

UNITED STATES ATOMIC ENERGY COMMISSION

NORTHERN STATES POWER COMPANY

Monticello Nuclear Generating Plant

Docket No. 50-263

AMENDMENT NO. 2
TO
OPERATING LICENSE NO. DPR-22 (Provisional)

Supplement No. 1

Northern States Power Company, a corporation organized under the laws of the State of Minnesota, hereby requests inclusion into its application for amendment No. 2 to Provisional Operating License DPR-22 of:

- (1) The attached financial information, requested by a December 6, 1972 letter from Mr Donald J Skovholt, Assistant Director for Reactor licensing. It is to be noted that related financial information was previously submitted in our letters of November 3 and 17, 1972 to Mr Daniel Muller, Assistant Director of Environmental Projects, Directorate of Licensing.
- (2) The attached request to modify the listing of by-product material in Section 2.C of Amendment No. 1 to License No. DPR-22 in response to a letter, dated November 1971, from Mr. Donald J Skovholt, Assistant Director of Operating Reactors, Directorate of Licensing.

This submittal contains no restricted data or other defense information.

NORTHERN STATES POWER COMPANY

By W W Larkin
W W Larkin
GROUP VICE PRESIDENT
POWER SUPPLY

On this 21 day of December, 1972, before me, a notary public in and for said County, personally appeared W W Larkin, Group Vice President - Power Supply, and being first duly sworn acknowledge 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
John J Smith
Notary Public, Hennepin County, Minnesota

JOHN J. SMITH
Notary Public, Hennepin County, Minnesota
My Commission Expires March 3, 1976

FINANCIAL INFORMATION

MONTICELLO NUCLEAR GENERATING PLANT E-5979

AEC DOCKET NUMBER 50-263

The estimated annual costs to operate the Monticello Nuclear Generating Plant for the five year period 1973 through 1977 are:

1973	26.2 million dollars
1974	26.5 million dollars
1975	26.1 million dollars
1976	26.5 million dollars
1977	26.0 million dollars

These costs include: interest, depreciation, return, taxes, maintenance and miscellaneous supplies, operating and maintenance labor, insurance, and fuel costs.

No specific plans for dismantling the Monticello Plant have been developed; therefore, accurate dismantling cost determinations cannot be made. However, from NSP's experience with the dismantling of the Pathfinder Atomic Power Plant, and from experiences obtained from the successful dismantlings of other power reactors, gross estimates can be made which will place such a dismantling cost into perspective.

The cost of putting the Monticello Nuclear Generating Plant in a safe shutdown condition at the end of its useful life is estimated at 10 million dollars. This estimate assumes present-day costs and technology. Such a shutdown would typically consist of these following actions:

- 1) The reactor would be dismantled to the extent necessary to allow termination of the 10 CFR Part 50 License. All fuel would be shipped off-site prior to initiation of the shutdown plan.
- 2) Some radioactive material would be entombed on-site. The amount of radioactivity remaining at the site would be a small fraction of the radioactivity at the site during operating conditions.

- 3) A surveillance program would be established to periodically check and maintain the condition of the shutdown facility. The estimated annual cost of such a program is \$5,000. This estimate includes license fees, taxes, periodic security checks, minor maintenance, and annual radiation surveys.

Such a dismantling project would be financed from the Company's pool of funds of which approximately one-half are derived internally through Company operations, and approximately one-half are derived through the sale of securities. At this time, no funds are being set aside specifically for the future financing of such a project.

REQUEST FOR CHANGE IN THE
LISTING OF BYPRODUCT MATERIAL IN
THE MONTICELLO NUCLEAR GENERATING PLANT
PROVISIONAL OPERATING LICENSE DPR-22

AEC DOCKET NUMBER 50-263

We request that Section 2.C of Amendment No. 1 to License No. DPR-22 be modified as shown below. The requested wording differs from the present license wording in that it specifies the amount of cesium 137 and strontium 90 which we are licensed to receive, possess, and use in connection with the operation of the Monticello facility.

The request for cesium 137 sources is consistent with our application of June 16, 1969 and our application for Amendment No. 1 to our Part 30 license (22-08799-03) dated February 12, 1970. The strontium 90 sources are used in the sensor-converter units of area radiation monitors. The requested number has been increased to 40 as opposed to the 36 requested in our June 19, 1969 application. This will allow an inventory of replacement spares.

The proposed license modification has received Operations Committee and Safety Audit Committee approval.

PROPOSED MODIFICATION

- 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; forty sources of Strontium 90, not to exceed 1.2 microcuries per source; twelve sources of Cesium 137, two not to exceed 5 microcuries per source and ten 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

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 7029

FROM:	DATE OF DOC:	DATE REC'D	LTR	MEMO	RPT	OTHER
Northern States Power Company Minneapolis, Minn E. C. Ward	12-21-72	12-26-72	X			
TO:	ORIG	CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
Mr. Skovholt	1					
CLASS: <u>U/PROP INFO</u>	INTPT	NO CYS REC'D	DOCKET NO:			
		1	50-263			

DESCRIPTION:
Ltr trans the following:

ENCLOSURES:
Suppl No. 1 to Appl for Amrt No. 2 to
Oper Lic. notarized 12-21-72

Do Not Remove
ACKNOWLEDGED

(3 signed & 37 conf'd cys of encl rec'd)

PLANT NAMES: Monticello

FOR ACTION/INFORMATION 12-26-72 AB

BUTLER(L)	SCHWENGER(L)	SCHEMEL(L)	KNIGHTON(E)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
CLARK(L)	STOLZ(L)	ZIERMANN(L)	YOUNGBLOOD(E)
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COLLIER(L)	VASSALLO(L)	CHITWOOD(PM)	KEGAN(E)
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KNIEL(L)	H. DENTON	DICKER(E)	
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INTERNAL DISTRIBUTION

✓ REG FILE	TECH REVIEW	VOLLMER	HARLESS	WADE	E
✓ AEC PDR	HENDRIE	DENTON		SHAVER	F & M
✓ OGC, ROOM P-506A	SCHROEDER	GRIMES	F & M	BROWN	E
MUNIZING/STAFF	MACCARY	GAMMILL	SMILEY	G. WILLIAMS	E
CASE	LANGE(2)	KASTNER	NUSSEBAUMER	E. GOULBOURNE	L
GIAMBUSSO	PAWLICKI	BALLARD		A/T IND	
BOYD-L(BWR)	SHAO	SPANGLER	LIC ASST.	BRATTMAN	
DEYOUNG-L(PWR)	KNUTH		SERVICE L	SALTZMAN	
✓ SKOVHOLT-L	STELLO	ENVIRO	MASON L		
P. COLLINS	MOORE	MULLER	WILSON L	PLANS	
	HOUSTON	DICKER	MAIGRET L	MCDONALD	
REG OFF	TEDESCO	KNIGHTON	SMITH L	✓ DUBE	
✓ FILE & REGION (2)	LONG	YOUNGBLOOD	GEARIN L		
MORRIS	LAINAS	PROJ LEADER	DIGGS L	INFO	
STELLE	BENAROYA		TEETS L	C. MILES	
		REGAN	LEE L		

EXTERNAL DISTRIBUTION

✓ 1-LOCAL PDR Minneapolis, Minn.	(1)(5)(9)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
✓ 1-DTIE(ABERNATHY)	1-R. CARROLL-OC, GT-B227	1-GERALD LEL'LOUCHE
✓ 1-NSIC(BUCHANAN)	1-R. CATLIN, E-256-GT	BROOKHAVEN NAT. LAB
1-ASLB-YORE/SAKRE	1-CONSULANT'S	1-AGMED(WALTER KOESTER,
WOODWARD/H. ST.	NEWARK/BLUME/ACABIAN	Rm C-427, GT)
✓ 16-CYS ACRS XXXXXX SENT TO LIC ASST.		1-RD... MULLER... F-300GT
R. DIGGS ON 12-26-72		