

FEB 13 2007

L-PI-07-012
10 CFR 2.202

U S Nuclear Regulatory Commission
ATTN: Document Control Desk
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Prairie Island Nuclear Generating Plant Unit 2
Docket 50-306
License No. DPR-60

60-Day Report Pursuant to EA-03-009 Paragraph E for 2006 Prairie Island Unit 2
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 2 refueling outage:

Inspection of components above the Unit 2 RPV head was performed on November 20, 2006, by qualified VT-2 examiners. Three minor boric acid indications were identified. The first was a trace amount of white boric acid on the stem and packing gland of 2RC-8-5, which is a 3/4" stainless steel globe valve in the head vent system (head vent valve). The valve was cleaned and packing was tightened.

A second indication was a trace amount of gold colored boric acid on the yoke of 2RC-8-33, which is also a 3/4" stainless steel globe valve in the head vent system (orifice bypass valve). The packing was tightened.

The third indication was white boric acid flakes which had fallen down the head thermocouple tubing sleeves onto the top of the Core Exit Thermocouple Nozzle Assemblies (CETNA) at ports 34 and 37. Approximately 1/4 teaspoon was reported at port 34 and 1 teaspoon was reported at port 37. The annulus between the CETNA column and housing were cleaned in conjunction with CETNA reassembly. The thermocouple tubing connectors could not be directly inspected as they are covered by the tubing sleeves. Lack of volume indicates no active leakage. All thermocouple and

CETNA components potentially in contact with boric acid crystals are stainless steel mitigating any risk of hidden degradation.

All three indications are dry with little volume. None showed indications of active leakage and there was no indication of boric acid dripping onto the head insulation. All affected components are stainless steel and showed no signs of degradation.

All three locations were subsequently re-inspected on December 9, 2006 at normal operating pressure and temperature with no indications of leakage reported.

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

FEB 13 2007


Thomas J. Palmisano

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

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