

September 13, 1994

Mr. Robert E. Link, Vice President  
Nuclear Power Department  
Wisconsin Electric Power Company  
231 West Michigan Street, Room P379  
Milwaukee, WI 53201

SUBJECT: POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2 - REQUEST FOR ADDITIONAL INFORMATION REGARDING REQUEST FOR EXEMPTION FROM THE REQUIREMENTS OF SECTION III.G OF APPENDIX R TO 10 CFR 50 FOR THE AUXILIARY FEEDWATER PUMP ROOM (TAC NO. M90066 AND M90067)

Dear Mr. Link:

By letter dated August 5, 1994, you requested an exemption from Section III.G.2.b of Appendix R to 10 CFR Part 50, for the Point Beach Nuclear Plant, Units 1 and 2. While conducting its review, the staff has determined that additional information is required to complete the review.

Please provide your response to the enclosed questions as soon as practical, in order for the staff to complete the review in a timely manner. If additional information is required, please contact me at (301) 504-1373.

This request for information affects fewer than 10 respondents; therefore, OMB clearance is not required under Public Law 96-511.

Sincerely,

ORIGINAL SIGNED BY:

Richard J. Laufer, Acting Project Manager  
Project Directorate III-3  
Division of Reactor Projects III/IV  
Office of Nuclear Reactor Regulation

Docket Nos. 50-301  
and 50-266

Enclosure:  
As stated

cc w/enclosure:  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Sincerely,

A handwritten signature in cursive script that reads "Richard J. Laufer".

Richard J. Laufer, Acting Project Manager  
Project Directorate III-3  
Division of Reactor Projects III/IV  
Office of Nuclear Reactor Regulation

Docket Nos. 50-301  
and 50-266

Enclosure:  
As stated

cc w/enclosure:  
See next page

Mr. Robert E. Link  
Wisconsin Electric Power Company

Point Beach Nuclear Plant  
Unit Nos. 1 and 2

cc:

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U.S. Nuclear Regulatory Commission  
6612 Nuclear Road  
Two Rivers, Wisconsin 54241

ENCLOSURE

WISCONSIN ELECTRIC COMPANY  
POINT BEACH NUCLEAR PLANT  
DOCKET NUMBER 50-301 and 50-266

REQUEST FOR ADDITIONAL INFORMATION  
APPENDIX R EXEMPTION REQUEST

- 1.0 In accordance with the requirements of 10 CFR 50.12(a)(2), provide an explanation of the special circumstances that are present with regard to the auxiliary feedwater pump room that qualify this area for consideration of an exemption under this part of the regulation. Describe why compliance with Section III.G. of Appendix R to 10 CFR 50 is not readily achievable in this fire area.
- 2.0 Describe the type of automatic suppression system provided in the auxiliary feedwater pump room and the level of compliance with any applicable National Fire Protection Association (NFPA) standards. Include an evaluation of the fire detection systems compliance with the applicable NFPA standard for protective signalling systems. Include an evaluation of the adequacy of the protection provided for the in-situ and transient fire hazards present in this area.
- 3.0 Describe the types and applications of all cables that are considered as intervening combustibles and present an exposure hazard to the redundant trains of safe shutdown equipment and cabling. Specify if the cables are IEEE 383 qualified or not and whether the cables are used for power, control or instrumentation. Provide a diagram showing all cable trays that are considered as an intervening combustible between redundant trains of all safe shutdown components located in this fire area, including those addressed under the 1985 exemption. Identify the function of the existing cable tray located at the northern end of the auxiliary feedwater pump room depicted in Attachment 2 of the August 5, 1994, exemption request that is not labeled.
- 4.0 Provide an evaluation of the actual combustible loading that could present an exposure hazard to the redundant trains of safe shutdown equipment and cabling, where an alternative method does not exist outside the auxiliary feedwater pump room. Include the locations, types and concentrations of the intervening combustibles relative to the location of the safe shutdown components, where alternative shutdown capability does not exist, outside of this fire area.
- 5.0 Provide the fire test data or engineering analysis concerning the flame spread and fire resistance performance of cable tray assemblies provided with sheet metal covers and a single layer of ceramic fiber blanket as described in the August 5, 1994, exemption request.

- 6.0 Provide specific details concerning the cable tray "fire breaks" installed in each end of the enclosed trays. Include the type of material used and the fire test or industry standard used to qualify the assembly as an adequate fire stop.
- 7.0 Verify that an adequate hose stream can be applied from the floor level by fire brigade personnel to extinguish a fire involving the cable trays or equipment in the auxiliary feedwater pump room using the hose station installed on the north side of the fire area.
- 8.0 Describe what operator actions, if any, are required in the auxiliary feedwater pump room for a fire in this area to achieve hot shutdown, including the allowable time to complete the required actions.
- 9.0 Specify the process monitoring instrumentation needed for safe shutdown located in the auxiliary feedwater pump room for the 3 cases identified in the exemption request where compliance with the separation criteria of Section III.G.2.b of Appendix R will not be achieved.
- 10.0 In the exemption that was granted for this fire area by the NRC on July 3, 1985, the staff stated in the safety evaluation that there was no alternate shutdown capability for the service water components independent of the auxiliary feedwater pump room. In the August 5, 1994, exemption request, the licensee states that alternate shutdown systems installed allows for the operation of two service water pumps independent of the auxiliary feedwater pump room. Please resolve the discrepancy between the safety evaluation and the exemption request.
- 11.0 Describe any modifications affecting fire protection and/or Appendix R in the auxiliary feedwater pump room that have been made since receiving NRC approval of the original exemption in 1985.
- 12.0 Specify the horizontal and vertical separation of cable tray GG04 from local control panels A and B and conduit D01-2.