



Northern States Power Company

Monticello Nuclear Generating Plant  
2807 West Hwy 75  
Monticello, Minnesota 55362-9637

July 16, 1996

Technical Specification  
6.7.A.7

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

MONTICELLO NUCLEAR GENERATING PLANT  
Docket No. 50-263 License No. DPR-22

Submittal of the Core Operating Limits Report for Cycle 18, Revision 2

The Core Operating Limits Report (COLR) for Cycle 18 has been revised. Revision 2 was issued to provide corrected Power Dependent Minimum Critical Power Ratio (CPR) Limits, Figure 3 of the COLR.

NSP personnel identified a non-conservative assumption used for the generation of the power dependent CPR limits and Maximum Average Planar Linear Heat Generation Rate (MAPLHGR) Limits. This non-conservative assumption affected the portion of the Power Dependent CPR curve below 45% power. The power dependent CPR limits (Figure 3) were adjusted to adequately bound the results of the transient analysis below 45% of rated power and at a steam dome pressure low in the normal operating range. The previously published power dependent Maximum Average Planar Linear Heat Generation Rate (MAPLHGR) Limits (Figure 1) bound the results of the transient analysis initiated at a steam dome pressure low in the normal operating range and do not require adjustment.

NSP has confirmed that this non-conservative assumption had no adverse effect on core operating limits as Monticello has either operated in a region unaffected by the non-conservative assumption or fuel limits have been conservative with respect to the revised core operating limit. As a results of NSP's assessment of this issue and NSP's internal corrective action process, NSP has initiated corrective actions to prevent re-occurrence of this self identified issue as well as similar issues.

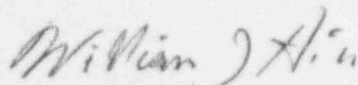
The enclosed report provides the values of the limits for Cycle 18 as required by Technical Specification Section 6.7.A.7. These values have been established using NRC approved methodology such that all applicable limits of the plant safety analysis are met.

Please contact Marv Engen at 612-295-1291 if you have any questions related to this submittal.

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NORTHERN STATES POWER COMPANY



William J Hill  
Plant Manager  
Monticello Nuclear Generating Plant

c: Regional Administrator-III, NRC  
NRR Project Mgr, NRC  
NRC Resident Inspector  
State of Minnesota Attn: Kris Sanda  
J Silberg

Enclosure: Core Operating Limits Report for Cycle 18 (Rev 2)