

August 2, 2006

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

SUBJECT: PRAIRIE ISLAND NUCLEAR GENERATING PLANT, UNITS 1 AND 2
NRC EMERGENCY PREPAREDNESS INSPECTION REPORT
05000282/2006010(DRS); 05000306/2006010(DRS)

Dear Mr. Palmisano:

On July 21, 2006, the NRC completed an inspection at your Prairie Island Nuclear Generating Plant, Units 1 and 2. The enclosed report documents the inspection findings, which were discussed on July 21, 2006, with Mr. P. Huffman and other members of your staff.

The inspection examined activities conducted under your license, as they relate to safety, and compliance with the Commission's rules and regulations, and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel. Specifically, this inspection focused on emergency preparedness, including your staff's determinations of performance indicators for the Emergency Preparedness Cornerstone.

On the basis of the results of this inspection, no findings of significance were identified.

In accordance with 10 CFR Part 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public

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Sincerely,

/RA/

Kenneth Riemer, Chief
Plant Support Branch
Division of Reactor Safety

Docket Nos. 50-282; 50-306
License Nos. DPR-42; DPR-60

Enclosure: Inspection Report 05000282/2006010(DRS);
05000306/2006010(DRS)
w/Attachment: Supplemental Information

cc w/encl: C. Anderson, Senior Vice President, Group Operations
M. Sellman, Chief Executive Officer and Chief Nuclear Officer
Regulatory Affairs Manager
J. Rogoff, Vice President, Counsel & Secretary
Nuclear Asset Manager
State Liaison Officer, Minnesota Department of Health
Tribal Council, Prairie Island Indian Community
Administrator, Goodhue County Courthouse
Commissioner, Minnesota Department
of Commerce
Manager, Environmental Protection Division
Office of the Attorney General of Minnesota
W. King, DHS, Region V

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W. King, DHS, Region V

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos: 05000282; 05000306
License Nos: DPR-42; DPR-60

Report No: 05000282/2006010(DRS); 05000306/2006010(DRS)

Licensee: Nuclear Management Company, LLC

Facility: Prairie Island Nuclear Generating Plant, Units 1 and 2

Location: 1717 Wakonade Drive East
Welch, MN 55089

Dates: July 17 through July 21, 2006

Inspectors: T. Ploski, Senior Emergency Preparedness Inspector
R. Jickling, Emergency Preparedness Inspector
D. Karjala, Acting Senior Resident Inspector
A. Garmoe, Acting Resident Inspector

Observer: J. Draper, Intern

Approved by: K. Riemer, Chief
Plant Support Branch
Division of Reactor Safety

Enclosure

SUMMARY OF FINDINGS

IR 05000282/2006010(DRS); 05000306/2006010(DRS); 07/17/2006 - 07/21/2006; Prairie Island Nuclear Generating Plant; Emergency Preparedness Specialist Report.

The report covers a one week baseline inspection by two regional emergency preparedness inspectors and two resident inspectors. The inspection focused on the Emergency Preparedness cornerstone in the Reactor Safety strategic performance area, during the biennial emergency preparedness exercise. This inspection also included a review of records related to the three emergency preparedness performance indicators for the period April 1, 2005, through March 31, 2006.

The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 3, dated July 2000.

A. Inspector-Identified and Self-Revealed Findings

None.

B. Licensee-Identified Violations

None.

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation (71114.01)

a. Inspection Scope

The inspectors reviewed the July 18, 2006, biennial emergency preparedness exercises' objectives and scenario to ensure that the exercise would acceptably test major elements of the licensee's emergency plan, and to verify that the exercises' simulated problems provided an acceptable framework to support demonstration of the licensee's capability to implement its plan. The inspectors also reviewed records of five emergency preparedness drills, which were conducted between February 2005 and June 2006, to verify that those drills' scenarios were sufficiently different from the scenario used in the July 2006 exercise.

The inspectors evaluated the licensee's exercise performance, focusing on the risk-significant activities of emergency classification, notification, and protective action decision making, as well as implementation of accident mitigation strategies in the following emergency response facilities:

- Control Room Simulator;
- Technical Support Center (TSC);
- Operations Support Center (OSC); and
- Emergency Operations Facility (EOF).

The inspectors also assessed the licensee's recognition of abnormal plant conditions, transfer of responsibilities between facilities, internal communications, interfaces with offsite officials, readiness of emergency facilities and related equipment, and overall implementation of the licensee's emergency plan.

The inspectors attended post-exercise critiques in the TSC, OSC, and EOF to evaluate the licensee's initial self-assessment of its exercise performance. The inspectors later met with the licensee's lead exercise evaluators to obtain the licensee's refined assessments of its exercise participants' performances. These self-assessments were then compared with the inspectors' independent observations and assessments to assess the licensee's ability to adequately critique its exercise performance.

These activities completed one inspection sample.

b. Findings

No findings of significance were identified.

4. OTHER ACTIVITIES

4OA1 Performance Indicator (PI) Verification (71151)

Cornerstone: Emergency Preparedness

.1 Reactor Safety Strategic Area

a. Inspection Scope

The inspectors reviewed the licensee's records associated with each of the three emergency preparedness PIs to verify that the licensee's program was implemented consistent with the industry guidelines in Nuclear Energy Institute Publication No. 99-02, "Regulatory Assessment Performance Indicator Guideline," Revision 3, and related licensee procedures. Specifically, licensee records related to the performance of the Alert and Notification System (ANS), key Emergency Response Organization (ERO) members' drill participation, and Drill and Exercise Performance (DEP) were reviewed to verify the accuracy and completeness of the PI data submitted to NRC for the period from April 1, 2005, through March 31, 2006. The following three PIs were reviewed:

Common

- ANS;
- ERO Drill Participation; and
- DEP.

These activities completed three PI samples.

b. Findings

No findings of significance were identified.

4OA6 Meetings

.1 Exit Meeting

An exit meeting was conducted for:

- Emergency Preparedness with Mr. P. Huffman and other members of licensee management and staff at the conclusion of the inspection on July 21, 2006. The licensee acknowledged the information presented. No proprietary information was identified.

.2 Public and Media Briefing

- On July 21, 2006, an inspector summarized NRC's preliminary exercise inspection conclusions at a public and media briefing hosted by Department of Homeland Security Region V Field Office staff in Red Wing, Minnesota.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee

J. Callahan, Emergency Preparedness Manager
L. Clewett, Business Support Manager
M. Davis, Regulatory Compliance Analyst
F. Forrest, Operations Manager
P. Huffman, Plant Manager
S. McCall, Engineering Manager
C. Morgan, Corporate Senior Engineering Analyst
J. Payton, Emergency Preparedness Coordinator
K. Petersen, Performance Assessment Supervisor
M. Vonk, Corporate Senior Emergency Preparedness Specialist

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Opened, Closed, and Discussed

None.

LIST OF DOCUMENTS REVIEWED

The following is a list of documents reviewed during the inspection. Inclusion on this list does not imply that the NRC inspectors reviewed the documents in their entirety but rather that selected sections of portions of the documents were evaluated as part of the overall inspection effort. Inclusion of a document on this list does not imply NRC acceptance of the document or any part of it, unless this is stated in the body of the inspection report.

1EP1 Exercise Evaluation

Prairie Island Plant July 2006 Exercise Scenario Manual

Prairie Island Plant June 28, 2006, Pre-Exercise Drill Summary

Prairie Island Plant June 6, 2006, Emergency Plan Drill Scenario Summary

Prairie Island Plant December 6, 2005, Emergency Plan Drill Scenario Summary

Prairie Island Plant August 3, 2005, Off-Year Emergency Plan Drill Scenario Summary

Prairie Island Plant February 9, 2005, Emergency Plan Drill Scenario Summary

F3-1; Onsite Emergency Organization; Revision 21

F3-2; Classification of Emergencies; Revision 39

F3-3; Responsibilities During a Notification of Unusual Event; Revision 19

F3-4; Responsibilities During Alert, Site Area Emergency, or General Emergency;
Revision 34

F3-5; Emergency Notifications; Revision 23

F3-6; Activation and Operation of the TSC; Revision 19

F3-7; Activation and Operation of the OSC; Revision 18

F3-8; Recommendations for Offsite Protective Actions; Revision 24

F3-10; Personnel Accountability; Revision 21

F3-12; Emergency Exposure Control; Revision 18

F3-13; Offsite Dose Calculation; Revision 15

F3-15; Responsibilities of Radiation Survey Teams During an Airborne Radioactive
Release; Revision 26

F3-24; Records Keeping During an Emergency; Revision 8

F8-1; EOF Organization; Revision 7

F8-2; Responsibilities During an Alert, Site Area Emergency, or General Emergency in the EOF; Revision 8

F8-3; Activation and Operation of the EOF; Revision 6

F8-5; Offsite Dose Assessment and Protective Action Recommendations; Revision 9

F8-6; Radiological Monitoring and Control at the EOF; Revision 8

F8-10; Records Keeping in the EOF; Revision 2

4OA1 Performance Indicator Verification

Prairie Island Plant ERO Participation Performance Indicator Records for April 2005 through March 2006

Prairie Island Plant DEP Performance Indicator Data for April 2005 through March 2006

Public Alert and Notification System Fixed Siren Monthly Trend Reports for April 2005 through March 2006

Letter from Department of Homeland Security Region V Field Office; Approval of Changes to Public Alert and Notification System; dated February 25, 2005

Letter from Department of Homeland Security Region V Field Office; Approval of Changes to Public Alert and Notification System; dated August 22, 2005

LIST OF ACRONYMS USED

ADAMS	Agencywide Documents Access and Management System
ANS	Alert and Notification System
CFR	Code of Federal Regulations
DEP	Drill and Exercise Performance
EOF	Emergency Operations Facility
ERO	Emergency Response Organization
IR	Inspection Report
NRC	United States Nuclear Regulatory Commission
NUREG	Nuclear Regulatory Guide
OSC	Operations Support Center
PARS	Publicly Available Records
PI	Performance Indicator
TSC	Technical Support Center