

James A. FitzPatrick  
Nuclear Power Plant  
P.O. Box 41  
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Harry P. Salmon, Jr.  
Resident Manager

August 7, 1992  
JAFF-92-0589

United States Nuclear Regulatory Commission  
Document Control Desk  
Mail Station P1-137  
Washington, D.C. 20555

SUBJECT: DOCKET NO. 50-333  
LICENSEE EVENT REPORT: 92-030-00 - Missed hourly  
roving fire watch patrol

Dear Sir:

This report is submitted in accordance with 10 CFR 50.73(a)(2)(i)(B).

Questions concerning this report may be addressed to  
Mr. W. Verne Childs at (315) 349-6071.

Very truly yours,

*H. Salmon by direction*  
HARRY P. SALMON, JR.

HPS:WVC:tmk

Enclosure

cc: USNRC, Region I  
USNRC Resident Inspector  
INPO Records Center

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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 20545, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1): James A. FitzPatrick Nuclear Power Plant  
DOCKET NUMBER (2): 0 5 | 0 | 0 | 0 | 3 | 3 | 3 | 1 OF 0 | 5  
PAGE (3): 1 OF 0 | 5

TITLE (4): Hourly roving fire watch patrol missed for one hour due to failure to follow watch relief procedures and fire watch post instructions.

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
0	7	08	92	030	000	08	06	92	
								DOCKET NUMBER(S): 0 5   0   0   0	

OPERATING MODE (9)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)								
N	20.402(b)	20.405(e)	60.73(a)(2)(iv)	73.71(b)					
POWER LEVEL (10): 0.00	20.406(a)(1)(i)	60.36(a)(1)	60.73(a)(2)(v)	73.71(c)					
	20.406(a)(1)(ii)	60.36(a)(2)	60.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 306A)					
	20.406(a)(1)(iii)	X 60.73(a)(2)(ii)	60.73(a)(2)(vii)(A)						
	20.406(a)(1)(iv)	60.73(a)(2)(iii)	60.73(a)(2)(vii)(B)						
	20.406(a)(1)(v)	60.73(a)(2)(iv)	60.73(a)(2)(ix)						

LICENSEE CONTACT FOR THIS LER (12):  
NAME: W. Verne Childs, Senior Licensing Engineer  
TELEPHONE NUMBER: 3 1 | 5 | 3 | 4 | 9 | - | 6 | 0 | 7 | 1

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRRDS

SUPPLEMENTAL REPORT EXPECTED (14):  
 YES (If yes, complete EXPECTED SUBMISSION DATE)  NO  
EXPECTED SUBMISSION DATE (15): MONTH: | DAY: | YEAR: |

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen 8 1/2" space typewritten lines) (16)

EIIS Codes are in {}

The plant was shutdown and in the cold condition for maintenance and refuel with the irradiated fuel in the spent fuel pool. On 07/08/92 an hourly roving fire watch patrol required by Technical Specification 3.12.F.2 and/or commitments related to 10CFR50, Appendix R was not completed for a one hour period. The fire watch left the plant at the completion of a work shift without being properly relieved as required. The hourly roving fire watch patrol post involved 15 areas containing portions of non-safety related and safety related electrical distribution systems [EA,EB,EC,ED], emergency diesel generators [EK], safety related service water pumps [BI] and fire pumps [KP]. The event was not safety significant due to the short time interval and plant conditions. Corrective action includes disciplinary action, procedure changes to strengthen the fire watch relief process and training on the procedure changes. LER-92-001, 92-006, 92-010 and 92-019 describe previous similar events involving fire watch performance and/or fire watch supervision deficiencies.

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.

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
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TEXT IF more space is required, use additional NRC Form 366A (6-89)

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### Description

The plant was shutdown and in the cold condition for maintenance and refuel with all irradiated fuel in the spent fuel pool. On July 8, 1992 an hourly roving fire watch patrol of 15 plant areas was not completed during a one hour period between 1100 and 1200 hours. A fire watch went off duty at approximately 1100 hours without being properly relieved. The individual scheduled to relieve the offgoing fire watch had been delayed for completion of routine random fitness for duty alcohol and drug testing.

A number of fire watches are on duty to provide compensatory action for deficiencies in fire barrier penetrations, fire suppression systems and/or 10CFR50, Appendix R requirements (See LER-91-024, 92-004, 92-015 and 92-017). As a routine part of the fitness for duty alcohol and drug testing the names of a number of individuals, including three fire watch personnel, were randomly selected by a computer at approximately 0650 hours for testing on July 8, 1992. At approximately 0705 hours the fire watch supervisor was informed that the selected fire watch individuals were to report for testing. Since two of the selected individuals were not on site at that time their security access badges were "flagged" so they would be directed to report to the medical facility for testing prior to being granted access.

At approximately 1036 hours the individual scheduled to relieve the roving fire watch noted above arrived at the security building and was directed to first report to the medical facility for fitness for duty testing. The individual completed testing at approximately 1110 hours and returned to the plant. While preparing to assume responsibility for the hourly roving fire watch the individual reviewed the fire watch logs and realized that a patrol had not been completed between 1100 and 1200 hours. The fire watch immediately informed the fire watch supervisor and at approximately 1201 the individual started an hourly roving fire watch patrol of the assigned post.

The offgoing fire watch that completed the tour of duty at 1100 hours left the plant without being properly relieved and did not inform the fire watch supervisor or shift supervisor that a relief was not present at the appointed time.

LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 600 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20545, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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EXT (If more space is required, use additional NRC Form 386A's) (17)

The 15 areas in which the hourly roving fire watch patrol was missed are listed below along with the major equipment contained in the area.

1. West Electric Bay containing portions of non-safety related and division 1 safety related medium voltage (4160 Volts AC) [EA,EB] and low voltage (600 Volts AC) [EC,ED] power distribution equipment.
2. East Electric Bay containing portions of safety division 2 equipment similar to that in the West Electric Bay.
3. West Electric Bay cable tunnel containing portions of non-safety related and division 1 safety related medium voltage [EA,EB] and low voltage [EC,ED] power distribution cables and various instrumentation and control cables.
4. East Electric Bay cable tunnel containing portions of safety division 2 equipment similar to that in the West Electric Bay cable tunnel.
5. Through 8. Emergency Diesel Generator (EDG) [EK] rooms A,B,C and D.
9. and 10. South (safety division 1) and North (safety division 2) EDG switchgear rooms containing portions of the safety related medium and low voltage power distribution [EB,ED] systems.
11. and 12. North (safety division 1) and South (safety division 2) safety related pump rooms containing Residual Heat Removal Service Water [BI] pumps, Emergency Service Water (ESW) [BI] pumps and electric motor driven fire pump [KP] 76P-2.
13. and 14. West and East diesel engine driven fire pumps [KP] 76P-1 and 76P-4.
15. East and West Electric Bay ventilation fan rooms.

Cause

The event was caused by an offgoing fire watch leaving the post without proper relief. The fire watch also failed to notify the fire watch supervisor and/or shift supervisor that a relief was not present at the appointed time.

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 (F-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.

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TEXT (If more space is required, use additional NRC Form 306A's) (17)

Analysis

The failure to complete the hourly roving fire watch patrol for the one hour period resulted in violation of Technical Specification 3.12.F.2 requirements. As a result the event requires a report under 10CFR50.73(a)(2)(i)(B); that is, an operation prohibited by the plant technical specifications.

The event was not significant from a safety view point because of the short time period involved. In addition, 14 of the 15 areas involved have automatic carbon dioxide, water spray or sprinkler fire suppression systems [KP,KQ] installed and 8 of the 15 areas have irrized combustion products (smoke) detector systems installed. In several cases, continuous fire watches were also posted in areas adjacent to the area where the hourly roving fire watch patrol was not performed. As a result, postulated fires would have likely been discovered quickly and automatic fire suppression systems would have been effective in limiting damage. The failure to conduct the hourly roving fire watch patrol also was not safety significant, in part, due to the fact that the plant had been shutdown since November 28, 1991 (approximately 222 days). A similar occurrence during other plant conditions, such as during power operation is possible (but unlikely) because the same fire protection deficiencies which require the numerous fire watches are also the reasons the plant has remained shutdown.

Corrective Actions

1. The hourly roving fire watch patrol was reestablished at approximately 1200 hours on July 8, 1992.
2. Fire protection procedure FPP-1.8 will be revised by August 14, 1992 to strengthen the fire watch relief instructions by requiring both the oncoming and offgoing fire watches to acknowledge that relief has taken place.
3. All compensatory action fire watches will be trained on the revised procedure FPP-1.8 by August 21, 1992.
4. The fire watch individual that failed to follow instructions for relief was counseled and will be subjected to disciplinary action. Scheduled completion date: August 14, 1992.

LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 900 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-830), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20545; AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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

Additional Information

Failed Components: None

Previous Similar Events: LER-92-001, 92-006, 92-010 and 92-019 describe additional fire watch performance and/or fire watch supervision deficiencies.