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REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9403040023 DOC. DATE: 94/02/22 NOTARIZED: NO DOCKET #
 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 94-002-00: on 940122, unexpected chemical reaction occurred while adding chemicals to Reactor Building Closed Cooling Water Sys. Caused by failure to perform hourly fire watch. Affected areas safe & firewatch resumed. W/940222 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:

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INTERNAL:	ACRS		2	2	AEOD/DOA			1	1
	AEOD/DSP/TPAB		1	1	AEOD/ROAB/DSP			2	2
	NRR/DE/EELB		1	1	NRR/DE/EMEB			1	1
	NRR/DORS/OEAB		1	1	NRR/DRCH/HHFB			1	1
	NRR/DRCH/HICB		1	1	NRR/DRCH/HOLB			1	1
	NRR/DRIL/RPEB		1	1	NRR/DRSS/PRPB			2	2
	NRR/DSSA/SPLB		1	1	NRR/DSSA/SRXB			1	1
	REG FILE	02	1	1	RES/DSIR/EIB			1	1
	RGNI FILE	01	1	1					
EXTERNAL:	EG&G BRYCE, J.H		2	2	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

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Pennsylvania Power & Light Company

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February 22, 1994

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

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 94-002-00
PLAS - 589 FILE R41-2

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

Attached is Licensee Event Report 94-002-00. This report is being made pursuant to 10CFR50.73(a)(2)(i)(B), as an operation prohibited by Technical Specifications in that required fire watches were not performed on one elevation of the Unit 1 Reactor Building while the area was evacuated due to a chemical fumes in the area.


H.G. Stanley
VP - Nuclear Operations

HL/mjm

cc: Mr. T. T. Martin
Regional Administrator, Region I
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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: 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) Susquehanna Steam Electric Station - Unit 1 DOCKET NUMBER (2) 0 5 0 0 0 3 8 7 PAGE (3) 1 OF 0 3

TITLE (4)
Fire Watches Not Performed During Area Evacuation

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	9	4	9	4	0	0	2	0	0	0
				0	0	2	0	0	2	2	2	9
												0 5 0 0 0

OPERATING MODE (9) 1

POWER LEVEL (10) 0 2 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"/> 50.36(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"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	<input type="checkbox"/> 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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME Harrison Lloyd, Jr. - Power Production Engineer TELEPHONE NUMBER 7 1 1 7 5 4 2 - 3 9 1 7

AREA CODE 7 1 1 7

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) NO X

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

On January 22, 1994, with Unit 1 in Condition 1 at 20% power, an unexpected chemical reaction occurred while adding chemicals to the Reactor Building Closed Cooling Water System. This reaction caused irritating fumes in the area and resulted in evacuation of the affected elevation of the Reactor Building. The area was evacuated for approximately three and one half hours while recovery from the event was accomplished. During this time, hourly fire watches in place for inoperable fire barriers were not performed. The cause and corrective action for the chemical event are being addressed in a separate station operating occurrence report. The failure to perform required fire watches was due to evacuation of the affected area. This event was determined to be reportable per 10CFR50.73(a)(2)(i)(B) as an operation prohibited by Technical Specifications in that required fire watches for inoperable fire barriers were not performed while the affected area was evacuated. Once the affected area was declared safe for inhabiting, the hourly fire watches were resumed.

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) Unit 1 Susquehanna Steam Electric Station	DOCKET NUMBER (2) 0 5 0 0 0 3 8 7	LER NUMBER (6)			PAGE (3)		
		YEAR 9 4	SEQUENTIAL NUMBER — 0 0 2	REVISION NUMBER — 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 22, 1994 with Unit 1 in Condition 1 (Run) at 20% power, an unexpected chemical reaction occurred while chemicals were being added to the Reactor Building Closed Cooling Water System (EIIS Code: CC). This reaction caused irritating fumes in the area of the system expansion tank where the chemicals were added. The operator (utility, non-licensed) adding the chemicals closed the lid on the expansion tank and then evacuated the immediate area. At 1440 hours, Shift Supervision made the decision to evacuate the elevation of the Reactor Building where the expansion tank is located. The Operations fire brigade (utility, licensed and non-licensed) donned protective gear and proceeded to the tank to bolt on the tank cover and flush the chemicals into the system which was completed satisfactorily. At 1712 hours, Safety Department personnel (utility, non-licensed) completed air sampling of the area and determined that the air was safe for inhabiting. At 1815 hours, Operations declared unrestricted access to the area. During the time that the area was evacuated (1440 hours - 1815 hours) the hourly fire watches in effect for the areas on this elevation could not be performed.

CAUSE OF EVENT

The cause of the chemical addition event is being addressed in a separate station operating occurrence report. The cause of the failure to perform the required hourly fire watches was the fact that the affected area of the Reactor Building was evacuated until the chemicals were flushed into the system and appropriate air samples were completed. Investigation revealed that only the area in close proximity (approximately 5 feet) to expansion tank were affected. However, as a conservative measure, the entire elevation was evacuated until appropriate air samples were complete and the area declared safe for inhabiting.

REPORTABILITY/ANALYSIS

This event was determined to be reportable per 10CFR50.73(a)(2)(i)(B) as an operation prohibited by Technical Specifications in that the Limiting Condition for Operation action statement to perform hourly fire watches for inoperable fire barriers was not performed during the time that the area was evacuated. Fire detection and suppression systems remained operable during this time. In addition, the Fire Brigade was present to evaluate the chemical event and would have been available in the unlikely event of a fire. Therefore, there were minimal safety compromises as a result of this event.

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

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 9 4	SEQUENTIAL NUMBER — 0 0 2	REVISION NUMBER — 0 0	0 3	OF	0 3

TEXT (If more space is required, use additional NRC Form 368A's) (17)

In accordance with guidance provided in Nureg 1022, Supplement 1, item 14.1 and 10CFR50.4(d), the required submission date for this report was determined to be February 22, 1994.

CORRECTIVE ACTION

As discussed in the Cause of Event, the Corrective Action associated with the chemical event are being addressed in a separate station operating occurrence report. There are no corrective actions associated with the fire watches which could not be completed. Once the affected area was declared safe for inhabiting, the hourly fire watches were resumed.

ADDITIONAL INFORMATION

Failed Component Identification: Not Applicable

Previous Similar Reported Events:

Although there have been previous reports where required fire watches were not performed, there were none caused by the areas requiring fire watches being evacuated.