

APPENDIX B

U.S. NUCLEAR REGULATORY COMMISSION
REGION IV

NRC Inspection Report: 50-482/85-41

License: NPF-42

Docket: 50-482

Licensee: Kansas Gas and Electric company (KG&E)
Post Office Box 208
Wichita, Kansas 67201

Facility Name: Wolf Creek Generating Station (WCGS)

Inspection At: Wolf Creek Site, Coffey County, Burlington, Kansas

Inspection Conducted: October 21-25, 1985

Inspector: R. P. Mullikin 11/27/85
R. P. Mullikin, Project Inspector, Project
Section B, Reactor Projects Branch Date

Approved: D. M. Hunnicutt 11/27/85
D. M. Hunnicutt, Acting Chief, Project
Section B, Reactor Projects Branch Date

Inspection Summary

Inspection Conducted October 21-25, 1985 (Report 50-482/85-41)

Areas Inspected: Routine, unannounced inspection including followup on previously identified items and review of the fire protection/prevention program. The inspection involved 32 inspector-hours onsite by one NRC inspector.

Results: Within the two areas inspected, two violations were identified (Technical Specification-required surveillance not performed, paragraph 3, and failure to follow surveillance test procedures, paragraph 3).

8512120017 851129
PDR ADOCK 05000482
Q PDR

DETAILS1. Persons ContactedPrincipal Licensee Personnel

*F. T. Rhodes, Plant Superintendent
 *J. A. Bailey, Acting Site Director
 *W. J. Rudolph, Site QA Manager
 *W. M. Lindsay, Quality Systems Supervisor
 *C. M. Herbst, Assistant Project Manager - Bechtel
 *M. G. Williams, Superintendent of Regulatory, Quality, and Administrative Services
 *R. M. Grant, Director - Quality
 *C. J. Hoch, QA Technologist
 *J. W. Johnson, Chief of Security
 *C. M. Estes, Operations Coordinator
 *L. E. Paulson, Home Office Radwaste Engineer
 *J. M. Isom, Healthy Physics Supervisor-Radwaste
 *J. L. Blackwell, Fire Protection Coordinator
 *J. C. Goode, Licensing
 *P. E. Turner, Nuclear Training Manager
 *W. D. Allen, Consulting Health Physicist
 *R. D. Flannigan, KCP&L, Wolf Creek Site Representative
 *N. W. Hoadley, Lead Engineer - NPE
 *A. A. Freitag, Manager, - NPE
 *K. Peterson, Licensing
 *J. Ives, Site Health Physicist
 *G. Pendergrass, Licensing Engineer
 *W. G. Collins, Independent Safety Engineering Group
 *T. S. Morrill, Chemistry
 *G. D. Boyer, Technical Support Superintendent
 H. K. Chernoff, Licensing
 M. Nicholas, Plant Support Superintendent
 R. Treptow, Fire Protection Instructor
 C. Duchesman, Operations

The NRC inspectors also contacted other members of the licensee's staff during the inspection to discuss identified issues.

*Denotes those personnel attending the exit interview.

2. Followup on Previously Identified Items

(Closed) Open Item (50/482/8429-01): The item required that the following training procedures be reviewed: ADM 01-013, ADM 04-004, ADM 05-401, ADM 05-706, ADM 06-100, ADM 06-224, and ADM 13-200. The NRC inspector reviewed for adequacy the latest revision of the above procedures with the exception of ADM-01-013, ADM 05-706, and ADM 06-100 which have been deleted. This item is considered closed.

(Closed) Open Item (50-482/8429-02): This item required the licensee to capture all training records and store them in a central location. The NRC inspector reviewed General Procedure KGP-1800, Revision 0, "Training and Qualification Records." This procedure provides for the capture of all site training records. In addition, KG&E is in the process of performing their annual training audit which will assure that all training records are stored in a central location. This item is considered closed.

3. Review of Fire Protection/Prevention Program

The NRC inspector assessed the implementation of the Wolf Creek Fire Protection/Prevention Program through observation and review of documentation. The following aspects of this program were assessed:

- Combustible materials are properly controlled in safety-related areas.
- Housekeeping is properly maintained in safety-related areas.
- Fire brigade training sessions and drills are being conducted at specified intervals.
- Fire brigade equipment, including the emergency breathing apparatus, is properly stored.
- Fire protection systems and equipment installed for protection of safety-related areas are functional, properly maintained and tested in accordance with the requirements specified in the Technical Specifications.

The NRC inspector observed, during a tour of the control and auxiliary buildings, that housekeeping activities were adequate. The control of combustible materials was also adequate with the exception of wooden ladders used for work activities. These ladders were not fire retardant and, as such, would not be allowed in safety-related areas by procedure ADM 13-102, "Control of Combustible Materials." This had been recently discussed with the licensee by the NRC resident inspectors and a verbal commitment was made by KG&E to look into a solution. The NRC will follow this item to determine whether a prompt and adequate solution to this problem is obtained.

A tour of the fire brigade training facility was made by the NRC inspector. This facility allows adequate classroom training as well as hands-on fire fighting training. Documentation reviewed showed the dates of training received by the fire brigade members, and training required, but not yet received, was easily determined. The NRC inspector was given a training schedule for brigade members through the end of 1985.

A tour of the plant yard and control and auxiliary buildings resulted in the following observations:

- Fire hydrants were well protected.
- Yard indicator valves were in their correct positions (open).
- Fire extinguishers were located throughout the buildings in easily accessible locations.
- Hose stations appeared to be protected and functional.
- Fire doors were all closed as required.
- Fire brigade equipment lockers were secured and all necessary equipment was properly stored.

No violations or deviations were identified in the above area.

The NRC inspector reviewed the following surveillances tests for completeness, required frequency, and commitments to IS requirements:

- STS FP-001, "Water Supplied Fire Protection Valve Position Verification," (March-July, 1985)
- STS FP-002, "Yard Loop and Hydrant Flush and Hydrant Inspection," (May 1985)
- STS FP-601, "Diesel Fire Pump 1FP01PB - Monthly Operation and Fuel Level Check," (March-August 1985)
- STS FP-602, "Electric Motor Driver Fire Pump 1FP01PA - Monthly Operation," (March-August 1985)
- STS CH-007, "Fire Pump Diesel Fuel Storage Tank," (April-July 1985)
- STS FP-005, "Monthly Sprays/Sprinkler Valve Position Verification," (March-July 1985)
- STS MT-013, "Fire Pump (Diesel) Battery Electrolyte and Voltage Inspection," (March-August 1985)
- STS MT-014, "Fire Pump (Diesel) Battery Specific Gravity," (April-July 1985)
- STS FP-008, "Monthly Hose Rack Inspection," (March-August 1985)
- STS FP-013, "Cycle Procedure for Testable Valves," (January 1985)
- STS FP-020, "Trip Actuating Device Operational Test for Electrically Supervised Fire Doors," (March-August 1985)

- STS FP-019, "Fire Door Visual Inspection," (July, 1985)
- STS FP-020, "Fire Door Position Verification - Closed, Locked, Unalarmed," (March-August 1985)
- STS MT-031, "Halon System Tank Weight and Pressure," (July 1985)
- STS FP-024, "Fire Door Position Verification - Closed, Unlocked, Unalarmed," (August 1985)

The inspection of the above surveillance tests resulted in the following observations:

Technical Specification 4.7.10.2.a requires that, among other systems, the water spray system for ESF transformers XNB01 and XNB02 be demonstrated operable at least once per 31 days, by verifying that each valve (manual, power-operated, or automatic) in the flow path is in its correct position. Surveillance Procedure STS FP-005, Revision 0, "Monthly Spray/Sprinkler Valve Position Verification," is the procedure designed to satisfy this TS requirement. However, this procedure does not require the monthly surveillance of the two ESF transformers. Thus, the monthly surveillances have not been performed as required by the TS. This is an apparent violation (50-482/8541-01).

Surveillances Procedure STS FP-602, Revision 3, "Electric Motor Driven Fire Pump 1FP01PA - Monthly Operation," requires in Sections 5.2 and 5.3 that pump 1FP01PA be tested by starting it from the local panel during January, March, May, July, September, and November, and from the control room panel during the alternate months. The NRC inspector discovered that during the May 1985 surveillance test the pump was started from the control room, and during June 1985 it was started from the local control panel. This failure to follow procedure is an apparent violation (50-482/8541-02).

4. Exit Interview

The NRC inspector met with the licensee personnel denoted in paragraph 1 and the NRC resident inspector at the conclusion of the inspection on October 25, 1985. At this interview, the NRC inspector summarized the purpose, scope, and findings of the inspection.