

DEC 17 1977

Docket No. 50-305

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

Gentlemen:

The Commission has filed the enclosed "Notice of Proposed Issuance of Amendment to Facility Operating License" with the Office of the Federal Register for publication. This notice relates to your request dated November 14, 1977, for the Kewaunee Nuclear Power Plant which would increase the spent fuel storage capacity.

Sincerely,

ISI

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosure:
Federal Register Notice

cc w/encl:
See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

December 17, 1977

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ATTN: Mr. E. W. James
Senior Vice President
Post Office Box 1200
Green Bay, Wisconsin 54305

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Sincerely,

A handwritten signature in cursive script, reading "A. Schwencer", is written over the typed name.

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosure:
Federal Register Notice

cc w/encl:
See next page

cc: Steven E. Keane, Esquire
Foley, Sammond & Lardner
777 East Wisconsin Avenue
Milwaukee, Wisconsin 53202

Bruce W. Churchill, Esquire
Shaw, Pittman, Potts & Trowbridge
1800 M Street, NW
Washington, D. C. 20036

Kewaunee Public Library
314 Milwaukee Street
Kewaunee, Wisconsin 54216

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

Mr. Lester Huber
Chairman, Town of Carlton
Route 1
Kewaunee, Wisconsin 54216

Mr. Norman M. Clapp, Chairman
Public Service Commission of
Wisconsin
Hill Farms State Office Building
Madison, Wisconsin 53702

Chief, Energy Systems
Analyses Branch (AW-459)
Office of Radiation Programs
U. S. Environmental Protection Agency
Room 645, East Tower
401 M Street, S. W.
Washington, D.C. 20460

U. S. Environmental Protection Agency
Federal Activities Branch
Region V Office
ATTN: EIS COORDINATOR
230 South Dearborn Street
Chicago, Illinois 60604

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO.50-305

WISCONSIN PUBLIC SERVICE CORPORATION

WISCONSIN POWER AND LIGHT COMPANY

MADISON GAS AND ELECTRIC COMPANY

NOTICE OF PROPOSED ISSUANCE OF AMENDMENT TO
FACILITY OPERATING LICENSE

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. DPR-43, issued to Wisconsin Public Service Corporation, Wisconsin Power and Light Company and Madison Gas and Electric Company (the licensee), for operation of the Kewaunee Nuclear Power Plant located in Kewaunee, Wisconsin.

The amendment would increase the spent fuel storage capacity at Kewaunee.

By January 30, 1978 , the licensee may file a request for a hearing and any person whose interest may be affected by this proceeding may file a request for a hearing in the form of a petition for leave to intervene with respect to the issuance of the amendment to the subject facility operating license. Petitions for leave to intervene must be filed under oath or affirmation in accordance with the provisions of Section 2.714 of 10 CFR Part 2 of the Commission's regulations. A petition for leave to intervene must set forth the interest of the petitioner in the proceeding, how that interest may be affected by the results of the proceeding, and the petitioner's contentions with respect to the proposed licensing action. Such petitions must be filed in

accordance with the provisions of this FEDERAL REGISTER notice and Section 2.714, and must be filed with the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555; Attention: Docketing and Service Section, by the above date. A copy of the petition and/or request for a hearing should be sent to the Executive Legal Director, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, and to Steven E. Keane, Esquire, Foley, Sammond and Lardner, 777 East Wisconsin Avenue, Milwaukee, Wisconsin 53202, attorney for the licensee.

A petition for leave to intervene must be accompanied by a supporting affidavit which identifies the specific aspect or aspects of the proceeding as to which intervention is desired and specifies with particularity the facts on which the petitioner relies as to both his interest and his contentions with regard to each aspect on which intervention is requested. Petitions stating contentions relating only to matters outside the Commission's jurisdiction will be denied.

All petitions will be acted upon by the Commission or licensing board, designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel. Timely petitions will be considered to determine whether a hearing should be noticed or another appropriate order issued regarding the disposition of the petitions.

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In the event that a hearing is held and a person is permitted to intervene, he becomes a party to the proceeding and has a right to participate fully in the conduct of the hearing. For example, he may present evidence and examine and cross-examine witnesses.

For further details with respect to this action, see the application for amendment dated November 14, 1977, which is available for public inspection at the Commission's Public Document Room, 1717 H Street, NW., Washington, D.C. and at the Kewaunee Public Library, 314 Milwaukee Street, Kewaunee, Wisconsin 54216.

Dated at Bethesda, Maryland, this 17th day December 1977.

FOR THE NUCLEAR REGULATORY COMMISSION



A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

PRELIMINARY DETERMINATIONNOTICING OF PROPOSED LICENSING AMENDMENT

LICENSEE: Wisconsin Public Service Corporation (WPSC)

REQUEST FOR: Increase in spent fuel pool storage capacity at Kewaunee

REQUEST DATE: November 14, 1977

PROPOSED ACTION: (XX) Pre-notice Recommended
() Post-notice Recommended
() Determination delayed pending
completion of Safety Evaluation

- BASIS FOR DECISION:
1. The proposed modification to the spent fuel storage of the Kewaunee Nuclear Power Plant would increase its storage capacity from 168 to 990 fuel assemblies. To do this, the center-to-center spacing will be decreased from 21 inches to 10 inches. This closer spacing is accomplished by the use of B₄C (neutron poison) plates. The multiplication would be increased from < 0.90 to < 0.95 , which is a decrease in safety margin to criticality.
 2. The proposal involves an increase in the amount and age of spent fuel to be stored at the site, and consequently, some increase in the long lived radioactive isotopes in the spent fuel pool, but there would be a negligible increase in the short-lived isotopes contained in that stored fuel.
 3. An increase in the number and age of stored fuel assemblies would result in a small additional decay heat load on the spent fuel cooling system. This increase would result in a small reduced margin in the ability of the cooling system to maintain the fuel pool water temperature at acceptable levels.
 4. All other proposals to increase spent fuel pool storage capacity have been pre-noticed for similar reasons.
 5. Based on the above reasons a significant hazards consideration may be involved, therefore a pre-notice is recommended.

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- Proposed NEPA Action:
- () EIS Required
 - (X) Negative Declaration (ND) and Environmental Impact Appraisal (EIA) Required
 - () No EIS, ND or EIA Required
 - () Determination delayed pending completion of EIA

BASIS FOR DECISION: On September 16, 1975, the Commission announced (40 FR 42801) its intent to prepare a generic environmental impact statement on handling and storage of spent fuel from light water power reactors. In this notice, the Commission also announced its conclusion that it would not be in the public interest to defer licensing actions intended to ameliorate a possible shortage of spent fuel storage capacity pending completion of the generic environmental impact statement. The Commission directed that in the consideration of any such proposed licensing action, five specific factors should be applied, balanced, and weighed in the context of the required environmental statement or appraisal.

Since the proposed action: (1) does not significantly increase the types or amounts of effluents, (2) does not increase the authorized power level, and (3) is not expected to result in any significant increase in environmental impact an environmental impact statement need not be prepared. The five specific factors that the Commission directed to be considered in any proposed plant-specific license amendment will be reviewed in an environmental impact appraisal (EIA). Therefore, the preparation of an EIA and negative declaration (ND) regarding the proposed action is appropriate.

CONCURRENCES:

DATE:

1. <i>D. Neighbors</i>	<i>12/7/77</i>
2. <i>A. Schwencer</i>	<i>12/7/77</i>
3. <i>KRG</i>	<i>12/9/77</i>
4. <i>OELD</i>	<i>12/14/77</i>