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JUN 26 2012



U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop OP1-17
Washington, DC 20555

**SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 50-387/2012-004-00
LICENSE NO. NPF-14
PLA-6877**

Docket No 50-387

Attached is Licensee Event Report (LER) 50-387/2012-004-00. This event was determined to be reportable in accordance with 10 CFR 50.73(a)(2)(i)(B) for a condition prohibited by Technical Specifications.

On April 27, 2012, it was determined that PPL Susquehanna, LLC (PPL) failed to enter Unit 1 Technical Specification (TS) 3.6.4.2, "Secondary Containment Isolation Valves" Limiting Condition for Operation (LCO) when the primary containment nitrogen makeup line spectacle flange (1S2104) was rotated in the open position in Modes 1, 2 and 3. A review of the Unit 1 control room logs for the past three years identified that on two occasions in 2011 (January 28, 2011 and June 25, 2011) the Unit 1 spectacle flange was open for greater than the combined completion times for TS 3.6.4.2, Condition C.1 and D.1 (4 hours and 12 hours, respectively) of 16 hours. As a result, these events are reportable in accordance with 10 CFR 50.73(a)(2)(i)(B), as a condition prohibited by Technical Specifications.

There were no actual consequences to the health and safety of the public as a result of these events.

No commitments were identified in this submittal.

J. M. Helsel

Attachment: LER 50-387/2012-004-000

Copy: NRC Region I
Mr. P. W. Finney, NRC Sr. Resident Inspector
Mr. R. R. Janati, DEP/BRP
Ms. C. J. Sanders, NRC Project Manager

LICENSEE EVENT REPORT (LER)

(See reverse 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 Records and FOIA/Privacy Service Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@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

Susquehanna Steam Electric Station Unit 1

2. DOCKET NUMBER

05000387

3. PAGE

1 OF 3

4. TITLE

Unit 1 Secondary Containment TS 3.6.4.2 Combined LCO Time Exceeded on Two Occasions when the Primary Containment N2 Spectacle Flange was Rotated in the Open Position

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
01	28	2011	2012	- 004 -	00	06	26	2012	FACILITY NAME	DOCKET NUMBER
										05000

9. OPERATING MODE	11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR§: (Check all that apply)			
1	<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)
10. POWER LEVEL	<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

Brenda W. O'Rourke, Senior Engineer - Nuclear Regulatory Affairs

Telephone Number (Include Area Code)

(570) 542-1791

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 type="checkbox"/> YES (If yes, complete 15. EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO				

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

On April 27, 2012, it was determined that PPL Susquehanna, LLC (PPL) failed to enter Unit 1 Technical Specification (TS) 3.6.4.2, "Secondary Containment Isolation Valves" Limiting Condition for Operation (LCO) when the primary containment nitrogen makeup line spectacle flange (1S2104) was rotated in the open position in Modes 1, 2 and 3. This condition was identified as a result of questions raised regarding the need to enter TS LCO 3.6.4.2, in addition to TS LCO 3.6.1.3, "Containment Systems Primary Containment Isolation Valves," when the Unit 1 and Unit 2 spectacle flanges were rotated to the open position. A review of the Unit 1 and Unit 2 control room logs for the past three years identified that on two occasions in 2011 (January 28, 2011 and June 25, 2011), the Unit 1 spectacle flange was open for greater than the combined completion times for TS 3.6.4.2, Condition C.1 and D.1 (4 hours and 12 hours, respectively) of 16 hours. As a result, these events are reportable in accordance with 10 CFR 50.73(a)(2)(i)(B), as a condition prohibited by Technical Specifications.

The cause of the event was less than adequate guidance specified in Operations procedures and status control mechanisms for controlling Secondary Containment.

This event had no impact on the health and safety of the public. The Unit 1 and Unit 2 primary containment nitrogen makeup supply line spectacle flanges have been deleted from the Unit 1 and 2 TS Bases Table B3.6.4.2-2, "Secondary Containment Ventilation System Passive Isolation Valves or Devices."

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

1. FACILITY NAME	2. DOCKET	6. LER NUMBER			3. PAGE
Susquehanna Steam Electric Station Unit 1	05000387	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 OF 3
		2012	--004--	00	

NARRATIVE

CONDITION PRIOR TO THE EVENT

Unit 1 - Mode 1, 35 percent Rated Thermal Power (at the time the event occurred on January 28, 2011)

EVENT DESCRIPTION

On April 27, 2012, it was determined that PPL Susquehanna, LLC (PPL) failed to enter Unit 1 Technical Specification (TS) 3.6.4.2, "Secondary Containment Isolation Valves" Limiting Condition for Operation (LCO) when the primary containment nitrogen makeup line spectacle flange (1S2104) was rotated in the open position in Modes 1, 2 and 3. This condition was identified as a result of questions raised regarding the need to enter TS LCO 3.6.4.2, in addition to TS LCO 3.6.1.3, "Containment Systems Primary Containment Isolation Valves," when the Unit 1 and Unit 2 spectacle flanges were rotated to the open position.

A review of Unit 1 and Unit 2 control room logs for the past three years identified that on two occasions in 2011 (January 28, 2011 and June 25, 2011), only TS LCO 3.6.1.3 had been entered when the Unit 1 flange was rotated open. No entry into the LCO for TS 3.6.4.2 occurred. Because the amount of time in which the Unit 1 spectacle flange was rotated open could not be exactly determined, the time when the LCO for TS 3.6.1.3 was entered and exited for the spectacle flange was used to conservatively determine the durations. On two occasions, the Unit 1 spectacle flange was open for greater than the combined completion times for TS 3.6.4.2, Condition C.1 and D.1 (4 hours and 12 hours, respectively) of 16 hours. As a result, these events are reportable in accordance with 10 CFR 50.73(a)(2)(i)(B), as a condition prohibited by Technical Specifications.

CAUSE OF THE EVENT

Less than adequate guidance specified in Operations procedures and status control mechanisms for controlling Secondary Containment. The required station procedures, work instruction templates, the SSES Nuclear Information Management System component information "Requirements" field, and work orders for primary containment nitrogen makeup line spectacle flange work activities do not provide sufficient detail to address Secondary Containment status control and Technical Specification compliance.

ANALYSIS / SAFETY SIGNIFICANCE

The spectacle flanges (1S2104 and 2S2104) on the Unit 1 and Unit 2 primary containment nitrogen supply lines are not secondary containment isolation devices. SSES FSAR Table 6.2-15, FSAR Section 6.2 and calculation EC-059-1024, defines the design function of the spectacle flanges as Secondary Containment Bypass Leakage control. As with other piping systems that penetrate secondary containment, the piping forms the boundary protection from inleakage. Whether the blind side or the spectacle side of the flange is installed, the pipe provides protection from inleakage into the secondary containment boundary not the installed flange.

As such, this event had no impact on the health and safety of the public.

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

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		2012	--004--	00	

CORRECTIVE ACTIONS

Key Completed Actions

- The spectacle flanges (1S2104 and 2S2104) on the primary containment nitrogen makeup supply lines were deleted from the Unit 1 and 2 TS Bases Table B3.6.4.2-2, "Secondary Containment Ventilation System Passive Isolation Valves or Devices."

Key Planned Corrective Actions

- Review station procedures that could manipulate the components listed in TS Table B 3.6.4.2-1 and 3.6.4.2-2, to ensure that a precautionary or prerequisite note and procedural steps are added to contact Operations for entry or exiting TS 3.6.4.2. Procedural step shall reflect contacting Operations prior to manipulation of these components.
- Label penetrations and valves listed in TS Table 3.6.4.2-2 from TS 3.6.4.2 with the following note: "Operation of these components can cause entry in to LCO 3.6.4.2 condition, contact control room for further information."

PREVIOUS SIMILAR EVENTS

None