



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

September 2, 2008

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

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –  
PRAIRIE ISLAND NUCLEAR GENERATING PLANT, UNITS 1 AND 2**

Dear Mr. Wadley:

On August 14, 2008, the NRC staff completed its performance review of Prairie Island Nuclear Generating Plant, Units 1 and 2 for the first half of the calendar year 2008 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous 12 months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only – Security Related Information" will include the security cornerstone review and resultant inspection plan.

Overall, Prairie Island Nuclear Generating Plant, Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, including baseline and other infrequently conducted inspections, less those related to security, scheduled through December 31, 2009. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review.

M. Wadley

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In accordance with 10 CFR 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 Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 630-829-9620 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

Richard A. Skokowski, Chief  
Branch 3  
Division of Reactor Projects

Docket Nos. 50-282; 50-306; 72-010  
License Nos. DPR-42; DPR-60; SNM-2506

Enclosure: Prairie Island Inspection/Activity Plan

DISTRIBUTION  
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Letter to M. Wadley from R. Skokowski dated September 2, 2008

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –  
PRAIRIE ISLAND NUCLEAR GENERATING PLANT, UNITS 1 AND 2

cc w/encl: D. Koehl, Chief Nuclear Officer  
P. Glass, Assistant General Counsel  
Nuclear Asset Manager  
J. Stine, 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  
Council Administrator  
President, Prairie Island Tribal Council  
Goodhue County Sheriff  
Director, Pierce County Emergency  
Management Agency  
Chair, Pierce County Board of Commissioners  
Chair, Dakota County Board of Commissioners  
Mayor of Red Wing  
Director, Goodhue County Emergency  
Management Agency  
Chair, Goodhue County Board of Commissioners  
Pierce County Sheriff  
Dakota County Sheriff  
G. Mortensen, INPO

M. Wadley

-2-

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OFFICE	RIII		RIII							
NAME	RJones:ntp		RSkokowski							
DATE	08/21/08		08/21/08							

**OFFICIAL RECORD COPY**

Letter to M. Wadley from R. Skokowski dated September 2, 2008

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PRAIRIE ISLAND NUCLEAR GENERATING PLANT, UNITS 1 AND 2

DISTRIBUTION:

Tamara Bloomer

RidsNRRDORILp13-2

RidsNrrPMPrairieIsland Resource

RidsNrrDirslpab Resource

James Caldwell

Mark Satorius

Jared Heck

Kenneth O'Brien

Allan Barker

DRPIII

DRSIII

Patricia Buckley

Tammy Tomczak

[ROPreports@nrc.gov](mailto:ROPreports@nrc.gov) (inspection reports, final SDP letters, any letter with an IR number)

**Prairie Island  
Inspection / Activity Plan  
09/01/2008 - 12/31/2009**

Inspection Activity	Title	No. of Staff on Site	Planned Dates Start      End	Inspection Type
<b>ER</b>	<b>- EMERGENCY RESPONSE - RX TRIP &amp; NOUE</b>	<b>4</b>		
IP 93812	Special Inspection		07/31/2008    09/20/2008	Event Response Inspec
<b>BI RP</b>	<b>- RADIATION PROTECTION BASELINE INSPECTION</b>	<b>1</b>		
IP 7112101	Access Control to Radiologically Significant Areas		09/22/2008    09/26/2008	Baseline Inspections
IP 7112102	ALARA Planning and Controls		09/22/2008    09/26/2008	Baseline Inspections
IP 71151-OR01	Occupational Exposure Control Effectiveness		09/22/2008    09/26/2008	Baseline Inspections
<b>BI ENG</b>	<b>- INSERVICE INSPECTION/TI-172</b>	<b>2</b>		
IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		09/15/2008    10/10/2008	Generic Safety Inspecti
IP 7111108P	Inservice Inspection Activities - PWR		09/15/2008    10/10/2008	Baseline Inspections
<b>BI ENG</b>	<b>- ENGINEERING MODIFICATIONS / 50.59 INSP.</b>	<b>3</b>		
IP 7111117B	Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications		11/17/2008    12/12/2008	Baseline Inspections
<b>RENEWAL</b>	<b>- LICENSE RENEWAL INSPECTION</b>	<b>5</b>		
IP 71002	License Renewal Inspection		01/12/2009    01/30/2009	License Renewal Insper
<b>BI RP</b>	<b>- RADIATION PROTECTION BASELINE INSPECTION</b>	<b>1</b>		
IP 7112202	Radioactive Material Processing and Transportation		02/02/2009    02/06/2009	Baseline Inspections
IP 71151-BI01	Reactor Coolant System Activity		02/02/2009    02/06/2009	Baseline Inspections
<b>BI ENG</b>	<b>- TRIENNIAL FIRE PROTECTION INSPECTION</b>	<b>3</b>		
IP 7111105T	Fire Protection [Triennial]		03/30/2009    04/17/2009	Baseline Inspections
<b>BI ENG</b>	<b>- FIRE PROTECTION INFO GATHERING TRIP</b>	<b>3</b>		
IP 7111105T	Fire Protection [Triennial]		03/16/2009    03/20/2009	Baseline Inspections
<b>BI EP</b>	<b>- EP ROUTINE INSPECTION / PI VERIFICATION</b>	<b>1</b>		
IP 7111402	Alert and Notification System Testing		04/13/2009    04/17/2009	EP Baseline Inspection
IP 7111403	Emergency Response Organization Augmentation Testing		04/13/2009    04/17/2009	EP Baseline Inspection
IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		04/13/2009    04/17/2009	EP Baseline Inspection
IP 71151-EP01	Drill/Exercise Performance		04/13/2009    04/17/2009	Baseline Inspections
IP 71151-EP02	ERO Drill Participation		04/13/2009    04/17/2009	Baseline Inspections
IP 71151-IE03	Unplanned Power Changes per 7000 Critical Hrs		04/13/2009    04/17/2009	Baseline Inspections
<b>ISFSI</b>	<b>- ISFSI - ROUTINE LOADING</b>	<b>1</b>		
IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		04/01/2009    05/30/2009	Other Routine
<b>BI ENG</b>	<b>- TRIENNIAL HEAT SINK INSPECTION</b>	<b>2</b>		
IP 7111107T	Heat Sink Performance		06/15/2009    06/19/2009	Baseline Inspections
<b>BI RP</b>	<b>- RADIATION PROTECTION BASELINE INSPECTION</b>	<b>1</b>		
IP 7112101	Access Control to Radiologically Significant Areas		06/15/2009    06/19/2009	Baseline Inspections
IP 7112102	ALARA Planning and Controls		06/15/2009    06/19/2009	Baseline Inspections
IP 71151-OR01	Occupational Exposure Control Effectiveness		06/15/2009    06/19/2009	Baseline Inspections

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			Start	End	
<b>BI RP</b>	<b>- RADIATION PROTECTION BASELINE INSPECTION</b>	<b>1</b>			
IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		08/24/2009	08/28/2009	Baseline Inspections
IP 71151-PR01	RETS/ODCM Radiological Effluent		08/24/2009	08/28/2009	Baseline Inspections
<b>BI ENG</b>	<b>- ENGINEERING INSERVICE INSPECTION</b>	<b>1</b>			
IP 7111108P	Inservice Inspection Activities - PWR		09/14/2009	10/02/2009	Baseline Inspections
<b>BI RP</b>	<b>- RADIATION PROTECTION BASELINE INSPECTION</b>	<b>1</b>			
IP 7112101	Access Control to Radiologically Significant Areas		09/21/2009	09/25/2009	Baseline Inspections
IP 7112102	ALARA Planning and Controls		09/21/2009	09/25/2009	Baseline Inspections
<b>BI OL</b>	<b>- BIENNIAL REQUAL. PROGRAM INSPECTION</b>	<b>2</b>			
IP 7111111B	Licensed Operator Requalification Program		10/05/2009	10/09/2009	Baseline Inspections
<b>TI</b>	<b>- TEMPORARY INSTRUCTION 2515/173</b>	<b>1</b>			
IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative		10/05/2009	10/09/2009	Generic Safety Inspecti
<b>BI PI&amp;R</b>	<b>- BIENNIAL PI&amp;R INSPECTION</b>	<b>4</b>			
IP 71152B	Identification and Resolution of Problems		11/30/2009	12/18/2009	Baseline Inspections