

APPENDIX

U. S. NUCLEAR REGULATORY COMMISSION  
REGION IV

NRC Inspection Report: 50-285/82-17

Docket: 50-285

License: 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: August 30 - September 3, 1982

Inspectors:

*M. E. Murphy*

M. E. Murphy, Reactor Inspector, Reactor Project  
Section C (Paragraphs 1, 4, and 5)

9-20-82  
Date

*T. A. Flippo*

T. A. Flippo, Reactor Inspector, Reactor Project  
Section C (Paragraphs 1, 2, 3, and 5)

9-20-82  
Date

Approved:

*D. M. Hunnicutt*

D. M. Hunnicutt, Acting Chief, Reactor Project  
Section C

9/20/82  
Date

Inspection Summary

Inspection conducted on August 30 - September 3, 1982 (Report 50-285/82-17)

Areas Inspected: Routine, unannounced inspection of housekeeping/cleanliness, onsite review committee, and calibration. The inspection involved 64 inspector hours by two NRC inspectors.

Results: Within the three areas inspected, there were no violations or deviations identified.

DETAILS1. Persons ContactedOmaha Public Power District

- \*R. Andrews, Section Manager, Production Operations
- M. Core, Supervisor, Instrumentation and Controls
- M. Ellis, Senior Instrumentation and Control Technician
- J. Fisicaro, Supervisor, Administrative Services
- \*G. Gates, Station Manager
- \*W. C. Jones, Division Manager, Production Operation
- L. Kusek, Supervisor, Operations
- \*K. Morris, Manager, Administrative Services
- \*T. Patterson, Licensing Administrator
- \*F. Thurtell, Division Manager, Quality Assurance and Regulatory Affairs
- \*M. Winter, Manager, Quality Assurance

\*Denotes presence at the exit interview conducted September 3, 1982.

The NRC inspectors also contacted other plant and district personnel including administrative, clerical, engineering, maintenance, and operations personnel.

2. Onsite Review Committee

The NRC inspector reviewed the licensee's operation of the Plant Review Committee (PRC) for compliance with Technical Specification Section 5.5.1, and with licensee's Administrative Procedure A-G-5, Revision 17, October 6, 1981, "Plant Review Committee."

Areas inspected included review of the composition of the committee and approval of the alternate chairman, and review of the minutes of the following PRC meetings:

1/5/82	3/23/82	5/27/82
1/26/82	4/2/82	7/13/82
2/16/82	4/27/82	7/29/82

In addition, the NRC inspector attended the PRC meeting held September 2, 1982.

No violations or deviations were identified.

### 3. Housekeeping/Cleanliness Program

The inspector reviewed the licensee's Housekeeping/Cleanliness Program to ascertain that the following administrative controls had been established:

- a. Housekeeping
  - . Housekeeping Zones
  - . Housekeeping during work activities
  - . Excess equipment and material control
  - . Prompt removal of combustible material
  - . Implementation responsibility
- b. Cleanliness
  - . Cleaning of safety-related components and systems
  - . Cleanliness Classifications
  - . Material accountability in critical clean areas
  - . Cleaning requirements for primary system components
  - . Maintaining cleanliness of previously cleaned systems
  - . Implementation responsibility

The NRC inspector reviewed Administrative Procedure A-G-6, Revision 7, December 22, 1981, "Housekeeping," to ascertain if the above listed items had been adequately addressed. The NRC inspector also reviewed the licensee's QA Audit Report 31-82, July 28, 1982, "Housekeeping," in which deficient areas in the program were noted. The deficient areas identified are shown below:

- a. The controlled area of the plant was not being maintained to the requirements of a Zone 1 area as described in ANSI N45.2.3 - 1973.
- b. Documentary evidence of weekly inspection and cleanup was backlogged in the operations area.
- c. Throughout the facility, ladders were unattended and not placed in their proper storage area.

Upon completion of a plant tour and verification of these deficient areas, a discussion with licensee representatives was held concerning these matters. They stated that a change to Administrative Procedure A-G-6, Revision 7, December 22, 1981, "Housekeeping," would be made to reflect that the controlled area of the plant be kept at Zone IV, and documentation of the weekly inspections and cleanup would be updated. This is an open item pending completion of the licensee actions. (8217-01)

#### 4. Calibration

The objective of this inspection was to ascertain that required calibrations at the specified frequencies, as delineated in the licensee's Technical Specifications, are being accomplished. The NRC inspector reviewed the licensee's program for calibration as defined in Standing Order M-26, "Calibration Procedures," Revision 5, October 28, 1980. A sample of safety-related instruments was selected from Technical Specifications Tables 3-1, 3-2, and 3-3; and the documentation for each was reviewed to assure:

- . completeness,
- . that acceptance criteria were established and met,
- . that the proper procedure and revision was used,
- . that the procedure had been reviewed and approved as required by Technical Specifications,
- . that the procedure requirements were adhered to and the steps were performed by qualified personnel, and
- . that satisfactory calibration, to the required accuracy, would result.

The following are the procedures reviewed:

<u>Instrument</u>	<u>Procedure</u>	<u>Rev.</u>	<u>Date</u>
Steam Generator Pressure	CP-A/902	6	7/15/81
	CP-B/902	6	7/15/81
	CP-C/902	6	7/15/81
	CP-D/902	6	7/15/81
Pressurizer Level	CP-101Y	9	9/23/80
	CP-101X	9	9/23/80
Nuclear Detector Well Cooling Annulus Exit Air Temperature	CP-733A	6	8/07/78
	CP-733B	6	8/07/78

<u>Instrument</u>	<u>Procedure</u>	<u>Rev.</u>	<u>Date</u>
Low Temperature Setpoint	CP-105/123	8	8/27/81
Power-Operated Relief Valves	CP-113/115	7	8/27/81
Auxiliary Feedwater Flow	CP-1110	4	7/15/81
	CP-1109	4	7/15/81
Subcooling Margin Meter	CP-SCMM	0	8/13/81
PORV Operation and Acoustic Position Indication	CP-Acoustic	0	12/3/81
PORV/Safety Valve Tail Pipe Temperature	CP-134	2	6/14/77
Primary CEA Position Indication System	ST-CEA-1	34	5/07/81
Secondary CEA Position Indication System	ST-SCEAPIS	3	6/01/79
4.16 kv Emergency Bus Low Voltage	CP-SVR-1	2	4/09/81

Calibration records for selected test equipment were reviewed to verify that the test instruments were in calibration at the time of their use in the preceding safety-related equipment calibration. The records for the following pieces of test equipment were reviewed:

Dead Weight Tester #221  
 Voltmeter #230  
 Digital Voltmeter #144  
 Fluke Meter #142

The calibration records for these test instruments were complete and calibration was traceable to the National Bureau of Standards. Storage and care of the instruments were acceptable.

During the review of the calibration procedures for safety-related equipment, the NRC inspector identified a discrepancy between the frequency of calibration as defined by the Technical Specifications and the frequency identified in the surveillance tests associated with the calibrations. In the Technical Specifications, "R" is defined as "18 months." The frequency identified in each procedure is "Refueling." With the licensee's planned core life extension, this could lead to a frequency of performance problem.

This was discussed with licensee representatives and they stated that a change to the Technical Specification definition would be pursued. This is an open item pending licensee action. (8217-02)

No violations or deviations were identified in this area of the inspection.

5. Exit Interview

An exit interview was conducted September 3, 1982, with those Omaha Public Power District personnel denoted in paragraph 1 of this report. At this meeting the scope of the inspection and the findings were summarized.