UNITED STATES ATOMIC ENERGY COMMISSION

NORTHERN STATES POWER COMPANY

Monticello Nuclear Generating Plant

Docket No. 50-263

REQUEST FOR AUTHORIZATION OF
A CHANGE IN TECHNICAL SPECIFICATIONS
OF APPENDIX A

PROVISIONAL OPERATING LICENSE NO. DPR-22

(Change Request Dated June 1, 1973)

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 change. Exhibit B is a copy of the Technical Specifications marked up to indicate the proposed changes.

This request contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

By Wade Larkin
Wade Larkin
Group Vice President - Power Supply

On this 1 day of June, 1973, before me a notary public in and for said County, personally appeared Wade Larkin, Group Vice President - Power Supply, and being first 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.

John J Smith
John J Smith
Notary Public, Hennepin County, Minnesota

JOHN J. SMITH
Notary Public, Hennepin County, Minnesota
My Commission Expires March 3, 1976

EXHIBIT A

MONTICELLO NUCLEAR GENERATING PLANT
DOCKET NO. 50-263

CHANGE REQUEST DATED JUNE 1, 1973
PROPOSED CHANGES TO THE TECHNICAL SPECIFICATIONS
APPENDIX A OF PROVISIONAL OPERATING LICENSE NO. DPR-22

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

PROPOSED CHANGE

Section 2.3.F, Bases, change the following

- Line 4, delete the words " .... as shown in FSAR Figure 14.5.3 .... "
- Line 6, change the value "105%" to "110%"
- Line 7, change the value "1.9" to "1.8"
- Line 7, revise the last sentence to read, "Reference FSAR Section 14.5.1.2.2 and supplemental information submitted February 13, 1973."

Section 2.2, Bases, change the fifth paragraph as follows:

- Lines 1 and 2, change the words "turbine trip" to "closure of all main steamline isolation valves"
- Line 2, delete the words " .... with failure of the bypass system .... "
- Line 4, change the value "1187" to "1183"
- Line 4, change the words "turbine trip valve" to "main steamline isolation valve closure"
- Line 6, change the value "1293" to "1283"

Section 2.4, Bases, change the second paragraph as follows:

- Line 5, change the words "turbine stop valve" to "main steamline isolation valve"

- Lines 6 through 9, change to read " .... closure while operating at 1670 MWT, followed by no main steamline isolation valve closure scram but scram from an indirect (high flux) means. With the safety valves set as specified herein, the maximum vessel pressure (at the bottom of the pressure vessel) would be about 1283 psig. See FSAR Section 4.4.3 and supplemental information submitted February 13, 1973. Evaluations presented indi- ...."

Section 3.1, Bases, change the eleventh paragraph (beginning on the bottom of the second page) as follows:

- Line 3, change "iput" to "input"

- Lines 7 and 8, replace the sentence "Ref Section 14.5.2.2 FSAR" with "Reference FSAR Section 14.5.1.2.2 and supplemental information submitted February 13, 1973."

Section 3.1, Bases, change the thirteenth paragraph (lower half of the third page) as follows:

- Line 4, add to the last sentence the words " .... and supplemental information submitted February 13, 1973."

Specification 3.3.C.1, change the table to read as follows:

% Inserted From Fully Withdrawn	Ave Scram Insertion Times (Sec)
5	0.375
20	0.900
50	2.00
90	5.00

Specification 3.3.C.2, change the table to read as follows:

Percent of Rod Length Inserted	Seconds
5	0.398
20	0.954
50	2.120
90	5.300

Section 3.3.C and 4.3.C, Bases, change the first paragraph as follows:

- Lines 8 and 9, replace the words " .... a turbine stop valve closure with failure of the turbine bypass system ." with " .... closure of the main steamline isolation valves with failure of the valve closure scram but an indirect scram from high flux."

- Line 11, change the value "1.9" to "1.8"

- Line 12, change the value "390" to "290"

- Line 13, delete words beginning with "This is adequate .... " to the end of the paragraph. Replace them with the words, "This is adequate and conservative when compared with the typical time delay of about 210 milliseconds estimated from scram test results. Approximately the first 90 milliseconds of the time interval results from the sensor and circuit delays; at this point the pilot scram solenoid deenergized. Approximately 120 milliseconds later control rod motion is estimated to begin. However, to be conservative, control rod motion is not assumed to start until 200 milliseconds later. This value was included in the transient analyses and is included in the allowable scram insertion times of Specification 3.3.C.1 and 3.3.C.2."

Section 3.5.E, Bases, change as follows:

- Lines 8 through 11, delete the two sentences included within "All transient analysis ..... jeopardizing reactor safety."

Specification 3.6.E, change as follows:

- Line 5, change the words "three safety/relief" to "four safety/relief"

Section 3.6.E and 4.6.E, Bases, change the third paragraph as follows:

- Line 2, replace the words "turbine trip initiated" with "main steamline isolation valve closure"

- Line 3, delete " .... no steam bypass system flow, ... "

- Line 3, replace the words " .... turbine valve trip" with "main steamline isolation valve closure"

- Line 4, change the word "assured" to "assumed"

- Line 5, change the value "35.4%" to "35%"

- Line 6, change the value "18.5%" to "18%"

- Line 6, change the words "three safety/relief" to "four safety/relief"

REASON FOR CHANGE

On February 13, 1973 a letter from L O Mayer (NSP), to A Giambusso (USAEC) entitled "Supplemental Report of a Change in the Transient Analysis as Described in the FSAR" identified new assumptions used in analyzing reactor power transients. The above proposed changes will make the Technical Specifications compatible with the results of that analysis.

PROPOSED CHANGE

Section 2.3.D, Bases, change the following:

- Line 3 of paragraph 2, change "page 22" to "page 18"

Section 2.3.H, Bases, change the following:

- Line 2 of paragraph 2, change "page 22" to "page 18"

Section 3.1, Bases, change the following:

- Line 1 of paragraph 13 (middle of page 39), change "valves are $\geq$ 10%" to read "valves are $\leq$ 10%."

REASON FOR CHANGE

These statements were printed incorrectly in the initial issuance of Appendix A, Technical Specifications.

PROPOSED CHANGE

Section 3.6.E and 4.6.E, Bases, delete the second paragraph stating:

- "The operator will set the pressure settings at or below the settings listed. However, the actual set points can vary as listed in the basis of Specification 2.4."

REASON FOR CHANGE

This wording repeats the last two sentences of the previous paragraph.