

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

REGION III

Report No.: 50-282/80-03; 50-306/80-04

Docket No.: 50-282; 50-306

License No.: DPR-42; DPR-60

Licensee: Northern States Power Company
414 Nicollet Mall
Minneapolis, MN 55401

Facility Name: Prairie Island Nuclear Generating Plant Units 1 and 2

Inspection At: Red Wing, MN

Inspection Conducted: February 1-29, 1980

Inspector: *D.C. Boyd*
for C. D. Feierabend3-25-80Approved By: *D.C. Boyd*
D. C. Boyd, Chief,
Reactor Projects Section 3-13-25-80Inspection SummaryInspection on February 1-29, 1980 (Report No. 50-282/80-03; 50-306/80-04)Areas Inspected: *Management meeting on February 26, 1980. Routine resident inspection of plant operation, maintenance, surveillance, security radioactive waste system, and followup of operating event. The inspection involved 88 inspector hours onsite by one NRC inspector.Results: No items of noncompliance or deviations were identified.

* Separate report issued for management meeting.

DETAILS

1. Personnel Contacted

F. Tierney, Plant Manager
J. Brokaw, Plant Superintendent, Operations and Maintenance
E. Watzl, Plant Superintendent, Plant Engineering and
Radiation Protection
A. Hunstad, Staff Engineer
R. Lindsey, Superintendent, Operations
J. Nelson, Superintendent, Maintenance
J. Hoffman, Superintendent, Technical Engineering
D. Mendele, Superintendent, Operations Engineering
D. Schuelke, Superintendent, Radiation Protection
A. Smith, Senior Scheduling Engineer
R. Conklin, Supervisor, Security and Plant Services
G. Sundberg, Instrument Engineer
J. Lyons, Chief Electrician
W. Phillips, Maintenance Supervisor
D. Cragoe, Shift Supervisor
G. Edon, Shift Supervisor
R. Holthe, Shift Supervisor
M. Balk, Shift Supervisor
R. Flack, Shift Supervisor
J. Meath, Shift Supervisor
D. Walker, Shift Supervisor

2. Plant Operations

The inspector reviewed plant operations including examination of selected operating logs, special orders, temporary memos, jumper and tagout logs for the month of January. Tours of the plant included walks through the various areas of the plant to observe operations and activities in progress; to inspect the status of monitoring instruments, to observe for adherence to radiation controls and fire protection rules, to check proper alignment of selected valves and equipment controls, and to review status of various alarmed annunciators with operators.

The inspector also reviewed annunciator status, recorder charts, surveillance records, and logs to verify that plant operations were maintained in accordance with Technical Specification requirements.

The inspector found that there was a need to upgrade quality of log entries and surveillance test documentation. This was discussed during the management interview.

3. Operating Event

During surveillance testing of the D1 diesel generator (D1) on February 18, 1980, the control operator was not able to increase the load above 1400 kw limited by the local load limit control, that had apparently been lowered during shutdown after the previous surveillance test conducted on February 4, 1980. Review of logs and interviews with personnel verified that D1 was operable and had been demonstrated to be operable on February 5, when the Unit 2 annual surveillance test of the safeguards system was performed satisfactorily.

Review of the surveillance procedure and checklist determined that the correct position for the local load limit control had not been specified. This was considered to be a deficiency in the procedure and will be reported by the licensee in accordance with Technical Specification requirements. The licensee is revising the procedure to require verification of the local control.

4. Independent Verification

The inspector performed an independent verification of the licensee's checklist for instrumentation inside containment prior to restart of Unit 2 after the refueling outage. No discrepancies were found.

The inspector performed an independent verification of the accessible components of the unit 1 auxiliary feedwater system.

5. Security

The inspector conducted periodic observations of access control, issuing badges, vehicle inspection, escorting, and communication checks.

No items of noncompliance or deviations were identified.

6. Maintenance

The inspector reviewed several work requests (WR's) and work request authorizations (WRA's) and verified that all required reviews and approvals had been completed. The inspector observed work in progress during repacking of a unit 2 feedwater regulating valve. No items of concern were identified.

7. Radioactive Waste Systems

The inspector observed drumming operations being performed on February 6, 1980. The drums were filled and moved into temporary storage locations in accordance with procedures.

No items of concern were identified.

8. Exit Interview

The inspector conducted an exit interview with Mr. Tierney at the conclusion of the inspection. The inspector discussed the scope and results of the inspection and stated that although the event involving the D1 load limit control did not make the system inoperable, it did identify a component that could affect the capability of the diesel generator if not under adequate control. The licensee stated that revisions to procedures and/or check lists will include verification of the load limit control.

The inspector stated that his reviews of logs found that some log entries do not appear to adequately describe an action or operation, especially where some difficulty or abnormal operation is involved. The licensee stated that maintenance of logs has been an item that needs periodic attention, and that it will again be emphasized by supervisors and in retraining.