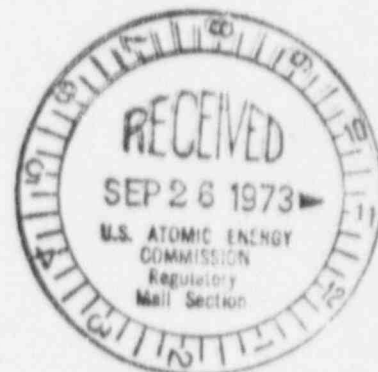


UNITED STATES ATOMIC ENERGY COMMISSION

NORTHERN STATES POWER COMPANY

Monticello Nuclear Generating Plant

Docket No. 50-263

REQUEST FOR AUTHORIZATION OF
A CHANGE IN TECHNICAL SPECIFICATIONS
OF APPENDIX APROVISIONAL OPERATING LICENSE NO. DPR-22
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(Change Request Dated September 13, 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 revised to incorporate the proposed changes.

This request contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

By

Wade Larkin

Group Vice President - Power Supply

On this 15 day of September, 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

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 SEPTEMBER 13, 1973

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

Pursuant to 10CFR50.59, the holders of the above-mentioned license hereby propose the following changes to Appendix A, Technical Specifications.

1. PROPOSED CHANGE

- On page 16, Bases: 2.1, first paragraph, fourth line, change "(4,5)" to read "(4,5,6,7)."
- On bottom of page 16, add "(6) Supplement on Transient Analyses submitted by NSP to the AEC, February 13, 1973" and "(7) Letter from NSP to AEC, 'Planned Reactor Operation From 2000 MWD/T to End of Cycle 2,' dated August 21, 1973."

REASON FOR CHANGE

This will document in the Technical Specifications the additional studies completed on the effects of operational transients.

2. PROPOSED CHANGE

- On page 20, Bases: 2.3.A, end of third paragraph, change " page 22." to read " page 18."
- On page 21, Bases: 2.3.B, end of second paragraph, change " page 22." to read " page 18."
- On page 21, Bases: 2.3.C, end of fourth paragraph, change " page 22." to read " page 18."
- On page 26, Bases: 2.4, third paragraph, third and sixth lines, change " page 22." to read " page 18."

REASON FOR CHANGE

These changes correct typographical errors.

EXHIBIT A

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3. PROPOSED CHANGE

- On page 24, Bases: 2.2, move the last paragraph to the top of page 25.

REASON FOR CHANGE

To have all of this paragraph on the same page.

4. PROPOSED CHANGE

- On page 23, T.S.2.4.C, change "2 valves at ≤ 1210 psig." and "2 valves at ≤ 1220 psig." to read "4 valves at ≤ 1240 psig."
- On page 25, Bases: 2.2, in the second sentence, delete the words "from rated power." In the third sentence, change " is 1183 psig." to read " is limited to 1214 psig." In the fifth sentence, change " to 1283 psig " to read " to 1308 psig "
- On page 26, Bases: 2.4, second paragraph, line 8, change " about 1283." to read " about 1308 psig." On line 10, change " of five valves (2 safety valves and 3 dual purpose safety/relief valves) set " to read " of eight valves (4 safety valves and 4 dual purpose safety/relief valves) set "
- On page 110, T.S.3.6.E.1, fourth line, change " three safety valves " to read " four safety valves "
- On page 119, T.S.4.6.E.1, last sentence, delete everything after " nominal popping point of the " (including tabulation) and add " four safety valves shall be set at ≤ 1240 psig."
- On page 134, Bases: 3.6.E/4.6.E, last paragraph, line 4, change " to total 50% (35% relief and 15% safety) of " to read " to total 83.9% (47% relief and 36.9% safety) of " On line 5, change " assuming that three of the four relief/safety valves (35%) and two of the four safety valves (18%) operated." to read " assuming that four safety/relief valves (47%) and four safety valves (36.9%) operated." Delete the last sentence of the paragraph.

EXHIBIT A

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REASON FOR CHANGE

The transients discussed in our February 13, 1973 submittal were reanalyzed as reported in our letter to the AEC entitled, "Planned Reactor Operation From 2000 MWD/T to the End of Cycle 2," dated August 21, 1973. The reanalysis examines the effects of a change in the scram reactivity insertion rate which takes place with increasing exposure and results in higher peak pressures during transients. These changes to the Technical Specifications reflect the assumptions and results of the reanalysis plus additional analysis performed subsequently. One of the objectives of the analysis was to examine means of extending Cycle 2 operations at power levels closer to rated after the limiting exposure threshold is reached. With the proposed increase in safety valve settings, the recommended 25 psi margin between the transient peak is not compromised by a turbine trip without bypass with all rods out at 91% of rated power. When the limiting exposure threshold is reached, control rods will be maintained in a fixed pattern which will result in a power coastdown. The power coastdown will continue to the power threshold (i.e. 91%) after which additional control rods can be withdrawn to maintain power no greater than 91%.

5. PROPOSED CHANGE

- On page 85, Bases: 3.3.C/3.4.C, line 8, change the sentence beginning with "The limiting power transient" to read "The limiting operational transient is that resulting from a turbine stop valve closure with failure of the turbine bypass system."

REASON FOR CHANGE

This change restores the original statement erroneously changed in our Technical Specification Change Request Dated June 1, 1973. The MSIV closure with indirect scram is not an operational transient as defined in the FSAR since multiple failures are assumed to occur. The MSIV closure with indirect scram is studied only to satisfy code requirements for safety valve sizing.

6. PROPOSED CHANGE

- On page 134, Bases: 3.6.E/4.6.E, first paragraph, line 3, change " $\pm 1\%$ of design pressure," to read " $\pm 1\%$ of the set pressure."

REASON FOR CHANGE

This change correctly states the pressure from which the tolerance band of the safety and safety/relief valves is determined.