



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 94 TO FACILITY LICENSE NO. DPR-71 AND
AMENDMENT NO. 119 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 September 6, 1985, the Carolina Power & Light Company (CP&L, the licensee) requested a change to the limiting conditions for operation (LCOs) for Brunswick Steam Electric Plant, Units 1 and 2 (BSEP 1/2) as set forth in the Technical Specifications (TS) of Facility Operating License Nos. DPR-71 and DPR-62.

The amendments change the Technical Specifications (TS) to include corrections to both BSEP-1 and BSEP-2 and a minor technical correction to BSEP-1. The administrative corrections include misspellings, inadvertent omissions, mislabeling, incorrect referencing of TS Tables and sections, and deletion of footnotes. The technical correction deals with the time of operation of the fire suppression system pumps to determine operability.

2.0 EVALUATION

The staff has reviewed the administrative corrections and finds that they are indeed administrative. The administrative changes are therefore acceptable.

There was one technical correction included which involved the operating time of the fire suppression pumps. The BSEP-1 TS 4.7.7.1.1.b states "...the fire suppression water system shall be demonstrated OPERABLE at least once per 31 days on a STAGGERED TEST BASIS by starting each pump and operating it for at least 20 minutes." The BWR/4 Standard TS (NUREG-123) indicates that the pumps should be operated for at least 15 minutes to demonstrate operability. In addition, the BSEP-2 TS currently requires operation of the fire suppression system pumps for 15 minutes. The revision changes the BSEP-1 TS to require 15 minute operation, thus providing consistency between BSEP-1, BSEP-2, and BWR/4 Standard TS.

The staff has reviewed this change. When BSEP-2 was licensed on December 27, 1974 it had the old format TS. When BSEP-1 was licensed on September 8, 1976 it was issued with the then new format of the Standard TS. To obtain

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consistency between BSEP-1 and BSEP-2 the BSEP-1 TS were converted to the Standard format. However, in translation the 20 minute period was overlooked and thus removed in TS 4.7.7.1.1.b. The staff concludes that the purpose of the surveillance requirements is to assure that the fire suppression pumps are operable. The operability can be verified as readily in 15 minutes as it can be in 20 minutes. Therefore, correction of the apparent oversight is acceptable.

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 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 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: January 30, 1986