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 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv 05000387
 AUTH. NAME AUTHOR AFFILIATION
 LLOYD, H. Pennsylvania Power & Light Co.
 STANLEY, H.G. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 94-004-00: on 940128, discovered that fire protection damper not installed in fire rated barrier due to initial const deficiency. Applicable surveillance procedure being evaluated. W/940317 ltr.

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Pennsylvania Power & Light Company

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March 17, 1994

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

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 94-004-00
PLAS -594 FILE R41-2

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

Attached is Licensee Event Report 94-004-00. This report is being made pursuant to 10CFR50.73(a)(2)(i)(B), as a condition prohibited by Technical Specifications in that a fire protection damper was not installed in a fire rated barrier as required.


H.G. Stanley
VP - Nuclear Operations

HL/mjm

cc: Mr. T. T. Martin
Regional Administrator, Region I
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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), 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) Susquehanna Steam Electric Station - Unit 1							DOCKET NUMBER (2) 0 5 0 0 0 3 8 7			PAGE (3) 1 OF 0 3		
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TITLE (4)
Fire Protection Damper Not Installed in Fire Rated Barrier

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	1	2	8	9	4	9	4	0	3	1	7	9	4	S.S.E.S. Unit 2	0 5 0 0 0 3 8 8

OPERATING MODE (9) 1

POWER LEVEL (10) 1 | 0 | 0

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

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(c)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.38(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)
<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.38(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
<input type="checkbox"/> 20.405(a)(1)(iii)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	
<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	
<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)	

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	
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

On January 28, 1994, with Units 1 & 2 in Condition 1 at 100% power, it was discovered during a surveillance inspection that a fire protection damper was not installed in a fire rated barrier. On February 16, 1994, it was determined that an Engineering Study which was in progress at the time of discovery indicated that the damper is not required. However, this study is not yet approved; therefore, the damper is required to be installed and operable by the existing Fire Protection Program. The required Technical Specification LCO action of establishing an hourly fire watch was taken. The cause of this condition was an initial construction deficiency. The cause of failing to previously identify this condition was mistaking a different fire damper in the same duct for the missing damper. This condition was determined to be reportable per 10CFR50.73(a)(2)(i)(B) as a condition prohibited by Technical Specification in that the required LCO action had not been taken for the damper which was not installed. Once the final determination as to the requirement for this damper is made, the appropriate action will be taken.

**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 4	0 0 4	0 0	0 2	OF	0 3

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

DESCRIPTION OF EVENT

On January 28, 1994, with Unit 1 and 2 in Condition 1 (Run) at 100% power, a surveillance inspection of fire protection dampers was in progress. During the inspection it was noted that a damper indicated in the surveillance procedure was not installed. Systems Engineering was notified to assist in the investigation and reportability determination. The investigation was concluded on February 16, 1994 and it was determined that an Engineering Study in progress identified this damper as not being required since it does not separate redundant safe shutdown equipment and does not affect the safe shutdown analysis. However, since the damper was included in the current surveillance procedure as required by existing Fire Protection Program documents, it was required to be operable. Since the damper is not installed, the surveillance requirements were not met. An hourly fire watch was established as required by Technical Specifications and the system status file was updated to track this discrepancy.

CAUSE OF EVENT

The cause of the damper not being installed was attributed to an initial construction deficiency. The cause of failing to identify this condition during previous performances of the surveillance was mistaking a different damper several feet down the same duct for the subject damper. The damper is located in a duct above a suspended ceiling and a power operated smoke removal damper must be opened to look down the duct and inspect the fire protection damper. This difficulty in performing the inspection attributed to the mistaken identity.

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 required Limiting Condition for Operation action statement was not entered for an inoperable fire protection damper and the required fire watch was not performed. As previously discussed, an Engineering Study is in progress, though not yet approved, which identifies the damper as not being required.

In addition, fire detection and suppression in the area is highly reliable and roving fire watches frequent the area where the damper is required. Therefore, there were minimal safety consequences as a result of this event.

This condition would not have been more significant at any other initial operating condition.

In accordance with guidance provided in NUREG 1022, Supplement 1, item 14.1, the required submission date for this report was determined to be March 18, 1994.

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.

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

CORRECTIVE ACTION

Upon completion of the investigation, the required Technical Specification LCO action of establishing an hourly fire watch was taken and the system status file was updated to track this condition. Until the Engineering Study and appropriate actions are complete, the fire watch will remain in effect. If the final conclusion is that the damper is not required, it will be removed from the surveillance procedure. Should the determination be that the damper is required, it will be installed in a timely manner.

Prior to commencement of the most recent surveillance, the labeling of fire protection dampers had been improved and is considered adequate. The personnel (utility, non-licensed) involved with performance of the surveillance were counseled on the importance of attention to detail and self-checking. The surveillance procedure is being evaluated for possible enhancements to prevent recurrence and will be revised if any are identified.

ADDITIONAL INFORMATION

Failed Component Identification: Not applicable.

Previous Similar Reported Events:

Docket No. 50-387, LER 91-003-01, Fire Damper Not Installed in Fire Rated Barrier