

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 5261

FILE:

FROM: Carolina Power & Light Company Raleigh, N. C. 27602 E. E. Utley		DATE OF DOC 6-27-73	DATE REC'D 7-6-73	LTR X	MEMO	RPT	OTHER
TO: Mr. O'Leary		ORIG 3 signed	CC	OTHER	SENT AEC PDR X		
CLASS UNCLASS		PROP INFO	INPUT	NO CYS REC'D 40	SENT LOCAL PDR X		
XX					DOCKET NO: 50-261		

DESCRIPTION:
Ltr reporting an incident on 6-20-73, regarding the failure of reactor trip from turbine trip.....

ENCLOSURES:

ACKNOWLEDGED

Do Not Remove

PLANT NAME: H. B. Robinson Unit 2

FOR ACTION/INFORMATION

7-6-73

AB

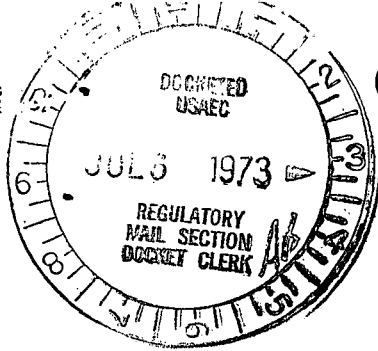
BUTLER(L) W/ Copies	SCHWENCER(L) W/ Copies	ZIEMANN(L) W/ Copies	REGAN(E) W/ Copies
CLARK(L) W/ Copies	STOLZ(L) W/ Copies	DICKER(E) W/ Copies	W/ Copies
GOLLER(L) W/ Copies	VASSALLO(L) W/ Copies	KNIGHTON(E) W/ Copies	W/ Copies
KNIEL(L) W/ Copies	✓ SCHEMEL(L) W/ 7 Copies	YOUNGBLOOD(E) W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

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

EXTERNAL DISTRIBUTION

✓ 1 - LOCAL PDR Hartville, S. C.	(1)(2)(9)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
✓ 1 - DTIE(ABERNATHY)	1-R.Schoonmaker, OC, GT, D-323	1-GERALD LELLOUCHE
✓ 1 - NSIC(BUCHANAN)	1-R. CATLIN, E-256-GT	BROOKHAVEN NAT. LAB
1 - ASLB(YORE/SAYRE/ WOODARD/"H" ST.	1-CONSULTANT'S	1-AGMED(WALTER KOESTER
✓ 16 - CYS ACRS HOLDING SENT TO LIC	NEWMARK/BLUME/AGBABIAN	RM-C-427-GT
S. TEETS ON 7-6-73	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-309 GT



Regulatory

File Cy.

CP&L

Carolina Power & Light Company

June 27, 1973

50-2611

File: NG 5212

NG-73-126

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

Dear Mr. O'Leary:

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

FAILURE OF REACTOR TRIP FROM TURBINE TRIP

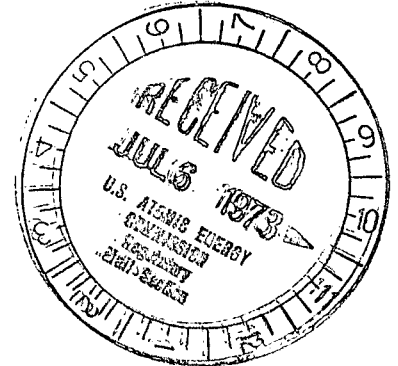
In accordance with Paragraph 6.6.2.A, Technical Specifications, it is reported that on June 20, 1973, while operating at approximately 92%, a turbine trip occurred which did not directly trip the reactor.

While performing a periodic test on the turbine redundant overspeed trip system (TROTS), a turbine trip was inadvertently initiated at 1454 hours. Approximately seven seconds later a reactor trip was initiated by high pressurizer pressure, as indicated by first out annunciation and the plant computer. The plant tripped to the hot shutdown condition.

The reactor failed to trip, as a result of a turbine trip, due to a failure of one turbine stop valve limit switch. The only reactor trip function from TROTS trip is via both stop valve closure limit switches; therefore, the failure of this switch prevented a direct reactor trip from being initiated. Since the other reactor protection systems performed properly, the lack of an immediate reactor trip did not adversely affect the safety of the reactor.

The following corrective actions were initiated:

- 1) The turbine stop valve limit switches were checked and the right stop valve switch was found to operate marginally. This switch had last been satisfactorily tested on June 10, 1973. The switch was adjusted and test operated satisfactorily prior to power operation.



Mr. John F. O'Leary

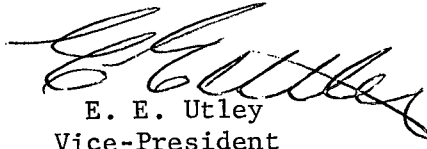
- 2 -

June 27, 1973

- 2) An investigation is in progress to evaluate a separate input from the TROTS to the reactor trip logic rather than depending solely on stop valve closure.

The Plant Nuclear Safety Committee reviewed this incident on June 21, 1973, and it was reported to Mr. W. C. Siedle of Directorate of Regulatory Operations, Region II, by telephone and to Mr. Norman C. Moseley of the same office by telegraph on the same date.

Yours very truly,



E. E. Utley
Vice-President
Bulk Power Supply

WC:NBB:mp

cc: Mr. C. D. Barham
Mr. N. B. Bessac
Mr. B. J. Furr
Mr. D. V. Menscer
Mr. N. C. Moseley
Mr. D. B. Waters

2-0-4-a