



Carolina Power & Light Company

September 14, 1981

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NG-3514(R)

Serial No.: NO-81-1505

Mr. J. P. O'Reilly, Director
Region II
United States Nuclear Regulatory Commission
101 Marietta Street, N.W.
Atlanta, GA 30303

BRUNSWICK STEAM ELECTRIC PLANT UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
H. B. ROBINSON STEAM ELECTRIC PLANT UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
PROMPT NOTIFICATION SYSTEM



Dear Mr. O'Reilly:

By letter dated July 27, 1981, Carolina Power & Light Company (CP&L) described to you the prompt notification systems at both our Brunswick Steam Electric Plant and H. B. Robinson Steam Electric Plant. CP&L stated that both systems would be fully implemented by September 30, 1981. By letters addressed to Mr. J. M. Hendrie, dated June 30, 1981, CP&L had requested exemption from the requirements of Section IV.D.3 of Appendix E to 10CFR Part 50 by extending the completion date for the prompt notification systems from July 1, 1981 to September 30, 1981.

CP&L has completed its original commitment to install by September 30, 1981 the Brunswick and Robinson prompt notification systems previously described. The thirteen sirens in the original prompt notification system design at Robinson and the nine sirens in the original design for Brunswick have been completely installed and field tested by radio activation from the county warning points for counties within each Emergency Planning Zone (EPZ). One siren at Robinson failed its radio activation test and will be resited to obtain improved radio reception of the control signal. When tested, the siren equipment performed according to the manufacturer's specifications with respect to sound level output. However, due to higher than expected background noise levels and higher than expected dissipation, the maximum measured effective range of the sirens was only 1.5 miles. The projected range in the original design of the prompt notification system was 3.25 miles as discussed with the NRC/FEMA Policy Committee on February 23, 1981.

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As a result, the systems at both plants cover only thirty percent of each plant ten-mile EPZ. In order to complete coverage of the ten-mile EPZ, Robinson will require 32 additional sirens and Brunswick will require 21. Fifty-three (53) Federal Signal Thunderbolt sirens have already been ordered. CP&L is committed to installing and field testing the additional sirens as soon as possible. However, unforeseen delays due to equipment or right-of-way procurement may be experienced. In any case, CP&L will make every effort to install the additional sirens at both Robinson and Brunswick and field test the expanded prompt notification systems by February 1, 1982. CP&L will inform you should any delays be experienced that may hinder completion by this date.

If you have any questions on this subject, please contact our staff.

Yours very truly,



E. E. Utley
Executive Vice President
Power Supply and
Engineering & Construction

CNH/lr (5509)

cc: Mr. B. R. Grimes, Director
Division of Emergency Preparedness
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. J. D. Neighbors (NRC)
Mr. J. Van Vliet (NRC)