

**AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL**  
(TEMPORARY FORM)

CONTROL NO: 5102

FILE: *misc*

<b>FROM:</b> Carolina Power & Light Co. Raleigh, NC N. B. Bessac		<b>DATE OF DOC</b>  5-31-74	<b>DATE REC'D</b>  6-7-74	<b>LTR</b>  X	<b>MEMO</b>	<b>RPT</b>	<b>OTHER</b>
<b>TO:</b>  J. F. O'Leary		<b>ORIG</b>  2 signed	<b>CC</b>  38	<b>OTHER</b>	<b>SENT AEC PDR</b> <u>XXX</u> <b>SENT LOCAL PDR</b> <u>XXX</u>		
<b>CLASS</b>	<b>UNCLASS</b>	<b>PROP INFO</b>	<b>INPUT</b>	<b>NO CYS REC'D</b>  40	<b>DOCKET NO:</b>  50-261		
	<u>XXX</u>						

**DESCRIPTION:**

Ltr furn info re retention of RCC in upper  
internals package

**ENCLOSURES:**

**ACKNOWLEDGED**  
**DO NOT REMOVE**

**PLANT NAME:** H. B. ROBINSON UNIT #2

FOR ACTION/INFORMATION

6-10-74 GMC

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
PARR(L)	VASSALLO(L)	KNIGHTON(E)	
W/ Copies	W/ Copies	W/ Copies	W/ Copies
KNIEL(L)	✓ PURPLE (L)	YOUNGBLOOD(E)	
W/ Copies	W/9 Copies	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		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>	REED (E)	<u>INFO</u>
DEYOUNG(L)(PWR)	HOUSTON	MULLER	SERVICE (L)	C. MILES
SKOVHOLT (L)	NOVAK	DICKER	SHEPPARD (L)	KLECKER
✓ GOLLER(L)	ROSS	KNIGHTON	SLATER (E)	EISENHUT
P. COLLINS	IPPOLITO	YOUNGBLOOD	SMITH (L)	
DENISE	TEDESCO	REGAN	✓ TEETS (L)	<u>AOR FILE</u>
✓ <u>REG OPR</u>	LONG	PROJECT LDR	WADE (E)	D. THOMPSON (2)
✓ FILE & REGION(3)	LAINAS	✓ <u>DITTMAN</u>	WILLIAMS (E)	
MORRIS	BENAROYA	HARLESS	WILSON (L)	
	VOLLMER			

**EXTERNAL DISTRIBUTION**

✓ 1 - LOCAL PDR CHARTVILLE, SC	(1)(2)(10)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
✓ 1 - TIC (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	1-CONSULTANT'S	1-AGMED(Ruth Gussman)
1 - P. R. DAVIS (AEROJET NUCLEAR)	NEWMARK/BLUME/AGBABIAN	RM-B-127, GT.
✓ 16 - CYS ACRS <del>HOLDING</del>	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-309 GT
Sent to Lic Asst Teets 6-10-74	1-B & M SWINEBROAD, Rm E-201 GT	



Carolina Power & Light Company

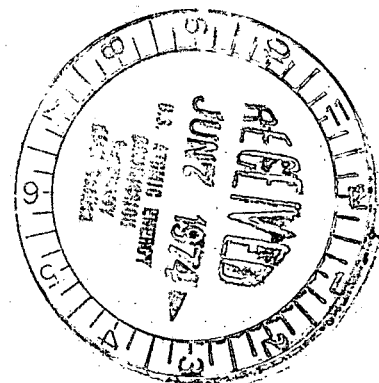
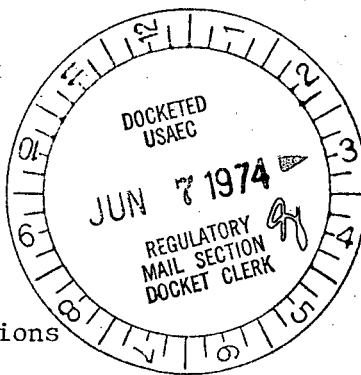
May 31, 1974

File: NG-3513 & NG-3514

Serial: NG-74-679

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

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



Dear Sirs:

**50-261**

H. B. ROBINSON UNIT NO. 2

LICENSE NO. DPR-23

RETENTION OF RCC IN UPPER INTERNALS PACKAGE

In accordance with established practices of reporting items of interest to the AEC, the following is submitted for your information.

H. B. Robinson Unit No. 2 was retired on Monday, May 6, 1974, for our annual refueling outage. Following various primary system maintenance, the reactor vessel head was removed on May 22, 1974, and the cavity flooded early on the morning of the 24th. Shortly after noon on the 24th, the upper internals package was removed and stored in its rack in the north end of the reactor vessel cavity. At 0315 on May 25, 1974, the first fuel element was removed from the core for inspection and/or replacement. Fuel movement continued smoothly until 1412 on May 26, at which time, it was discovered that the RCC assembly was missing from Fuel Element B-4 which was removed from core position N-7. An investigation was immediately begun, and through visual inspection, it was determined that the RCC rodlets were protruding about 36 inches sideways from beneath the upper internals package on the west side of the R. V. Cavity.

An evaluation was made at this time to insure adequate shutdown margin was available with this RCC out of the core. It was determined that with our boron concentration of 2154 ppm we were in excess of the margin of 10% required by the Technical Specifications.

**REGULATORY DOCKET FILE COPY**

Messrs. O'Leary and Moseley

- 2 -

May 31, 1974

Discussion with the control operator who monitored the nuclear instrumentation and review of the recorders verified no change in the source counts during the period of upper internals lifting. Procedure review produced no deviations from the required sequence of operations in unlatching the RCC's from their drive shafts, therefore, a solution to the problem is not available at this time.

As the condition presented no safety hazards, fuel handling operations were resumed.

Westinghouse Nuclear Services personnel will be on site on May 29, 1974, to assist in evaluation of the problem and to perform an inspection of the upper internals package. Efforts are continuing to determine the reason for the RCC being lifted with the upper internals and to determine methods to prevent a recurrence of this type problem.

A final report will be submitted for this unusual event within 30 days.

Yours very truly,

  
N. B. Bessac

Manager  
Nuclear Generation

JBM:DBW:mvp

cc: Messrs. B. J. Furr  
W. E. Graham  
D. V. Menscer  
E. E. Utley  
D. B. Waters  
R. A. Watson