

APPENDIX

U. S. NUCLEAR REGULATORY COMMISSION
REGION IV

NRC Inspection Report: STN 50-482/85-21

License: NPF-32

Docket: STN 50-482

Licensee: Kansas Gas and Electric Company (KG&E)
P.O. Box 208
Wichita, Kansas 67201

Facility Name: Wolf Creek Generating Station (WCGS)

Inspection At: WCGS Site, Burlington, Kansas

Inspection Conducted: April 15-18, 1985

Inspector:

J. Blair Nicholas
J. Blair Nicholas, Radiation Specialist,
Facilities Radiological Protection Section

4/26/85
Date

Approved:

Blaine Murray
Blaine Murray, Chief, Facilities Radiological
Protection Section

4/26/85
Date

L. E. Martin
L. E. Martin, Chief, Project Section A
Reactor Project Branch 2

5/3/85
Date

Inspection Summary

Inspection Conducted April 15-18, 1985 (Report STN 50-482/85-21)

Areas Inspected: Routine, announced inspection of the licensee's chemistry/radiochemistry program including the review of outstanding open items concerning the offsite corporate organization and qualifications, training, postaccident sampling system (PASS), and facilities and equipment. The inspection involved 26 inspector-hours onsite by one NRC inspector.

Results: Within the areas inspected, no violations or deviations were identified. Four previously identified open items were closed.

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DETAILS

1. Persons Contacted

KG&E

- *C. C. Mason, Director, Nuclear Operations
- *F. T. Rhodes, Plant Manager
- *G. D. Boyer, Superintendent Technical Support
- B. W. Cope, Chemistry Technician
- *S. F. Hatch, Training Supervisor
- S. A. Henry, Chemistry Supervisor
- *C. J. Hoch, Quality Assurance (QA) Technician
- *W. M. Lindsay, QA Systems Supervisor
- *R. L. Logsdon, Site Chemist
- O. L. Maynard, Licensing Supervisor
- *T. S. Morrill, Radiochemist
- *K. Peterson, Licensing
- C. L. Palmer, Chemistry Supervisor
- P. E. Turner, Nuclear Training Manager
- *M. G. Williams, Superintendent of Regulatory, Quality,
and Administration

Others

- *B. L. Bartlett, NRC Resident Inspector
- *J. E. Cummins, Senior NRC Resident Inspector

*Denotes those present during the exit briefing on April 18, 1985.

2. Licensee Action on Previously Identified Open Items

(Closed) Open Item (482/8404-03): Chemistry/Radiochemistry Training Program - This item involved the lack of completed shift qualification training of the chemistry technicians who were onsite prior to May 1, 1984. The NRC inspector reviewed the chemistry/radiochemistry individual staff training records and qualification cards and found that seven chemistry technicians who were assigned to the chemistry/radiochemistry section prior to May 1, 1984, had completed the required training to meet the requirements for performing shift chemistry responsibilities in accordance with Procedure ADM-04-004, "Chemistry Group Training Program," Revision 5, February 8, 1985. A licensee representative stated that three additional chemistry/radiochemistry technicians are scheduled to complete their chemistry shift qualifications by June 1985. The NRC inspector discussed with the licensee that all chemistry/radiochemistry technicians hired prior to May 1985 should have all items of qualification addressed in Appendices I and II of Procedure ADM-04-004 completed and signed-off prior to May 1986. This item is considered closed.

(Closed) Open Item (482/8404-07): Postaccident Sampling System - This item involved the lack of PASS operation verification by collecting reactor coolant and containment atmosphere samples, performing required comparative analyses, and completing training of chemistry/radiochemistry technicians on PASS. The NRC inspector verified that the licensee's PASS and associated procedures provide equipment and procedures that satisfy the requirements of NUREG-0737, Item II.B.3, for representative sampling and analysis of reactor coolant and containment atmosphere following a reactor accident. The licensee had completed technician training on the PASS. The licensee's testing of the PASS while at reactor system operating temperature and pressure verified representative sampling of reactor coolant. The licensee's methods, analytical sensitivities, and analytical results of chemistry parameters are consistent with PASS requirements. This item is considered closed.

(Closed) Open Item (482/8404-09): Facilities, Equipment, and Supplies - This item involved the completion of construction and routine occupancy of the radwaste laboratory and the installation and calibration of laboratory instrumentation in the radwaste laboratory. The NRC inspector inspected the radwaste laboratory and found that the licensee had completed construction of the laboratory and radwaste sample panel. The radwaste laboratory was equipped with the necessary chemicals, labware, and analytical instrumentation to perform the required analytical procedures for radwaste releases. The analytical instrumentation was calibrated and being used on a routine basis. This item is considered closed.

(Closed) Open Item (482/8440-01): Corporate Chemistry/Radiochemistry Personnel Qualifications - This item involved the lack of a defined corporate chemistry/radiochemistry program including approved position qualifications and job descriptions, defined responsibilities and interfaces with the onsite chemistry/radiochemistry section, procedures governing functional areas of responsibility, implementing procedures which provide selection and qualification criteria for the determination of qualified personnel to fill corporate nuclear chemistry technical support positions, and staffing of the corporate nuclear chemistry technical support group. The NRC inspector reviewed the licensee's actions to resolve the concerns addressed in the open item and found the necessary procedures completed and approved, position descriptions and qualification criteria for the corporate nuclear chemistry technical support personnel acceptable, and all designated corporate nuclear chemistry technical support staff positions filled with ANSI N18.1-1971 qualified personnel. This item is considered closed.

3. Status of the Chemistry/Radiochemistry Section

The NRC inspector noted that all open items in the area of chemistry/radiochemistry have been resolved and closed.

4. Routine and Emergency Facilities for the NRC Mobile Laboratory

The NRC inspector discussed with the licensee the installation of support electrical and telephone facilities for the NRC mobile laboratory, both onsite for routine inspections, and at the emergency operations facility (EOF) at the WCGS training center during radiological incident response activities. The NRC inspector outlined the mobile laboratory's support requirements as follows:

- a. The parking location should be on a level concrete slab in an area away from overhead electrical transmission lines and with easy access for receiving radioactive samples from the plant.
- b. Electrical power should be provided to the vehicle through three independent (nonground faulted) 115 volt, 30 ampere circuits equipped with twist-lock receptacles located within 50 feet of the parked vehicle.
- c. Telephone line and a modular connection should be provided at the vehicle parking site.

The NRC inspector discussed several onsite locations with the licensee and indicated a preference on the west side of the power block. A suitable site at the EOF was also discussed. The licensee stated that they would investigate how the support requirements could be met at both the onsite location and at the EOF, and initiate proper installation of facilities as soon as possible.

5. Exit Briefing

The NRC inspector met with the licensee's representatives and the NRC resident inspectors identified in paragraph 1 of this report at the conclusion of the inspection on April 18, 1985. The NRC inspector summarized the scope of the inspection and discussed the closing of four open items.