

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-483/84-27(DPRP)

Docket No. 50-483

License No. CPPR-139

Licensee: Union Electric Company
Post Office Box 149
St. Louis, MO 63166

Facility Name: Callaway Plant, Unit 1

Inspection At: Callaway Site, Callaway County, MO

Inspection Conducted: May 15 - 18, 1984

P.R. Pelke
Inspector: P. R. Pelke

6/1/84
Date

RFWarrick for
Approved By: W. L. Forney, Chief
Projects Section IA

6/4/84
Date

Inspection Summary

Inspection on May 15 - 18, 1984 (Report No. 50-483/84-27(DPRP))

Areas Inspected: Routine, unannounced safety inspection of licensee action on open items. This inspection involved a total of 28 inspector-hours onsite by one inspector, including 0 inspector-hours during off-shift hours.

Results: No items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

Union Electric Company

- *R. L. Stright, Assistant Licensing Superintendent
- *S. E. Shepley, Quality Assurance Consultant
- M. E. Taylor, Superintendent, Operations
- D. E. Heinlein, Assistant Superintendent, Operations
- R. R. Roselius, Supervisor, Health Physics, Operations
- L. E. Auman, Radchem Foreman, Health Physics, Operations
- C. A. Brewer, Test Program Coordinator

2. Evaluation of Open Items

(Closed) Open Item (483/83-32-19): Page 22-27 of the Callaway SER (NUREG-0830) discusses the NRR evaluation of TMI Action Item II.K.1, IE Bulletins on Measures to Mitigate Small-Break LOCAs and Loss-of-Feedwater Accidents. The NRR evaluation of this item required Region III verification of two requirements from Table C.1 of NUREG-0660 prior to Operating License issuance as follows:

- C.1.5 Review all valve positions, positioning requirements, positive controls, and related test and maintenance procedures to assure proper ESF functioning.
- C.1.10 Review and modify, as required, procedures for removing safety-related systems from service (and restoring to service) to assure operability status is known.

The inspector reviewed and discussed the following procedures with the Superintendent Operations:

APA-ZZ-00310, Rev. 3	Workmen's Protection Assurance and Caution Tagging
APA-ZZ-00320, Rev. GR1	Initiating and Processing Work Requests
APA-ZZ-00340, Rev. 3	Surveillance Program Administration
ODP-ZZ-00001, Rev. 0	Operations Department - Code of Conduct
ODP-ZZ-00002, Rev. 1	Equipment Status Control
ODP-ZZ-00004, Rev. 1	Locked Valve/Breaker Control

These procedures and the systems operating, maintenance, and surveillance procedures adequately address the control of valve alignments for safety-related systems. Verification of the operability of redundant safety-related systems prior to removal of any safety-related system is addressed. Operability is verified prior to returning any safety-related system to service following maintenance or testing. Reactor operational personnel are notified whenever a safety-related system is removed from and returned to service. The licensee has adequately addressed this item.

(Closed) Open Item (483/84-16-01): Items remaining to be completed in this area include field completion and JTG approval of the Solid Radwaste System and Resin Transfer tests. The inspector reviewed the tests packages for the Solid Radwaste System (CS-04HC01) and Resin Transfer (CS-04HC03) tests which were approved by the JTG on May 1, 1984, and April 25, 1984, respectively. These tests are complete.

(Closed) Open Item (483/84-16-02): The process monitor test is not field complete. The inspector reviewed the test package for the Process Radiation Monitoring System (CS-03SP01) which was approved by the JTG on April 27, 1984. This test is complete.

(Closed) Open Item (483/84-16-03): Items remaining to be completed in this area include the auxiliary building HVAC, the control building HVAC, and the HEPA filter tests. The inspector reviewed test packages for the Auxiliary Building HVAC System (CS-03GL01), HEPA Filter (CS-030006) and Control Building HVAC System (CS-03LK01) tests which were approved by the JTG on April 26, 1984, April 28, 1984, and April 28, 1984, respectively. These tests are complete.

(Open) Open Item (483/84-16-04): FSAR Table 12.3-2 lists area monitor SD-RE-40 as being located on the containment manipulator crane. However, FSAR Figure 12.3-2, "Radiation Zones," shows SD-RE-40 as being located just inside the containment personnel hatch. The actual location of SD-RE-40 was per Figure 12.3-2. From this location, neither SD-RE-40 nor any other area monitors within containment were located such that the manipulator crane is adequately monitored. ANSI/ANS-6.3.1-1981, "Location and Design Criteria for Area Radiation Monitoring Systems for Light Water Nuclear Reactors," recommends installation of area radiation monitors on the refueling platform (manipulator crane) and inside containment near the personnel hatch area. The licensee stated that a temporary area monitor would be installed on the manipulator crane prior to fuel load and that a permanent monitor would be installed during the first refueling outage. During this inspection, the inspector observed that an Eberline RM-25 monitor has been placed on the manipulator crane. The high alarm has been set at 15 mr/hr. The inspector reviewed a Callaway Plant FSAR Change Form which corrects the location of Area Radiation Monitor SD-RE-40 from Manipulator Bridge Crane to Personnel Access Hatch Area and adds the portable area monitor to FSAR Table 12.3-2. This item remains open pending the installation of a permanent Area Radiation Monitor on the manipulator crane during the first refueling outage.

(Closed) Open Item (483/84-16-05): No time and motion study had been conducted to determine if iodine and particulate filters could be collected without exceeding the GDC-19 dose criteria. The results of a time and motion study, conducted by the licensee, were reviewed by a Region III Radiation Specialist. Based on this review, it appears that the samples can be collected without exceeding the GDC-19 dose criteria.

3. Exit Interview

The inspector met with licensee representatives denoted in Paragraph 1 on May 18, 1984, to discuss the scope and results of the inspection.