

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

MAR 17 1999

SERIAL: BSEP 99-0029

10 CFR 55.45

Mr. Samuel J. Collins
Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
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
CERTIFICATION OF SIMULATION FACILITIES

Gentlemen:

By letter dated March 21, 1991 (Serial: NLS-91-059), Carolina Power and Light Company initially certified that the Brunswick Steam Electric Plant, Units 1 and 2, simulation facility complied with NRC regulations. The Brunswick Steam Electric Plant simulation facility consists solely of a plant-referenced simulator that meets the requirements of 10 CFR 55.45 and complies with ANSI/ANS-3.5, 1985, "Nuclear Power Plant Simulators for Use in Operator Training," as endorsed by Regulatory Guide 1.149, "Nuclear Power Plant Simulators for Use in Operator Training."

Every four years on the anniversary of the certification, in accordance with 10 CFR 55.45(b)(5)(ii), licensees are required to submit a report which identifies any uncorrected performance test failures and a schedule of such performance test failures. The Brunswick Steam Electric Plant simulation facility certification report, including the NRC Form 474, and the ANSI/ANS-3.5 exceptions being taken for Unit 1 are provided in Enclosure 1. The Brunswick Steam Electric Plant simulation facility certification report, including the NRC Form 474, and the ANSI/ANS-3.5 exceptions being taken for Unit 2 are provided in Enclosure 2. There were no uncorrected performance test failures of the Brunswick Steam Electric Plant simulation facility during this reporting period.

No new commitments are contained in this submittal. Please refer any questions regarding this submittal to Mr. Warren J. Dorman, Supervisor - Licensing, at (910) 457-2068.

Sincerely,

Keith R. Jury
Manager - Regulatory Affairs
Brunswick Steam Electric Plant

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Mr. Samuel J. Collins
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Enclosures: 1. Certification Report for Brunswick Steam Electric Plant Unit 1
2. Certification Report for Brunswick Steam Electric Plant Unit 2

cc (with enclosures):

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

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 30303-3415

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. David C. Trimble, Jr. (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

ENCLOSURE 1

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62
CERTIFICATION OF SIMULATOR FACILITIES

CERTIFICATION REPORT FOR
BRUNSWICK STEAM ELECTRIC PLANT UNIT 1

Estimated burden per response to comply with this mandatory information collection request: 120 hours. This information is used to certify a simulation facility. Forward comments regarding burden estimate to the Records Management Branch (T-6 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0138), Office of Management and Budget, Washington, DC 20503. If an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

SIMULATION FACILITY CERTIFICATION

INSTRUCTIONS: This form is to be filed for initial certification, recertification (if required), and for any change to a simulation facility performance testing plan made after initial submittal of such a plan. Provide the following information and check the appropriate box to indicate reason for submittal.

FACILITY Brunswick Steam Electric Plant, Unit No. 1		DOCKET NUMBER 50-325
LICENSEE Carolina Power and Light Company		DATE 03/17/99

This is to certify that:

- The above named facility licensee is using a simulation facility consisting solely of a plant-referenced simulator that meets the requirements of 10 CFR 55.45.
- Documentation is available for NRC review in accordance with 10 CFR 55.45(b).
- This simulation facility meets the guidance contained in ANSI/ANS 3.5-1985 or ANSI/ANS 3.5-1993, as endorsed by NRC Regulatory Guide 1.149.

If there are any EXCEPTIONS to the certification of this item, CHECK HERE [] and describe fully on additional pages as necessary.

NAME (or other identification) AND LOCATION OF SIMULATION FACILITY
**Brunswick Simulator - Brunswick EOF/Training Building
Box 10429, North Carolina Highway 87, 2 1/2 Miles North
Southport, North Carolina 28461**

SIMULATION FACILITY PERFORMANCE TEST ABSTRACTS ATTACHED. (For performance tests conducted in the period ending with the date of this certification.)

DESCRIPTION OF PERFORMANCE TESTING COMPLETED. (Attach additional pages as necessary and identify the item description being continued.)
Abstracts for tests added since the 1995 Certification Quadrennial Report are attached. See Section VIII, "Simulator Tests," and Appendix D, "1995-1998 Completed Test Schedule," of the Unit 2 Certification submittal.

SIMULATION FACILITY PERFORMANCE TESTING SCHEDULE ATTACHED. (For the conduct of approximately 25 percent of performance tests per year for the four-year period commencing with the date of this certification.)

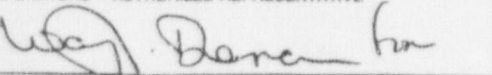
DESCRIPTION OF PERFORMANCE TESTING TO BE CONDUCTED. (Attach additional pages as necessary and identify the item description being continued.)
See Section VIII, "Simulator Tests," Appendix A, "Brunswick Simulator Annual Operability Test Index," and Appendix B, "Brunswick Simulator Malfunction Tests," of the Unit 2 Certification submittal.

PERFORMANCE TESTING PLAN CHANGE. (For any modification to a performance testing plan submitted on a previous certification.)

DESCRIPTION OF PERFORMANCE TESTING PLAN CHANGE. (Attach additional pages as necessary and identify the item description being continued.)
A complete revised test plan is attached. See Section VIII, "Simulator Tests," Appendix A, "Brunswick Simulator Annual Operability Tests Index," and Appendix B, "Brunswick Simulator Malfunction Tests," of the Unit 2 Certification submittal.

RECERTIFICATION. (Describe corrective actions taken, attach results of completed performance testing in accordance with 10 CFR 55.45(b)(5)(v). Attach additional pages as necessary and identify the item description being continued.)

Any false statement or omission in this document, including attachments, may be subject to civil and criminal sanctions. I certify under penalty of perjury that the information in this document and attachments is true and correct.

SIGNATURE - AUTHORIZED REPRESENTATIVE 	TITLE Manager - Regulator Affairs, Brunswick Steam Electric Plant	DATE 03/17/99
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In accordance with 10 CFR 55.5, Communications, this form shall be submitted to the NRC as follows:
 BY MAIL ADDRESSED TO: DIRECTOR, OFFICE OF NUCLEAR REACTOR REGULATION
 U.S. NUCLEAR REGULATORY COMMISSION
 WASHINGTON, DC 20555-0001
 BY DELIVERY IN PERSON TO THE NRC OFFICE AT: ONE WHITE FLINT NORTH
 11555 ROCKVILLE PIKE
 ROCKVILLE, MD