



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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

October 14, 1999

S. K. Gambhir, Division Manager  
Division Manager, Nuclear Operations  
Omaha Public Power District  
Fort Calhoun Station FC-2-4 Adm.  
P.O. Box 399  
Hwy. 75 - North of Fort Calhoun  
Fort Calhoun, Nebraska 68023-0399

SUBJECT: NRC INSPECTION REPORT NO. 50-285/99-09

Dear Mr. Gambhir:

On September 17, 1999, the NRC completed an inspection at your Fort Calhoun reactor facility. The results of the inspection were discussed on September 17, 1999, with Mr. Phelps and other members of your staff at the completion of the inspection. The enclosed report presents the results of this inspection.

The inspection was an examination of activities conducted under your license as they relate to physical protection, compliance with the commission's rules and regulations, and with the conditions of your license. Within these areas, the inspection consisted of a selective examination of procedures and representative records, observation of activities, and interviews with personnel. Specifically, this inspection focused on the implementation of your response to contingency events involving physical protection of vital equipment. The inspectors also reviewed the Protected Area Security Equipment Performance Index (Performance Indicator). During this inspection, no safety significant issues were identified.

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.: 50-285  
License No.: DPR-40

Enclosure:  
NRC Inspection Report No.  
50-285/99-09

cc w/enclosure:  
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**ENCLOSURE**

U.S. NUCLEAR REGULATORY COMMISSION  
REGION IV

Docket No.: 50-285  
License No.: DPR-40  
Report No.: 50-285/99-09  
Licensee: Omaha Public Power District  
Facility: Fort Calhoun Station  
Location: Fort Calhoun Station FC-2-4 Adm.  
P.O. Box 399, Hwy. 75 - North of Fort Calhoun  
Fort Calhoun, Nebraska  
Dates: September 13-17, 1999  
Inspectors: Thomas W. Dexter, Senior Physical Security Specialist  
Dennis W. Schaefer, Physical Security Specialist  
Approved By: Gail M. Good, Chief, Plant Support Branch

SUMMARY OF FINDINGS

Fort Calhoun Station  
NRC Inspection Report No. 50-285/99-09

This announced inspection by a regional senior physical security specialist and a regional physical security specialist focused on the licensee's effective implementation of its protective strategy when required to respond to contingency events.

**CORNERSTONE: PHYSICAL PROTECTION - Response to Contingency Events**

- No findings

## Report Details

### **3. SAFEGUARDS**

#### 3PP3 Response to Contingency Events

##### a. Inspection Scope

The inspectors reviewed the licensee's current protective strategy including the target set analysis and response force procedures. The protected area intrusion detection system was evaluated to determine if vulnerabilities could be identified. Identified potential vulnerabilities were tested by the licensee to determine if they were exploitable. The inspectors toured the vital areas, the defensive positions, and evaluated the training of the central and secondary alarm station operators. The inspectors conducted two table top exercises with security supervisors and selected three individuals to demonstrate tactical firing at the range with handguns and contingency weapons. The quality of the assessment aids was evaluated to determine if the alarm station operators could clearly recognize a threat in the intrusion detection zones.

##### b. Observations and Findings

There were no findings identified during this inspection.

### **4 OTHER ACTIVITIES**

#### 4OA1 Identification and Resolution of Problems

##### a. Inspection Scope

The inspectors randomly selected and reviewed licensee records for the period of January 1,- September 1, 1999, involving self-assessments, security loggable events, maintenance work requests and condition reports for the intrusion detection system involving the protected and vital areas, assessment aids, and security drills and exercises.

##### b. Observations and Findings

There were no findings identified during this inspection.

#### 4OA2 Performance Indicator Verification

##### a. Inspection Scope

The inspectors reviewed the licensee's program for the collection and submittal of data for the Protected Area Security Equipment Performance Index. Specifically, a random sampling of the licensee's tracking, trending, and analysis of perimeter security equipment problems coupled with alarm history logs and problem identification reports were reviewed.

b. Observations and Findings

There were no findings identified 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 September 17, 1999. The licensee acknowledged the findings presented. No proprietary information was identified.



## PARTIAL LIST OF PERSONS CONTACTED

### Licensee

A. Clark, Security Coordinator  
G. Cavanaugh, Nuclear Licensing  
D. Dryden, Licensing Engineer, Licensing  
K. Dowdy, Maintenance Rule Coordinator  
M. Frans, Manager, Nuclear Licensing  
D. Gross, Supervisor, Access Authorization  
B. Hansher, Supervisor, Licensing  
R. Jaworski, Manager, Design Engineering  
J. Johnson, Maintenance Rule Program Engineer  
B. Kindred, Supervisor, Nuclear Security Operations  
W. Lawson, Security Shift Supervisor  
D. Leiber, Supervisor, Security Support Services  
D. Montgomery, Nuclear Assessment, Quality Assurance/Quality Control  
R. Phelps, Division Manager, Nuclear Engineering  
H. Sefick, Manager, Security and Emergency Planning  
R. Short, Assistant Plant Manager  
C. Simmon, Supervisor, Emergency Planning  
J. Spilker, Manager, Corrective Actions Program  
S. Swearngin, Supervisor, Reliability Engineering  
J. Tills, Assistant Plant Manager

### NRC

C. Clark, Maintenance Inspector  
V. Gaddy, Resident Inspector  
D Powers, Chief, Engineering and Maintenance Branch

## ITEMS OPENED, CLOSED, AND DISCUSSED

None

## DOCUMENTS REVIEWED

Fort Calhoun Station Protected Area Security Equipment Performance Indicator Quarterly Chart covering 2<sup>nd</sup> Quarter 1997 into the 3<sup>rd</sup> Quarter 1999

Security Drill Critiques for all security shifts conducted since January 1, 1999

Security Force-on-Force exercises conducted during calendar years 1998 and 1999

Licensee Self Assessment of Security Program dated July 20, 1999

Quality Assurance Audit Report No. 6, Site Security Plan and Contingency Plan, 99-QA/QC-074 dated July 13, 1999

Quality Assurance Audit Report No. 6, Site Security Plan and Contingency Plan, 98-QA/QC-103 dated August 14, 1998

Security Self Assessment Report dated April 14, 1997

Security Maintenance Tracking Weekly Report from January 1 through September 13, 1999

Security Incident Report Logs for the 3<sup>rd</sup> and 4<sup>th</sup> Quarters of 1998 and the 1<sup>st</sup> Quarter of 1999

Condition Reports 199900682, 199900819, 199900873, 199900900, 199901005, 199901035, 199901048, 199901154, 199901267, 199901345, 199901730, 199901732, and 199901769

Security Equipment Testing and Maintenance Procedure, SETP-1A, Revision 19, dated June 3, 1999

Security Contingency Procedure, "Response to Safeguards Contingencies," SCP-01, Revision 4, dated August 20, 1999

Security Contingency Procedure, "Security Conditions," SCP-02, Revision 4, dated August 13, 1999

Security Contingency Procedure, "Operations Safeguards Contingency Response," SCP-03, Revision 4, dated April 21, 1999

Fort Calhoun Station Site Security Plan, Revision 16C, dated August 11, 1999

Fort Calhoun Station Security Training and Qualification Plan, Revision 6, dated March 4, 1999

Fort Calhoun Station Safeguards Contingency Plan, Revision 2, dated March 4, 1999