

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

REGION III

Report No. 50-282/79-01; 50-306/79-01

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: Prairie Island Site, Red Wing, MN

Inspection Conducted: January 2-31, 1979

*RFW for*  
Inspector: C. D. Feierabend

2-14-79

*RFW Warnick*  
Approved By: R. F. Warnick, Chief  
Reactor Projects Section 2

2-14-79

Inspection Summary

Inspection on January 2-31, 1979 (Reports No. 50-282/79-01 and No. 50-306/79-01)

Areas Inspected: Routine resident inspection of plant operations, security, maintenance, review and audit, quality assurance, procedures, and followup on previous inspection findings. The inspection involved 101 inspector-hours onsite by one NRC inspector.

Results: Of the eight areas inspected, no items of noncompliance or deviations were found in six areas. One item of noncompliance was found in each of two areas (infraction - insufficient measures to assure prompt corrective action, Paragraph 7; infraction - failure to establish an inspection program, Paragraph 8).

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## DETAILS

### 1. Persons Contacted

#### NSP Corporate Office

D. Gilbert, General Manager, Power Production  
G. Neils, General Superintendent, Nuclear Power Plant Operations  
L. Mayer, Manager, Nuclear Support Services  
\*T. McFadden, General Superintendent, Quality Assurance

#### Prairie Island Plant

F. Tierney, Plant Manager  
J. Brokaw, Superintendent, Operations and Maintenance  
\*E. Watzl, Superintendent, Plant Engineering and Radiation Protection  
\*A. Hunstad, Staff Engineer  
R. Lindsay, Operations Supervisor  
J. Nelson, Maintenance Supervisor  
P. Jones, Plant Engineer, Nuclear  
J. Hoffman, Plant Engineer Technical  
D. Mandele, Plant Engineer, Operations  
D. Schuelke, Superintendent, Radiation Protection  
S. Fehn, Senior Scheduling Engineer  
M. Sellman, Senior Nuclear Engineer  
R. Conklin, Supervisor, Security and Plant Services  
R. Warren, Office Supervisor  
\*J. Leveille, Quality Assurance Engineer  
R. Pederson, Quality Assurance Engineer  
G. Sundberg, Instrument Engineer  
D. Cragoe, Shift Supervisor  
G. Edon, Shift Supervisor  
P. Ryan, Shift Supervisor

In addition, the inspector observed and held discussions with other engineers, shift supervisors, and reactor operators.

\*Denotes those attending exit interview.

### 2. Licensee Action on Previous Inspection Findings

(Closed) Noncompliance (282/78-12; 306/78-13): Deficiency of Index to Design Changes.

The inspector verified that corrective action was completed.

3. 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.

No items of noncompliance or deviations were identified.

4. 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.

5. 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.

6. Procedures

The inspector completed review of selected operating, emergency, and maintenance procedures for administrative control and technical content.

Review of selected operating procedures verified that they had been reviewed by the Operations Committee within the past two years as required by Technical Specifications and determined that the technical content was adequate.

No items of concern were identified.

7. Review and Audits

a. Operations Committee (OC)

The inspector reviewed minutes of OC meetings conducted during 1978 and verified that frequency and quorum requirements had been satisfied. The inspector selected several design changes and proposed changes to Technical Specifications and verified that they had been reviewed as required.

One weakness was identified in the area of corrective actions for reportable occurrences and items of noncompliance. There was no apparent mechanism for assuring that corrective action commitments had been completed other than identification in committee minutes that final review was complete.

The inspector selected several occurrence reports for verification that corrective action was complete. For occurrence No. P-RO-77-33 dated September 2, 1977, Both Trains of Auxiliary Building Special Ventilation System Made Inoperable on Auto Start From Unit 2 Signal, no evidence could be found to verify that a design change had been initiated. Review of OC minutes identified the occurrence as closed in OC Minutes No. 367 for the meeting conducted on February 9, 1978. A design change had not been completed.

This is considered to be in noncompliance with 10 CFR 50, Appendix B, Section XVI, Corrective Actions.

The inspector attended the OC meeting held on January 25, and observed resolution of items on the agenda. No areas of concern were identified.

b. Safety Audit Committee (SAC)

The inspector reviewed records of SAC meetings and audits conducted in 1978, and verified that frequency and quorum requirements were met. No items of concern were identified.

8. Quality Assurance

The inspector started review of the status of implementation of the licensee's Operational Quality Assurance Plan (OQAP).

The licensee had revised the plan to include 10 CFR 71.51 requirements and to make minor revisions. Discussions with corporate management indicated that some additional corporate organizational changes were in progress that will require updating portions of the OQAP.

Discussions with corporate and plant QA staff and management indicated that the licensee has not yet fully addressed the inspection function in corporate Administrative Control Directives (ACD's) nor fully defined the inspection program that will be implemented. Lack of a complete inspection program is considered to be in noncompliance with 10 CFR 50, Appendix B, Criterion X.

Discussions with corporate and plant QA staff indicated that although several Administrative Control Directives (ACD's) had been issued and revised, considerable effort remained. It was observed that in some areas plant ACD's were being delayed because corporate ACD's had not been issued.

NSP's letter of March 8, 1978, to the Director of NRR regarding "Operational Quality Assurance Plan Implementation" indicates ACD's would be reviewed and revised in 1978 and the implementation of the revised Directives would be verified in the 1979 Audit Program.

The inspector's review of the status of implementation of the QA Plan will be continued during subsequent inspections.

#### 9. Exit Interviews

The inspector attended an exit interview conducted by IE RIII inspector T. Daniels on January 17, 1979. No items of noncompliance or deviations were identified.

The inspector conducted weekly interviews with plant management personnel and conducted an exit interview with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection. The inspector discussed the scope and results of the inspection.

The licensee stated that a design change had recently been initiated to complete the corrective action for Occurrence Report No. P-RO-77-33.

1/ NSP Ltr to NRR, Subject: Quality Assurance Program for the Use of Packages for Transport of Radioactive Materials, dtd 6/27/78.

After discussion of the status of the OQAP, a licensee representative described areas where inspection activities had been implemented, i.e. weld inspection and inservice inspection, and stated that, in his opinion, a program existed (although it may not be adequate) and that he did not consider this to be in non-compliance with the requirement to establish a program.

Licensee representatives also stated that the inspection function was an open item on an internal audit, and would be addressed.

Attachments: Preliminary  
Inspection Findings.

PRELIMINARY INSPECTION FINDINGS

1. LICENSEE Northern States Power Company 414 Nicollet Mall Minneapolis, MN 55401  Prairie Island 1 (Redwing, MN) Prairie Island 2 (Redwing, MN)		2. REGIONAL OFFICE  U.S. Nuclear Regulatory Commission Office of Inspection & Enforcement, RIII 799 Roosevelt Road Glen Ellyn, IL 60137	
3. DOCKET NUMBERS 50-282; 50-306	4. LICENSE NUMBERS DPR-42: DPR 60	5. DATE OF INSPECTION <i>January 2-5, 1979</i>	

6. Within the scope of the inspection, no items of noncompliance or deviation were found.

7. The following matters are preliminary inspection findings:

8. These preliminary inspection findings will be reviewed by NRC Supervision/ Management at the Region III Office and they will correspond with you concerning any enforcement action.

*C. J. Fierabend*  
 Nuclear Regulatory Commission Inspector

PRELIMINARY INSPECTION FINDINGS

1. LICENSEE

Northern States Power Company  
414 Nicollet Mall  
Minneapolis, MN 55401  
Prairie Island 1 (Redwing, MN)  
Prairie Island 2 (Redwing, MN)

2. REGIONAL OFFICE

U.S. Nuclear Regulatory Commission  
Office of Inspection & Enforcement, RIII  
799 Roosevelt Road  
Glen Ellyn, IL 60137

3. DOCKET NUMBERS  
50-282; 50-306

4. LICENSE NUMBERS  
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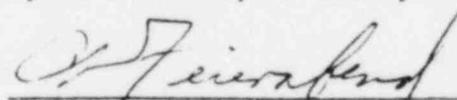
5. DATE OF INSPECTION

*January 6-12, 1979*

6. Within the scope of the inspection, no items of noncompliance or deviation were found.

7. The following matters are preliminary inspection findings:

8. These preliminary inspection findings will be reviewed by NRC Supervision/Management at the Region III Office and they will correspond with you concerning any enforcement action.

  
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Nuclear Regulatory Commission Inspector

PRELIMINARY INSPECTION FINDINGS

## 1. LICENSEE

Northern States Power Company  
 414 Nicollet Mall  
 Minneapolis, MN 55401  
 Prairie Island 1 (Redwing, MN)  
 Prairie Island 2 (Redwing, MN)

## 2. REGIONAL OFFICE

U.S. Nuclear Regulatory Commission  
 Office of Inspection & Enforcement, RIII  
 799 Roosevelt Road  
 Glen Ellyn, IL 60137

3. DOCKET NUMBERS  
 50-282; 50-306

4. LICENSE NUMBERS  
 DPR-42; DPR 60

5. DATE OF INSPECTION

*January 15-19, 1979*

6. Within the scope of the inspection, no items of noncompliance or deviation were found.

7. The following matters are preliminary inspection findings:

8. These preliminary inspection findings will be reviewed by NRC Supervision/Management at the Region III Office and they will correspond with you concerning any enforcement action.

*A. J. Feinberg*  
 Nuclear Regulatory Commission Inspector

PRELIMINARY INSPECTION FINDINGS

1. LICENSEE Northern States Power Company 414 Nicollet Mall Minneapolis, MN 55401  Prairie Island 1 (Redwing, MN) Prairie Island 2 (Redwing, MN)		2. REGIONAL OFFICE U.S. Nuclear Regulatory Commission Office of Inspection & Enforcement, RIII 799 Roosevelt Road Glen Ellyn, IL 60137	
3. DOCKET NUMBERS 50-282; 50-306	4. LICENSE NUMBERS DPR-42; DPR 60	5. DATE OF INSPECTION January 22-31, 1979	

6. Within the scope of the inspection, no items of noncompliance or deviation were found.

7. The following matters are preliminary inspection findings:

Based on the inspection conducted on January 2-31, 1979, it appears that certain of your activities were in noncompliance with NRC requirements, as noted below.

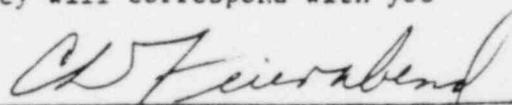
1. Criterion XVI of Appendix B to 10CFR 50 requires that "Measures shall be established to assure that conditions adverse to quality, such as failures, malfunctions, deficiencies, deviations, defective material and equipment and nonconformances are promptly identified and corrected."

Contrary to the above, measures were not sufficient to assure prompt corrective action identified as required by your occurrence report No. P-RO-77-33, dated September 2, 1977.

2. Criterion X of Appendix B to 10 CFR 50 requires that, "A program for inspection of activities affecting quality shall be established and executed . . .".

Contrary to the above, an inspection program has not been established.

8. These preliminary inspection findings will be reviewed by NRC Supervision/Management at the Region III Office and they will correspond with you concerning any enforcement action.

  
Nuclear Regulatory Commission Inspector