

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	P	A	S	E	S	1	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5			
7	8	9	LICENSE CODE						14	15	LICENSE NUMBER										25	LICENSE TYPE					30	CAT 58				

CON'T

0	1	REPORT SOURCE	L	6	0	5	0	0	0	3	8	7	7	1	1	1	0	8	3	8	0	3	3	0	8	4	9
7	8		60	61	DOCKET NUMBER								68	EVENT DATE					74	REPORT DATE					80		

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | At 1105 and 1205 hrs. on 11-10-83, 0% power, Operating Condition 2, the acoustic  
0 3 | channel monitoring Safety Relief Valves (SRV) PSV-1F013B tripped and was reset  
0 4 | during three separate occurrences resulting in T.S. 3.3.7.5, Action 80(b). The  
0 5 | third trip resulted from circuit in operation and would not reset until the cir-  
0 6 | cuit gains were readjusted. On 12-4-83 the channel failed; Unit 1 was shutdown for  
0 7 | the tie-in outage with Unit 2. Primary system integrity was maintained and no re-  
0 8 | lease of radiation occurred. The health and safety of the public was not affected.

SYSTEM CODE		CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE				COMP. SUBCODE	VALVE SUBCODE				
0	9	C	I	X	Z	I	N	S	T	R	U	Q	Z
7	8	9	10	11	12	13	14	15	16	17	18	19	20
(17) LER/RD REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.			
8		3		15		6		3		X		1	
21		22		23		24		25		26		27	
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.	
C	Z	Z	Z	Z	0	0	0	0	0	Y	N	A	X
18	19	20	21	22	23	24	25	26	27	28	29	30	31
33	34	35	36	37	38	39	40	41	42	43	44	45	46

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 All trips were due to spurious responses from the monitor. The first and second

1 1 trips were reset by de-energizing the channel. After removal and reinsertion of

1 2 the circuit card for inspection, the channel tripped and would not reset. The in-

1 3 put terminals were cleaned; the gains cycled; the cable and charge converter were

i 4 replaced by 1-27-84; the channel cleared and proper operation was verified.

1 5 | G | 28 | 0 | 0 | 0 | 29 | NA | 30 | A | 31 | Operator observation | 32

ACTIVITY		CONTENT		RELEASED OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE	
1	6	Z	33	Z	34	NA		NA	

PERSONNEL EXPOSURES			
NUMBER	TYPE	DESCRIPTION	(39)
1 7	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES		NUMBER		DESCRIPTION		(41)	
1	8	0	0	0	(40)	NA	

11 12 80

LOSS OF OR DAMAGE TO FACILITY  
TYPE DESCRIPTION (43)

1 9 Z (42) NA

8404240235 840330  
PDR ADOCK 05000387  
S

PUBLICITY  
 ISSUED DESCRIPTION (45)

2 0 | N | (44) | NA

FDR

NRC USE ONLY

NAME OF PREPARER B.L. Wilks

PHONE (717) 542-3239

NRC USE ONLY

ATTACHMENT

LER # 83-156/03X-1

Pennsylvania Power & Light Company  
Susquehanna Steam Electric Station  
Docket Number: 50-387

At 1105 and 1205 hours on 11-10-83 with Unit 1 at 0% power in operating condition 2, the acoustical channel that was monitoring Safety Relief Valve (SRV) PSV-1F013B tripped twice and was reset by de-energizing the channel. Each time checks were made to ensure SRV tailpipe temperatures, reactor vessel level and pressure did not change, indicating the valve had not lifted. The channel tripped a third time when its circuit card was re-inserted following removal for inspection. The channel was retested and returned to service after the input terminals were cleaned and the channel gains cycled.

1

At 215 hours on 12-4-83 with Unit 1 shutdown for the tie-in outage with Unit 2, the acoustic channel monitoring SRV PSV-1F013B tripped and would not reset. Investigations found the charge converter for the channel was faulty and that the sensor cable was damaged. The coaxial cable's insulation was found separated and its internals exposed for approximately two inches near the cable's connection to the conduit. The cable's shield was frayed and portions of its inner conductor was exposed. No reason for this damage could be determined. Failure of the charge converter may be related to the cable damage since it is possible for the converter to fail should the cable's conductor become exposed. Both the detector's converter and cable were replaced; the channel was retested and returned to service on 2-8-84.

For both occurrences, primary system integrity was maintained and no release or radiation occurred. The health and safety of the public was not affected.



Pennsylvania Power & Light Company

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

March 30, 1984

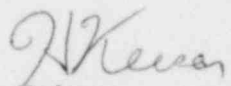
Dr. Thomas E. Murley  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King-of-Prussia, PA 19406

SUSQUEHANNA STEAM ELECTRIC STATION  
LICENSEE EVENT REPORT 83-156/03X-1  
ER 100450 FILE 841-23  
PLA: 2159

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

Dear Dr. Murley:

1 | Attached is an updated Licensee Event Report 83-156/03X-1. This event is reportable per Technical Specification 6.9.1.9(b), in that, Acoustical Monitor VISH-14180'1 (for Safety Relief Valve PSV-1F013B) failed on December 4, 1983. The sensor cable and charge converter were replaced before the channel was returned to service.

  
H.W. Keiser  
Superintendent of Plant-Susquehanna

BLW/cg

Attachment

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

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

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