

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 6232

FROM:		DATE OF DOC:	DATE REC'D	LTR	MEMO	RPT	OTHER
Carolina Power & Light Company Raleigh, N. C. 27602 E. E. Utley		11-10-72	11-14-72	X			
TO:		ORIG	CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
Mr/ O'Leary		1					
CLASS: <u>U</u> PROP INFO		INPUT	NO CYS REC'D	DOCKET NO:			
			1	50-261			
DESCRIPTION: Ltr reporting an incident on 10-19-72 in which the boron injection tank were found to be low in boron concentration.....			ENCLOSURES:				
PLANT NAMES: H. B. Robinson Unit No. 2			DO NOT REMOVE ACKNOWLEDGED				

FOR ACTION/INFORMATION 11-14-72 AB

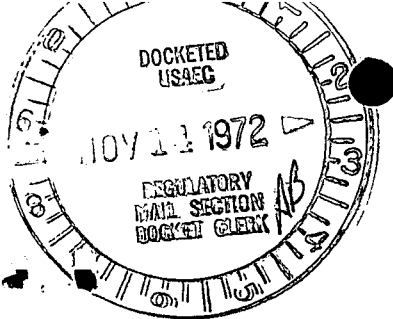
BUTLER(L)	SCHWENGER(L)	✓ SCHEMEL(L)	KNIGHTON(E)
W/ Copies	W/ Copies	W/ 9 Copies	W/ Copies
CLARK(L)	STOLZ(L)	ZIEMANN(L)	YOUNGBLOOD(E)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
GOLLER(L)	VASSALLO(L)	CHITWOOD(FM)	REGAN(E)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
KNIEL(L)	H. DENTON	DICKER(E)	
W/ Copies	W/ Copies	W/ Copies	

INTERNAL DISTRIBUTION

✓ REG FILE	TECH REVIEW	✓ VOLLMER	HARLESS	WADE	E
✓ AEC PDR	✓ HENDRIE	DENTON		SHAHER	F & M
✓ OGC, ROOM P-506A	✓ SCHROEDER	GRIMES	F & M	BROWN	E
✓ MUNTZING/STAFF	✓ MACCARY	GAMMILL	SMILEY	G. WILLIAMS	E
✓ CASE	✓ LANGE	KASTNER	NUSSBAUMER	E. GOULBOURNE	L
GIAMBUSSO	✓ PAWLICKI	BALLARD		A/T IND	
BOYD-L(BWR)	✓ SHAO	FINE	LIC ASST.	BRAITMAN	
✓ DEYOUNG-L(PWR)	✓ KNUTH		SERVICE L	SALTZMAN	
✓ SKOVHOLT-L	✓ STELLO	ENVIRO	MASON L		
P. COLLINS	✓ MOORE	MULLER	WILSON L	PLANS	
REG OPR	✓ HOUSTON	DICKER	MAIGRET L	MCDONALD	
✓ FILE & REGION (2)	✓ TEDESCO	KNIGHTON	SMITH L	DUBE	
✓ MORRIS	✓ LONG	YOUNGBLOOD	GEARIN L		
✓ STELLE	✓ LAINAS	PROJ LEADER	DIGGS L	INFO	
	✓ BENAROYA		TEETS L	C. MILES	
		REGAN	LEE L		

EXTERNAL DISTRIBUTION

✓ 1-LOCAL PDR Hartville, S. C.	(1)(5)(9)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
✓ 1-DTIE(ABERNATHY)	1-R. CARROLL-OC, GT-B227	1-GERALD LELLOUCHE
✓ 1-NSIC(BUCHANAN)	1-R. CATLIN, E-256-GT	BROOKHAVEN NAT. LAB
1-ASLB-YORE/SAYRE	1-CONSULANT'S	1-AGMED(WALTER KOESTER,
WOODWARD/H. ST.	NEWMARK/BLUME/AGABIAN	Rm C-427, GT)
✓ 16-CYS ACRS HOLDING SENT TO LIC ASST		1-RD...MULLER...F-309GT
S. TEETS ON 11-14-72		



Regulatory

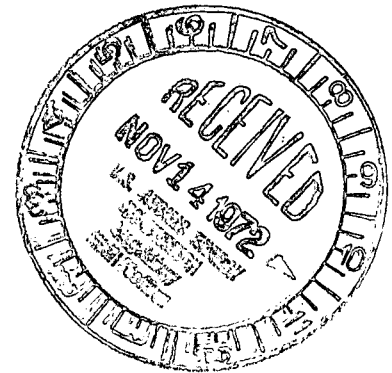
CP&L

Carolina Power & Light Company

1/8 Cy.

50-261

November 10, 1972



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

H. B. ROBINSON UNIT NO. 2
LICENSE DPR-23
DILUTION OF BORON INJECTION TANK

Dear Mr. O'Leary:

In accordance with paragraph 6.6.1.a, Technical Specifications and Bases, it is reported that on October 19, 1972, while operating at 99.5% power, "B" boric acid tank and the boron injection tank were found to be low in boron concentration. The boric acid tank concentration was 19,683 ppm, and the boron injection tank was 19,726 ppm.

The dilution occurred as a result of a test of the safety injection system on October 16, 1972. The safety injection pumps were operated to verify flow through all three cold leg safety injection lines. Valve leakage during this test permitted a small quantity of 1950 ppm solution from the refueling water storage tank to recirculate through the boron injection tank. This was due to the improper seating of suction and discharge isolation valves of the boron injection tank. Subsequent recirculation of boric acid tank "B" with the boron injection tank resulted in both of these tanks being diluted below their required boron concentrations.

To correct the problem, the boron injection tank was recirculated with "A" boric acid tank for 1½ hours, after which the boron injection tank concentration was verified to be 20,152 ppm, which was within specifications. A batch of boric acid was prepared and added to "A" boric acid tank, and two batches of solution from "B" boric acid tank were reprocessed through the boric acid evaporator to return the tank to its proper concentration.

The Plant Nuclear Safety Committee has reviewed this evolution and recommended that an analysis of the boric acid tanks and the boron injection tank be made immediately following any test involving the safety injection system which could cause dilution.

6232
PWS

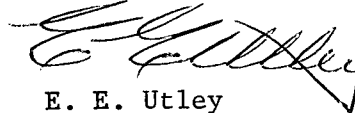
Mr. O'Leary

-2-

November 10, 1972

Mr. Bill Siedle of Region II, Division of Regulatory Operations, was notified by telephone, and Mr. John Davis of the same office was notified by telegraph on October 20, 1972.

Yours very truly,



E. E. Utley
Vice President
Bulk Power Supply

SB/NBB:za

cc: Messrs. C. D. Barham
N. B. Bessac
B. J. Furr
S. Grant