

June 12, 2002

Mr. Mano Nazar
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 INSPECTION REPORT 50-282/02-06(DRS); 50-306/02-06(DRS)

Dear Mr. Nazar:

On May 17, 2002, 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 May 17, 2002, with you and 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 2.790 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 Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Kenneth R. Riemer, Chief
Plant Support Branch
Division of Reactor Safety

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

Enclosure: Inspection Report 50-282/02-06(DRS);
50-306/02-06(DRS)

See Attached Distribution

M. Nazar

-2-

cc w/encl: Plant Manager, Prairie Island
R. Anderson, Executive Vice President
and Chief Nuclear Officer
Site Licensing Manager
Nuclear Asset Manager
Commissioner, Minnesota
Department of Health
State Liaison Officer, State of Wisconsin
Tribal Council, Prairie Island Indian Community
J. Silberg, Esquire
Shawn, Pittman, Potts, and Trowbridge
A. Neblett, Assistant Attorney General
Office of the Attorney General
Administrator, Goodhue County Courthouse
Commissioner, Minnesota Department
of Commerce
W. Curtis, FEMA, Region V

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Department of Health
State Liaison Officer, State of Wisconsin
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W. Curtis, FEMA, Region V

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

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

Report No: 50-282/02-06(DRS); 50-306/02-06(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: May 13 through May 17, 2002

Inspectors: T. Ploski, Senior Emergency Preparedness Inspector
R. Jickling, Emergency Preparedness Inspector
D. Karjala, Resident Inspector
M. Mitchell, Radiation Protection Inspector

Observer: R. Schmitt, Radiation Protection Inspector

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

SUMMARY OF FINDINGS

IR 05000282-02-06(DRS), 05000306-02-06(DRS), on 05/13-05/17/2002, Nuclear Management Company, LLC, Prairie Island Nuclear Generating Plant, Units 1 and 2. Emergency Preparedness Specialist Report.

The report covers a one week baseline inspection by two regional emergency preparedness inspectors, a radiation protection inspector, and a resident inspector. The inspection focused on the Reactor Safety, Emergency Preparedness Cornerstone, during the biennial emergency preparedness exercise, and included a review of records related to the three emergency preparedness performance indicators for the period ending March 31, 2002. No findings of significance were identified. 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.

Report Details

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation (71114.01)

a. Inspection Scope

The inspectors reviewed the May 2002 exercise's objectives and scenario to ensure that the exercise would acceptably test major elements of the licensee's emergency plan and to verify that the exercise's simulated problems provided an acceptable framework to support demonstration of the licensee's capability to implement its plan. The inspectors also reviewed records of a practice drill, which was conducted in April 2002, to determine whether the associated accident scenario was sufficiently different from the scenario used in the May 15, 2002 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)
- 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.

b. Findings

No findings of significance were identified.

4. **OTHER ACTIVITIES**

4OA1 Performance Indicator (PI) Verification (71151)

a. Inspection Scope

The inspectors reviewed the licensee's records related to 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 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 data submitted to NRC for the period from July 2001 through March 2002.

b. Findings

No findings of significance were identified.

4OA2 Identification and Resolution of Problems

The inspectors and the licensee independently identified the following exercise performance concerns, which were also unsuccessful opportunities for the DEP indicator:

- The Site Area Emergency was correct; however, offsite officials were not notified within the 15 minute expectation.
- Offsite officials were incorrectly informed that a simulated radioactive release had begun when they were initially notified of the General Emergency declaration.

4OA6 Meetings

Exit Meeting

The inspectors presented the inspection results to Mr. M. Nazar and other members of licensee management and staff at the conclusion of the inspection on May 17, 2002. The licensee acknowledged the information presented. No proprietary information was identified.

Other Meeting

On May 17, 2002, an inspector made a presentation on NRC's preliminary assessments of the exercise inspection at a public and media briefing hosted by the staff of the Federal Emergency Management Agency in Red Wing, Minnesota.

KEY POINTS OF CONTACT

Licensee

M. Agen, Emergency Planning Manager
T. Allen, Operations Support Superintendent
T. Amundson, Business Support Manager
J. Early, Emergency Planner
G. Eckholt, Licensing Supervisor
L. Finholm, Emergency Planner
D. Herling, Operations Superintendent
J. Jensen, Training Manager
A. Johnson, General Superintendent
J. Kivi, Senior Licensing Engineer
J. Loesch, Safety Manager
M. Nazar, Site Vice President
J. Payton, Emergency Planner
M. Pfeffer, Emergency Planning Instructor
M. Werner, Plant Manager

LIST OF ACRONYMS USED

ANS	Alert and Notification System
CFR	Code of Federal Regulations
CR	Condition Report
DEP	Drill and Exercise Performance
DRS	Division of Reactor Safety
EOF	Emergency Operations Facility
ERO	Emergency Response Organization
IR	Inspection Report
NRC	Nuclear Regulatory Commission
OSC	Operations Support Center
PI	Performance Indicator
PINGP	Prairie Island Nuclear Generating Plant
TSC	Technical Support Center

LIST OF DOCUMENTS REVIEWED

1EP1 Exercise Evaluation

	2001 TSC Mini-Drills Critique Report	January 2, 2002
	April 2002 Practice Drill Critique Report	May 12, 2002
	May 15, 2002 Exercise Scenario Manual	Revision 4
F3-1	Onsite Emergency Organization	Revision 19
F3-2	Classification of Emergencies	Revision 29
F3-4	Responsibilities During an Alert, Site Area Emergency, or General Emergency	Revision 28
F3-5	Emergency Notifications	Revision 20
F3-6	Activation and Operation of the TSC	Revision 16
F3-7	Activation and Operation of the OSC	Revision 15
F3-8	Recommendations for Offsite Protective Actions	Revision 19
F3-10	Personnel Accountability	Revision 18
F3-12	Emergency Exposure Control	Revision 14
F3-13	Offsite Dose Calculations	Revision 14
F3-15	Responsibilities of radiation Survey Teams During an Airborne Radioactive Release	Revision 22
F3-24	Records Keeping During an Emergency	Revision 7
F8-1	EOF Organization	Revision 6
F8-2	Responsibilities During an Alert, Site Area Emergency, or General Emergency in the EOF	Revision 7
F8-3	Activation and Operation of the EOF	Revision 5
F8-5	Offsite Dose Assessment and Protective Action Recommendations	Revision 7
F8-6	Radiological Monitoring and Control at the EOF	Revision 6
F8-9	Event Termination or Recovery	Revision 7
F8-10	Records Keeping in the EOF	Revision 2
	Draft Exercise Critique Report	May 17, 2002
5AWI 16.0	Action Request Process	Revision 0

4OA1 Performance Indicator Verification

	2002 Key ERO Seminar and Tabletop Critique	March 6, 2002
	Monthly Key ERO Drill and Exercise Participation Summaries, July 2001 through March 2002	
	2001 DEP Quarterly Summary Reports, July 2001 through December 2001	
	2002 DEP Quarterly Summary Report, January 2002 through March 2002	
PINGP 577	Drill and Exercise Emergency Notification Report Forms, July 2001 through March 2002	
PINGP 1325	Emergency Planning Control Room Simulator Performance Records, July 2001 through March 2002	
	Monthly ANS Fixed Siren Trend Reports, July 2001 through March 2002	
H33.4	Emergency Preparedness PI Reporting Instructions	Revision 2
CR015193	Vandalism to One ANS Siren	
CR017454	Pierce County Backup Encoder Malfunction	
CR018174	Dakota County Backup Encoder Operator Error	
CR018486	DEP Indicator Decreasing Trend	
CR0185894	ERO Indicator Minor Reporting Error - Third Quarter 2001	
CR0186607	Three Possible DEP Failures During TSC Drill	
CR0186766	Pierce County Backup Encoder Malfunction	
CR0202294	One ANS Siren Out of Service	
CR0202513	ERO Indicator Minor Reporting Error - Fourth Quarter 2001	