

September 28, 2005

Paul A. Harden  
Site Vice President  
Nuclear Management Company, LLC  
27780 Blue Star Memorial Highway  
Covert, MI 49043

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) FOR THE REVIEW OF  
THE PALISADES NUCLEAR PLANT, LICENSE RENEWAL APPLICATION  
(TAC NO. MC6433)

Dear Mr. Harden:

By letter dated March 22, 2005, Nuclear Management Company, LLC, (NMC or the applicant) submitted an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54 (10 CFR Part 54), to renew the operating license for Palisades Nuclear Plant (PNP), for review by the U.S. Nuclear Regulatory Commission (NRC). Subsequently, on May 5, 2005, the NRC received a supplement to the license renewal application. The NRC staff is reviewing the information contained in the license renewal application (LRA) and supplement and has identified, in the enclosure, areas where additional information is needed to complete the review.

The question was discussed with your staff, Mr. Robert Vincent, 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 301-415-2232 or via e-mail at [MJM2@nrc.gov](mailto:MJM2@nrc.gov).

Sincerely,

/RA/

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 No.: 50-255

Enclosure: As stated

cc w/encl: See next page

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**ADAMS Accession No.: ML052730468**

Document Name: E:\Filenet\ML052730468.wpd

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Palisades Nuclear Plant

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Palisades Nuclear Plant

- 2 -

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DISTRIBUTION: Letter to P. Harden, Re: RAIs for Palisades LRA, Dated: September 28, 2005  
**ADAMS Accession No.: ML052730468**

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**PALISADES NUCLEAR PLANT  
LICENSE RENEWAL APPLICATION (LRA)  
REQUEST FOR ADDITIONAL INFORMATION (RAI)**

**RAI 4.5.2(a)**

In response to RAI 4.5.2, the applicant provided an excerpt from its report entitled "30<sup>th</sup> Year Physical Tendon Surveillance of Palisades Nuclear Plant 2002," as Enclosure 4. In Section VIII of this enclosure (page 1 of the enclosure), the applicant stated that "as a result of the generator change and the re-tensioning of a large number of vertical tendons these must now be excluded from this analysis." The staff requests the applicant to explain:

- a) When the generator change and re-tensioning of a large number of vertical tendons were done? and,
- b) Since a large number of vertical tendons were excluded from the analysis, explain how the time-limited aging analysis (TLAA) for these excluded tendons is performed.

**RAI 4.5.2(b)**

Based on the information provided in the response to RAI 4.5.2, the applicant is requested to explain how does the 95% confidence the curves provided in Enclosure 4 were established.

**RAI 4.5.3(a)**

In response to RAI 4.5.3, the applicant provided a summary of the regression analysis data through tables and graphics in Enclosure 4. In the tables there are a number of tendons that appear to have been excluded from the analysis. These tendons are numbered as: D1-38, V334, and 65BF. The applicant is requested to provide the basis for exclusion of these tendons from the analysis.