



Carolina Power & Light Company  
P.O. Box 10429  
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February 5, 1997

SERIAL: BSEP 97-0052

U. S. Nuclear Regulatory Commission  
ATTENTION: Document Control Desk  
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1  
DOCKET NO. 50-325/LICENSE NO. DPR-71  
CYCLE 11 STARTUP TEST REPORT

Gentlemen:

In accordance with Technical Specification 6.9.1.3 for the Brunswick Steam Electric Plant, Unit 1, Carolina Power & Light Company (CP&L) hereby submits the Cycle 11 Startup Report (provided in Enclosure 1).

Brunswick Technical Specification 6.9.1.1 states that a startup report should be submitted following the "(3) installation of a fuel that has a different design or has been manufactured by a different fuel supplier, and (4) modifications that may have significantly altered the nuclear, thermal, or hydraulic performance of the plant." Based on this requirement, the enclosed report is being submitted due to the loading of the new GE13 fuel type for Cycle 11 operation and the change in the maximum licensed power level from 2436 to 2558 Megawatts (thermal). The enclosed report satisfies the requirement of Specification 6.9.1.3 to submit a startup report within 90 days following resumption of commercial operation.

In accordance with Technical Specification 6.9.1.2, the enclosed startup report addresses tests identified in Section 14.4.1 of the Updated Final Safety Analysis Report. At present, Unit 1 Cycle 11 operation has been limited to 95 percent of reactor power. As a result, the startup testing program has not been completed. Therefore, in accordance with Technical Specification 6.9.1.3, CP&L will submit a supplemental report every three months following issuance of this report until the startup testing has been completed.

Please refer any questions regarding this submittal to Mr. Tony Harris at (910) 457 3312.

Sincerely,

Mark A. Turkal  
Supervisor — Licensing  
Brunswick Nuclear Plant

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Enclosures

cc: U. S. Nuclear Regulatory Commission  
ATTN.: Mr. Luis A. Reyes, Regional Administrator  
101 Marietta Street, N.W., Suite 2900  
Atlanta, GA 30323-0199

Mr. C. A. Patterson  
NRC Senior Resident Inspector - Brunswick Units 1 and 2:

U.S. Nuclear Regulatory Commission  
ATTN.: Mr. David C. Trimble, Jr. (Mail Stop OWF# 14H.22)  
11555 Rockville Pike  
Rockville, MD 20852-2738

The Honorable J. A. Sanford  
Chairman — North Carolina Utilities Commission  
P.O. Box 29510  
Raleigh, NC 27626-0510

ENCLOSURE 1

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
NRC DOCKET NOS. 50-325 AND 50-324  
OPERATING LICENSE NOS. DPR-71 AND DPR-62

UNIT 1 B111R1 STARTUP TEST REPORT