Omaha Public Power District 1623 Harney Omaha, Nebraska 68102-2247 402/536-4000

January 10, 1990 LIC-90-0034

U. S. Nuclear Regulatory Commission Attn: Document Control Desk Mail Station P1-137 Washington, DC 20555

Reference: Docket No. 50-285

Gentlemen:

Subject: Licensee Event Report 89-023 for the Fort Calhoun Station

Please find attached Licensee Event Report 89-023 dated January 10, 1990. This report is being submitted per requirements of 10 CFR 50.73(a)(2)(i)(B).

If you should have any questions, please contact me.

Sincerely,

K. Ø. Morris Division Manager Nuclear Operations

KJM/tcm

Attachment

c: R. D. Martin, NRC Regional Administrator A. Bournia, NRC Project Manager P. H. Harrell, NRC Senior Resident Inspector INPO Records Center American Nuclear Insurers

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LICENSEE EVENT REPO		EST MAINFORM	APPROVED DA EXPIRE ATED BURDEN PER RE IMATION COLLECTION ENTS REGARDING BUHU EPORTS MANAGEMENT LATORY COMMISSION V APERWORK REDUCTION NAGEMENT AND BUDGE	ES: 4/30/92 ESPONSE TO REQUEST DEN ESTIM BRANCH I NASHINGTO N PROJECT	0 COMPLY WT 50.0 HRS. FO ATE TO THE RE (P-530), U.S. NL ON, DC 20555. 1 (3150-0104)	RWARD ECORDS JOLEAR AND TO OFFICE
FACILITY NAME (1)	DOCKET NUMBER (2)	1	LER NUMBER (6)	PAGE (PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	NUMBER		
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TEXT (If more space is required, use additional NRC Form 385A's/ (17)		dd				

Fort Calhoun Station Technical Specification 5.11.1 provides for high radiation area access controls which are approved alternatives to the requirements of 10 CFR 20.203(c)(2). One of the requirements specified for dose measurement is that any individual or group entering a high radiation area be provided with a radiation monitoring device which continuously integrates the radiation dose rate in the area and alarms when a preset integrating dose is received. This requirement is reflected in Radiation Protection Procedure RP-204 and appropriate Radiation Work Permits, and is normally met through the use of a XETEX Integrating Alarming Dosimeter. Radiation Work Permit (RWP) 89-673-1 specifically details radiological requirements for the Security Force with respect to Door and Alarm Checks.

On December 11, 1989, the plant was operating in mode 1 at 100 percent power. A Nuclear Security Sergeant (NSS) was assigned to perform an hourly firewatch patrol at approximately 1300 hours. One of the doors (989-4) listed on the Hourly Firewatch Patrol Log was to the Charging Pump Valve room (Room 7) in the Auxiliary Building. When entering Room 7 via access door 989-4, one must walk to the end of a shield wall to observe the equipment area of the room. The room was plainly posted as a high radiation area on door 989-4. Upon entry into the Auxiliary Building Radiation Control Area, the NSS signed in on the Pencil Dosimetry Log and reviewed RWP 89-673-1 prior to continuing the patrol. The NSS proceeded to door 989-4 but failed to recognize the high radiation area posting. Because of this failure to note that the room was a high radiation area, the NSS did not procure a XETEX Integrating Alarming Dosimeter prior to entry.

At approximately 1340 hours the NSS entered Room 7 via door 989-4, walked to the end of the bioshield wall, visually inspected the room, and immediately exited the area. The NSS was in the room for less than one minute. A Radiation Protection Technician who was touring the area noticed when the NSS exited the room that the NSS was not wearing a XETEX dosimeter. The NSS was asked about not wearing a XETEX dosimeter in a high radiation area. At that time the NSS realized that Room 7 was a posted high radiation area. When leaving the Radiation Controlled Area the NSS informed Radiation Protection personnel in the Radiation Protection office what had occurred. The Radiation Protection personnel then informed the Radiation Operations Coordinator of the incident. Upon return of the NSS to the security building, the Shift Security Supervisor was informed of the incident.

This event constituted a failure to comply with the high radiation area entry requirements of the Technical Specifications and station procedures. This report is submitted pursuant to the requirements of 10 CFR 50.73(a)(2)(i)(B).

Investigation and analysis revealed that the cause of this event was a cognitive personnel error by the NSS in failing to realize that Room 7 was a high radiation area. Lack of attention and carelessness resulted in failure to comply with high radiation area access controls. Training and posting associated with high radiation area access were determined to be adequate and not contributing factors.

NRC FORM 366A	u	S. NUCLEAR REGULATORY COMMISSION							
LICENSEE EVENT REPORT (LER) TEXT CONTINUATION		APPROVED OMB NO. 3150-0104 EXPIRES 4/30/92 ESTIMATED BURDEN PER RESPONSE TO COMPLY WTH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (PA30). U.S. NUCLEAR REGULATORY COMMISSION. WASHINGTON, DC 20565. AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.							
FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)				PAGE (3)			
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Fort Cal	hour Station Unit No. 1	0 5 0 0 0 2 8 5	8 9	-0	23	- 010	01	3 0F	0 3
The	following corrective actions	were completed:							
(1)	At 1445 hours on December 11 Room 7 near door 989-4 and t revealed a dose rate of less traversed by the NSS.	the shield wall was pe	erfor	med.	The s	urvey			
(2)	The Thermo-Luminescent Dosim authorization for the NSS to	meter (TLD) assigned to enter the Radiation	cont	e NSS rol A	was p rea wa	ulled s revol	and ked.		
(3)	The NSS was suspended from d completion. Following preli administered to the NSS.	luty pending managemen iminary investigation,	t in dis	vesti cipli	gation nary a	ction (was		
(4)	Briefings on high radiation personnel with assigned dosi		nts w	ere h	eld fo	ir			
(5)	All appropriate Security per have been reminded of the pr including entry requirements	ocedural requirements	for	fire					
was	lear safety was not impacted performed, although radiatio liological consequences were m oosure time.	on protection requirem	nents	were	not m	net. T	he	7	
ent	8 89-05 also described an entr ry requirements. LER's 87-26 very high radiation areas.	ry into a high radiati 5 and 88-01 described	ion a degr	rea w	ithout access	meeti contr	ng ols		