



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

June 24, 2015

Mr. Robert Braun
President and Chief Nuclear Officer
PSEG Nuclear LLC-N09
P.O. Box 236
Hancocks Bridge, NJ 08038

SUBJECT: SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2 –
ACCEPTANCE OF REQUESTED LICENSING ACTION RE: AMENDMENT
REQUEST REGARDING REPLACEMENT OF SOURCE RANGE AND
INTERMEDIATE RANGE NEUTRON MONITORING SYSTEMS
(TAC NOS. MF6065 AND MF6066)

Dear Mr. Braun:

By letter dated April 3, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15093A291), PSEG Nuclear LLC (PSEG) submitted a license amendment request for Salem Nuclear Generating Station, Unit Nos. 1 and 2. The proposed amendment would revise Technical Specification (TS) 3/4.3.1, "Reactor Trip System Instrumentation," to support planned plant modifications to replace the existing source range (SR) and intermediate range (IR) nuclear instrumentation with Thermo Scientific Neutron Flux Monitoring Systems. Specifically, the changes would modify the SR and IR neutron flux reactor trip Allowable Values and the permissive P-6 reset value, and would add two new footnotes to the Channel Functional Test and Channel Calibration in TS 3/4.3.1, Table 4.3-1.

By letter dated May 14, 2015 (ADAMS Accession No. ML15127A287), the U.S. Nuclear Regulatory Commission (NRC) staff informed PSEG that additional information was necessary to enable the staff to make an independent assessment regarding the acceptability of the proposed amendment in terms of regulatory requirements and the protection of public health and safety and the environment. PSEG provided the requested information by letter dated June 2, 2015 (ADAMS Accession No. ML15153A193).

The purpose of this letter is to provide the results of the NRC staff's acceptance review of this amendment request. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical review. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

Consistent with Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an amendment to the license (including the TSs) must fully describe the changes requested, and following as far as applicable, the form prescribed for original applications. Section 50.34 of 10 CFR addresses the content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

R. Braun

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The NRC staff has reviewed your application, as supplemented by the June 2, 2015, letter, and concluded that it does provide technical information in sufficient detail to enable the NRC staff to complete its detailed technical review and make an independent assessment regarding the acceptability of the proposed amendment in terms of regulatory requirements and the protection of public health and safety and the environment. Given the lesser scope and depth of the acceptance review as compared to the detailed technical review, there may be instances in which issues that impact the NRC staff's ability to complete the detailed technical review are identified despite completion of an adequate acceptance review. You will be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

If you have any questions, please contact me at (301) 415-1603 or carleen.parker@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Carleen J. Parker", with a stylized flourish at the end.

Carleen J. Parker, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-272 and 50-311

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R. Braun

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The NRC staff has reviewed your application, as supplemented by the June 2, 2015, letter, and concluded that it does provide technical information in sufficient detail to enable the NRC staff to complete its detailed technical review and make an independent assessment regarding the acceptability of the proposed amendment in terms of regulatory requirements and the protection of public health and safety and the environment. Given the lesser scope and depth of the acceptance review as compared to the detailed technical review, there may be instances in which issues that impact the NRC staff's ability to complete the detailed technical review are identified despite completion of an adequate acceptance review. You will be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

If you have any questions, please contact me at (301) 415-1603 or carleen.parker@nrc.gov.

Sincerely,

/RA/

Carleen J. Parker, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-272 and 50-311

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