JAN 2 4 2005

L-PI-05-003
10 CFR 2.202

U S Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Prairie Island Nuclear Generating Plant Unit 1
Docket 50-282
License No. DPR-42

60-Day Report Pursuant to EA-03-009 Paragraph E for 2004 Prairie Island Unit 1 Reactor Pressure Vessel Head Inspection

By letter dated February 20, 2004, the Nuclear Regulatory Commission issued First Revised Order EA-03-009. By letter dated March 8, 2004, Nuclear Management Company, LLC, (NMC) consented to the Order as written. Paragraph E of the Order requires a report detailing inspection results within 60 days after returning the plant to operation for each inspection required in Paragraph C of the Order and (if a leak or boron deposit was found during the inspection) for each inspection required in Paragraph D of the Order. In response to these requirements, NMC notes the following with respect to the reactor pressure vessel head inspection conducted during the past Prairie Island Unit 1 refueling outage:

Prairie Island Unit 1 was shutdown for refueling in September 2004 and the reactor pressure vessel (RPV) head was visually inspected as required by Paragraph C of the Order. The inspection of the bare metal head of the reactor vessel was completed on September 16, 2004. Inspection of 100% of the bare metal of the reactor head as well as 360 degrees around each penetration was achieved with the aid of mirrors. Acceptance criteria was: lack of any relevant indications of the type described in related Electric Power Research Institute (EPRI) guidance, namely evidence of any leakage arising from the penetration to head interface, and the lack of any boric acid accumulations on the carbon steel head surfaces that may result in corrosion. No evidence of such leakage was observed and no evidence of any boric acid accumulation was seen. Based on the lack of any relevant indications, the reactor head was determined to be acceptable for continued service.

In addition, visual inspections were performed (as required by Paragraph D of the Order) to identify potential boric acid leaks from pressure-retaining components above the RPV head. Two valves located above the reactor head were found with minor

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packing leakage; the leakage was contained in the packing area of both valves and had not dripped down onto the head insulation below. The two valves are part of the Reactor Head Vent system. The valves were repaired and cleaned as necessary and were re-inspected as part of the reactor coolant system integrity test with no evidence of leakage.

Summary of Commitments

This letter contains no new commitments and no revisions to existing commitments.

I declare under penalty of perjury that the foregoing is true and correct. Executed on JAN 2 4 2005

Joseph M. Solymossy
Site Vice President, Prairie Island Nuclear Generating Plant
Nuclear Management Company, LLC

cc: Administrator, Region III, USNRC
Project Manager, Prairie Island, USNRC
Resident Inspector, Prairie Island, USNRC