

April 24, 2007

Mr. Edward J. Weinkam, Director
Nuclear Licensing and Regulatory Services
Nuclear Management Company, LLC
700 First Street
Hudson, WI 54016

SUBJECT: MONTICELLO NUCLEAR GENERATING PLANT, POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2, AND PRAIRIE ISLAND NUCLEAR GENERATING PLANT, UNITS 1 AND 2 - RESPONSE TO GENERIC LETTER (GL) 2006-02, "GRID RELIABILITY AND THE IMPACT ON PLANT RISK AND THE OPERABILITY OF OFFSITE POWER" (TAC NOS. MD1001, MD1018, MD1019, MD1020, AND MD1021)

Dear Mr. Weinkam:

On February 1, 2006, the U.S. Nuclear Regulatory Commission (NRC) issued GL 2006-02 (Accession No. ML060180352) to all holders of operating licenses for nuclear power reactors except those which have permanently ceased operation and have certified that fuel has been removed from the reactor vessel. GL 2006-02 notified licensees of the NRC staff's need for information in four areas as follows:

- (1) Use of protocols between the nuclear power plant (NPP) and the transmission system operator (TSO), independent system operator (ISO), or reliability coordinator/authority (RC/RA) and the use of transmission load flow analysis tools (analysis tools) by TSOs to assist NPPs in monitoring grid conditions to determine the operability of offsite power systems under plant technical specifications. [The TSO, ISO, or RA/RC is responsible for preserving the reliability of the local transmission system; in GL 2006-02, the term TSO is used to denote these entities];
- (2) Use of NPP/TSO protocols and analysis tools by TSOs to assist NPPs in monitoring grid conditions for consideration in maintenance risk assessments;
- (3) Offsite power restoration procedures in accordance with Section 2 of NRC Regulatory Guide (RG) 1.155, "Station Blackout;" and
- (4) Loss of offsite power caused by grid failures at a frequency equal to or greater than once in 20 site-years in accordance with RG 1.155.

Subsequent to issuance of GL 2006-02, the NRC issued a Request For Additional Information (RAI) (Accession No. ML063380308) regarding the resolution of GL 2006-02 to 63 of 65 holders of operating licenses for nuclear power reactors. The RAI requested licensees respond to questions in the following areas:

- (a) Switchyard minimum voltage;
- (b) Loss of real-time contingency analysis (RTCA) capability;

E. Weinkam

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- (c) Verification of RTCA predicted post-trip voltage;
- (d) Identification of applicable single contingencies;
- (e) Seasonal variation in grid stress (reliability and loss-of-offsite power probability);
- (f) Interface with transmission system operator during extended plant maintenance.

By letters dated April 3, 2006 (Accession No. ML060940042), July 21, 2006 (Accession No. ML062050349) and January 31, 2007 (two letters, Accession Nos. ML070310573 and ML070310576) you responded to GL 2006-02 and the subsequent RAI. Based on the information you provided, the NRC staff concluded that the subject nuclear plants have maintained compliance with NRC regulatory requirements governing electric power sources and associated personnel training. Accordingly, the NRC staff considers your response to GL 2006-02 complete for the subject nuclear plants.

If you have any questions, please contact me 301-415-1451.

Sincerely,

/RA/

Peter S. Tam, Senior Project Manager
Plant Licensing Branch III-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-263, 50-266, 50-301, 50-282, and 50-306

cc: See next page

E. Weinkam

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- (c) Verification of RTCA predicted post-trip voltage;
- (d) Identification of applicable single contingencies;
- (e) Seasonal variation in grid stress (reliability and loss-of-offsite power probability);
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 Plant Licensing Branch III-1
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Monticello Nuclear Generating Plant

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November 2005

Point Beach Nuclear Plant, Units 1 and 2

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November 2005

Prairie Island Nuclear Generating Plant,
Units 1 and 2

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July 2006