

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: **8987**

FILE: _____

FROM: Carolina Pwr & Light Raleigh, NC E E Utley		DATE OF DOC 8-22-75	DATE REC'D 9-2-75	LTR XXX	TWX	RPT	OTHER
TO: Mr Rusche		ORIG 3 signed	CC	OTHER	SENT NRC PDR *XX SENT LOCAL PDR *XX		
CLASS	UNCLASS	PROP INFO XXXXX	INPUT	NO CYS REC'D 3	DOCKET NO: 50-261		

DESCRIPTION:
Ltr notarized 8-22-75...requesting withholding pursuant to 10CFR2.790...trans the following:

ENCLOSURES:

Info in support of their 8-3-75 submittal concerning cycle 4 reload: Consisting of:

1. ENC rpt XN-75-14 "Plant transient analysis"
2. ENC rpt XN-75-44 "Control Rod Ejection Accident ..." *see Rpt*
3. ENC rpt XN-74-5 "Rev I to Description of transient simulation model...(40 cys encl recd)" *see Rpts prop*

* DENOTES WITHOUT PROP ENCL

PLANT NAME: H B Robindon

FOR ACTION/INFORMATION

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies	REID (L) W/4 COPIES #4-#7
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	SPIES W/ Copies	ACKNOWLEDGED
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	LPM W/ Copies	DO NOT REMOVE

INTERNAL DISTRIBUTION

REG FILE 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 #2+3 FILE & REGION (2) MIPC	TECH REVIEW SCHROEDER MACCARY KNIGHT PAWLICKI SHAO STELLO #8 HOUSTON NOVAK #9-411 ROSS #12 IPPOLITO TEDESCO #13 J. COLLINS LAINAS #14 BENAROYA VOLLMER	DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR HARLESS	LIC ASST R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. RUGHBROOK (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) #32-40 M. DUNCAN (E)	A/T IND BRAITMAN SALTZMAN MELTZ PLANS MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON VARGA #15
--	--	--	--	---

EXTERNAL DISTRIBUTION

MISC 2

- * 1 - LOCAL PDR *Hartsville, S.C.*
- 1 - TIC (ABERNATHY) (1)(2)(10)
- 1 - NSIC (BUCHANAN)
- 1 - ASLB
- 1 - Newton Anderson
- 1 - NATIONAL LABS
- 1 - W. PENNINGTON, Rm E-201 GT
- 1 - CONSULTANTS
- NEWMARK/BLUME/AGBABIAN
- 16 - ACRS HOLDING/SENT *#16-#31*
- To L.A. Ingram*

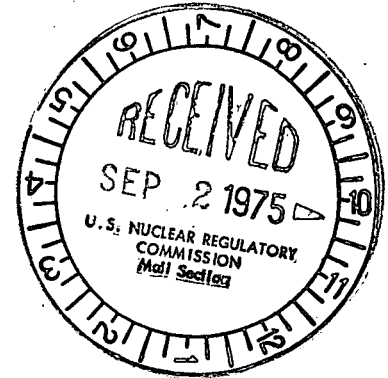
- 1 - PDR-SAN/LA/NY
- 1 - BROOKHAVEN NAT LAB
- 1 - G. ULRIKSON ORNL

REC-1000 DOCKET FILE COPY
CP&L

Carolina Power & Light Company

August 22, 1975

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 DPR-23

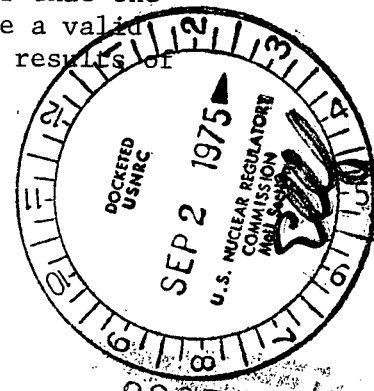
Dear Mr. Rusche:

Carolina Power & Light Company (CP&L) submits five copies each of the following Exxon Nuclear Company, Inc. (ENC) reports:

1. ENC Report XN-75-14 titled "Plant Transient Analysis of the H. B. Robinson Unit 2 PWR for 2300 MWt."
2. ENC Report XN-75-44 titled "Control Rod Ejection Accident for H. B. Robinson Unit 2 Based on Exxon Nuclear Reload Fuel."
3. ENC Report XN-74-5, Revision 1, titled "Description of Exxon Nuclear Plant Transient Simulation Model for Pressurized Water Reactors (PTS-PWR)."

Thirty-five (35) copies of each report will be transmitted directly to the NRC by ENC.

The submittal of these reports fulfills the commitments in our August 3, 1975, reload application to provide a description and verification of the ENC plant transient simulation (PTS) model and the Cycle 4 accident and transient analysis. ENC Report XN-75-14 provides both a verification of the PTS and the analysis of the plant transient for H. B. Robinson Unit No. 2 Cycle 4 operation. PTS verification is demonstrated by comparing the analysis presented in ENC Report XN-75-14 with the transient analysis results performed for Cycle 3 operation at 2300 MWt. CP&L and ENC concur that the comparison of the transient analysis for these two cycles provide a valid verification of the PTS model. ENC Report XN-75-44 presents the results of the analysis of the control rod ejection accident for Cycle 4.



ENC Report XN-74-5 provides a description of the PTS model used by ENC in analyzing plant transients which affect the reactor system. ENC requests that the NRC withhold ENC Report XN-74-5 from public disclosure pursuant to 10CFR2.790(b) for the following reasons:

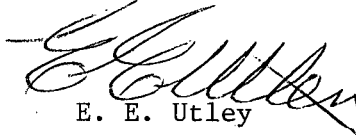
1. It reveals certain distinguishing aspects of fuel design evaluations where prevention of its use by any of ENC's competitors without license from ENC constitutes a competitive economic advantage over other companies.
2. It contains description of analytical methods, which methods secure competitive economic advantage by design optimization and improved marketability.
3. Its use by a competitor would reduce his expenditure of resources or improve his competitive position in the design and manufacturer of a similar product.

Enclosed are forty (40) copies of page changes to ENC Report XN-75-38 which was submitted by our August 3, 1975, letter. The page changes should be incorporated in the five copies transmitted by our August 3 letter and the 35 copies transmitted by Mr. G. F. Owsley's letter to Mr. Benard C. Rusche dated August 12, 1975.

Three originals and 40 copies of this transmittal letter are submitted. This submittal and our August 3 submittal should provide the technical information, except for the ECCS analysis necessary to demonstrate conformance to Appendix K 10CFR50, to evaluate Cycle 4 operation. The ECCS analysis is scheduled to be submitted for your review by September 15, 1975.

Your prompt review of the reload application will be appreciated.

Yours very truly,

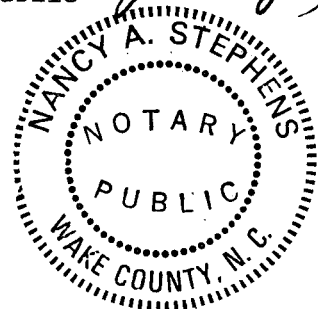

E. E. Utley
Vice President
Bulk Power Supply

RLM/kr
Enclosures

Sworn to and subscribed before me this 22nd day of August , 1975.


Notary Public

My commission expires: June 29, 1976



EXXON NUCLEAR COMPANY, Inc.

2101 Horn Rapids Road, Richland, Washington 99352

PHONE: (509) 946-9621

August 22, 1975

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

Dear Mr. Rusche:

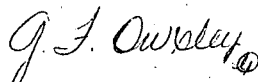
Subject: XN-74-5, "Description of the Exxon Nuclear Plant Transient
Simulation Model for Pressurized Water Reactors (PTS-PWR),"
Rev. 1, May 15, 1975

XN-75-14, "Plant Transient Analysis of the H. B. Robinson
Unit 2 PWR for 2300 Mwt," July 15, 1975

XN-75-44, "Control Rod Ejection Accident for H. B. Robinson
Unit 2 Based on Exxon Nuclear Reload Fuel," July 25, 1975

In their letter of August 22, 1975, Carolina Power and Light Company provided information in support of the scheduled H. B. Robinson Unit 2 Cycle 4 operation, including five copies of the subject reports. This letter transmits the 35 additional copies of XN-74-5, XN-75-14, and XN-75-44 referred to in CP&L's August 22 letter.

Sincerely,



G. F. Owsley, Manager
Reload Licensing

GFO:lp

Enclosures

Copy to:
Mr. D. N. Bridges