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TBAbernathy

SEP 6 1977

Docket No. 50-266

Wisconsin Electric Power Company
Wisconsin Michigan 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. 27 to Facility Operating License No. DPR-24 for the Point Beach Nuclear Plant, Unit No. 1. The amendment consists of changes to the Technical Specifications and is in accordance with your application dated August 26, 1977.

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 for the month of September, 1977.

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

Sincerely,

Original signed by

George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Enclosures:

- 1. Amendment No. 27 to License DPR-24
- 2. Safety Evaluation
- 3. Federal Register Notice

cc w/enclosures:

See page 2

Constable

OFFICE ➤	ORB #3	ORB #3 <i>aw</i>	OELD	ORB #3		
SURNAME ➤	CParrish <i>cp</i>	Pwagner:mjf	<i>KETCHEN</i>	GLear <i>6</i>		
DATE ➤	9/2/77	9/2/77	9/2/77	9/6/77		

Wisconsin Electric Power Company - 2 -
Wisconsin Michigan Power Company

cc:

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
Point Beach Nuclear Plant
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



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

WISCONSIN ELECTRIC POWER COMPANY
WISCONSIN MICHIGAN POWER COMPANY

DOCKET NO. 50-266

POINT BEACH NUCLEAR PLANT UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 27
License No. DPR-24

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Wisconsin Electric Power Company and Wisconsin Michigan Power Company (the licensee) dated August 26, 1977, 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-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. 27, are hereby incorporated in the license. The licensees 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



George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 6, 1977

ATTACHMENT TO LICENSE AMENDMENT NO. 27
TO THE TECHNICAL SPECIFICATIONS
FACILITY OPERATING LICENSE NO. DPR-24
DOCKET NO. 50-266

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised page is identified by Amendment number and contains vertical lines indicating the area of change.

Remove

Table 15.4.1-2 (continued) - 2 pages

TABLE 15.4.1-2 (CONTINUED)

	<u>Test</u>	<u>Frequency</u>	<u>FSAR Section Reference</u>
(14) Refueling System Interlocks	Functioning	Each refueling shutdown	9.4.5
(15) Service Water System	Functioning	Each refueling shutdown	9.5.5
(16) Fire Protection Pump and Power Supply	Functioning	Monthly	9.5.5
(17) Primary System Leakage	Evaluate	Monthly (6)	4
(18) Diesel Fuel Supply	Fuel inventory	Daily	8.2.3
(19) Turbine Stop and Governor Valves	Functioning	Monthly (6) (9)	10
(20) Low Pressure Turbine Rotor Inspection ⁽⁵⁾	Visual and magnetic particle or liquid penetrant	Every five years	10
(21) Boric Acid System	Storage Tank Temperature	Daily	
(22) Boric Acid System	Visual observation of piping temperatures (all $>145^{\circ}\text{F}$)	Daily	
(23) 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)	\bar{E} determination will be started when the gross activity analysis of a filtered sample indicates ≥ 10 $\mu\text{c}/\text{cc}$ and will be redetermined if the primary coolant gross radioactivity of a filtered sample increases by more than 10 $\mu\text{c}/\text{cc}$.		
(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.		

TABLE 15.4.1-2 (CONTINUED)

- (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) The requirement of the monthly functional test is waived for the one month period of September, 1977.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 27 TO FACILITY LICENSES DPR-24

WISCONSIN ELECTRIC POWER COMPANY

WISCONSIN MICHIGAN POWER COMPANY

POINT BEACH UNIT NO. 1

DOCKET NO. 50-266

Introduction

By letter dated August 26, 1977, Wisconsin Electric Power Company (WEPCO) requested a change to the Technical Specifications appended to Facility Operating License DPR-24 for Point Beach Unit No. 1. The requested change would allow a one-time waiver of the monthly functional test of the Turbine Stop and Governor Valves required by September 7, 1977.

Discussion

During normal operation of Point Beach Unit No. 1, 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 requested a waiver of the monthly functional test of the Turbine Stop Governor Valves that is required by present Technical Specification limits to be completed by September 7, 1977 at Point Beach Unit No. 1. This unit has been in essentially continuous service since its previous refueling in October-November of 1976, and is presently in a fuel cycle stretch-out operation. Since the last refueling, the turbine stop and governor valves have been given all of the required Technical Specification surveillance tests. The valves have operated properly during all of these tests including occasions in which automatic closure was required. The last two tests were performed on July 2, 1977 (following a unit shutdown) and on July 31,

1977 (a normal surveillance test). The stretch-out operation at the end of core life conditions make 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 "prudent operating practice urges minimizing reactor power cycling under these conditions."

We agree with the licensee's objective in minimizing reactor power cycling in an effort to ensure continued reliable operation. Furthermore, 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.

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 §1.5(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.

Dated: September 6, 1977

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-266

WISCONSIN ELECTRIC POWER COMPANY
WISCONSIN MICHIGAN POWER COMPANY

NOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY
OPERATING LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 27 to Facility Operating License No. DPR-24 issued to Wisconsin Electric Power Company and Wisconsin Michigan Power Company, which revised Technical Specifications for operation of the Point Beach Nuclear Plant Unit No. 1, 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 for the month of September, 1977.

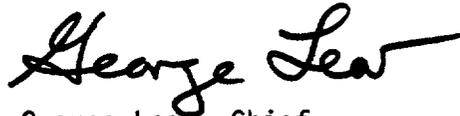
The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter 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 August 26, 1977, (2) Amendment No. 27 to License No. DPR-24, 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, N. W., Washington, D. C. and at the University of Wisconsin - Stevens Point Library, ATTN: Mr. Arthur 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 6th day of September 1977.

FOR THE NUCLEAR REGULATORY COMMISSION



George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors