

February 2, 1987

Docket Nos. 50-266  
and 50-301

Mr. C. W. Fay, Vice President  
Nuclear Power Department  
Wisconsin Electric Power Company  
231 West Michigan Street, Room 308  
Milwaukee, Wisconsin 53201

Dear Mr. Fay:

The Commission has issued the enclosed Amendment Nos. 105 and 108 to Facility Operating License Nos. DPR-24 and DPR-27 for the Point Beach Nuclear Plant, Unit Nos. 1 and 2. The amendments consist of changes to the Technical Specifications in response to your application dated August 29, 1986.

These amendments revise the limiting conditions for operation (LCO) for the component cooling water system to reflect the addition of a fourth heat exchanger to the system.

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

Sincerely,

*151*  
Timothy G. Colburn, Project Manager  
PWR Project Directorate #1  
Division of PWR Licensing-A

Enclosures:

1. Amendment No. 105 to DPR-24
2. Amendment No. 108 to DPR-27
3. Safety Evaluation

cc w/enclosures:  
See next page

LA/PAD#1:DPLA  
PShuttleworth  
01/15/87 *MLA*

*Re*  
PM/PAD#1:DPLA  
TColburn/  
01/15/87

*OGC*  
*R. Buchmann*  
01/16/87  
*Note date change in FRN*

*DCR/for*  
PD/PAD#1 *Rec*  
Glear *for*  
01/15/87

*MLA*

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Mr. C. W. Fay  
Wisconsin Electric Power Company

Point Beach Nuclear Plant  
Units 1 and 2

cc:

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Hills Farms State Office Building  
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U.S. Nuclear Regulatory Commission  
Office of Executive Director  
for Operations  
799 Roosevelt Road  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

WISCONSIN ELECTRIC POWER COMPANY

DOCKET NO. 50-266

POINT BEACH NUCLEAR PLANT, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 105  
License No. DPR-24

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Wisconsin Electric Power Company (the licensee) dated August 29, 1986 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.

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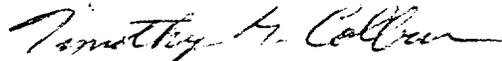
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-24 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No.105 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective 20 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Timothy G. Colburn, Project Manager  
PWR Project Directorate #1  
Division of PWR Licensing-A

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 2, 1987



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

WISCONSIN ELECTRIC POWER COMPANY

DOCKET NO. 50-301

POINT BEACH NUCLEAR PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 108  
License No. DPR-27

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Wisconsin Electric Power Company (the licensee) dated August 29, 1986 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 3.B of Facility Operating License No. DPR-27 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No.108 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective 20 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Timothy G. Colburn, Project Manager  
PWR Project Directorate #1  
Division of PWR Licensing-A

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 2, 1987

ATTACHMENT TO LICENSE AMENDMENT NOS. 105 AND 108  
TO FACILITY OPERATING LICENSE NOS. DPR-24 AND DPR-27  
DOCKET NOS. 50-266 AND 50-301

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

REMOVE

15.3.3-4  
15.3.3-5

INSERT

15.3.3-4  
15.3.3-5

- c. Any valve required for the functioning of the system during accident conditions may be inoperable provided repairs are completed within 24 hours. Prior to initiating repairs, all valves in the system that provide the duplicate function shall be tested to demonstrate operability. (Exception: If a spray pump is removed from service per b above, valves associated with that train may be removed from service for the period specified for the pump.)

C. Component Cooling System

Single Unit Operation

1. One reactor shall not be made critical unless the following conditions are met:
  - a. The two component cooling pumps assigned to that unit are operable.
  - b. Either the component cooling heat exchanger associated with the unit together with one of the shared spare heat exchangers are operable or the two shared spare heat exchangers are operable.
  - c. All valves, interlocks and piping associated with the above components, and required for the functioning of the system during accident condition, are operable.
2. During power operation, the requirements of 15.3.3.C-1 may be modified to allow one of each of the following conditions at any one time. If the system is not restored to meet the conditions of 15.3.3.C-1 within the time period specified, the reactor shall be placed in the hot shutdown condition. If the requirements of 15.3.3.C-1 are not

satisfied within an additional 48 hours, the reactor shall be placed in the cold shutdown condition.

- a. One of the assigned component cooling pumps may be out of service provided a pump is restored to operable status within 24 hours.
- b. Two heat exchangers which may be aligned to the operating unit may be out of service provided repairs can be completed within 48 hours.

#### Two Unit Operation

1. Both reactors shall not be made critical unless the following conditions are met:
  - a. Three component cooling pumps are operable.
  - b. Three component cooling heat exchangers are operable.
  - c. All valves, interlocks and piping required for the functioning of the system during accident conditions and associated with the above components are operable.
2. During power operation, the requirements of 15.3.3.C-1 may be modified to allow one of the following conditions at any one time. If the system is not restored to meet the conditions of 15.3.3.C-1 within the time period specified, one reactor shall be placed in the hot shutdown condition.
  - a. One of the three assigned component cooling pumps may be out of service provided a pump is restored to operable status within 24 hours.
  - b. Two heat exchangers may be out of service provided repairs can be completed within 48 hours.

#### D. Service Water System

1. Neither reactor shall be made or maintained critical unless the following conditions are met:



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NOS.105 AND 108 TO

FACILITY OPERATING LICENSE NOS. DPR-24 AND DPR-27

WISCONSIN ELECTRIC POWER COMPANY

POINT BEACH NUCLEAR PLANT, UNIT NOS. 1 AND 2

DOCKET NOS. 50-266 AND 50-301

INTRODUCTION

By letter dated August 29, 1986, the Wisconsin Electric Power Company (licensee) proposed changes to Specification 15.3.3.C of the Point Beach Nuclear Plant, Units 1 and 2 Technical Specifications. The existing specifications address single and two unit operation based on having a spare component cooling water (CCW) heat exchanger that can be lined up to either unit. The licensee has added an additional heat exchanger which can also be lined up to either unit. The new design, therefore, consists of four CCW heat exchangers, consisting of a dedicated heat exchanger for each unit, and two shared, spare heat exchangers that can be lined up to either unit.

DISCUSSION AND EVALUATION

The existing specification for single unit operation requires both CCW heat exchangers which can be aligned to the unit, to be operable before that unit is taken critical. The proposed change would require that either the CCW heat exchanger associated with a unit, together with one of the shared spare heat exchangers be operable or the two shared, spare heat exchangers be operable. Because the proposed change does not change the existing limiting condition for operation (LCO), namely, that two CCW heat exchangers which can be aligned to a unit be operable, the staff concludes that the proposed change to Specification 15.3.3.C.1.b is acceptable.

The existing specification for single unit operation also permits one CCW heat exchanger to be out of service for 48 hours during plant operation. The proposed change would allow two heat exchangers which may be aligned to the operating unit to be out of service for 48 hours. Because the proposed change allows operations for up to 48 hours on a single CCW heat exchanger, as do the existing specifications, and is more restrictive than the Standard Technical Specifications for CCW systems, which allow operation up to 72 hours on one heat exchanger, the staff concludes that the proposed changes to Specifications 15.3.3.C.2 and 15.3.3.C.2.b are acceptable.

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For two unit operation, the existing specification permits one CCW heat exchanger to be out of service during power operation of both units, provided that repairs can be completed within 48 hours. The proposed changes allows two heat exchangers to be out of service provided repairs can be completed within 48 hours, and does not change the condition that both units may continue operation at power for up to 48 hours with a single heat exchanger aligned to each unit.

Additionally, the existing limiting condition for operation of one or two unit's with one passive component other than the heat exchangers being out of service, has been deleted from Specification 15.3.3.C.2.b. The removal from service of a passive component in the system would not necessarily force the system to be aligned so that no back-up alignment could be made. Thus, the current wording makes the specifications redundant because if one or more passive components are out of service, resulting in the inoperability of a portion of the component cooling water system, operation of the reactor(s) is still limited by Specification 15.3.3.C, which addresses pumps, heat exchangers and all associated valves, interlocks and piping, similar to the Standard Technical Specifications which only address operable CCW trains.

The proposed changes do not change the repair time allowed by the existing specifications (48 hour repair time). As this allowed repair time is shorter than the Standard Technical Specifications (72 hour repair time with reference to operable CCW trains, not components), the staff concludes that the proposed changes to Specifications 15.3.3.C.2 and 15.3.3.C.2.b are acceptable.

#### ENVIRONMENTAL CONSIDERATION

These amendments involve a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously published a proposed finding that these amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these amendments.

#### CONCLUSION

We have 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 the amendments will not be inimical to the common defense and security or to the health and safety of the public.

#### ACKNOWLEDGEMENT

Principal Contributor:  
W. LeFave

Date: February 2, 1987

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