August 30, 2006

Mr. Dennis L. Koehl
Site Vice President
Point Beach Nuclear Plant
Nuclear Management Company, LLC
6610 Nuclear Road
Two Rivers, WI 54241-9516

SUBJECT: POINT BEACH NUCLEAR PLANT, UNIT 1 - REVIEW OF THE FALL 2005 STEAM GENERATOR TUBE INSPECTION REPORT (TAC NO. MD2042)

Dear Mr. Koehl:

By letter to the U.S. Nuclear Regulatory Commission (NRC) dated February 21, 2006, as supplemented July 14, 2006, Nuclear Management Company, LLC, submitted its inspection report for the fall 2005 refueling outage (U1R29) for the steam generator tube inspections at Point Beach Nuclear Plant, Unit 1. Your report was submitted in accordance with Technical Specification (TS) 5.6.8, "Steam Generator Tube Inspection Report."

Based on its review, the NRC staff concludes that you have provided the information required by TS 5.6.8. In addition, the NRC staff concludes that there are no technical issues that warrant follow-up action at this time, since the inspections appear to be consistent with the objective of detecting potential tube degradation and the inspection results appear to be consistent with industry operating experience at similarly designed and operated units. A summary of the NRC staff's review is enclosed. If you have any questions regarding this matter, please contact me at (301) 415-2296.

Sincerely,

/RA/

Carl F. Lyon, Project Manager
Plant Licensing Branch III-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-266

Enclosure:
Steam Generator Tube Inspection Report

cc w/encl: See next page

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SUMMARY OF THE REVIEW OF THE FALL 2005 REFUELING OUTAGE 29

STEAM GENERATOR TUBE INSERVICE INSPECTION REPORT

NUCLEAR MANAGEMENT COMPANY, LLC

POINT BEACH NUCLEAR PLANT, UNIT 1

DOCKET NO. 50-266

By letter to the Nuclear Regulatory Commission (NRC) dated February 21, 2006 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML060600189), Nuclear Management Company, LLC (the licensee), submitted the annual steam generator (SG) tube inspection report for Point Beach Nuclear Plant (PBNP), Unit 1, for Refueling Outage (RFO) 29, in accordance with Technical Specification (TS) 5.6.8, "Steam Generator Tube Inspection Report." Additional information was provided by the licensee in a letter dated July 14, 2006 (ADAMS Accession No. ML061980407).

PBNP, Unit 1 has two Westinghouse model 44F SGs. Each SG has 3,214 thermally-treated Alloy 600 tubes with an outside diameter of 0.875 inch and a nominal wall thickness of 0.050 inch. The tubes are hydraulically expanded for the full depth of the tubesheet at each end. The tubes are supported by stainless steel support plates with quatrefoil-shaped holes and V-shaped anti-vibration bars. The SG tubes are arranged in a square pattern with a tube spacing of approximately 1.2 inches.

The licensee provided the scope, extent, methods, and results of the PBNP, Unit 1 SG tube inspections in the documents referenced above. In addition, the licensee described corrective actions (i.e., tube plugging) taken in response to the inspection findings.

The NRC staff has the following notes/observations as a result of reviewing the aforementioned submittals.

- Scale samples from SG A taken during RFO 29, indicated a copper content of approximately 16 percent (weight-percent). Copper in SGs can affect the eddy current data quality. The licensee plans to perform chemical cleaning in 2008.

- The licensee reported that the size of dents/dings has increased by less than 5 percent since the 2001 inspections. In addition, the licensee concluded that the dents/dings are not service induced since the number of dents/dings has not significantly increased and most of the dents/dings can be traced to prior inspections.

Based on its review, the NRC staff concludes that the licensee provided the information required by TS 5.6.8. In addition, the NRC staff concludes that there are no technical issues that warrant follow-up action at this time, since the inspections appear to be consistent with the objective of detecting potential tube degradation and the inspection results appear to be consistent with industry operating experience at similarly designed and operated units.

ENCLOSURE

Point Beach Nuclear Plant, Units 1 and 2

cc:

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