

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 3

FILE: _____

FROM: Carolina Power & Light Company Raleigh, N.C. 27602 Mr. N.B. Bessac			DATE OF DOC 12-21-73	DATE REC'D 1-2-74	LTR X	MEMO	RPT	OTHER
TO: R.J. Schemel			ORIG 3 signed	CC	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS <u>XXX</u>	PROP INFO	INPUT	NO CYS REC'D 40		DOCKET NO: 50-261		

DESCRIPTION:
Ltr re our 12-15-72.....trans the following...

ENCLOSURES:
"H.B. Robinson Unit No. 2 Postulated Pipe Failure Analysis Outside of Containment."

ACKNOWLEDGED
(40 cys encl rec'd)

PLANT NAME: H.B. Robinson

see Rpts jacket
DO NOT REMOVE

FOR ACTION/INFORMATION

1-4-74 JB

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/ 4 Copies	W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

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

EXTERNAL DISTRIBUTION

✓ 1 - LOCAL PDR <u>Hartville, S.C.</u>	(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/SAYRE/	1-CONSULTANT'S	1-AGMED (Ruth Gussman)
WOODARD/"H" ST.	NEWMARK/BLUME/AGBABIAN	RM-B-127, GT.
✓ 16 - CYS ACRS HOLDING	1-GERALD ULRIKSON... ORNL	1-RD..MULLER..F-309 GT



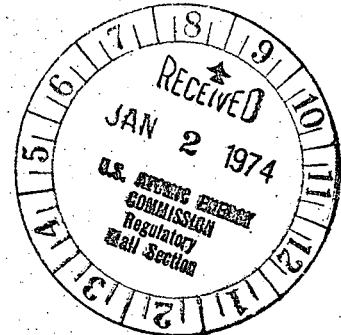
Carolina Power & Light Company
December 21, 1973

File: NG-3514

Serial: NG-73-594

Mr. Robert J. Schemel, Chief
Operating Reactors Branch #1
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

60-262



Dear Mr. Schemel:

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

POSTULATED PIPE FAILURE OUTSIDE CONTAINMENT

By copy of this letter, Carolina Power & Light Company submits forty copies of a report entitled "Postulated Pipe Failure Analysis Outside of Containment," which is a final report of the analyses performed on the various high energy systems lying outside of the containment vessel of the H. B. Robinson Plant to determine the effects of pipe ruptures on safety-related systems and components required to investigate the consequences of the pipe ruptures.

The systems analyzed in the report that fit the definition of high energy piping systems as defined in Mr. Giambusso's letter of December 15, 1972, are the Main Steam System, Feedwater System, Steam Generator Blowdown System, Chemical and Volume Control System, and the Steam Supply to Auxiliary Feedwater Pump Turbine System. The analysis of the systems shows that the plant is adequately protected against postulated ruptures in these systems with the single additional requirement that a jet impingement shield is required to protect the steam system pressure transmitters from a postulated crack in the feedwater line. It is the intention of Carolina Power & Light Company to install this shield during the upcoming refueling outage in April, 1974. With regard to containment integrity, the analysis shows that integrity will be maintained under any of the postulated breaks and resultant pipe whips.

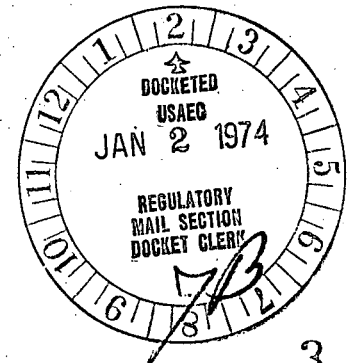
In conclusion, Carolina Power & Light Company feels that continued operation of the H. B. Robinson Plant will not result in an increase in risk to the health and safety of the public, considering the effects of secondary system piping ruptures.

DBW:mvp
Enclosure

Yours very truly,

cc: Messrs. C. D. Barham
T. E. Bowman
B. J. Furr
D. V. Menscer
E. E. Utley
D. B. Waters

N. B. Bessac
Manager
Nuclear Generation



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