARY FORM)

CONTROL NO: 8428

FILE:

<b>FROM:</b> Carolina Power & Light Co Raleigh, NC E. E. Utley			<b>DATE OF DOC</b> 8-14-74	<b>DATE REC'D</b> 8-15-74	<b>LTR</b> X	<b>TWX</b>	<b>RPT</b>	<b>OTHER</b>
<b>TO:</b> Norman C. Moseley			<b>ORIG</b> 2 signed	<b>CC</b> 38	<b>OTHER</b>	<b>SENT AEC PDR</b> XXX <b>SENT LOCAL PDR</b> XXX		
<b>CLASS.</b>	<b>UNCLASS</b>	<b>PROP INFO</b>	<b>INPUT</b>	<b>NO CYS REC'D</b> 40		<b>DOCKET NO:</b> 50-261		
	XXX							

**DESCRIPTION:**

Ltr trans the following.....

**ENCLOSURES:**

Abnormal occurrence rpt #74-17 of 8-8-74  
re failure of "B" Boric Acid Transfer Pump

**ACKNOWLEDGED**  
**DO NOT REMOVE**

**PLANT NAME:** HB ROBINSON UNIT #2

(40 cys encl rec'd)

FOR ACTION/INFORMATION 8-15-74 GMC

BUTLER (L)	SCHWENCER (L)	ZIEMANN (L)	REGAN (E)
W/ CYS	W/ CYS	W/ CYS	W/ CYS
CLARK (L)	STOLZ (L)	DICKER (E)	LEAR
W/ CYS	W/ CYS	W/ CYS	W/7 CYS
DARR (L)	VASCALLO (L)	KNIGHTON (E)	
W/ CYS	W/ CYS	W/ CYS	W/ CYS
KNIEL (L)	PURPLE (L)	YOUNGBLOOD (E)	
W/ CYS	W/ CYS	W/ CYS	W/ CYS

**INTERNAL DISTRIBUTION**

<input checked="" type="checkbox"/> <u>REG FILE</u>	<input checked="" type="checkbox"/> <u>TECH REVIEW</u>	DENTON	<u>LIC ASST</u>	<u>A/T IND</u>
<input checked="" type="checkbox"/> AEC PDR	<input checked="" type="checkbox"/> HENDRIE	GRIMES	DIGGS (L)	BRAITMAN
<input checked="" type="checkbox"/> OGC	<input checked="" type="checkbox"/> SCHROEDER	GAMMILL	GEARIN (L)	SALTZMAN
<input checked="" type="checkbox"/> MUNTZING/STAFF	<input checked="" type="checkbox"/> MACCARY	KASTNER	GOULBOURNE (L)	B. HURT
<input checked="" type="checkbox"/> CASE	<input checked="" type="checkbox"/> KNIGHT	BALLARD	KREUTZER (E)	
GIAMBUSSO	<input checked="" type="checkbox"/> PAWLICKI	SPANGLER	LEE (L)	<u>PLANS</u>
BOYD	<input checked="" type="checkbox"/> SHAO		MAIGRET (L)	MCDONALD
MOORE (L)(LWR-2)	<input checked="" type="checkbox"/> STELLO	<u>ENVIRO</u>	REED (E)	CHAPMAN
DEYOUNG (L)(LWR-1)	<input checked="" type="checkbox"/> HOUSTON	MULLER	SERVICE (L)	DUBE w/input
SKOVHOLT (L)	<input checked="" type="checkbox"/> NOVAK	DICKER	SHEPPARD (L)	E. COUPE
<input checked="" type="checkbox"/> GOLLER (L)	<input checked="" type="checkbox"/> ROSS	KNIGHTON	SLATER (E)	
P. COLLINS	<input checked="" type="checkbox"/> IPPOLITO	YOUNGBLOOD	SMITH (L)	<input checked="" type="checkbox"/> D. THOMPSON (2)
DENISE	<input checked="" type="checkbox"/> TEDESCO	REGAN	<input checked="" type="checkbox"/> TEETS (L)	<input checked="" type="checkbox"/> KLECKER
<input checked="" type="checkbox"/> <u>REG OPR</u>	<input checked="" type="checkbox"/> LONG	PROJECT MGR	WILLIAMS (E)	<input checked="" type="checkbox"/> EISENHUT
<input checked="" type="checkbox"/> <u>FILE &amp; REGION (3)</u>	<input checked="" type="checkbox"/> LAINAS		WILSON (L)	
<input checked="" type="checkbox"/> MORRIS	<input checked="" type="checkbox"/> BENAROYA	HARLESS		
<input checked="" type="checkbox"/> STEELE	<input checked="" type="checkbox"/> VOLLMER			

**EXTERNAL DISTRIBUTION**

<input checked="" type="checkbox"/> 1 - LOCAL PDR HARTSVILLE, SC	(1)(2)(10) - NATIONAL LABS	1-PDR-SAN/LA/NY
<input checked="" type="checkbox"/> 1 - TIC (ABERNATHY)	1-ASLBP(E/W Bldg, Rm 529)	1-BROOKHAVEN NAT LAB
<input checked="" type="checkbox"/> 1 - 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 GUSSEMAN)
<input checked="" type="checkbox"/> 1 - P. R. DAVIS	1-CONSULTANTS	Rm B-127 GT
<input checked="" type="checkbox"/> 5 - ACRS SENT TO LIC ASST TEETS 8-15-74	NEWMARK/BLUME/AGBABIAN	1-RD..MUELLER, Rm F-306
		GT



Carolina Power & Light Company

August 14, 1974

File: NG-3513 and NG-3514

50 - 261

Serial: NG-74-1016

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. Edson G. Case, Deputy Director  
Directorate of Licensing  
Office of Regulation  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

Dear Sirs:

H. B. ROBINSON UNIT NO. 2  
LICENSE DPR-23  
FAILURE OF "B" BORIC ACID TRANSFER PUMP

In accordance with Section 6.6.2 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.

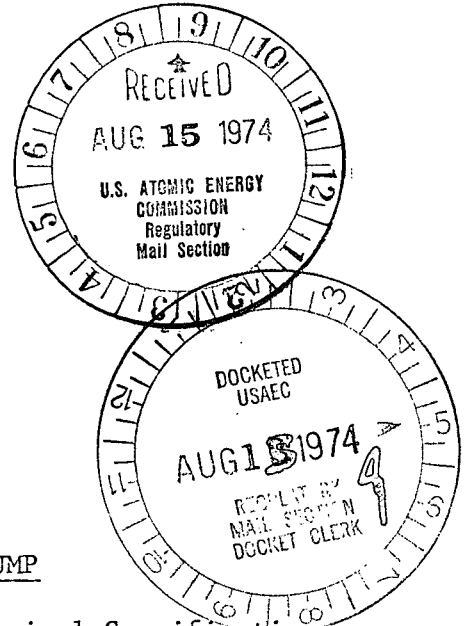
Yours very truly,

E. E. Utley  
Vice-President  
Bulk Power Supply

RWL:DBW:mvp  
Attachment

cc: Messrs. N. B. Bessac  
W. E. Graham  
J. B. McGire  
D. V. Menscer  
D. B. Waters

REGULATORY DOCKET FILE COPY



## ABNORMAL OCCURRENCE REPORT

1. Report No. 74-17
- 2a. Date August 8, 1974
- 2b. Occurrence Date August 8, 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 650 m.w. net load on the generator. "A" boric acid transfer pump was set up for automatic make up to Reactor Coolant System. "B" boric acid pump was set up to recirculate B.A. storage tank.

6. Description of Occurrence

At 0703 on August 8, 1974, "B" boric acid transfer pump was started to recirculate the "B" boric acid storage tank. At 0725 it was found that "B" pump breaker had tripped. The breaker was reset and the pump restarted. Immediately the breaker tripped. The pump was secured and declared inoperable at 0730 hours. At this time it was verified that the "A" B.A. transfer pump was operable.

7. Designation of Apparent Cause of Occurrence

The pump motor was checked electrically and found to be sound, therefore, it was apparent the problem was of a mechanical nature. Investigation proved the pump shaft had broken.

8. Analysis of Occurrence

Immediately it was determined that the pump would not meet its intended function. As the "A" B.A. transfer pump was operable the system capability was not impaired, therefore, plant operation at full power was continued.

9. Corrective Action

The "B" boric acid transfer pump was replaced with a spare pump from stock and returned to service at 1711 hours on August 8, 1974. The pump that failed will be rebuilt with certified parts and returned to stock.

10, Failure Data

8-15-73 Pump failed due to broken shaft in vicinity of shaft key.

12-4-73 Pump failed due to broken shaft in vicinity of shaft key.

3-20-74 Pump failed due to broken shaft in vicinity of shaft key.