



Northern States Power Company
Prairie Island Nuclear Generating Plant
1717 Wakonade Dr. East
Welch, Minnesota 55089

March 3, 1997

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

Core Operating Limits Report for
Prairie Island Unit 2 Cycle 18, Revision 0

The attached revision to the Core Operating Limits Report for Prairie Island Unit 2 Cycle 18 is being provided in accordance with the requirements of Technical Specification Section 6.7.A.6. The limits specified in the attached Core Operating Limits Report have been established using NRC approved methodology.

The Unit 2 Core Operating Limits Report has been revised for Cycle 18 to incorporate the following changes:

1. The $F_{\Delta H}$ limit has been revised from 1.75 to 1.77
2. The discussions of the penalty on F_Q for small break LOCA ($K(z)$), and the transient power distribution penalty ($V(z)$), have been revised for clarity.
3. Table 1 has been updated to incorporate revised bounding $V(z)$ values.
4. Figures 2a through 2e have been updated and new Figures 2f and 2g have been added to incorporate revised bounding $V(z)$ values.

We have made no new Nuclear Regulatory Commission commitments in this letter or the attachment.

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Please contact Gene Eckholt (612-388-1121) if you have any questions related to this report.



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c: Regional Administrator - Region III, NRC
NRR Project Manager, NRC
Senior Resident Inspector, NRC
State of Minnesota
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Attachment: Core Operating Limits Report - Unit 2 Cycle 18, Revision 0