

## 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 1				
TITLE (4) RWCU Isolation (ESF Actuation).																								
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	1	6	8	5	8	5	0	0	7	0	0	0	3	1	9	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)																						
5		20.402(b)				20.406(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)										
POWER LEVEL (10)		20.406(a)(1)(i)				50.38(e)(1)				50.73(a)(2)(v)				73.71(e)										
0		0				20.406(a)(1)(ii)				50.38(e)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 368A)						
		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)(iii)				50.73(a)(2)(viii)(B)														
		20.406(a)(1)(v)				50.73(a)(2)(iv)				50.73(a)(2)(ix)														
LICENSEE CONTACT FOR THIS LER (12)																								
NAME L.A. Kuczynski - Nuclear Plant Specialist, Level III										TELEPHONE NUMBER 7 1 7 5 4 2 - 3 7 5 9														
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																								
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS
A	C	E	*	N																				
SUPPLEMENTAL REPORT EXPECTED (14)																								
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR

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

On February 16, 1985, with the Unit shut down for its first refueling outage, the breaker supplying an instrument bus was opened by a person or persons unknown. An operator was dispatched to the area and could not determine who and how the breaker was opened. The breaker's position was open, not tripped. The breaker was then closed by the operator. One of the effects of the breaker being opened was that the Reactor Water Cleanup system isolated on a false non-regenerative heat exchanger high outlet temperature signal caused by the loss of power to the temperature sensor's trip circuitry. During restoration of the Reactor Water Cleanup (RWCU) system, the RWCU pump suction containment inboard and outboard isolation valves closed on a high differential flow signal. The affected valves are considered part of the Primary Containment Isolation System, an Engineered Safety Feature.

One week later, another RWCU isolation occurred on the high differential flow signal when one of the two filter demineralizers was removed from its precoat cycle to start a backwash cycle. The appropriate system operating procedure was being followed during each occurrence.

To prevent recurrence of these events, nuclear licensed operators will receive additional training in Reactor Water Cleanup system operation. Additionally, comments to the system's operating procedures will be solicited during the training and incorporated as necessary.

\* Not Applicable.

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**Pennsylvania Power & Light Company**

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SUSQUEHANNA STEAM ELECTRIC STATION  
LICENSEE EVENT REPORT 85-007-00  
ER 100450 FILE 841-23  
PLAS-057

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

Attached is Licensee Event Report 85-007-00. This event was determined reportable per 10CFR50.73(a)(2)(iv), in that the Unit experienced unanticipated actuations of an Engineered Safety Feature when the Reactor Water Cleanup System inboard and outboard containment isolation valves closed.

H.W. Keiser  
Superintendent of Plant-Susquehanna

LAK/pjg

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