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SUBJECT: Responds to NRC Bulletin 88-002, "Rapidly Propagating Fatigue Cracks in Steam Generator Tubes."

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NOTES:Application for permit renewal filed.

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OCT 27 1988

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United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
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SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400/LICENSE NO. NPF-63
RESPONSE TO NRC BULLETIN NO. 88-02

Gentlemen:

Carolina Power & Light Company (CP&L) hereby submits additional information in response to NRC Bulletin No. 88-02, "Rapidly Propagating Fatigue Cracks in Steam Generator Tubes," for the Shearon Harris Nuclear Power Plant (SHNPP). NRC Bulletin 88-02 requested that holders of operating licenses for Westinghouse designed nuclear power reactors with steam generators having carbon steel support plates review steam generator inspection data for evidence of denting of the uppermost support plate. By letter dated March 24, 1988, CP&L submitted its initial response to this Bulletin, which committed to complete an inspection of at least 3% of the steam generator U-tubes at the uppermost support plate. These inspections were completed on September 12, 1988, during the scheduled refueling outage.

The following number of tubes were inspected in each steam generator:

<u>Steam Generator No.</u>	<u>No. of Tubes Inspected</u>	<u>%</u>
1A-SN	939	20
1B-SN	928	20
1C-SN	926	20

The inspections indicated no evidence of tube denting at the uppermost support plate, and no evidence of excessive magnetite in the tube-to-support plate crevices.

Since the inspection did not indicate a problem at SHNPP, interim controls implemented as required by the Bulletin 88-02 could be discontinued. Carolina Power & Light Company intends to maintain these controls as a prudent measure to detect and respond to primary to secondary leakage. However, these are considered voluntary measures which can be discontinued or modified without prior notice to the NRC, unless future inspections reveal denting problems in the uppermost support plate region.

As required by Bulletin Item B, CP&L hereby commits to review the results of future steam generator tube inspections for evidence of denting at the uppermost support plate. If denting is found in the future, a program to satisfy the provisions of Bulletin Item C will be implemented.

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PDR ADOCK 05000400
Q PDC

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

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No further action is required by NRC Bulletin 88-02, and CP&L considers this item closed for SHNPP.

Yours very truly,

M. A. McDuffie

M. A. McDuffie
Senior Vice President
Nuclear Generation

MAM/JHE/lah (5479JHE)

cc: Mr. W. H. Bradford
Mr. B. C. Buckley
Mr. Malcolm L. Ernst (Acting Regional Administrator)

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)

