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JUN 14 2018

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

10 CFR 50.73

**SUSQUEHANNA STEAM ELECTRIC STATION  
LICENSEE EVENT REPORT 50-387/2018-004-00  
UNIT 1 LICENSE NO. NPF-14  
PLA-7716**

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**Docket No. 50-387**

Attached is Licensee Event Report (LER) 50-387/2018-004-00. This LER is reporting an event involving a locked main steam line snubber that was determined to be reportable in accordance with 10 CFR 50.73(a)(2)(i)(B) as a condition prohibited by Technical Specifications and 10 CFR 50.73(a)(2)(v)(C) as a condition that could have prohibited fulfillment of a safety function.

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

This letter contains no new regulatory commitments.

Should you have any questions regarding this submittal, please contact Mr. Jason Jennings, Manager – Nuclear Regulatory Affairs at (570) 542-3155.

B. Berryman

A handwritten signature in black ink, appearing to be "B. Berryman", written over a horizontal line.

Attachment: LER 50-387/2018-004-00

Copy: NRC Region I  
Ms. T. E. Hood, NRC Project Manager  
Ms. L. H. Micewski, NRC Sr. Resident Inspector  
Mr. M. Shields, PA DEP/BRP



**LICENSEE EVENT REPORT (LER)**

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

(See NUREG-1022, R.3 for instruction and guidance for completing this form  
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1022/r3/>)

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 Information Services Branch (T-2 F43), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollects.Resource@nrc.gov](mailto: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 Susquehanna Steam Electric Station Unit 1	2. Docket Number 05000387	3. Page 1 OF 2
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4. Title Condition Prohibited by Technical Specifications Resulting from Locked Snubber

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
04	20	2018	2018	- 004	- 00	06	14	2018	N/A	05000
									Facility Name	Docket Number
									N/A	05000

9. Operating Mode 5	11. This Report is Submitted Pursuant to the Requirements of 10 CFR §: (Check all that apply)											
	<input type="checkbox"/> 20.2201(b)			<input type="checkbox"/> 20.2203(a)(3)(i)			<input type="checkbox"/> 50.73(a)(2)(ii)(A)			<input type="checkbox"/> 50.73(a)(2)(viii)(A)		
	<input type="checkbox"/> 20.2201(d)			<input type="checkbox"/> 20.2203(a)(3)(ii)			<input type="checkbox"/> 50.73(a)(2)(ii)(B)			<input type="checkbox"/> 50.73(a)(2)(viii)(B)		
	<input type="checkbox"/> 20.2203(a)(1)			<input type="checkbox"/> 20.2203(a)(4)			<input type="checkbox"/> 50.73(a)(2)(iii)			<input type="checkbox"/> 50.73(a)(2)(ix)(A)		
10. Power Level 000	<input type="checkbox"/> 20.2203(a)(2)(i)			<input type="checkbox"/> 50.36(c)(1)(i)(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)(ii)			<input type="checkbox"/> 50.36(c)(1)(ii)(A)			<input type="checkbox"/> 50.73(a)(2)(v)(A)			<input type="checkbox"/> 73.71(a)(4)		
	<input type="checkbox"/> 20.2203(a)(2)(iii)			<input type="checkbox"/> 50.36(c)(2)			<input type="checkbox"/> 50.73(a)(2)(v)(B)			<input type="checkbox"/> 73.71(a)(5)		
	<input type="checkbox"/> 20.2203(a)(2)(iv)			<input type="checkbox"/> 50.46(a)(3)(ii)			<input checked="" type="checkbox"/> 50.73(a)(2)(v)(C)			<input type="checkbox"/> 73.77(a)(1)		
	<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)(D)			<input type="checkbox"/> 73.77(a)(2)(ii)		
	<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)(vii)			<input type="checkbox"/> 73.77(a)(2)(iii)		
			<input type="checkbox"/> 50.73(a)(2)(i)(C)			<input type="checkbox"/> Other (Specify in Abstract below or in NRC Form 366A						

12. Licensee Contact for this LER

Licensee Contact Katie Brown, Senior Engineer - Nuclear Regulatory Affairs	Telephone Number (Include Area Code) 570-542-3407
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13. Complete One Line for each Component Failure Described in this Report

Cause	System	Component	Manufacturer	Reportable To ICES	Cause	System	Component	Manufacturer	Reportable To ICES

14. Supplemental Report Expected <input checked="" type="checkbox"/> Yes (If yes, complete 15. Expected Submission Date) <input type="checkbox"/> No	15. Expected Submission Date		
	Month	Day	Year
	08	03	2018

Abstract (Limit to 1400 spaces, i.e., approximately 14 single-spaced typewritten lines)

On April 20, 2018 during the Unit 1 20<sup>th</sup> Refuel and Inspection Outage (RIO) scheduled maintenance, Snubber MST22-H38 on the 'D' Main Steam Line (MSL) was found in a locked position. Engineering evaluation of the as-found snubber condition indicates that operability of the 'D' inboard Main Steam Isolation Valve (MSIV) and 'K' Automatic Depressurization System (ADS) Valve and 'K' ADS valve discharge piping were impacted. Based on available information, the condition appears to have existed during the last operating cycle for a period longer than allowed by Technical Specifications. As a result, Technical Specification (TS) 3.6.1.3, Primary Containment Isolation Valves (PCIVs), and TS 3.5.1, Emergency Core Cooling Systems (ECCS)- Operating, were not met.

The condition is being reported in accordance with 10 CFR 50.73(a)(2)(i)(B) as a condition prohibited by Technical Specifications and 10 CFR 50.73(a)(2)(v)(C) as a condition that could have prohibited fulfillment of a safety function due to a concurrent condition associated with the outboard MSIV on the 'D' MSL. This concurrent condition was previously reported in LER 50-387/2018-003-00 on May 31, 2018.

The cause of this event is still under investigation. Once determined, this information and the associated corrective actions will be communicated through a supplement to this LER.

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



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

(See NUREG-1022, R.3 for instruction and guidance for completing this form  
<http://www.nrc.gov/reading-m/doc-collections/nuregs/staff/sr1022/r3/>)

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 Information Services Branch (T-2 F43), U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollects.Resource@nrc.gov](mailto: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 NUMBER	3. LER NUMBER		
Susquehanna Steam Electric Station Unit 1	05000-387	YEAR	SEQUENTIAL NUMBER	REV NO.
		2018	- 004	- 00

**NARRATIVE**

**CONDITIONS PRIOR TO EVENT**

Unit 1 – Mode 5, 0 percent Rated Thermal Power

**EVENT DESCRIPTION**

On April 20, 2018 during Unit 1 20<sup>th</sup> RIO scheduled maintenance, Snubber MST22-H38 on the 'D' Main Steam Line was found in a locked position. The snubber was removed and replaced with a rebuilt snubber.

Engineering evaluation of the as-found snubber condition indicates that operability of the 'D' inboard MSIV and 'K' ADS Valve and 'K' ADS valve discharge piping were impacted. Concurrent to this issue, the 'D' outboard MSIV was determined to be inoperable due to excessive leak through as reported in LER 50-387/2018-003-00 on May 31, 2018. Based on available information, the condition appears to have existed during the last operating cycle for a period longer than allowed by TS 3.6.1.3, Condition B due to two PCIVs being inoperable, and TS 3.5.1, Condition F due to one ADS valve being inoperable.

The condition is being reported in accordance with 10 CFR 50.73(a)(2)(i)(B) as a condition prohibited by Technical Specifications and 10 CFR 50.73(a)(2)(v)(C) as a condition that could have prohibited fulfillment of a safety function.

Additional details related to the event description will be provided under a supplement to this LER.

**CAUSE OF EVENT**

The cause of this condition is still under investigation. Additional information associated with the cause will be provided in a supplement to this LER.

**ANALYSIS/SAFETY SIGNIFICANCE**

Information concerning the safety significance of this condition will be provided in a supplement to this LER.

**CORRECTIVE ACTIONS**

The corrective actions will be determined following completion of the cause analysis and will be provided in a supplement to this LER.

**COMPONENT FAILURE INFORMATION**

The cause of this condition is still under investigation. Additional information associated with the cause will be provided in a supplement to this LER.

**PREVIOUS SIMILAR EVENTS**

None