

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8704160247 DOC. DATE: 87/04/13 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylva 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylva 05000388
 AUTH. NAME AUTHOR AFFILIATION
 WALLEN, C. Pennsylvania Power & Light Co.
 BYRAM, R. G. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-009-00: on 870304, upper relay room open penetrations found between ceiling slab & adjacent wall. Caused by opening not identified in approved penetration drawings Penetrations in question sealed. W/870413 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 3
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: 1cy NMSS/FCAF/PM. LPDR 2cys Transcripts. 05000387
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	AEOD/DSP/TPAB	1 1	NRR/ADT	1 1
	NRR/DEST/ADE	1 0	NRR/DEST/ADS	1 0
	NRR/DEST/CEB	1 1	NRR/DEST/ELB	1 1
	NRR/DEST/ICSB	1 1	NRR/DEST/MEB	1 1
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	NRR/DEST/RSB	1 1	NRR/DEST/SGB	1 1
	NRR/DLPQ/HFB	1 1	NRR/DLPQ/QAB	1 1
	NRR/DOEA/EAB	1 1	NRR/DREP/EPB	1 1
	NRR/DREP/RAB	1 1	NRR/DREP/RPB	2 2
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NOTES: 3 3

TOTAL NUMBER OF COPIES REQUIRED: LTTR 48 ENCL 46

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Susquehanna Steam Electric Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 0 3 8 7	PAGE (3) 1 OF 0 2
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TITLE (4)
Upper Relay Room Open Penetrations

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	0 4	8 7	8 7	0 0 9	0 0 0 4	1 3	8 7		SSSES-Unit 2		0 5 0 0 0 0 3 8 8
											0 5 0 0 0 0 1 1

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

OPERATING MODE (9) 1	20.402(b)	20.408(a)	80.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 1 0 0	20.408(a)(1)(i)	80.38(a)(1)	80.73(a)(2)(v)	73.71(e)
	20.408(a)(1)(ii)	80.38(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
	20.408(a)(1)(iii)	X 80.73(a)(2)(i)	80.73(a)(2)(vii)(A)	
	20.408(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(vii)(B)	
	20.408(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(viii)	

LICENSEE CONTACT FOR THIS LER (12)

NAME C. Wallen - Compliance Evaluator	TELEPHONE NUMBER AREA CODE 7 1 1 7 5 1 4 2 1 - 1 3 9 1 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

SUPPLEMENTAL REPORT EXPECTED (14)

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

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

ABSTRACT

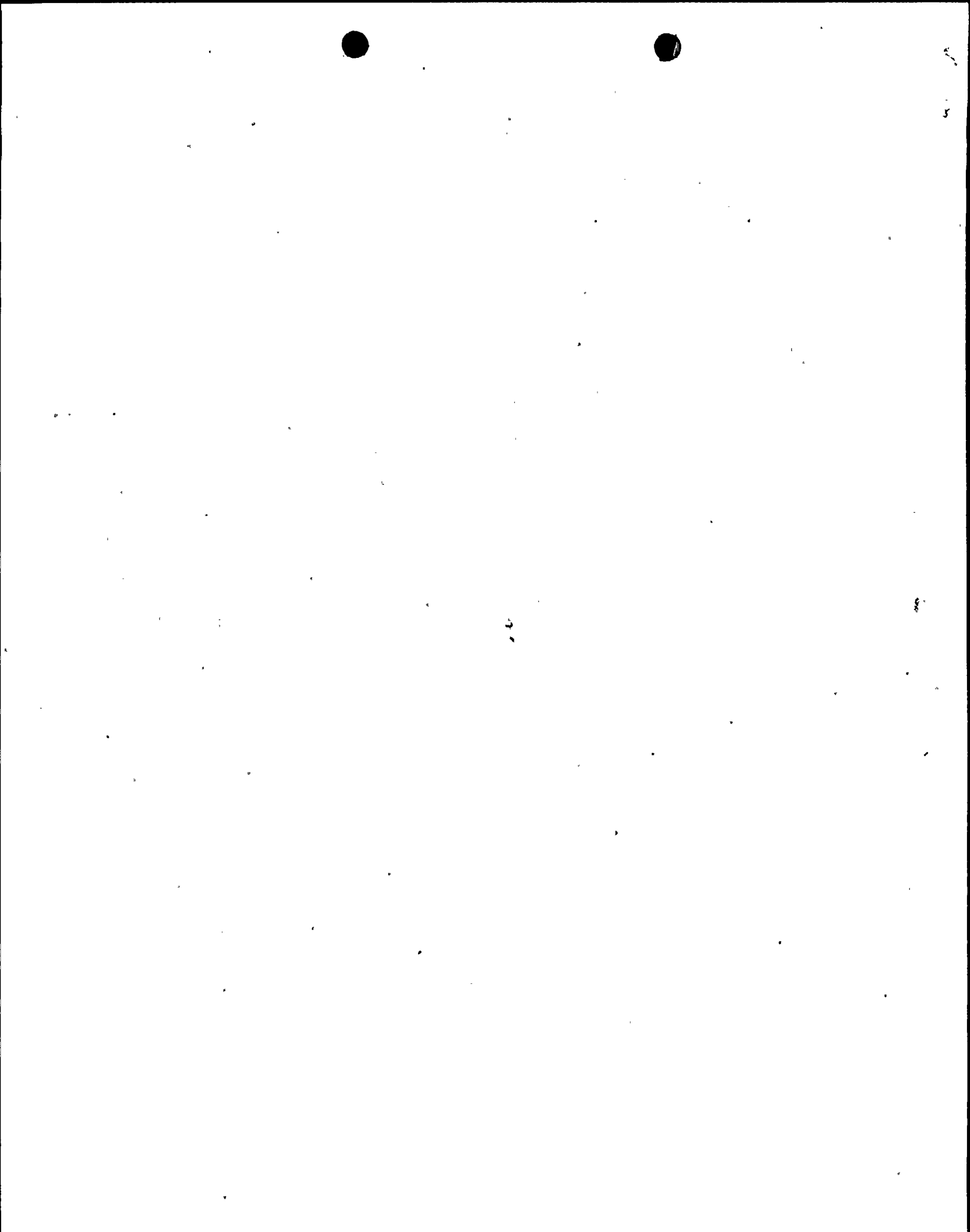
It was reported on March 13, 1987 with Units 1 and 2 operating at 100% power, that an open penetration existed in the Unit 1 Upper Relay Room. A subsequent investigation discovered a similar design deficiency in Unit 2. The open penetrations were found between the ceiling slab and the adjacent wall. An existing limiting condition of operation (LCO) was in effect for these areas per Tech Spec 3.7.7. Further review revealed that these openings are not identified on the approved penetration drawings.

The nature of the deficiency, size, location, configuration and mirror image of both Upper Relay Rooms indicate a unique construction-era deficiency.

NCR's 87-0079 and 87-0078 have been written against Units 1 and 2 respectively. The penetrations in question will be sealed pending resolution of these NCR's.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Susquehanna Steam Electric Station Unit 1 and 2	DOCKET NUMBER (2) 0 5 0 0 0 3 8 7	LER NUMBER (8)			PAGE (3)	
		YEAR 87	SEQUENTIAL NUMBER - 0 0 9	REVISION NUMBER - 0 0	0 2	OF 0 2

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

DESCRIPTION OF EVENT

On March 13, 1987 with Units 1 and 2 operating at 100% power, it was reported an open penetration in the Unit 1 Upper Relay Room existed. A subsequent check discovered a similar design deficiency in the Unit 2 Upper Relay Room.

The ceiling slab of the Upper Relay Rooms is a 3 hour fire barrier separating in Unit 1 fire zones 027E and 027C, and in Unit 2 fire zones 027A and 027B, Upper Relay Rooms and cable spreading rooms respectively.

CAUSE OF EVENT:

The nature of the deficiency, size, location, configuration and mirror image of bother Upper Relay Rooms indicate a unique construction-era deficiency.

REPORTABILITY/ANAYLSIS:

This event was determined reportable per 10CFR 50.73 (A) (2) (i) (b) in that the Units were operating in a condition prohibited by Technical Specifications. A fire watch could not be verified to have been in effect continously since receipt of Unit 1 and Unit 2 operating license. This condition would not adversely affect the operation of the CO2 system within the room or the Deluge System above the room, since they both overlap the penetrations in question. Several Deluge nozzles are directly over the penetration and the CO2 nozzles aim downward within the room forcing CO2 to fill the room before it can escape through the penetration in the ceiling. Additional Halon protection is contained inside the electrical panels thereby reducing the consequences of a fire.

CORRECTIVE ACTION:

An existing LCO had been entered, a fire watch established and NCR's 87-0079 and 87-0078 have been written for Units 1 and 2 respectively. The penetrations in question will be sealed pending resolution of these NCR's. A review of fire protection zones and boundaries is being performed against 10CFR50 Appendix R requirements. Any necessary upgrades and enhancements will be made pending these results.



Pennsylvania Power & Light Company

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

April 13, 1987

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

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 87-009-00
FILE - R41-2
PLAS - 243

Docket No. 50-387/50-388
License No. NPF-14/NPF-22

Attached is Licensee Event Report 87-009-00. This event was determined reportable per 10 CFR 50.73 (a) (2) (i) (b), in that a Technical Specification Action Statement was not met.

R. G. Byram
Superintendent of Plant - Susquehanna

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

Mr. Loren Plisco
Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 52
Shickshinny, PA 18655

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