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ACCESSION NBR: 9109200160 DOC.DATE: 91/09/18 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv 05000387
 AUTH.NAME AUTHOR AFFILIATION
 DAVIS, S.E. Pennsylvania Power & Light Co.
 STANLEY, H.G. Pennsylvania Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 91-011-00: on 910819, unsealed openings in fire rated
 barriers occurred. Caused by openings not properly sealed.
 Identified openings sealed to assure integrity of fire rated
 barrier restored. W/910918 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: LPDR 1. cy Transcripts.

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	AEOD/ROAB/DSP	2 2	NRR/DET/ECMB 9H	1 1
	NRR/DET/EMEB 7E	1 1	NRR/DLPQ/LHFB10	1 1
	NRR/DLPQ/LPEB10	1 1	NRR/DOEA/OEAB	1 1
	NRR/DREP/PRPB11	2 2	NRR/DST/SELB 8D	1 1
	NRR/DST/SICB8H3	1 1	NRR/DST/SPLB8D1	1 1
	NRR/DST/SRXB 8E	1 1	REG FILE 02	1 1
	RES/DSIR/EIB	1 1	RGNI FILE 01	1 1
EXTERNAL:	EG&G BRYCE, J.H.	3 3	L ST LOBBY WARD	1 1
	NRC PDR	1 1	NSIC MURPHY, G.A	1 1
	NSIC POORE, W.	1 1	NUDOCS FULL, TXT	1 1
NOTES:		2 2		

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Pennsylvania Power & Light Company

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September 18, 1991

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

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 91-011-00
FILE R41-2
PLAS - 501

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

Attached is Licensee Event Report 91-011-00. This report is being made pursuant to 10CFR50.73(a)(2)(i)(B) as the failure to meet Technical Specification 3.7.7, in that unsealed openings were found through fire rated barriers without compensatory measures in place which constituted an action prohibited by the Technical Specifications.

TP Dalpiaz for HGS

H.G. Stanley
Superintendent of Plant - Susquehanna

SED/mjm

cc: Mr. T. T. Martin
Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
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Mr. G. S. Barber
Sr. Resident Inspector
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P.O. Box 35
Berwick, PA 18603-0035

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PDR ADOCK 05000387
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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)
Unsealed Openings in Fire Rated Barriers

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)
08	19	91	91	011	00	09	18	91	SSES - Unit 2	0 5 0 0 0 3 8 8

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)				
POWER LEVEL (10) 1 0 0	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 20.406(a)(1)(iv)
	<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 20.406(c)	<input type="checkbox"/> 60.36(c)(1)	<input type="checkbox"/> 60.36(c)(2)	<input checked="" type="checkbox"/> 60.73(a)(2)(i)
	<input type="checkbox"/> 20.406(a)(1)(vi)	<input type="checkbox"/> 60.73(a)(2)(ii)	<input type="checkbox"/> 60.73(a)(2)(iii)	<input type="checkbox"/> 60.73(a)(2)(iv)	<input type="checkbox"/> 60.73(a)(2)(v)
	<input type="checkbox"/> 20.406(a)(1)(vii)	<input type="checkbox"/> 60.73(a)(2)(vi)	<input type="checkbox"/> 60.73(a)(2)(vii)	<input type="checkbox"/> 60.73(a)(2)(viii)(A)	<input type="checkbox"/> 60.73(a)(2)(viii)(B)
	<input type="checkbox"/> 20.406(a)(1)(viii)	<input type="checkbox"/> 60.73(a)(2)(vii)	<input type="checkbox"/> 60.73(a)(2)(viii)(A)	<input type="checkbox"/> 60.73(a)(2)(viii)(B)	<input type="checkbox"/> 60.73(a)(2)(ix)
	<input type="checkbox"/> 20.406(a)(1)(ix)	<input type="checkbox"/> 60.73(a)(2)(viii)(A)	<input type="checkbox"/> 60.73(a)(2)(viii)(B)	<input type="checkbox"/> 60.73(a)(2)(ix)	<input type="checkbox"/> 60.73(a)(2)(x)

LICENSEE CONTACT FOR THIS LER (12)	
NAME Stan E. Davis - Site Fire Protection Engineer	TELEPHONE NUMBER 7 1 7 5 4 2 - 3 9 1 5

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) <input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On August 19, 1991 with Unit 1 and Unit 2 operating in Condition 1 at 100% power, it was identified that openings existed in fire rated barriers in the Control Structure which are required to meet Technical Specification 3.7.7, and since it cannot be confirmed that appropriate compensatory measures were in place to meet the action statement for this Technical Specification at all times, it was determined that the condition constituted an operation prohibited by the Technical Specifications. Operability of the fire detection on at least one side of the fire barrier was confirmed and an hourly firewatch was established. All similar locations were inspected for this condition. These openings will be sealed to assure integrity of the fire rated barrier.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 80.0 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) Unit 1 Susquehanna Steam Electric Station	DOCKET NUMBER (2) 0 5 0 0 0 3 8 7	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 1	- 0 1 1	- 0 0	0 2	OF	0 3

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

EVENT DESCRIPTION

On August 19, 1991 with Unit 1 and Unit 2 operating in Condition 1 at 100% power, during review of a NonConformance Report, which identified eleven openings through Technical Specification required fire rated barriers in the Control Structure, it was determined that operability of these fire barriers is affected. The size of the openings vary from 1" by 2" to 5/8" by 36". These openings are located in the fire rated barriers involving the PGCC Flooring System below several doorways between the subfloor structural steel framework and the under side of the raised flooring. These openings are not identified on any design drawings. All similar locations were inspected for this condition.

CAUSE OF EVENT

This condition is the result of the openings not being properly sealed during the construction of the plant. No evidence could be found that these openings were ever sealed. The openings do not appear on any design drawings.

REPORTABILITY/SAFETY ASSESSMENT

This event was determined to be reportable under 10CFR50.73(a)(2)(i)(B) as the failure to meet Technical Specification 3.7.7 constituted an action prohibited by the Technical Specifications.

The affected fire rated barriers are necessary to maintain separation between fire areas. With these openings not being sealed, a breach of the fire barrier is possible. However, based upon the size of the openings, the relative air tight integrity of the PGCC Flooring System (as demonstrated through room fan integrity testing), and all affected floor areas being equipped with automatic CO2 or Halon fire suppression systems, the probability of a fire propagating through the fire barrier and causing significant damage is low. With the openings not sealed, this event created little or no significant consequences to the health and safety of the public and/or plant personnel. The safety impact of this condition would not have been greater at any other plant operating condition.

In accordance with 10CFR50.4(d), the required submission date for this report was determined to be 09/18/91.

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.

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (6)

PAGE (3)

Unit 1
Susquehanna Steam Electric Station.

0 5 0 0 0 3 8 7

YEAR	SEQUENTIAL NUMBER		REVISION NUMBER		OF	3
91	0	1	0	0	3	3

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

CORRECTIVE ACTIONS

All similar locations were inspected for this condition. The identified openings will be sealed to assure the integrity of the fire rated barrier is restored. The firewatch will remain in effect until the corrective actions are implemented.

ADDITIONAL INFORMATION

Failed Components Identification:

Previous Similar Reported Events:

LER 84-046-00 (Unit 1), 84-026-00 (Unit 2), and 87-009-00, 88-023-00, and 88-023-01 (Unit 1 and 2) are similar events where a fire barrier was found not complete from construction of the plant.

