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 FACIL:50-305 Kewaunee Nuclear Power Plant, Wisconsin Public Servic 05000305
 AUTH.NAME AUTHOR AFFILIATION
 DRESSEN,J.D. Wisconsin Public Service Corp.
 SCHROCK,C.A. Wisconsin Public Service Corp.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 92-012-00:on 920423, padlock for high radiation area gate found unsecured. Caused by defective padlock or personnel error. One isolated area of radiation found. Evaluation of different locking options underway. W/920526 ltr.

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INTERNAL:	ACNW		2	2		ACRS		2	2
	AEOD/DOA		1	1		AEOD/DSP/TPAB		1	1
	AEOD/ROAB/DSP		2	2		NRR/DET/EMEB 7E		1	1
	NRR/DLPQ/LHFB10		1	1		NRR/DLPQ/LPEB10		1	1
	NRR/DOEA/OEAB		1	1		NRR/DREP/PRPB11		2	2
	NRR/DST/SELB 8D		1	1		NRR/DST/SICB8H3		1	1
	NRR/DST/SPLB8D1		1	1		NRR/DST/SRXB 8E		1	1
	REG FILE 02		1	1		RES/DSIR/EIB		1	1
	RGN3 FILE 01		1	1					
EXTERNAL:	EG&G BRYCE, J.H		3	3		L ST LOBBY WARD		1	1
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NRC-92-064

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600 North Adams • P.O. Box 19002 • Green Bay, WI 54307-9002

May 26, 1992

10 CFR 50.73

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

Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Reportable Occurrence 92-012-00

In accordance with the requirements of 10 CFR 50.73, "Licensee Event Report System," the attached Licensee Event Report for reportable occurrence 92-012-00 is being submitted.

Sincerely,

A handwritten signature in cursive script that reads "C. A. Schrock".

C. A. Schrock
Manager-Nuclear Engineering

JDD\jac

Attach.

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

9205270002 920526
PDR ADOCK 05000305
S PDR

IE22
11

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Kewaunee Nuclear Power Plant										DOCKET NUMBER (2) 0 5 0 0 0 3 0 5 1 OF 0 4										PAGE 13	
TITLE (4) High Radiation Area Found Unsecured Due to Personnel Error or Mechanical Failure																					
EVENT DATE (8)			LER NUMBER (8)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)											
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES N/A						OCKET NUMBER(S) 0 5 0 0 0						
0 4	2 3	9 2	9 2	0 1	2	0 0	0 5	2 6							0 5 0 0 0						
OPERATING MODE (8) N			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)																		
POWER LEVEL (10) 0 7 2			20.402(b)				20.408(e)				50.73(e)(2)(iv)				73.71(b)						
			20.408(a)(1)(i)				50.38(e)(1)				50.73(e)(2)(v)				73.71(e)						
			20.408(a)(1)(ii)				50.38(e)(2)				50.73(e)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 365A)						
			20.408(a)(1)(iii)				50.73(e)(2)(i)				50.73(e)(3)(viii)(A)										
			20.408(a)(1)(iv)				50.73(e)(2)(ii)				50.73(e)(2)(viii)(B)										
			20.408(a)(1)(v)				50.73(e)(2)(iii)				50.73(e)(2)(ix)										
LICENSEE CONTACT FOR THIS LER (12)																					
NAME J. D. Dressen - Associate Engineer												TELEPHONE NUMBER AREA CODE 4 1 1 4 3 8 8 - 2 5 1 6 0									
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																					
CAUSE	SYSTEM	COMPONENT	MANUF. TURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUF. TURER	REPORTABLE TO NPRDS												
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15) N/A				MONTH	DAY	YEAR					
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO											
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)																					

At 1340 hours on April 23, 1992, with the plant at 72 percent power, a padlock for a high radiation area gate was found unsecured. An auxiliary operator (AO) was performing his routine plant rounds when he tugged on the padlock and it disengaged. The AO secured the door and notified the Health Physics department and the shift supervisor. A radiation survey was taken of the area and there was one isolated area where a dose rate of 2 R/hr was measured. All other surveys taken of the area were less than 100 mr/hr.

The cause of this event was determined to be either a defective padlock or personnel error to properly secure the padlock. The padlock was checked by the AO on routine rounds at 1100 on April 23 and it was secure. Later in the day at 1540, during his routine plant rounds he tugged on the lock, which appeared to be secure, and it disengaged. After speaking with Health Physics personnel and personnel who had access to the keys for the gate, it could not be determined if anyone had entered the room between 1100 and 1340. Immediately following the event the padlock was secured and the failure could not be repeated.

An evaluation is being performed to evaluate different locking options that would minimize the possibility for personnel errors or mechanical failures that could result in a similar event.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Kewaunee Nuclear Power Plant	DOCKET NUMBER (2) 0 5 0 0 0 3 0 5	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 2	— 0 1 2	— 0 0	0 2	OF	0 4

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

Description of Event

This report describes a violation of Kewaunee Technical Specification (TS) 6.13.1.b which states that each High Radiation Area (HRA) in which the intensity of radiation is greater than 1000 mr/hr shall have locked doors to prevent unauthorized entry into these areas.

On April 23, 1992, with the plant at 72 percent power, gate [GATE] 18 was found unsecured. Gate 18 provides access to the radwaste drumming area which is a HRA. Gate 18 is currently posted as a "Radiation Hazard Area, (1000 mr/hr or >)."

At approximately 0900 AM on April 23, 1992 personnel finished working in the radwaste drumming area. When the personnel exited the area, gate 18 was verified closed by 2 people. At approximately 1100 AM the Auxiliary Operator (AO) was on his routine plant rounds and as part of his rounds he checked the padlocks on the HRA enclosures. When he tugged on the padlock for gate 18 it remained secure. When the AO performed his routine plant rounds at approximately 1540 PM, the lock which appeared to be secure, was tugged on and disengaged.

After speaking with Health Physics personnel and personnel who had access to the keys for gate 18, it could not be determined who, if anyone entered the room between 1100 AM and 1540 PM.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Kewaunee Nuclear Power Plant	DOCKET NUMBER (2) 0 5 0 0 0 3 D 15	LER NUMBER (6)			PAGE (3)		
		YEAR 9 2	SEQUENTIAL NUMBER 0 1 2	REVISION NUMBER 0 0		OF	0 4

TEXT (If more space is required, use additional NRC Form 365A's) (17)

Cause of The Event

The cause of this event is either a defective padlock or personnel error to properly secure the padlock. Immediately following the event, the padlock was secured and tugged on and the failure could not be repeated.

Analysis of Event

This event is being reported in accordance with 10 CFR 50.73(a)(2)(i)(B) as a condition prohibited by Kewaunee Technical Specifications. Technical Specification 6.13.1.b requires HRAs with an intensity greater than 1 R/hr shall be locked to prevent unauthorized entry into these areas.

There were no apparent entries, authorized or unauthorized, into the radwaste drumming area between 1100 AM and 1540 PM. A radiation survey was taken of the radwaste drumming area and there was only one significant dose rate measured in the area. A dose rate of 2 R/hr was measured located at an inlet to a radwaste container which is not easily accessible. All other surveys taken of the area showed radiation levels to be less than 100 mr/hr. Although it was possible to receive a dose rate of 2 R/hr, this was in a remote area of the room. It can be reasonably concluded that if an unauthorized entry was made into the radwaste drumming area, it was unlikely that a significant dose would have been received. The Health Physics department did not note any significant dose rates logged on the April 23 log sheets and there were no significant doses from the personnel thermoluminescent Dosimeter monthly readings.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Kewaunee Nuclear Power Plant	05000305	92	012	00	04	OF	04

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

Corrective Actions

An evaluation is being performed to evaluate different locking options that would minimize the possibility for personnel errors or mechanical failures that could result in a similar event.

Additional Information

Equipment Failures: None.

Similar Events:

LER 85-014