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EVERS,K.H. Wisconsin Public Service Corp.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 91-003-00:on 910303,discovery made re hourly fire watch insp resulting in Tech Spec violation.Caused by inattention to detail by two security officers involved.Reformatting of open/degraded fire penetration list.W/910401 ltr.

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April 1, 1991 10 CFR 50.73

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Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Reportable Occurrence 91-003-00

The attached Licensee Event Report for reportable occurrence 91-003-00 is being submitted in accordance with the requirements of 10 CFR 50.73, "Licensee Event Report System."

Sincerely,

K. H. Evers
Manager-Nuclear Power

SLB/jms

Attach.

cc - INPO Records Center
Mr. Patrick Castleman, US NRC
US NRC, Region III

IE22
1/1

NRC Form 366 (9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO 3150-0104
EXPIRES 8/31/88

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Kewaunee Nuclear Power Plant	0 5 0 0 0 3 0 5	1 OF 0 3

TITLE (4) Inadequate Review of Fire Penetration List by Fire Watch Patrol Results in Violation of Technical Specification 3.15.f

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 2	2 8	9 1	9 1	0 0 3	0 0	0 4	0 1	9 1	N/A	0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9)	N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)			
POWER LEVEL (10)	0 9 5	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
David S. Nalepka - Plant Licensing Supervisor Robert L. Nelson - Nuclear Consultant Special Projects	AREA CODE 4 1 4 3 8 8 - 2 5 6 0

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	N/A			

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

At 0245 on March 3, 1991, and at 0146 on March 4, 1991, with the plant at 95% power, it was discovered that hourly fire watch inspections had not been performed as required by Technical Specification 3.15.f. The specification requires that a hourly fire watch inspection be performed, on at least one side of a penetration, if the fire barrier is not intact. The non-performance of inspections was discovered by a contract Security Shift Captain during review of the security computer personnel access printouts.

The March 3, 1991, review revealed that an area in which a penetration fire barrier was not intact had not been inspected by the assigned Security Officer during the time periods of 1300-1500 on February 28, 1100-1300 on March 1, and 0900-1100 on March 2, 1991.

The March 4, 1991, review revealed that an area in which a penetration fire barrier was not intact had not been inspected during the time period of 1000-1100 on March 3, 1991.

The root cause of the event was determined to be inattention to detail by the two security officers involved.

Corrective actions will include reformatting of the open/degraded Fire Penetration List to group affected penetrations with the associated area; and performing a review of the Fire Watch Surveillance Procedure and revising the procedure as appropriate.

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Kewaunee Nuclear Power Plant	0 5 0 0 0 3 0 5	9 1	— 0 0 3	— 0 0	0 2 OF 0 3

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

Description of Event

At 0245 on March 3, 1991, and at 0146 on March 4, 1991, with the plant at 95% power, it was discovered that hourly fire watch inspections had not been performed as required by Technical Specifications. The Kewaunee Technical Specification 3.15.f, requires that when a penetration fire barrier protecting safety-related areas is not intact, a hourly fire watch inspection shall be established for at least one side of the penetration within one hour. The non-performance of these inspections was discovered by a Security Shift Captain during a review of the security computer personnel access printouts.

The performance of fire watch inspections is a responsibility assigned to the contracted security force, and is implemented by the assignment of a security officer as the fire watch patrol, on a two hour rotational basis. The security officer is provided with a open/degraded Fire Penetration List which lists the degraded penetration number and designates the area which is required to be inspected.

The March 3, 1991, review revealed that an area, in which penetration [PEN] fire barrier No. 363 was not intact, had not been inspected by the Security Officer assigned fire watch patrol during the time periods of 1300-1500 on February 28, 1100-1300 on March 1, and 0900-1100 on March 2, 1991. Penetration fire barrier No. 363 provides a barrier between the Technical Support Center (TSC) and the Auxiliary Building. The Fire Penetration List designated the area above Door [DR] No. 442 in the TSC as the area to be inspected, however, the security computer personnel printout did not indicate that the TSC had been entered by the Security Officer assigned fire watch patrol during the above time periods. The same security officer was involved in the three events.

The March 4, 1991, review revealed that an area, in which penetration fire barrier No. 814 was not intact, had not been inspected by the assigned Security Officer during the time period of 1000-1100 on March 3, 1991. Penetration fire barrier No. 814 provides a barrier between the Control Room Air Conditioning Equipment Room (CR A/C ER) and the Auxiliary Building. The Fire Penetration List designated the CR A/C ER as the area to be inspected. This event involved a different security officer than that involved in the February 28-March 2, 1991 events.

Cause of Event

Failure to perform the fire watch inspections in accordance with the Fire Penetration List was caused by inattentiveness to detail by the Security Officers involved.

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Kewaunee Nuclear Power Plant	0 5 0 0 0 3 0 5	9 1	— 0 0 3	— 0 0	0 3 OF 0 3

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

Analysis of Event

This event is being reported in accordance with 10CFR50.73(a)(2)(i)(B) as a condition prohibited by the plant's technical specification.

There were no safety consequences as a result of the failure to perform the fire watch inspections. The scheduled inspections performed prior to and following the missed inspections did not reveal any condition or activity which would have compromised plant safety. The installed heat and smoke detectors, and fire suppression systems were operable during the time periods in which the inspections were not performed.

Corrective Actions

The following corrective actions have been taken to prevent a recurrence of these events:

1. The Fire Penetration List has been reformatted to list the area requiring inspection immediately followed by a list of associated open/degraded penetrations, by identifying number. The previous list included the penetration number and associated area, however the penetrations were not grouped by area.

2. The Firewatch Inspection Surveillance Procedure will be reviewed by April 15, 1991, and revisions made to the procedure and associated checklist as determined to be appropriate.

3. Appropriate counseling, retraining, and disciplinary actions were administered to the Security Officers involved with the events.

Additional Information

Equipment Failures: None

Similar Event Reports: None