UNITED STATES ATOMIC ENERGY 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 20, 1974)

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 request contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

By Leo J Wachter
Leo J Wachter
Vice President, Power Production & System Operation

On this 20th day of August, 1974, before me a notary public in and for said County, personally appeared Leo J Wachter, Vice President, Power Production & System Operation, and first being duly sworn acknowledged that he is authorized to execute this document in 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.

DAVID J. FISHER
Notary Public, Hennepin County, Minn.
My Commission Expires Oct. 2, 1976

EXHIBIT A

MONTICELLO NUCLEAR GENERATING PLANT
DOCKET NO. 50-263

AMENDMENT REQUEST DATED AUGUST 20, 1974

PROPOSED CHANGES TO THE TECHNICAL SPECIFICATIONS
APPENDIX A OF PROVISIONAL OPERATING
LICENSE NO. DPR-22

Pursuant to 10 CFR 50.59 and 10 CFR 50.46, the holders of the above mentioned license hereby propose the following changes to Appendix A, Technical Specifications.

PROPOSED CHANGES

a.) Page 2, TS 1.0.1

Add a definition of MCPR to the existing definition of MCHFR in the following format:

1.0.1 Minimum Critical Heat Flux and Power Ratios

1. Minimum Critical Heat Flux Ratio (MCHFR) - The lowest in-core ratio of critical heat flux (that heat flux which results in transition boiling) to the actual heat flux.

2. Minimum Critical Power Ratio (MCPR) - The lowest in-core ratio of critical power (that power which causes some point in the assembly to experience the onset of transition boiling) to the bundle power.

b.) Pages 108 A, 108 B and 108 C, TS 3.5.J, 4.5.J, 3.5K, 4.5K and Figure 3.5.1

Delete these four Specifications from this section. Delete Figure 3.5.1, (Page 108C).

c.) Page 113, TS Bases 3.5I

Replace the first paragraph in this section with the following:

The capacity of the Emergency Core Coolant System is based on the potential consequences of a double ended recirculation line break. Such a break involves 3.9 sq. ft. when the cross

tie valves are closed and 5.3 sq. ft. when the cross tie valves are open. Specification 3.11.A is based on an ECCS evaluation assuming a break area of 3.9 sq. ft; the limitations of 3.11.A do not apply to the larger break. Therefore, at least one cross tie valve must remain closed with two pump operation to reduce the potential break area.

d.) Page 113 A and 113 B, TS Bases 3.5.J and 3.5.K

Delete these pages.

e.) Page 114, TS Bases 4.5

Delete the last paragraph on this page.

f.) Pages 189 B through 189 J, TS 3.11 and 4.11

Form a new section of Specifications entitled 3.11/4.11, Reactor Fuel Assemblies. Refer to Exhibit B for the new wording.

REASONS FOR CHANGES

These changes are the result of the evaluations included as Exhibit C entitled "Monticello Nuclear Generating Plant Loss of Coolant Accident Analysis Conformance with 10 CFR 50 Appendix K, August 1974."

Specifications on the average planar and local linear generation rate have been moved from section 3.5/4.5 to a new section, 3.11/4.11. Since the Appendix K evaluation was based on an initial MCPR of 1.19, a Specification is included to monitor that condition.

Item c.) above and Exhibit C report a DBA break area of 3.9 sq. ft. rather than the 4.2 sq. ft. area used previously. The larger area was based on a generic jet pump orifice size. The nominal Monticello orifice size was used in the new evaluation, resulting in the more representative break size.

EXHIBIT B

This exhibit consists of the following pages revised to incorporate the proposed changes:

Pages

2
108 A
*108 B
*108 C
113
*113 A
*113 B
114
189 B
189 C
189 D
189 E
189 F
189 G
189 H
189 I
189 J

* These pages were simply deleted and were therefore omitted from this Exhibit.