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ACCESSION NBR: 9404120026 DOC. DATE: 94/04/07 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387
 AUTH. NAME AUTHOR AFFILIATION
 LLOYD, H Pennsylvania Power & Light Co.
 STANLEY, H.G. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 94-006-00: on 940308, panel door was found open, rendering Halon protection for panel inoperable. Caused by lack of sufficient direction in work package. Corrective action: test equipment was removed, panel door was closed. W/940407 ltr.

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 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

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Pennsylvania Power & Light Company

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April: 7, 1994

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

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 94-006-00
FILE R41-2
PLAS -597

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

Attached is Licensee Event Report 94-006-00. This report is being made 10CFR50.73(a)(2)(i)(B), as a condition prohibited by Technical Specifications in that a panel protected by Halon fire protection was inoperable when its door was left open and unattended.



H.G. Stanley
VP - Nuclear Operations

HL/mjm

cc.: Mr. T. T. Martin
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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 Halon for Panel Inoperable with Panel Door Open

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 8	9 4	9 4	0 0 6	0 0 0	0 4	0 7	9 4		0 5 0 0 0 0
										0 5 0 0 0 0

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	20.402(b)		20.405(e)		50.73(a)(2)(iv)		73.71(b)			
	20.405(a)(1)(i)		50.38(e)(1)		50.73(a)(2)(v)		73.71(c)			
	20.405(a)(1)(ii)		50.38(e)(2)		50.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)			
	20.405(a)(1)(iii)	X	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)					
	20.405(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)					
	20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(ix)					

LICENSEE CONTACT FOR THIS LER (12)									
NAME Harrison Lloyd, Jr. - Power Production Engineer							TELEPHONE NUMBER 7 11 17 5 14 12 - 13 19 11 17		

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)							EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO										

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

On March 8, 1994, with Unit 1 operating at 100% power, a panel door for a panel protected by Halon fire suppression equipment was found open, thus rendering the Halon protection for the panel inoperable. The door was open to facilitate installation of temporary test equipment. The Technical Specification LCO action statement was entered until the temporary equipment was removed and the door was then closed. The cause of this event was determined to be lack of sufficient direction in the work package used to install the temporary equipment. This condition was determined to be reportable per 10CFR50.73(a)(2)(i)(B) as a condition prohibited by Technical Specifications in that the required LCO action statement was not entered during the time from which the door was open until the condition was discovered. There were no safety consequences and minimal safety compromises as a result of this event. The temporary equipment was removed and the door was closed. The actions to prevent recurrence include the following: adding signs to the panel doors to identify the effects of leaving a door open, revising applicable training courses with respect to this subject, and revising the procedure on fire protection equipment status as to requirements for enclosures of Halon protected equipment.

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 1 0 0 0 3 8 7	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 4	- 0 0 6	- 0 0	0 2	OF 0	3

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

DESCRIPTION OF EVENT

On March 8, 1994, with Unit 1 in Condition 1 (Run) at 100% power, a panel door for a panel which is protected by Halon fire suppression equipment (EIS Code: KQ) was found to be open. Temporary test equipment was installed to monitor a plant parameter and the wiring for this equipment necessitated having the door open to allow the wiring to exit the panel. This Halon system is required to be operable per the Technical Specifications. The Site Fire Protection Engineer (utility, non-licensed) was contacted and confirmed that this condition rendered the Halon protection for the panel inoperable. The Technical Specification Limiting condition for Operations (LCO) action statement was entered and action initiated to remove the temporary equipment so that the door could be closed. The LCO was cleared within one hour, thus a fire watch was not required. Investigation revealed that the temporary equipment was installed on February 8, 1994.

CAUSE OF EVENT

The cause of this event was determined to be incomplete direction in the work package used to install the temporary equipment in the panel. The installation form for temporary equipment addresses fire protection requirements but the preparer only addressed combustible loading. Halon operability was not considered because the procedure which governs fire protection equipment status does not contain guidance as to requirements for enclosures of Halon protected equipment.

REPORTABILITY/ANALYSIS

This condition was determined to be reportable per 10CFR50.73(a)(2)(i)(B) as a condition prohibited by Technical Specifications in that the required Limiting Condition for Operation action statement was not entered for an inoperable Halon system when the door for a Halon protected panel was left open to facilitate test equipment. There were no safety consequences as a result of this event and the safety of the public or plant personnel was not significantly compromised. Had a fire occurred within the panel, the Halon would still have functioned to some degree. In addition, the room in which the panel is located contains CO2 fire suppression which would also serve to extinguish a fire.

This condition would not have been more significant at any other plant 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 April 7, 1994.

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

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 60.0 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 6	REVISION NUMBER - 0 0			

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

CORRECTIVE ACTION

The temporary test equipment was removed from the panel and the door was closed. Several actions to prevent recurrence were identified. Signs will be added to the panel doors to identify the effect of leaving a door open on panels protected by halon. This event will be discussed by appropriate work groups during non-routine training. Training courses for the following will be revised to address this issue: Engineering Orientation and On-going training, Work Practices training, and Work Planners training. The Maintenance Work Planners Guide will be evaluated for revision. The procedure which governs fire protection equipment status will be revised to include guidance as to requirements for enclosures of Halon protected equipment. These actions are scheduled to be completed by August 1, 1994.

ADDITIONAL INFORMATION

Failed Component Identification: N/A

Previous Similar Reported Events: None