



Carolina Power & Light Company

SERIAL: NLS-85-129

APR 26 1985

Director of Nuclear Reactor Regulation
Attention: Mr. D. B. Vassallo, Chief
Operating Reactors Branch No. 2
Division of Licensing
United States Nuclear Regulatory Commission
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1
DOCKET NO. 50-325/LICENSE NO. DPR-71
REQUEST FOR LICENSE AMENDMENT
FUEL CYCLE NO. 5 - RELOAD LICENSING

Dear Mr. Vassallo:

SUMMARY

In accordance with the Code of Federal Regulations, Title 10, Parts 50.90 and 2.101, Carolina Power & Light Company (CP&L) hereby requests revisions to the Technical Specifications (TS) for the Brunswick Steam Electric Plant, Unit No. 1. These revisions are necessary to complete the fourth refueling of Brunswick-1 and begin Fuel Cycle 5 operation.

DISCUSSION

The proposed changes to the TS incorporate revised minimum critical power ratio (MCPR) values, revised maximum average planar linear heat generation rate (MAPLHGR) values for the new BP8DRB299 fuel type, additional MAPLHGR values for fuel types P8DRB285, P8DRB265H, and P8DRB299, and the deletion of references to the old 8 x 8 fuel type which has been removed from the core. A copy of General Electric Report No. 23A4663, Rev. 0, "Supplemental Reload Licensing Submittal for Brunswick Steam Electric Plant, Unit 1, Reload 4" is being forwarded with this letter.

SIGNIFICANT HAZARDS ANALYSIS

The Commission has provided guidance concerning the application of its standards set forth in 10 CFR 50.92 for no significant hazards consideration by providing certain examples published in the Federal Register on April 6, 1983 (48 FR 14864). One of the examples of an amendment likely to involve no significant hazards consideration is (iii) a change resulting from a nuclear reactor core reloading, if no fuel assemblies significantly differ from those found previously acceptable to the NRC for a previous core at the facility. Carolina Power & Light Company has reviewed this request and determined that the proposed changes fall within the criteria of example (iii). Therefore, operation of the facility in accordance with the proposed amendment would not: (1) involve a significant increase in the probability or consequences of an accident previously evaluated; or (2) create the possibility of a new or different kind of accident from any accident previously evaluated; or (3) involve a significant reduction in a margin of safety. As such, the proposed amendment involves no significant hazards consideration.

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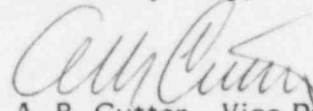
ADMINISTRATIVE INFORMATION

The proposed Brunswick-1 TS pages, along with a summary list of changes made to each page, are included in Enclosure 1. Issuance of this amendment is required by September 1, 1985 in order to support startup of Brunswick-1.

Carolina Power & Light Company has evaluated this request in accordance with the provisions of 10 CFR 170.12 and determined that a license amendment application fee is required. A check for \$150 is enclosed in payment of this fee.

Should you have any questions concerning this submittal, please contact Mr. Sherwood R. Zimmerman at (919) 836-6242.

Yours very truly,



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

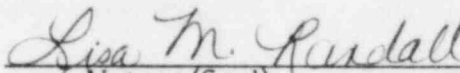
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Enclosures

cc: Mr. L. W. Garner (NRC-BNP)
Dr. J. Nelson Grace (NRC-R11)
Mr. M. Grotenhuis (NRC)

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: 5/18/88


Notary (Seal)

