

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.

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

- 2 -

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DISTRIBUTION: Letter to P. Harden, Re: RAIs for Palisades LRA, Dated: October 24, 2005
ADAMS Accession No.: ML052980038

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M. Morgan (PM)

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

RAI 2.3.2.1(a)

In Section 2.3.2.1, you have provided a description of engineered safety features (ESF) electrical actuation subsystems. However, in Section 2.5, you did not include the scoping criteria for these electrical components. Provide a listing of each electrical component associated with ESF and provide scoping criteria for each component.

RAI 2.5.6-1

You have stated that safety functions RIAs 5, 6, 9,12,13,16, and 17 are Q-listed and are in the boundary of license renewal. Why are these systems not in-scope of license renewal? Provide appropriate check mark for 10 CFR 54.21(a) criteria.

RAI 2.5.6-2

When systems/components are in Q-list, why aren't they in-scope of license renewal?

RAI 2.5.8

In Section 2.5.8, you have stated that station power system includes four 4160 volt buses, four 2400 volt buses, and several 480 volt load centers and 480 volt motor control centers. The subsystems are 4160 volts, 2400 volts, and 480 volts. Provide your justification of not including 120/208 volt ac, 120 volt ac (uninterruptible power), 125 volt dc, and 24 volt dc.

RAI 2.5.9-1

In Interim Staff Guidance-2 (ISG-2), the staff has determined that the plant system portion of the offsite power system that is used to connect the plant to the offsite power source should be included within the scope of the rule. This path typically includes the switchyard circuit breakers that connects to the offsite system power transformers (startup transformers), the transformer itself. In Section 2.5.9, you have provided license renewal boundaries of the switchyard. They included 345 kV Bus F, motor operated disconnect to the safeguard transformer and 345 kV Bus R and motor operated disconnect to the startup transformers.

- (a) Provide justification of not including the switchyard circuit breakers.
- (b) The 345 kV Bus F and R are not in scope for LR per Palisades Substation per drawing (LR-WD-1421-31). Clarify this discrepancy.
- (c) Revise the switchyard system function listing (SWY-01 to SWY-05) as appropriate.

RAI 2.5.9-2

The staff understands that dc power is required for motor operated disconnect (MOD). Provide your justification of not including components (battery, cables and connections) associated with MOD in-scope of license renewal.

Enclosure