

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) Transfer of Bus 10 Loads to Bus 20 due to 230 KV Transmission System Fault.																								
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)											
1	2	1	6	8	5	8	5	0	3	5	0	0	0	1	1	0	8	6	SSES - Unit 2				0 5 0 0 0 3 8 8	
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																					
POWER LEVEL (10)			20.402(b)				20.406(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)									
1 1 0 1 0			20.406(a)(1)(i)				50.36(a)(1)				<input type="checkbox"/> 50.73(a)(2)(v)				73.71(c)									
			20.406(a)(1)(ii)				50.36(a)(2)				<input type="checkbox"/> 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)(i)				<input type="checkbox"/> 50.73(a)(2)(viii)(A)													
			20.406(a)(1)(iv)				50.73(a)(2)(ii)				<input type="checkbox"/> 50.73(a)(2)(viii)(B)													
			20.406(a)(1)(v)				50.73(a)(2)(iii)				<input type="checkbox"/> 50.73(a)(2)(ix)													
LICENSEE CONTACT FOR THIS LER (12)																								
NAME T.N. Creasy										TELEPHONE NUMBER AREA CODE 7 1 1 7 5 1 4 1 2 - 1 3 1 2 1 2														
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																								
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC														
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 December 16, 1985 at 1040 a fault on the 230 KV offsite transmission system caused the Startup Transformer T-10 to Bus 10 breaker to open on undervoltage. Bus 10 loads transferred to Bus 20 as designed. The momentary power loss to the Unit 1 and Unit 2 A and C Emergency Safeguards System buses caused a division I isolation of the Zone III Heating, Ventilation, and Air Conditioning System and an automatic start of the Standby Gas Treatment System and Control Room Emergency Outside Air Supply System. The power loss also caused a simultaneous lockup and runback signal for the 'A' reactor recirculation pump on each unit. The speed of the 'A' reactor recirc pump on each unit decreased slightly before locking up. Control of reactor vessel level was maintained due to recent modifications made to the feedwater control circuitry and reported under Licensee Event Report 85-034-00. Various radiation monitors, chillers, and other plant equipment also tripped or isolated due to the power interruption. The units were stabilized and the affected systems were restored as applicable.

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PDR ADOCK 05000387
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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

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

On December 16, 1985 at 1040 a fault on the 230 KV offsite transmission system caused the Startup Transformer T-10 to Bus 10 breaker to open on undervoltage. Bus 10 loads transferred to Bus 20 as designed. The momentary power loss to the Unit 1 and Unit 2 A and C Emergency Safeguards System buses caused a division I isolation of the Zone III Heating, Ventilation, and Air Conditioning System (EIIS Code: VA) and an automatic start of the Standby Gas Treatment System (EIIS Code: BH) and Control Room Emergency Outside Air Supply System (EIIS Code: BH). The power loss also caused a simultaneous lockup and runback signal for the 'A' reactor recirculation pump on each unit. The speed of the 'A' reactor recirc pump on each unit decreased slightly before locking up. Control of reactor vessel level was maintained due to recent modifications made to the feedwater control circuitry and reported under Licensee Event Report 85-034-00. Various radiation monitors, chillers, and other plant equipment also tripped or isolated due to the power interruption. The units were stabilized and the affected systems were restored as applicable.



Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

January 10, 1986

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

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 85-035-00
ER 100450 FILE 841-23
PLAS- 141

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

Attached is Licensee Event Report 85-035-00. This event was determined reportable per 10CFR50.73(a)(2)(iv), in that an unplanned Engineered Safety Feature (ESF) actuation occurred.

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

TNC/pjg

cc: Dr. Thomas E. Murley
Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Mr. R.H. Jacobs
Senior Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 52
Shickshinny, PA 18655

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