



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-4005**

May 13, 2003

EA-03-071

R. T. Ridenoure  
Division Manager - Nuclear Operations  
Omaha Public Power District  
Fort Calhoun Station FC-2-4 Adm.  
P.O. Box 550  
Fort Calhoun, Nebraska 68023-0550

**SUBJECT: FORT CALHOUN STATION NRC RADIATION PROTECTION INSPECTION  
AND NOTICE OF VIOLATION (INSPECTION REPORT 50-285/03-09 AND  
INVESTIGATION REPORT 4-2002-060) ERRATA**

Dear Mr. Ridenoure:

On May 6, 2003, it was brought to our attention by your staff that the number of security officers involved in the subject violation was in error in the original NRC Inspection Report 50-285/03-09 issued April 22, 2003. Instead of 30 security officers, there were only 14 individual security officers involved in the 62 violation occurrences. Please replace the affected pages of the original inspection report with the corrected pages enclosed with this letter.

Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

**//RA//**

Troy W. Pruett, Chief  
Plant Support Branch  
Division of Reactor Safety

Docket: 50-285  
License: DPR-40

Enclosures:  
Attached pages

Omaha Public Power District

-2-

cc w/enclosures:

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ADAMS: ☒ Yes ☐ No Initials: \_\_\_\_\_

☒ Publicly Available ☐ Non-Publicly Available ☐ Sensitive ☒ Non-Sensitive

DOCUMENT NAME: S:\DRS\REPORTS\FC2003-09-jbn-rep.wpd

RIV:DRS:SHP	C:PSB	DRP/C	ACES	DD:DRS
JBNicholas	TWPruett	CEJohnson	GFSanborn	DDChamberlain
/RA/	/RA/	PHHarrell for	RWise for	/RA/
5 / 9 /03	5 / 9 /03	5 / 12 /03	5 /12 /03	5 /12 /03
C:PSB				
TWPruett				
/RA/				
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## ENCLOSURE 1

### NOTICE OF VIOLATION

Omaha Public Power District  
Fort Calhoun Station

Docket No. 50-285  
License No. DPR-40  
EA-03-071

During a review of Condition Report CR-200203574 between March 5 and March 27, 2003, a violation of NRC requirements was identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," NUREG-1600, the violation is listed below:

Technical Specification 5.8.1.a states, in part, that written procedures shall be established, implemented, and maintained covering the applicable procedures recommended in Regulatory Guide 1.33, Revision 2, February 1978, Appendix A.

Regulatory Guide 1.33, Appendix A, Section 7.e.(1), recommends procedures for a radiation work permit (RWP) system.

Section 2.3.10 of Procedure RPP, "Radiation Protection Plan," Revision 20, states, in part, that each station individual is responsible for obeying the requirements in Standing Order SO-G-101, "Radiation Worker Practices." Section 5.7.1 of SO-G-101, Revision 20, states, in part, that RWPs are required for entry into any posted Radiologically Controlled Area (RCA). In addition, Section 5.8.2 of SO-G-101 states, in part, that persons entering a RCA shall read and understand the information provided and follow the requirements of the appropriate RWP, obtain an electronic alarming dosimeter (EAD), and proceed to the EAD reader and log in to the access computer (electronic sign in).

Contrary to the above, between April 27 and October 8, 2002, 14 security officers on 62 occasions deliberately did not read and understand the information provided and follow the requirements of RWP 02-004, did not obtain the EAD required when assigned to the Alpha 1 security post which was posted as a RCA, and did not electronically sign in on the required RWP.

This is a Severity Level IV violation. (Supplement IV)

Pursuant to the provisions of 10 CFR 2.201, Omaha Public Power District is hereby required to submit a written statement or explanation to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555 with a copy to the Regional Administrator, Region IV, and a copy to the NRC Resident Inspector at the facility that is the subject of this Notice of Violation (Notice), within 30 days of the date of the letter transmitting this Notice. This reply should be clearly marked as a "Reply to a Notice of Violation" and should include: (1) the reason for the violation, or, if contested, the basis for disputing the violation or severity level, (2) the corrective steps that have been taken and the results achieved, (3) the corrective steps that will be taken to avoid further violations, and (4) the date when full compliance will be achieved. Your response may reference or include previously docketed correspondence, if the correspondence adequately addresses the required response. If an adequate reply is not received within the time specified in this Notice, an order or a Demand for

## **SUMMARY OF FINDINGS**

Fort Calhoun Station  
NRC Inspection Report No. 50-285/03-09

IR 05000285/2003-009; Omaha Public Power District; March 5-27, 2003; Fort Calhoun Station;  
Review and inspection of Condition Report CR-200203574

A regional senior health physics inspector conducted the review and inspection of the licensee's investigation involving the events documented in Condition Report CR-200203574. Based on the results of the inspection and an investigation conducted by the NRC's Office of Investigation, the inspector identified the following significant finding. This finding was evaluated under the NRC Enforcement Policy because it involved a willful violation of NRC requirements.

### **Cornerstone: Occupational Radiation Safety**

- Severity Level IV. Several examples of a violation of Technical Specification 5.8.1.a for the failure to follow radiation protection procedure requirements were identified. Fourteen different security officers deliberately violated applicable radiation protection procedural requirements on 62 occasions by not signing in on the required radiation work permit (RWP) 02-004 and not obtaining an electronic alarming dosimeter when assigned to the Alpha 1 security post during the period of April 27 through October 8, 2002. This violation is being treated as a Severity Level IV violation consistent with the NRC Enforcement Policy. This violation is in the licensee's corrective action program as CR-200203574.

## Report Details

### **2 RADIATION SAFETY**

#### **Cornerstone: Occupational Radiation Safety [OS]**

##### 2OS1 Access Control to Radiologically Significant Areas (71121.01)

###### a. Inspection Scope

An inspector performed an in-office review of the licensee's investigation of several security officers who entered a remote radiologically controlled area (RCA) to determine if there were any issues contrary to regulatory requirements.

###### b. Findings

###### Introduction

Fourteen different security officers violated station procedures on 62 occasions by not signing in on the required radiation work permit (RWP) 02-004 and by not obtaining the required electronic alarming dosimeter (EAD) needed when assigned to the Alpha 1 security post. The failure to comply with station procedures is a violation of Technical Specification 5.8.1.a.

###### Description

On December 3, 2002, the licensee provided the results of their investigation of a series of events involving security officers which occurred between April 27 and October 8, 2002. Based on the results of the investigation, the licensee determined that 14 different security officers had willfully violated radiation protection procedural requirements on 62 occasions by not signing in on the required RWP 02-004 and by not obtaining the required EAD needed when assigned to the Alpha 1 security post. The Alpha 1 security post was located in a posted remote RCA in accordance with Procedure RP-204, "Radiation Area Controls." The area was barricaded with a magenta and yellow rope and was posted as an RCA with a sign stating "CAUTION, RWP REQUIRED FOR ENTRY, TLD and DOSIMETRY REQUIRED FOR ENTRY." The posting was hung across the entry to the area where the Alpha 1 security post was located and would be difficult to miss by anyone passing through the door.

On January 13, 2003, the Office of Investigations, Region IV, reviewed your investigation report and agreed with your conclusion that several security officers had deliberately violated radiation protection procedures as described above.

###### Analysis

It was determined this failure to comply with the RCA posting and RWP requirements was willful. The finding was more than minor because it involved a deliberate violation of NRC requirements.

## Enforcement

Technical Specification 5.8.1.a states, in part, that written procedures shall be established, implemented, and maintained covering the applicable procedures recommended in Regulatory Guide 1.33, Revision 2, February 1978, Appendix A. Regulatory Guide 1.33, Appendix A, Section 7.e.(1), recommends procedures for a radiation work permit system. Section 2.3.10 of Procedure RPP, "Radiation Protection Plan," Revision 20, states, in part, that each station individual is responsible for obeying the requirements of Standing Order SO-G-101, "Radiation Work Practices." Section 5.7.1 of SO-G-101, Revision 20, states, in part, that RWPs are required for entry into any posted RCA. In addition, Section 5.8.2 of SO-G-101 states, in part, that persons entering a RCA shall obtain an understanding of the information provided and the requirements of the appropriate RWP and obtain an electronic alarming dosimeter (EAD).

Contrary to the above, between April 27 and October 8, 2002, 14 security officers on 62 occasions deliberately did not read and understand the information provided and follow the requirements of RWP 02-004, did not obtain an EAD required when assigned to the Alpha 1 security post which was posted as a RCA, and did not electronically sign in on the required RWP. The finding was entered into the licensee's corrective action program as CR-200203574. This deliberate violation is being treated as a Severity Level IV violation, consistent with the NRC Enforcement Policy. (NOV 50-285/2003-09-01)

### 4OA6 Management Meetings

#### Exit Meeting Summary

The inspector presented the inspection results to Mr. J. Sefick, Manager, Security, and other members of the licensee's staff during a telephonic exit meeting on March 27, 2003. The licensee acknowledged the findings presented.

The inspector asked the licensee whether any materials examined during the inspection should be considered proprietary. No proprietary information was identified.