

DEC 21 1973

Docket No. 50-305

Wisconsin Public Service Corporation
ATTN: Mr. E. W. James
Senior Vice President
P. O. Box 1200
Green Bay, Wisconsin 54305

Gentlemen:

The Commission has issued Facility Operating License DPR-43 (copy enclosed) to Wisconsin Public Service Corporation, Wisconsin Power and Light Company, and Madison Gas and Electric Company to operate the Kewaunee Nuclear Power Plant for power generation at steady state reactor core power levels not to exceed 1650 megawatts thermal (full power) in accordance with the provisions of the license and Technical Specifications. A copy of a related notice which has been forwarded to the Office of the Federal Register for filing and publication is also enclosed.

The license is subject to the condition that operations beyond fuel loading shall not proceed until specifically approved in writing by the Commission.

~~Two~~ ^{Four} signed copies of Amendment 1 to Indemnity Agreement No. B-53 are enclosed for your review and acceptance. Please sign and return one copy of the agreement to the Directorate of Licensing.

Sincerely,

[Signature]
Karl Kniel, Chief
Light Water Reactors
Projects Branch 2-2
Directorate of Licensing

Enclosures:

- 1. License DPR-43
- 2. Federal Register Notice
- 3. Indemnity Agreement

OFFICE	LWR-2-2	LWR-2-2 <i>ML</i>	LWR-2-2 <i>KK</i>	OGC <i>ML</i>	EP	SOPI <i>CB</i>
SURNAME	M. Service:ng	LCrocker	KKniel	PSeiffert	DMoller	ABraitman
DATE	12/18/73	12/19/73	12/19/73	12/18/73	12/19/73	12/20/73

ccs:

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Mr. C. Giesler
Superintendent of Nuclear Power
Wisconsin Public Service Corporation
P. O. Box 1200
Green Bay, Wisconsin 54305

Mr. William F. Eich, Chairman
Public Service Commission of Wisconsin
Hill Farms State Office Building
Madison, Wisconsin 53702

Mr. Arden Koehler
Chairman, Town of Carlton
Route 1
Kewaunee, Wisconsin 54216

Mr. Donald L. Quistorff
Chairman, Kewaunee County Board
Kewaunee County Courthouse
Kewaunee, Wisconsin 54216

Mr. Hans L. Hamester
ATTN: Joan Sause
Office of Radiation Programs
Environmental Protection Agency
Room 647A, East Tower, Waterside Mall
4th & M Streets, S. W.
Washington, D. C. 20460

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

Mr. Bruce Blanchard
Office of Environmental Projects Review
Department of Interior
Room 5321
18th and C Streets, N. W.
Washington, D. C. 20240

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OFFICE➤						
SURNAME➤						
DATE➤						

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-305

WISCONSIN PUBLIC SERVICE CORPORATION

WISCONSIN POWER AND LIGHT COMPANY

MADISON GAS AND ELECTRIC COMPANY

Kewaunee Nuclear Power Plant

NOTICE OF ISSUANCE OF A FACILITY OPERATING LICENSE

Notice is hereby given that the Atomic Energy Commission (the Commission) has issued Facility Operating License No. DPR-43 to Wisconsin Public Service Corporation, Wisconsin Power and Light Company, and Madison Gas and Electric Company authorizing operation of the Kewaunee Nuclear Power Plant at steady state reactor core power levels not in excess of 1650 megawatts thermal, in accordance with the provisions of the license and the Technical Specifications. The Kewaunee Nuclear Power Plant is a pressurized water nuclear reactor located at the licensees' site in Kewaunee County, Wisconsin.

The Commission has made appropriate findings as required by the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license. The application for the license complies with the standards and requirements of the Act and the Commission's rules and regulations.

The license is effective as of its date of issuance and shall expire on August 6, 2008.

A copy of (1) Facility Operating License DPR-43, complete with Technical Specifications (Appendices A and B); (2) the reports of the Advisory Committee on Reactor Safeguards dated August 17, 1972 and June 14, 1973; (3) the Directorate of Licensing's Safety Evaluation dated July 24, 1972, and amendments thereto; (4) the Final Safety Analysis Report and amendments thereto; (5) the applicants' Environmental Report dated January 27, 1971, and supplements thereto; (6) the Draft Environmental Statement dated July 1972; and (7) the Final Environmental Statement dated December 1972; are available for public inspection at the Commission's Public Document Room at 1717 H Street, N. W., Washington, D. C., and the Kewaunee Public Library, 314 Milwaukee Street, Kewaunee, Wisconsin 54216. A copy of the license and the Safety Evaluation may be obtained upon request addressed to the United States Atomic Energy Commission, Washington, D. C. 20545, Attention: Deputy Director for Reactor Projects, Directorate of Licensing.

Dated at Bethesda, Maryland, this 21st day of December 1973.

FOR THE ATOMIC ENERGY COMMISSION

Karl Kniel, Chief
Light Water Reactors Branch 2-2
Directorate of Licensing



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

WISCONSIN PUBLIC SERVICE CORPORATION

WISCONSIN POWER AND LIGHT COMPANY

MADISON GAS AND ELECTRIC COMPANY

DOCKET NO. 50-305

KEWAUNEE NUCLEAR POWER PLANT

FACILITY OPERATING LICENSE

License No. DPR-43

1. The Atomic Energy Commission (the Commission) having found that:
 - A. The application for license filed by Wisconsin Public Service Corporation, Wisconsin Power and Light Company, and Madison Gas and Electric Company (the licensees) complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I and all required notifications to other agencies or bodies have been duly made;
 - B. Construction of the Kewaunee Nuclear Power Plant (facility) has been substantially completed in conformity with Provisional Construction Permit No. CPPR-50, as amended, and the application, as amended, the provisions of the Act and the rules and regulations of the Commission;
 - 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 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;
 - E. The licensees are 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 licensees have 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;
 - H. After weighing the environmental, economic, technical, and other benefits of the facility against environmental costs and considering available alternatives, the issuance of Facility Operating License No. DPR-43, subject to the condition 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 said Appendix D have been satisfied; and
 - I. The receipt, possession, and use of byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Part 30 and 70, including 10 CFR Section 30.33, 70.23 and 70.31.
2. Facility Operating License No. DPR-43 is hereby issued to Wisconsin Public Service Corporation, Wisconsin Power and Light Company and Madison Gas and Electric Company, to read as follows:
- A. This license applies to the Kewaunee Nuclear Power Plant, a pressurized water nuclear reactor and associated equipment (the facility), owned by Wisconsin Public Service Corporation, Wisconsin Power and Light Company, and Madison Gas and Electric Company. The facility is located in Kewaunee County, Wisconsin, and is described in the "Final Safety Analysis Report" as supplemented and amended (Amendments 7 through 31) and the Environmental Report as supplemented and amended.
 - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses Wisconsin Public Service Corporation, Wisconsin Power and Light Company, and Madison Gas and Electric Company:
 - (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 at the designated location in Kewaunee County, Wisconsin, in accordance with the procedures and limitations set forth in this license;

- (2) Pursuant to the Act and 10 CFR Part 70, "Special Nuclear Material," to receive, possess, and use at any time in connection with operation of the facility:
 - (a) Uranium-235, 40 milligrams in incore detectors,
 - (b) Plutonium-238, 200 curies as sealed Pu-Be sources,
 - (c) Uranium-235, 2335 kilograms contained in fuel assemblies.
- (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 operation of the facility:
 - (a) Cesium-137, no source to exceed 100 microcuries as sealed sources;
 - (b) Strontium-90, no source to exceed 1 microcurie as sealed sources;
 - (c) Plutonium-239, 1.0 microcurie as plated sources;
 - (d) Uranium-238, 0.03 microcurie as sealed capsules;
 - (e) Neptunium-237, 80 microcuries as sealed capsules;
 - (f) Barium-133, no source to exceed 1 microcurie as sealed source;
 - (g) Plutonium-238, 80 grams (5 curies) as Pu-Be sealed source;
 - (h) Americium-241, 5 curies as Am-Be sealed source;
 - (i) Cesium-137, 240 curies as sealed sources;
 - (j) Any byproduct material between atomic numbers 1 and 83, inclusive, not to exceed 0.2 millicurie per source in any chemical or physical form;
 - (k) Cesium-137, 2.5 curies as sealed source;
 - (l) Cesium-137 in liquid form, total quantity not to exceed 20 millicuries;
 - (m) Cobalt-60 in liquid form, total quantity not to exceed 20 millicuries.

- (4) Pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not to separate, such byproduct and special nuclear materials as may be produced by the operation of the 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, Section 40.41 of Part 40, 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 licensees are authorized to operate the facility at steady state reactor core power levels not in excess of 1650 megawatts (thermal).
- (2) Technical Specifications
- The Technical Specifications contained in Appendices A and B attached hereto are hereby incorporated in this license. The licensees shall operate the facility in accordance with the Technical Specifications.
- D. The licensees shall comply with applicable effluent limitations and other limitations and monitoring requirements, if any, specified pursuant to Section 401(d) of the Federal Water Pollution Control Act Amendments of 1972.
- E. This license is effective as of the date of issuance and shall expire at midnight, August 6, 2008.

FOR THE ATOMIC ENERGY COMMISSION:

A. Giambusso

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

Attachment:
Appendices A and B-
Technical Specifications

Date of Issuance:
December 21, 1973