



Northern States Power Company

Prairie Island Nuclear Generating Plant

1717 Wakonade Dr. East  
Welch, Minnesota 55089

May 29, 1996

Generic Letter 92-08

U S Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT  
Docket Nos. 50-282 License Nos. DPR-42  
50-306 DPR-60

Follow-up Response to the November 17, 1994 Request for Additional  
Information Regarding Thermo-Lag Related Ampacity Derating Issues  
(TAC Nos. M85592 and M85593)

In a letter dated November 17, 1994, the Nuclear Regulatory Commission (NRC) transmitted a Request for Additional Information (RAI) Regarding Thermo-Lag Related Ampacity Derating Issues for Prairie Island Nuclear Generating Plant.

In a letter dated January 31, 1995 we provided our response to the first 12 concerns expressed in the RAI. We stated that we would respond to the remaining concerns (13 through 20) by June 30, 1995. Following the June 1995 submittal there was a telephone conference between NSP and NRC staff on January 30, 1996 during which the NRC requested a representative calculation related to ampacity issues for Darmatt applications.

Attached to this letter is a calculation for conductor temperature in conduit wrapped with 1-hour Darmatt fire barrier for several cables installed at Prairie Island.

In this letter we have made no new Nuclear Regulatory Commission commitments.

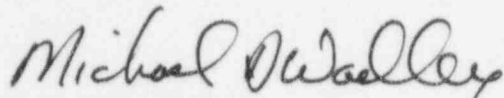
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NORTHERN STATES POWER COMPANY

Please contact Jack Leveille (612-388-1121, Ext. 4662) if you have any questions related to this letter.



Michael D Wadley  
Plant Manager  
Prairie Island Nuclear Generating Plant

c: Regional Administrator - Region III, NRC  
Senior Resident Inspector, NRC  
NRR Project Manager, NRC  
J E Silberg

Attachments:

1. Affidavit
2. Calculation PI-NSP-95-002, Calculation for Conductor Temperature in Conduits Wrapped with 1-Hour Darmatt Fire Barrier (including only Appendix A to the Calculation)

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

DOCKET NO. 50-282  
50-306

GENERIC LETTER 92-08, THERMO-LAG 330-1 FIRE BARRIERS

Northern States Power Company, a Minnesota corporation, with this letter is submitting information requested by NRC Generic Letter 92-08, pursuant to 10 CFR 50.54(f).

This letter contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

BY Michael D Wadley  
Michael D Wadley  
Plant Manager  
Prairie Island Nuclear Generating Plant

On this 27<sup>th</sup> day of May 1996 before me a notary public in and for said County, personally appeared Michael D Wadley, Plant Manager, Prairie Island Nuclear Generating Plant; and being first duly sworn acknowledged that he is authorized to execute this document on behalf of Northern States Power Company, that he knows the contents thereof, and that to the best of his knowledge, information, and belief the statements made in it are true and that it is not interposed for delay.

Marcia K. LaCore

