

January 12, 2005

Mr. Dennis L. Koehl
Site Vice President
Nuclear Management Company, LLC
6610 Nuclear Road
Two Rivers, WI 54241

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2, LICENSE RENEWAL
APPLICATION

Dear Mr. Koehl:

By letter dated February 25, 2004, Nuclear Management Company, LLC, (NMC or the applicant) submitted an application pursuant to 10 CFR Part 54, to renew the operating licenses for Point Beach Nuclear Plant (PBNP), Units 1 and 2, for review by the U.S. Nuclear Regulatory Commission (NRC). The NRC staff is reviewing the information contained in the license renewal application (LRA) and has identified, in the enclosure, areas where additional information is needed to complete the review.

These RAIs were discussed with your staff, Mr. Jim Knorr, and a mutually agreeable date for this response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-3703 or e-mail VMR1@nrc.gov.

Sincerely,
/RA/
Verónica M. Rodríguez, Project Manager
License Renewal Section A
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket Nos. 50-266 and 50-301

Enclosure: As stated

cc w/encls: See next page

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Point Beach Nuclear Plant, Units 1 and 2

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DISTRIBUTION: Ltr to: D. Koehl, NMC, LLC, Re: Point Beach Nuclear Plant, Units 1 and 2,
Dated: January 13, 2005

Adams accession no.: **ML050130356**

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OPA

POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2
LICENSE RENEWAL APPLICATION (LRA)
REQUEST FOR ADDITIONAL INFORMATION (RAI)

Appendix B3.3 Pre-Stressed Concrete Containment Tendon Surveillance Program

RAI B3.3-1

Scope of Program: The title of the program is “Prestressed Concrete Containment Tendon Surveillance Program,” that includes inspection of tendon wires, tendon corrosion protection medium, tendon anchorages, and monitoring of tendon prestressing forces. The “scope” element only includes monitoring of tendon prestressing forces part of the tendon surveillance. For the sake of consistency with the scope, the title of the program should be “Prestressed Concrete Containment Tendon Force Monitoring Program.” The applicant is requested to discuss this inconsistency.

RAI B3.3-2

Preventive Actions: In order to ensure that the tendon prestressing forces are not affected by age related degradation, it is essential that the tendons and their anchorages are not prone to corrosion. Ensuring the coverage of the tendons by qualified corrosion protection medium, and preventing ingress of water from the anchorage areas are the preventive measures. The staff recognizes that these aspects are covered under IWL inspections, the preventive measures need be identified in this program, may be through referencing Sections of B2.1.2 Program. The applicant is requested to justify the lack of this discussion in this program element.

RAI B3.3-3

The staff finds a reference to 10 CFR 50, Appendix B, and Section 1.4 of the PBNP FSAR acceptable as corrective action process and documentation requirements for “Corrective Actions” program element. However, Section X.S1 of NUREG-1801, which has been quoted as reference for this program, recommends the corrective actions to be taken as follows: “If acceptance criteria are not met, then either systematic retensioning of tendons, or a reanalysis of the containment is warranted to ensure the design adequacy of the containment.” The applicant is requested to provide information to justify why the program specific corrective actions should not be added to this element description.

RAI B3.3-4

In Section 15.3.1 of Appendix A of the LRA, the applicant summarizes the program, together with the relevant time limited aging analysis (Section 4.5 of the LRA). The applicant’s description is qualitative. For the summary to be meaningful, as a minimum, the applicant should provide a Table showing the minimum required prestressing forces and the projected (to 60 years) prestressing forces for each group of tendons which would demonstrate the validity of

Enclosure

the program and the corresponding TLA results. The applicant is requested to supplement this information in Section 15.3.1 of the UFSAR Supplement.