



John S. Keenan
Vice President
Brunswick Nuclear Plant

MAY 28 2002

SERIAL: BSEP 02-0109
TSC-2001-04

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 CONDITIONS SUPPORTING REQUEST FOR LICENSE AMENDMENTS
TO ADOPT ALTERNATIVE RADIOLOGICAL SOURCE TERM
(NRC TAC NOS. MB2570 AND MB2571)

Ladies and Gentlemen:

On August 1, 2001 (i.e., Serial: BSEP 01-0063), Carolina Power & Light (CP&L) Company requested a revision to the Technical Specifications for the Brunswick Steam Electric Plant (BSEP), Units 1 and 2. The proposed license amendments allow a full-scope implementation of an Alternative Radiological Source Term (AST).

In a submittal dated September 27, 2001 (i.e., Serial: BSEP 01-0112), CP&L provided a description of the proposed alternate leakage treatment path used in the AST analysis, as well as a Seismic Evaluation Report for BSEP, Unit 1, identifying the modifications necessary to ensure the seismic ruggedness of the alternate leakage treatment path. The Unit 1 verification walkdowns and modifications were completed during the March 2002, refueling outage. The September 27, 2001, submittal stated that the Unit 2 seismic verification walkdowns, analysis, and modifications would be completed during the Unit 2 Refueling Outage 15 for Cycle 16, designated as B216R1, in March 2003.

In support of issuance of the AST license amendment for BSEP, Unit 2, CP&L is providing a license condition to be included in Appendix B, "Additional Conditions," of the Operating License for BSEP, Unit 2. This license condition will require completion of the seismic verification walkdowns and modifications associated with the Unit 2 alternate leakage treatment path. Completion of these modifications allows use of the alternate leakage treatment path as analyzed in the Brunswick Alternate Radiological Source Term (AST) analysis. CP&L is also providing two additional license conditions regarding the inclusion of certain valves associated with the alternate leakage treatment path into inservice testing programs to ensure their reliability. The enclosure of this letter provides the license conditions.

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

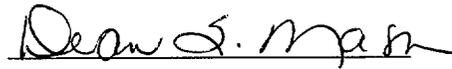
Sincerely,


John S. Keenan

WRM/wrm

Enclosure: License Conditions

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 (with enclosure):

U. S. Nuclear Regulatory Commission, Region II
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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 CONDITIONS SUPPORTING REQUEST FOR LICENSE AMENDMENTS
TO ADOPT ALTERNATIVE RADIOLOGICAL SOURCE TERM
(NRC TAC NOS. MB2570 AND MB2571)

License Conditions

In support of issuance of the Alternate Radiological Source Term (AST) license amendment for Brunswick Steam Electric Plant (BSEP), Unit 2, Carolina Power & Light (CP&L) Company is providing three license conditions to be included in Appendix B, "Additional Conditions," of the Operating License for BSEP, Unit 2. The first license condition will require completion of the seismic verification walkdowns and modifications associated with the alternate leakage treatment path. The second and third license conditions will require inclusion of certain valves associated with the alternate leakage treatment path into inservice testing programs. Completion of the actions described in these three license conditions allows use of the alternate leakage treatment path as analyzed in the Brunswick AST analysis.

Appendix B

Additional Conditions

<u>Amendment Number</u>	<u>Additional Conditions</u>	<u>Implementation Date</u>
<i>Unit 2 AST Amendment Number</i>	The licensee shall, consistent with the applicable provisions of the BWR Owners' Group Report NEDC-31858P, Revision 2, as approved in the NRC Staff Safety Evaluation dated March 3, 1999, complete the seismic verification walkdowns and modifications necessary to ensure seismic ruggedness of the alternate leakage treatment (ALT) piping and appendages.	Prior to startup following the Unit 2 Cycle 16 Refueling Outage.

Amendment
Number

Additional Conditions

Implementation Date

*Unit 2 AST
Amendment
Number*

The licensee shall, consistent with the licensee's letter dated September 27, 2001 (i.e., Serial: BSEP 01-0112), include alternate leakage treatment path motor-operated valves MS-F038A, MS-F038B, MS-F038C, MS-F038D, and MVD-F021 in an augmented inservice testing program.

Prior to startup following the Unit 2 Cycle 16 Refueling Outage.

*Unit 2 AST
Amendment
Number*

The licensee shall, consistent with the licensee's letter dated September 27, 2001 (i.e., Serial: BSEP 01-0112), include alternate leakage treatment path check valves MVD-V5008 and MVD-V5009 in the facility check valve program.

Prior to startup following the Unit 2 Cycle 16 Refueling Outage.