

September 23, 2004

Mr. Dennis L. Koehl
Site Vice President
Nuclear Management Company, LLC
6610 Nuclear Road
Point Beach Nuclear Plant
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 (TAC NOS. MC2099 AND MC2100)

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, Units 1 and 2, for review by the U.S. Nuclear Regulatory Commission (NRC). Since then, the NRC staff and NMC representatives had several conference calls to discuss NMC's reactor vessel integrity evaluation for license renewal. Following an August 3, 2004, public meeting, NMC submitted a September 10, 2004, letter revising the evaluation in response to staff questions. However the response did not address certain questions that were discussed at the meeting.

Please respond to the enclosed request for additional information (RAI). In addition, please meet with the staff within the next 2 weeks to resolve the questions, because the lack of adequate information on this evaluation could impact the license renewal review schedule.

If you have any questions, please contact me at 301-415-2232 or e-mail mjm2@nrc.gov.

Sincerely,

/RA/ Samson Lee for

Michael J. Morgan, 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/encl: See next page

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**REQUEST FOR ADDITIONAL INFORMATION
POINT BEACH UNIT 1&2
LICENSE RENEWAL SECTION 4.2
REACTOR VESSEL IRRADIATION EMBRITTLEMENT**

RAI 4.2-1 On August 3, 2004, NRC staff met with the licensee to discuss the reactor vessel integrity issues related to license renewal application. In that meeting, the NRC staff stated that when the applicant provides its revised RPV integrity analyses, one defined "operational basis" for projecting fluence values to be used for PTS, USE, and P-T limit TLAs must be chosen.

- On September 10, 2004, the licensee revised Sections 4.1.2, 4.2.1, 4.2.2, 4.2.3, Appendixes A15.2.18, 15.4.1, 15.5, and B2.1.18. The staff noted from the revised sections that the licensee did not provide one defined operational basis. The fluence projections used for PTS is different from the fluence projections used for pressure-temperature limits and the upper shelf energy evaluation (Ref. NRC-2004-0085, Page 2 of 40). Please modify your evaluation of reactor vessel TLAs (P-T, USE, RT_{PTS}) using the same projected fluence basis.

RAI 4.2-2 The staff also discussed on August 3, 2004 that once the applicant chooses their calculational basis, a PTS analysis should be submitted in accordance with the methodology in 10 CFR 50.61 for both units. The analysis must specifically state when Point Beach 2 will exceed the PTS screening criteria.

- On September 10, 2004, the licensee revised Sections 4.1.2, 4.2.1, 4.2.2, 4.2.3, Appendixes A15.2.18, 15.4.1, 15.5, and B2.1.18. The staff noted from the revised sections that the licensee did not respond as to when Point Beach Unit 2 will exceed the PTS screening criteria. Please provide the estimated EFPY and calendar year at which time RT_{PTS} values for Unit 2 will exceed the screening criteria.

Point Beach Nuclear Plant, Units 1 and 2

cc:

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