

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Susquehanna Steam Electric Station - Unit 1	0 5 0 0 0 3 8 7	1 OF 0 2

TITLE (4)
Reactor Pressure Exceeded 150 psig with HPCI 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 2	2 1	8 4	8 4	0 0 9	0 0	0 3	2 0	8 4			0 5 0 0 0

OPERATING MODE (9) 2	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																			
	20.402(b)					20.406(c)					60.73(a)(2)(iv)					73.71(b)				
	20.406(a)(1)(i)					60.36(c)(1)					60.73(a)(2)(v)					73.71(c)				
	20.406(a)(1)(ii)					60.36(c)(2)					60.73(a)(2)(vii)					OTHER (Specify in Abstract below and in Text, NRC Form 366A)				
	20.406(a)(1)(iii)					60.73(a)(2)(i)					60.73(a)(2)(viii)(A)									
	20.406(a)(1)(iv)					60.73(a)(2)(ii)					60.73(a)(2)(viii)(B)									
20.406(a)(1)(v)					60.73(a)(2)(iii)					60.73(a)(2)(ix)										

LICENSEE CONTACT FOR THIS LER (12)																			
NAME D.C. Wood										TELEPHONE NUMBER AREA CODE 7 1 7 5 4 2 - 3 2 4 0									

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																			
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS										
D	5	2	I	N	V	T	G	0	8	0									

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

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

After a 79 day tie-in outage Unit 1 was being restarted according to normal procedures. At a reactor pressure of 110 psig, warming of the High Pressure Coolant Injection (HPCI) system began as scheduled. The operators recognized a problem in that the HPCI Steam Supply Line Pressure Indicator was not responding to the warm up. While the operators were trouble shooting this problem the heat up was continued and reactor pressure exceeded 150 psig. Investigation later determined that the intent of the Technical Specifications is to have HPCI operable at 150 psig.

HPCI was made operable before reactor vessel pressure exceeded 320 psig which is well within the operating range of the low pressure safety systems. The procedures were clarified and the event will be reviewed with all licensed operations personnel.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

FACILITY NAME (1) Susquehanna Steam Electric Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 8 7 8 4 - 0 0 9 - 0 0 0 2 OF 0 2	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

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

On 02/21/84 at about 0730 with Unit 1 in the startup mode at less than 1% power the reactor pressure exceeded 150 psig with the High Pressure Coolant Injection (HPCI) system inoperable. Investigation later determined that exceeding 150 psig with HPCI inoperable did not meet the intent of the Technical Specification and startup procedures.

This startup followed a 79 day outage. The operators started warming the HPCI system according to the procedure at a reactor pressure of 110 psig. They quickly realized that the HPCI Steam Supply Line Pressure Indicator was not responding properly. Approximately 45 minutes after the problem was initially discovered the operators determined that a power supply, Topaz Inverter, for several HPCI instruments was de-energized. At about this time the plant heat up was halted. About one hour later HPCI was put back in service.

The system checkoff list and operating procedure have been revised to include the line up for the Topaz Inverter.

Investigation into this event found that T.S. 3.0.4 was incurred when the reactor pressure exceeded 150 psig. The startup procedure has been revised to clearly state that the required systems be operable at the correct point in the startup sequence. The event will be reviewed with all licensed Operation's personnel.

During the period that HPCI was inoperable the reactor pressure stayed below 320 psig which is well within the low pressure safety system operating range. ADS, Core Spray and LPCI systems were available throughout this event to mitigate possible accidents.



Pennsylvania Power & Light Company

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SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 84-009-00
ER 100450 FILE 841-23
PLA-2143

Attached is Licensee Event Report 84-009. This event was determined reportable per 10CFR50.73(A)(2)(I) in that reactor pressure exceeded 150 psig with HPCI inoperable.

H.W. Keiser
Superintendent of Plant-Susquehanna

DCW/pjg

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