

APPENDIX

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

Report No. 50-298/81-20

Docket No. 50-298

License No. DPR-46

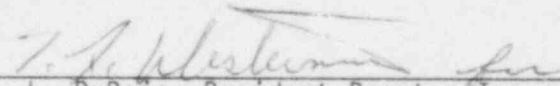
Licensee: Nebraska Public Power District
Post Office Box 499
Columbus, Nebraska 68601

Facility Name: Cooper Nuclear Station

Inspection At: Cooper Nuclear Station, Nemaha County, Nebraska

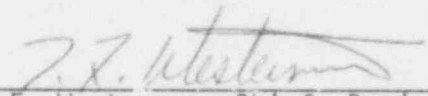
Inspection Conducted: September 1-30, 1981

Resident
Inspector:


D. L. DuBois, Resident Reactor Inspector
Projects Section 1

11-28-81
Date

Approved by:


T. F. Westerman, Chief, Project Section 1

11-28-81
Date

Inspection Summary:

Inspection on September 1-30, 1981 (Report No. 50-298/81-20)

Areas Inspected: Routine, announced inspection of operational safety verification; monthly equipment surveillance and maintenance observations. This inspection involved 83 inspector hours on site by one NRC inspector.

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

DETAILS1. Persons Contacted

- *L. Lessor, Plant Superintendent
- D. Thomason, Assistant Plant Superintendent
- R. Creason, Operations Supervisor
- J. Sayer, C&HP Supervisor
- P. Borer, Engineering Supervisor

*Indicates presence at exit meetings.

2. Operational Safety Verification

The NRC inspector observed control room operations, instrumentation, controls, reviewed applicable logs, and conducted discussions with control room operators. The inspector verified operability of Standby Liquid Control System (M), #2 Diesel Generator (M), 'A' and 'B' Core Spray Systems (W), High Pressure Coolant Injection System (W), reviewed tagout records, and verified proper return-to-service of affected components. He 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 inspector 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, #2 Diesel Generator Operability Test

6.3.19.1, Standby Gas Treatment Operability Test

6.4.8.5, TIP-Ball Valve Exercising

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 inspector observed portions of the following maintenance activities:

WIT 81-0252, MDC 81-085 RR MG, Set Scoop Tube Replacement

WIT 81-0892, MDC 80-079, Replacement of SBM Switches

WIT 81-1589, MDC 81-064, Drywell SRV Supports

WIT 81-1590, MDC 80-065 Torus Internals Modification

WIT 81-1692, MDC 81-081 SW-MO-89B Re-modification

WIT 81-1806, HPCI Turbine Inspection

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

C.O. 81-463, RHR-MO-16B, (Placement)

C.O. 81-464, HPCI Turbine, (Placement)

C.O. 81-475, CS, RHR, HPCI, RCIC, (Placement)

C.O. 81-496, 'B' RR Motor Generator Set, (Placement)

C.O. 81-510, MSIV's, (Placement)

C.O. 81-523, 'A' RR Motor Generator Set, (Placement)

C.O. 81-453, 'C' Service Water Pump (Restoration)

C.O. 81-468, 'A' and 'B' RHR Hx, (Restoration)

- C.O. 81-474, 'A' and 'B' CS Pumps Suctions (Restoration)
- C.O. 81-478, HPCI-MO-19, (Restoration)
- C.O. 81-479, REC Hx Service Water, (Restoration)
- C.O. 81-485, 'B' RR Motor Generator Set, (Restoration)
- C.O. 81-489, RHR-MO-66-A, (Restoration)
- C.O. 81-497, 'B' RR MG Set Motor, (Restoration)
- C.O. 81-503, RCIC-MO-131, (Restoration)
- C.O. 81-522, 'A' RHR Pump Motor, (Restoration)
- C.O. 81-528, Breaker IFE, (Restoration)

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.