

October 6, 1989

Docket No. 50-266
and 50-301

Mr. C. W. Fay, Vice President
Nuclear Power Department
Wisconsin Electric Power Company
231 W. Michigan Street, Room 308
Milwaukee, Wisconsin 53201

Distribution

Docket File

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Dear Mr. Fay:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION CONCERNING NUCLEAR FUEL STORAGE ENRICHMENT AMENDMENT REQUEST (TAC NOS. 68862 AND 68863)

The NRC staff has completed a preliminary review of your July 6, 1988 amendment request concerning fuel storage enrichments for the Point Beach Nuclear Plant, Unit Nos. 1 and 2. As a result of this preliminary review, we have determined that additional information is required in order to complete staff review of the amendment request. Specifically, the NRC staff requests that the licensee respond to staff concerns delineated below:

1. Describe the corrective actions to be taken if degraded Boraflex specimens or absorber is found in the spent fuel pool. Certain types of corrective actions, e.g. use of poison rods or checkerboard loading patterns, could require revised criticality analysis.
2. Do the Boraflex sheets extend to cover the full length of the active fuel zone, even after maximum shrinkage due to irradiation? If not, what effect does the resulting gaps have on the criticality analysis?
3. The radiological consequences of a spent fuel handling accident need to be analyzed at the higher fuel burnup levels planned for the new higher enriched fuel. Provide the results of this analysis.
4. It is the staff's understanding that your request to utilize an optional axial-zoned core-loading scheme refers to the use of a single enrichment throughout the active portion of the fuel assembly with axial blankets of natural (non-enriched) fuel above and below the active portion of the fuel assembly. Please confirm our understanding or provide additional justification.
5. The requirements of 10 CFR 51.52(b) for a detailed analysis of the environmental effects of transportation of fuel and wastes to and from the reactor must be satisfied. WEPCO should either adopt the NRC staff statement developed for Shearon Harris (53 FR 30355 as corrected by 53 FR 32322) if applicable or WEPCO should provide its own statement under 10 CFR 51.52(b).

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Mr. C. W. Fay

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In order to maintain our current review schedule, your response is requested prior to November 30, 1989. The information requested in this letter affects fewer than 10 respondents; therefore, OMB clearance is not required under Pub. L. 96-511.

Sincerely,

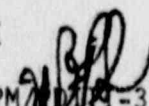
/s/

Warren H. Swenson, Project Manager
Project Directorate III-3
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

cc: See next page

DOCUMENT NAME: 68862/68863 RAI

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Surname: PKreutzer
Date: 10/10 /89


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Rec for
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