

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION III

Report No. 50-483/81-03

Docket No. 50-483

License No. CPPR-139

Licensee: Union Electric Company
P. O. Box 149
St. Louis, MO 63166

Facility: Callaway, Unit 1

Inspection At: Callaway Site, Callaway County, MO

Inspection Conducted: February 2-27, 1981

Inspector: *W. H. Hines*

Approved By: *J. E. Konklin*
Projects Section 2A

2-3-81
3/5/81.

Inspection Summary

Inspection on February 2-27, 1981 (Report No. 50-483/81-03)

Areas Inspected: Routine inspection by the IE Regional Resident Inspector (RI) of safety-related construction activities including protection of the reactor vessel and other components of the nuclear steam system supplier (NSSS); material lay down and storage areas including the warehouse; welding of safety-related piping systems; electrical work and mechanical work associated with the Ultimate Heat Sink Cooling Tower. This inspection involved a total of 50 inspector hours onsite by one NRC inspector including 0 inspector hours onsite during off-shifts.

Results: No items of noncompliance or deviations were identified.

DETAILS

Persons Contacted

Union Electric Company (UE)

- *W. H. Weber, Manager Nuclear Construction
- M. E. Doyne, General Superintendent, Callaway Construction
- R. L. Powers, Superintendent of Site Quality Assurance
- *J. Laux, Supervisory Engineer Quality Assurance Construction
- *H. H. Hess, Quality Assurance Consultant
- *S. M. Hogan, Assistant Quality Assurance Engineer

Daniel International Corporation (Daniel)

- *H. J. Starr, Project Manager
- W. L. Sykora, Assistant Project Engineer

The inspector also contacted and interviewed other licensee and contractor personnel, including craftsmen, QA/QC, technical and engineering staff members.

*Denotes those attending at least one of the exit meetings.

Functional or Program Areas Inspected

1. Plant Tours

One or more plant areas were toured several times during the reporting period to observe general construction practices; area cleanliness and storage condition of equipment, piping, and electrical cable.

2. Fabrications of Safety Related Piping Systems

a. During the reporting period, the inspector observed work including handling, protection, inspection, and welding of safety related piping systems.

(1) Residual Heat Removal System Welds

2EJ 02 F048

(2) Containment Cooling System Welds

2GN 02 F011

(3) Essential Service Water System Welds

2EF 04 FW50

For each of these welds one or more of the following fabrication activities was observed. Handling and protection of piping and partially completed welds was satisfactory. Purge gas was correctly used. The weld area was free of any grease or particles. The joint fit-up dimensions were within procedural requirements and the welders were certified as qualified for the procedure specified to be used for welding the pipe joint.

No items of noncompliance or deviations were identified.

3. Nuclear Steam System Supplier (NSSS) Equipment

The inspector observed the in-place storage and protection of NSSS components and piping. The piping assemblies, reactor vessel internals, and reactor vessel head was properly stored and protected.

No items of noncompliance or deviations were identified.

4. Storage and Warehousing of Safety Related Material and Components

Material and component storage areas were observed. The warehouse and storage areas out of doors was inspected. In both areas the cleanliness, spacing and dunnage, protection, identification and segregation and identification of nonconforming items was satisfactory.

No items of noncompliance or deviations were identified.

5. Ultimate Heat Sink Cooling Tower Fill Material

Bechtel Specification 10884-M-015 identifies the type and quantity of fill material that is to be used to provide water dispersion area in the Ultimate Heat Sink. During the report period the inspector reviewed the installation and quality control process used during installation of the material. The material crosspack corrugated asbestos is installed without mortar on a neoprene cushion. Among other things the Quality Control Inspectors were verifying that the material installed: (1) is not damaged; (2) is correct material; (3) is installed correctly and; (4) the number of sheets is correct.

No items of noncompliance or deviations were identified.

Exit Meetings

The inspector met with Licensee representatives (denoted under Persons Contacted) on February 6 and 27, 1981, and other occasions throughout the month. The inspector summarized the scope and findings of the inspections performed. The Licensee representatives acknowledged the findings reported in previous paragraphs.

Attachment: Preliminary
Inspection Findings

PRELIMINARY INSPECTION FINDINGS

1. LICENSEE

Union Electric Company
1901 Gratiot Street
St. Louis, Missouri

2. REGIONAL OFFICE

Nuclear Regulatory Commission, Region III
Office of Inspection and Enforcement
799 Roosevelt Road
Glen Ellyn, Illinois 60137

3. DOCKET NUMBERS

60-483

4. LICENSE NUMBERS

CPPR-139

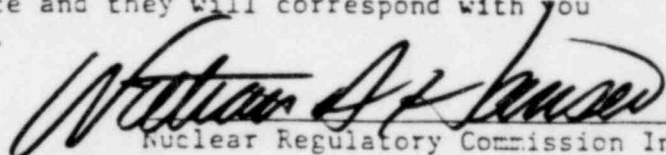
5. DATE OF INSPECTION

2-2 thru 2-6, 1981

6. Within the scope of the inspection, no items of noncompliance or deviation were found.

7. The following matters are preliminary inspection findings:

8. These preliminary inspection findings will be reviewed by NRC Supervision/Management at the Region III Office and they will correspond with you concerning any enforcement action.


Nuclear Regulatory Commission Inspector

PRELIMINARY INSPECTION FINDINGS

1. LICENSEE

Union Electric Company
 1911 Market Street
 St. Louis, Missouri

2. REGIONAL OFFICE

Nuclear Regulatory Commission, Region III
 Office of Inspection and Enforcement
 799 Roosevelt Road
 Glen Ellyn, Illinois 60137

3. DOCKET NUMBERS

50-487

4. LICENSE NUMBERS

CPFR-139

5. DATE OF INSPECTION

2-9 thru 2-27-81

6. Within the scope of the inspection, no items of noncompliance or deviation were found.

7. The following matters are preliminary inspection findings:

Other inspections/investigations were performed which could result in the reporting of items of non-compliance -

8. These preliminary inspection findings will be reviewed by NRC Supervision/Management at the Region III Office and they will correspond with you concerning any enforcement action.

[Signature]
 Nuclear Regulatory Commission Inspector