

October 6, 2005

Mr. Thomas J. Palmisano  
Site Vice President  
Prairie Island Nuclear Generating Plant  
Nuclear Management Company, LLC  
1717 Wakonade Drive East  
Welch, MN 55089

SUBJECT: PRAIRIE ISLAND UNIT 1 - SUMMARY OF NRC'S REVIEW OF STEAM GENERATOR  
TUBE PRE-SERVICE BASELINE INSPECTION RESULTS FOR THE REPLACEMENT  
STEAM GENERATORS (TAC NO. MC6261)

Dear Mr. Palmisano:

By letters dated February 22, 2005 (ML050910245) and August 22, 2005 (ML052340676), you submitted information pertaining to the steam generator tube pre-service baseline inspection results for the Prairie Island Nuclear Generating Plant Unit 1 replacement steam generators. Prairie Island Unit 1 has two Framatome ANP Model 56/19 recirculating steam generators. There are 4,868 Inconel 690 thermally-treated tubes in each steam generator. The tubes have an outside diameter of 0.750-inch, a wall thickness of 0.043-inch, and are supported by stainless steel tube support plates with quatrefoil shaped holes. The tubes were hydraulically expanded throughout the entire tubesheet depth. All tubes in rows 1 through 9 were stress relieved after bending. You provided the scope, extent, methods and results of the steam generator tube inspections in your letters dated February 22, and August 22, 2005. In addition, you stated that there were no tubes plugged prior to and during the installation of the replacement steam generators.

Based on a review of the information provided, the Nuclear Regulatory Commission 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. If you have any further questions, please contact me at 301-415-8371.

Sincerely,

**/RA/**

Mahesh L. Chawla, Project Manager, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-282

cc w/encl: See next page

October 6, 2005

Mr. Thomas J. Palmisano  
Site Vice President  
Prairie Island Nuclear Generating Plant  
Nuclear Management Company, LLC  
1717 Wakonade Drive East  
Welch, MN 55089

SUBJECT: PRAIRIE ISLAND UNIT 1 - SUMMARY OF NRC'S REVIEW OF STEAM GENERATOR  
TUBE PRE-SERVICE BASELINE INSPECTION RESULTS FOR THE REPLACEMENT  
STEAM GENERATORS (TAC NO. MC6261)

Dear Mr. Palmisano:

By letters dated February 22, 2005 (ML050910245) and August 22, 2005 (ML052340676), you submitted information pertaining to the steam generator tube pre-service baseline inspection results for the Prairie Island Nuclear Generating Plant Unit 1 replacement steam generators. Prairie Island Unit 1 has two Framatome ANP Model 56/19 recirculating steam generators. There are 4,868 Inconel 690 thermally-treated tubes in each steam generator. The tubes have an outside diameter of 0.750-inch, a wall thickness of 0.043-inch, and are supported by stainless steel tube support plates with quatrefoil shaped holes. The tubes were hydraulically expanded throughout the entire tubesheet depth. All tubes in rows 1 through 9 were stress relieved after bending. You provided the scope, extent, methods and results of the steam generator tube inspections in your letters dated February 22, and August 22, 2005. In addition, you stated that there were no tubes plugged prior to and during the installation of the replacement steam generators.

Based on a review of the information provided, the Nuclear Regulatory Commission 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. If you have any further questions, please contact me at 301-415-8371.

Sincerely,

**/RA/**

Mahesh L. Chawla, Project Manager, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-282  
cc w/encl: See next page

**DISTRIBUTION:**

PUBLIC OGC PDIII-1 R/F ACRS LRaghavan MChawla GHill(2)  
THarris RSkowkowski, RGN-III

ADAMS Accession Number: ML052710295

OFFICE	PDIII-1/PM	PDIII-1/LA	EMCB:SC	PDIII-1/SC
NAME	MChawla	THarris	LLund	LRaghavan
DATE	10/6/05	10/6/05	10/5/05	10/6/05

OFFICIAL RECORD COPY

Prairie Island Nuclear Generating Plant,  
Units 1 and 2

cc:

Jonathan Rogoff, Esquire  
Vice President, Counsel & Secretary  
Nuclear Management Company, LLC  
700 First Street  
Hudson, WI 54016

Manager, Regulatory Affairs  
Prairie Island Nuclear Generating Plant  
Nuclear Management Company, LLC  
1717 Wakonade Drive East  
Welch, MN 55089

Manager - Environmental Protection Division  
Minnesota Attorney General's Office  
445 Minnesota St., Suite 900  
St. Paul, MN 55101-2127

U.S. Nuclear Regulatory Commission  
Resident Inspector's Office  
1719 Wakonade Drive East  
Welch, MN 55089-9642

Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
801 Warrenville Road  
Lisle, IL 60532-4351

Administrator  
Goodhue County Courthouse  
Box 408  
Red Wing, MN 55066-0408

Commissioner  
Minnesota Department of Commerce  
85 7th Place East, Suite 500  
St. Paul, MN 55101-2198

Tribal Council  
Prairie Island Indian Community  
ATTN: Environmental Department  
5636 Sturgeon Lake Road  
Welch, MN 55089

Nuclear Asset Manager  
Xcel Energy, Inc.  
414 Nicollet Mall, R.S. 8  
Minneapolis, MN 55401

John Paul Cowan  
Executive Vice President & Chief Nuclear  
Officer  
Nuclear Management Company, LLC  
700 First Street  
Hudson, WI 54016

Craig G. Anderson  
Senior Vice President, Group Operations  
Nuclear Management Company, LLC  
700 First Street  
Hudson, WI 54016