

DES MS-016

Docket Nos. 50-266  
and 50-301

FEB 2 1984

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

Dear Mr. Fay:

The Commission has issued the enclosed Amendment No. 82 to Facility Operating License No. DPR-24 and Amendment No. 84 to Facility Operating License No. DPR-27 for the Point Beach Nuclear Plant, Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications in response to your application transmitted by letter dated October 25, 1983.

These amendments clarify the limiting conditions for operation of steam generators and other decay heat removal equipment to indicate that these are only applicable when fuel is loaded in the core.

A copy of the Safety Evaluation is enclosed. The Notice of Issuance will be included in the Commission's next monthly Federal Register notice.

Sincerely,

Original signed by

Timothy G. Colburn, Project Manager  
Operating Reactors Branch #3  
Division of Licensing

Enclosures:

1. Amendment No. 82 to DPR-24
2. Amendment No. 84 to DPR-27
3. Safety Evaluation

cc w/enclosures:

See next page

~~ORB#3:DL  
PMKreutzer  
1/1/84~~

REC  
ORB#3:DL  
TColburn/pn  
1/24/84

ORB#3:DL  
JRMiller  
1/1/84

OELD  
Bachmann  
1/25/84

AD-OR:DL  
GCLatnas  
1/1/84

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PDR ADOCK 05000266  
PDR

Wisconsin Electric Power Company

cc:

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Shaw, Pittman, Potts and Trowbridge  
1800 M Street, N. W.  
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Two Rivers, Wisconsin 54241

Mr. Gordon Blaha  
Town Chairman  
Town of Two Creeks  
Route 3  
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Ms. Kathleen M. Falk  
General Counsel  
Wisconsin's Environmental Decade  
114 N. Carroll Street  
Madison, Wisconsin 53703

U. S. Environmental Protection Agency  
Federal Activities Branch  
Region V Office  
ATTN: Regional Radiation  
Representative  
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Chairman  
Public Service Commission of Wisconsin  
Hills Farms State Office Building  
Madison, Wisconsin 53702

Regional Administrator  
Nuclear Regulatory Commission, Region III  
Office of Executive Director for Operations  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137



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. 82  
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 October 25, 1983, 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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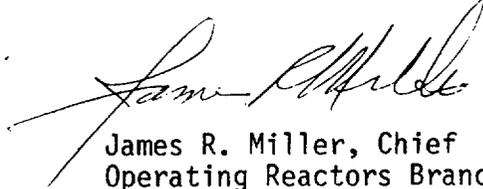
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-24 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 82, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective upon the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



James R. Miller, Chief  
Operating Reactors Branch #3  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 2, 1984



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. 86  
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 October 25, 1983, 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.

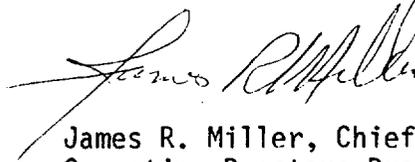
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-27 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 86, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective upon the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



James R. Miller, Chief  
Operating Reactors Branch #3  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 2, 1984

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 82 TO FACILITY OPERATING LICENSE NO. DPR-24

AMENDMENT NO. 86 TO FACILITY OPERATING LICENSE NO. DPR-27

DOCKET NOS. 50-266 AND 50-301

Revise Appendix A as follows:

Remove Page

15.3.1-1

Insert Page

15.3.1-1

### 15.3 LIMITING CONDITIONS FOR OPERATION

#### 15.3.1 REACTOR COOLANT SYSTEM

##### Applicability

Applies to the operating status of the Reactor Coolant System.

##### Objective

To specify those limiting conditions for operation of the Reactor Coolant System which must be met to ensure safe reactor operation.

##### Specification

#### A. OPERATIONAL COMPONENTS

##### 1. Coolant Pumps\*

- a. At least one reactor coolant pump or the residual heat removal system shall be in operation when a reduction is made in the boron concentration of the reactor coolant.
- b. When the reactor is critical and above 1% of rated power except for natural circulation tests, at least one reactor coolant pump shall be in operation.
- c. (1) Reactor power shall not be maintained above 10% of rated power unless both reactor coolant pumps are in operation.  
(2) If either reactor coolant pump ceases operating, immediate power reduction shall be initiated under administrative control as necessary to reduce power to less than 10% of rated power.

##### 2. Steam Generator\*

- a. One steam generator shall be operable whenever the average reactor coolant temperature is above 350°F.

##### 3. Components Required for Redundant Decay Heat Removal Capability\*

- a. Reactor coolant temperature less than 350°F and greater than 140°F.
  - (1) At least two of the decay heat removal methods listed shall be operable.
    - (a) Reactor Coolant Loop A, its associated steam generator and either reactor coolant pump
    - (b) Reactor Coolant Loop B, its associated steam generator and either reactor coolant pump

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\* Applicable only when one or more fuel assemblies are in the reactor vessel.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 82 TO FACILITY OPERATING LICENSE NO. DPR-24  
AND AMENDMENT NO. 86 TO FACILITY OPERATING LICENSE NO. DPR-27  
WISCONSIN ELECTRIC POWER COMPANY  
POINT BEACH NUCLEAR PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-266 AND 50-301

Introduction

On October 25, 1983 Wisconsin Electric Power Company (licensee) requested changes to the Technical Specifications for the Point Beach Nuclear Plant Units 1 and 2. The proposed changes clarify the intent of the Technical Specifications relating to limiting conditions for operation (LCOs) for reactor coolant pumps, steam generators and decay heat removal systems. Since the function of these systems is to remove heat generated by fuel assemblies in the reactor core during both power operation and after shut-down (removal of decay heat), the licensee has proposed changes to clarify that the LCOs for these systems only apply when one or more fuel assemblies are in the reactor vessel.

Discussion and Evaluation

On November 8, 1982 the NRC issued amendments to the licenses for Point Beach Nuclear Plant Units 1 and 2. These amendments modified the Technical Specifications for these license to incorporate LCOs to insure redundancy for decay heat removal capability in all modes of operation. The modes of operation considered by these LCO's were power operation, low power operation (physics testing), hot shutdown, cold shutdown and refueling. The intent of these technical specification changes was to upgrade the existing technical specifications to ensure redundant capability for decay heat removal would exist during all of the above operating conditions such that if a single active component failure in any of the decay heat removal systems were to occur, the ability to keep the core cooled would not be compromised.

Implicit in the intent of the LCOs was that decay heat was being generated. With no decay heat being generated, i.e., no previously irradiated fuel modules in the reactor vessel, the reactor coolant pumps together with their associated steam generators, coolant loops and the residual heat removal loops (pumps, motor-operated valves and associated heat exchangers) would not be required, as it would no longer be necessary to remove decay heat.

Since the LCOs as written describe applicable modes of operation based on expected temperature and pressure in the reactor coolant system and do not

presuppose that fuel is in the reactor vessel, the licensee has proposed changes to the LCOs relating to decay heat removal to clarify that they are only applicable when fuel is in the reactor vessel. They would not, for example, be applicable when the entire core is off loaded in the spent fuel pool.

Based upon the considerations discussed above, we agree with the licensee's determination that the LCOs relating to decay heat removal capability are only applicable when one or more fuel assemblies are in the reactor vessel and therefore, find the proposed changes to the Technical Specifications to be acceptable.

#### Environmental Consideration

We have determined that the amendments do not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendments involve an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of the 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Date: February 2, 1984

Principal Contributors:  
T. Colburn