

PDR

MAR 20 1973

J. Gallo, OGC
THRU: D. L. Ziemann, Chief, ORB #2, DL

DRAFT NO. 2 OF PROPOSED FULL-TERM OPERATING LICENSE FOR MONTICELLO
UNIT 1 (NSP) - DOCKET NO. 50-263

Enclosed for your review and approval is my second draft of the full-term operating license for Monticello Unit 1. This draft includes my changes based on information received from M. Grainey and H. Wilchins, and is intended to supersede the draft forwarded to you with my memorandum dated October 25, 1972. Note that the conditions for protection of the environment have not been included inasmuch as I am not sure which, if any, of those conditions in item 7 of the Summary and Conclusions section of the Final Environmental Statement (Nov. 1972) are to be used or if other words are to be used.

The only urgency I see is that it must be available to the public about 30 days prior to its planned issuance, and Vogel was promised a copy in a letter dated October 17, 1972.

Reba M. Diggs
Licensing Assistant
Operating Reactors Branch #2

Enclosure:
Draft 2 of OL

cc w/enclosure:
T. Engelhardt, OGC
D. Skovholt, L:OR
M. Grainey, OGC
H. Wilchins, OGC
R. Bevans, L:RP
J. Shea, L:ORB #2

→ bcc:
Docket File (Central Files)
Branch Reading File
RP Reading File
RMDiggs, L:OR #2
D. Ziemann, L:OR #2

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OFFICE ▶	L:OR <i>[Signature]</i>	L:OR <i>[Signature]</i>				<i>[Signature]</i>
SURNAME ▶	RMDiggs:rwg	DLZiemann				
DATE ▶	3/20/73	3/20/73				

DRAFT #2
RMDiggs:rwg
3/7/73

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-263

NORTHERN STATES POWER COMPANY

PROPOSED FACILITY OPERATING LICENSE

License No. DPR-22

1. The Atomic Energy Commission ("the Commission") has found that:
 - A. The application, as amended, filed by the Northern States Power Company for a full-term operating license, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the regulations of the Commission set forth in 10 CFR Chapter I, and all required notifications to other agencies or bodies have been duly made;
 - B. Construction of the Monticello Nuclear Generating Plant, Unit 1 (the facility), has been substantially completed in conformity with Provisional Construction Permit No. CPPR-31 and the application, as amended, the provisions of the Act, and the rules and regulations of the Commission set forth in 10 CFR Chapter I;
 - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;

- D. There is reasonable assurance (i) that the activities authorized by this operating license can be conducted without endangering and the health and safety of the public,/(ii) that such activities will be conducted in compliance with the rules and regulations of the Commission;
- E. The Northern States Power Company is technically and financially qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;
- F. The Northern States Power Company has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements", of the Commission's regulations;
- G. The issuance of this operating license will not be inimical to the common defense and security or to the health and safety of the public, and
- H. After weighing the environmental, economic, technical and other benefits of the facility against environmental costs considering available alternatives, the conversion of Provisional Operating License No. DPR-22 to a full-term operating license (subject to the conditions for protection of the environment set forth herein) is in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements of Appendix D have been satisfied.

2. Facility Operating License No. DPR-22 is hereby issued to the Northern States Power Company to read as follows. This license supersedes in its entirety Provisional Operating License No. DPR-22, as amended on January 19, 1971 and February 20, 1973.

A. This license applies to the Monticello Nuclear Generating Plant Unit 1, a single cycle, forced circulation, boiling water nuclear reactor and electric generating equipment (herein, the facility) which is owned by the Northern States Power Company. The facility is located in Wright County on the Northern States' site in Wright and Sherburne Counties, Minnesota, and is described in the "Final Safety Analysis Report" as supplemented and amended (Amendments 9 through 28), including the application dated June 15, 1972, for conversion of Provisional Operating License No. DPR-22 to a full-term operating license and amendment thereto dated December 21, 1972, and the Environmental Report dated November 1971, as supplemented April 4, 1972.

B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses the Northern States Power Company (hereinafter, the licensee):

- (1) Pursuant to Section 104b of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to

possess, use, and operate the facility as a utilization facility at the designated location in Wright County, Minnesota, in accordance with the procedures and limitations described in the application the Environmental Report, and in this license;

- (2) Pursuant to the Act and 10 CFR Part 70, "Special Nuclear Material," to receive, possess, and use at any one time up to 2300 kilograms of contained uranium 235, fifty grams of uranium 235 as contained in fission chambers, and 16 grams of plutonium as contained in a plutonium-beryllium neutron source all in connection with operation of the facility;
- (3) Pursuant to the Act and 10 CFR Part 30, "Rules of General Applicability to Licensing of Byproduct Material," to receive, possess, and use in connection with the operation the facility:
 - a. antimony 124, ten sealed sources, not to exceed 1,250 curies per source;
 - b. americium 241, one sealed source, not to exceed 7 curies;
 - c. cobalt 60, four sealed sources, two not to exceed 350 microcuries per source, one not to exceed 500 millicuries, and one not to exceed 12.5 millicuries;
 - d. cobalt 60, 0.5405 millicurie (in solution form);

- e. cobalt 60, 27 microcuries (all without restriction as to chemical or physical form);
 - f. cesium 137, twelve sealed sources, two not to exceed 5 microcuries per source and ten not to exceed 8 microcuries per source;
 - g. cesium 137, 2.702 millicuries (in solution form);
 - h. americium 241, cesium 137, and strontium 90, each not to exceed 1 millicurie per nuclide (all without restriction as to chemical or physical form), and
 - i. strontium 90, forty sealed sources, not to exceed 1.2 microcuries per source.
- (4) Pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of facility.

C. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Sections 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

The licensee is authorized to operate the facility at steady state power levels not in excess of 1670 megawatts (thermal).

(2) Technical Specifications

The Technical Specifications contained in Appendices A & B attached hereto are hereby incorporated in this license. Northern States shall operate the facility at power levels not in excess of those authorized under condition 3.A. of this license in accordance with these Technical Specifications. No changes shall be made in these Technical Specifications unless authorized by the Commission in accordance with the provisions of Section 50.59 of 10 CFR Part 50.

(3) This license is subject to the following conditions of the protection of the environment:

a.

b.

D. This license is effective as of the date of issuance and shall expire at midnight, June 19, 2007.

FOR THE ATOMIC ENERGY COMMISSION

A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Attachment:
Appendices A & B - Technical Specifications

Date of Issuance: