

April 28, 2004

Mr. Joseph M. Solymossy
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 2 - FLAW
EVALUATION OF STEAM GENERATOR (#22) AND THE PRESSURIZER
DURING THE THIRD 10-YEAR INTERVAL INSERVICE INSPECTION
INTERVAL (TAC NO. MB8471)

Dear Mr. Solymossy:

By letter to the U.S. Nuclear Regulatory Commission (NRC) dated April 4, 2003, the Nuclear Management Company, LLC (NMC) (the licensee), submitted their analytical flaw evaluation of 16 indications identified in the tubesheet to channel head weld region of the #22 steam generator, and one indication identified in the pressurizer bottom head to shell weld region. These indications were identified at Prairie Island Nuclear Generating Plant, Unit 2, in February-March 2002, during refueling outage 21 (RFO-21). The indications were found during follow-up examinations, required by the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (Code), Section XI, paragraph IWB-2420, due to flaws previously identified during the third 10-Year interval inservice inspections. NMC evaluated the indications per ASME Code, Section XI, paragraph IWB-3610, and used WCAP-14166, "Handbook on Flaw Evaluation for Prairie Island Units 1 and 2 Steam Generator and Pressurizer."

The NRC staff's review indicated that the flaw evaluation submitted by NMC on April 4, 2003, meets the acceptance criteria of the ASME Code, Section XI, paragraph IWB-3600, based on flaw size. NMC should comply with the successive inspection requirements in the ASME Code, Section XI, paragraph IWB-2420, for the new flaws that were analytically evaluated in their submittal.

This completes the NRC staff's efforts under TAC No. MB8471.

If you have questions or comments, you can contact me at 301-415-4106.

Sincerely,

/RA/

Anthony C. McMurtray , Sr. Project Manager, Section 1,
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-306

cc: See next page

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Prairie Island Nuclear Generating Plant, Units 1 and 2

cc:

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November 2003