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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 2006 Prairie Island Unit 1 Reactor Pressure Vessel (RPV) Head Inspection

By letter dated February 20, 2004, the Nuclear Regulatory Commission (NRC) 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 D of the Order requires visual inspection each refueling outage to identify potential boric acid leaks from pressure-retaining components above the RPV head. 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 D of the Order if a leak or boron deposit was found during the inspection. In response to this requirement, NMC notes the following with respect to the reactor pressure vessel head inspection conducted during the past Prairie Island Unit 1 refueling outage:

Inspection of components above the Unit 1 RPV head was performed on May 2, 2006 in accordance with a Prairie Island surveillance procedure (SP). The inspection was performed by a qualified VT-2 examiner. Three boric acid indications were identified in conjunction with the SP. The first was a trace amount of white boric acid on a swagelock fitting for the reactor vessel level indication system line located at the cavity wall. This indication is not above the RPV head. No corrective action was taken.

There were two boric acid indications discovered above the head. The first of these indications was found on valve RC-8-5, which is the first head vent valve off the head. This valve has a trace amount of white boric acid crystals around the packing gland. The valve is a ¾" stainless steel globe valve. There was no indication of active leakage and no indication of boric acid dripping onto the head insulation. RC-8-5 had the gland follower replaced and was repacked on May 12, 2006 under work order 00270368. The second indication above the head was found on valve RC-8-33 which is the second head vent valve off the head. This valve also exhibited a trace amount of white boric acid crystals around the packing gland. This valve is a ¾" stainless steel globe valve. There was no indication of active leakage and no indication of boric acid dripping onto

the head insulation. RC-8-33 was reinspected on June 1, 2006 as part of the SP 1070 pressure test and continued to show a trace amount of dry, white, boric acid crystals at the packing gland with no active leakage as reported on form 1507 number 2006-162.

Note that the RPV head was replaced this outage (May 2006) and that a bare metal visual exam of the new head was not performed as allowed by the Order, which requires inspection of RPV heads in the "Low category" once every three outages or five years.

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

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Thomas J. Palmisano
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Nuclear Management Company, LLC

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