

APPENDIX

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

Report No. 50-298/81-15

Docket No. 50-298

License No. DPR-46

Licensee: Nebraska Public Power District
P. O. Box 499
Columbus, Nebraska 68601

Facility Name: Cooper Nuclear Station

Inspection At: Cooper Nuclear Station, Nemaha County, Nebraska

Inspection conducted: July 1 - July 31, 1981

Resident
Inspector:

T. F. Westerman for
D. L. Dubois, Resident Reactor Inspector
Projects Section No. 1

8-14-81
Date

Approval:

T. F. Westerman
T. F. Westerman, Chief
Projects Section 1

8-14-81
Date

Inspection Summary

Inspection on July 1 - July 31, 1981 (Report No. 50-298/81-15)

Areas Inspected: Routine, announced inspection of operational safety verification; monthly equipment surveillance and maintenance observations. This inspection involved 81 inspector hours on site by two NRC inspectors.

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

DETAILS1. Persons Contacted

*L. Lessor, Plant Superintendent
R. Creason, Operations Supervisor
P. Borer, Engineering Supervisor
J. Sayer, C&HP Supervisor
R. Brungardt, Surveillance Planner
L. Bednar, Electrical Engineer

*Indicates presence at exit meetings.

2. Operational Safety Verification

The NRC inspectors observed control room operations, instrumentation, controls, and reviewed applicable logs and conducted discussions with control room operators. The inspectors verified operability of 1 and 2 Diesel Generators, 'A' Core Spray System (W), 'B' Core Spray System (M), Containment Cooling Subsystem (RHR Service Water), 'B' Standby Gas Treatment System and reviewed tagout records and verified proper return to service of affected components. They also verified that maintenance requests had been initiated for equipment discovered to be in need of maintenance, that the appropriate priority was assigned and that maintenance was performed in a timely manner commensurate with the priority assigned.

Tours of accessible areas of the facility were conducted to observe normal security practices, plant and equipment conditions including cleanliness, radiological controls, fire suppression systems, emergency equipment, potential fire hazards, fluid leaks, excessive vibration and instrumentation adequacy.

These reviews and observations were conducted to verify that facility operations were in conformance with the requirements established in the Technical Specifications, 10 CFR and Administrative Procedures.

No violations or deviations were identified in these areas.

3. Surveillance Observations

The inspectors observed portions of Technical Specification required surveillance testing to verify that testing was performed in accordance with adequate procedures, that test instrumentation was in calibration, that Limiting Conditions for Operations were met, that removal and restoration of the affected components was accomplished, that test results

conformed with Technical Specifications and procedure requirements and were reviewed by personnel other than the person directing the test, and that any deficiencies identified during testing were properly reviewed and resolved by appropriate management personnel.

The following tests were selected and observed:

6.3.12.1	#1 Diesel Generator Operability Test
6.3.12.1	#2 Diesel Generator Operability Test
6.3.19.1	Standby Gas Treatment Operability Test
6.3.20.1	RHR SWBP Flow and Valve Operability Test
6.4.8.5	TIP - Ball Valve Exercising
10.1	APRM Calibration

These reviews and observations were conducted to verify that facility operations were in conformance with the requirements established in the Technical Specifications, 10 CFR and Administrative Procedures.

No violations or deviations were identified in these areas.

4. Maintenance Observations

The inspectors observed portions of the following maintenance activities:

MWR#81 - 1608	#1 Diesel Engine Fuel Oil Leak
MWR#81 - 1610	#2 Diesel Engine Fuel Oil Leak
MWR#81 - 1614	#1 Diesel Engine Control Air Leak

The following Clearance Orders were reviewed; placement and restoration verified:

C.O. #81-385	A and C, B and D, SW Booster Pumps
C.O. #81-411	SW Motor Operated Valve 89-B
C.O. #81-413	#1 Diesel Generator
C.O. #81-414	#2 Diesel Generator

Included with the above were checks for availability of redundant equipment, adequate safety isolation and clearance, accomplishment of work in accordance with approved procedures and Technical Specification requirements, verification that QC checks were performed as required, cleanliness controls and health physics coverage was adequate.

No violations or deviations were identified in the above areas.

5. Exit Meetings

Exit meetings were conducted at the conclusion of each portion of the inspection. The Plant Superintendent was informed of the above findings.