

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 2										DOCKET NUMBER (2) 0 5 0 0 0 3 8 8										PAGE (3) 1 OF 02	
TITLE (4) SGTS TRAIN INOPERABLE DURING CONTAINMENT PURGE.																					
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)						
01	30	85	85	007	00	03	05	85							0 5 0 0 0						
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																			
POWER LEVEL (10)		20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)							
0.000		20.405(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)							
		20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)							
		20.405(a)(1)(iii)				X 50.73(a)(2)(i)				50.73(a)(2)(viii)(A)											
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)											
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)											
LICENSEE CONTACT FOR THIS LER (12)																					
NAME A.P. PIEMONTESE										TELEPHONE NUMBER											
										AREA CODE 717 542-3246											
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																					
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs											
A	B	H																			
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)											
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO											

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

During a purge of the Unit 2 Containment (1/30/85), one train of the Standby Gas Treatment System (SGTS) became inoperable. Unit 2 Technical Specifications require both trains of SGTS to be operable prior to commencing a purge, and while the purge system is in use.

The purge was initiated using SGTS Train A by one shift at approximately 0640 on 1/30/85. Sometime during the next shift the SGTS B Heater failure alarm annunciated in the Control Room and caused the "B" Train of SGTS to be inoperable. The shift did not recognize that purging should have been suspended.

The ability of Operations personnel to analyze the situation was impacted due to a difference in Unit 1 and Unit 2 Technical Specifications and the fact that maintenance was in progress on a damper in the "B" Train.

The event will be reviewed with all licensed operators and alarm response for SGTS will be reviewed and revised as necessary to identify the Technical Specification requirements regarding purging. In addition, change to Unit 1 Technical Specifications was submitted to the NRC on 5/18/84, and is expected to be issued soon.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Susquehanna Steam Electric Station Unit 2	DOCKET NUMBER (2) 05000388	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		85	007	00	02	OF 02

TEXT (If more space is required, use additional NRC Form 366A's) (17)

At approximately 0640 on 1/30/85 a purge of the Unit 2 Containment was initiated using the "A" Train of the Standby Gas Treatment System (SGTS). The Unit 2 Technical Specifications require both trains of SGTS to be operable prior to commencing a purge and while the purge system is in use. The unit's system operating procedure properly reflects the Technical Specification requirement and both SGTS trains were operable when the purge was initiated.

During this time a work package was released to perform maintenance on the inlet damper to the "B" Filter Train on SGTS. This work necessitated that the damper be blocked open. This configuration was reviewed and determined acceptable for system operability.

During the next shift the SGTS "B" Heater failure alarm annunciated in the Control Room. Operations personnel on duty at the time were aware of the work package on the "B" Train Damper and initially attributed the alarm to the personnel protection blocking applied to perform the maintenance. The "B" Train of SGTS was then declared inoperable. At this point shift personnel did not recognize that purging the containment, which had been in progress for several hours, should have been suspended.

The purging operation was secured at approximately 308 on 1/30/85, and a subsequent review identified the Unit 2 Technical Specification requirements. The situation was reported via the internal plant reporting program.

During investigation of heater failure alarm, Operations reinserted the fuse (removed as part of the protective blocking), which was the suspected cause of the heater alarm, no change in alarm status was noted, and assistance was requested of Technical Section personnel.

A review of conditions that existed revealed that the heater failure was due to system configuration at the time. With the "A" Train in service to purge the containment and the inlet damper to "B" Train was blocked open for maintenance, sufficient flow was established to make-up the flow switch in the "B" logic. Since the heaters were not in service (heaters come on when fan is running), proper delta-temperature was not established and "B" SGTS was locked out.

The ability of Operations personnel to analyze the situation was impacted due to different requirements regarding SGTS operability in Unit 1 and Unit 2 Technical Specifications, and the fact that maintenance was in progress on the "B" Train of SGTS.

The event will be reviewed with all licensed operators, and alarm response procedures for SGTS will be reviewed and revised as necessary to ensure Technical Specification compliance regarding purging, and SGTS operability. Additionally, a change to Unit 1 Technical Specifications was submitted to the NRC on 5/18/84.

March 5, 1985

U.S. Nuclear Regulatory Commission  
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SUSQUEHANNA STEAM ELECTRIC STATION  
LICENSEE EVENT REPORT 85-007-00  
ER 100450 FILE 841-23  
PLAS- 050

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

Attached is Licensee Event Report 85-007-00. This event was determined reportable per 10CFR50-73(a)(2)(i), in that one train of the Standby Gas Treatment System became inoperable during a containment purge.

*H.W. Keiser for*

H.W. Keiser  
Superintendent of Plant-Susquehanna

APP/pjg

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