

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-483/82-06(DPRP)

Docket No. 50-483

License No. CPPR-139

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

Facility Name: Callaway Plant, Unit 1

Inspection At: Callaway Site, Reform, MO

Inspection Conducted: July 21-31, 1982

Inspector: *J. E. Konklin*
John H. Neisler

8/18/82

Approved By: *J. E. Konklin*
J. E. Konklin, Chief
Projects Section 1A

8/18/82.

Inspection on July 21-31 1982 (Report No. 50-483/82-06(DPRP))

Areas Inspected: Inspection by the Regional Resident Inspector of safety-related construction and preoperational testing activities, including erection and welding of pipe and electrical supports, electrical terminations, instrument installation, and housekeeping and preservation of equipment. This inspection involved a total of 74 inspector-hours onsite by one NRC inspector, including 10 inspector-hours onsite during off shifts.

Results: One item of noncompliance was identified (failure to follow Seismic II/I procedures).

DETAILS

1. Persons Contacted

Union Electric Company (UE)

- *W. H. Weber, Manager, Nuclear Construction
- M. E. Doyne, General Superintendent, Callaway Construction
- *R. L. Powers, Superintendent, Quality Assurance
- *J.R. Veatch, Supervising Engineer, Construction QA
- J. V. Laux, Supervising Engineer, Startup QA
- J. Kaelin, Superintendent of Startup
- *C. J. Plows, QA Consultant
- A. D. Sassani, QA Consultant
- S. M. Hogan, QA Engineer
- H. W. Millwood, QA Consultant
- *J. A. McGraw, Supervisory Engineer, Nuclear Construction
- L. H. Konuckel, QA Engineer

Daniel International Corporation (DIC)

- C. C. Wagner, Project Manager
- *J. J. Long, Project Welding Manager
- B. Norton, Construction Superintendent, Control (Delcon)
- M. Spease, QC Electrical, Level II

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

*Denotes those persons present at the exit meeting on July 30, 1982.

2. Licensee Action on Previously Reported Items

(Closed) Unresolved Item 50-483/79-02-01: See closure of 10 CFR 50-55(e) item of 12-08-78 in Report 50-483/80-07. Subject, Anchor Darling valves supplied with motor actuators that were not qualified for containment service. This item is considered to be resolved.

(Closed) Unresolved item 50-483/79-16-01): Related to a 10 CFR 50-55(e) item on NSSS lateral support anchor bolt nuts. See closure of the 50-55(e) item in Report 50-483/80-21. This item is considered to be resolved.

3. Preoperational Testing

The inspector observed portions of preoperational test CS-03KE02, New Fuel Elevator Test. The test was conducted July 24, 1982, by representatives of the licensee's construction pre-op organization, plant operations and the NSSS contractor. Results of the test have been tabulated and forwarded to the Joint Test Group. No significant

problems were noted during the portions of the test observed by the inspector.

4. Electrical

The Inspector observed electrical construction activities in the control building, auxiliary building and reactor building. Activities observed included hanger and raceway installation, cable installation, terminations in the control room panels and in motor control centers NG03C and NG02C.

On the 1988' elevation in the auxiliary building, the inspector observed an unmarked junction box mounted on two horizontal strut-type supports. The supports passed directly over a conduit identified as a Class IE conduit number 4U1029. The inspector found no evidence that the junction box and its supports had been installed or inspected in accordance with site procedures governing the installation and inspection of II/I components. This failure to follow the II/I procedures is contrary to the requirements of 10 CFR 50, Appendix B, Criterion V. (50-483/82-06-01)

5. Instrumentation

Various instrument installation activities were inspected, including inprocess and completed work. It was observed that the spool for the capillary tube on LT955, accumulator level transmitter, was installed such that the capillary could not be coiled in its position as designed. Discussion with licensee representatives and review of specifications indicate that the accumulator level transmitters are not considered to be safety related at Callaway. The inspector was informed by the licensee that this item had been identified in QA Audit Report UTD-QA-1147B on February 22-March 3, 1982, and had been referred to Westinghouse by the licensee's engineering organization by letter ULW-54, dated July 7, 1982. The question regarding the use of nonsafety-related level transmitters in the accumulator system was referred to the NRC Licensing Project Manager by the Resident Inspector on August 3, 1982. This matter is unresolved. (50-483/82/06-02)

6. Fuel Storage Boxes

Prior to the date of this report, the inspector was requested by NRR to perform all thickness measurements on a representative sample of the fuel storage boxes. Actual measured thicknesses were :

a. New Fuel Storage Boxes

- #7. 0.080" and 0.078"
- #9. 0.083"
- #10. 0.087" and 0.080"
- #11. 0.077" and 0.076"
- #26. 0.084" and 0.083"

Minimum thickness required per Figure 1.2-2 of license application is 0.075.

b. Spent Fuel Storage Boxes

AA53 - 0.119"	E50 - 0.120"
556 - 0.119"	C50 - 0.121"
K49 - 0.120"	S55 - 0.121"
D51 - 0.122"	L49 - 0.120"
AA54 - 0.122"	E51 - 0.122"
558 - 0.121"	A50 - 0.121"

Figure 1.2-3 of license application shows wall thickness to be 0.120".

The above information was transmitted to NRR by telephone in April 1982.

7. Piping and Welding

The inspector observed installation activities on main steam piping in the reactor building including joint fit up and welding, and preparation of the finished weld for nondestructive examination. The required documentation was available at the work location. Specified preheat was being applied and QC inspectors were available to perform the required inspections at inspection hold points.

No items of noncompliance were identified in this area.

8. Drug Prevention

The inspector was informed by the licensee's QA supervision that an organization under contract to the licensee had performed a narcotics search on the site during the morning of July 24, 1982. The search was performed with the use of trained dogs in the power plant, warehouses, administration areas and trailers. One packet of less than one ounce of material suspected of being marijuana was found inside a glove laying in a locked gang box in the reactor building. No other suspected narcotic substances were identified during the search. The licensee stated that additional searches will be conducted at irregular intervals.

9. Exit Interview

The inspector met with licensee representatives (denoted under Persons Contacted) on July 30, 1982. The inspector commented on the need for improvements in the areas of housekeeping and material preservation in the reactor building and auxiliary building. The inspector also summarized the scope and findings of the inspection. The licensee acknowledged the findings reported in the previous paragraphs.