



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 31, 2011

Mr. Thomas Joyce
President and Chief Nuclear Officer
PSEG Nuclear LLC
P.O. Box 236
Hancocks Bridge, NJ 08038

SUBJECT: SAFETY EVALUATION REPORT RELATED TO THE LICENSE RENEWAL OF
SALEM NUCLEAR GENERATING STATION, UNITS 1 AND 2

Dear Mr. Joyce:

By letter dated August 18, 2009, Public Service Enterprise Group Nuclear, LLC, submitted, for the U.S. Nuclear Regulatory Commission (NRC or the staff) review, an application to renew the Salem Nuclear Generating Station, Units 1 and 2 (Salem), operating license for 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 staff determined that the LRA was complete and acceptable for docketing on October 15, 2009.

Since that time, the staff has reviewed the Salem LRA, performed site audits and inspections, issued requests for additional information (RAIs), reviewed the applicant's responses to the staff's RAIs, developed a safety evaluation report (SER) with open items dated November 4, 2010, and reviewed the applicant's comments on the SER with open items. The SER with open items was discussed at an Advisory Committee on Reactor Safeguards (ACRS) subcommittee meeting on December 1, 2010. On the basis of this review, the staff has developed the enclosed SER to document its findings associated with the safety review of the LRA and supporting documentation for Salem.

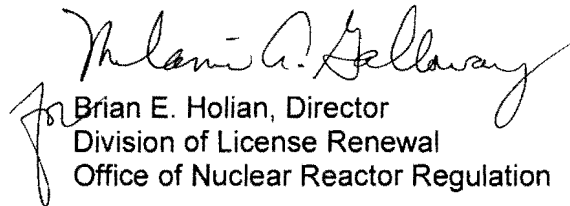
This SER is scheduled to be discussed at the ACRS full committee meeting on May 12, 2011.

T. Joyce

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If you have any questions regarding this matter, please contact the license renewal project manager, Ms. Bennett Brady by telephone at (301) 415-2981 or by e-mail at Bennett.Brady@nrc.gov.

Sincerely,


Brian E. Holian, Director
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-272 and 50-311

Enclosure:
As stated

cc w/encl: Distribution via Listserv

T. Joyce

- 2 -

If you have any questions regarding this matter, please contact the license renewal project manager, Ms. Bennett Brady by telephone at (301) 415-2981 or by e-mail at Bennett.Brady@nrc.gov.

Sincerely,

/RA/ Melanie Galloway for

Brian E. Holian, Director
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-272 and 50-311

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Letter to T. Joyce from B. Holian dated March 31, 2011

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SALEM NUCLEAR GENERATING STATION, UNITS 1 AND 2**

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