

ENCLOSURE

U.S. NUCLEAR REGULATORY COMMISSION  
REGION IV

Docket No.: 50-482  
License No.: NPF-42  
Report No.: 50-482/98-18  
Licensee: Wolf Creek Nuclear Operating Corporation  
Facility: Wolf Creek Generating Station  
Location: 1550 Oxen Lane, NE  
Burlington, Kansas  
Dates: September 21-25, 1998  
Inspector(s): D. W. Schaefer, Security Specialist, Plant Support Branch  
Approved By: Blaine Murray, Chief, Plant Support Branch  
Division of Reactor Safety  
Attachment: Supplemental Information

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## EXECUTIVE SUMMARY

### Wolf Creek Generating Station NRC Inspection Report 50-482/98-18

This was an announced inspection of the licensee's physical security program. The areas inspected included access authorization, alarm stations, communications, assessment aids, security program plans and procedures, security event logs, management support, security program audits, and miscellaneous security and safeguards issues.

#### Plant Support

- Performance in the physical security and access authorization areas was very good. An excellent access authorization program had been established to grant individuals unescorted access to protected and vital areas. The security alarm stations were redundant and well protected. Some minor problems were identified with the security radio communication system. Installation of a new radio trunk system in 1999 should improve the communication capability. A very good program for searching personnel, packages, and vehicles was maintained. Assessment aids were very good and provided complete assessment of the perimeter detection zones. Changes to security plans were reported within the required time frame and properly implemented in accordance with 10 CFR 50.54(p). A very good security event reporting program was in place. Senior management support for the security organization was very good as demonstrated by ongoing support for improved equipment and facilities. Audits of the security, access authorization, and fitness-for-duty programs were effective, thorough, and intrusive. (Sections S1.1, S1.2, S1.3, S2.1, S3.1, S3.2, S6.1 and S7.1)

Report Details

IV. Plant Support

**S1 Conduct of Security and Safeguards Activities**

SI.1 Access Authorization

a. Inspection Scope (8 i 700)

The Access Authorization Program was inspected to determine compliance with the requirements of the security plan and Regulatory Guide 5.66. The areas inspected included the review of background investigation files for individuals presently granted unescorted access. Six background investigation files were reviewed.

b. Observations and Findings

The inspector reviewed records and conducted interviews to determine the adequacy of the program. The inspector also reviewed information concerning the licensee's verification of identity, employment history, educational history, credit history, criminal history, military service, and the character and reputation of the applicants before granting individuals unescorted access to protected and vital areas. Background investigation screening files were complete and thorough.

c. Conclusions

An excellent access authorization program had been established to grant individuals unescorted access to protected and vital areas.

SI.2 Alarm stations

a. Inspection Scope (81700)

The alarm stations were inspected to determine compliance with the requirements of the security plan. The areas inspected included the requirements and capabilities of the alarm stations, redundancy and diversity of stations, protection of the alarm stations, and systems security.

b. Observations and Findings

The inspector verified the redundancy and diversity of the alarm stations. Action by one alarm station operator could not reduce the effectiveness of the security systems without the knowledge of the other alarm station operators. The central alarm station and secondary alarm station were bullet resistant. The inspector questioned the station operators and determined that they were properly trained and knowledgeable of their duties.



The licensee has approved the installation of a new security computer system. When installed in 1999, this system should provide additional enhancements to the overall security program.

c. Conclusions

The security alarm stations were redundant and well protected. Alarm station operators were alert and well trained. A new security computer system scheduled to be installed in 1999 will provide additional enhancements to the overall security program.

S1.3 Communications

a. Inspection Scope (81700)

The communication capabilities were inspected to determine compliance with the requirements of the security plan. The areas inspected included the operability of radio and telephone systems, and the capability to effectively communicate with the local law enforcement agencies through both of the systems.

b. Observations and Findings

The inspector verified that the licensee had adequate radio and telephone systems capable of meeting all communication requirements of the security organization. The licensee maintained an adequate number of portable radios for use by members of the security organization. The inspector observed that some of the portable radios had difficulty communicating with the alarm stations. Additionally, some of the radio batteries, though well maintained, provided insufficient power to the radios. The licensee had approved the installation of a new 900-MHz radio system. When installed in 1999, the security organization will operate a separate radio trunk system.

c. Conclusions

Some minor problems were identified with the security radio communication system. Installation of a new radio trunk system in 1999 should improve the communication capability.

S1.4 Protected Area Access Control of Personnel, Packages, and Vehicles

a. Inspection Scope (81700-02.01)

The access control program for personnel, packages, and vehicles was inspected to determine compliance with the requirements of the security plan.

b. Observations and Findings

The inspector determined through observations at the primary and secondary access facilities and at the vehicle sallyport that the licensee properly controlled access of personnel, packages, and vehicles to the protected area. The protected area access

control equipment was inspected and found to be functional and well maintained. The inspector also observed use of the X-ray machine and search of packages and material. The operators were efficient and well trained.

c. Conclusions

A very good program for searching personnel, packages, and vehicles was maintained.

**S2 Status of Security Facilities and Equipment**

S2.1 Assessment Aids

a. Inspection Scope (81700)

The inspector reviewed the assessment aids to determine compliance with the physical security plan. The areas inspected included the closed-circuit television monitors located in the alarm stations.

b. Observations and Findings

The inspector observed the assessment aids and determined that the system was very good. The inspector verified through observation that the fixed closed-circuit television cameras were positioned to ensure proper coverage of the perimeter security alarm zones. The video capture system enhanced the licensee's ability to immediately identify the cause of perimeter security alarms. The inspector determined that very good maintenance support was provided to ensure that system problems were corrected in a timely manner.

c. Conclusions

Assessment aids were very good and provided complete assessment of the perimeter detection zones. The video capture system provided enhanced ability to determine the cause of perimeter security alarms.

**S3 Security and Safeguards Procedures and Documentation**

S3.1 Security Program Plans and Procedures

a. Inspection Scope (81700)

The physical security plan and the implementing procedures were inspected to determine compliance with the requirements of 10 CFR 50.54(p) and the physical security plan.

b. Observations and Findings

The inspector determined that plan changes were submitted to the NRC within the required time frame and the changes did not reduce the effectiveness of the plan. The inspector reviewed five implementing procedures for adequacy, verified that the licensee maintained an effective management system for the development and administration of procedures, and that changes to the procedures did not reduce the effectiveness of the security program.

c. Conclusions

Changes to security plans were reported within the required time frame and properly implemented in accordance with 10 CFR 50.54(p). Implementing procedures met the performance requirements in the physical security plan.

S3.2 Security Event Logs

a. Inspection Scope (81700)

The inspector reviewed safeguards event logs and security incident reports to determine compliance with the requirements of 10 CFR 73.21(b) and (c), 10 CFR 26.73, and the physical security plan.

b. Observations and Findings

The inspector reviewed the Safeguards Event Logs from October 1, 1997, through August 31, 1998. The records were available for review and maintained for the time required by regulations. The inspector determined that the licensee conformed to the regulatory requirements regarding the reporting of security events. The inspector also reviewed eleven Security Incident Reports. The logs and supporting reports were accurate, neat, and contained sufficient detail for the reviewer to determine reportability and corrective action taken. The licensee's records included trending and analysis of events.

c. Conclusions

A very good security event reporting program was in place. The security staff was correctly reporting security events. The security field reports were accurate and neat.

**S6 Security Organization and Administration**

S6.1 Management Support

a. Inspection Scope (81700)

The effectiveness and adequacy of management support were inspected to determine the degree of management support for the physical security program.



b. Observations and Findings

The inspector determined by discussions with security force personnel that the security program received very good support from senior management as demonstrated by ongoing support for improved equipment and facilities. The inspector determined that the security program was implemented by a trained and qualified security staff. All members of the security organization had a clear understanding of their duties and responsibilities.

c. Conclusions

Senior management support for the security organization was very good. The security program was implemented by a well trained and highly qualified staff.

**S7 Quality Assurance in Security and Safeguards Activities**

S7.1 Security Program Audits

a. Inspection Scope (81700)

The audits of the security program were inspected to determine compliance with the requirements of 10 CFR 50.54(p) and the physical security plan.

b. Observations and Findings

The inspector verified that security program, access authorization, and fitness-for-duty audits had been conducted at the proper interval. The inspector reviewed the Quality Assurance and Plant Evaluation Reports listed in the attachment. The inspector interviewed audit personnel and confirmed that they were independent of plant security management and plant security management supervision. The inspector determined that the audits of the Security Plan and Contingency Plan, and the access authorization and fitness-for-duty programs were effective, thorough, and intrusive.

c. Conclusions

Audits of the security, access authorization, and fitness-for-duty programs were effective, thorough, and intrusive.

**S8 Miscellaneous Security and Safeguards issues (92904)**

S8.1 Information Notice 98-05: Criminal History Record Information

Information Notice 98-05 dated February 11, 1998, was issued to alert licensees to a recent clarification of the legal constraints associated with Criminal History Record Information from the Federal Bureau of Investigation (FBI). Specifically, the FBI has reiterated its position that this information provided by the FBI to the NRC and its licensees may not be released to third parties, such as contractors.

During this inspection, the licensee indicated that they had received this Notice and had reviewed it for applicability. Upon receipt of this Notice, the licensee immediately took actions to preclude access of criminal history record information to contractors. The inspector concluded that sufficient provisions are in place to assure that only licensee personnel have access to FBI criminal history record information.

S8.2 Information Notice 98-35: Threat Assessments and Consideration of Heightened Physical Protection Measures

Information Notice 98-35 dated September 4, 1998, was issued to inform licensees of factors considered by the NRC when assessing threats and disseminating that information to the licensees. Additionally, the Notice advised licensees of the NRC's suggestion of what additional physical protection measures should be considered for specific threat conditions. The Notice discussed threat levels and appropriate response levels in an effort to avoid misunderstanding of future NRC threat advisories and to facilitate an appropriate and comparable level of physical protection response throughout the nuclear industry.

During this inspection, the licensee stated they had received this Notice and had reviewed it for applicability.

**V. Management Meetings**

**XI Exit Meeting Summary**

The inspector presented the inspection results to members of licensee management at the conclusion of the inspection on September 25, 1998. The licensee acknowledged the findings presented. No proprietary information was identified.



ATTACHMENT

SUPPLEMENTAL INFORMATION

PARTIAL LIST OF PERSONS CONTACTED

Licensee

C. Warren, Chief Operating Officer  
J. Birk, Acting Supervisor, Access Screening  
G. Burkhart, Manager, Human Resources  
D. Claridge, Senior Engineer, Licensing  
V. Canales, Supervisor, Supplier Materials Quality  
K. Davison, Manager, Integrated Plant Scheduling  
D. Erbe, Superintendent, Security  
D. Fehr, Acting Manager, Resource Protection  
S. Good, Coordinator, Security Administration  
T. Harris, Supervisor, Licensing  
S. Koenig, Acting Manager, Performance Improvements and Assessments  
L. Litch, Auditor, Quality Evaluations  
B. McKinney, Plant Manager  
M. McKinney, Security Investigator  
G. Miller, Acting Supervisor, Quality Evaluations  
T. Morrill, Assistant to Manager Human Resources  
L. Stevens, Supervisor, Nuclear Safety Engineering

NRC

B. Smallridge, Resident Inspector

INSPECTION PROCEDURES USED

IP 81700      Physical Security Program for Power Reactors  
IP 92904      Follow-up - Plant Support

**LIST OF ITEMS OPENED, CLOSED AND DISCUSSED**

Items Opened

None

Items Closed

None

Items Discussed

None

**LIST OF DOCUMENTS REVIEWED**

Safeguards Event Logs from October 1, 1997 through August 31, 1998

Background investigation records for six individuals granted unescorted access authorization

Quality Assurance Audit K-496, "Security and Visitor Control," dated September 15, 1998

Quality Assurance Audit K-498, "Access Authorization/Fitness For Duty/Personnel Access Data System, draft report

Plant Evaluation Report, "Observation of Contingency Drills," dated January 9, 1998

Security Procedures

- SEC 01-102, Security Communications, Revision 11
- SEC 01-110, CAS/SAS Operational Duties, Revision 20
- SEC 01-111, Security Data Management System, Revision 9
- SEC 01-204, ACAD Preparation and Maintenance, Revision 30