



Carolina Power & Light Company  
P.O. Box 10429  
Southport, NC 28461-0429

John S. Keenan  
Vice President  
Brunswick Steam Electric Plant

SEP 14 1998

10 CFR 50.54(a)(3)(ii)  
10 CFR 50.59(b)(2)  
10 CFR 50.71(e)

SERIAL: BSEP 98-0096

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

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. 16  
REPORT DESCRIBING 10 CFR 50.59 CHANGES, TESTS, AND EXPERIMENTS  
QUALITY ASSURANCE PROGRAM CHANGE REPORT

Gentlemen:

This letter submits one original and ten copies of Revision No. 16 to the Carolina Power & Light (CP&L) Company, Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2, Updated Final Safety Analysis Report (UFSAR). As required by 10 CFR 50.71(e), this revision consists of replacement pages for the BSEP UFSAR with instructions for inserting Revision No. 16. The information in this submittal represents the changes made since those included in the May 5, 1997, submittal letter for Revision No. 15 to the BSEP UFSAR (Serial BSEP 97-0156). This submittal reflects information and analyses submitted to the NRC or prepared pursuant to NRC requirements, and changes made under the provisions of 10 CFR 50.59 not previously submitted to the NRC. This submittal presents changes made during the period from January 1, 1997, through March 31, 1998, with later changes also being included, if processed, for inclusion up to the time of submittal.

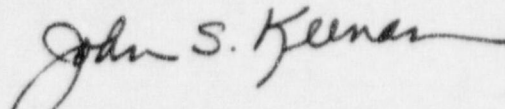
Enclosure 1 consists of Revision No. 16 to the BSEP UFSAR, which should be incorporated into the UFSAR using the Effective Pages List. Enclosure 2 contains a description as required by 10 CFR 50.59(b)(2), of changes, tests and experiments made during this period. Enclosure 3 contains a description of 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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No regulatory commitments are contained in this letter. Please refer any questions regarding this submittal to Mr. Keith R. Jury, Manager - Regulatory Affairs, at (910) 457-2783.

Sincerely,

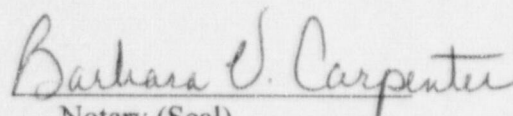
  
John S. Keenan

GMT

Enclosures:

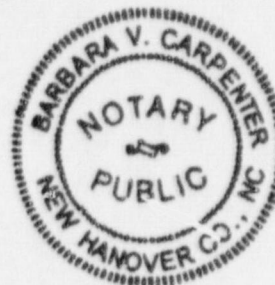
1. BSEP UFSAR Revision No. 16
2. BSEP Report Describing Changes, Tests, and Experiments
3. BSEP Quality Assurance Program Change Report

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:

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



cc (with enclosures):

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

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

U. S. Nuclear Regulatory Commission  
ATTN: Mr. David C. Trimble, Jr. (Mail Stop OWFN 14H22)  
11555 Rockville Pike  
Rockville, MD 20852-2738

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