

APPENDIX

U. S. NUCLEAR REGULATORY COMMISSION

REGION IV

NRC Inspection Report: 50-482/84-07 CP: CPPR 147

Docket: 50-482 Category: A2

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

Facility Name: Wolf Creek Generating Station

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

Inspection Conducted: March 1 -31, 1984

Inspectors:

W. S. Schum  
W. S. Schum, Senior Resident Reactor  
Inspector, Operations, Reactor Project  
Section 2A, (pars. 1, 2, 3, 4, 5, 7, 8,  
9, and 10)

4/5/84  
Date

W. D. Johnson  
W. D. Johnson, Chief, Reactor Project  
Section 2A, (para. 6)

4/9/84  
Date

Approved:

W. D. Johnson  
W. D. Johnson, Chief, Reactor Project  
Section 2A

4/9/84  
Date

Inspection Summary

Inspection Conducted March 1 - 31, 1984 (Report 50-482/84-07)

Areas Inspected: Routine, announced inspection including site tours; review of procedures; closeout of construction deficiency reports; followup of previous inspection findings; followup of allegations; observation of startup activities; Nuclear Safety Review Committee activities; and quality concern investigative activities. The inspection involved 99 inspector-hours onsite by the Senior Resident Reactor Inspector (SRI).

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

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DETAILS1. Persons ContactedPrincipal Licensee Personnel

- R. J. Glover, Startup Manager
- F. J. Duddy, Project Director
- \*F. T. Rhodes, Plant Manager
- \*K. Ellison, Startup Technical Support Supervisor
- H. Handfinger, Assistant Startup Supervisor
- \*W. J. Rudolph, QA Manager, Site
- T. E. Quiggle, Staff Assistant to Startup Manager
- O. L. Thero, Quality First Supervisor
- O. Maynard, Licensing, Site
- \*H. K. Chernoff, Licensing, Site
- \*R. M. Grant, Director-Quality
- \*M. G. Williams, Supt. of Regulatory, Quality, and Administrative Services
- \*C. J. Steinert, QA Technologist
- \*R. L. Hoyt, Emergency Planning Supervisor
- \*C. C. Warren, Quality Evaluation Supervisor
- \*W. M. Lindsay, QA Systems Supervisor

Other licensee and contractor personnel were also contacted during the course of this inspection activity.

\*The above identified personnel attended the exit meeting held on March 30, 1984.

2. Site Tours

The NRC inspector toured the plant at various times during the inspection period. Ongoing construction and test activities were observed to ensure conformance with applicable requirements or procedures. Prime areas of inspection included:

- . Housekeeping
- . Fire Protection
- . Logbook entries
- . Tag outs
- . Test procedure conformance
- . Temporary modification identification

During one of these tours, the NRC inspector noticed several used oxygen bottles stored in close proximity to the engineered safety features Class 1E transformer. Licensee representatives immediately removed these bottles when it was brought to their attention. Additionally, the NRC inspector toured the refueling water storage tank valve house at the request

of the NRC Office of Nuclear Reactor Regulation (NRR) Instrument and Controls Branch Reviewer. This tour was made to determine if any water was left standing in the lower areas of this structure. At the time of this tour, several inches of water were on the floor; however, no equipment was submerged. Visually, the NRC inspector could determine that some of the electric boxes were partially submerged in the past and apparently they had not been inspected since dewatering was accomplished. This item will be addressed by the NRR Instrumentation and Controls Branch as a licensing concern.

No violations or deviations were identified.

### 3. Review of Procedures

The NRC inspector reviewed various procedures with specific emphasis on the following:

- . Management review
- . Clear definition of objectives
- . Prerequisites identified where required
- . Test acceptance criteria identified and complete
- . Appropriate references
- . Initial conditions specified
- . Procedure has sufficient detail to permit performance

The following special test procedures were reviewed:

- . SUB-KE01 - Spent Fuel Handling Crane Load Test
- . SUB-KE02 - Cask Handling Crane Load Test

The following administrative procedures were reviewed:

- . ADM 14-101, Revision 8 - System/Component Turnover,
- . ADM 04-002, Revision 1 - WCGS Chemistry Specification Manual  
Distribution, Review, and Revision
- . ADM 14-200, Revision 5 - Preoperational Test Program Implementation
- . ADM 04-030, Revision 1 - Use of Plant Chemicals and Cleaning Agents
- . ADM 02-101, Revision 4 - Lifted Wire and Jumper Control
- . ADM 01-048, Revision 1 - Material and Services Procurement
- . ADM 05-600, Revision 1 - Special Nuclear Material Safeguards and  
Accountability

No violations or deviations were identified.

### 4. Closeout of Construction Deficiency Reports

The actions of the licensee and information gathered have been reviewed and found to be acceptable. Therefore, the following reports are closed:

- . 83-11 (TE53564-K85) - Hanger Notes and Symbols
- . 82-11 (TE53564-K70) - Restricted Movement of Nonstationary Pipe Supports

#### 5. Followup of Previous Inspection Findings

The actions associated with the following violations have been reviewed and appear adequate. Therefore, these items are closed.

(Closed) Violation (STN 50-482/8334-01): Failure to Follow Construction Procedures. The cables, in question, have been reworked to ensure proper spacing. Procedures are now in place to ensure proper spacing at the end of construction activities.

(Closed) Violation (STN 50-482/8332-01): Intimidation of a Quality Control Inspector. KG&E has implemented an ongoing comprehensive program to prevent intimidation or harassment of personnel by supervision. All levels from crafts through upper management have been instructed in this area, and it has been made clear this action will not be tolerated. The licensee actions appear complete and continuing.

(Closed) Violation (STN 50-482/8330-02): Failure to Provide Adequate Procedures. Procedures have been established to adequately control areas for cleanliness and material accountability. These procedures provide for recurring review of cleanliness level to account for changes in plant status.

(Closed) Deviation (STN 50-482/8338-01): Preoperational Test Procedures. KG&E has implemented a new schedule for preoperational testing and has changed staffing and tracking methods. These steps appear to have resolved this problem and procedures are available in a timely manner.

(Closed) Violation (STN 50-482/8338-02): Failure to Properly Control Procedure Revisions. KG&E has changed routing of revisions to provide adequate tracking and responsibility for changes. This action appears to adequately control revisions.

(Closed) Violation (STN 50-482/8338-03): Failure to Follow Procedures. Measures have been established to ensure correct chairmanship of the Joint Test Group (JTG). Attention is being given to ensure no similar problems arise. Appropriate alternate provisions have been made.

#### 6. Followup of Allegation

In February 1984, the NRC Region IV Office received a copy of a complaint filed by Mr. Mark Woodward with the Wage and Hour Division of the U. S. Department of Labor. This complaint against Daniel International Corporation alleged discriminatory employment practices in violation of

the Energy Reorganization Act. NRC review of the complaint identified that the weld involved in the complaint was IM03BG12ECRO3-FW304. This weld is in the chilled water piping to the chemical and volume control system letdown chiller heat exchanger. This weld and piping are neither safety-related nor special scope. In March 1984, the Department of Labor notified Mr. Woodward that the incident in his complaint is not covered by Section 210 of the Energy Reorganization Act. The NRC review of this complaint identified no violations or deviations.

7. Observation of Startup Activities

During this inspection period, the NRC inspector observed portions of various startup activities to ensure procedural compliance and proper performance. Some of the activities witnessed were:

- . Initial operation of emergency diesel generators
- . Flow testing of containment spray nozzles
- . Class 1E battery charger testing
- . Spent fuel handling crane tests

No violations or deviations were identified.

8. Nuclear Safety Review Committee (NSRC)

On March 2, 1984, the plant's Nuclear Safety Review Committee met onsite. The NRC inspector attended a portion of this meeting and later reviewed the minutes of the NSRC activities.

The NSRC activities appear to be conducted in accordance with requirements. The committee conducts reviews of appropriate items affecting plant safety and performance.

No violations or deviations were identified.

9. Quality Concern Investigation Activities

The licensee has established a group entitled "Quality First Team." This team is tasked with interviewing all departing workers. They attempt to determine if they have any concerns about or knowledge of poor quality work at the Wolf Creek site.

Additionally, they have established a "hot line" number that will be answered by either a team member or, if no one is present, an answering machine. This "hot line" is to allow anyone to call and voice their concerns about activities on the project.

This team is further tasked with investigating all such concerns and resolving them. The group presently has four people assigned with additional manpower available from quality assurance to do investigations if required.

A report on all investigations conducted and all concerns voiced is provided to KG&E's senior management on a regular basis.

10. Exit Meetings

The NRC inspector met with licensee personnel on March 30, 1984, to discuss the scope and findings of this inspection.