

APPENDIX

U.S. NUCLEAR REGULATORY COMMISSION
REGION IV

NRC Inspection Report: 50-482/88-03 Operating License: NPF-42

Docket: STN 50-482

Licensee: Wolf Creek Nuclear Operating Corporation (WCNOC)
P.O. Box 411
Burlington, Kansas 66839

Facility Name: Wolf Creek Generating Station (WCGS)

Inspection At: WCNOC Office, Wichita, Kansas
WCGS Site, Burlington, Coffey County, Kansas

Inspection Conducted: January 25-29, 1988

Inspector: *Russell Wise* 2/18/88
R. Wise, Radiation Specialist, Facilities Date
Radiological Protection Section

Approved: *Blaine Murray* 2/19/88
B. Murray, Chief, Facilities Radiological Date
Protection Section

Inspection Summary

Inspection Conducted January 25-29, 1988 (Report 50-482/88-03)

Areas Inspected: Routine, unannounced inspection of the licensee's radiological environmental monitoring program (REMP).

Results: Within the areas inspected, no violations or deviations were identified.

DETAILS1. Persons ContactedWCNOC

- *R. Hagan, Manager, Nuclear Services
- *C. Swartzendruber, Manager, Radiological Services
- R. Potter, Manager, Supplier Quality Engineering
- *M. Charlton, Supervisor, Supplier Quality Engineering
- W. Ketchum, Lead Engineer, Radiological Services
- *V. King, Senior Engineer, Radiological Services
- L. Cook, Lead Auditor, Supplier Surveillance
- K. Moles, Manager, Emergency Planning

WCGS

- **G. Wedd, Supervisor, Environmental Management
- B. Vince, Engineering Specialist I, Environmental Management
- C. Patrick, Supervisor, Quality Evaluations
- W. Lindsay, Supervisor, Quality Systems
- C. Royse, Training Coordinator, Quality Division
- G. McClelland, Lead Auditor, Quality Division
- C. Fowler, Supervisor, Instruments and Controls (I&C)
- R. Downs, Engineering Specialist III, Crew Leader, I&C
- M. Nichols, Radiation Protection Manager
- T. Morrill, Health Physics Supervisor

*Denotes those present during the exit interview on January 29, 1988.

**Denotes those present during the pre-exit interview at WCGS on January 28, 1988.

2. Organization and Management Controls (83522/83722)

The licensee's organization and assignment of REMP responsibilities were reviewed to verify compliance with Technical Specifications (TS), Section 6, requirements and agreement with commitments in the Updated Safety Analysis Report (USAR), Section 13.

The organizational structure within WCNOC Nuclear Services Division and the WCGS Environmental Assessment Group was as defined in TS. The responsibility for management of the REMP is assigned to the WCNOC Manager, Nuclear Services at the corporate level. The current organization structure and staffing appear sufficient to meet REMP requirements.

WCNOC procedures, implementing instructions, and position descriptions were reviewed for the assignment of responsibilities for the management and implementation of the REMP. Current management controls as described

in these procedures and implementing instructions appear adequate for management of the responsibilities associated with the REMP requirements.

No violations or deviations were identified.

3. Training and Qualifications (E-523/83723)

Selected training and qualifications records for the WCNOG Radiological Services, WCNOG Supplier Quality Branch, WCGS Environmental Management, and the WCGS Quality Evaluations Division were reviewed to verify agreement with requirements of TS, Sections 6.3 and 6.4, and commitments in the USAR, Section 13.2.

The WCGS Environmental Management staff is responsible for collection, documentation, and shipment of the REMP samples collected around the WCGS site. Training relating to the REMP sampling is on-the-job training and documentation was complete for staff members performing tasks associated with the REMP.

The WCNOG Radiological Services staff periodically accompany the WCGS personnel during sample collection and preparation to stay current with established procedures.

Additional training for staff development is accomplished through the attendance at industry sponsored seminars and classes associated with environmental monitoring.

No violations or deviations were identified.

4. Audits (80521/80721)

The licensee's audit program was reviewed to verify compliance with requirements of TS, Section 6.5, and agreement with commitments in the USAR, Section 13.4.

Environmental program audits are conducted annually by the WCGS Quality Assurance staff. The following audits were reviewed:

- ° KGE QA Audit 50140-K117, June 16 through July 11, 1986
- ° WCNOG QA Audit 50140-K168, June 4 through June 12, 1987

Audit procedures and checklists were reviewed and it was determined that audit reports were reviewed by management. Responses to audit findings had been completed and documented in a timely manner.

The NRC inspector verified that the licensee had developed emergency plan implementing procedures and letters of agreement with state agencies for support of sample analyses and with the National Weather Service for support of meteorological requirements.

No violations or deviations were identified.

5. Radiological Environmental Monitoring Program (80421/80721)

The licensee's REMP was reviewed to verify compliance with requirements of TS, Section 3/4.12, and agreement with commitments made in the USAR, Section 13.5.

Annual radiological environmental monitoring reports for 1985 and 1986 were reviewed and it was determined that related TS requirements had been accomplished. The annual radiological environmental monitoring report for 1987 was not yet available for review at the time of the inspection.

Selected environmental media sampling stations associated with the REMP were inspected. The required equipment at the selected sampling stations was in place, calibrated, and operational. Calibration and maintenance records for air sampling equipment were reviewed and it was determined that maintenance and calibration had been performed at the prescribed frequencies.

No violations or deviations were identified.

6. Meteorological Monitoring Program (MMP) (80521/80721)

The licensee's MMP was reviewed to verify compliance with the requirements of TS, Section 3.3, agreement with commitments in the USAR, Section 2.3, agreement with the recommendations of Regulatory Guide (RG) 1.23 and 1.97, and ANSI/ANS Standard 2.5-1984.

The meteorological tower, data recording equipment, calibration procedures, maintenance procedures, and semiannual calibration records were reviewed. It was determined during the inspection that the meteorological tower instrumentation data recovery exceeds 90 percent as recommended in RG 1.23.

No violations or deviations were identified.

7. Contractor Activities and Quality Control of Analytical Measurements

The licensee's program for oversight of contractor activities and the quality control of analytical measurements by the contractor was reviewed to verify compliance with requirements of TS, Section 3/4.12.3, and agreement with the recommendations of RG 4.15.

Vendor audits were conducted annually by the WCNOG Supplier Quality Branch staff. The following audits were reviewed:

- ° WCNOG Supplier Audit 59451-K008, September 30 through October 1, 1986
- ° WCNOG Supplier Audit 59451-K009, October 29-30, 1987

Audit procedures and checklists were reviewed, and it was determined that audit reports were reviewed by management. Responses to audit findings had been completed and documented in a timely manner.

No violations or deviations were identified.

8. Reportable Occurrences (80521/80721)

No reportable occurrences or events relating to the radiological environmental monitoring program were identified during the inspection.

No violations or deviations were identified.

9. Exit Interview

The NRC inspector met with licensee representatives denoted in paragraph 1 at the conclusion of the inspection and discussed the scope and findings of the inspection.