



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

50-263

September 16, 1998

Mr. Roger O. Anderson, Director
Nuclear Energy Engineering
Northern States Power Company
414 Nicollet Mall
Minneapolis, MN 55401

See Addts to OL

SUBJECT: MONTICELLO NUCLEAR GENERATING PLANT - ISSUANCE OF
AMENDMENT RE: POWER UPRATE PROGRAM (TAC NO. M96238)

Dear Mr. Anderson:

The Commission has issued the enclosed Amendment No. 102 to Facility Operating License No. DPR-22 for the Monticello Nuclear Generating Plant (MNGP) in response to your submittal dated July 26, 1996, as supplemented September 5, 1997, as revised December 4, 1997, and as supplemented March 6, March 26, April 8, April 17, April 22, May 5, May 12, May 29, June 15, July 1, July 20, and July 30, 1998. The amendment changes the maximum reactor core thermal power level specified in the Facility Operating License from 1670 megawatts-thermal (MWt) to 1775 MWt (an increase of about 6.3 percent). The amendment also approves changes to the Technical Specifications to support uprated power operation.

This amendment also adds 10 license conditions to Appendix C of the license. These license conditions were proposed by NSP in its letter of July 30, 1998.

MNGP was the lead plant for the General Electric Company's extended power uprate program and your initial submittal dated July 26, 1996, was based on the staff position paper entitled, "Staff Position Concerning GE BWR Extended Power Uprate Program," issued in February 1996. The staff recognizes that the scope of the staff's review was expanded due to lessons learned from past power uprate reviews at other facilities, and this has resulted in numerous staff requests for additional information that you presumably were not able to anticipate. The staff notes that your responses to the staff's requests for additional information were timely and of good quality reflecting excellent work by those engineering and licensing personnel who were involved in formulating the responses.

The NRC's Advisory Committee on Reactor Safeguards (ACRS) has reviewed your submittals and the staff's draft safety evaluation during its 453rd and 454th meetings held on June 3 and July 8, 1998. The ACRS' Subcommittee on Thermal-Hydraulic Phenomena also held a meeting on June 2, 1998, to review this matter. In its letter dated July 24, 1998, the ACRS endorsed the staff's draft safety evaluation.

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A copy of our related Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's biweekly *Federal Register* notice.

Sincerely,

ORIGINAL SIGNED BY

Tae Kim, Senior Project Manager
Project Directorate III-1
Division of Reactor Projects - III/IV
Office of Nuclear Reactor Regulation

Docket No. 50-263

- Enclosures: 1. Amendment No. 102 to DPR-22
- 2. Safety Evaluation

cc w/encl: See next page

DISTRIBUTION: See attached page

DOCUMENT NAME: G:\RERATE\M96238.WP6

*See previous concurrences

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DATED: September 16, 1998

AMENDMENT NO.102 TO FACILITY OPERATING LICENSE NO. DPR-22 - MONTICELLO

Docket File (50-263)

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Mr. Roger O. Anderson, Director
Northern States Power Company

Monticello Nuclear Generating Plant

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

NORTHERN STATES POWER COMPANY

DOCKET NO. 50-263

MONTICELLO NUCLEAR GENERATING PLANT

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 102
License No. DPR-22

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Northern States Power Company (the licensee) dated July 26, 1996, as supplemented September 5, 1997, as revised December 4, 1997, and as supplemented March 6, March 26, April 8, April 17, April 22, May 5, May 12, May 29, June 15, July 1, July 20, and July 30, 1998, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraphs 2.C.1, 2.C.2, and 2.C.8 of Facility Operating License No. DPR-22 are hereby amended to read as follows:

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C.1 Maximum Power Level

The licensee is authorized to operate the facility at steady state reactor core power levels not in excess of 1775 megawatts (thermal).

C.2 Technical Specifications

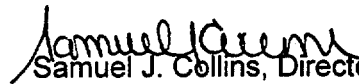
The Technical Specifications contained in Appendix A, as revised through Amendment No. 102 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

C.8 Additional Conditions

The Additional Conditions contained in Appendix C, as revised through Amendment No. 102 , are hereby incorporated into this license. The licensee shall operate the facility in accordance with the Additional Conditions.

3. This license amendment is effective as of the date of issuance with full implementation within 90 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


Samuel J. Collins, Director
Office of Nuclear Reactor Regulation

- Attachments: 1. Page 3 of License No. DPR-22*
2. Changes to the Technical Specifications
3. Pages C-3 and C-4 of Appendix C

Date of Issuance: September 16, 1998

*Page 3 is attached, for convenience, for the composite license to reflect these changes.