

FEB 20 1973

Docket No. 50-263

Northern States Power Company
ATTN: Mr. L. O. Mayer
Director of Nuclear Support Services
414 Nicollet Mall
Minneapolis, Minnesota 55401

Gentlemen:

We have reviewed your application dated February 5, 1973, which requested an amendment to Provisional Operating License No. DPR-22 for the Monticello Nuclear Generating Plant Unit 1 to increase the quantity of uranium 235 contained in fission chambers from 1 gram to 50 grams. We have concluded that the use of the additional uranium 235 in fission chambers for in-core neutron monitoring during refueling outages does not involve significant hazard considerations not previously evaluated. Consequently, Amendment No. 2 to Provisional Operating License No. DPR-22 is enclosed increasing the limit of uranium 235 in fission chambers from 1 gram to 50 grams.

Sincerely,

Original Signed By

A. Giambusso

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

Enclosure:
Amendment No. 2 to License No. DPR-22

cc w/enclosure: See next page

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FEB 20 1973

cc w/enclosure:

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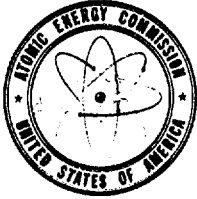
Warren R. Lawson, M. D.
 Secretary and Executive Officer
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Mr. D. S. Douglas, Auditor
 Wright County Board of Commissioners
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Environmental Resource Center
 Minneapolis Public Library
 1222 S. E. 4th Street
 Minneapolis, Minnesota 55414

bcc:
 Docket File
 AEC PDR
 Local PDR
 Branch Reading File
 RP Reading File
 HJMcAlduff, OROO
 JRBuchanan, ORNL
 TWLaughlin, DTIE
 EPA (3)
 DJSkovholt
 ACRS (16)
 RO (3)
 OGC
 JSaltzman, L:OAI
 FLIngram, OIS
 HIMueller, GMR/H
 DLZiemann
 TJCarter
 JJShea
 CHEbron
 NDube
 MJinks (4)
 BScharf
 RMDiggs
 SKari
 AGiambusso, L:RP

OFFICE ▶	L:OR	L:OR	L:OR	OC	L:OR	L:RP
SURNAME ▶	RMDiggs:rw	JJShea	DLZiemann		DJSkovholt	AGiambusso
DATE ▶	2/13/73	2/13/73	2/13/73	2/16/73	2/16/73	2/16/73



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

NORTHERN STATES POWER COMPANY

DOCKET NO. 50-263

AMENDMENT TO FACILITY LICENSE

License No. DPR-22
Amendment No. 2

The Atomic Energy Commission ("the Commission") has found that:

1. The application for license amendment dated February 5, 1973, complies with the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations set forth in 10 CFR Chapter I;
2. There is reasonable assurance (i) that the activities authorized by this operating license, as amended, can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the rules and regulations of the Commission;
3. 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
4. Public notice of proposed issuance of this amendment is not required since the amendment does not involve significant hazard considerations different from those previously evaluated.

Facility License No. DPR-22, as amended, issued to the Northern States Power Company for operation of its Monticello Nuclear Generating Plant, Unit 1, located in Wright County, Minnesota, is hereby further amended to revise paragraph 2.B in its entirety to read as follows:

- 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 of uranium 235 as reactor fuel assemblies, 50 grams of uranium 235 as fission chambers, and 16 grams of plutonium as contained Pu-Be neutron sources in connection with operation of the facility.

This amendment is effective as of the date of issuance.

FOR THE ATOMIC ENERGY COMMISSION

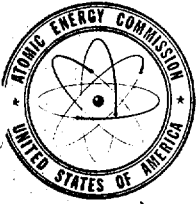
Original Signed By

A. Giambusso

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

Date of Issuance: FEB 20 1973

OFFICE ▶						
SURNAME ▶						
DATE ▶						



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

February 20, 1973

Files (Docket No. 50-263)

THRU: D. L. Ziemann, Chief, ORB #2, L

D.L. Ziemann
MONTICELLO - CHANGE TO ALLOW 50 GRAMS OF U-235 FOR FISSION CHAMBERS
INSTEAD OF ONE GRAM (NORTHERN STATES POWER COMPANY)

By letter dated February 5, 1973, Northern States Power Company (NSP) proposed an amendment to Provisional Operating License No. DPR-22 for the Monticello Nuclear Generating Plant. The proposed amendment would permit the receipt, possession, and use of up to 50 grams of U-235 contained in fission chambers for use during refueling outages. The proposed amendment will not affect normal reactor operations since the large fission chambers (dunkers) can be inserted in empty fuel bundle positions only when the reactor vessel head and other upper reactor vessel internals are removed from the reactor vessel for fuel inspection or refueling purposes.

Up to six fission chambers, each containing 2 to 6 grams of U-235, may be inserted into the core or core periphery whenever improved neutron detection sensitivity is required during the refueling operations to demonstrate the required shutdown margins. All dunkers must be removed before reinstallation of the upper reactor vessel internals and reactor vessel head can be accomplished because of physical interference. The change is necessary because each of the large fission chambers contains more U-235 than all of the miniature fission chambers used for normal reactor control combined.

We have concluded that the proposed amendment does not involve significant hazard considerations not previously evaluated and that there is reasonable assurance that the health and safety of the public will not be endangered by the proposed activities.

James J. Shea
James J. Shea
Operating Reactors Branch #2
Directorate of Licensing

cc: Northern States Power Company
PDR
Local PDR
D. J. Skovholt, L:OR
RO (3)
D. L. Ziemann, L:OR #2
J. J. Shea, L:OR #2
R. M. Diggs, L:OR #2
R. Tedesco, L:CS (2)
M. Jinks (2)