



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 79 TO FACILITY LICENSE NO. DPR-71 AND  
AMENDMENT NO. 106 TO FACILITY LICENSE NO. DPR-62  
CAROLINA POWER & LIGHT COMPANY  
BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2  
DOCKET NOS. 50-325 AND 50-324

1.0 Introduction

By letter dated June 6, 1984 the Carolina Power & Light Company (CP&L/the licensee) submitted proposed changes to the Technical Specifications appended to Facility Operating License Nos. DPR-71 and DPR-62 for the Brunswick Steam Electric Plant (BSEP), Units 1 and 2. The proposed changes revise the Technical Specifications to more clearly define the operational conditions and the allowed use of the reactor mode switch by adding and revising footnotes in Table 1.2.

2.0 Evaluation

The licensee has submitted to the NRC a proposed revision to the Brunswick Technical Specifications. The proposed Technical Specification is delineated below:

Table 1.2 - Footnotes are added to allow for temporary placement of the Reactor Mode Switch (PMS) in the Run or Startup/Hot Standby positions to test the switch interlock functions. The purpose of this revision is to clarify the requirements for mode switch manipulations currently authorized in Technical Specifications. Footnotes are added to allow placement of the RMS in the refuel position when work on a single control rod is being performed. A more precise definition of the refueling operational condition is provided and the footnote format is changed. "Average Coolant Temperature" column title is changed to "Average Reactor Coolant Temperature" to conform to Standard Technical Specifications (STS).

There are presently three footnotes in Table 1.2. Two of those footnotes were combined into one and the third was rewritten for clarification. Three new footnotes are added which provide for Reactor Mode Switch placement while in the Run or Startup/Hot Standby position, the Refuel position while a single rod is being removed, and the Refuel position while a single rod is being uncoupled.

The footnotes added in this revision allow for temporary placement of the Reactor Mode Switch in the Run or Startup/Hot Standby positions to test the switch interlock function or placement of the RMS in the fuel position when

work on a single control rod is being performed. In each instance, measures required to ensure safety which are consistent with guidance provided in the STS are included.

The proposed revision clarifies the definitions pertaining to operational conditions and makes the BSEP Technical Specifications more closely resemble the Standard Technical Specifications.

Having reviewed the licensee's submittal consisting of the proposed Technical Specification change and the associated justification for the change, we have determined that this revision causes no significant increase in the probability or consequence of a previously analyzed accident nor a significant reduction in safety margin and is consistent with guidance provided in the Standard Technical Specifications.

### 3.0 Environmental Considerations

The amendments involve a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

### 4.0 Conclusions

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 and the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

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Dated: December 4, 1984