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 AUTH. NAME: AUTHOR AFFILIATION
 CUTTER, A.B. Carolina Power & Light Co.
 RECIP. NAME: RECIPIENT AFFILIATION
 VARGA, S.A. Operating Reactors Branch 1

SUBJECT: Provides clear description of util operating plans under revised Exxon analyses. High flux trip setpoint to value allowed by facility Tech Specs will be reset.

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Carolina Power & Light Company

OCT 1 5 1985

SERIAL: NLS-85-371

Director of Nuclear Reactor Regulation
Attention: Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing
United States Nuclear Regulatory Commission
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23
OPERATING PLANS UNDER REVISED LOCA ANALYSIS

Dear Mr. Varga:

Carolina Power & Light Company's (CP&L) submittal of October 8, 1985 concerning the recently discovered error in Exxon fuel calculations outlined immediate corrective actions taken at the H. B. Robinson Steam Electric Plant, Unit No. 2 (HBR2). As discussed in a conference call with the NRC on October 11, 1985, these immediate corrective actions were more restrictive than required by results of Exxon analyses performed after correction of the error. This transmittal provides a clear description of CP&L's operating plans under the revised analyses.

Attachment 1 provides the results of the Exxon analyses for HBR2 which use currently approved methods and computer codes. Abiding by the F_Q and $K(Z)$ limits shown will ensure that peak clad temperatures will not exceed 2200°F. The immediate corrective actions taken by CP&L to restrict power to below 92% and reduce the high neutron flux trip setpoints are no longer required, since the new analyses do not, in any way, depend on these restrictions. Carolina Power & Light Company intends to reset the high flux trip setpoint to the value allowed by HBR2 Technical Specifications and increase power to a level such that the F_Q and $K(Z)$ values in Attachment 1 will not be exceeded.

Questions regarding this matter may be directed to Mr. Stephen Floyd at (919) 836-6901.

Yours very truly,

A. B. Cutter - Vice President
Nuclear Engineering & Licensing

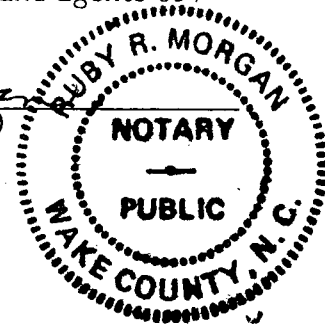
ABC/BAT/ccc (2029BAT)

cc: Dr. J. Nelson Grace (NRC-RII)
Mr. G. Requa (NRC)
Mr. H. Krug (NRC Resident Inspector - RNP)

A. B. Cutter, having been first duly sworn, did depose and say that the information contained herein is true and correct to the best of his information, knowledge and belief; and the sources of his information are officers, employees, contractors, and agents of Carolina Power & Light Company.

My commission expires: 11/27/89

Notary (Seal)



411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

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ATTACHMENT 1

TABLE 1
H. B. ROBINSON UNIT 2 LOCA/ECCS LIMITS

0 to 9 MWD/Kg <u>Peak Rod Average Exposure</u>			9 to 49 MWD/Kg <u>Peak Rod Average Exposure</u>		
<u>X/L</u>	<u>F_Q(Z)</u>	<u>K(Z)</u>	<u>X/L</u>	<u>F_Q(Z)</u>	<u>K(Z)</u>
0.000	2.130	1.000	0.000	2.320	1.000
0.500	2.130	1.000	0.500	2.320	1.000
0.916	1.690	0.793	0.916	1.726	0.744
1.000	0.835	0.392	1.000	0.835	0.360