

September 15, 2005

Mr. John T. Conway
Site Vice President
Nuclear Management Company, LLC
2807 West County Road 75
Monticello, MN 55362-9637

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
MONTICELLO NUCLEAR GENERATING PLANT LICENSE RENEWAL
APPLICATION (TAC NO. MC6440)

Dear Mr. Conway:

By letter dated March 16, 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 Monticello Nuclear Generating Plant (MNGP), for review by the U.S. Nuclear Regulatory Commission (NRC). The NRC staff is reviewing the information contained in the license renewal application (LRA) and has identified, in the enclosure, areas where additional information is needed to complete the review.

These questions were discussed with your staff, Mr. Patrick Burke, 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 301-415-3777 or e-mail DXM2@nrc.gov.

Sincerely,

/RA/

Daniel J. Merzke, Project Manager
License Renewal Section A
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket No.: 50-263

Enclosure: As stated

cc w/encl: See next page

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Monticello Nuclear Generating Plant

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Monticello Nuclear Generating Plant

-2-

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DISTRIBUTION: Letter to Mr. John T. Conway, Site VP, NMC, re: Request for additional information for the review of the Monticello Nuclear Generating Plant LRA, Dated: September 15, 2005.

Adams Accession No.: **ML052620622**

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

Reactor Systems Scoping and Screening

RAI 2.3.1-1

Page 3-30 of the license renewal application (LRA) states the jet pump sensing lines internal to the reactor vessel are not in scope of license renewal at Monticello. However, it is unclear as to whether the portion of the jet pump sensing line that is external to the reactor vessel, which can provide a pressure boundary and structural support, is included in scope. Please indicate if the external jet pump sensing line piping has been included in scope and identify the LRA Table and subcomponent group that includes the subject component. If the component is not in scope, please justify the exclusion, or if the component is in scope, please submit an aging management review and program for the component.

RAI 2.3.1-2

In LRA Table 2.3.1-3, "Reactor Pressure Vessel Internals" (RPVI), core spray lines and spargers have been identified as a component type within the scope of license renewal. However, for these components, pressure boundary was identified as the only intended function requiring aging management, not their function of providing adequate flow in a properly distributed spray pattern. The staff requests the applicant to clarify why the spray pattern function, in addition to pressure boundary, was not also identified as one of the intended functions which needs to be maintained during the extended period of operation.

RAI 2.3.1-3

In LRA Table 2.3.1-4, "Reactor Recirculation System" (RRS), and for a few other systems (for example Core Spray and Control Rod Drive systems), heat exchangers have been identified as a component type within the scope of license renewal. However for these heat exchangers, pressure boundary was identified as the only intended function requiring aging management, not their heat transfer function. The staff requests the applicant to clarify why the heat transfer function, in addition to pressure boundary, was not also identified as one of the intended functions which needs to be maintained during the extended period of operation.

Containment Systems Scoping and Screening

RAI 2.3.3.11-1

Monticello Nuclear Generating Plant (MNGP), "Heating and Ventilation System" (HVS) as described in LRA Section 2.3.3.11 and in Table 2.3.3-11, HVS identifies the component group requiring aging management review (AMR) and their intended functions. However, LRA Table 2.3.3-11 does not list all the components of the "heating ventilation and air conditioning (HVAC) units" as highlighted on drawings LR-36263 (V-AH-2) and LR36807 (V-AC-4, V-AC-5, V-AC-8A, and 8B). For example, while the LRA table lists "HVAC UNITS," it does not list the associated components such as ductwork (equipment frames and housing), filters (housing and supports), ventilation seals, cooling coils, instrumentation and controls, etc. Clarify whether these

Enclosure

components and all other associated components of the system, are within the scope of license renewal in accordance with Part 54.4(a) of Title 10 of the *Code of Federal Regulations* (10 CFR 54.4(a)), and subject to an AMR in accordance with 10 CFR 54.21(a)(1). If these components are excluded from the scope of license renewal and not subject to an AMR, provide justification for the exclusion.