



John S. Keenan
Vice President
Brunswick Nuclear Plant

APR 29 2002

SERIAL: BSEP 02-0092
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 extended power uprate 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 modification of the SLC system by increasing neutron absorber concentration. Enhancements resulting from this modification allow the BSEP Probabilistic Safety Assessment success criteria for the SLC system to be revised from the current two pump/squib valve criteria to a single pump/squib valve criteria. This is consistent with the SLC system modification described in the August 9, 2001, amendment request. The enclosure to this letter provides the license conditions.

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Although SLC relief valve margin exists under current as well as uprate conditions, CP&L is also planning modifications to enhance this margin in response to Information Notice 2001-13, "Inadequate Standby Liquid Control System Relief Valve Margin," dated August 10, 2001. CP&L is ordering replacement relief valves, which will provide 50 psig additional margin. The replacement valves will be installed during the next refueling outage on each unit. These modifications, addressing SLC relief valve margin, constitute planned actions on the part of CP&L. As such, this is not a formal commitment to implement the modifications exactly as described or per the proposed schedule.

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

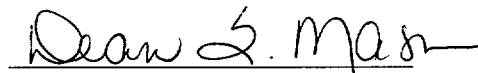
Sincerely,


John S. Keenan

MAT/mat

Enclosure:
License Condition

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: 8-29-04

cc:

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ENCLOSURE

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License Condition

In support of issuance of the extended power uprate amendment, Carolina Power & Light (CP&L) is providing a license condition to be included in Appendix B, "Additional Conditions," of the Operating Licenses (OLs) for Brunswick Steam Electric Plant (BSEP), Units 1 and 2. This license condition will require modification of the Standby Liquid Control (SLC) system by increasing neutron absorber concentration. Enhancements resulting from this modification allow the BSEP Probabilistic Safety Assessment success criteria for the SLC system to be revised from the current two pump/squib valve criteria to a single pump/squib valve criteria.

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 modify the Standby Liquid Control (SLC) system by increasing neutron absorber concentration.	Prior to startup following the Unit 1 Cycle 15 Refueling Outage
<i>Unit 2 EPU Amendment Number</i>	The licensee shall modify the Standby Liquid Control (SLC) system by increasing neutron absorber concentration.	Prior to startup following the Unit 2 Cycle 16 Refueling Outage