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CONTROL NO: 6289

FILE: INCIDENT REPORT FILE

FROM: Carolina Power & Light Co. Raleigh, N.C. E.E.Utley			DATE OF DOC 6-2-75	DATE REC'D 6-9-75	LTR xxx	TWX	RPT	OTHER
TO: Mr. Norman C. Moseley			ORIG 1-signed	CC 39	OTHER	SENT AEC PDR SENT LOCAL PDR		
CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 40		DOCKET NO: 50-261		

DESCRIPTION:

Ltr trans the following:

ENCLOSURES:

Abnormal Occurrence #75-10 on 5-21-75
concerning failure of "B" Boric Acid transfer
pump

PLANT NAME: H.B. Robinson #2

FOR ACTION/INFORMATION

6-10-75 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
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EXTERNAL DISTRIBUTION

1 - LOCAL PDR Hartsville, S.C.	1 - NATIONAL LABS	1 - PDR-SAN/LA/NY
1 - TIC (ABERNATHY) (1)(2)(10)	1 - W. PENNINGTON, Rm E-201 GT	1 - BROOKHAVEN NAT LAB
1 - NSIC (BUCHANAN)	1 - CONSULTANTS	1 - G. ULRIKSON, ORNL
1 - ASLB	NEWMARK/BLUME/AGBABIAN	1 - AGMED (RUTH GUSSMAN) Rm B-127 GT
1 - Newton Anderson		1 - J. D. RUNKLES, Rm E-201 GT
5 - ACRS SENT TO LIC ASST		
** SEND ONLY TEN DAY REPORTS		



Carolina Power & Light Company

June 2, 1975

50-261

FILE: NG-3513 (R)

SERIAL: NG-75-826

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



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.

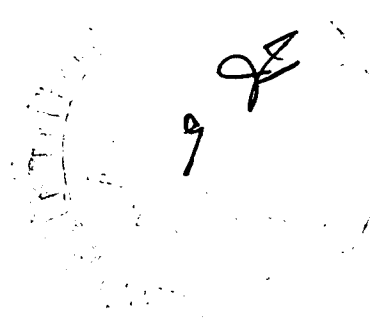
Yours very truly,

E. E. Utley
Vice President
Bulk Power Supply

DBW:cpw

Attachment

CC: Mr. N. B. Bessac
Mr. P. W. Howe
Mr. R. E. Jones
Mr. D. Knuth
Mr. J. B. McGirt
Mr. D. B. Waters



6280

ABNORMAL OCCURRENCE REPORT

1. Report No. 50-261/75-10
- 2a. Date May 28, 1975
- 2b. Occurrence Date May 21, 1975
3. Facility H. B. Robinson Unit No. 2
Hartsville, South Carolina 29550

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 in a cold shutdown to perform maintenance work. "B" Boric Acid Transfer Pump was lined up to recirculate "B" Boric Acid Tank. "A" Boric Acid Transfer Pump was lined up to recirculate "A" Boric Acid Tank and the pump was in operation at this time.

6. Description of Occurrence

At 0217 hours the "B" Boric Acid Transfer pump was lined up to recirculate "B" Boric Acid Tank and put into service. At 0345 hours the pump was found stopped with the breaker in tripped position. The breaker was reset, but tripped again when an attempt was made to start the pump. "A" Boric Acid Transfer Pump was operable and running at this time. Steps were taken at this time to determine the cause of "B" pump failure.

7. Designation of Apparent Cause of Occurrence

The pump motor was checked electrically and found to be sound. Investigation revealed the shaft had broken at the keyway. The pump bearing showed some wear and this appeared to have created some vibration and ultimate failure.

8. Analysis of Occurrence

At the time "B" Boric Acid Transfer Pump failed, the "A" Boric Acid Transfer Pump was also in operation. The plant safety was, therefore, not jeopardized, and no limiting condition of operation was violated. No personnel injuries, undue exposures, releases of radioactive materials, or threat to the public health and safety resulted from this occurrence.

9. Corrective Action

The "B" Boric Acid Transfer Pump was rebuilt with spare parts from stock and returned to service at 0858, May 22, 1975. A new pump model GVH-10K has been recommended by Chempump and has been ordered. In the meantime, the GE 20K stub shaft modification is in progress and will also be installed in an effort to alleviate the shaft breakage problems.

10. Failure Data

August 15, 1973	Crane Chempump model GE 20K broken shaft near keyway.
December 4, 1973	Crane Chempump model GE 20K broken shaft near keyway.
March 20, 1974	Crane Chempump model GE 20K broken shaft near keyway.
August 8, 1974	Crane Chempump model GE 20K broken shaft near keyway.
August 26, 1974	Crane Chempump model GE 20K broken shaft at rotor (pump end).
December 4, 1974	Crane Chempump model GE 20K broken shaft at rotor (pump end).
May 21, 1975	Crane Chempump model GE 20K broken shaft near keyway.

U.S. F.C.
REGULATORY OPERATIONS
REGION III
ATLANTA, GA.

JUN 5 2 51 PM '75

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