

NRC FORM 366
(4-95)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB NO. 3150-0104
EXPIRES 4/30/98

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 (1-6-133) U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON DC 20555-0001 AND TO THE PAPERWORK REDUCTION PROJECT (3-50-0104) OFFICE OF MANAGEMENT AND BUDGET WASHINGTON DC 20503

FACILITY NAME (1)

SURRY POWER STATION, Unit 1

DOCKET NUMBER (2)

05000 - 280

PAGE (3)

1 OF 4

TITLE (4)

Fire Watch Inspection Frequency Exceeds One Hour

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	DOCUMENT NUMBER
02	12	98	1998	-- 005 --	01	04	22	98	Surry Power Station, Unit 2	05000-281
									FACILITY NAME	DOCUMENT NUMBER
										05000-
OPERATING MODE (9)		N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)							
			20.2201(b)			20.2203(a)(2)(v)		X	50.73(a)(2)(i)	50.73(a)(2)(viii)
POWER LEVEL (10)		100 %	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)(ii)			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
			20.2203(a)(2)(iv)			50.36(c)(2)			50.73(a)(2)(vii)	or in NRC Form 366A

LICENSEE CONTACT FOR THIS LER (12)

NAME

D. A. Christian, Site Vice President

TELEPHONE NUMBER (Include Area Code)

(757) 365-2000

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
NA	NA	NA	NA	NA					

SUPPLEMENTAL REPORT EXPECTED (14)

YES	X	NO	EXPECTED SUBMISSION DATE	MONTH	DAY	YEAR
(If yes, complete EXPECTED SUBMISSION DATE).						

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

On February 12, 1998, during Fire Protection Audit 98-02 being conducted by the Nuclear Oversight Department, a situation that occurred on June 6, 1997 was identified where a Technical Specification fire watch exceeded the required inspection frequency. On June 6, 1997, with Units 1 and 2 operating at 100% power, a fire detection alarm panel became inoperable. As required by Technical Specification 3.21.B.1, a fire watch patrol was established within one hour. TS 3.21.B.1 also requires a fire watch inspection frequency of the affected fire areas "at least once per hour." The required fire area inspections were performed, however the at-least-once-per-hour frequency was exceeded by one to seven minutes for some fire area patrols. The tardy fire watch patrols were performed by one individual. A fire did not occur, and there were no safety implications or consequences as a result of this event. A Category 2 Root Cause Evaluation (RCE) was conducted to determine the cause of this event and recommend corrective actions. The cause was lack of attention to detail by the individual involved. This report is being made pursuant to 10CFR50.73(a)(2)(i)(B).

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Surry Power Station, Unit 1	05000 - 280				
Surry Power Station, Unit 2	05000 - 281	1998	-- 005 --	01	2 OF 4

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

1.0 DESCRIPTION OF THE EVENT

On February 12, 1998, during Fire Protection Audit 98-02 being conducted by the Nuclear Oversight Department, a situation that occurred on June 6, 1997 was identified where a Technical Specification (TS) fire watch exceeded the required inspection frequency.

On June 6, 1997, with Units 1 and 2 operating at 100% power, a fire detection alarm panel was declared inoperable at 0059 hours. As required by TS 3.21.B.1, a fire watch patrol was established within one hour and the TS action statement was exited at 0119 hours. TS 3.21.B.1 also requires a fire watch inspection frequency of the affected fire areas "at least once per hour." Based on log entries, the required fire area inspections were performed, however the at-least-once-per-hour frequency was exceeded by one to seven minutes for some fire area patrols. The tardy fire watch patrols were performed by one individual.

This report is being made pursuant to 10CFR50.73(a)(2)(i)(B) as a condition prohibited by Technical Specifications.

2.0 SIGNIFICANT SAFETY CONSEQUENCES AND IMPLICATIONS

The required fire watches were initiated within the TS-required time period of one hour. The affected fire areas requiring inspection were inspected, and the required number of inspections were performed. The personnel performing the fire watches were fire watch qualified to detect, report, and extinguish fires. Fire suppression equipment remained operable throughout the time frame.

If a fire had occurred, it would have been detected, reported, and extinguished. However, a fire did not occur. Therefore, this event resulted in no significant safety consequences or implications, and the health and safety of the public were not affected.

3.0 CAUSE

A Category 2 Root Cause Evaluation (RCE) was conducted to determine the cause of this event. The cause was lack of attention to detail by the individual involved, in that some of the inspections of the affected fire areas were not performed within the required frequency of "at least once per hour." Because the event occurred several months prior to being identified, it was not possible to identify what specifically caused the individual's inattention to detail.

The following contributing cause was also identified:

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3.0 CAUSE (continued)

- As a result of an event that occurred in the latter half of 1996, fire watch training had been revised to emphasize the need to perform the patrols during the required frequency of "at least once per hour," as well as to notify the foreman and the Operations Shift Supervisor if the required frequency was not satisfied. Although the individual involved had received the revised fire watch training, the individual did not realize there was a need to notify anyone when the required fire watch frequency was not satisfied in the June 1997 event.

4.0 IMMEDIATE CORRECTIVE ACTION(S)

When Nuclear Oversight discovered that the required fire watch inspection frequency of "at least once per hour" had been exceeded, a station deviation was issued.

5.0 ADDITIONAL CORRECTIVE ACTIONS

As a result of the issuance of the station deviation, the Category 2 RCE was initiated to determine the cause of the event and to recommend corrective actions. The RCE has been completed and the corrective actions discussed in Section 6.0 have been approved for implementation.

The individual involved was coached on the requirement to perform fire watch patrols within the required time frame, as well as to notify the foreman and the Operations Shift Supervisor if the required fire watch frequency is exceeded.

6.0 ACTIONS TO PREVENT RECURRENCE

The fire watch training job performance measurement (JPM) will be revised to require completion of a Fire Watch Tour Sheet. This JPM will emphasize the frequency requirements associated with continuous and hourly fire watches. The need to notify the foreman and the Operations Shift Supervisor if the required fire watch frequency is exceeded will also be emphasized.

7.0 SIMILAR EVENTS

LER 50-280, 50-281/96-007-00, titled "Fire Watch Patrol Inspection Frequency Exceeds One Hour," and dated September, 19, 1996.

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8.0 MANUFACTURER/MODEL NUMBER

Not applicable.

9.0 ADDITIONAL INFORMATION

None.