

February 5, 1991

Docket No. 50-305

Mr. Ken H. Evers  
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SUBJECT: AMENDMENT NO. 89 TO FACILITY OPERATING LICENSE NO. DPR-43  
(TAC NO. 77077)

The Commission has issued the enclosed Amendment No. 89 to Facility Operating License No. DPR-43 for the Kewaunee Nuclear Power Plant. This amendment revises the Technical Specifications in response to your application dated June 29, 1990, as revised October 30, 1990.

Facility Operating License DPR-43 is amended by revising condition 2.C.(4) to reflect the current titles of the referenced security manuals. The amendment also revises Technical Specifications 6.5.1.2, 6.5.3.3, and 6.6.1.b to change the required members of the Plant Operations Review Committee and revise titles due to the recent organization change. The amendment also includes several revisions that update reference titles, clarify existing specifications and correct typographical errors.

A copy of the Safety Evaluation is also enclosed. Notice of issuance will be included in the Commission's next regular biweekly Federal Register notice.

Sincerely,

original signed by

9102150126 910205  
PDR ADDCK 05000305  
P PDR

Michael J. Davis, Project Manager  
Project Directorate III-3  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 89 to License No. DPR-43
2. Safety Evaluation

cc w/enclosures:  
See next page

Office: LA/PDIII-3  
Surname: PKreutzer  
Date: 1/8/91

*mgd*  
PM/PDIII-3  
MDavis/tg  
1/18/91  
2/5/91

*H*  
PD/PDIII-3  
JHannon  
1/18/91

OGC-WF1  
*OGC*  
1/24/91

*CS*  
*[Signature]*

Mr. Ken H. Evers  
Wisconsin Public Service Corporation

Kewaunee Nuclear Power Plant

cc:

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Mr. Harold Reckelberg, Chairman  
Kewaunee County Board  
Kewaunee County Courthouse  
Kewaunee, Wisconsin 54216

Chairman  
Public Service Commission of Wisconsin  
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Wisconsin Public Service Commission  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

WISCONSIN PUBLIC SERVICE CORPORATION

WISCONSIN POWER AND LIGHT COMPANY

MADISON GAS AND ELECTRIC COMPANY

DOCKET NO. 50-305

KEWAUNEE NUCLEAR POWER PLANT

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 89  
License No. DPR-43

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Wisconsin Public Service Corporation, Wisconsin Power and Light Company, and Madison Gas and Electric Company (the licensees) dated June 29, 1990, as revised October 30, 1990, 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;
  - B. The facility will operate in conformity with the application, 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 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 Commission's regulations;
  - D. 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
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-43 is hereby amended to read as follows:

9102150174 910205  
PDR ADDCK 05000305  
P PDR

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 89, are hereby incorporated in the license. The licensees shall operate the facility in accordance with the Technical Specifications.

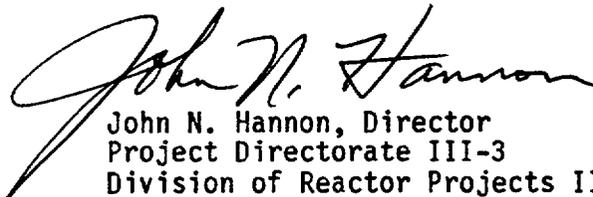
3. Also, paragraph 2.C.(4) of Facility Operating License No. DPR-43 is hereby amended to read as follows:

(4) Physical Protection

The licensee shall fully implement and maintain in effect all provisions of the Commission-approved "Kewaunee Nuclear Power Plant Security Manual", Rev. 1, approved by the NRC on December 15, 1989; the "Kewaunee Nuclear Power Plant Security Force Training and Qualification Manual", Rev. 7, approved by the NRC on November 17, 1987; and the "Kewaunee Nuclear Power Plant Security Contingency Plan", Rev. 1, approved by the NRC on September 1, 1983. These manuals include amendments made pursuant to provisions of the Miscellaneous Amendments and Search Requirements revisions to 10 CFR 73.55 (51 FR 27817 and 27822) and to the authority of 10 CFR 50.90 and 10 CFR 50.54(p).

4. This license amendment is effective as of the date of its issuance, and is to be implemented within 30 days of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John N. Hannon, Director  
Project Directorate III-3  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 5, 1991

ATTACHMENT TO LICENSE AMENDMENT NO. 89

FACILITY OPERATING LICENSE NO. DPR-43

DOCKET NO. 50-305

Revise Appendix A Technical Specifications by removing the pages identified below and inserting the enclosed pages. The revised pages are identified by amendment number and contain marginal lines indicating the area of change.

REMOVE

TS 6-2a  
TS 6-7  
TS 6-8  
TS 6-11a  
TS 6-13  
TS 6-25

INSERT

TS 6-2a  
TS 6-7  
TS 6-8  
TS 6-11a  
TS 6-13  
TS 6-25

## 6.4 TRAINING

6.4.1 A retraining and replacement training program for the Plant Staff shall be maintained under the direction of the Training Supervisor and shall meet or exceed the requirements and recommendations of Section 5.5 of ANSI-N18.1-1971 and 10 CFR Part 55.

6.4.2 A training program for the Fire Brigade shall be maintained under the direction of the Nuclear Fire Protection Coordinator and shall meet or exceed the requirements of Section 27 of the NFPA Code-1975, except that training sessions shall be held quarterly.

## 6.5 REVIEW AND AUDIT

### 6.5.1 PLANT OPERATIONS REVIEW COMMITTEE (PORC)

#### FUNCTION

6.5.1.1 The PORC shall function to advise the Plant Manager on matters related to nuclear safety.

#### COMPOSITION

6.5.1.2 The PORC shall be composed of, but not necessarily limited to:

Chairman:	Plant Manager
Required Members:	Assistant Manager-Plant Maintenance Assistant Manager-Plant Operations Assistant Manager-Plant Services Superintendent-Plant Operations Plant Reactor Supervisor Supervisor-Plant Quality Programs Superintendent-Plant Instrument and Control Superintendent-Plant Information Systems (Secretary)

#### ALTERNATES

6.5.1.3 Alternate members shall be appointed in writing by the PORC Chairman to serve on a temporary basis; however, no more than two alternates shall participate in PORC meetings at any one time.

6. Review and/or prepare safety evaluations of all plant design changes.
7. Audits as required by the Quality Assurance Program and as outlined in Section 6.5.3.8.

6.5.2.4 Deleted

6.5.3 NUCLEAR SAFETY REVIEW AND AUDIT COMMITTEE (NSRAC)

FUNCTION

6.5.3.1 The NSRAC shall function to provide independent review and audit of designated activities in the areas of:

- a. Nuclear Power Plant Operations
- b. Nuclear Engineering
- c. Chemistry and Radio-Chemistry
- d. Metallurgy
- e. Instrumentation
- f. Radiological Safety
- g. Mechanical and Electrical Engineering
- h. Quality Assurance Practices
- i. Other appropriate fields as determined by the Committee, to be associated with the unique characteristics of the nuclear power plant.

COMPOSITION

6.5.3.2 The NSRAC shall be composed of, but not necessarily limited to:

- a. At least three technically qualified persons who are not members of the plant staff.
- b. One member from the supervisory staff of the plant.
- c. At least two qualified non-company affiliated technical consultants.
- d. Plus in-house staff management advisors as required.

The Committee membership and its Chairman and Vice Chairman shall be appointed by the Senior Company Officer to whom the NSRAC reports. Each member of the NSRAC shall have an academic degree in an engineering or physical science field; and in addition, shall have a minimum of five years technical experience, of which a minimum shall be in one or more areas given in 6.5.3.1.

#### ALTERNATES

- 6.5.3.3 Alternate members shall be appointed by the NSRAC Chairman, upon approval by the Vice President - Nuclear Power, to serve on a temporary basis; however, no more than two alternates shall participate in NSRAC activities at any one time.

#### CONSULTANTS

- 6.5.3.4 Consultants may be utilized as determined by the Chairman - NSRAC to provide expert advice to the NSRAC.

#### MEETING FREQUENCY

- 6.5.3.5 The NSRAC shall meet at least once every six months.

6.6 REPORTABLE EVENTS

Actions

6.6.1 The following actions shall be taken for Reportable Events:

- a. The Commission shall be notified and a report submitted pursuant to the requirements of 10CFR50.73, and
- b. Each Reportable Event shall be reviewed by PORC, and the results of this review shall be submitted to NSRAC and the Vice President - Nuclear Power.

## 6.9 REPORTING REQUIREMENTS

In addition to the applicable reporting requirements of Title 10, Code of Federal Regulations, the following identified reports shall be submitted to the Director of the appropriate Regional Office of Inspection and Enforcement unless otherwise noted.

### 6.9.1 Routine Reports

#### a. Startup Report

A summary report of plant startup and power escalation testing shall be submitted following (1) receipt of an operating license, (2) amendment to the license involving a planned increase in power level, (3) installation of fuel that has a different design or has been manufactured by a different fuel supplier, and (4) modifications that may have significantly altered the nuclear, thermal, or hydraulic performance of the plant. The report shall address each of the tests identified in the USAR and shall in general include a description of the measured values of the operating conditions or characteristics obtained during the test program and a comparison of these values with design predictions and specifications. Any corrective actions that were required to obtain satisfactory operation shall also be described. Any additional specific details required in license conditions based on other commitments shall be included in this report.

Startup reports shall be submitted within (1) 90 days following completion of the startup test program, (2) 90 days following resumption or commencement of commercial power operation, or (3) 9 months following initial criticality, whichever is earliest. If the Startup Report does not cover all three events

6.19 MAJOR CHANGES TO RADIOACTIVE LIQUID, GASEOUS AND SOLID WASTE TREATMENT SYSTEMS<sup>4</sup>

6.19.1 Licensee initiated major changes to the radioactive waste systems (liquid, gaseous and solid):

- a. Shall be reported to the Commission in the Semiannual Radioactive Effluent Release Report for the period in which the evaluation was reviewed by the PORC. The discussion of each change shall contain:
  1. A summary of the evaluation that led to the determination that the change could be made in accordance with 10 CFR Part 50.59.
  2. Sufficient information to support the reason for the change without benefit of additional or supplemental information;
  3. A description of the equipment, components and processes involved and the interfaces with other plant systems;
  4. An evaluation of the change, which shows the predicted releases of radioactive materials in liquid and gaseous effluents and/or quantity of solid waste that differ from those previously predicted in the license application and amendments thereto;
  5. An evaluation of the change, which shows the expected maximum exposures to individuals in the UNRESTRICTED AREA and to the general population that differ from those previously estimated in the license application and amendments thereto;

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<sup>4</sup> Licensees may choose to submit the information called for in this Specification as part of the annual USAR update.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATING TO AMENDMENT NO. 89 TO FACILITY OPERATING LICENSE NO. DPR-43

WISCONSIN PUBLIC SERVICE CORPORATION  
WISCONSIN POWER AND LIGHT COMPANY  
MADISON GAS AND ELECTRIC COMPANY

KEWAUNEE NUCLEAR POWER PLANT

DOCKET NO. 50-305

1.0 INTRODUCTION

By letter dated June 29, 1990, as revised October 30, 1990, Wisconsin Public Service Corporation (the licensee) requested an amendment to change License Condition 2.C.(4) of Facility Operating License No. DPR-43 for the Kewaunee Nuclear Power Plant (KNPP). The proposed amendment also requested changes to the Technical Specification (TS) to revise TS 6.5.1.2, 6.5.3.3, and 6.6.1.b to revise the required members of the Plant Operations Review Committee (PORC) and revise titles due to the recent organizational change. The proposed amendment also includes several revisions that update reference titles, clarify existing specifications and correct typographical errors.

2.0 DISCUSSION

In paragraph 2.C.(4) of the facility operating license the titles of three physical security manuals are being revised to reflect the current titles of the manuals. This is an administrative change to maintain the accuracy of the physical security section of the license.

In TS section 6.4.1, the reference to Appendix A of 10 CFR Part 55 is being removed. Appendix A was incorporated into the body of 10 CFR Part 55 and is no longer a separate section.

In TS section 6.5.1.2, the required members of the PORC are being changed to reflect title changes and position changes which occurred in the recent organizational change.

The former Superintendent-Plant Quality Control was named Superintendent-Plant Information Systems. The title Superintendent-Plant Information Systems is therefore being added and the title Superintendent-Plant Quality Control deleted from PORC required membership. The Technical Support Department was dissolved in the reorganization, with responsibilities of the group being assigned to the maintenance group, operations group and to the newly created plant quality programs group. The title of Superintendent-Plant Technical

is being deleted from PORC membership, and the title of Supervisor-Plant Quality Programs is being added. Also, the title Superintendent-Plant Instrument and Control is being added to the required PORC membership list due to reorganization within the maintenance group which now has this position reporting directly to the Plant Manager.

In TS sections 6.5.3.3 and 6.6.1.b, the personnel title Assistant Vice President-Nuclear Power is being changed to Vice President-Nuclear Power. This is a title change only; the responsibilities and reporting status of this position remain unchanged.

In TS Section 6.9.1 and footnote 4 of 6.19, the term FSAR is being changed to USAR to reflect the title change when the Final Safety Analysis Report was updated to become the Updated Safety Analysis Report.

Several other minor typographical errors are also being corrected by this proposed revision.

### 3.0 EVALUATION

The staff has evaluated the proposed amendment and finds that the changes are mostly administrative in nature with no safety significance. The proposed amendment corrects typographical errors, revises reference titles and personnel title changes and reflects organizational changes.

The changes in the required membership on the Plant Operations Review Committee do not delete any of the functions necessary for the safe operation of the facility. These changes are consistent with Sections 13.1.1 and 13.1.2 of the Standard Review Plan.

The proposed changes do not change the intent of any existing specifications or represent a decrease in the engineering, technical, operational or management support for the plant. The changes are necessary to maintain the accuracy of the Technical Specifications.

On the basis of the above evaluation, the staff finds the proposed changes to be acceptable.

### 4.0 ENVIRONMENTAL CONSIDERATION

This amendment relates to changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). The amendment also relates to safeguards matters and does not involve any significant construction impacts. Accordingly, the amendment also meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(12). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

## 5.0 CONCLUSION

The staff has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner; and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: Michael J. Davis

Dated: February 5, 1991