

MARCH 17 1978

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Docket No. 50-301

Wisconsin Electric Power Company  
ATTN: Mr. Sol Burstein  
Executive Vice President  
231 West Michigan Street  
Milwaukee, Wisconsin 53201

Gentlemen:

The Commission has issued the enclosed Amendment No. 38 to Facility Operating License No. DPR-27 for the Point Beach Nuclear Plant, Unit No. 2. The amendment consists of changes to the Technical Specifications in response to your application dated February 28, 1978, as supplemented March 8, 1978.

This amendment consists of changes to the Technical Specifications to allow a one-time waiver of the requirement for monthly functional tests of the Turbine Stop and Governor Valves until the start of the fourth refueling outage.

Copies of the related Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

151

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

Enclosures:

1. Amendment No. 38 to DPR-27
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures:  
See page 2

*see enclosure  
p. 2 of SEP  
3/16/78*

*Const. 1  
60*

x27433:tsb 3/10/78	OFFICE →	ORB #1	OELD	ORB #1			
	SURNAME →	CMTramme11	Ketchen	ASchwencer			
	DATE →	3/13/78	3/15/78	3/17/78			



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

March 17, 1978

Docket No. 50-301

Wisconsin Electric Power Company  
ATTN: Mr. Sol Burstein  
Executive Vice President  
231 West Michigan Street  
Milwaukee, Wisconsin 53201

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Sincerely,

A handwritten signature in cursive script, appearing to read "A. Schwencer".

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

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See page 2

Wisconsin Electric Power Company - 2 - March 17, 1978

cc w/enclosures:

Mr. Bruce Churchill, Esquire  
Shaw, Pittman, Potts and Trowbridge  
1800 M Street, N. W.  
Washington, D. C. 20036

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

Mr. Arthur M. Fish  
Document Department  
University of Wisconsin -  
Stevens Point Library  
Stevens Point, Wisconsin 54481

Wisconsin Electric Power Company  
ATTN: Mr. Glen Reed  
Manager, Nuclear Power Division  
231 West Michigan Street  
Milwaukee, Wisconsin 53201

Chief, Energy Systems Analysis 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 S. Dearborn Street  
Chicago, Illinois 60604

Walter L. Meyer  
Town Chairman  
Town of Two Creeks, Wisconsin  
Route 3, Two Rivers, Wisconsin 54241

ATTACHMENT TO LICENSE AMENDMENT NO. 38

FACILITY OPERATING LICENSE NO. DPR-27

DOCKET NO. 50-301

Revise Appendix A as follows:

Remove the following page and insert identically numbered page.

Table 15.4.1-2 (continued)

TABLE 15.4.1-2 (CONTINUED)

	Test	Frequency	FSAR Section Reference
(14) Refueling System Interlocks	Functioning	Each refueling shutdown	9.4.5
(15) Service Water System	Functioning	Each refueling shutdown	9.5.5
(16) Primary System Leakgae	Evaluate	Monthly <sup>(6)</sup>	4
(17) Diesel Fuel Supply	Fuel inventory	Daily	8.2.3
(18) Turbine Stop and Governor Valves	Functioning	Monthly <sup>(6)</sup> (9)	10
(19) Low Pressure Turbine Rotor Inspection <sup>(5)</sup>	Visual and magnetic particle or liquid penetrant	Every five years	10
(20) Boric Acid System	Storage Tank Temperature	Daily	
(21) Boric Acid System	Visual observation of piping temperatures (all $\geq 145^{\circ}\text{F}$ )	Daily	
(22) Boric Acid Piping Heat Tracing	Electrical circuit operability	Monthly	

- (1) A radiochemical analysis for this purpose shall consist of a quantitative measurement of each radionuclide with half life of >30 minutes such that at least 95% of total activity of primary coolant is accounted for.
- (2) E determination will be started when the gross activity analysis of a filtered sample indicates  $>10 \mu\text{c/cc}$  and will be redetermined if the primary coolant gross radioactivity of a filtered sample increases by more than  $10 \mu\text{c/cc}$ .
- (3) Drop tests shall be conducted at rated reactor coolant flow. Rods shall be dropped under both cold and hot conditions, but cold drop tests need not be timed.
- (4) Drop tests will be conducted in the hot condition for rods on which maintenance was performed.
- (5) As accessible without disassembly of rotor.
- (6) Not required during periods of refueling shutdown.
- (7) At least once per week during periods of refueling shutdown.
- (8) At least three times per week (with maximum time of 72 hours between samples) during periods of refueling shutdown.
- (9) Effective in March 1978, the requirement for the monthly functional test for Point Beach Unit No. 2 is waived until the start of the fourth refueling outage.



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. 38  
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 February 28, 1978, as supplemented March 8, 1978 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 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. 38, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



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

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: March 17, 1978



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 38 TO FACILITY LICENSE NO. DPR-27

WISCONSIN ELECTRIC POWER COMPANY

POINT BEACH UNIT NO. 2

DOCKET NO. 50-301

Introduction

By letter dated February 28, 1978, as supplemented March 8, 1978, Wisconsin Electric Power Company (WEPCO) requested a change to the Technical Specifications appended to Facility Operating License No. DPR-27 for Point Beach Unit No. 2. The requested change would allow a one-time waiver of the monthly functional test of the turbine stop and governor valves required by March 20, 1978.

Discussion

During normal operation of Point Beach Unit No. 2, main steam enters the turbine through two turbine stop valves and four governor valves. One turbine stop valve admits steam to two governor valves. The governor valves regulate the flow of steam into the turbine thereby controlling the speed of the turbine or, when the generator is connected to the grid, the electrical output of the unit. The stop valves perform the turbine protection functions by automatically closing to stop the steam flow in the event of a turbine overspeed or other malfunction.

The valves are functionally tested on a monthly basis to ensure proper operation. In order to perform this test, a reactor power reduction to 70% is required. This is usually accomplished during convenient electrical load demand swings.

Evaluation

The licensee has requested a one-time waiver of the monthly functional test of the turbine stop and governor valves that is required by present Technical Specification surveillance requirements to be completed by March 20, 1978. The unit has been in essentially continuous service since its previous refueling in March-April of 1977, and is presently in a fuel cycle stretch-out period of operation. The Point Beach Unit No. 2 refueling outage was

originally scheduled to commence March 8, 1978 (and therefore the turbine valve test would not have been required), but has been rescheduled for March 21, 1978, in order to extend existing coal supplies. Absent the requested change, the turbine valve test would be required on March 20, 1978, with refueling commencing the next day, March 21, 1978.

Since the last refueling, the turbine stop and governor valves have performed properly during all required periodic tests and on occasions when automatic closure was required. These occasions included three unit trips and two maintenance shutdowns. During this operating period, the only problem noted involved a limit switch for the right-hand turbine stop valve which is designed to indicate when the valve is fully open. The operation of this limit switch has no safety significance.

Stretch-out operation at the end of core life conditions makes load swing operations difficult due to the effects of xenon transient reactivity. The effect of such xenon reactivity changes appears as flux tilts and possible flux oscillations during the subsequent return to full power operations. As a result of xenon buildup and poisoning, the plant may not be able to return to full power and may be shutdown if the Technical Specification test, requiring a reduction to 70% power, is accomplished at this time in core life. The licensee states in the submittal that "good operating practice should aim at minimizing reactor power cycling under these conditions."

In consideration of the satisfactory functional test experience over the past year as reported by the licensee, we conclude that there is reasonable assurance that the valves will perform as designed if called upon to do so. Therefore, we have determined that a one-time waiver of the monthly functional test is acceptable. A similar change under similar circumstances was approved for Unit 1 on September 6, 1977.

#### Environmental Consideration

We have determined that the amendment does 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 amendment involves 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 this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) 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.

Date: March 17, 1978

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-301

WISCONSIN ELECTRIC POWER COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSE

The U.S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 38 to Facility Operating License No. DPR-27 issued to Wisconsin Electric Power Company, which revised Technical Specifications for operation of the Point Beach Nuclear Plant Unit No. 2, located in the town of Two Creeks, Manitowoc County, Wisconsin. This amendment is effective as of the date of issuance.

This amendment consists of changes to the Technical Specifications to allow a one-time waiver of the requirement for monthly functional tests of the turbine stop and governor valves until the start of the fourth refueling outage.

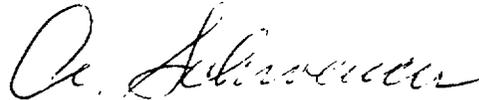
The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated February 28, 1978, as supplemented March 8, 1978, (2) Amendment No. 38 to License No. DPR-27, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, NW., Washington, D.C. and at the University of Wisconsin - Stevens Point Library, ATTN: Mr. Authur M. Fish, Stevens Point, Wisconsin 54481. A copy of items (2) and (3) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this 17th day of March 1978.

FOR THE NUCLEAR REGULATORY COMMISSION



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