NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

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 1

TITLE (4)
SGTS and CREOASS Starts (RPV Shine).

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	1 3	8 5	8 5	0 1 0	0 0	0 4	1 2	8 5		0 5 0 0 0
										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)	20.405(c)	X 50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10)	0 0 0	20.405(a)(1)(i)	50.38(c)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.38(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
L.A. Kuczynski - Nuclear Plant Specialist, Level III	AREA CODE 7 1 7 5 4 2 - 3 7 5 1 9

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	
*	I I L	*	*	N							

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

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

On March 13, 1985, with the Unit shutdown for its first refueling outage and all fuel removed from the reactor vessel, the reactor cavity was being drained to facilitate in-vessel outage work. The refuel floor high exhaust radiation monitor channel 'A' tripped during the cavity draining process. The Standby Gas Treatment System (SGTS) and Control Room Emergency Outside Air Supply System (CREOASS) started correctly on the monitor trip. (The SGTS and CREOASS are Engineered Safety Features). Because no airborne radiation was detected by Health Physics personnel on the refuel floor, the cause of this occurrence is considered to be shine associated with lowering the reactor cavity water level. The source of the shine is suspected to be the reactor vessel itself causing an increase in background radiation levels at the detector sufficient to actuate its trip signal and subsequent automatic actions.

Operations shall add a caution to the appropriate procedures to alert personnel draining the reactor cavity to the possibility of increases in background and airborne radiation levels.

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PP&L Pennsylvania Power & Light Company
Two North Ninth Street • Allentown, PA 18101 • 215/770-5151

April 12, 1985

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

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 85-010-00
ER 100450 FILE 841-23
PLAS-064

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

Attached is Licensee Event Report 85-010-00. This event was determined reportable per 10CFR50.73(a)(2)(iv), in that the Unit experienced the start of two Engineered Safety Features (Standby Gas Treatment System and Control Room Emergency Outside Air Supply System).

H.W. Keiser
Superintendent of Plant-Susquehanna

LAK/pjg

cc: Dr. Thomas E. Murley
Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
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