



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
799 ROOSEVELT ROAD  
GLEN ELLYN, ILLINOIS 60137

JUN 11 1993

Docket No. 50-282  
Docket No. 50-306

Northern States Power Company  
ATTN: Mr. D. D. Antony  
Vice President, Nuclear  
Generation  
414 Nicollet Mall  
Minneapolis, MN 55401

Dear Mr. Antony:

This refers to the special electrical distribution system functional inspection (EDSFI) conducted by Mr. Rolf A. Westberg and others of this office on April 12 through May 14, 1993. The inspection evaluated activities at the Prairie Island Nuclear Generating Station, Units 1 and 2, authorized by NRC Operating Licenses No. DPR-42 and No. DPR-60. We discussed our inspection findings with Mr. M. Wadley and members of your staff at the exit interview on May 14, 1993. The team concluded that Prairie Island's electrical distribution system (EDS) was designed, operated and maintained in an effective manner. The team also concluded that Prairie Island's engineering and technical function support was good.

The enclosed inspection report identifies areas examined during the inspection. The team assessed the design, implementation, and engineering technical support relative to the EDS. The inspection reviewed selected design calculations, relevant procedures, representative records, installed equipment, and interviewed engineering and technical support staff.

Through its review activities, the team identified some strengths and weaknesses. Most notable among the strengths were robust EDS design; competent, well qualified people with good plant knowledge; good plant material condition; excellent EDS surveillances; and good self assessment relative to the EDS. The recently completed installation of the D5 and D6 emergency diesel generators constituted a significant improvement to your EDS. Minor weaknesses were identified relative to design and calculations.

Various commitments were made as documented in the enclosed report to address the concerns of the inspection team. In addition, one followup item was identified in the report. This item and commitments will be reviewed during a followup inspection.

During this inspection, one unresolved item (282/93007-02; 306/93007-02) was identified regarding the lack of an analyses to demonstrate tornado qualification of the EDG ventilation dampers. We request that you submit within 60 days of the date of the letter transmitting this inspection report, a written response detailing: (1) the steps that will be taken to address the damper issue; and (2) the date when the analyses will be completed.

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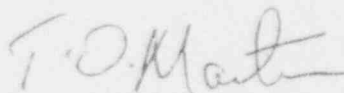
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No violations of NRC requirements were identified during the course of this inspection.

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter and the enclosures will be placed in the NRC Public Document Room.

We will gladly discuss any questions you have concerning this inspection.

Sincerely,



T. O. Martin, Acting Director  
Division of Reactor Safety

Enclosures:

1. Inspection Reports  
    No. 50-282/93007(DRS);  
    No. 50-306/93007(DRS)
2. Appendix A - Personnel  
    Contacted
3. Appendix B - Requests  
    for Information

See Attached Distribution

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Distribution

cc w/enclosures:

E. L. Watzl, Site Manager,  
Prairie Island Site

M. Wadley, Plant Manager  
OC/LFDCB

Resident Inspector, RIII  
Prairie Island

Resident Inspector, RIII  
Monticello

John W. Ferman, Ph.D.,  
Nuclear Engineer, MPCA

Kris Sanda, Commissioner  
Minnesota Dept. of Public  
Service

Prairie Island LPM, NRR

Robert M. Thompson, Administrator

WI Division of Emergency Government

W. Hodges, RI

J. Durr, RI

A. Gibson, RII

C. Julian, RII

S. Collins, RIV

T. Steka, RIV

K. Perkins, RV

L. Miller, RV

E. Imbro, NRR