

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
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TITLE (4)
SGTS & CREOASS START DUE TO BLOWN FUSE

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 3	2 8	8 6	8 6	0 1 2		0 0	0 4	2 4 8 6			0 5 0 0 0
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)											

OPERATING MODE (9) 5	POWER LEVEL (10) 0 1 0 1 0	20.402(b)	20.405(a)	80.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	80.38(a)(1)	80.73(a)(2)(v)	73.71(a)
		20.405(a)(1)(ii)	80.38(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	80.73(a)(2)(i)	80.73(a)(2)(vii)(A)	
		20.405(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(vii)(B)	
		20.405(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(ix)	
		20.405(a)(1)(vi)	80.73(a)(2)(iv)		

LICENSEE CONTACT FOR THIS LER (12)

NAME L. A. Kuczynski - Nuclear Plant Specialist - Level III	TELEPHONE NUMBER 7 0 1 7 5 4 1 2 1 - 1 3 1 7 1 5 1 9
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
A	JIC	IFIU	*	N					

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 March 28, 1986, the 'B' trains of the Standby Gas Treatment System (SGTS) and the Control Room Emergency Outside Air Supply System (CREOASS) started when they received an invalid Division II LOCA signal. The signal was accidentally generated when an electrician caused a short which blew a fuse in the power supply to the Division II LOCA isolation relays. Core re-load activities were halted until proper system response was verified. On-the-job training was held with electrical crews to discuss this event. Work practices and precautionary measures which could be employed to avoid such occurrences were emphasized.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1	DOCKET NUMBER (2) 0 5 0 0 0 3 8 7 8 6						LER NUMBER (6)			PAGE (3)		
	YEAR			SEQUENTIAL NUMBER			REVISION NUMBER					
	- 0 1 2			- 0 0			0 2			OF 0 2		

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

On March 28, 1986, at 1319, the 'B' trains of the Standby Gas Treatment System (SGTS; EIIS: BH) and the Control Room Emergency Outside Air Supply System (CREOASS; EIIS: BH) actuated when they received an invalid Division II LOCA signal. (The SGTS and CREOASS are Engineered Safety Features.) The signal was accidentally generated during functional re-testing of the nitrogen make-up system following a system modification. An electrician (non-licensed, utility) was re-landing two wires on a relay in the Primary Containment Isolation System (PCIS; EIIS: JM) when his screwdriver's shaft contacted an adjacent relay terminal. This caused a short circuit to ground which blew a fuse in the circuit from a 120 VAC Reactor Protection System (RPS; EIIS: JC) breaker to the Division II LOCA isolation relays.

The core re-load activities in progress at the time of this occurrence were halted until proper system response was verified. Fuel movement was resumed at approximately 1340 and was interrupted again at 1430 (for about 15 minutes) while the fuse was replaced and systems were restored to normal.

Prior to the start of the functional re-testing, the workmen attended a tailboard session at which precautions and standard Station work practices were discussed. The wedge-type screw holding screwdriver used by the electrician had been taped as much as possible while still permitting it to perform its function. In an effort to limit the probability of additional occurrences, on-the-job training sessions were held with electrical crews to discuss this event. Work practices and precautionary measures which could be employed to avoid such occurrences in the future were emphasized.



Pennsylvania Power & Light Company

Susquehanna Steam Electric Station
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SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 86-012-00
FILE R41-2
PLAS - 166

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

Attached is Licensee Event Report 86-012-00. This event was determined reportable per 10 CFR 50.73(a)(2)(iv), in that two Engineered Safety Features actuated due to an invalid Division II LOCA signal.

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

LAK/rmm

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