

October 24, 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(L. Lund 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 No.: 50-255

Enclosure: As stated

cc w/encl: See next page

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Palisades Nuclear Plant

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Palisades Nuclear Plant

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DISTRIBUTION: Letter to P. Harden, Re: RAIs for Palisades LRA, Dated: October 24, 2005  
**ADAMS Accession No.: ML052980033**

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

**Pressurizer Quench Tank**

**RAI 3.1.2-1(a)**

In Table 3.1.2-1 (Page 3-40 of the LRA), two materials are listed for the pressurizer quench tank: epoxy-coated carbon steel and carbon steel (for the shell and heads). The latter material forms an external surface and is exposed to containment air. Consistent with the GALL Report, it is managed using the Boric Acid Corrosion Program.

According to the PNP FSAR, only the interior of the pressurizer quench tank is coated with epoxy, and the tank is blanketed with nitrogen. However, the PNP LRA identifies the environment to which the epoxy-coated steel is exposed as "containment air (ext.)."

Please confirm the nature of the environment(s) to which the epoxy-coated carbon steel is exposed. Also clarify the rationale for applying the system monitoring and One-Time Inspection Programs to manage loss of material from this location.

Enclosure