

September 20, 1977

Docket No. 50-324

Carolina Power & Light Company
ATTN: Mr. J. A. Jones
Executive Vice President
336 Fayetteville Street
Raleigh, North Carolina 27602

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JBishop, OELD
PO'Connor

Gentlemen:

The Commission has filed the enclosed "Notice of Proposed Issuance of Amendment to Facility Operating License" with the Office of the Federal Register for publication. This notice relates to your request dated August 22, 1977, for approval to amend License No. DPR-61 for the Brunswick Steam Electric Plant, Unit No. 2.

The amendment would authorize operation of Brunswick Steam Electric Plant in Cycle 2 after refueling with 140 fuel assemblies, each containing an 8 X 8 array of fuel rods.

Sincerely,

/s/

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosure:
Notice

cc w/encl:
See next page

OFFICE	DOR:ORB#1	DOR:ORB#2	OELD	DOR:ORB#1		
SURNAME	CMTrammell	PO'Connor	A. Mitchell	ASchwencer		
DATE	9/12/77	9/12/77	9/14/77	9/30/77		



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

September 20, 1977

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The amendment would authorize operation of Brunswick Steam Electric Plant in Cycle 2 after refueling with 140 fuel assemblies, each containing an 8 X 8 array of fuel rods.

Sincerely,

A handwritten signature in cursive script, appearing to read "A. Schwencer", is written over the typed name.

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosure:
Notice

cc w/encl:
See next page

September 20, 1977

cc: Richard E. Jones, Esquire
Carolina Power & Light Company
336 Fayetteville Street
Raleigh, North Carolina 27602

George F. Trowbridge, Esquire
Shaw, Pittman, Potts & Trowbridge
1800 M Street, NW
Washington, D. C. 20036

John J. Burney, Jr., Esquire
Burney, Burney, Sperry & Barefoot
110 North Fifth Avenue
Wilmington, North Carolina 28401

Southport - Brunswick County Library
109 W. Moore Street
Southport, North Carolina 28461

Mr. Steve J. Varnam
Chairman, Board of County
Commissioners of Brunswick County
Southport, North Carolina 28461

Office of Intergovernmental
Relations
116 West Jones Street
Raleigh, North Carolina 27603

Chief, Energy Systems
Analyses Branch (AW-459)
Office of Radiation Programs
U.S. Environmental Protection Agency
Room 645, East Tower
401 M Street, SW.
Washington, D.C. 20460

U.S. Environmental Protection Agency
Region IV Office
ATTN: EIS COORDINATOR
345 Courtland Street, NW.
Atlanta, Georgia 30308

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-324

CAROLINA POWER & LIGHT COMPANY

NOTICE OF PROPOSED ISSUANCE OF AMENDMENT
TO FACILITY OPERATING LICENSE

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of amendment to Facility Operating License No. DPR-61, issued to Carolina Power & Light Company (the licensee), for operation of the Brunswick Steam Electric Plant, Unit No. 2 (the facility) located in Brunswick County, North Carolina.

The amendment would authorize operation of the facility in Cycle 2 after refueling in which about 25% of the fuel assemblies would be replaced with new fuel having a 8 X 8 array of fuel rods. The balance of the core would consist of fuel assemblies having a 7 X 7 array of fuel rods, which would remain in the core from Cycle 1 operation. Both fuel types would have two holes drilled in the lower tieplate. The proposed amendment would also change the Technical Specifications for the facility to increase the safety limit for minimum critical power ratio from 1.05 to 1.06 and to establish operating limits for both fuel types for operation in Cycle 2.

Prior to issuance of the proposed amendment, the Commission will have made the findings required by the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations.

By October 26, 1977, the licensee may file a request for a hearing and any person whose interest may be affected by this proceeding may file a request for a hearing in the form of a petition for leave to

intervene with respect to the issuance of the amendment to the subject facility operating license. Petitions for leave to intervene must be filed under oath or affirmation in accordance with the provisions of Section 2.714 of 10 CFR Part 2 of the Commission's regulations. A petition for leave to intervene must set forth the interest of the petitioner in the proceeding, how that interest may be affected by the results of the proceedings, and the petitioner's contentions with respect to the proposed licensing action. Such petitions must be filed in accordance with the provisions of this FEDERAL REGISTER notice and Section 2.714, and must be filed with the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Docketing and Service Section, by the above date. A copy of the petition and/or request for a hearing should be sent to the Executive Legal Director, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, and to Richard E. Jones, Esquire, Carolina Power & Light Company, 336 Fayetteville Street, Raleigh, North Carolina 27602 and George F. Trowbridge, Shaw, Pittman, Ports & Trowbridge, 1800 M Street, NW., Washington, D.C. 20036 the attorneys for the licensee.

A petition for leave to intervene must be accompanied by a supporting affidavit which identifies the specific aspect or aspects of the proceeding as to which intervention is desired and specifies with particularity the facts on which the petitioner relies as to both his interest and his contentions with regard to each aspect on which intervention is requested. Petitions stating contentions relating only to matters outside the Commission's jurisdiction will be denied.

All petitions will be acted upon by the Commission or licensing board, designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel. Timely petitions will be considered to determine whether a hearing should be noticed or another appropriate order issued regarding the disposition of the petitions.

In the event that a hearing is held and a person is permitted to intervene, he becomes a party to the proceeding and has a right to participate fully in the conduct of the hearing. For example, he may present evidence and examine and cross-examine witnesses.

For further details with respect to this action, see the application for amendment dated August 22, 1977, which is available for public inspection at the Commission's Public Document Room, 1717 H Street, NW., Washington, D.C. 20555 and at the Southport - Brunswick County Library, 109 West Moore Street, Southport, North Carolina 28461.

Dated at Bethesda, Maryland, this 20th day of September 1977.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, appearing to read 'A. Schwencer', is written over the typed name.

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors