

December 20, 2005

Mr. James Scarola, Vice President
Carolina Power & Light Company
P.O. Box 10429
Southport, NC 28461-0429

SUBJECT: SAFETY EVALUATION REPORT FOR BRUNSWICK STEAM ELECTRIC
PLANT, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION

Dear Mr. Scarola:

By letter dated October 18, 2004, Carolina Power & Light Company (CP&L or the applicant) submitted an application to the U.S. Nuclear Regulatory Commission (NRC or the staff) for the renewal of the Brunswick Steam Electric Plant (BSEP), Units 1 and 2, operating licenses for up to an additional 20 years. The license renewal application (LRA) was submitted pursuant to Title 10 of the *Code of Federal Regulations* Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants." The NRC staff determined that the LRA was complete and acceptable for docketing on December 6, 2004.

The NRC staff has reviewed the CP&L LRA and has developed the enclosed "Safety Evaluation Report related to the License Renewal of the Brunswick Steam Electric Plant, Units 1 and 2," herein after referred to as the Safety Evaluation Report (SER). This SER reflects the status of the staff's review of the LRA, requests for additional information (RAIs), the applicant's responses to the staff's RAIs, and other questions related to the LRA through December 6, 2005, unless otherwise noted. Issuance of the enclosed SER is an important milestone for both the applicant and the staff.

The NRC staff has not identified any open or confirmatory items in its review. However, in accordance with the schedule for completing the review of the LRA, the applicant is requested to review the enclosed SER, verify its accuracy, and provide comments to the NRC staff by February 20, 2006. The staff plans to review the current content and format of the SER to further improve the SER while incorporating the applicant's responses. A complete and revised SER will then be issued by April 4, 2006.

J. Scarola

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The staff is committed to completing the review of the BSEP SER in a timely manner. If you have any questions regarding this matter, please contact the license renewal project manager, Mr. Sikhindra Mitra at 301-415-2783 or via e-mail at SKM1@nrc.gov.

Sincerely,

/RA P. T. Kuo for/

Frank P. Gillespie, Director
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-325 and 50-324

Enclosure:
As stated

cc w/encl: See next page

J. Scarola

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The staff is committed to completing the review of the BSEP SER in a timely manner. If you have any questions regarding this matter, please contact the license renewal project manager, Mr. Sikhindra Mitra at 301-415-2783 or via e-mail at SKM1@nrc.gov.

Sincerely,

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Frank P. Gillespie, Director
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ADAMS ACCESSION NUMBERS: Pkg - ML053550301
Ltr to J. Scarola - ML053550313
SER - ML053550324

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DATE	12/ 14 /05	12/ 19 /05	12/ 19 /05	12/ 19 /05	12/ 20 /05

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Brunswick Steam Electric Plant, Units 1 and 2

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Brunswick Steam Electric Plant, Units 1 and 2 -2-

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Letter to James Scarola From Frank P. Gillespie dated December 20, 2005

SUBJECT: SAFETY EVALUATION REPORT FOR BRUNSWICK STEAM ELECTRIC PLANT,
UNITS 1 AND 2, LICENSE RENEWAL APPLICATION

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