



John S. Keenan
Vice President
Brunswick Nuclear Plant

JUN 26 2002

10 CFR 50.90

SERIAL: BSEP 02-0121
TSC-2002-03

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62
REQUEST FOR LICENSE AMENDMENTS TO REVISE TECHNICAL
SPECIFICATION PRESSURE-TEMPERATURE LIMIT CURVES

Ladies and Gentlemen:

In accordance with the Code of Federal Regulations, Title 10, Parts 50.90 and 2.101, Carolina Power & Light (CP&L) Company requests a revision to the Technical Specifications for the Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2. The proposed license amendments revise the reactor coolant system pressure-temperature (P-T) limit curves for operation to 32 effective full power years (EFPY).

The existing P-T limit curves for normal operation and hydrostatic and leak testing are valid up to 19 EFPY. CP&L is requesting approval of revised P-T limit curves for normal operation and hydrostatic and leak tests that will be valid up to 32 EFPY. The basis for the revised P-T limit curves is provided in Enclosures 1 through 4.

Marked-up Bases pages for the proposed BSEP, Unit 1 license amendment are included in Enclosure 12. These pages are provided for information only and do not require issuance by the NRC.

In accordance with 10 CFR 50.91(b), CP&L is providing a copy of this license amendment application to Mr. Mel Fry of the State of North Carolina. In accordance with 10 CFR 50.4(b)(1), CP&L is providing a copy of this license amendment application to the NRC Region II Office and the BSEP Resident Inspector.

In order to allow time for procedure revision and orderly incorporation into copies of the Technical Specifications, CP&L requests that the NRC allow 60 days for implementation of the license amendment.

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Southport, NC 28461

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A001

Please refer any questions regarding this submittal to Mr. Edward T. O'Neil, Manager - Regulatory Affairs, at (910) 457-3512.

Sincerely,

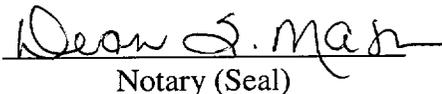

John S. Keenan

WRM/wrm

Enclosures:

1. Basis For Change Request
2. CP&L Calculation 0B11-0005, Revision 1, "Development of RPV Pressure-Temperature Curves For BNP Units 1 & 2 For Up To 32 EFY of Plant Operation"
3. CP&L Calculation 0B11-0012, Revision 0, "Neutron Exposure Evaluations for the Core Shroud and Pressure Vessel, Brunswick Units 1 and 2"
4. CP&L Calculation 0B21-1029, Revision 0, "Instrument Uncertainty for RCS Pressure/Temperature Limits Curve"
5. 10 CFR 50.92 Evaluation
6. Environmental Considerations
7. Page Change Instructions
8. Typed Technical Specification Pages - Unit 1
9. Typed Technical Specification Pages - Unit 2
10. Marked-up Technical Specification Pages - Unit 1
11. Marked-up Technical Specification Pages - Unit 2
12. Marked-up Technical Specification Bases Pages - Unit 1 (For Information Only)

John S. Keenan, 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, and agents of Carolina Power & Light Company.


Notary (Seal)

My commission expires: Aug 29, 2004

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cc (with enclosures):

U. S. Nuclear Regulatory Commission, Region II
ATTN: Mr. Luis A. Reyes, Regional Administrator
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, GA 30303-8931

U. S. Nuclear Regulatory Commission
ATTN: Mr. Theodore A. Easlick, NRC Senior Resident Inspector
8470 River Road
Southport, NC 28461-8869

U. S. Nuclear Regulatory Commission **(Electronic Copy Only)**
ATTN: Ms. Brenda L. Mozafari (Mail Stop OWFN 8G9)
11555 Rockville Pike
Rockville, MD 20852-2738

Ms. Jo A. Sanford
Chair - North Carolina Utilities Commission
P.O. Box 29510
Raleigh, NC 27626-0510

Mr. Mel Fry
Director - Division of Radiation Protection
North Carolina Department of Environment and Natural Resources
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