

December 12, 1983

Docket No. 50-324

Mr. E. E. Utley  
Executive Vice President  
Carolina Power & Light Company  
Post Office Box 1551  
Raleigh, North Carolina 27602

Dear Mr. Utley:

The Commission has issued the enclosed Amendment No. 86 to Facility Operating License No. DPR-62 for the Brunswick Steam Electric Plant, Unit 2. The amendment consists of changes to the Technical Specifications in response to your application of September 29, 1983.

The amendment modifies Facility Operating License No. DPR-62, paragraph 2.H to extend the completion date for modifications to the off-gas system for the Brunswick Steam Electric Plant, Unit 2.

A copy of the Safety Evaluation is enclosed.

Sincerely,

Original signed by/

Marshall Grotenhuis, Project Manager  
Operating Reactors Branch #2  
Division of Licensing

Enclosures:

1. Amendment No. 86 to License No. DPR-62
2. Safety Evaluation

cc w/enclosures:

See next page

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Mr. E. E. Utley  
Carolina Power & Light Company  
Brunswick Steam Electric Plant, Units 1 and 2

cc:

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

CAROLINA POWER & LIGHT COMPANY

DOCKET NO. 50-324

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 86  
License No. DPR-62

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for Amendment by Carolina Power & Light Company dated September 29, 1983 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, Facility Operating License No. DPR-62 is hereby amended by changing paragraph 2.H to read as follows:

2.H Augmented Off-Gas System Modifications

The licensee shall proceed with the necessary design, procurement and construction of the modifications to the augmented off-gas system. By July 15, 1983, the Licensee shall submit proposed Technical Specifications which incorporate effluent limits that reflect the required operation of the augmented off-gas system. Within two months following the extended outage scheduled to begin in March 1984, the Licensee shall have the augmented off-gas system operable, and the system shall operate in accordance with the referenced Technical Specifications, as issued.

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3. This license amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Domenic B. Vassallo, Chief  
Operating Reactors Branch #2  
Division of Licensing

Date of Issuance: December 12, 1983



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 86 TO FACILITY LICENSE NO. DPR-62

CAROLINA POWER & LIGHT COMPANY

BRUNSWICK STEAM ELECTRIC PLANT, UNIT 2

DOCKET NO. 50-324

1.0 Introduction

By letter dated September 29, 1983, Carolina Power & Light Company (the licensee) requested an amendment to the Operating License of the Brunswick Steam Electric Plant, Unit 2 (BSEP-2).

The amendment proposed by the licensee would modify Operating License No. DPR-62, Paragraph 2.H, to extend the completion date for modifications to the off-gas system for the Brunswick Steam Electric Plant, Unit 2.

Modifications to the off-gas system were required as a result of the adoption of 10 CFR 50, Appendix I, "Numerical Guides for Design Objectives and Limiting Conditions for Operation to Meet the Criterion 'As Low As Is Reasonably Achievable' for Radioactive Material in Light-Water-Cooled Nuclear Power Reactor Effluents." The schedular requirement for the completion of modifications by December 31, 1983 was added to the Operating License by Amendment No. 58 dated June 3, 1981. This was based on the licensee's scheduled 1983 refueling outage being completed by November 1983.

Due to unforeseen delays, the projected refueling schedule could not be met and the licensee has requested that the completion date be extended from December 31, 1983 to "within two months following the extended outage scheduled to begin in March 1984." This proposed schedule is consistent with the original intent to have these modifications performed during this particular extended refueling outage.

2.0 Evaluation

The Brunswick Technical Specifications limit the annual gaseous releases to the 10 CFR 50, Appendix I design objective during the interim period until the modified off-gas system is installed and operational. During the interval from December 31, 1983 to March 1984, gaseous effluents will continue to be maintained within the current Technical Specification limits.

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The proposed license amendment will not permit an increase in the amount of effluents or radiation emitted from this facility nor would it allow operation for a time without full safety protections since the objective of Appendix I to 10 CFR 50 in keeping reactor effluents as low as reasonably achievable will be fully met.

In view of the above consideration, we have concluded that the proposed amendment of Paragraph 2.H of the Operating License is acceptable.

### 3.0 Environmental Consideration

We have determined that the amendment will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR 51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

### 4.0 Conclusion

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, therefore, the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: C. Nichols

Dated: December 12, 1983