



Carolina Power & Light Company  
PO Box 10429  
Southport NC 28461-0429

John S. Keenan  
Vice President  
Brunswick Nuclear Plant

SEP 01 2000

10 CFR 50.4  
10 CFR 50.59(b)(2)  
10 CFR 50.71(e)

SERIAL: BSEP 00-0095

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  
UPDATED FINAL SAFETY ANALYSIS REPORT, REVISION NO. 17, AND REPORT  
DESCRIBING CHANGES, TESTS, AND EXPERIMENTS

Gentlemen:

In accordance with 10 CFR 50.71(e) and 10 CFR 50.4, Carolina Power & Light (CP&L) Company is submitting one original and ten copies of Revision No. 17 to the Updated Final Safety Analysis Report (UFSAR) for the Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2. Also, in accordance with 10 CFR 50.59(b)(2) and 10 CFR 50.4, CP&L is submitting a report containing a brief description of the changes, tests, and experiments, including a summary of each, made during the period from March 31, 1998, through March 24, 2000.

Enclosure 1 provides instructions for updating the BSEP UFSAR on a replacement-page basis, an effective page list that identifies the current pages of the UFSAR following page replacement, and BSEP UFSAR Revision No. 17 replacement pages. This UFSAR revision represents changes to the facility made during the period from March 31, 1998, through March 24, 2000. The enclosed UFSAR submittal also includes some changes that have been approved since March 24, 2000. A binder of prints, which have been incorporated by reference in the UFSAR, is provided as Enclosure 2. These prints reflect the latest revisions available at the time of submittal preparation.

Enclosure 3 provides a report containing a brief description of the changes, tests, and experiments, including a summary of each, made during the period from March 31, 1998, through March 24, 2000. This report also provides summaries of the UFSAR changes contained in Enclosure 1, including those quality assurance program description changes that did not reduce commitments. The previous report of changes, tests, and experiments was also submitted by CP&L's letter dated September 14, 1998.

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1/11

No regulatory commitments are contained in this letter. Please refer any questions regarding this submittal to Mr. Warren J. Dorman, Manager – Regulatory Affairs, at (910) 457-2068.

Sincerely,

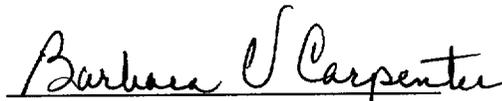
  
John S. Keenan

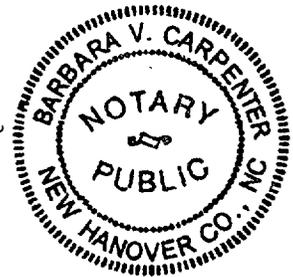
Mr. John S. Keenan states that he is a vice president of CP&L and is authorized to execute this oath on behalf of CP&L and that, to the best of his knowledge and belief, the information contained in the enclosed UFSAR Revision No. 17 accurately presents changes made since the previous submittal, necessary to reflect information and analyses submitted to the Commission or prepared pursuant to Commission requirements.

CAROLINA POWER & LIGHT COMPANY

By:   
John S. Keenan

Sworn to and subscribed before me this 1<sup>st</sup> day of September, 2000.

  
Notary (Seal)



My commission expires:

GMT/gmt

**My Commission Expires 2/16/2003**

Enclosures:

1. Updated Final Safety Analysis Report, Revision No. 17
2. Prints Incorporated By Reference Into UFSAR, Revision No. 17
3. Report Describing Changes, Tests, and Experiments

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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  
ATTN: Mr. Allen G. Hansen (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