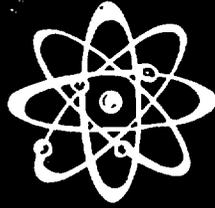


AEC



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545

No. N-165  
Tel. 973-3446 (Info.)  
973-5371 (Copies)

FOR IMMEDIATE RELEASE

50-263  
CP+Kic

Lochets

AEC ISSUES LOW POWER LICENSE FOR  
MONTICELLO NUCLEAR PLANT IN MINNESOTA

A license for limited operation of the Monticello Nuclear Generating Station in Minnesota has been issued to Northern States Power Company by the AEC's Division of Reactor Licensing.

Issuance of the license was authorized by a decision of an Atomic Safety and Licensing Board on August 24. The license permits only fuel loading and start-up testing of the facility at power levels up to a maximum of five megawatts thermal and without the reactor vessel head in place.

A public hearing conducted by the licensing board to consider the company's application for a full power license was held April 28-May 1; June 15-18; and August 5-7 in St. Paul, Minnesota. During the proceeding the applicant requested authorization for the low power license, and the board authorized its issuance after consideration of the evidence. The proceeding on the full power license is continuing.

The Monticello plant, which was built under an AEC construction permit issued in June 1967, is located on a 1325-acre site on the west bank of the Mississippi River about three miles northwest of Monticello. The plant uses a boiling water reactor and will have a net electrical capacity of approximately 545,000 kilowatts. General Electric Company designed and built the reactor and turbogenerator portions of the plant.

Before the license was issued, the facility was inspected by the AEC Regulatory Staff to assure that all construction necessary for fuel loading and low power testing has been satisfactorily completed.

#

September 9, 1970

**UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D. C. 20545**

**OFFICIAL BUSINESS**



**POSTAGE & FEES PAID  
U. S. Atomic Energy Commission**

*Docket File*

Docket No. 50-263

SEP - 8 1970

Northern States Power Company  
ATTN: Mr. D. F. McElroy  
Vice President  
414 Nicollet Mall  
Minneapolis, Minnesota 55401

Gentlemen:

Provisional Operating License No. DPR-22, with appended Technical Specifications, is enclosed. The license authorizes Northern States Power Company to begin fuel loading and low-power start-up testing of the Monticello Nuclear Generating Plant, Unit 1, and to operate the facility at steady state power levels not to exceed five megawatts thermal, in accordance with the provisions of the license and Technical Specifications appended thereto. A copy of a related notice which has been forwarded to the Office of the Federal Register for filing and publication is also enclosed.

Two signed copies of Amendment No. 2 to Indemnity Agreement No. B-42, which covers the activities authorized under Provisional Operating License No. DPR-22, are enclosed for your review and acceptance. Please sign and return one copy of the amendment to this office.

Sincerely,

Original Signed by  
Peter A. Morris

Peter A. Morris, Director  
Division of Reactor Licensing

Enclosures:

1. License No. DPR-22 w/Tech Specs
2. Federal Register Notice
3. Amend. No. 2 to I.A. No. B-42

cc: w/encls 1 & 2

Mr. Gerald Charnoff  
Shaw, Pittman, Potts, Trowbridge & Madden  
910 - 17th Street, N.W.  
Washington, D. C. 20006

*C*

OFFICE ▶	DRL:PWR x7401	DRL:PWR-1	DRL:PWR-1	AD/PWR	OGC	DRL
SURNAME ▶	Kari/pjf	Vassallo	Muller	DeYoung	Knoets	Morris
DATE ▶	8/27/70	8/4/70	9/4/70	9/4/70	9/8/70	9/8/70

SEP - 8 1970

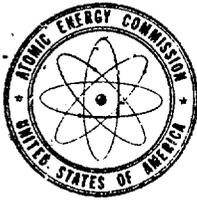
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SURNAME ▶						
DATE ▶						



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545

NORTHERN STATES POWER COMPANY

DOCKET NO. 50-263

PROVISIONAL OPERATING LICENSE

License No. DPR-22

Provisional Operating License No. DPR-22 is hereby issued to Northern States Power Company (Northern States), as follows:

1. This license applies to the Monticello Nuclear Generating Plant, Unit No. 1, a single cycle, forced circulation, boiling water reactor and electric generating equipment (the facility). 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 (Amendment Nos. 9 through 28).
2. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses Northern States:
  - A. Pursuant to Section 104b of the Atomic Energy Act of 1954, as amended (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 at the Monticello Nuclear Generating Plant;
  - B. 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 uranium 235 as reactor fuel assemblies, one gram of uranium 235 as fission chambers and 16 grams of plutonium as contained in Pu-Be neutron sources in connection with operation of the facility;
  - C. 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 operation of the facility: ten sources of Antimony 124, not to exceed 1,250 curies per source;

one source of Americium 241, not to exceed 7 curies; four sources of Cobalt 60, two not to exceed 350 microcuries per source, one not to exceed 500 millicuries and one not to exceed 12.5 millicuries; Strontium 90, not to exceed 1.2 microcuries per source; Cesium 137 not to exceed 8 microcuries per source (all as sealed sources); Americium 241, Cesium 137 and Strontium 90 each not to exceed 1 millicurie per nuclide, and Cobalt 60 not to exceed 27 microcuries (all without restriction as to chemical or physical form); and 2.702 millicuries of Cesium 137, and 0.5405 millicurie of Cobalt 60 (in solution form); and

D. Pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear material as may be produced by the operation of the facility.

3. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations: 10 CFR Part 20, Section 30.34 of 10 CFR Part 30, Section 40.41 of 10 CFR Part 40, Sections 50.54 and 50.59 of 10 CFR Part 50, and Section 70.32 of 10 CFR Part 70; and 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 below:

A. Maximum Power Level; Reactor Vessel Head Not In Place

Northern States is authorized to load fuel and operate the facility at power levels not in excess of five (5) megawatts (thermal), without the reactor vessel head in place.

B. Technical Specifications

The Technical Specifications contained in Appendix A attached hereto are hereby incorporated in this license. Northern States shall operate the facility at power levels not in excess of five (5) megawatts (thermal) in accordance with the Technical Specifications applicable to such operation and may make changes therein only when authorized by the Commission in accordance with the provisions of Section 50.59 of 10 CFR Part 50.

C. Reports

Northern States shall make certain reports in accordance with the requirements of the Technical Specifications.

D. Records

Northern States shall keep facility operating records in accordance with the requirements of the Technical Specifications.

4. Northern States shall observe such standards and requirements for the protection of the environment as are validly imposed pursuant to authority established under Federal and State law and as are determined by the Commission to be applicable to the facility covered by this provisional operating license. This condition does not apply to (a) radiological effects since such effects are dealt with in other provisions of this operating license, or (b) matters of water quality covered by Section 21(b) of the Federal Water Pollution Control Act, as amended.
5. This license is effective as of the date of issuance and shall expire eighteen (18) months from said date, unless extended for good cause shown, or upon the earlier issuance of a superseding operating license.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by  
Peter A. Morris

Peter A. Morris, Director  
Division of Reactor Licensing

Attachment:  
Appendix A - Technical Specifications

Date of Issuance: **SEP - 8 1970**

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-263

NORTHERN STATES POWER COMPANY

Notice of Issuance of Provisional Operating License

Notice is hereby given that, pursuant to the Initial Decision of the Atomic Safety and Licensing Board, dated August 24, 1970, the Atomic Energy Commission (the Commission) has issued a Provisional Operating License No. DPR-22 to Northern States Power Company (the licensee) to permit fuel loading and low-power start-up testing of the Monticello Nuclear Generating Plant, Unit 1, a single-cycle, forced circulation, boiling water reactor. The facility is located in Wright County, on the licensee's site in Wright and Sherburne Counties, Minnesota. The reactor is designed for operation at approximately 1670 megawatts (thermal) but operation, in accordance with the provisions of Provisional Operating License No. DPR-22 and the Technical Specifications appended thereto, is restricted to five megawatts thermal, without the reactor vessel head in place.

The Commission's regulatory staff has inspected the facility and has determined that, for fuel loading and low-power start-up testing at power levels up to five megawatts thermal without the reactor vessel head in place, the facility has been constructed in accordance with the application, as amended, the provisions of Provisional Construction Permit No. CPPR-31, said initial decision, the Atomic Energy Act, and the Commission's regulations. The licensee has submitted proof of financial protection in satisfaction of the requirements of 10 CFR Part 140.

The license is effective as of the date of issuance and shall expire eighteen (18) months from said date, unless extended for good cause shown, or upon earlier issuance of a superseding provisional operating license. The matter of an initial decision authorizing issuance of such a superseding provisional operating license to permit full power operation is pending before the Atomic Safety and Licensing Board.

Copies of (1) the Initial Decision Authorizing Provisional Operating License for Fuel Loading and Low-Power Start-Up Testing and (2) Provisional Operating License No. DPR-22, complete with Technical Specifications, are available for public inspection in the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C. Copies of the license may be obtained upon request addressed to the Atomic Energy Commission, Washington, D. C., 20545, Attention: Director, Division of Reactor Licensing.

Dated at Bethesda, Maryland this <sup>8th</sup> day of September, 1970.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by  
Peter A. Morris

Peter A. Morris, Director  
Division of Reactor Licensing

**MEMO ROUTE SLIP**

Form AEC-93 (Rev. May 14, 1947) AECM 0240

See me about this.  
Note and return.

For concu  
For signature.

For action.  
For information.

TO (Name and unit)  Docket File 50-263	INITIALS  DATE	REMARKS
TO (Name and unit)	INITIALS  DATE	REMARKS
TO (Name and unit)	INITIALS  DATE	REMARKS
FROM (Name and unit)  A. Caselli	REMARKS Per conversation with Helen Jordan, OC, on 8-26-70, NSP (Monticello) has paid \$3,340.00 in 3-69 for their proposed operating license. (1,670 MW(t) @ \$2)	
PHONE NO.	DATE 8-26-70	