



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-8064

September 14, 1999

J. H. Swailes, Vice President of  
Nuclear Energy  
Nebraska Public Power District  
P.O. Box 98  
Brownville, Nebraska 68321

SUBJECT: NRC INSPECTION REPORT NO. 50-298/99-08

Dear Mr. Swailes:

On August 20, 1999, the NRC completed a routine pilot program inspection at your Cooper Nuclear Station reactor facility. The results of the inspection were discussed with Mr. B. Dettman and other members of your staff at the completion of the inspection. The enclosed report presents the results of this inspection.

The inspection focused on the implementation and effective performance of the Access Authorization/Fitness-for-Duty (Behavior Observation) program, the Access Control of personnel, packages, and vehicles into the protected and vital areas and the Performance Indicators. Based on the results of this inspection, the NRC did not identify any issues through the risk significance determination process.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be placed in the NRC Public Document Room.

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

Sincerely,

Original signed by

Gail M. Good, Chief  
Plant Support Branch  
Division of Reactor Safety

Docket No.: 50-298  
License No.: DPR-46

Enclosure:  
NRC Inspection Report No.  
50-298/99-08

cc w/enclosure:  
G. R. Horn, Senior Vice President  
of Energy Supply  
Nebraska Public Power District  
1414 15th Street  
Columbus, Nebraska 68601

John R. McPhail, General Counsel  
Nebraska Public Power District  
P.O. Box 499  
Columbus, Nebraska 68602-0499

B. L. Houston, Nuclear Licensing  
and Safety Manager  
Nebraska Public Power District  
P.O. Box 98  
Brownville, Nebraska 68321

Dr. William D. Leech  
MidAmerican Energy  
907 Walnut Street  
P.O. Box 657  
Des Moines, Iowa 50303-0657

Ron Stoddard  
Lincoln Electric System  
1040 O Street  
P.O. Box 80869  
Lincoln, Nebraska 68501-0869

Michael J. Linder, Director  
Nebraska Department of Environmental  
Quality  
P.O. Box 98922  
Lincoln, Nebraska 68509-8922

Chairman  
Nemaha County Board of Commissioners  
Nemaha County Courthouse  
1824 N Street  
Auburn, Nebraska 68305

Cheryl K. Rogers, Program Manager  
Nebraska Health and Human Services System  
Division of Public Health Assurance  
Consumer Services Section  
301 Centennial Mall, South  
P.O. Box 95007  
Lincoln, Nebraska 68509-5007

Ronald A. Kucera, Director  
of Intergovernmental Cooperation  
Department of Natural Resources  
P.O. Box 176  
Jefferson City, Missouri 65102

Jerry Uhlmann, Director  
State Emergency Management Agency  
P.O. Box 116  
Jefferson City, Missouri 65101

Kansas Radiation Control Program Director

**ENCLOSURE**

U.S. NUCLEAR REGULATORY COMMISSION  
REGION IV

Docket No.: 50-298  
License No.: DPR-46  
Report No.: 50-298/99-08  
Licensee: Nebraska Public Power District  
Facility: Cooper Nuclear Station  
Location: P.O. Box 98  
Brownville, Nebraska  
Dates: August 16-20, 1999  
Inspector: Thomas W. Dexter, Senior Physical Security Specialist  
Approved By: Gail M. Good, Chief, Plant Support Branch

## SUMMARY OF FINDINGS

Cooper Nuclear Station  
NRC Inspection Report No. 50-298/99-11

This announced inspection by a regional senior physical security specialist focused on the effective implementation of the Access Authorization/Fitness-for Duty (Behavior Observation) program and the access control of personnel, packages, and vehicles into the protected and vital areas.

### **Cornerstone: Physical Protection**

- No findings.

## Report Details

### **3. SAFEGUARDS**

#### 3PP1 Access Authorization

##### a. Inspection Scope

The inspector interviewed eight supervisors and seven individuals who had escorted visitors into the protected and/or vital areas to determine their knowledge of behavior observation responsibilities. Procedures concerning the behavior observation program, access authorization, fitness-for-duty and general employee annual requalification were also reviewed.

##### b. Observations and Findings

There were no findings identified and documented during this inspection.

#### 3PP2 Access Control (Identification, Authorization and Search of Personnel, Packages, and Vehicles)

##### a. Inspection Scope

The inspector reviewed procedures for granting access to the protected and vital areas, reviewed maintenance and testing procedures, verified a program was in place for controlling and accounting for hard keys to vital areas, observed licensee testing, observed security personnel controlling access, and interviewed security personnel concerning the following access control equipment:

- Explosive and Metal Detectors
- X-Ray Devices
- Personal Identification Number and Key Card Readers

The inspector also conducted random observations of security personnel responsible for access control measures for packages and vehicles that entered the protected area.

##### b. Observations and Findings

There were no findings identified and documented during this inspection.

#### 4. OTHER ACTIVITIES

##### 4OA1 Identification and Resolution of Problems

###### a. Inspection Scope

The inspector randomly selected and reviewed licensee records involving self-assessments, security loggable events, and maintenance work requests for the licensee's access authorization and access control programs. Also, the inspector interviewed the security manager and security supervisors to determine their knowledge and use of the licensee's Problem Identification Reports and Nuclear Action Item Tracking/Trending System.

###### b. Observations and Findings

There were no findings identified and documented during this inspection.

##### 4OA2 Performance Indicator Verification

###### a. Inspection Scope

The inspector reviewed the licensee's program for the collection and submittal of data for the Fitness-for-Duty Personnel Reliability, Personnel Screening Performance Indicators, and Protected Area Security Equipment Performance Index. Specifically, a random sampling of security event reports, maintenance logs, alarm history logs and problem identification reports were reviewed. In addition, the licensee's security tracking, trending, and analyses of perimeter security equipment problems were reviewed.

###### b. Observation and Findings

There were no findings identified and documented during this inspection.

##### 4OA5 Management Meetings

###### Exit Meeting Summary

The inspector presented the inspection results to members of licensee management at the conclusion of the inspection on August 20, 1999. No proprietary information was identified.

## PARTIAL LIST OF PERSONS CONTACTED

### Licensee

R. Beilke, Licensing Engineer  
L. Bray, Licensing Specialist  
P. Carlock, Security Operations Specialist  
B. Dettman, Security Manager  
M. Hamm, Security Operations Supervisor  
J. Harrington, Security Services Supervisor  
C. Langan, Quality Assurance Auditor  
B. Toline, Quality Assurance Audit Supervisor

### Visitor

D. Dryden, Licensing, Fort Calhoun Station

### NRC

G. Good, Chief, Plant Support Branch

## ITEMS OPENED, CLOSED, AND DISCUSSED

None

## DOCUMENTS REVIEWED

Administrative Procedure 0-FFD-01, "NPG Fitness for Duty Program," Revision 1, 07/15/99

Risk Significant Determination Screening Process, SS1.1, Revision 0

Fitness-for-Duty Procedure FFD 1.2, "Collection Site Person Training," Revision 0

Fitness-for-Duty Procedure FFD 2.3, "Random Selection Procedure," Revision 0

Security Services Procedure SS 3.0, "Access Authorization Program for Cause Testing Records on Seven Individuals"

Reviewed Fitness-for-Duty and Access Authorization Training in the Plant Access Training Information Manual, Revision 18, and the Behavior Observation Program installed in the computer for General Employee Training

Cooper Nuclear Station Security Procedure 2.11, "Equipment Testing - General," Revision 12.3, 05/09/96

Cooper Nuclear Station Security Procedure 2.11.2, "Equipment Testing - Access," Revision 4.3, 05/05/94



Cooper Nuclear Station Security Procedure 2.8, "Key and Locks," Revision 25, 04/28/99

Security Maintenance Work Request Logs for all access control equipment in the primary access point

Cooper Nuclear Station Security Procedure 2.5, "Personnel Entry/Exit," Revision 15.7, 03/15/99

Cooper Nuclear Station Security Access/FFD Cornerstone Performance Data Collection Guide

Performance Indicator Data Records for Fitness-for-Duty Program, Access Authorization Program and the Perimeter Intrusion Detection and Assessment Aids Program

Approximately 40 Problem Identification Reports