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 FACIL:50-261 H.B. Robinson Plant, Unit 2, Carolina Power & Light C 05000261
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 MCDUFFIE,M.A. Carolina Power & Light Co.
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SUBJECT: Provides supplemental info re util response to NRC Bulletin 88-004.

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Carolina Power & Light Company

P. O. Box 1551 • Raleigh, N. C. 27602

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M. A. McDUFFIE
Senior Vice President
Nuclear Generation

United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23
NRC BULLETIN NO. 88-04 POTENTIAL SAFETY-RELATED PUMP LOSS
SUPPLEMENTAL RESPONSE

Gentlemen:

Carolina Power & Light Company (CP&L) hereby submits supplemental information for the H. B. Robinson Steam Electric Plant, Unit No. 2 (HBR2) as requested by NRC Bulletin No. 88-04.

The initial response to the bulletin stated that Auxiliary Feedwater (AFW) Pump operation on miniflow recirculation for less than 30 minutes was acceptable. Operation for greater than 30 minutes was also believed to be an acceptable condition, but would require further evaluation to substantiate this belief.

The evaluation has been completed and based on the results of the evaluation, the AFW pumps can be operated for an unlimited time on mini-low flow recirculation. Current operating practices are satisfactory and there is no further need for procedural time restrictions on pump operation during miniflow recirculation.

The initial response to the bulletin also stated that the RHR miniflow recirculation capacity was not adequate during two-pump operation for long periods of time. Therefore, emergency procedures currently require plant operators to terminate two-pump operation within nine minutes if reactor coolant system pressure remains above RHR pump shutoff head (approximately 170 psig). This is an acceptable solution until an engineering solution can be designed and installed.

Since the initial response to the Bulletin, Plant engineers have acquired portable technology that allows the accurate characterization of pipe flow. During the upcoming fuel cycle, this technology will be utilized to profile the RHR recirculation flow in order to choose which of several design options provides the most reliable pump performance for the lowest radiation exposure to personnel. The design option will be chosen in 1990 and will be installed in the 1991 Refueling Outage.

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Should you have any questions regarding this matter, please contact Mr. L. I. Loflin at (919) 836-6242.

Yours very truly,

M A McDuffie

M. A. McDuffie

MAM/DBB/crs (210CRS)

cc: Mr. M. L. Ernst
Mr. R. Lo
Mr. L. Garner (NRC - HBR)

M. A. McDuffie, 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

Ruby R. Morgan
Notary (Seal)

