

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY

MONTICELLO NUCLEAR GENERATING PLANT

Docket No. 50-263

REQUEST FOR AMENDMENT TO
OPERATING LICENSE NO. DPR-22

(License Amendment Request Dated August 30, 1984)

Northern States Power Company, a Minnesota corporation, requests authorization for changes to the Technical Specifications as shown on the attachments labeled Exhibit A and Exhibit B. Exhibit A describes the proposed changes along with reasons for the change. Exhibit B is a set of Technical Specification pages incorporating the proposed changes.

This letter contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

By David Musolf
David Musolf
Manager - Nuclear Support Services

On this 30th day of August, 1984 before me a notary public in and for said County, personally appeared David Musolf, Manager - Nuclear Support Services, and being first duly sworn acknowledged that he is authorized to execute this document on behalf of Northern States Power Company, that he knows the contents thereof and that to the best of his knowledge, information and belief, the statements made in it are true and that it is not interposed for delay.

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EXHIBIT A

Monticello Nuclear Generating Plant

License Amendment Request - Dated August 30, 1984

Clarification of Radiation Monitor Requirements

Proposed Changes to the Technical Specifications,
Appendix A of Operating License DPR-22.

Pursuant to 10 CFR Part 50, Section 50.59 and Section 50.90, the holders of Operating License DPR-22 hereby propose the following changes to Appendix A, Technical Specifications:

1. Clear Up Confusion Associated With The Reactor Building Vent Monitors

Proposed Changes

Clear up confusion associated with the cross-reference to the Reactor Building Vent Plenum Monitors (3.2/4.2) and the Reactor Building Vent Wide Range Gas Monitors, RBV-WRGM, (3.8/4.8) as shown in Exhibit B, pages 47, 59, 62, 68, 70, 198k, 198-1, 198n, 198o and 198y. Because the RBV Plenum Monitors no longer perform an isolation function for routine releases (only accidents), a setpoint change from 3 mR/hr with a deviation of 0.2 mR/hr to 100 mR/hr with a deviation of 5 mR/hr is also being proposed.

Reason for Changes

These changes would eliminate the confusion associated with Technical Specification Sections 3.2/4.2, and 3.8/4.8. The RBV plenum monitors, T.S. 3.2/4.2, provide automatic isolation for an accident per 10 CFR Part 100 and the RBV-WRGM, T.S. 3.8/4.8, would clearly be defined with gaseous waste management in compliance with 10 CFR 20 and 10 CFR 50, Appendix I.

An additional minor change on pages 62 and 70 is also requested at this time. "Reactor Low Water Level" is changed to "Reactor Low Low Water Level".

Significant Hazards Evaluation

The RBV plenum trip setpoint change from 3 mR/hr to 100 mR/hr is conservative with respect to the calculated allowable setpoint of 30,000 mR/hr, noble gases, corresponding to the 10 CFR 100 guideline of 25 Rem for an accident and with respect to the calculated allowable setpoint of 9000 mR/hr, radioiodines, corresponding to the 10 CFR 100 guideline of 300 Rem for an accident.

EXHIBIT A

The newly installed RBV-WRGM will be set at the equivalent of the 10 CFR Part 20 maximum allowable release rate in accordance with the methods in the Offsite Dose Calculation Manual. These new monitors provided enhanced monitorings and calibration features. They are superior to the original plenum monitors for providing the lower 10 CFR Part 20 isolation function.

The proposed change in wording is a purely administrative change to the Technical Specifications that should clear confusion associated with the function and appropriate setpoint for the RBV plenum monitors and the RBV-WRGM.

All currently specified setpoints are preserved.

For these reasons, operation of the Monticello Nuclear Generating Plant, in accordance with the proposed changes, would not:

- 1) Involve a significant increase in the probability or consequences of an accident previously evaluated; or
 - 2) create the possibility of a new or different kind of accident from any previously evaluated; or
 - 3) involve a significant reduction in a margin of safety.
2. Discharge Canal Monitors Calibration Requirements

Proposed Changes

Add a footnote to the Discharge Canal Gross Radioactivity Monitor, Table 4.8.1 and a minor word change to Table 3.8.1 as shown in Exhibit B, pages 198m and 198i, respectively.

Reason for Changes

The addition reflects the existing calibration source requirements for the discharge canal radiation monitors and the future calibration source requirements, if the canal radioactivity monitors should ever be replaced. The minor word change avoids confusion between effluent and liquid rad-waste. NRC Staff reviewers agreed in principle with these changes via a conference call on September 9, 1983.

Significant Hazards Evaluation

The proposed footnote addition to the Radioactive Liquid Effluent Monitoring Instrument Surveillance Requirement Table, permits the continued use of a solid source traceable to NBS Standards in instrument calibration. The original calibration used a liquid source traceable to NBS Standards.

EXHIBIT A

Thus, there is a correlation between the original liquid source and the current solid source in instrument calibration. The footnote also recognizes that, should the canal radioactivity monitors ever be replaced, they shall be equal to or better than the present system and meet present day calibration requirements.

This is a purely administrative change which recognizes the limitations of the monitors included in the original plant design.

For these reasons, operation of the Monticello Nuclear Generating Plant, in accordance with the proposed changes, would not:

- 1) Involve a significant increase in the probability or consequences of an accident previously evaluated; or
- 2) create the possibility of a new or different kind of accident from any previously evaluated; or
- 3) involve a significant reduction in a margin of safety.

3. Radioactive Effluent Limiting Conditions of Operation and Surveillance Requirements

Proposed Changes

Remove Radioactive Effluent Limiting Conditions for Operation from the Surveillance Requirements as shown in Exhibit B, pages 192, 193, 197 and 198d.

Reason for Changes

To clarify the Radioactive Effluent's Limiting Conditions for Operation and Surveillance Requirements.

Significant Hazards Evaluation

This is a purely administrative change since no wording is being changed, just one column moved to another.

For these reasons, operation of the Monticello Nuclear Generating Plant, in accordance with this proposed change, will not:

- 1) Involve a significant increase in the probability or consequences of an accident previously evaluated; or
- 2) create the possibility of a new or different kind of accident from any previously evaluated; or
- 3) involve a significant reduction in a margin of safety.