

June 28, 2001

Mr. Joel Sorensen
Site Vice President
Prairie Island Nuclear Generating Plant
Nuclear Management Company, LLC
1717 Wakonade Drive East
Welch, MN 55089

SUBJECT: PRAIRIE ISLAND NUCLEAR GENERATING PLANT, UNIT 1 - REVIEW OF
PRELIMINARY ACCIDENT SEQUENCE PRECURSOR ANALYSIS OF
OPERATIONAL EVENT (TAC NO. MA6561)

Dear Mr. Sorensen:

A preliminary Accident Sequence Precursor (ASP) analysis of an operational event that occurred at Prairie Island Nuclear Generating Plant, Unit 1, on January 5, 1999 (Licensee Event Report No. 282/99-001), was prepared by an Nuclear Regulatory Commission contractor, the Oak Ridge National Laboratory. The results of the preliminary analysis indicated that this event may be a precursor for 1999. By a letter dated September 28, 1999, we sent you a copy of the preliminary ASP analysis for review and comment.

By a letter dated November 3, 1999, you provided your comments on the subject preliminary ASP analysis. One comment dealt with our analysis' treatment of the potential common-cause failure (CCF) of all 3 auxiliary feedwater (AFW) pumps in that the CCF failure probability (which dominated the calculated conditional core damage probability - CCDP) was overly conservative. We reviewed your comment and the accompanying basis, and concluded that the CCF failure probability for the AFW pumps assumed in our analysis was indeed overly conservative. Hence, we modified the CCF failure probability for the AFW pumps accordingly and reanalyzed the event. With the revised CCF failure probability, the resulting CCDP was less than 1.0E-06, which is the ASP Program's threshold for a precursor. Therefore, the event was rejected from further consideration.

Please feel free to contact me at 301-415-1392 if you have any questions.

Sincerely,

/RA/

Tae Kim, Senior Project Manager, Section 1
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-282

cc: See next page

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Site Vice President
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Sincerely,

/RA/

Tae Kim, Senior Project Manager, Section 1
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-282

cc: See next page

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Prairie Island Nuclear Generating Plant,
Units 1 and 2

cc:

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May 2001