

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

REGION III

Report No. 50-483/81-11

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: May 1-29, 1981

Inspector: *W. A. Hancock*

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

6-4-81
6/9/81

Inspection Summary

Inspection on May 1-29, 1981 (Report No. 50-483/81-11)

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), electrical work; welding of safety related piping systems; post tensioning work on the containment building. This inspection involved 17 inspector hours onsite by one NRC inspector including 2 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
*S. M. Hogan, Assistant Quality Assurance Engineer
R. Veatch, Assistant Quality Assurance Engineer
W. H. Stahl, Test Program Coordinator
J. N. Kaelin, Superintendent Start-Up
J. L. Marden, Q. A. Consultant

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. RV head thermocouple installation was in process with Westinghouse and Quality Control Inspectors observing the activity.

No items of noncompliance or deviations were identified.

2. Containment Building Prestressing

a. During the reporting period the inspector observed the following work associated with prestressing.

- (1) The filling of tendon sheaths V-33 and V-37 with protective grease was observed. The temperature of the grease was satisfactory and inspection personnel were observing the operation as required by procedure.

No items of noncompliance or deviations were identified.

3. Fabrications of Safety-Related Piping Systems

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

(1) Main Feed Water System

2AE-04-FW5
2AE-04-F008A

(2) Residual Heat Removal

2EJ-04-F037

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 observed.

4. Electrical Cable Installation

During the reporting period, the inspector observed work associated with the following cable terminations:

1AEK16AA
1AEK14AJ
1AEK14AA

The following conditions were observed: (1) the cables were identified, (2) a work assignment sheet was in use, (3) crimping tools were calibrated, (4) the person assigned was certified qualified to perform terminations.

No items of noncompliance or deviations were identified.

5. 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 were properly stored and protected.

No items of noncompliance or deviations were identified.

Other Activities

The inspector participated in an inspection conducted by J. Konklin, T. Vandell, L. Martin, and J. Neisler during the period May 5-7, 1981. The inspection will be documented in IE Inspection Report 50-483/81-10.

The inspector participated in meetings with Resident Inspectors at Region III Offices in Glen Ellyn, Ill. during the period May 11-15, 1981.

The inspector participated in an audit of SNUPPS activities in Gaithersburg, Maryland during the period May 20-22, 1981. The inspection will be documented in Inspection Report 50-483/81-12.

Exit Meetings

The inspector met with Licensee representatives (denoted under Persons Contacted) on June 3, 1981, and other occasions throughout the month. The inspector summarized the scope and findings of the inspection performed. The Licensee representatives acknowledged the findings reported in previous paragraphs.