



Northern States Power Company

Monticello Nuclear Generating Plant
2807 West Hwy 15
Monticello, Minnesota 55362-9637

December 4, 1997

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

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

Revision 1 to License Amendment Request Dated July 26, 1996
Supporting the Monticello Nuclear Generating Plant
Power Rerate Program

Attached is Revision 1 to a proposed change to Operating License DPR-22, Docket No. 50-263, for the Monticello Nuclear Generating Plant (MNGP) dated July 26, 1996. This request is submitted in accordance with the provisions of 10 CFR 50.90. This revision supersedes the previous rerate license amendment request in all respects except for Exhibit F which has not been changed. Descriptions of the significant changes from the initial submittal are provided in Exhibit J. Changes to correct grammatical errors and changes that were made for the sole purpose of improving clarity without affecting content are not identified in Exhibit J.

The requested amendment proposes an increase in the MNGP Operating License maximum power level from 1670 megawatts thermal to 1775 megawatts thermal. This change reflects an increase of 6.3% above the currently licensed power level of 1670 megawatts thermal. The proposed action supports the MNGP project commonly referred to as Power Rerate.

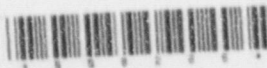
Supplemental Information

By letter dated September 5, 1997, NSP submitted its response to a staff RAI concerning power rerate. By letters dated June 19, 1997, July 16, 1997 (2), and July 21, 1997, NSP submitted its justification for containment analyses that bound power rerate operating conditions. These letters, in part, provide information that supports this request and should be considered as supplements to the license amendment request.

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ATWS Analysis

NSP was recently informed of an apparent error in the generic rerate analysis for an Anticipated Transient Without Scram (ATWS). This information was conveyed to the staff by a phone conversation on November 17, 1997. The error involves analytical assumptions for Boron concentration. General Electric is working to correct this error in the generic analysis. The extent of the error and its associated correction, as it is currently known to NSP, is not expected to prevent an analytical demonstration of successful mitigation of the ATWS event at power rerate conditions. NSP will submit a supplement to this revision of the license amendment request that confirms the acceptability of the revised generic ATWS analysis for MNGP at rerate conditions.

Resolution of Previous Power Rerate Issues

By letter dated January 27, 1997, NSP committed to conduct an independent review of the Monticello Power Rerate program. This review is complete. Issues identified during this review have been resolved. The issues contained in Attachment A of this letter were also completed with the following exceptions.

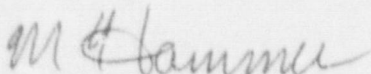
An evaluation of long-term post-LOCA heatup of the reactor building is in progress. The intent of this calculation is to confirm the conservatism of assumptions used in the rerate evaluation of Generic Letter 89-10 Motor Operated Valves and SBT System inlet and ambient temperatures. HELB impacts on Generic Letter 89-10 Motor Operated Valves have been evaluated. No impact on this submittal is anticipated. A commitment to complete this evaluation is contained in Exhibit H.

In accordance with a previous commitment, the calculation to support ECCS pump NPSH for debris loading on suction strainers will be completed by the end of the 1998 refueling outage. This approach has previously been reviewed and approved by the staff by SER dated July 25, 1997.

A number of commitments associated with this license amendment request are contained in Exhibit H. NSP expects that these commitments will be incorporated into the MNGP operating license.

Proprietary Information

Exhibits E and G contain information proprietary to GE. GE requests that these documents be withheld from public disclosure in accordance with 10CFR2.790(a)(4). An affidavit supporting this request in accordance with 10CFR2.790(b)(1) is provided with Exhibits E and G.



Michael F. Hammer
Plant Manager
Monticello Nuclear Generating Plant

c: Regional Administrator-III, NRC
NRR Project Manager, NRC - 15 copies
Resident Inspector, NRC
State of Minnesota, Attn: Kris Sanda
Jay Silberg, Esq.

Attachments:

- NSP Affidavit to the US Nuclear Regulatory Commission
- Exhibit A - Evaluation of Proposed Changes to Facility Operating License DPR-22 and the Technical Specifications for Operating License DPR-22
- Exhibit B - Proposed Changes Marked Up On Operating License and Technical Specification Pages
- Exhibit C - Revised Operating License and Technical Specification Pages
- Exhibit D - Summary of Plant Modifications for Power Rerate Implementation
- Exhibit E - NEDC-32546P "Power Rerate Safety Analysis Report for Monticello Nuclear Generating Plant" with GE Affidavit
- Exhibit F - MNGP Power Rerate Environmental Evaluation (Revised Cover Page Only)
- Exhibit G - NEDC-32514P "Monticello SAFER/GESTR-LOCA Loss-of Coolant Accident Analysis" with GE Affidavit
- Exhibit H - License Commitments Associated with Rev. 1 of the MNGP Power Rerate License Amendment Request
- Exhibit I - Evaluation of Offsite Power Under Power Rerate Conditions
- Exhibit J - Description of Revisions to Power Rerate License Amendment Request dated July 26, 1996
- Exhibit K - Evaluation of Proposed Changes to Selected USAR Sections