

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

CONTROL NO: 5676

FILE: \_\_\_\_\_

<b>FROM:</b> Carolina Power & Light Co. Raleigh, NC E. E. Utley			<b>DATE OF DOC</b>  6-17-74	<b>DATE REC'D</b>  6-24-74	<b>LTR</b>  X	<b>TWX</b>	<b>RPT</b>	<b>OTHER</b>
<b>TO:</b>  John F. O'Leary			<b>ORIG</b>  2 signed	<b>CC</b>  38	<b>OTHER</b>	<b>SENT AEC PDR</b> XXX <b>SENT LOCAL PDR</b> XXX		
<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		
	XXX							

**DESCRIPTION:**  
  
Ltr furn info re abnormal occurrence of 5-31-74  
re damaged RCCA drive shaft.....

**ENCLOSURES:**

**ACKNOWLEDGED  
DO NOT REMOVE**

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

**FOR ACTION/INFORMATION 6-24-74 GMC**

BUTLER (L)	SCHWENCER (L)	ZIEMANN (L)	REGAN (E)
W/ CYS	W/ CYS	W/ CYS	W/ CYS
CLARK (L)	STOLZ (L)	DICKER (E)	
W/ CYS	W/ CYS	W/ CYS	W/ CYS
PAPP (L)	VASSALLO (L)	KNIGHTON (E)	
W/ CYS	W/ CYS	W/ CYS	W/ CYS
KNIEL (L)	PURPLE (L)	YOUNGBLOOD (E)	
W/ CYS	W/7 CYS	W/ CYS	W/ CYS

**INTERNAL DISTRIBUTION**

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

**EXTERNAL DISTRIBUTION**

<input checked="" type="checkbox"/> 1 - LOCAL PDR HARTVILLE, SC	(1)(2)(10)-NATIONAL LABS	1-PDR-SAN/LA/NY
<input checked="" type="checkbox"/> 1 - TIC (ABERNATHY)	1-ASLBP(E/W Bldg, Rm 529)	1-BROOKHAVEN NAT LAB
<input checked="" type="checkbox"/> 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 GUSSMAN)
<input checked="" type="checkbox"/> 1 - P. R. DAVIS	1-CONSULTANTS	Rm B-127 GT
<input checked="" type="checkbox"/> 16 - ACRS HOLDING	NEWMARK/BLUME/AGBABIAN	1-RD..MUELLER, Rm F-309
Sent to Lic Asst Teets 6-24-74		GT

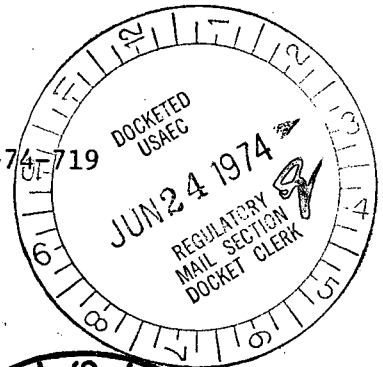


Carolina Power & Light Company

June 17, 1974

File: NG-3513 and NG-3514

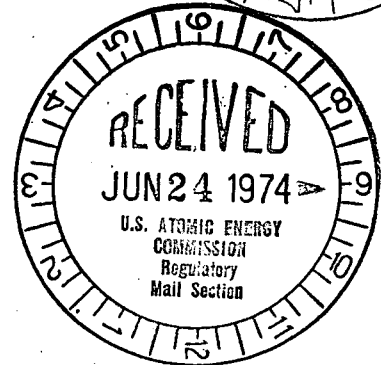
Serial: NG-74-719



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

50 - 261

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:

H. B. ROBINSON UNIT NO. 2  
LICENSE NO. DPR-23  
RETENTION OF RCC IN UPPER INTERNALS PACKAGE  
(FINAL REPORT)

In accordance with Section 6.6.2.b of the Technical Specifications the following final report concerning the unusual event reported to you on May 31, 1974, is submitted for your information.

As stated in our preliminary report, Westinghouse Nuclear Services personnel arrived on site Wednesday, May 29, 1974, to assist in evaluating the problem, and inspect the upper internals guide tubes and the damaged RCCA drive shaft. An attempt was made on Thursday, May 30, 1974, to unlatch the drive shaft from the RCCA but was unsuccessful due to the force being applied to the RCCA spider by the bent rodlets which were lying on the cavity floor. On Friday, May 31, 1974, the upper internals package was lifted, relieving the pressure on the spider, permitting the RCCA drive shaft to be unlatched from the spider hub. The drive shaft was removed from the guide tube and on June 1 and 2 borescope inspections were performed on the guide tube by Westinghouse personnel with no abnormalities observed.

The lower portion of the upper internals package was inspected by use of an underwater T.V., with all areas observed showing no damage from the event.

**REGULATORY DOCKET FILE COPY**

June 17, 1974

On June 2 a visual inspection was performed on the drive shaft. Slight scarring was observed on the latching pins, therefore, this shaft was replaced with a spare.

A new RCCA was received from the Westinghouse fabrication shop in Columbia, South Carolina and was installed in the fuel element to be inserted in core position N-7.

Core loading was completed and the upper internals package installed in the Reactor Vessel on June 9, 1974. All drive shafts were latched and tested as per Refueling Instruction, F.T. 9.7. As an additional precaution, the RCCA in position N-7 was withdrawn and inserted three additional times with weight and drag being observed and recorded to insure proper operation.

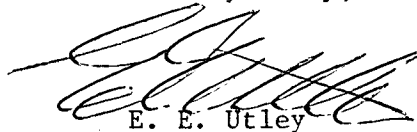
The Reactor Vessel Head was replaced on June 10, 1974, and preparation made to continue refueling maintenance activities.

This event has been reviewed and no malfunction of components or equipment has been observed. Although procedures were followed and check off sheets completed, it must be assumed that, through operator error, one step in the unlatching process was performed out of sequence which allowed the shaft to be relatched while disconnecting the tool from the shaft.

To prevent recurrence of this type event, the procedure will be revised with the final step requiring a "tool only" weight observation to insure unlatching has indeed taken place.

All operations personnel have been cautioned to follow procedures explicitly and to exercise extreme caution when handling any fuel or Reactor components.

Yours very truly,



E. E. Utley  
Vice-President  
Bulk Power Supply

JBM:DBW:mvp

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