

April 30, 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 REGARDING SCOPING AND
SCREENING METHODOLOGY FOR THE SALEM NUCLEAR GENERATING
STATION UNITS 1 AND 2, LICENSE RENEWAL APPLICATION (TAC NOS.
ME1836 AND ME1834)

Dear Mr. Joyce:

By letter dated August 18, 2009, as supplemented by letter dated January 23, 2009, Public Service Enterprise Group Nuclear, LLC, submitted an application pursuant to Title 10 of the *Code of Federal Regulation* Part 54 (10 CFR 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 requests for additional information are included in the Enclosure. Further requests for additional information may be issued in the future.

Items in the enclosure were discussed with 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 301-415-3191 or by e-mail at donnie.ashley@nrc.gov.

Sincerely,

/RA/ B. Brady for

Donnie J. Ashley, Sr. 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: See next page

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Donnie J. Ashley, Sr. Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-272 and 50-311

Enclosure:
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ADAMS Accession No: ML101020481

OFFICE	PM:DLR:RPB1	LA:DLR	BC:DLR:RPB1	PM:DLR:RPB1
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DATE	04/16/10	04/30/10	04/30/10	04/30/10

OFFICIAL RECORD COPY

Letter to PSEG Nuclear from D. Ashley, dated April 30, 2010.

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REnnis

CSanders

BHarris, OGC

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Salem Nuclear Generating Station
Units 1 and 2

cc:

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Salem Nuclear Generating Station
Units 1 and 2

- 2 -

cc:

Ms. Christine Neely
Director – Regulator Affairs
PSEG Nuclear LLC
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Hancocks Bridge, NJ 08038

Mr. Earl R. Gage
Salem County Administrator
Administration Building
94 Market Street
Salem, NJ 08079

**REQUEST FOR ADDITIONAL INFORMATION SCOPING AND SCREENING
METHODOLOGY FOR THE SALEM NUCLEAR GENERATING STATION UNITS 1 AND 2
LICENSE RENEWAL APPLICATION (TAC NO. ME1836 AND ME1834)**

RAI 2.1-1

Background:

Pursuant to 10 CFR 54.4(a)(1), the applicant must consider the following plant systems, structures, and components within the scope of license renewal:

Safety-related systems, structures, and components which are those relied upon to remain functional during and following design-basis events (as defined in 10 CFR 50.49 (b)(1)) to ensure the following functions -

- (i) The integrity of the reactor coolant pressure boundary;
- (ii) The capability to shut down the reactor and maintain it in a safe shutdown condition; or
- (iii) The capability to prevent or mitigate the consequences of accidents which could result in potential offsite exposures comparable to those referred to in 10 CFR 50.34(a)(1), 10 CFR 50.67(b)(2), or 10 CFR 100.11, as applicable.

License Renewal Application (LRA) Section 2.1.3.2, "Identification of Safety-Related Systems and Structures," states:

Safety-related systems and structures are included in the scope of license renewal in accordance with 10 CFR 54.4(a)(1) scoping criterion. Salem systems and structures that have been classified as safety-related are identified as "Q" in the controlled quality classification data field in the Systems, Applications and Products in Data Processing (SAP) database. Salem quality classification procedures were reviewed against the license renewal "Safety-related" scoping criterion in 10 CFR 54.4(a)(1), to confirm that Salem safety-related classifications are consistent with license renewal requirements. This review is included in a technical basis document. The basis document also provides a summary list of the systems and structures that are safety-related at Salem. These systems and structures were included in the scope of license renewal under the 10 CFR 54.4(a)(1) scoping criteria.

Issues:

1. During review of the LRA and performance of the scoping and screening methodology audit, performed on-site January 11-21, 2010, the staff determined that the scoping implementing documents discuss the use of the classification "SR", listed in the component classification field in the SAP as an initial identifier of safety-related systems. In addition, the classification "Q", listed in the component classification field in the SAP, was also used to determine whether systems identified would be included within the scope of license renewal in accordance with 10 CFR 54.4(a)(1). The staff determined that a detailed description of the process would be required for the staff to complete its review.

Request:

The staff requests that the applicant provide a detailed description of the use of all component classification, in the SAP, including "SR" and "Q" that were used to identify safety-related systems to be included within the scope of license renewal or used to exclude systems, from within the scope of license renewal.

2. During review of the LRA and performance of the scoping and screening methodology audit, performed on-site January 11-21, 2010, the staff determined that the 10 CFR 54.4(a)(1) implementing document discusses incorrect or conservative SAP component data module (CDM) classifications. The implementing document provided the process and results of the applicant's determination that certain systems, do not perform safety-related functions as defined in 10 CFR 54.4(a)(1), and were, therefore, not included within the scope of license renewal in accordance with 10 CFR 54.4(a)(1). The staff determined that a detailed description of the process would be required for the staff to complete its review.

Request:

The staff requests that the applicant provide a detailed description of the process used to evaluate systems or components, identified as safety-related in SAP, and to conclude that the SAP component data module (CDM) classifications were conservative or incorrect and that the systems or components do not perform safety-related functions as defined in 10 CFR 54.4(a)(1).

The staff requests that the applicant perform a review of these issues and indicate if the review concludes that use of the scoping methodology precluded the identification of structures, systems and components (SSCs) which should have included within the scope of license renewal in accordance with 10 CFR 54.4(a). Describe any additional scoping evaluations to be performed to address the 10 CFR 54.4(a) criteria. As part of your response, list any additional SSCs included within the scope as a result of your efforts, and list those structures and components for which aging management reviews were conducted or any additional information related to material and environment combinations. For each structure and component, describe the aging management programs, as applicable, to be credited for managing the identified aging effects.