

APR 9 1974

Docket Nos. 50-266
and 50-301

Wisconsin Michigan and Wisconsin
Electric Power Company
ATTN: Mr. Sol Burstein
Executive Vice President
231 West Michigan Street
Milwaukee, Wisconsin 53201

Amendments Nos. 2 and 4
Licenses Nos. DPR-24 and
DPR-27

Gentlemen:

By letter dated February 22, 1974, you requested amendments to Facility Operating Licenses Nos. DPR-24 and DPR-27 that would increase to 2500 kilograms for each unit, the amount of uranium 235 that you are permitted to receive, possess, and use in connection with operation of Point Beach Units 1 and 2. You also requested amendments to Licenses Nos. DPR-24 and DPR-27 that would authorize more flexibility in the use of radioactive sources at the two units. As discussed with your staff, this action concerns only your request for an increase in the amount of uranium 235 that you are permitted to receive, possess, and use at Point Beach Units 1 and 2. The remainder of your request is under review.

We have reviewed the proposed amendments and have concluded that they do not involve a significant hazards consideration and that there is reasonable assurance that the health and safety of the public will not be endangered by operation in the manner proposed. A copy of our related safety evaluation is enclosed.

Accordingly, Amendment No. 2 to DPR-24 and Amendment No. 4 to DPR-27 are enclosed authorizing your request.

Sincerely,

Original signed by
Donald J. Skovholt

Donald J. Skovholt
Assistant Director for
Operating Reactors
Directorate of Licensing

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Enclosures and ccs on next page

Wisconsin Michigan and Wisconsin
Electric Power Company

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Enclosures:

1. Amendment No. 2 to License No. DPR-24
2. Amendment No. 4 to License No. DPR-27
3. Federal Register Notice
4. Safety Evaluation

cc w/enclosures:

Mr. Bruce W. Churchill, Esquire
Shaw, Pittman, Potts, Trowbridge
and Madden
910 - 17th Street, N. W.
Washington, D. C. 20006

Myron M. Cherry, Esquire
One IBM Plaza
Chicago, Illinois 60611

Manitowoc Public Library
808 Hamilton Street
Manitowoc, Wisconsin 54220

Mr. Gary Williams
Federal Activities Branch
Environmental Protection Agency
1 N. Wacker Drive
Chicago, Illinois 60606

DISTRIBUTION

Docket File
AEC PDR
Branch Reading
HJMcAlduff, OROO
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RTedesco, L:CS(amdt only)
RJSchemel, L:ORB#1
GLainas, L:CSB(amdt only)
CLong, L:APCB(amdt only)
PFCollins, L:OLB
SVarga, L:RP
TJCarter, L:OR
JSaltzman, L:OAI
FLIngram, OIS
HIMueller, GMR/H
JFWagner, OC(FRN only)
WOMiller, DRA
CHEbron, DRA(amdt only)
NDube, L:OPS
MJinks, DRA (4)
BScharf, DRA (15)
PBERickson, L:ORB#1
SKari, L:RP
SATEets, L:ORB#1
ACRS (16)
RO (3)
OGC

OFFICE➤	L:ORB#1 <i>SAH</i>	L:ORB#1	L:ORB#1	OGC	L:OR <i>SAH</i>	
SURNAME➤	PBERickson:dc	SATEets	RJSchemel	<i>SAH</i>	DJSkovholt	
DATE➤	3/21/74	3/22/74	3/25/74	3/18/74	3/19/74	

WISCONSIN ELECTRIC POWER COMPANY

WISCONSIN MICHIGAN POWER COMPANY

DOCKET NO. 50-266

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 2
License No. DPR-24

1. The Atomic Energy Commission ("the Commission") has found that:
 - A. The application for amendment complies with the Atomic Energy Act of 1954, as amended ("the Act"), and the rules and regulations of the Commission;
 - B. The facility will operate in conformity with the application, as amended, 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 license 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 regulations of the Commission;
 - D. The applicable provisions of Part 140 of the Commission's regulations have been satisfied; and
 - E. 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 does not involve a significant hazards consideration.

Accordingly, Facility Operating License No. DPR-24, as amended, is hereby further amended by revising Paragraph 2.B. in its entirety to read:

- "B. Pursuant to the Act and 10 CFR Part 70, "Special Nuclear Material," to receive, possess, and use at any one time up to 2500 kilograms of U-235, 80 grams of encapsulated

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plutonium as a Pu-Be neutron source, 75 milligrams of U-238, and 120 milligrams of Np-237 as contained in sealed dosimeters, all 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
Donald J. Skovholt

Donald J. Skovholt
Assistant Director for
Operating Reactors
Directorate of Licensing

Date of Issuance: APR 9 1974

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WISCONSIN ELECTRIC POWER COMPANY

WISCONSIN MICHIGAN POWER COMPANY

DOCKET NO. 50-301

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 4
License No. DPR-27

1. The Atomic Energy Commission ("the Commission") has found that:
 - A. The application for amendment complies with the Atomic Energy Act of 1954, as amended ("the Act"), and the rules and regulations of the Commission;
 - B. The facility will operate in conformity with the application, as amended, 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 license 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 regulations of the Commission;
 - D. The applicable provisions of Part 140 of the Commission's regulations have been satisfied; and
 - E. 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 does not involve a significant hazards consideration.

Accordingly, Facility Operating License No. DPR-27, as amended, is hereby further amended by revising Paragraph 2.B. in its entirety to read:

- "B. Pursuant to the Act and 10 CFR Part 70, "Special Nuclear Material," to receive, possess, and use at any one time up to 2500 kilograms of U-235, and 16 grams of encapsulated

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plutonium contained in two Pu-Be neutron primary source assemblies, all in connection with operation of the facility;"

This amendment is effective as of date of issuance.

FOR THE ATOMIC ENERGY COMMISSION

Original signed by
Donald J. Skovholt

Donald J. Skovholt
Assistant Director for
Operating Reactors
Directorate of Licensing

Date of Issuance: APR 9 1974

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WISCONSIN ELECTRIC POWER COMPANY

WISCONSIN MICHIGAN POWER COMPANY

DOCKET NOS. 50-266 AND 50-301

NOTICE OF ISSUANCE OF FACILITY LICENSE AMENDMENTS

The Atomic Energy Commission has issued effective as of date of issuance, Amendment No. 2 to Facility Operating License No. DPR-24 and Amendment No. 4 to Facility Operating License No. DPR-27. The licenses authorize the Wisconsin Electric Power Company and the Wisconsin Michigan Power Company to possess, use, and operate the Point Beach Nuclear Power Plant Unit 1 and Point Beach Nuclear Power Plant Unit 2 reactors in the town of Two Creeks, Manitowoc County, Wisconsin. These amendments authorize the licensees to receive, possess, and use 2500 kilograms of uranium 235 for each unit in connection with operation. This increase in material is to permit the licensees to receive new fuel on site for refueling and for storing the spent fuel prior to shipment to a reprocessing facility. A small amount of the licensed U-235 will be used in fission detectors which was stated separately previously in the license. The use of the material for fission detectors has been evaluated previously and found acceptable; therefore, the specific designations are being removed since all the U-235 is being used in connection with operation of the reactors. The licensees have adequate storage racks for the new and spent fuel that will provide safe storage, and the procedures for handling and storage have been evaluated previously also.

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The licensees requested additional changes to the licenses; however, the remainder of the request is under review and action will be taken when the review is completed.

The Commission has found that the application for amendments complies with the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations published in 10 CFR Chapter I. The Commission has made the findings (relating to its review of the application) which are set forth in the amendments and has concluded that the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public and does not involve a significant hazards consideration.

For further details with respect to these amendments, see (1) the licensees' application for amendments dated February 22, 1974, (2) the amendments to Facility Operating Licenses Nos. DPR-24 and DPR-27, and (3) the related Safety Evaluation, all of which are available for public inspection at the Commission's Public Document Room at 1717 H Street, N. W., Washington, D.C. and at the Manitowoc Public Library, 808 Hamilton Street, Manitowoc, Wisconsin. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Atomic Energy Commission, Washington, D. C. 20545, Attention: Directorate Of Licensing.

Dated at Bethesda, Maryland, this **APR 9 1974**

FOR THE ATOMIC ENERGY COMMISSION

Original signed by
Robert J. Schemel

Robert J. Schemel, Chief
Operating Reactors Branch #1
Directorate of Licensing

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UNITED STATES ATOMIC ENERGY COMMISSION

SAFETY EVALUATION BY THE DIRECTORATE OF LICENSING

WISCONSIN ELECTRIC POWER COMPANY

WISCONSIN MICHIGAN POWER COMPANY

DOCKET NOS. 50-266 AND 50-301

By letter dated February 22, 1974, Wisconsin Electric Power Company requested an amendment to Licenses Nos. DPR-24 and DPR-27 to increase the amount of uranium 235 that they are permitted to receive, possess, and use in connection with operation of Point Beach Units No. 1 and 2. They also requested license amendments to authorize more flexibility in the use of radioactive sources at the two units. This review concerns only their request to increase the authorized amount of uranium 235.

At the present time, Wisconsin Electric is authorized 1400 kilograms of uranium 235 at Unit No. 1 and 1600 kilograms at Unit No. 2. They require the increased limit to 2500 kilograms for each unit to allow new fuel to be received on site for refueling while spent fuel is stored prior to shipment to reprocessing facilities. Refueling for Unit No. 1 is scheduled for early April 1974 and Unit No. 2 is scheduled for October 1974.

Adequate safe storage is available for new and spent fuel. Storage racks for new and spent fuel are designed so that fuel assemblies can only be inserted in the prescribed locations. Fuel in the new fuel and spent fuel storage pits is stored vertically in an array with a sufficient center to center distance between assemblies to assure $K_{\text{effective}} \leq 0.90$ with unborated water filling the space between the assemblies. Borated water is used to fill the spent fuel storage pit. This provides shielding and cooling for the spent fuel assemblies and additional margin to assure $K_{\text{effective}} \leq 0.90$.

The applicant is not owned, dominated, or controlled by an alien, a foreign corporation, or a foreign government. The applicant will rely upon obtaining fuel as it is needed from sources of supply available for civilian purposes so that no diversion of special nuclear material for military purposes is involved. For these reasons, and in the absence of any information to the contrary, we have found that the activities to be performed will not be inimical to the common defense and security.

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We conclude that increasing the amount of uranium 235 that the applicant is authorized to receive, possess, and use to 2500 kilograms for each unit does not involve a significant hazards consideration and that there is reasonable assurance that the health and safety of the public will not be endangered.

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Peter B. Erickson
Operating Reactors Branch #1
Directorate of Licensing

Original signed by
Robert J. Schemel^N

Robert J. Schemel, Chief
Operating Reactors Branch #1
Directorate of Licensing

Date: APR 9 1974

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