



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

October 25, 2010

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR SALEM NUCLEAR
GENERATING STATION, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION
ON STRUCTURES MONITORING (TAC NOS. ME1834 AND ME1836)

Dear Mr. Joyce:

By letter dated August 18, 2009, Public Service Enterprise Group Nuclear, LLC, submitted an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54 for renewal of Operating License Nos. DPR-70 and DPR-75 for Salem Nuclear Generating Station, Units 1 and 2, respectively. The staff of the U.S. Nuclear Regulatory Commission (NRC or the staff) is reviewing this application in accordance with the guidance in NUREG-1800, "Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants." During its review, the staff has identified areas where additional information is needed to complete the review. The staff's request for additional information is included in the Enclosure. Further requests for additional information may be issued in the future.

Items in the enclosure were provided to John Hufnagel and other members of your staff, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me by telephone at 301-415-2981 or by e-mail at bennett.brady@nrc.gov.

Sincerely,

A handwritten signature in cursive script, appearing to read "Bennett Brady".

Bennett M. Brady, Project Manager
Projects Branch 1
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

REQUEST FOR ADDITIONAL INFORMATION FOR SALEM NUCLEAR GENERATING
STATION, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION ON STRUCTURES
MONITORING (TAC NOS. ME1834 AND ME1836)

RAI B.2.1.33-07

Background:

The Salem Nuclear Generating Station, Unit 1, spent fuel pool (SFP) has experienced borated water leakage, including leakage through the concrete walls. In response to request for additional information B.2.1.33-05, dated September 1, 2010, the applicant stated: "Presently, there are no indications of active leakage from the SFP through the SFP wall."

Issue:

Although the applicant has stated that there are no indications of active leakage through the accessible SFP wall, the applicant has not confirmed that there is no through-wall leakage from the three inaccessible walls of the SFP.

Request:

Provide information to confirm the claim that there is no active through-wall leakage from the SFP occurring in any of the SFP walls, including the inaccessible walls.

ENCLOSURE

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*concurrence via e-mail

OFFICE	LA:DLR	PM:DLR:RPB1	BC:DLR:RPB1	PM:DLR:RPB1
NAME	IKing *	B. Brady	B. Pham	B. Brady
DATE	10/21/10	10/22/10	10/25/10	10/25/10

OFFICIAL RECORD COPY

Letter to T. Joyce from B. Brady dated October 25, 2010

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 ON STRUCTURES MONITORING (TAC NOS. ME1834 AND ME1836)**

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