



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

AUG 25 1999

SERIAL: BSEP 99-0148

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

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-324/LICENSE NO. DPR-62
CYCLE 14 STARTUP REPORT

Gentlemen:

In accordance with Section 13.4.2.1 of the Updated Final Safety Analysis Report (UFSAR) for the Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2, Carolina Power & Light Company is submitting this Cycle 14 startup report for BSEP, Unit 2.

During BSEP, Unit 2 Refueling Outage 13 (i.e., B214R1), CP&L loaded four ATRIUM-10™ lead qualification assemblies manufactured by Siemens Power Corporation. UFSAR Section 13.4.2.1 states that a summary report of plant startup and power escalation testing will be submitted following installation of fuel that has a different design or has been manufactured by a different fuel supplier. The enclosed startup report has been prepared to satisfy UFSAR Section 13.4.2.1, and addresses the tests identified in Section 14.4.1 of the UFSAR.

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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Enclosure: Brunswick Unit 2, Cycle 14 Neutronics Startup Report

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cc (with enclosure):

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. Allen G. Hansen (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

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