

June 22, 2005

LICENSEE: Nuclear Management Company, LLC

FACILITY: Palisades Nuclear Plant

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE HELD ON JUNE 16, 2005,
BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND
NUCLEAR MANAGEMENT COMPANY, LLC, CONCERNING DRAFT
REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE
PALISADES NUCLEAR PLANT LICENSE RENEWAL APPLICATION

The U.S. Nuclear Regulatory Commission staff (the staff) and representatives of Nuclear Management Company, LLC (NMC) held a telephone conference on June 16, 2005, to discuss the staff's draft requests for additional information (D-RAIs) concerning the Palisades Nuclear Plant License Renewal Application. The conference call was useful in clarifying the intent of the staff's D-RAIs.

Enclosure 1 provides a listing of the meeting participants. Enclosure 2 contains a listing of the D-RAIs discussed with the applicant, including a brief description on the status of the items.

The applicant had an opportunity to comment on this summary.

/RA/

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License Renewal Section A
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Enclosures: As stated

cc w/encls: See next page

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Palisades Nuclear Plant

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DISTRIBUTION: Summary of telephone conference held on June 16, 2005 with NMC,
Dated: June 22, 2005

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TO DISCUSS THE
LICENSE RENEWAL APPLICATION
JUNE 16, 2005**

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Robert Vincent
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Affiliations

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NRC
Nuclear Management Company, LLC (NMC)
NMC
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**DRAFT REQUESTS FOR ADDITIONAL INFORMATION (D-RAI)
PALISADES NUCLEAR PLANT
LICENSE RENEWAL APPLICATION
JUNE 16, 2005**

The U.S. Nuclear Regulatory Commission staff (the staff) and representatives of Nuclear Management Company, LLC, (NMC) held a telephone conference call on June 16, 2005, to clarify the staff's draft requests for additional information (D-RAIs) concerning the Palisades Nuclear Plant license renewal application (LRA). The following D-RAIs were discussed during the telephone conference call.

D-RAI 4.5-1

In Section 5.8.5.3.1 of the final safety analysis report (FSAR), the applicant provides the final pre-stress (F_f) as 140.6, 138, and 143 ksi for the dome, hoop, and the vertical tendons, respectively. The applicant appears to have used these values as the minimum required values (MRVs). As these values are not at the anchorages, these values should not be used as MRVs without modifying them for appropriate friction losses. The applicant is requested to provide the MRVs in terms of force per tendon.

Discussion: The applicant indicated that the question is clear. This D-RAI will be sent as a formal RAI.

D-RAI 4.5-2

In describing the scope of the program related to NUREG-1801 AMP X.S1, in AMP B2.1.7, the applicant states: "The pre-stressing force in the common tendon is measured during each surveillance and is used to establish the trend of pre-stressing loss of the group." This practice is not consistent with AMP X.S1 and NRC's Information Notice (IN) 99-10, "Degradation of Pre-stressing Tendon Systems in Pre-stressed Concrete Containments." The information notice recommends the use of all available measured pre-stressing forces for developing trend lines for each group of tendons. As Palisades started using random sampling of tendons since 15th year surveillance of tendons (FSAR Section 5.8.8.3.3), the applicant has at least three sets of measured pre-stressing forces for performing regression analyses and developing trend lines. The applicant is requested to provide trend lines for each group of tendons for comparison with the predicted lower limits (PLLs) and the minimum required values (MRVs). The applicant is also requested to provide a tabulation of the measured pre-stressing forces (not individual wire forces) used in the corrected regression analyses.

Discussion: The applicant indicated that the question is clear. This D-RAI will be sent as a formal RAI.

D-RAI 4.5-3

In order for the staff to arrive at the reasonable assurance conclusion regarding the adequacy of the time-limited aging analysis (TLAA), at a point and time (i.e. during the LRA review), the applicant is requested to provide a tabulated comparison of the minimum required values (MRVs) for each group of tendons, and the projected pre-stressing forces at 40 and 60 years based on the regression analyses performed, utilizing the procedure recommended in NUREG-1801, AMP X.S1, and in IN 99-10.

Discussion: The applicant indicated that the question is clear. This D-RAI will be sent as a formal RAI.