

Docket Nos. 50-266  
and 50-301

SEP 30 1983

*Docket File*  
*DCS MS-016*

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. **74** to Facility Operating License No. DPR-24 and Amendment No. **79** 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 June 30, 1982.

These amendments revise the degraded grid voltage relay setpoint and associated time delay in Table 15.3.5-1 of the Technical Specifications.

A copy of the related 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*

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

Enclosures:

1. Amendment No. **74** to DPR-24
2. Amendment No. **79** to DPR-27
3. Safety Evaluation

cc w/enclosures:  
See next page

ORB#3:DL  
MKreutzer  
9/16/83

*Rec*  
ORB#3:DL  
TColburn/pn  
9/16/83

ORB#3:DL  
JMiller  
9/16/83

AD OR#4  
GCL:thas  
9/19/83

*WLL*  
OELD  
M. KARMAN  
9/21/83

Wisconsin Electric Power Company

cc:

Mr. Bruce Churchill, Esquire  
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Nuclear Regulatory Commission, Region III  
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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. 74  
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 June 30, 1982, 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.

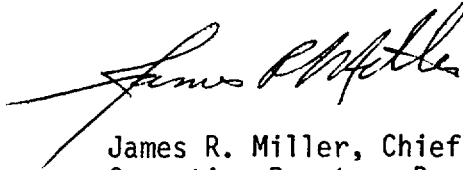
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-24 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 74, 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



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

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: September 30, 1983



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. 79  
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 June 30, 1982, 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.

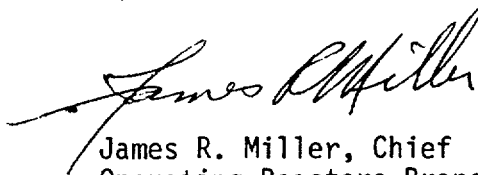
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-27 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 79, 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



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

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: September 30, 1983

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 74 TO FACILITY OPERATING LICENSE NO. DPR-24

AMENDMENT NO. 79 TO FACILITY OPERATING LICENSE NO. DPR-27

DOCKET NOS. 50-266 AND 50-301

Revise Appendix A as follows:

Remove Pages

Table 15.3.5-1  
page 2 of 2

Insert Pages

Table 15.3.5-1  
page 2 of 2

TABLE 15.--5-1 (Continued)  
(Page 2 of 2)

<u>NO.</u>	<u>FUNCTIONAL UNIT</u>	<u>CHANNEL</u>	<u>SETTING LIMIT</u>
9.	Degraded Voltage (4.16 KV)	Disconnection of affected bus from offsite power	>3875 volts $\pm$ 2% Time delay: less than 60 sec at 0-100% of voltage setting
10.	Loss of Voltage		
	a. 4.16 KV	Disconnection of affected bus from offsite power Start Diesel	a. 2450 volts $\pm$ 3% Time delay: 0.3 sec $\pm$ 5% at 0 volts 1.2 sec $\pm$ 5% at 90% of voltage setting
	b. 480 V	Load shedding	b. 256 volts $\pm$ 3% Time delay: 0.75 sec $\pm$ 5% at 0 volts 3.5 sec $\pm$ 15% at 90% of voltage setting

Point Beach Unit 1  
Point Beach Unit 2

Amendment No. 55, 57, 58, 74  
Amendment No. 60, 61, 62, 79





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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 74 TO FACILITY OPERATING LICENSE NO. DPR-24  
AND AMENDMENT NO. 79 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

By letter dated June 30, 1982, (Ref. 1), Wisconsin Electric Power Company (WEPC) requested a revision to the technical specifications, (item 9 of Table 15.3.5-1) to change the undervoltage setpoint and the trip time delay of the degraded voltage relays. The proposed changes were submitted in response to the licensee's analysis for adequacy of station distribution system voltages (Ref. 2), and our Safety Evaluation dated January 6, 1982, on the interim change request for the same item of the technical specifications (Ref. 3).

EVALUATION

The present (interim) technical specifications list 3760 volts (90% of 4160) as the setpoint for the degraded voltage relay with a 30 second trip time delay. With a -2% drift, the relay setpoint may be reduced to 3687 volts (88.6% of 4160) which is adequate for 4KV motors, but the 460 volt motors and downstream equipment will be subjected to less than 87% rated voltage at their terminals. These lower voltages and the related equipment ratings are discussed in detail in our Safety Evaluation dated January 6, 1982 (Ref. 3).

The proposed changes require the degraded voltage relays to be set at 3875 volts (93% of 4160) with a maximum of 60 seconds time delay. This voltage setpoint will assure 3797 volts (94.9% of 4000) at the terminals of 4KV motors and 414 volts (90% of 460) at the terminals of 460 volt motors.

Such a high voltage setpoint (93% of bus voltage) necessitates a longer time delay to prevent spurious tripping of the preferred power supply to the Class 1E buses. The proposed time delay overrides the transient voltage dip due to starting of large motors (more than 30 seconds when both reactor coolant pumps start one after the other) and prevents inadvertent trips. Also, the Class 1E equipment ratings, as evaluated in Reference 3, are well within the voltage setpoints of the loss of voltage relays submitted by the licensee in their letter of March 23, 1983 (Ref. 4).

The proposed voltage setpoints will ensure adequate voltage at the terminals of the Class 1E equipment and the time delay will prevent spurious tripping of the preferred power supply to the Class 1E buses.

Based on our evaluation, we conclude that the proposed changes to the technical specifications (item 9 of Table 15.3.5-1) will ensure adequate protection of Class 1E equipment from sustained degraded voltage conditions and are, therefore, 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 consideration 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.

Date: September 30, 1983

Principal Contributors:

T. Ahmed

T. Colburn

REFERENCES

1. WEPC letter (C. W. Fay) to NRC (H. R. Denton) dated June 30, 1982.
2. WEPC letter (C. W. Fay) to NRC (H. R. Denton) dated June 1, 1982.
3. NRC letter (T. G. Colburn) to WEPC (Sol Burstein) dated January 6, 1982.
4. WEPC letter (C. W. Fay) to NRC (H. R. Denton) dated March 23, 1983.