

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 7989

FILE:

FROM: Carolina Power & Light Co Raleigh, NC E. E. Utley			DATE OF DOC 7-26-74		DATE REC'D 7-31-74		LTR X	TWX	RPT	OTHER
TO: Edson Case			ORIG 2 signed		CC 38	OTHER		SENT AEC PDR XXX SENT LOCAL PDR XXX		
CLASS	UNCLASS	PROP INFO	INPUT		NO CYS REC'D 40		DOCKET NO: 50-261			
	XXX									

DESCRIPTION:

Ltr trans the following.....

ENCLOSURES:

Abnormal occurrence rpt #50-261/74-14 of 7-16-74 re malfunction of valves MS-V1-8B and MS-V1-8C.....

PLANT NAME: HB ROBINSON UNIT #2

(40 cys encl rec'd)

FOR ACTION/INFORMATION

7-31-74

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
DAER (L)	VASSALLO (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

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

EXTERNAL DISTRIBUTION

✓1 - LOCAL PDR HARTVILLE, SC	(1)(2)(10)-NATIONAL LABS	1-PDR-SAN/LA/NY
✓1 - TIC (ABERNATHY)	1-ASLBP(E/W Bldg, Rm 529)	1-BROOKHAVEN NAT LAB
✓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 GUSMAN)
1 - P. R. DAVIS	1-CONSULTANTS	Rm B-127 GT
✓16 - ACRS SENT TO LIC ASST TEETS 7-31-74	NEWARK/BLUME/AGBABIAN	1-RD..MUELLER, Rm F-302
		GT



Carolina Power & Light Company

50-261

July 26, 1974

REGULATORY DOCKET FILE COPY

File: NG-3513 and NG-3514

Serial: NG-74-935

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

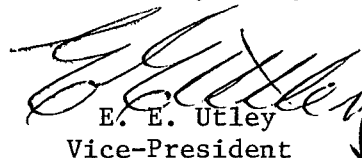
Mr. Edson Case, Acting Director
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dear Sirs:

H. B. ROBINSON UNIT NO. 2
LICENSE DPR-23
MALFUNCTION OF VALVES MS V1-8B AND MS V1-8C

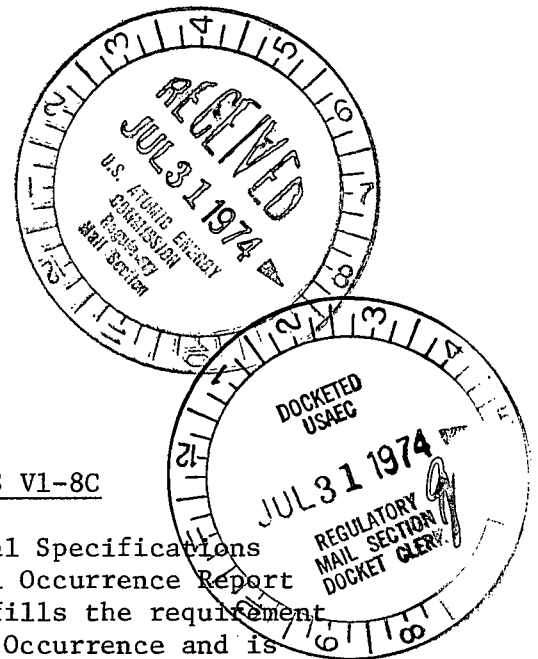
In accordance with 6.6.2.a of the Technical Specifications for H. B. Robinson Unit No. 2, the attached Abnormal Occurrence Report is submitted for your information. This report fulfills the requirement for a written report within ten days of an Abnormal Occurrence and is in accordance with the format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

Yours very truly,


E. E. Utley
Vice-President
Bulk Power Supply

KEB:DBW:mvp
Attachment

cc: Messrs. N. B. Bessac
J. B. McGirt
W. B. Howell
D. V. Menscer
D. B. Waters
R. A. Watson



ABNORMAL OCCURRENCE REPORT

1. Report No. 50-261/74-14
- 2a. Date July 24, 1974
- 2b. Occurrence Date July 16, 1974
3. Facility H. B. Robinson Unit No. 2
Hartsville, South Carolina 29550

4. Identification of Occurrence

Malfunction of valves MS V1-8B and MS V1-8C.

5. Condition Prior to Occurrence

The reactor was operating at a steady state power level of 99.2%.

6. Description of Occurrence

At 1100 hours on July 16, 1974, while performing periodic test No. 22 on the Auxiliary Feedwater System the steam driven auxiliary feedwater pump motor-operated supply valves MS V1-8B and MS V1-8C failed to operate properly. The third motor-operated supply valve MS V1-8A opened properly which started the steam driven auxiliary feedwater pump.

The steam supply valve MS V1-8B did not give remote open indication when the valve should have opened. Upon investigation at the valve it was found that the valve was open and the motor operator was separate from the valve yoke.

The steam supply valve MS V1-8C did not open properly and no indication lights were lighted on the RTGB.

Maintenance personnel began investigating the malfunctions immediately. The manual isolation valve downstream of the three motor operated valves was closed at 1116 hours to stop the steam driven auxiliary feedwater pump.

7. Designation of Apparent Cause of the Occurrence

The failure of valve MS V1-8B was due apparently to mechanical binding in the valve and valve stem. This binding caused the bolts which hold the motor operator to the valve yoke to break. This allowed the motor operator to separate from the valve which precluded proper valve operation.

Valve MS V1-8C failed due to a short in the control circuit which blew the control power fuses. The short circuit was caused by a screw on one of the terminal lugs touching ground. The tape insulation on the screw and lug had rubbed off exposing the screw to metal ground.

8. Analysis of Occurrence

The failure of these two valves did not preclude proper operation of the steam auxiliary feedwater pump since MS V1-8A opened properly and MS V1-8B did open even though the motor operator separated from the valve yoke. No violation of a limiting condition for operation occurred since both motor driven auxiliary feedwater pumps were operable.

The steam driven auxiliary feedwater pump will operate properly if any one of the three motor operated steam supply valves open properly. The steam driven auxiliary feedwater pumps were not taken out of service until maintenance personnel began working on the supply valves.

9. Corrective Action

1. Valve MS V1-8B - The motor operator was dismantled and inspected. No defective parts were found and the operator was rebuilt. The motor operator was re-installed on the valve with new attachment bolts. The valve was stroked and tested satisfactorily and then returned to service.
2. Valve MS V1-8C - The terminal lug screw which touched the housing was on the torque switch assembly. This assembly was rotated to move the terminal away from the housing and the lug and lug screw were retaped.

10. Failure Data

No previous failure.