



Northern States Power Company

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December 8, 1993

Tech. Spec. 6.7.A.6

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 16

The attached revision to the Core Operating Limits Report for Prairie Island Unit 2 Cycle 16 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 to incorporate the following changes for Cycle 16:

1. The Heat Flux Hot Channel Factor and Nuclear Enthalpy Rise Hot Channel Factor Limits have been revised.
2. The peak linear heat generation rates used in the ECCS analyses have been revised.
3. Figure 1 has been revised to incorporate a $K(z)$ value of 1 for the full core height.
4. The multiple $V(z)$ curves have been replaced with a single figure containing bounding $V(z)$ curves for four ranges of exposures.
5. Additional information related to the bases for the $K(z)$ and $V(z)$ penalties has been incorporated.

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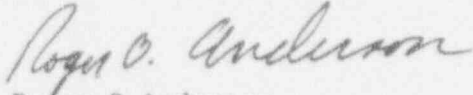
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Please contact Gene Eckholt (612-388-1121, Ext. 4663) if you have any questions related to these reports.



Roger O Anderson

Director

Licensing and Management Issues

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Attachment: Core Operating Limits Report Unit 2 Cycle 16, Revision 0