

### LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Susquehanna Steam Electric Station - Unit Two						DOCKET NUMBER (2) 0 5 0 0 0 3 8 8			PAGE (3) 1 OF 0 2		
--	--	--	--	--	--	--------------------------------------	--	--	----------------------	--	--

TITLE (4) While Performing A Surveillance Multiple Emergency Core Cooling Systems Became Inoperable

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
0 8	0 9	8 6	8 6	0 1 2	0 0	0 9	0 8	8 6			0 5 0 0 0

OPERATING MODE (9) 3

POWER LEVEL (10) 0 1 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.403(a)	<input type="checkbox"/> CO.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.403(a)(1)(i)	<input type="checkbox"/> 20.403(a)(1)	<input type="checkbox"/> CO.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)
<input type="checkbox"/> 20.403(a)(1)(ii)	<input type="checkbox"/> 20.403(a)(2)	<input type="checkbox"/> CO.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 308A)
<input type="checkbox"/> 20.403(a)(1)(iii)	<input checked="" type="checkbox"/> 20.73(a)(2)(i)	<input type="checkbox"/> CO.73(a)(2)(vii)(A)	
<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 20.73(a)(2)(ii)	<input type="checkbox"/> CO.73(a)(2)(vii)(B)	
<input type="checkbox"/> 20.403(a)(1)(iv)	<input type="checkbox"/> 20.73(a)(2)(iii)	<input type="checkbox"/> CO.73(a)(2)(viii)	

LICENSEE CONTACT FOR THIS LER (12)

NAME Jeffrey A. Hirt, Engineer Level I	TELEPHONE NUMBER AREA CODE 7 1 7 5 4 2 - 3 9 1 7
---	--

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)  NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On August 9, 1986 at 1105 hours, while the reactor was shutdown (Condition 3), with pressure at approximately 500 psig, Unit Two entered Limiting Condition for Operation (LCO) 3.0.3. This was necessary to perform surveillance procedure SI-299-210 '18 Month Functional Test Of The Excess Flow Check Valves (PAM, ECCS, NSSSS, and RPS TRIPS)\*' required by Technical Specification (T/S) 4.6.3.4. In order to comply with T/S 4.6.3.4 and verify that the valves check flow, instruments associated with the excess flow check valves being tested had to be isolated. Some of the instruments are shared by the Core Spray (CS), Low Pressure Coolant Injection (LPCI), Reactor Core Isolation Cooling (RCIC), and High Pressure Coolant Injection (HPCI) systems. By isolating them CS, LPCI, RCIC, and HPCI become inoperable. Technical Specifications does not allow these systems to be inoperable at the same time while the reactor is in Condition 3. As such, LCO 3.0.3 had to be entered. Limiting Condition for Operation 3.0.3 was cleared by the Unit Supervisor at 1642 hours. Technicians completed SI-299-210 at 1705 hours and determined that all tested excess flow check valves were operable.

- \* PAM - Post Accident Monitor
- ECCS - Emergency Core Coolant System
- NSSSS - Nuclear Steam Supply Shutoff System
- RPS - Reactor Protection System

*Should we be pushing for a design mod?*

8609110227 860908  
PDR ADDCK 05000388  
S PDR

*3pp.*

*JEAS*

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Susquehanna Steam Electric Station Unit Two	DOCKET NUMBER (2) 0 5   0 0   0 3   8 8	LER NUMBER (6)			PAGE (3)	
		YEAR 8 6	SEQUENTIAL NUMBER - 0 1   2	REVISION NUMBER - 0 0	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 308A's) (17)

On August 9, 1986 at 1105 hours, while the reactor was shutdown (Condition 3), with pressure at approximately 500 psig, Unit Two entered Limiting Condition for Operation (LCO) 3.0.3. This was necessary to perform surveillance procedure SI-299-210 '18 Month Functional Test of Excess Flow Check Valves (PAM, ECCS, NSSSS and RPS Trips)\*' required by Technical Specification (T/S) 4.6.3.4. In order to comply with T/S 4.6.3.4 and verify that the excess flow check valves check flow, instruments associated with the excess flow check valves being tested had to be isolated. Some of the instruments are shared by the Core Spray (CS) (EIIS Code: BM), Low Pressure Coolant Injection (LPCI) (EIIS Code: BO), Reactor Core Isolation Cooling (RCIC) (EIIS Code: BN), and High Pressure Coolant Injection (HPCI) (EIIS Code: BJ) systems. By isolating them CS, LPCI, RCIC, and HPCI become inoperable. Technical Specifications does not allow these systems to be inoperable at the same time while the reactor is in Condition 3. As such, LCO 3.0.3 had to be entered. Limiting Condition for Operation 3.0.3 was cleared by the Unit Supervisor at 1642 hours. Technicians completed SI-299-210 at 1705 hours and determined that all tested excess flow check valves were operable.

- \* PAM - Post Accident Monitor (EIIS Code: IP)
- ECCS - Emergency Core Coolant System (EIIS Code: B)
- NSSSS - Nuclear Steam Supply Shutoff System (EIIS Code: SB)
- RPS - Reactor Protection System (EIIS Code: JC)



Pennsylvania Power & Light Company

Susquehanna Steam Electric Station  
P.O. Box 467 • Berwick, PA 18603 • 717 / 542-2181

September 8, 1986

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

SUSQUEHANNA STEAM ELECTRIC STATION  
LICENSEE EVENT REPORT 86-012-00  
FILE R41-2  
PLAS- 24045

---

Docket No. 50-388  
License NO. NPF-22

Attached is Licensee Event Report 86-012-00. This event was determined reportable per 10 CFR50.73 (a) (2) (i), in that Unit Two entered a condition prohibited by the plant's Technical Specifications in order to perform a surveillance on the excess flow check valves.

T.M. Crimmins, Jr.  
Superintendent of Plant-Susquehanna

JAH/cdn

cc: Dr. Thomas E. Murley  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Mr. Loren Plisco  
Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 52  
Shickshinny, PA 18655

1E22  
11