



Carolina Power & Light Company

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C. S. Hinnant

Vice President
Brunswick Steam Electric Plant

SERIAL: BSEP 97-0156

10 CFR 50.54(a)(3)(ii)

10 CFR 50.59(b)(2)

10 CFR 50.71(e)

MAY 05 1997

U. S. Nuclear Regulatory Commission

ATTN: Document Control Desk

Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT (BSEP), UNIT NOS. 1 AND 2

DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62

BSEP UPDATED FSAR REVISION NO. 15

BSEP REPORT DESCRIBING 10 CFR 50.59 CHANGES, TESTS, AND EXPERIMENTS

BSEP QUALITY ASSURANCE PROGRAM CHANGE REPORT

Gentlemen:

The purpose of this letter is to submit one original and ten copies of Revision No. 15 to the BSEP, Unit Nos. 1 & 2, Update. Final Safety Analysis Report (UFSAR). As required by 10 CFR 50.71(e), this revision consists of replacement pages for the UFSAR and is accompanied by a list of effective pages for the UFSAR following page replacement. It also contains a list of instructions for inserting Revision No. 15 into the BSEP UFSAR. Revision No. 15 contains changes made during the period from May 22, 1995, through December 31, 1996.

Enclosure 1 consists of Revision No. 15 to the BSEP UFSAR and an instruction sheet. Enclosure 2 contains a description as required by 10 CFR 50.59(b)(2), of changes, tests and experiments made during this period. Descriptions of the changes referenced in the Carolina Power & Light (CP&L) Company submittal letter for Revision No. 14 to the BSEP UFSAR, dated March 17, 1997 (Serial BSEP 96-0398), are also contained in Enclosure 2. No regulatory commitments are contained in this letter.

In order to improve the legibility and accuracy of selected UFSAR figures, these figures have been replaced with plant drawings which represent a level of detail at or above that of the figures that they replace. In some cases, unit-specific drawings replace single figures that are representative of both units.

Revision No. 15 of the UFSAR also reflects the increased licensed power level (2558 Mwt) of BSEP Unit No. 1. Except where noted, descriptions of analyses are based on the uprated power level and bound operation of BSEP Unit No. 2 at the original rated power (2436 Mwt).

Enclosure 3 contains a description of Quality Assurance program changes, the reason for the changes, and the basis for concluding that the revised program continues to satisfy the criteria of 10 CFR 50, Appendix B. This information is required to be submitted by 10 CFR 50.54(a)(3)(ii).

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As an officer of CP&L, I certify that the information in this submittal accurately presents changes made since the previous submittal necessary to reflect information and analyses submitted to the NRC or prepared pursuant to NRC requirements, and changes made under the provisions of 10 CFR 50.59 but not previously submitted to the NRC.

Please refer any questions regarding this submittal to Mr. Keith Jury, Manager - Regulatory Affairs, at (910) 457-2783.

Sincerely,

A handwritten signature in cursive script, appearing to read "C. S. Hinnant".

C. S. Hinnant

JCP/jcp

Enclosures:

1. Revision No. 15 of the BSEP UFSAR and instruction sheet
2. Description of Changes, Tests and Experiments
3. Quality Assurance Program Changes

pc (with enclosures):

U. S. Nuclear Regulatory Commission
ATTN.: Mr. Luis A. Reyes, Regional Administrator
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U. S. Nuclear Regulatory Commission
ATTN: Mr. C. A. Patterson, NRC Senior Resident Inspector
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U. S. Nuclear Regulatory Commission
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The Honorable J. A. Sanford
Chairman - North Carolina Utilities Commission
P.O. Box 29510
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