



Northern States Power Company

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Welch, MN 55089  
Telephone 651-388-1121

July 7, 2000

10 CFR Part 50  
Section 50.90

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**

**Supplement 1 to License Amendment Request dated April 12, 1998**  
**Relocation of Shutdown Margin Requirements to Core Operating Limits Report**

Attached is a Technical Specification page from the subject license amendment request (LAR) impacted by Amendment 141/132 (issued 12/07/98). In Exhibits B and C of the subject LAR item a.5 was shown inserted in paragraph 6.7.A.6, Core Operating Limits Report, on page 6.7-3. Amendment 141/132 renamed this paragraph 6.7.E, Core Operating Limits Report (COLR), therefore, the inserted material should appear as item 1.e on page 6.0-13. Herein, Exhibit A contains the Technical Specification page marked up with this change and Exhibit B contains the Technical Specification page revised to incorporate the change. The Safety Evaluation, Significant Hazards Determination, and Environmental Assessment from the subject LAR are still applicable.

In this response we have made no new NRC commitments. If you have any questions related to this LAR, please contact John Stanton at 651-388-1121 x4083.

Joel P. Sorensen  
Site General Manager  
Prairie Island Nuclear Generating Plant

Attachments:

Affidavit

Exhibit A, Marked Up Technical Specification Page

Exhibit B, Revised Technical Specification Page

c: Regional Administrator -- III, NRC  
NRR Project Manager, NRC  
Senior Resident Inspector, NRC

James Bernstein, State of Minnesota  
J E Silberg

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UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY  
PRAIRIE ISLAND NUCLEAR GENERATING PLANT

DOCKET Nos. 50-282  
50-306

REQUEST FOR AMENDMENT TO  
OPERATING LICENSES DPR-42 & DPR-60

Supplement 1 to License Amendment Request dated April 12, 1998  
Relocation of Shutdown Margin Requirements to Core Operating Limits Report

Northern States Power Company, a Minnesota corporation, with this letter is submitting information to support a requested license amendment.

This letter and its attachments contain no restricted or other defense information.

NORTHERN STATES POWER COMPANY

By Joel P. Sorensen  
Joel P. Sorensen  
Site General Manager  
Prairie Island Nuclear Generating Plant

State of Minnesota

County of Goodhue

On this 7<sup>th</sup> day of July 2000 before me a notary public, personally appeared, Joel P. Sorensen, Site General 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.

Marlys E. Davis



**EXHIBIT A**

**Supplement 1 to License Amendment Request Dated April 12, 1998  
Relocation of Shutdown Margin Requirements to  
Core Operating Limits Report**

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Marked Up Technical Specification Page

TS.6.0-13

C. Radioactive Effluent Report

The Radioactive Effluent Report covering the operation of the plant during the previous calendar year shall be submitted by May 15 of each year. The report shall include a summary of the quantities of radioactive liquid and gaseous effluents and solid waste released from the plant. The material provided shall be consistent with the objectives outlined in the ODCM and in conformance with 10CFR50.36a and 10CFR50, Appendix I, Section IV.B.1.

D. Monthly Operating Reports

Routine reports of operating statistics and shutdown experience, including documentation of all challenges to the pressurizer power operated relief valves or pressurizer safety valves, shall be submitted on a monthly basis no later than the 15th of each month following the calendar month covered by the report.

E. Core Operating Limits Report (COLR)

1. Core operating limits shall be established prior to each reload cycle, or prior to any remaining portion of a reload cycle, and shall be documented in the COLR for the following:

a. Heat Flux Hot Channel Factor Limit ( $F_Q^{RTP}$ ), Nuclear Enthalpy

Rise Hot Channel Factor Limit ( $F\Delta_H^{RTP}$ ), PFDH, K(Z) and V(Z)  
(Specifications 3.10.B.1, 3.10.B.2 and 3.10.B.3)

b. Axial Flux Difference Limits and Target Band  
(Specifications 3.10.B.4 through 3.10.B.9)

c. Shutdown and Control Bank Insertion Limits  
(Specification 3.10.D)

d. Reactor Coolant System Flow Limit (Specification 3.10.J)

e. ~~Shutdown Margin~~

~~(Table TS 1-1 and Specifications 3.10.A.1 and 3.10.D.3)~~

2. The analytical methods used to determine the core operating limits shall be those previously reviewed and approved by the NRC, specifically those described in the following documents:

NSPNAD-8101-A, "Qualification of Reactor Physics Methods for Application to PI Units" (latest approved version)

NSPNAD-8102-A, "Prairie Island Nuclear Power Plant Reload Safety Evaluation Methods for Application to PI Units" (latest approved version)

**EXHIBIT B**

**Supplement 1 to License Amendment Request Dated April 12, 1998  
Relocation of Shutdown Margin Requirements to  
Core Operating Limits Report**

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Revised Technical Specification Page

TS.6.0-13

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