

February 3, 1988

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

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Dear Mr. Fay:

The Commission has issued the enclosed Amendment Nos. 111 and 114 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 October 13, 1987.

These amendments delete Technical Specification 15.5.3.A.8, which specifies a limiting quantity of fissionable material in the form of fabricated neutron flux detectors. In your application, you stated that failure to delete this specification was an oversight in light of the revision to paragraph 2.C of the Operating Licenses effected by Amendment 15 to DPR-24 and Amendment 20 to DPR-27 issued on March 17, 1976.

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*

David H. Wagner, Project Manager  
Project Directorate III-3  
Division of Reactor Projects

Enclosures:

1. Amendment No. 111 to DPR-24
2. Amendment No. 114 to DPR-27
3. Safety Evaluation

cc w/enclosures:  
See next page

Office: LA/PDIII-3	PM/PDIII-3	BC/SRXB	PD/PDIII-3	OGC
Surname: PKreutzer	DWagner/tg	MHodges	KPerkins	<i>Wagner</i>
Date: 01/6/88	01/6/88	01/7/88	02/3/88	02/2/88

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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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Office of Executive Director  
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Two Rivers, Wisconsin 54241



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. 111  
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 13, 1987 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. 111, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective immediately upon issuance. The Technical Specifications are to be implemented within 20 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Kenneth E. Perkins, Director  
Project Directorate III-3  
Division of Reactor Projects

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 3, 1988



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. 114  
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 13, 1987 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.

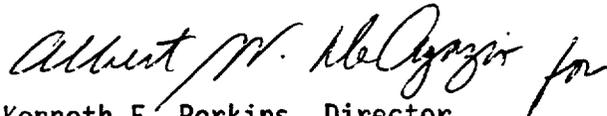
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-27 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 114, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective immediately upon issuance. The Technical Specifications are to be implemented within 20 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Kenneth E. Perkins, Director  
Project Directorate III-3  
Division of Reactor Projects

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 3, 1988

ATTACHMENT TO LICENSE AMENDMENT NOS. 111 AND 114  
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 page identified below and inserting the enclosed page. The revised page is identified by amendment number and contains marginal lines indicating the area of change.

REMOVE

15.5.3-2

INSERT

15.5.3-2

### 3. Transition Cores

The transition cores are defined as being any core loading pattern consisting of standard and OFA 14x14 fuel assemblies. Use of OFA demonstration assemblies in cores of standard design fuel does not constitute a transition core. The initial transition reactor core contains approximately 47 metric tons of uranium in the form of slightly enriched uranium dioxide pellets.

4. The average reload region enrichment of the initial transition core is a nominal 3.20 weight percent of U-235.
5. The transition reload fuel will be similar in design to the initial core standard fuel.
6. Burnable poison rods are incorporated for reactivity and/or power distribution control. The burnable poison rods consist of borated pyrex glass clad with stainless steel.<sup>(4)</sup>
7. There are 33 full length RCC assemblies in the reactor core. The full-length RCC assemblies contain a 142 inch length of silver-indium-cadmium alloy clad with the stainless steel.

### B. Reactor Coolant System

1. The design of the Reactor Coolant System complies with the code requirements.<sup>(6)</sup>
2. All high pressure piping, components of the Reactor Coolant System and their supporting structures are designed to Class I requirements, and have been designed to withstand:
  - a. The design seismic ground acceleration, 0.06g, acting in the horizontal and 0.04g acting in the vertical planes simultaneously, with stresses maintained within code allowable working stresses.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NOS. 111 AND 114 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 October 13, 1987, Wisconsin Electric Power Company (WEPCO, the licensee), proposed deleting Technical Specification (TS) 15.5.3.A.8. This TS specifies a limiting quantity (10 grams) of fissionable material which may be used in the core, or available on the plant site, in the form of fabricated neutron flux detectors. The licensee states that failure to delete this TS on previous amendments was an oversight. Specifically, on March 17, 1976, the Commission issued Amendment 15 to DPR-24 and Amendment 20 to DPR-27 which revised paragraph 2.C of the Operating Licenses to permit the licensee to receive, possess and use at any time, any source and special nuclear materials as fission detectors in the amounts required. Failure to delete TS 15.5.3.A.8 at this time was an oversight.

EVALUATION

By letter dated December 16, 1974, the Atomic Energy Commission (now the Nuclear Regulatory Commission) staff requested a number of licensees to provide proposed amendments to the conditions of their Facility Operating Licenses which relate to the receipt, possession and use of by product, source and special nuclear material. In response to this request, WEPCO submitted an amendment application for Point Beach 1 and 2 on September 8, 1975, as supplemented on January 30, 1976. On March 17, 1976, the staff issued Amendments 15 and 20 to Point Beach 1 and 2, respectively, in response to the licensee's request.

Among other changes effected by those amendments, Paragraphs 2.C of the Operating Licenses were amended to read:

Pursuant to the Act and 10 CFR Parts 30, 40 and 70 to receive, possess and use at any time any byproduct, source, and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;

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The amending of paragraph 2.C reflected the staff's procedure, as discussed in our December 16, 1974 letter, for not specifying quantity limits related to the receipt, possession and use of byproduct, source, and special nuclear material.

In its October 13, 1987 amendment requests, the licensee proposed deleting TS 15.5.3.A.8 which currently specifies a limiting quantity of fissionable material which may be used in the core, or available on the plant site, in the form of fabricated neutron flux detectors. The licensee stated that failure to delete this specification in Amendments 15 and 20 was an oversight.

The staff has reviewed the licensee's October 13, 1987 amendment requests and finds them acceptable. The staff agrees with the licensee that continuing to specify a limiting quantity of fissionable material in the form of fabricated neutron flux detectors in TS 15.5.3.A.8 is inconsistent with Amendments 15 and 20. Furthermore, deletion of TS 15.5.3.A.8 is consistent with the guidance contained in our December 16, 1974 letter and is consistent with the current practice of not specifying quantities of byproduct, source, and special nuclear materials in reactor licenses.

#### 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 or changes in an inspection or surveillance requirement. 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

The staff has 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.

Principal Contributor: David H. Wagner

Date: February 3, 1988