

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

Report No. 50-285/79-09

Docket No. 50-285

License No. DPR-40

Licensee: Omaha Public Power District  
1623 Harney Street  
Omaha, Nebraska 68102

Facility Name: Fort Calhoun Station - Unit 1

Inspection At: Fort Calhoun Station, Blair, Nebraska

Inspection Conducted: July 17-20, 1979

Inspector: Dennis L. Kelley 7/30/79  
D. L. Kelley, Reactor Inspector Date

Reviewed by: T. F. Westerman 7-31-79  
T. F. Westerman, Chief, Reactor Projects Date  
Section

Inspection Summary

Inspection on July 17-20, 1979 (Report No. 50-285/79-09)

Areas Inspected: Routine, unannounced inspection of maintenance activities, plant operation; and plant conditions observed during a plant tour. The inspection consisted of 24 hours on-site by one NRC inspector.

Results: Of the three (3) areas inspected, no apparent items of noncompliance or deviations were identified.

966 352

7909190 197

DETAILS1. Persons Contacted

\*R. L. Andrews, Manager, Fort Calhoun Station  
W. G. Gates, Supervisor, Operations  
G. R. Peterson, Supervisor, I&C and Electrical  
Field Maintenance

\*Dentoes those attending the exit meeting.

The inspector also talked with and interviewed other licensee employees during the inspection. These included reactor operators and office personnel.

2. Plant Operationsa. Shift Log and Operating Records

The inspector reviewed the following logs and records:

Shift Supervisor's Log, April 1 - June 30, 1979

Control Room Operator's Log, April 1 - June 30, 1979

Auxiliary Building Log, April 1 - June 30, 1979

Jumper Log, April 1 - June 30, 1979

Night Order Book, April 1 - June 30, 1979

Surveillance Log, April 1 - June 30, 1979

The logs and records were reviewed to verify conformance to plant procedures, Technical Specification reporting requirements and Limiting Conditions for Operations (LCO).

The inspector noted that some of the signatures, QA stamps or initials were missing from a few procedures and logs. Further inquiry verified that the steps in the procedures and reviews of logs had, in fact, been completed. The inspector discussed this with the licensee. The inspector was unable to determine whether this was an isolated case or the beginning of a trend. The licensee agreed to review the matter and to take the necessary steps to prevent the matter from becoming a serious problem. This item will remain unresolved pending the results of the review by the licensee (79-09-2a).

b. Plant Tour

At various times during the inspection, the inspector observed plant operations in the control room including shift change. Control room manning and equipment status were found to be in accordance with Technical Specification requirements. The inspector toured accessible areas of the auxiliary building, and made the following observations:

- . General cleanliness was satisfactory.
- . No excessive fluid leaks or piping vibrations were observed.
- . No fire hazards were observed.
- . Seismic restraints and pipe hangers appear to be in satisfactory condition.
- . Control room operators were knowledgeable in annunciator status.
- . Selected valves were observed to be in the required positions.
- . Selected equipment status tags were verified correct.

No items of noncompliance or deviations were identified.

c. Reactor Start-up

During the second quarter of this year Ft. Calhoun experienced a reactor trip caused by testing the fire protection system and inadvertently wetting a pressure switch which tripped the turbine. All system responded as required. The inspector reviewed "Startup No. 75 following Reactor Trip due to Loss of Load." The start-up package consisted of the following:

- . OP-1, R10, March 16, 1978, "Check List for Start-up or Trip Recovery"
- . ST-RPS-2, R3, April 30, 1979, "Wide Range Logarithmic Channels"
- . ST-RPS-9, R4, April 30, 1979, "Turbine Loss of Load Channels"
- . ST-RPS-10, R4, April 30, 1979, "Manual Trip Channels"
- . OI-RPS-1, R2, April 29, 1979, "Normal Operation"
- . OP-7, R15, December 22, 1979, "Reactor Start-up"

The inspector concluded that the trip recovery and start-up were accomplished in accordance with Technical Specification requirements and approved procedures.

No items of noncompliance or deviations were identified.

### 3. Maintenance Activities

The inspector reviewed maintenance activities performed on safety-related systems during the past 12 months. The safety-related activities were associated with the following areas:

- . Reactivity Control and Reactor Distribution
- . Instrumentation
- . Reactor Coolant System
- . Emergency Core Cooling System
- . Containment Systems
- . Plant and Electrical Power Systems

Within the above areas the maintenance activities were reviewed to determine:

- . Administrative approvals were obtained as needed
- . Approved procedures were used to accomplish the work
- . The work was performed using proper fire prevention provisions as applicable
- . Required inspections were performed
- . Required Test or Calibration activities were performed
- . Qualified personnel performed the work
- . Quality Control activities were performed and recorded as required.

The Maintenance Orders reviewed were:

- . M.O. 21279, December 12, 1978, "Clutch Replacement on CEDM-31"
- . M.O. 18440, March 23, 1978, "Replacement of RTD in Pressurizer Vapor Space"
- . M.O. 20954, November 29, 1978, "Adjust or Replace Seals (PCV-742 C&D)"

- . M.O. 21734, February 6, 1979, "Disassembly of Reactor Coolant Pump Seal"
- . M.O. 20184, October 2, 1978, "Replace Timer SI-2B on Sequencer 52-2"
- . M.O. 20813, November 18, 1978, "Repair Leaking End Bell on HX-AC-1A"
- . M.O. 18122, February 27, 1978, "Free up Purge Pump VA-80B"
- . M.O. 1138, June 28, 1979, "Repair Trip Arm on Breaker 1AD1"

No items of noncompliance or deviations were identified.

4. Unresolved Items

Unresolved items are those items for which further information is required to determine whether the items are acceptable items, items of noncompliance or deviations. Unresolved items are discussed in paragraph 2a.

5. Exit Interview

The inspector met with Mr. R. L. Andrews on July 20, 1979 and summarized the scope and findings of the inspection.