



Northern States Power Company

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

June 19, 1997

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

10 CFR Part 50  
Section 50.90

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

Revision No. 2 to License Amendment Request Dated January 23, 1997  
Update of Design Basis Accident Containment Temperature and Pressure Response  
TAC No. M97781

Attached is a complete revision and replacement for our January 23, 1997, License Amendment Request as revised and supplemented by our submittals dated January 28, 1997, and March 4, 1997. The scope of the License Amendment Request has been expanded to address the use of containment pressure for assuring adequate net positive suction head (NPSH) for emergency core cooling system (ECCS) pumps under worst-case conditions. This submittal also provides our response to NRC Staff requests for additional information dated March 12, 1997, and May 13, 1997.

The following Technical Specification changes are proposed:

- 1) Clarify Section 3.5/4.5.C of the Technical Specification Bases on pages 112 and 113 to describe the minimum Residual Heat Removal (RHR) and Residual Heat Removal Service Water (RHRSW) pump requirements for post accident containment heat removal. This will clearly identify the limiting combination of RHR and RHRSW pumps for suppression pool cooling with the limiting single failure (loss of diesel generator).
- 2) Clarify Section 3.7.A of the Technical Specification Bases on page 176 to state that credit is taken for containment pressure to meet the NPSH requirements for core spray and RHR pumps following a loss of coolant accident. The use of containment pressure to satisfy the NPSH requirements of core spray and RHR pumps was not adequately documented when the plant was originally licensed.

NRC Staff review and approval of the proposed changes is requested to provide resolution of one unreviewed safety question and one unresolved item which were identified during an NRC System Operational Performance Inspection (SOPI) completed on January 8, 1997.

9706240200 970619  
PDR ADOCK 05000263  
P PDR



12001/1

The following Exhibits are included with this License Amendment Request:

- Exhibit A - Description of the proposed changes, the reasons for requesting the changes, a Safety Evaluation, a Determination of Significant Hazards Consideration, and an Environmental Assessment.
- Exhibit B - Current Technical Specification pages marked up with the proposed changes.
- Exhibit C - Revised Monticello Technical Specification pages.
- Exhibit D - General Electric Report GE-NE-T2300731-2, "Monticello Nuclear Generating Plant LOCA Containment Analysis For Use in Evaluation of NPSH for the RHR and Core Sprav Pumps," June, 1997
- Exhibit E - Duke Engineering & Services Calculation Package V75100.NSP97.00501, "Determination of Containment Overpressure Required for Adequate NPSH of the Low Pressure ECCS Pumps," June 18, 1997
- Exhibit F - "Torus Attached Piping Evaluation," Monticello Nuclear Generating Plant, Revised June, 1997
- Exhibit G - "Evaluation of RHR Room Temperature During DBA LOCA," Monticello Nuclear Generating Plant, Revised June, 1997
- Exhibit H - "Evaluation of Environmental Qualification Bounding Conditions," Monticello Nuclear Generating Plant, June, 1997
- Exhibit I - Response to NRC Request for Additional Information dated March 12, 1997
- Exhibit J - Response to NRC Request for Additional Information dated May 13, 1997

USNRC  
June 19, 1997  
Page 3

Northern States Power Company

This submittal contains no new NRC commitments, nor does it modify any prior commitments. Please contact Mr Joel Beres, Licensing Engineer, at (612) 295-1436 if you require additional information related to this request.



William J Hill  
Plant Manager  
Monticello Nuclear Generating Plant

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

Attachments: Affidavit to the US Nuclear Regulatory Commission  
Exhibits A - J