



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

July 23, 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 ELASTOMER  
COMPONENTS FOR THE SALEM NUCLEAR GENERATING STATION, UNIT 1  
AND UNIT 2, LICENSE RENEWAL APPLICATION (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](mailto:bennett.brady@nrc.gov).

Sincerely,

A handwritten signature in cursive script that reads "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 ON ELASTOMER COMPONENTS FOR THE  
SALEM NUCLEAR GENERATING STATION, UNIT 1 AND UNIT 2,  
LICENSE RENEWAL APPLICATION  
(TAC NOS. ME1834 AND ME1836)

**RAI 3.3.2.2.13-01**

Background:

License renewal application (LRA) Subsection 3.3.2.2.13 states that item number 3.3.1-34 is not applicable for Salem Nuclear Generating Station (Salem) because elastomer components that experience wear are periodically replaced and therefore are not subject to aging management review.

As required by 10 CFR 54.21(a)(ii), "Structures and components subject to an aging management review shall encompass those structures and components ... that are not subject to replacement based on a qualified life or specified time period."

Issue:

Although the LRA states that elastomer components that experience wear are periodically replaced, it is not clear to the staff whether the replacement frequency is based on a qualified life or on a specified time period.

Request:

- a) Identify what systems contain in-scope elastomer components that experience wear and are subject to periodic replacement.
- b) Clarify whether the replacement frequency for elastomer components that experience wear is based on a qualified life or on a specified time period.
- c) Provide the technical basis for the components' qualified life or replacement time period, and justify why that replacement frequency is adequate to provide reasonable assurance that failure due to age-related wear does not occur between successive replacements.

ENCLOSURE

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*/RA/*

Bennett M. Brady, Project Manager  
Projects Branch 1  
Division of License Renewal  
Office of Nuclear Reactor Regulation

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NAME	B. Brady	I. King	B. Pham	B. Brady
DATE	07/20/10	07/16/10	07/21/10	07/23/10

OFFICIAL RECORD COPY

Letter to T. Joyce from B. Brady dated July 23, 2010

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