

March 29, 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. These questions on the time-limited aging analysis for the spent fuel pool storage rack boraflex, supercedes the Boraflex Monitoring Program questions previously submitted in the letter dated February 23, 2005. If you have any questions, please contact me at 301-415-3703 or e-mail VMR1@nrc.gov.

Sincerely,

/RA/

Veronica M. Rodriguez, 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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Adams Accession No.: ML050880194

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NAME	VRodriguez	GSuber (VRodriguez for)	MJenkins	SLee (JZimmerman for)
DATE	03/29/05	03/05/05	03/29/05	03/29/05

OFFICIAL RECORD COPY

Point Beach Nuclear Plant, Units 1 and 2

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DISTRIBUTION: Letter to D. Koehl, Re: RAI for review of Point Beach Nuclear Plant, Units 1 and 2, Dated: March 29, 2005

Adams Accession No.: ML050880194

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

Spent Fuel Pool Storage Rack Boraflex

RAI 4.6.1-1

In LRA Section B2.1.5, under the operating experience element, blackness tests along with Spent Fuel Pool (SFP) silica level measurements were completed during the August 1991, September 1996, and August 2001 scheduled surveillances. The staff requests the applicant to provide the most recent results of these tests to demonstrate that unexpected degradation of the Boraflex will be detected in a timely manner.

In addition, under the program description element in LRA Section B2.1.5, the applicant stated that blackness testing and areal density testing will be performed at a frequency of once every 5-years. Justification and approval of the 5-year frequency for blackness testing was provided in a Wisconsin Electric letter dated April 13, 1989, and U.S. Nuclear Regulatory Commission letter dated February 21, 1990. The staff requests the applicant to provide justification of the 5-year frequency for areal density testing using the requested data to demonstrate that the current rate of degradation will not exceed the acceptance criteria if the panels are tested at this frequency.

RAI 4.6.1-2

In LRA Section B2.1.5, under the program description element of the Boraflex Monitoring Program, the applicant stated that a predictive code, "EPRI RACKLIFE or its equivalent," will be used to determine which panels will be subjected to full length testing (*i.e.*, blackness testing, neutron attenuation, and areal density testing) and to trend and analyze SFP silica level measurement results. The input to the predictive code includes areal density and SFP silica level measurements. If areal density testing is first completed after the beginning of the period of extended operation, the staff requests the applicant to justify the ability of the predictive code to accurately project the condition of the panels to ensure that the degradation does not exceed the acceptance criteria with one set of data, or commit to conducting baseline testing prior to entering the period of extended operation.

RAI 4.6.1-3

In LRA Section B2.1.5, under the acceptance criteria element, the applicant stated that this element is consistent with NUREG-1801, "Generic Aging Lessons Learned (GALL) Report." The staff request the applicant to provide more information regarding your acceptance criteria and what specific corrective actions will be taken if trends indicate that the acceptance criteria may be met.