September 14, 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.

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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Palisades Nuclear Plant

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DISTRIBUTION: Letter to P. Harden, Re: RAIs for Palisades LRA, Dated: September 14, 2005
ADAMS Accession No.: ML052580267

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

RAI 2.4.1-1
On page 2-201 of the PNP LRA, it is stated in the last paragraph of the page that "The portion of the Auxiliary Building that are in-boundary and contain components..." Clarify the meaning of the phrase "in-boundary" as used in Section 2.4 and using the auxiliary building as an example to explain the criteria used in defining the three dimensional "in-boundary" lines for in-scope PNP structures.

RAI 2.4.1-2
LRA Table 2.4.1-1, Auxiliary Building provides three fuel related component entries. It is not clear to the staff as to whether PNP's spent fuel racks including their neutron absorbing material (if applicable), are designated as items requiring an aging management review (AMR). If yes, indicate the location in the LRA where the items are listed. Also, the table does not explicitly list cranes and their supporting rails as items requiring an AMR. The applicant is requested to provide additional information related to scoping and screening of the above mentioned PNP components.

RAI 2.4.2-1
A review of Table 2.4.2-1 indicates that the applicant has not identified any pipe (penetration) passing through the PNP containment as Class MC piping, as allowed by Figure NE-1120-1 of Subsection NE of Section III of the ASME Code. The applicant is requested to verify that all are Class MC pipe supports in the scope of license renewal.

RAI 2.4.8-1
Table 2.4.8-1 lists Water Treatment Building and Riprap-Yard-Soil components with their intended functions. Discuss the PNP's basis for not including these components as part of the Section 2.4 listing of structures and structural commodities. Also, explain as to why miscellaneous commodities (such as, fire barrier, elastomer, seal, gasket or filler) that are used in (1) containment interior structures, (2) feed water purity building (3) component supports and (4) other in-scope safety or non-safety structures are not specifically listed in Table 2.4.8-1 as items requiring aging management review.

RAI 2.4.9-1
Section 2.4.9 of the LRA provides a general description of the Switchyard and Yard Structures components that require an AMR. Confirm that precast reinforced concrete elements, such as manholes and rigid steel or PVC conduits and reinforced concrete duct banks, are items that require an AMR and list them in Table 2.4.9-1. Also, the discussion related to "Tank Foundations" on page 2-248 of the LRA states, "...with backfill compacted to 95% to support the tank bottoms." Clarify the meaning of the 95% number referenced in the above phrase.