



10 CFR 50.90

LR-N18-0067  
LAR S18-02

**JUN 14 2018**

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

Salem 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: Supplement to License Amendment Request for Vital Instrument Bus Inverter Allowed Outage Time (AOT) Extension**

**Reference:** LR-N18-0033, "License Amendment Request: Vital Instrument Bus Inverter Allowed Outage Time (AOT) Extension," dated May 16, 2018

On May 16, 2018, PSEG Nuclear LLC (PSEG) submitted a license amendment request (LAR) to Renewed Facility Operating License Nos. DPR-70 and DPR-75 for Salem Generating Station Units 1 and 2 to extend the Allowed Outage Time (AOT) for Vital Instrument Bus Inverters. Subsequent to this submittal, PSEG determined that the Technical Specification (TS) markup pages in Attachment 1 of the LAR were inadvertently omitted. These TS markup pages are included as Attachment 1 to this letter.

The attached TS mark-ups do not affect the Technical Analysis or No Significant Hazards Consideration conclusions contained in the LAR. In addition, the information provided in this submittal does not affect the bases for 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 Mr. Lee Marabella at (856) 339-1208.

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

Executed on 6/14/18  
(Date)

Respectfully,



Charles V. McFeaters  
Site Vice President  
Salem Generating Station

Attachments:

1. Salem Units 1 and 2 Technical Specification LCO 3/4.8.2 marked-up pages

cc: Administrator, Region I, NRC  
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

LR-N18-0067

**Attachment 1**

**Salem Units 1 and 2 Technical Specification LCO 3/4.8.2 marked-up pages**

## ELECTRICAL POWER SYSTEMS

### 3/4.8.2 ONSITE POWER DISTRIBUTION SYSTEMS

#### A.C. DISTRIBUTION - OPERATING

#### LIMITING CONDITION FOR OPERATION

---

3.8.2.1 The following A.C. electrical busses shall be OPERABLE and energized from sources of power other than the diesel generators:

4 kvolt	Vital Bus # 1A	
4 kvolt	Vital Bus # 1B	
4 kvolt	Vital Bus # 1C	
460 volt	Vital Bus # 1A and associated control centers	
460 volt	Vital Bus # 1B and associated control centers	
460 volt	Vital Bus # 1C and associated control centers	
230 volt	Vital Bus # 1A and associated control centers	
230 volt	Vital Bus # 1B and associated control centers	
230 volt	Vital Bus # 1C and associated control centers	
115 volt	Vital Instrument Bus # 1A and Inverter	*
115 volt	Vital Instrument Bus # 1B and Inverter	*
115 volt	Vital Instrument Bus # 1C and Inverter	*
115 volt	Vital Instrument Bus # 1D and Inverter	*

APPLICABILITY: MODES 1, 2, 3 and 4.

ACTION:

- a. With less than the above complement of A.C. busses OPERABLE or energized, restore the inoperable bus to OPERABLE and energized status within 8 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- b. With one inverter inoperable, energize the associated A.C. Vital Bus within 8 hours; restore the inoperable 1A, 1B, or 1C inverter to OPERABLE and energized status within 24 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours; ~~restore the inoperable 1D inverter to OPERABLE and energized status within 72 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.~~

7 days

#### SURVEILLANCE REQUIREMENTS

---

4.8.2.1 The specified A.C. busses shall be determined OPERABLE and energized from A.C. sources other than the diesel generators in accordance with the Surveillance Frequency Control Program by verifying correct breaker alignment and indicated power availability.

- (\*) An inverter may be disconnected from its DC source for up to 24 hours for the purpose of performing an equalizing charge on its associated battery bank provided (1) its vital bus is OPERABLE and energized, and (2) the vital busses associated with the other battery banks are OPERABLE and energized.

## ELECTRICAL POWER SYSTEMS

### 3/4.8.2 ONSITE POWER DISTRIBUTION SYSTEMS

#### A.C. DISTRIBUTION - OPERATING

#### LIMITING CONDITION FOR OPERATION

---

3.8.2.1 The following A.C. electrical busses shall be OPERABLE and energized from sources of power other than the diesel generators:

4 kvolt	Vital Bus # 2A
4 kvolt	Vital Bus # 2B
4 kvolt	Vital Bus # 2C
460 volt	Vital Bus # 2A and associated control centers
460 volt	Vital Bus # 2B and associated control centers
460 volt	Vital Bus # 2C and associated control centers
230 volt	Vital Bus # 2A and associated control centers
230 volt	Vital Bus # 2B and associated control centers
230 volt	Vital Bus # 2C and associated control centers
115 volt	Vital Instrument Bus # 2A and Inverter *
115 volt	Vital Instrument Bus # 2B and Inverter *
115 volt	Vital Instrument Bus # 2C and Inverter *
115 volt	Vital Instrument Bus # 2D and Inverter *

APPLICABILITY: MODES 1, 2, 3 and 4.

#### ACTION:

- With less than the above complement of A.C. busses OPERABLE or energized, restore the inoperable busses to OPERABLE and energized status within 8 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- With one inverter inoperable, energize the associated A.C. Vital Bus within 8 hours; restore the inoperable 2A, 2B, or 2C inverter to OPERABLE and energized status within 24 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours; ~~restore the inoperable 2D inverter to OPERABLE and energized status within 72 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.~~

7 days

#### SURVEILLANCE REQUIREMENTS

---

4.8.2.1 The specified A.C. busses and inverters shall be determined OPERABLE and energized from A.C. sources other than the diesel generators in accordance with the Surveillance Frequency Control Program by verifying correct breaker alignment and indicated voltage on the busses.

- \* An inverter may be disconnected from its D.C. source for up to 24 hours for the purpose of performing an equalizing charge on its associated battery bank provided (1) its vital bus is OPERABLE and energized, and (2) the vital busses associated with the other battery banks are OPERABLE and energized.