



Carolina Power & Light Company

JAN 31 1984

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 NOS. 50-325
LICENSE NOS. DPR-71
REQUEST FOR LICENSE AMENDMENT
REACTOR CORE-FUEL ASSEMBLIES

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 a revision to the Technical Specifications (TS) for the Brunswick Steam Electric Plant, Unit No. 1. The proposed TS change requests a change in the description of the fuel assemblies listed in Section 5, Design Features.

Discussion

Technical Specification 5.3.1 specifies that the Unit 1 reload fuel assemblies shall have a fuel enrichment maximum of 2.85 weight percent of U-235. This weight percent represents early predicted reload enrichments. Due to longer cycles and the new core configuration, a higher enrichment reload fuel is required. The reload analysis for the completion of the third refueling of the Brunswick Steam Electric Plant, Unit No. 1 (BSEP-1) was submitted to the NRC on May 2, 1983 and subsequently approved on June 28, 1983. During the third refueling some higher enrichment fuel (>2.85 weight percent) was loaded into the core and any safety concerns related to the higher enrichments were addressed in the reload analysis. Therefore, in order to correctly reflect the enrichment level used in the reload analysis, CP&L is requesting that an enrichment level of 3 weight percent be inserted into Technical Specification 5.3.1.

In addition, CP&L has rewritten section 5.3.1 to conform with the GE BWR/4 Standard Technical Specification. Reformating of section 5.3.1 for BSEP-2 will be submitted with the reload analysis for the next refueling of Unit 2.

Significant Hazards Analysis

Carolina Power & Light Company has reviewed this request and determined that the proposed revision to section 5.3.1 of the Brunswick-1 Technical Specification involves no significant hazards consideration because the

8403730049 840131
PDR ADDCK 05000325
PDR

Aool
1/1

proposed change does not (1) involve an increase in the probability or consequences of an accident previously evaluated, (2) create the possibility of a new or different kind of accident from any accident previously evaluated, or (3) involve a reduction in a margin of safety. The Commission has provided guidance concerning the application of its standards set forth in 10 CFR 50.92 for no significant hazards considerations by providing certain examples published in the Federal Register on April 6, 1983 (48FR14864). One of the examples of an amendment which will likely be found to involve no significant hazards considerations: for example, a change to achieve consistency throughout the technical specifications, correction of an error, or a change in nomenclature. The proposed revision to section 5.3.1 will make the BSEP-1 Technical Specifications consistent with the already approved reload analysis and the GE BWR/4 Standard Technical Specification and is, therefore, administrative in nature.

Administrative Information

Attachment 1 provides the proposed revision to section 5.3.1 of the BSEP-1 Technical Specification (CP&L Ref. #83TSB36). In accordance with 10 CFR 170.22, CP&L has determined that this request is administrative in nature and thus constitutes one Class II license amendment request. A check for \$1,200 is enclosed in payment of the required fee.

Yours very truly,

P. W. Howe

P. W. Howe
Vice President

Brunswick Nuclear Project

9PC/lcv (8046PPC)
Attachment

P. W. Howe, 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.

Charles Hayes
Notary (Seal)

12/27/88

My commission expires:

cc Mr. D. O. Myers (NRC-BSEP)
Mr. J. P. O'Reilly (NRC-RII)
Mr. M. Grotenhuis (NRC)
Mr. D. H. Brown
Radiation Protection Branch
Division of Facility Services
Department of Human Resources