



AUG 30 2016

10 CFR 50.90

LR-N16-0159
LAR S14-04

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

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

Subject: Response to Request for Additional Information Regarding Chilled Water System Modifications (CAC Nos. MF6724 and MF6725)

- References
1. PSEG letter to NRC, "License Amendment Request Modifying Chilled Water System Requirements," dated September 11, 2015 (ADAMS Accession No. ML15254A387)
 2. PSEG letter to NRC, "Response to Request for Additional Information Regarding Chilled Water System Modifications (CAC Nos. MF6724 and MF6725)," dated August 12, 2016 (ADAMS Accession No. ML16225A436)

In the Reference 1 letter, PSEG Nuclear LLC (PSEG) submitted a license amendment request for Salem Nuclear Generating Station (Salem), Unit Nos. 1 and 2. The proposed amendment would revise Technical Specification (TS) 3/4.7.10, "Chilled Water System – Auxiliary Building Subsystem," to allow (1) a reduction in the number of required components (two vs. three required chillers) and (2) use of the cross-tie capability between Unit 1 and Unit 2. A supporting change would also be made to the Control Room Emergency Air Conditioning System TS 3.7.6.1 (Unit 1) and TS 3.7.6 (Unit 2).

In the Reference 2 letter, PSEG provided a response to the NRC staff's request for additional information (RAI) which included a revision to the Salem Unit 1 and 2 TS mark ups provided in the Reference 1 letter. PSEG is issuing this letter to correct two typographical errors in the TS mark ups provided in the Reference 2 letter: 1) correct the numbering of the applicability associated with the LCO 3.7.10a configuration, and 2) add a period at the end of the # footnote. Attachment 1 provides the revised TS mark ups.

PSEG has determined that the information provided in this submittal does not alter the conclusions reached in the 10 CFR 50.92 no significant hazards determination previously submitted. In addition, the information provided in this submittal does not affect the bases for

AUG 30 2016

LR-N16-0159
Page 2

10 CFR 50.90

concluding that neither an environmental impact statement nor an environmental assessment needs to be prepared in connection with the proposed amendment.

There are no regulatory commitments contained in this letter.

If you have any questions or require additional information, please contact Brian Thomas at (856) 339-2022.

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

Executed on 8/30/16
(Date)

Respectfully,



Eric Carr
Acting Site Vice President
Salem Generating Station

Attachment 1 Revised Mark-up of Proposed Technical Specification Pages

cc: Mr. D. Dorman, Administrator, Region I, NRC
 Ms. C. Parker, Project Manager, NRC
 NRC Senior Resident Inspector, Salem
 Mr. P. Mulligan, Chief, NJBNE
 Mr. L. Marabella, Corporate Commitment Tracking Coordinator
 Mr. T. Cachaza, Salem Commitment Tracking Coordinator

Revised Mark-up of Proposed Technical Specification Pages

The following Technical Specifications for Renewed Facility Operating License DPR-70 are affected by this change request:

<u>Technical Specification</u>	<u>Page</u>
3/4.7.10, Insert A	3/4 7-33

The following Technical Specifications for Renewed Facility Operating License DPR-75 are affected by this change request:

<u>Technical Specification</u>	<u>Page</u>
3/4.7.10, Insert D	3/4 7-28

Insert A

	a	b	c
Configuration	<ol style="list-style-type: none"> 1. Three OPERABLE chillers and, 2. Two OPERABLE chilled water pumps 	<ol style="list-style-type: none"> 1. Two OPERABLE chillers and, 2. Two OPERABLE chilled water pumps 	<ol style="list-style-type: none"> 1. Three OPERABLE chillers and, 2. Two OPERABLE chilled water pumps from either Unit 1 or Unit 2 (Units Cross-tied)⁽²⁾
APPLICABILITY	<ol style="list-style-type: none"> 1. ALL MODES and during movement of irradiated fuel assemblies 	<ol style="list-style-type: none"> 1. From November 1 through April 30 in ALL MODES and during movement of irradiated fuel assemblies[#] 2. The Unit 1 Emergency Control Air Compressor (ECAC) is isolated from the chilled water system 3. Chilled water flow to the third chiller that is not in service is isolated⁽¹⁾ 4. Control Room Emergency Air Conditioning System (CREACS) alignment <ol style="list-style-type: none"> a. BOTH CREACS trains OPERABLE, no additional chilled water heat load removal required, OR b. Single CREACS train OPERABLE (TS 3.7.6.1 ACTION a.) the following restrictions apply: <ol style="list-style-type: none"> i. Alignment only permitted to Unit 2 ii. Unit 2 must be in the LCO 3.7.10a configuration iii. Non-essential heat loads are isolated from the chilled-water system on BOTH Units 	<ol style="list-style-type: none"> 1. From November 1 through April 30 in ALL MODES and during movement of irradiated fuel assemblies^{##} 2. The Unit 1 and Unit 2 ECACs are isolated from the chilled water system 3. Non-Essential heat loads are isolated from the chilled water system on BOTH Units 4. BOTH CREACS trains are operable per TS 3.7.6.1 (single filtration train alignment is not permitted) 5. Unit chilled water cross-tie valves are OPEN 6. Administrative controls are in place for the Unit providing the required components to notify the other Unit if a chiller or pump becomes inoperable

The LCO 3.7.10b configuration may only be used for periods of 60 contiguous days. The 60-contiguous days does not apply for LCO 3.7.10b entry to support the replacement of all 6 original chillers (Units 1 and 2).

The LCO 3.7.10c configuration may only be used for periods of 45 contiguous days.

Insert D

	a	b	c
Configuration	<ol style="list-style-type: none"> 1. Three OPERABLE chillers and, 2. Two OPERABLE chilled water pumps 	<ol style="list-style-type: none"> 1. Two OPERABLE chillers and, 2. Two OPERABLE chilled water pumps 	<ol style="list-style-type: none"> 1. Three OPERABLE chillers and, 2. Two OPERABLE chilled water pumps <p>from either Unit 1 or Unit 2 (Units Cross-tied)⁽²⁾</p>
APPLICABILITY	<ol style="list-style-type: none"> 1. ALL MODES and during movement of irradiated fuel assemblies 	<ol style="list-style-type: none"> 1. From November 1 through April 30 in ALL MODES and during movement of irradiated fuel assemblies[#] 2. The Unit 2 Emergency Control Air Compressor (ECAC) is isolated from the chilled water system 3. Chilled water flow to the third chiller that is not in service is isolated⁽¹⁾ 4. Control Room Emergency Air Conditioning System (CREACS) alignment <ol style="list-style-type: none"> a. BOTH CREACS trains OPERABLE, no additional chilled water heat load removal required, OR b. Single CREACS train OPERABLE (TS 3.7.6 ACTION a.) the following restrictions apply: <ol style="list-style-type: none"> i. Alignment only permitted to Unit 1 ii. Unit 1 must be in the LCO 3.7.10a configuration iii. Non-essential heat loads are isolated from the chilled water system on BOTH Units 	<ol style="list-style-type: none"> 1. From November 1 through April 30 in ALL MODES and during movement of irradiated fuel assemblies^{###} 2. The Unit 1 and Unit 2 ECACs are isolated from the chilled water system 3. Non-Essential heat loads are isolated from the chilled water system on BOTH Units 4. BOTH CREACS trains are operable per TS 3.7.6 (single filtration train alignment is not permitted) 5. Unit chilled water cross-tie valves are OPEN 6. Administrative controls are in place for the Unit providing the required components to notify the other Unit if a chiller or pump becomes inoperable

The LCO 3.7.10b configuration may only be used for periods of 60 contiguous days. The 60-contiguous days does not apply for LCO 3.7.10b entry to support the replacement of all 6 original chillers (Units 1 and 2).

The LCO 3.7.10c configuration may only be used for periods of 45 contiguous days.