



Carolina Power & Light Company

OCT 20 1983

SERIAL: LAP-83-452

Director of Nuclear Reactor Regulation
Attention: Mr. D. B. Vassallo, Chief
Operating Reactors Branch No. 2
Division of Licensing
United States Nuclear Regulatory Commission
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
INTEGRATED LEAK RATE TEST

Dear Mr. Vassallo:

Carolina Power & Light Company (CP&L) hereby requests NRC approval to perform a short duration integrated leakage rate test (Type A) at the Brunswick Steam Electric Plant Units No. 1 and 2 (BSEP No. 1 and 2). The short duration test will be performed to meet the test duration criteria contained in Section 2.0 of the Bechtel Topical Report NB-TOP-1, Revision 1, dated November 1, 1972, "Testing Criteria for Integrated Leakage Rate Testing of Primary Containment Structures for Nuclear Power Plants". The test will also be in conformance with BSEP Unit No. 1 and 2 Technical Specifications, 10 CFR 50 Appendix J and ANSI N45.4-1972, "Leakage-Rate Testing of Containment Structures for Nuclear Reactors."

In addition to meeting the above criteria, the mass point technique will also be used to calculate the leakage rate. This technique is recommended in ANSI N56.8-1981, "Containment System Leakage Testing Requirements" for short duration leak rate tests. The measured overall integrated containment leakage rate, defined in the BSEP Technical Specifications and required by 10 CFR 50, Appendix J, will be used as the acceptance criteria.

CP&L understands that the Bechtel Topical Report has been approved by the NRC. Changes to the BSEP Technical Specifications will not be required to perform a short duration integrated leakage rate test (Type A).

In order to facilitate scheduling for the March 1984 BSEP No. 2 outage, CP&L requests NRC approval of this request by January 1, 1984.

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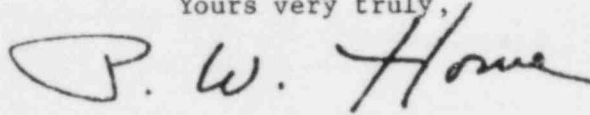
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Mr. D. B. Vassallo

- 2 -

Should you have any questions regarding this issue, please contact a member of our Licensing Staff.

Yours very truly,

A handwritten signature in dark ink, appearing to read "P. W. Howe". The signature is fluid and cursive, with the first letters of each name being capitalized and prominent.

P. W. Howe
Vice President
Brunswick Nuclear Project

PPC/tda (8029PPC)

cc: Mr. D. O. Myers (NRC-BSEP)
Mr. J. P. O'Reilly (NRC-R11)
Mr. S. D. MacKay (NRC)