



John S. Keenan  
Vice President  
Brunswick Nuclear Plant

**MAR 25 2002**

SERIAL: BSEP 02-0071  
TSC-2001-09

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  
LICENSE CONDITION SUPPORTING REQUEST FOR LICENSE AMENDMENTS  
EXTENDED POWER UPRATE  
(NRC TAC NOS. MB2700 AND MB2701)

Ladies and Gentlemen:

On August 9, 2001 (i.e., Serial: BSEP 01-0086), Carolina Power & Light (CP&L) Company requested a revision to the Operating Licenses (OLs) and the Technical Specifications for the Brunswick Steam Electric Plant (BSEP), Units 1 and 2. The proposed license amendments increase the maximum power level authorized by Section 2.C.(1) of OLs DPR-71 and DPR-62 from 2558 megawatts thermal (MWt) to 2923 MWt.

The August 9, 2001, submittal stated that the Standby Liquid Control (SLC) system would be upgraded in support of the transition to GE14 fuel design. The SLC modification is not required until the second reload with GE14 on each unit and, as such, the associated license amendments, revising the sodium pentaborate solution concentration requirements contained in Technical Specification 3.1.7, "Standby Liquid Control (SLC) System," were not submitted as part of the EPU submittal.

In support of issuance of the extended power uprate amendment, CP&L is providing a license condition to be included in Appendix B, "Additional Conditions," of the OLs for BSEP Units 1 and 2. This license condition will require submittal of license amendment requests supporting the SLC system modifications. The enclosure to this letter provides the license conditions.

P.O. Box 10429  
Southport, NC 28461

T > 910.457.2496  
F > 910.457.2803

*1001*

Please refer any questions regarding this submittal to Mr. David C. DiCello,  
Manager - Regulatory Affairs, at (910) 457-2235.

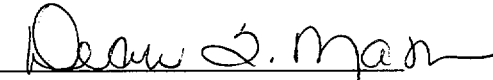
Sincerely,

  
John S. Keenan

MAT/mat

Enclosure:  
License Condition

C. J. Gannon, 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: 8-29-04



cc:

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

U. S. Nuclear Regulatory Commission  
ATTN: Mr. Mohammed Shuaibi (Mail Stop OWFN 8H4A)  
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  
3825 Barrett Drive  
Raleigh, NC 27609-7221

ENCLOSURE

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62  
LICENSE CONDITION SUPPORTING REQUEST FOR LICENSE AMENDMENTS  
EXTENDED POWER UPRATE  
(NRC TAC NOS. MB2700 AND MB2701)

License Condition

In support of issuance of the extended power uprate (EPU) amendment, CP&L is providing a license condition to be included in Appendix B, "Additional Conditions," of the Operating Licenses for BSEP Units 1 and 2. The proposed license condition, for Units 1 and 2, follow. Typed versions of Appendix B will be submitted when CP&L submits the final, typed Technical Specification pages in support of issuance of the EPU amendment.

**Appendix B**

**Additional Conditions**

<u>Amendment Number</u>	<u>Additional Conditions</u>	<u>Implementation Date</u>
<i>Unit 1 EPU Amendment Number</i>	The licensee shall submit a license amendment request, revising Technical Specification Section 3.1.7, "Standby Liquid Control (SLC) System," to ensure the SLC system: (1) remains capable of bringing the reactor to a subcritical condition with the reactor in the most reactive, xenon free state without taking credit for control rod movement, and (2) continues to meet the requirements of 10 CFR 50.62.	The Unit 1 license amendment request shall be submitted to the NRC by August 29, 2003.

**Appendix B**  
**Additional Conditions**

Amendment  
Number

Additional Conditions

Implementation Date

*Unit 2 EPU  
Amendment  
Number*

The licensee shall submit a license amendment request, revising Technical Specification Section 3.1.7, "Standby Liquid Control (SLC) System," to ensure the SLC system: (1) remains capable of bringing the reactor to a subcritical condition with the reactor in the most reactive, xenon free state without taking credit for control rod movement, and (2) continues to meet the requirements of 10 CFR 50.62.

The Unit 2 license amendment request shall be submitted to the NRC by August 30, 2002.