

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY

MONTICELLO NUCLEAR GENERATING PLANT

DOCKET NO. 50-263

REQUEST FOR AMENDMENT TO
OPERATING LICENSE DPR-22

LICENSE AMENDMENT REQUEST DATED July 31, 1990

Northern States Power Company, a Minnesota corporation, requests authorization for changes to Appendix A of the Monticello Operating License as shown on the attachments labeled Exhibits A, B and C. Exhibit A describes the proposed changes, describes the reasons for the changes, and contains a significant hazards evaluation. Exhibit B and C are copies of the Monticello Technical Specifications incorporating the proposed changes.

This letter contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

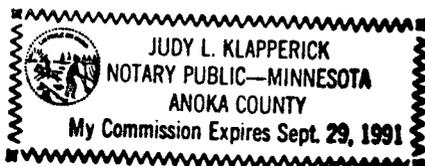
By


Thomas M Parker
Manager

Nuclear Support Services

On this 31st day of July 1990 before me a notary public in and for said County, personally appeared Thomas M Parker, 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 July 31, 1990

Evaluation of Proposed Changes to the Technical Specifications
for Operating License DPR-22

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

Proposed Change

Increase the minimum required stored diesel fuel oil amount in Specification 3.9.B.3.c, page 202, and revise the associated bases, page 204.

Reason for Change

Monticello's investigation of Information Notice No. 89-50 concluded that the minimum oil storage tank level given in the Technical Specifications, based on having to run one emergency diesel generator at full load, 2500 KW, for seven days, is low. The investigation also concluded from the review of available records that the emergency diesel generators had never been inoperable due to an inadequate fuel supply.

NRC Information Notice No. 89-50: Inadequate Emergency Diesel Generator Fuel Supply, dated May 30, 1989 was sent to alert addressees to the potential for existence of an inadequate emergency diesel generator fuel supply. The amount of fuel oil required to run one emergency diesel generator at full load (2500 KW) for 7 days is 31,248 gallons.

The fuel oil amount is measured by a level instrument, measuring the height of fuel oil in the tank. The instrument is accurate to $\pm 1\%$ of full scale, which equals ± 760 gallons in the region of interest. The tank volume uncertainty is 1% of full tank volume. In the region of interest this would be ± 320 gal (1% of 32,000 gal). Since these two uncertainties are independent they can be combined as follows:

$$\text{Level Uncertainty} = \sqrt{760^2 + 320^2} = 825 \text{ gal}$$

Adding this uncertainty to the 31,248 gal, requires a minimum indicated tank volume of 32,073 gal. Due to the location of the suction pipe, there is 400 gallons of fuel oil that is not available. This requires that the minimum indicated tank volume be raised to 32,473 gal. Therefore, if the tank level is maintained greater than 32,500 gallons, we can be assured of having enough fuel oil to run one emergency diesel generator at full load (2500 KW) for seven days.

Safety Evaluation and Determination of Significant Hazards Considerations

The proposed change to the Operating License has been evaluated to determine whether it constitutes a significant hazards consideration as required by 10 CFR Part 50, Section 50.91 using standards provided in Section 50.92. This analysis is provided below:

1. The proposed amendment will not involve a significant increase in the probability or consequences of an accident previously evaluated

This amendment will not cause an increase in the probability or consequences of an accident previously evaluated for the Monticello plant.

2. The proposed amendment will not create the possibility of a new or different kind of accident from any accident previously analyzed.

The proposed amendment will not create the possibility of a new or different kind of accident.

3. The proposed amendment will not involve a significant reduction in the margin of safety.

The proposed amendment deals only with the increased volume of diesel fuel oil required, therefore there will be no reduction in the margin of safety.

The Commission has provided guidance (March 6, 1986 Federal Register) concerning the application of the standards in 10 CFR 50.92 for determining whether a significant hazards consideration exists by providing certain examples of amendments that will likely be found to involve no significant hazards considerations. The change to the Monticello Operating License proposed in this amendment request are similar to NRC example (i). Example (i) applies in this case since the proposed change is administrative in nature and does not carry any operational significance or hazards.

Based on this guidance and the reasons discussed above, we have concluded that the proposed changes do not involve a significant hazards consideration.

Environmental Assessment

This license amendment request does not change effluent types or total effluent amounts nor does it involve an increase in power level. This amendment increases the required minimum amount of diesel fuel oil stored to ensure that an emergency diesel generator will have an adequate supply of fuel oil to operate at full load for seven days.

Therefore, this change will not result in any significant environmental impact.