

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

CONTROL NO. 13202

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

FROM: Carolina Power & Light Co. Raleigh, N.C. E.E. Utley			DATE OF DOC 11-18-75	DATE REC'D 11-19-75	LTR XXXXXX	TWX	RPT	OTHER
TO: Mr. Benard C. Rusche			ORIG 3-signed	CC 37	OTHER	SENT NRC PDR _____ SENT LOCAL PDR _____		
CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 40		DOCKET NO: 50-261		
XXXXXX								
DESCRIPTION:  Ltr re their 8-3-75 ltr ..... furn addl info concerning Core Performance Startup testing .... notarized 11-18-75 ....				ENCLOSURES:  <b>ACKNOWLEDGED</b> <b>DO NOT REMOVE</b>				
PLANT NAME: H.B. Robinson #2								

**FOR ACTION/INFORMATION**

11-25-75 JGB

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies	✓ REID (L) W/ 6 COPIES
CLARK (L) W/ Copies	STOLZ (L) W/ Copies	DICKER (E) W/ Copies	LEAR (L) W/ Copies	
PARR (L) W/ Copies	VASSALLO (L) W/ Copies	KNIGHTON (E) W/ Copies	<b>SPIES</b> W/ Copies	
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	<b>LPM</b> W/ Copies	

**INTERNAL DISTRIBUTION**

<u>REG FILE</u> NRC PDR OGC, ROOM P-506A GOSSICK/STAFF CASE GIAMBUSSO BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE REG OPR FILE & REGION (2) ✓ HIPC	<u>TECH REVIEW</u> SCHROEDER MACCARY KNIGHT PAWLICKI SHAO ✓ STELLO HOUSTON NOVAK ROSS IPPOLITO TEDESCO J. COLLINS LAINAS BENAROYA VOLLMER	DENTON GRIMES GAMMILL ✓ KASTNER BALLARD SPANGLER  <u>ENVIRO</u> MULLER DICKER KNIGHTON YOUNGBLOOD REGAN ✓ PROJECT LDR <b>DI HAN</b> HARLESS	<u>LIC ASST</u> R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. RUSHBROOK (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) R. INGRAM (L) M. DUNCAN (E)	<u>A/T IND</u> BRAITMAN SALTZMAN MELTZ  <u>PLANS</u> MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON  <b>HANAUER</b>
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**EXTERNAL DISTRIBUTION**

✓ - LOCAL PDR Hartsville, S.C. ✓ - TIC (ABERNATHY) (1)(2)(10) ✓ - NSIC (BUCHANAN) 1 - ASLB 1 - Newton Anderson ✓ 1 - ACRS <del>HOE</del> SENT  to L.A.	- NATIONAL LABS 1 - W. PENNINGTON, Rm E-201 GT 1 - CONSULTANTS NEWMARK/BLUME/AGBABIAN	1 - PDR-SAN/LA/NY 1 - BROOKHAVEN NAT LAB 1 - G. ULRIKSON ORNL
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*JPG*

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Carolina Power & Light Company

Regulatory

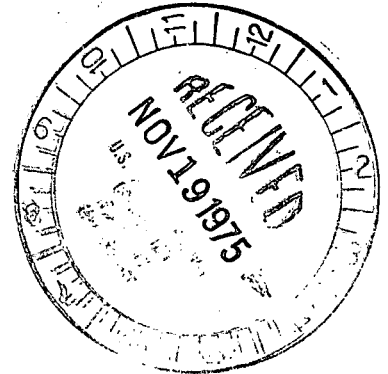
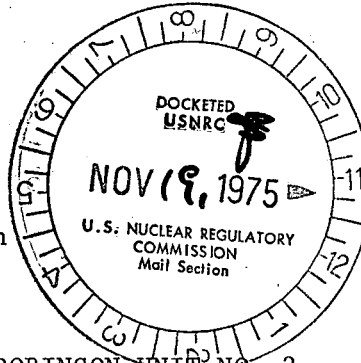
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FILE: NG-3514(R)

November 18, 1975

SERIAL: NG-75-2054

Mr. Benard C. Rusche, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555



RE: H. B. ROBINSON UNIT NO. 2  
DOCKET NO. 50-261  
FACILITY OPERATING LICENSE NO. DPR-23

Dear Mr. Rusche:

As a result of discussions with your staff regarding the Cycle 4 startup test program, Carolina Power & Light Company proposes to perform testing in addition to that contained in Enclosure A to our letter to you of August 3, 1975.

The additional testing to be performed subsequent to initial criticality will consist in part of an extension of the Boron Dilution Test (CPL-R-6.3) to measure differential and integral rod worth for the "B" rod bank in addition to "C" and "D" banks. At the end of this test, 21 out of the total of 45 full-length rods will be inserted, accounting for close to half of the total inserted rod worth. The distribution of the three rod banks throughout the core will assure a representative extrapolation to the total rod worth. The acceptance criteria will be the same as set forth in the enclosure to our letter of October 17, 1975, namely  $\pm 10\%$  for the individual bank worths and  $\pm 10\%$ ,  $-5\%$  for combined bank worths as predicted by the fuel vendor.

In addition to the B bank insertion, the worst ejected rod from the B, C, and D bank configuration will also be measured. This measurement will verify the full-core analytical model used to calculate stuck and ejected rods by providing a comparison of measured and calculated ejected rod worths. A movable detector map (CPL-R-9.4) will also be taken to verify the calculation of peak hot channel factors. The acceptance criteria for this test will require ejected rod worth no greater than 5% in excess of the calculated worth, and total peaking factor  $F_q$  no greater than 5% in excess of the calculated value.

November 18, 1975

The Company understands that this additional testing is sufficient to meet your staff's requirements for core performance startup testing. This submittal contains three originals and 37 copies of this letter.

Yours very truly,

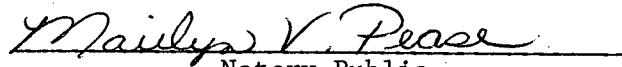


E. E. Utley  
Vice President  
Bulk Power Supply

RLM/nja

Enclosures

Sworn to and subscribed before me this 18th day of November, 1975.

  
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Notary Public

My Commission Expires: October 19, 1980