



APR 10 2015

LR-N15-0056

10 CFR 50.73

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


LER 272/2015-002-00  
Salem Nuclear Generating Station Unit 1  
Renewed Facility Operating License No. DPR-75  
NRC Docket No. 50-311

SUBJECT: Condition Prohibited by Technical Specification for One Channel of  
Steam Generator Level Indication Inoperable

The Licensee Event Report, "Condition Prohibited by Technical Specification for One Channel of Steam Generator Level Indication Inoperable" is being submitted pursuant to 10 CFR 50.73 (a)(2)(i)(B), "Any operation or condition which was prohibited by the plant's Technical Specifications..."

The attached LER contains no commitments. Should you have any questions or comments regarding the submittal, please contact David Lafleur of Salem Regulatory Assurance at 856-339-1754.

Sincerely,

  
John F. Perry  
Site Vice President – Salem

Attachments (1)

APR 10 2015

10 CFR 50.73

Page 2  
LR-N15-0056

cc Mr. D. Dorman, Administrator – Region 1, NRC  
Ms. C. Sanders, Licensing Project Manager – Salem, NRC  
Mr. P. Finney, USNRC Senior Resident Inspector, Salem (X24)  
Mr. P. Mulligan, Manager IV, NJBNE  
Mr. R. Braun, President and Chief Nuclear Officer – Nuclear  
Mr. T. Cachaza, Salem Commitment Tracking Coordinator  
Mr. L. Marabella, Corporate Commitment Tracking Coordinator  
Mr. D. Lafleur, Salem Regulatory Assurance



**LICENSEE EVENT REPORT (LER)**

(See Page 2 for required number of digits/characters for each block)

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA, Privacy and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

<b>1. FACILITY NAME</b> Salem Generating Station – Unit 1	<b>2. DOCKET NUMBER</b> 05000272	<b>3. PAGE</b> 1 OF 3
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**4. TITLE** Condition Prohibited by Technical Specification for One Channel of Steam Generator Level Indication Inoperable

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO.	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
08	19	2013	2015	- 002	- 000	04	10	2015	FACILITY NAME	DOCKET NUMBER

9. OPERATING MODE	11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)			
1        10. POWER LEVEL        100%	<input type="checkbox"/> 20.2201(b)	<input type="checkbox"/> 20.2203(a)(3)(i)	<input type="checkbox"/> 50.73(a)(2)(i)(C)	<input type="checkbox"/> 50.73(a)(2)(vii)
	<input type="checkbox"/> 20.2201(d)	<input type="checkbox"/> 20.2203(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)
	<input type="checkbox"/> 20.2203(a)(1)	<input type="checkbox"/> 20.2203(a)(4)	<input type="checkbox"/> 50.73(a)(2)(ii)(B)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)
	<input type="checkbox"/> 20.2203(a)(2)(i)	<input type="checkbox"/> 50.36(c)(1)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)(A)
	<input type="checkbox"/> 20.2203(a)(2)(ii)	<input type="checkbox"/> 50.36(c)(1)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(iv)(A)	<input type="checkbox"/> 50.73(a)(2)(x)
	<input type="checkbox"/> 20.2203(a)(2)(iii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(v)(A)	<input type="checkbox"/> 73.71(a)(4)
	<input type="checkbox"/> 20.2203(a)(2)(iv)	<input type="checkbox"/> 50.46(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(v)(B)	<input type="checkbox"/> 73.71(a)(5)
	<input type="checkbox"/> 20.2203(a)(2)(v)	<input type="checkbox"/> 50.73(a)(2)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(v)(C)	<input type="checkbox"/> OTHER
<input type="checkbox"/> 20.2203(a)(2)(vi)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)(B)	<input type="checkbox"/> 50.73(a)(2)(v)(D)	Specify in Abstract below or in NRC Form 366A	

**12. LICENSEE CONTACT FOR THIS LER**

FACILITY NAME David Lafleur, Senior Regulatory Compliance Engineer, Salem Generating	TELEPHONE NUMBER (Include Area Code) (856)339-1611
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**13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT**

CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX
-	-	-	-	-					

14. SUPPLEMENTAL REPORT EXPECTED	15. EXPECTED SUBMISSION DATE	MONTH	DAY	YEAR
<input checked="" type="checkbox"/> YES (If yes, complete 15. EXPECTED SUBMISSION DATE) <input type="checkbox"/> NO		07	09	2015

*ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)*

On August 5, 2014, control room operators identified one steam generator level channel indicator as drifting high and approaching its 3 percent level deviation limit. Subsequent troubleshooting performed on October 10, 2014 identified the level transmitter as inoperable due to exceeding its Technical Specification (TS) calibration acceptance criteria. A past functionality evaluation was completed on February 10, 2015. This evaluation determined that the transmitter would have likely exceeded its TS calibration acceptance criteria on August 19, 2013.

A causal evaluation is in progress to review this event. The results of this evaluation with respect to this event will be published in a supplement to this LER.

This report is made in accordance with 10 CFR 50.73 (a)(2)(i)(B), "Any operation or condition which was prohibited by the plant's Technical Specifications...."



**LICENSEE EVENT REPORT (LER)  
CONTINUATION SHEET**

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA, Privacy and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

1. FACILITY NAME	2. DOCKET	6. LER NUMBER			3. PAGE
Salem Generating Station – Unit 1	05000272	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 OF 3
		2015	- 001	- 000	

**NARRATIVE**

**PLANT AND SYSTEM IDENTIFICATION**

Westinghouse - Pressurized Water Reactor {PWR/4}  
Steam Generator Level Transmitter {JE/LIT}

Energy Industry Identification System (EIS) codes and component function identifier codes appear as {SS/CCC}.

**IDENTIFICATION OF OCCURRENCE**

Event Date: August 19, 2013

Discovery Date: February 12, 2015

**CONDITIONS PRIOR TO OCCURRENCE**

Salem Unit 1 was in operational Mode 1, operating at approximately 100 percent power. No additional structures, systems or components were inoperable at the time of discovery that contributed to this event.

**DESCRIPTION OF OCCURRENCE**

On April 11, 2013, a new level transmitter was installed for 11 Steam Generator, Channel 2, 1LT519 as part of a planned 10 year replacement program.

On August 5, 2014, control room operators identified 1LT519 indication as drifting high and approaching the 3 percent level deviation limit but not exceeding the TS level channel limit.

On October 10, 2014, at 1014, troubleshooting of 1LT519 identified the transmitter as high outside its acceptance criteria. The transmitter was calibrated and returned to service.

On February 10, 2015, a past functionality evaluation was completed for 1LT519. The evaluation, based on drift trending, concluded that 1LT519 likely would have exceeded its TS calibration acceptance criteria on August 19, 2013, approximately 130 days after its installation on April 11, 2013.

The subsequent surveillance test performed on February 26, 2014 met its TS acceptance criteria. 1LT519 was subsequently replaced on March 27, 2015.

Salem Unit 1 TS 3.3-1, Action 6 requires that startup or power operation may continue with an inoperable SG level channel provided it is placed in a tripped condition within 6 hours. 1LT519 would have exceeded its TS acceptance criteria on August 19, 2013 and was not placed in a tripped condition within 6 hours as required by TS.

**LICENSEE EVENT REPORT (LER)  
CONTINUATION SHEET**

1. FACILITY NAME	2. DOCKET	6. LER NUMBER			3. PAGE
Salem Generating Station – Unit 1	05000272	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	3 OF 3
		2015	- 001	- 000	

**NARRATIVE**

This event is reported in accordance with 10 CFR 50.73 (a)(2)(i)(B), "Any operation or condition which was prohibited by the plant's Technical Specifications...."

**CAUSE OF EVENT**

A causal evaluation is in progress to review this event. The results of this evaluation with respect to this event will be published in a supplement to this LER.

**SAFETY CONSEQUENCES AND IMPLICATIONS**

This event did not result in any offsite release of radioactivity or increase of offsite dose rates, and there were no personnel injuries or damage to any other safety-related equipment. A causal evaluation is in progress to review this event. The results of this evaluation with respect to this event will be published in a supplement to this LER.

**SAFETY SYSTEM FUNCTIONAL FAILURE**

A causal evaluation is in progress to review this event. The results of this evaluation with respect to this event will be published in a supplement to this LER.

**PREVIOUS OCCURRENCES**

A review of Salem Unit 1 and 2 Licensee Event Reports for the previous three years identified no other similar events.

**CORRECTIVE ACTIONS**

1LT519 was replaced and tested satisfactorily on March 18, 2015.

Additional corrective actions will be developed in the causal analysis and reported in the LER supplement.

**COMMITMENTS**

This LER contains no regulatory commitments.