

PSEG Nuclear LLC

P.O. Box 236, Hancocks Bridge, NJ 08038-0236



NEI 99-04

LR-N22-0090

November 10, 2022

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Salem Generating Station – Unit 1 and Unit 2
Renewed Facility Operating License Nos. DPR-70 and DPR-75
NRC Docket Nos. 50-272 and 50-311

Subject: **Supplement to Submittal of Salem Generating Station Updated Final Safety Analysis Report, Revision 33, 10 CFR 71.106 review results and 10 CFR 54.37(b) review results for Salem**

Reference: LR-N22-0086, "Submittal of Salem Generating Station Updated Final Safety Analysis Report, Revision 33, 10 CFR 71.106 review results and 10 CFR 54.37(b) review results for Salem" dated October 24, 2022

On October 25, 2022, PSEG Nuclear LLC (PSEG) submitted the Salem Generating Station Updated Final Safety Analysis Report, Revision 33 which included a summary of changed/closed regulatory commitments that were not reported by other means during 2021 and 2022 to date in accordance with NEI 99-04. Subsequent to this submittal, PSEG determined that the summary of changed/closed regulatory commitments in Attachment 2 of the above referenced submittal contained incorrect information. A corrected summary is included as Attachment 1 to this letter.

There are no regulatory commitments contained in this letter.

If you have any questions or require additional information, please contact Mr. Lee Marabella at (856) 339-1208.

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I declare under penalty of perjury that the foregoing is true and correct.

Executed on 11/10/2022
(Date)

Respectfully,

 FOR R. MONTGOMERY

Richard Montgomery
Manager, Licensing
PSEG Nuclear, LLC

Attachment:

1. Summary Report of Salem Changed/Closed Regulatory Commitments

cc: Administrator, Region I, NRC
Project Manager, NRC
NRC Senior Resident Inspector, Salem
Manager, NJBNE
Corporate Commitment Tracking Coordinator
Station Commitment Tracking Coordinator

Attachment 1

Summary Report of Salem Changed/Closed Regulatory Commitments

Original Commitment	Changed/Closed Commitment	Justification for Change
<p>Original Commitment:</p> <p>Complete hardware installation of Open Phase Condition Initiative and activation of OPC monitoring and alarm functions.</p> <p>Source Documents: NEI letter to NRC dated October 9, 2013, "Industry Initiative on Open Phase Condition", (ADAMS Accession No. ML13333A147).</p> <p>NEI letter to NRC dated March 16, 2015, "Industry Initiative on Open Phase Condition, Revision 1", (ADAMS Accession No. ML15075A455).</p> <p>References: CM-SC-2014-906 80119154 70219655 / 0130</p> <p>Date of Change: July 14, 2022</p>	<p>This one-time commitment is closed per NRC letter to PSEG dated November 19, 2021, "Salem Nuclear Generating Station, Units 1 and 2 – Closeout of Bulletin 2012-01, 'Design Vulnerability in Electric Power System'" (ADAMS Accession No. ML21320A204);</p>	<p>PSEG Nuclear completed installation of open phase protection equipment at Salem Generating Station.</p> <p>Salem Nuclear Generating Station, Units 1 and 2 – Temporary Instruction 2515/194 Report 05000272/2020010 and 05000311/2020010, dated April 8, 2020 (ADAMS Accession No. ML20107H134)</p> <p>Salem Nuclear Generating Station, Units 1 and 2 – Temporary Instruction 2515/194 Report 05000272/2021011 and 05000311/2021011, dated September 30, 2021 (ADAMS Accession No. ML21272A282)</p>

Original Commitment	Changed/Closed Commitment	Justification for Change
<p>Original Commitment:</p> <p>Enable automated trip function. Implementation of Voluntary Industry Initiative for OPC protection completed.</p> <p>Source Documents: NEI letter to NRC dated October 9, 2013, "Industry Initiative on Open Phase Condition", (ADAMS Accession No. ML13333A147).</p> <p>NEI letter to NRC dated March 16, 2015, "Industry Initiative on Open Phase Condition, Revision 1", (ADAMS Accession No. ML15075A455).</p> <p>NEI email to NRC dated June 6, 2019, "Industry Initiative on Open Phase Condition, Revision 3", (ADAMS Accession No. ML19163A176).</p> <p>References: CM-SC-2014-907 80119154 70219655 / 0130</p> <p>Date of Change: July 14, 2022</p>	<p>This one-time commitment is closed per NRC letter to PSEG dated November 19, 2021, "Salem Nuclear Generating Station, Units 1 and 2 – Closeout of Bulletin 2012-01, 'Design Vulnerability in Electric Power System'" (ADAMS Accession No. ML21320A204);</p>	<p>PSEG Nuclear completed installation of open phase protection equipment at Salem Generating Station without the automated trip function. The station relies on operator manual action to diagnose and mitigate an open phase condition.</p> <p>Salem Nuclear Generating Station, Units 1 and 2 – Temporary Instruction 2515/194 Report 05000272/2020010 and 05000311/2020010, dated April 8, 2020 (ADAMS Accession No. ML20107H134)</p> <p>Salem Nuclear Generating Station, Units 1 and 2 – Temporary Instruction 2515/194 Report 05000272/2021011 and 05000311/2021011, dated September 30, 2021 (ADAMS Accession No. ML21272A282)</p>

Original Commitment	Changed/Closed Commitment	Justification for Change
<p>Original Commitment:</p> <p>PSEG will submit to the NRC for review and approval a best estimate LOCA analysis using FSLOCA (Westinghouse Full Spectrum LOCA) for Salem Units 1 & 2 consistent with the implementation requirements of 10CFR50.46(c). FSLOCA requires PAD 5 (Westinghouse fuel performance analysis methodology) which explicitly includes the effects of fuel Thermal Conductivity Degradation (TCD).</p> <p>Earlier submittal may occur based on plant modifications affecting the current LOCA analysis or the decision to recover Peak Clad Temperature (PCT) margin by implementing FSLOCA. Implementation of FSLOCA would remove limitations and conservatisms associated with our current LOCA analysis, including those which address fuel TCD.</p> <p>Commitment Date: December 15, 2022.</p> <p>Source Documents: LR-N12-0328 Salem Loss of Coolant Accident Peak Cladding Temperature Margin Tracking – 30 Day Report, October 19, 2012.</p> <p>References: CM-U1-2012-860; CM-U2-2012-861; 80107550 / 0081 80128071 / 0230</p> <p>Date of Change: August 16, 2022</p>	<p>PSEG will submit to the NRC for review and approval a best estimate LOCA analysis using FSLOCA (Westinghouse Full Spectrum LOCA) for Salem Units 1 and 2 that includes the effects of the Upflow conversion program consistent with the implementation requirements of 10CFR50.46c.</p> <p>Earlier submittal may occur based on plant modifications affecting the current LOCA analysis or the decision to recover Peak Clad Temperature (PCT) margin by implementing FSLOCA. Implementation of FSLOCA would remove limitations and conservatisms associated with our current LOCA analysis.</p> <p>Commitment Date: Five years after completion of 10 CFR 50.46c rulemaking.</p>	<p>The justification for changing the commitment is based on the uncertainty related to the NRC's approval of 10CFR50.46c. With the current commitment due at the end of 2022, it is prudent to extend the commitment to a date dependent on completion of 10CFR50.46c rulemaking to provide sufficient time for PSEG to submit a schedule for compliance to the NRC.</p>