

LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS MANDATORY INFORMATION COLLECTION REQUEST: 50.0 HRS. REPORTED LESSONS LEARNED ARE INCORPORATED INTO THE LICENSING PROCESS AND FED BACK TO INDUSTRY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, 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) 05000387	PAGE (3) 1 OF 3
--	--	-------------------------------	--------------------

TITLE (4)
Fire Barrier Not Surveilled In Accordance With The Technical Specifications

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 NAME	DOCKET NUMBER
2	6	98	98	-- 003	-- 00	03	09	98	Susquehanna SES - Unit 2	05000388
									FACILITY NAME	DOCKET NUMBER
										05000

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)									
POWER LEVEL (10) 100	20.2201(b)	20.2203(a)(2)(v)	<input checked="" type="checkbox"/>	50.73(a)(2)(ii)	50.73(a)(2)(viii)					
	20.2203(a)(1)	20.2203(a)(3)(i)		50.73(a)(2)(ii)	50.73(a)(2)(x)					
	20.2203(a)(2)(i)	20.2203(a)(3)(iii)		50.73(a)(2)(iii)	73.71					
	20.2203(a)(2)(ii)	20.2203(a)(4)		50.73(a)(2)(iv)	OTHER					
	20.2203(a)(2)(iii)	50.36(c)(1)		50.73(a)(2)(v)	Specify in Abstract below or in NRC Form 366A					
	20.2203(a)(2)(iv)	50.36(c)(2)		50.73(a)(2)(vii)						

LICENSEE CONTACT FOR THIS LER (12)	
NAME Cornelius T. Coddington - Senior Engineer, Licensing	TELEPHONE NUMBER (Include Area Code) 717 / 542-3294

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 15 single-spaced typewritten lines) (16)

On February 6, 1998, at 1200 hours with both Unit 1 and Unit 2 in Condition 1 (Power Operation) at 100% power, Engineering personnel (Utility: non-licensed) discovered during an engineering review, in follow-up to a previous event, that the north wall of the Diesel Generator Building had not been surveilled in accordance with Technical Specification 4.7.7.1 (Fire Barriers). The wall was declared inoperable and Limiting Condition For Operation 3.7.7 ACTION a was entered. This constituted a condition that is reportable per 10CFR73(a)(2)(i)(B). The wall was satisfactorily inspected and the LCO cleared. No conclusive cause could be determined for this event. The most probable cause was that following a modification to enclose a portion of the Service and Administration building in 1982, it was not recognized that the north wall of the Diesel Generator Building had become a rated fire area boundary. Therefore, the wall was not identified as a fire rated barrier on the fire protection features drawings and was not included in the Technical Specification surveillance. Corrective actions that have been taken include 1) satisfactorily inspecting of the wall, 2) revising the surveillance procedure to include the wall, 3) developing a study to identify those barriers required to be inspected by the Technical Specifications, and 4) reviewing those rated fire barriers required to be inspected in accordance with the Technical Specification requirements and no discrepancies were found. The fire protection features drawings will be revised to include the wall as requiring surveillance and the appropriate design consideration guidance will be revised to include walls/barriers. There were no consequences to public health and safety from not performing the required surveillances since the wall was successfully inspected and would always have performed its required function.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

FACILITY NAME (1)	DOCKET	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Susquehanna Steam Electric Station - Unit 1	05000				2 OF 3
	387	98	-- 003	-- 00	

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

EVENT DESCRIPTION

On February 6, 1998, at 1200 hours with both Unit 1 and Unit 2 in Condition 1 (Power Operation) at 100% power, Engineering personnel (Utility: non-licensed) discovered that the north wall of the Diesel Generator Building had not been surveilled in accordance with Technical Specification 4.7.7.1 (Fire Barriers). As a result of corrective actions from a previous event, a comprehensive review of fire barriers was undertaken. During this review, it was identified that the north wall of the Diesel Generator Building was not being inspected. The wall was declared inoperable and Limiting Condition For Operation 3.7.7 ACTION a was entered. This constituted a condition that is reportable per 10CFR50.73(a)(2)(i)(B). The wall was satisfactorily inspected and the LCO cleared.

CAUSE OF EVENT

No conclusive cause could be determined for this event. The most probable cause was that following a modification to enclose a portion of the Service and Administration building, it was not recognized that the north wall of the Diesel Generator Building had become a rated fire area boundary. Therefore, the wall was not identified as a fire rated barrier on the fire protection features drawings and was not included in the Technical Specification surveillance.

REPORTABILITY/ANALYSIS

As a result of corrective actions from a previous event (reported in LER 50-387/97-023-00), a comprehensive review of fire barriers was undertaken. During review of fire barriers utilizing the criteria established in the study, it was identified that the north wall of the Diesel Generator Building was not being inspected.

The north wall of the Diesel Generator Building was originally an outside wall. The railroad bay was enclosed as part of the Service and Administration Building modification that occurred in late 1982/early 1983. When the railroad bay was enclosed, the section of the north wall of the Diesel Generator Building was also enclosed. The Safety Evaluation for the modification discussed the diesel generator walls as having a 3-hour fire resistance rating.

The fire zone to fire area consolidation effort was completed in 1985. The purpose of this effort was to identify the fire area boundaries that are required to meet the provisions of 10CFR50 Appendix R. The results were documented in an Engineering calculation and were used in the development of the fire protection features drawings. The fire protection features drawings are used to identify those barriers that are required to be included in the surveillance procedures. The north wall of the Diesel Generator Building was not identified as a rated fire area boundary in the Engineering calculation. The fire protection architectural drawing, identified as a reference for this calculation, did not show the Service and Administration Building hot shop/railroad bay adjacent to the north wall of the Diesel Generator Building.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

FACILITY NAME (1)	DOCKET	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Susquehanna Steam Electric Station - Unit 1	05000				
	387	98	-- 003	-- 00	3 OF 3

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

It appears that during the fire area consolidation effort, the north wall of the Diesel Generator Building was not recognized as being an interior wall and therefore was not identified as a rated fire area boundary. This resulted in the wall not being shown as a fire rated barrier on fire protection features drawings for the Diesel Generator Buildings. Therefore, the wall was not included in the surveillances. This constitutes a condition that is reportable per 10CFR50.73(a)(2)(i)(B).

The wall was inspected and no discrepancies were found. There were no consequences to public health and safety from not performing the required surveillances since the wall was successfully inspected and would always have performed its required function.

In accordance with the guidelines provided in NUREG-1022, Revision 1, Section 5.1.1, the required submission date for this report was determined to be March 9, 1998.

CORRECTIVE ACTIONS

Corrective actions that have been completed include:

- The surveillance procedure was revised to require inspection of the north wall of the Diesel Generator Building
- The north wall of the Diesel Generator Building was satisfactorily inspected.
- A study to identify criteria for identifying those barriers required to be inspected in accordance with the Technical Specification requirements was developed.
- A comprehensive review of those rated barriers required to be inspected in accordance with the Technical Specification requirements was completed.

Corrective actions that will be completed:

- The fire protection features drawings will be revised to reflect that the north wall of the Diesel Generator Building is a 3-hour rated wall and as a rated fire barrier required to be surveilled by the Technical Specifications.
- The appropriate design consideration guideline will be revised to include review of modifications to walls/barriers to the applicability criteria.

ADDITIONAL INFORMATION

Past Similar Events: Docket No. 50-387, LER 91-003-01
 Docket No. 50-387, LER 94-004-00
 Docket No. 50-387, LER 97-023-00

Failed Component: None