

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Susquehanna Steam Electric Station - Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 3 8 7				PAGE (3) 1 OF 0 2		
TITLE (4) HPCI Turbine Stop Valve Oil Leak.																
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 6	2 4	8 5	8 5	0 2 6	0 0	0 7	2 4	8 5					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)														
1		20.402(b)				20.406(c)				50.73(a)(2)(iv)				73.71(b)		
POWER LEVEL (10)		20.406(a)(1)(i)				50.36(c)(1)				X 50.73(a)(2)(v)				73.71(c)		
1 1 0 1 0		20.406(a)(1)(iii)				50.36(c)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)		
		20.406(a)(1)(iii)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(A)						
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)						
		20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME T.N. Creasy										TELEPHONE NUMBER AREA CODE 7 1 7 5 4 2 - 3 9 1 4						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPD		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPD						
B	B, J	P, S, F	*	N												
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)

On June 24, 1985, during testing of the High Pressure Coolant Injection (HPCI) System, an oil leak was discovered on the HPCI Steam Stop Valve oil supply flange. Due to the severity of the leak the HPCI turbine was shutdown immediately and testing was secured. A limiting condition for operation was already in effect for the HPCI System due to the performance of the test. Investigation revealed the nuts securing the stop valve oil supply flange were very loose. The nuts were torqued, a leak test performed, and the HPCI system was declared operable at 0430 on 6/25/85.

* Not applicable

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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 5 - 0 2 6 - 8 5 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 June 24, 1985, testing of the High Pressure Coolant Injection (HPCI) System was being performed under test procedure TP-152-011 'HPCI Tuneup' to fine-tune the HPCI System control loops. After turbine startup and operation for approximately 5 minutes, an oil leak was reported coming from the HPCI Turbine Stop Valve FV-15612. The leak was severe enough that the turbine was shutdown immediately and testing was secured. Investigation revealed the leak was coming from the HPCI Turbine Stop Valve FV-15612 oil supply flange due to loose flange bolt nuts. Oil level in the oil reservoir dropped approximately one inch. Maintenance retorqued the flange bolts and added approximately 20 gallons of oil to the reservoir. A leak test was performed and the HPCI System was declared operable at 0430 on 6/25/85.

The HPCI System was run 2-3 hours approximately 1 week prior to this event and no leaks were observed. Maintenance records were reviewed to determine if any work was performed on the subject valve/flange and none could be found. The vendor was also contacted to determine if other plants have had flange leaks possibly due to vibration. The vendor indicated no leaks were reported due to vibration. No firm resolution could be arrived at as to what caused the loose flange. Torque paint will be applied to the flange bolts and will be periodically inspected to determine if vibration is causing flange bolts to loosen. If so, corrective actions will be taken at that time.



Pennsylvania Power & Light Company

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July 24, 1985

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

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 85-026-00
ER 100450 FILE 841-23
PLAS-105

Docket No. 50-387
License No. NPF-14

Attached is Licensee Event Report 85-026-00. This event was determined reportable per 10CFR50.73(a)(2)(v), in that an oil leak could have prevented the High Pressure Coolant Injection System from fulfilling its safety function.

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

TNC/pjg

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