

# PRIORITY

(ACCELERATED RIDS PROCESSING)

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ACCESSION NBR: 9503160058      DOC. DATE: 95/03/09      NOTARIZED: NO      DOCKET #  
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv      05000387  
 AUTH. NAME      AUTHOR AFFILIATION  
 LLOYD, G.      Pennsylvania Power & Light Co.  
 STANLEY, H. G.      Pennsylvania Power & Light Co.  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: LER 95-001-00: on 950207, fire penetration was not sealed &  
 fire watch was not performed due to engineering organization  
 failure to recognize wall was fire rated. Required fire  
 protection forms submitted & watch established. W/950309 ltr.

DISTRIBUTION CODE: IE22T      COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4  
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: 05000387

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	RGN1 FILE 01	1		1				
EXTERNAL:	L ST LOBBY WARD	1		1	LITCO BRYCE, J H	2		2
	NOAC MURPHY, G. A	1		1	NOAC POORE, W.	1		1
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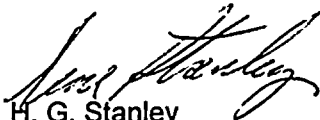
March 9, 1995

U.S. Nuclear Regulatory Commission  
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SUSQUEHANNA STEAM ELECTRIC STATION  
LICENSEE EVENT REPORT 95-001-00  
PLAS- 623                      FILE R41-2

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

Attached is Licensee Event Report 95-001-00. This report is being made pursuant to 10CFR50.73(a)(2)(i)(B), as a condition prohibited by Technical Specifications in that fire watches were not established for two fire rated electrical penetrations which were not properly sealed.

  
H. G. Stanley  
VP - Nuclear Operations

HL/mjm

cc: Mr. T. T. Martin  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
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PDR ADCK 05000387  
S PDR

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LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U7.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Susquehanna Steam Electric Station - Unit 1						DOCKET NUMBER(2) 0 5 0 0 0 3 8 7 1			PAGE (3) OF 0 3		
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TITLE (4)  
Fire Barrier Penetration Not Sealed; Fire Watch Not Performed

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	0	7	9	5	9	5	—	0	0	1	0	0	0	3	8	7	1	S.S.E.S. - Unit 2			0	5	0	0	0	3	8	8	
0	2	0	7	9	5	9	5	—	0	0	1	0	0	0	3	0	9	9	5				0	5	0	0	0			

OPERATING MODE (9) 1		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 1 : (Check one or more of the following) (11)									
POWER LEVEL (10) 1 0 0	20.402(b)		20.405(c)		50.73(a)(2)(v)		73.71(b)				
	20.405(a)(1)(i)		50.36(c)(1)		50.73(a)(2)(v)		73.71(c)				
	20.405(a)(1)(ii)		50.36(c)(2)		50.73(a)(2)(v)		OTHER (Specify in Abstract below and in Text, NRC Form 365A)				
	20.405(a)(1)(iii)		X 50.73(a)(2)(i)		50.73(a)(2)(v)(A)						
	20.405(a)(1)(iv)		50.73(a)(2)(i)		50.73(1)(2)(v)(B)						
20.405(a)(1)(v)		50.73(a)(2)(i)		50.73(a)(2)(v)							

LICENSEE CONTACT FOR THIS LER (12)									
NAME Harrison Lloyd, Jr. - Power Production Engineer						TELEPHONE NUMBER 7 1 7 5 4 2 - 3 9 1 7			

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	

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 February 7, 1995, with Unit 1 at 100% power, a conduit which penetrates a fire rated wall was found to be unsealed during a surveillance inspection. The Technical Specification action statement was entered and the required hourly fire watch was established. The cause of this condition was that the engineering organization responsible for implementing the modification which installed the conduit failed to recognize that the wall was fire rated. In addition, this condition was not documented during previous performance of the surveillance. This event was determined to be reportable per 10CFR50.73(a)(2)(i)(B) as a condition prohibited by Technical Specifications. There were minimal safety compromises as a result of this event. Upon discovery, the required action of establishing a fire watch was taken. The conduit will be sealed per the approved detail. The field inspection instruction will be revised to caution personnel concerning use of fire barrier drawings during cable routing. In addition, we are continuing our efforts to improve these surveillance activities with respect to content of the surveillance package and documentation of inspection activities. This event will be reviewed with those personnel involved with respect to the requirements related to breaching fire barriers.

LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)  Unit 1 Susquehanna Steam Electric Station	DOCKET NUMBER (2)  0   5   0   0   0   3   8   7	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9   5	-   0   0   1	-   0   0	0   2	OF	0   3

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

DESCRIPTION OF EVENT

On February 7, 1995 with Unit 1 in Condition 1 (Run) at 100% power, a surveillance inspection of fire barrier penetration was in progress. An electrical conduit which penetrates the computer room wall in two places was found to be not sealed as required. The conduit was installed via a modification in 1991. A Nonconformance Report was generated to document the condition and to identify the required corrective action. The applicable Technical Specification action statement was entered and the required hourly fire watch was established.

CAUSE OF EVENT

The root cause of this condition was that the engineering organization responsible for implementing the modification which installed the conduit in 1991 failed to recognize that the subject wall was fire rated, and thus treated it as an architectural wall only. The modification involved was performed by a design team which existed specifically for this modification only. Since this time, the design group has formed a Cable, Raceway and Tubing group which now performs work of this type.

In addition, surveillances have been performed since the conduit was installed but the condition was not identified. Improvements have been made in the performances of these surveillances since 1991 and the discovery of this condition during the current surveillance inspection verifies this improvement.

REPORTABILITY / ANALYSIS

This event was determined to be reportable per 10CFR50.73(a)(2)(i)(B) as a condition prohibited by Technical Specification in that the Limiting Condition for Operation action statement was not entered for an inoperable fire barrier penetration and the required fire watch was not performed for a period of eleven months. The conduit was installed in August 1991 and fire watches were established in this area in July, 1992 due to inoperable thermo-lag. These unsealed penetrations only slightly impair this barrier and therefore, in the unlikely event of a fire, the effects would have been minimal. Therefore, there were minimal safety compromises as a result of this event.

In accordance with guidance provided in NUREG 1222, Supplement 1, item 14.1, the required submission date for this report was determined to be March 9, 1995.

CORRECTIVE ACTIONS

Upon discovery of this condition, the required fire protection forms were submitted and an hourly fire watch was established. The penetrations will be properly sealed per the approved detail. A revision to the applicable field instruction will be issued that will specifically caution cable routing designers concerning fire barrier drawings. Refresher training for modification group personnel to review this event and the requirements related to breaching fire barriers will be performed.



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**LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION**

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

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In addition, we are continuing our efforts to improve these surveillance activities with actions planned to improve the content of surveillance packages and the documentation of inspection activities.

The expected completion date for completing the above actions is September 30, 1995.

ADDITIONAL INFORMATION

Failed Component Identification: Not Applicable

Previous Similar Reported Events:

Docket No. 50-387 LER 89-019-00, Identification of Damaged Penetration Seals.

Docket No. 50-387 LER 94-003-00, Fire Barrier Penetration Not Sealed, Fire Watch Not Performed.