



Northern States Power Company

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

June 22, 1995

10 CFR Part 50
Section 50.90

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

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

License Amendment Request Dated June 22, 1995
Technical Specification Changes to Support
Implementation of BWR Thermal Hydraulic Stability Solution

Attached is a request for a change in the Technical Specifications, Appendix A of the Operating License for the Monticello Nuclear Generating Plant. This request is submitted in accordance with the provisions of 10 CFR Part 50, Section 50.90.

The proposed changes provide the requirements for avoidance and protection from thermal hydraulic instabilities to be consistent with BWROG long term solution Option 1-D described in NEDO-31960 and NEDO-31960 Supplement 1, "BWR Owner's Group Long-Term Stability Solution Licensing Methodology". Exhibit A contains 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 contains the current Technical Specification pages marked up with the proposed changes. Exhibit C contains revised Monticello Technical Specification pages.

By letter dated September 9, 1994, from William J Hill to USNRC, with subject: Response to NRC Generic Letter 94-02, "Long-Term Solutions and Upgrade of Interim Operating Recommendation for Thermal-Hydraulic Instabilities in Boiling Water Reactors", Monticello committed to submit a plant specific topical report demonstrating applicability of solution option 1-D as well as an implementation schedule for solution option 1-D. Enclosed with this submittal is GENE-637-043-0295, Application of the "Regional Exclusion with Flow-Biased APRM Neutron Flux Scram" Stability Solution (Option 1-D) to the Monticello Nuclear Power Plant, which provides the plant specific licensing topical report. This report contains information proprietary to the General Electric Company. The required affidavit, per 10 CFR 2.790, requesting that report GENE-637-043-0295 be withheld from public disclosure is provided. Attachment 1 provides our implementation schedule for solution option 1-D.

In our September 9, 1994 correspondence, referenced above, Monticello committed to the following action:

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change: NRC PDR
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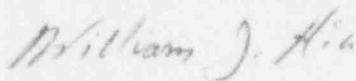
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Operating procedures will be revised and operating training provided prior to the end of 1994 to require initiating a manual scram under all circumstances in which there are no recirculation pumps operating while the reactor is in the RUN mode.

This action was reported as complete by letter dated November 17, 1994, from William J Hill to USNRC. Approval of the changes to the Technical Specifications, Appendix A of the Operating License for the Monticello Nuclear Generating Plant, proposed in the attached exhibits will supersede this previous commitment.

Monticello is working with the BWR Owners' Group to provide additional enhancements to the long-term stability solution. Monticello is monitoring the progress being made to obtain NRC approval of NEDO-32465, "BWR Owner's Group Reactor Stability Detect and Suppress Solutions, Licensing Basis Methodology for Reload Applications." Based on NRC approval of NEDO-32465, Monticello intends to incorporate this methodology into our plant specific topical report for the exclusion region boundary calculation methodology to be submitted approximately June of 1996.

Please contact Marvin Engen, Sr Licensing Engineer, (612-295-1291) if you require further 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

Attachments: Attachment 1 - Monticello Schedule for Implementation of Stability Solution
Option 1-D

NSP Affidavit to the US Nuclear Regulatory Commission
GE Affidavit to the US Nuclear Regulatory Commission
Exhibit A - Evaluation of Proposed Changes
Exhibit B - Technical Specification Pages marked up with proposed change
Exhibit C - Revised Monticello Technical Specification Pages

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Enclosure: GENE-637-043-0295, Application of the "Regional Exclusion with Flow-Biased
APRM Neutron Flux Scram" Stability Solution (Option 1-D) to the Monticello
Nuclear Power Plant

Attachment 1

Monticello Schedule for Implementation of Stability Solution Option 1-D

6/95	Monticello Submittal of Plant Specific Licensing Topical Report and Proposed Technical Specification Changes for Stability Solution Option 1-D
4/96	NRC Approval of Monticello Proposed Technical Specification Changes
4/96	Monticello Refueling Outage
7/96	Monticello Implementation of SOLOMON stability monitor with 5% exclusion region buffer
6/96	Monticello Submittal of Licensing Topical Report for Exclusion Region Boundary Calculation Methodology
4/97	NRC approval of Monticello Licensing Topical Report for Exclusion Region Boundary Calculation Methodology to support cycle 19 final reload design review