



414 Nicollet Mall – MP4  
Minneapolis, MN 55401

February 27, 2012

L-XE-12-001  
10 CFR 26.717(e)

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555-0001

Monticello Nuclear Generating Plant  
Docket 50-263  
Renewed Facility Operating License No. DPR-22

Prairie Island Nuclear Generating Plant, Units 1 and 2  
Dockets 50-282 and 50-306  
Renewed Facility Operating License Nos. DPR-42 and DPR-60

Fitness For Duty Performance Data

In accordance with 10 CFR 26.717, Northern States Power Company, a Minnesota corporation doing business as Xcel Energy (NSPM) hereby submits the Fitness For Duty (FFD) Program Performance Data for Corporate, Monticello Nuclear Generating Plant, and Prairie Island Nuclear Generating Plant (Enclosure 1) as well as data on Work Hour Rule Waivers (Enclosure 2). The report covers the 12-month period ending December 31, 2011.

Summary of Commitments

This letter makes no new commitments or changes to existing commitments.

*for* Paula K. Anderson  
Director, Nuclear Licensing and Regulatory Affairs  
Northern States Power Company-Minnesota

Enclosures (2)

cc: Administrator, Region III, USNRC  
Project Manager, Prairie Island, USNRC  
Resident Inspector, Prairie Island, USNRC  
Project Manager, Monticello, USNRC  
Resident Inspector, Monticello, USNRC  
State of Minnesota

**ENCLOSURE 1**

2011 Fitness for Duty Performance Data

6 pages follow

**Fitness for Duty Program Performance Data**

**Northern States Power Co - MN**  
 Company

**Corporate**  
 Location

**Randall Cleveland**  
 Contact Name

**December 31, 2011**  
 Annual period Ending

**612-330-6257**  
 Phone Number

Cutoffs: Screen/Confirmation (ng/ml) and Alcohol (% BAC)

X For types defined in 10 CFR 26.31(d)(4) and at the cutoff levels identified in 26.163 (including the special analysis of dilute specimens permitted under 26.163(a)(2)) and 26.103

Testing Results	Licensee Employees		Long -Term Contractor personnel		Short -Term Contractor Personnel	
Average number with Unescorted Access	288		N/A		194	
Categories	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-badging	2	0			9	0
For Cause	0	0			0	0
Post Accident	0	0			0	0
Random	156	0			109	1
Follow-up	1	0			16	0
Total	159	0			134	1

**Fitness for Duty Program Performance Data (continued)**

**Northern States Power – MN**

Company

**December 31, 2011**

Annual period Ending

**Monticello Nuclear Generating Plant**

Location

**Randall Cleveland**

Contact Name

**612-330-6257**

Phone Number

Cutoffs: Screen/Confirmation (ng/ml) and Alcohol (% BAC)

X For types defined in 10 CFR 26.31(d)(4) and at the cutoff levels identified in 26.163 (including the special analysis of dilute specimens permitted under 26.163(a)(2)) and 26.103

Testing Results	Licensee Employees		Long -Term Contractor personnel		Short -Term Contractor Personnel	
	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Average number with Unescorted Access	605		N/A		951	
Categories	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-badging	370	1			1988	9
For Cause	0	0			6	1
Post Accident	0	0			1	0
Random	319	1			513	5
Follow-up	38	0			94	0
Total	727	2			2602	15

**Fitness for Duty Program Performance Data (continued)**

**Northern States Power – MN**

Company

**December 31, 2011**

Annual period Ending

**Prairie Island Nuclear Generating Plant**

Location

**Randall Cleveland**

Contact Name

**612-330-6257**

Phone Number

Cutoffs: Screen/Confirmation (ng/ml) and Alcohol (% BAC)

X For types defined in 10 CFR Parts 26.31(d)(4) and at the cutoff levels identified in 26.163 (including the special analysis of dilute specimens permitted under 26.163(a)(2)) and 26.103

Testing Results	Licensee Employees		Long -Term Contractor personnel		Short -Term Contractor Personnel	
	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Average number with Unescorted Access	698		N/A		402	
Categories	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-badging	180	0			431	3
For Cause	0	0			0	0
Post Accident	0	0			1	0
Random	367	1			224	1
Follow-up	26	1			31	0
Total	573	2			687	4

### Breakdown of Confirmed Positive Tests

<b>Corporate</b>	Marijuana	Cocaine	Opiates	Amphet- amines	Phency- clidine	Alcohol	Refusal to Test
Licensee Employees	0	0	0	0	0	0	0
Short -Term Contractors	1	0	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Monticello</b>							
Licensee Employees	1	0	0	0	0	1	0
Short-Term Contractors	9	0	0	3	0	3	0
<b>Total</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>4</b>	<b>0</b>
<b>Prairie Island</b>							
Licensee Employees	0	0	0	0	0	2	0
Short-Term Contractors	4	1	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>

NSPM conducted 52 tests of dilutes using the special analysis of dilute specimens permitted under 10 CFR 26.163(a)(2). None of these tests required confirmatory testing down to the level of detection.

### Fitness For Duty Summary

#### Management Actions

1. During the annual period ending December 31, 2011, Monticello Nuclear Generating Plant and Prairie Island Nuclear Generating Plant conducted 4,882 drug and alcohol tests in accordance with 10 CFR Part 26. Monticello Nuclear Generating Plant and Prairie Island Nuclear Generating Plant workers subject to random drug and alcohol testing are assigned to one of three pools: Prairie Island, Monticello, and Corporate Office. Random test rates for each pool for the annual period ending December 31, 2011 are as follows:

<b>POOLS</b>	<b>Annual Period Ending 12/31/11</b>
Corporate	55%
Monticello	53%
Prairie Island	54%
<b>ALL</b>	<b>54%</b>

### **Fitness For Duty Summary (continued)**

For the 12-month reporting period ending December 31, 2011, Twenty-four (24) workers were denied nuclear access after testing positive for drugs or alcohol. By test type: Thirteen (13) pre-access tests were positive, One (1) follow-up test was positive, Nine (9) random tests were positive, One (1) For Cause-Post Event test was positive.

#### **Pre-Access Positives**

One (1) contractor employee tested positive for alcohol.

Two (2) contractor employees tested positive for amphetamines.

Eight (8) contractor employees tested positive for marijuana.

One (1) licensee employee tested positive for marijuana.

One (1) contractor employee tested positive for marijuana and cocaine.

The individuals listed above were denied access to NSPM nuclear facilities.

#### **Follow-up Positive**

One (1) licensee employee tested positive for alcohol.

The individual listed above was denied access to NSPM nuclear facilities with access subsequently reinstated after successfully completing applicable NSPM Fitness for Duty and initial Access Authorization Program requirements.

#### **Random Positives**

Five (5) contractor employees tested positive for marijuana.

One (1) contractor employee tested positive for alcohol.

One (1) contractor employee tested positive for amphetamines.

Two (2) licensee employees tested positive for alcohol.

The individuals listed above were denied access to NSPM nuclear facilities.

#### **For Cause-Post Event Positive**

One (1) licensee employee tested positive for alcohol.

The individual listed above was denied access to NSPM nuclear facilities.

2. For the annual period referenced herein all blind specimens submitted to Monticello Nuclear Generating Plant HHS-certified laboratory yielded expected results.
3. For the annual period referenced herein blind specimens submitted to Prairie Island Nuclear Generating Plant's HHS-certified laboratory yielded expected results with the exception of one dilute negative that yielded a non-dilute negative result. NSPM Nuclear CAP 1307390 identified the likely cause as laboratory technician variable sample handling/testing technique. Corrective action included laboratory reviews of appropriate specimen handling and testing procedures with all technologists using J57 refractometers and competency assessments to ensure accurate results are generated from blind specimen submittals.

### Waivers

For the reporting period ending December 31, 2011, Monticello had Three (3) and Prairie Island had Ten (10) waivers of the work hour controls specified in 10 CFR 26.205(d)(1) through (d)(5)(i) for individuals described in 10 CFR 26.4(a). A detailed breakdown of the waivers by NSPM site is included in Enclosure 2

### Reportable Events

There were three (3) reportable events in the 12-month period ending December 31, 2011.

At Prairie Island:

One (1) licensee supervisor tested positive on a random alcohol test.

At Monticello:

One (1) licensee FFD Program Collector tested positive on a random alcohol test.

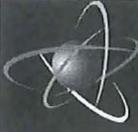
One (1) contractor supervisor tested positive on a random alcohol test.

**ENCLOSURE 2**

2011 Work Hour Rule Waivers

2 pages follow





**U.S. NRC**  
United States Nuclear Regulatory Commission

Protecting People and the Environment

# Electronic Information Exchange

## NRC FFD Program Performance Data Reporting System 10 CFR Part 26, Subpart I - Managing Fatigue Annual Fatigue Reporting Form for the EIE General Submission

Select Facility:  Period of Report:

Note:  
1) Use Adobe Reader 8 or later for this form to work properly.  
2) Hold your mouse over a form field to view additional information.

Submission Update - check this box only if this is an update to a previous submission.

Did your facility issue any waivers in the reporting period? (Yes / No)  Was this facility in an outage for any part of the reporting period? (Yes / No)  Did any single site outage last more than 60 days in total? (Yes / No)

### Summary of Waiver Issuance - 26.203(e)(1)(i-ii)

Work Hour Controls		Number of Waivers Issued																		
		Operating or on-site directing of the operations of systems as described in 26.4(a)(1)			Performing health physics or chemistry duties as described in 26.4(a)(2)			Performing duties of a fire brigade member as described in 26.4(a)(3)*			Performing maintenance or on-site directing of maintenance as described in 26.4(a)(4)			Performing security duties as described in 26.4(a)(5)			Operating Total	Outage Total (days 1-60)	Outage Total (after day 60)	Combined Total
		Operating	Outage (days 1-60)	Outage (after day 60)	Operating	Outage (days 1-60)	Outage (after day 60)	Operating	Outage (days 1-60)	Outage (after day 60)	Operating	Outage (days 1-60)	Outage (after day 60)	(Calculated)	(Calculated)	(Calculated)				
Daily Work Hours 26.205(a)(1)	Exceeded 16 work hrs in any 24 hr period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Exceeded 28 work hrs in any 48 hr period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Exceeded 72 work hrs in any 7 day period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rest Breaks 26.205(a)(2)	Less than 10 hr break b/t successive work periods (or 8 hr break accommodating schedule-adj transport b/t shifts)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Less than 34 hr break in any 9 day period	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Days Off Per Shift Cycle 26.205(a)(3)	Average of less than 1 day off per week for 8-hour shifts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Average of less than 2 days off per week for 10-hour shifts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Average of less than 2.5 days off per week for 12-hour shifts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Average of less than 2 days off per week for 12-hour maintenance shifts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Days Off for Outage Activities (during first 90 days of outage) 26.205(a)(4) and 26.205(a)(5)	Less than 3 days off per successive 15-day period 26.205(a)(4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Less than 1 day off per 7-day period for maintenance personnel 26.205(a)(5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alternate to Minimum Days Off 26.205(a)(7)	Less than 4 days off per successive 15-day period for security personnel 26.205(a)(5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	34-hour maximum average	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>

\*NOTE: For individuals performing fire brigade duties and other duties, please count them only under the fire brigade columns. Do not double count these individuals.

### Distribution of Waivers for Individuals in Each Category - 26.203(e)(1)(iii)

Number of Employees Issued Waivers (Note: Even if no waivers were issued for a given column, please enter a value (e.g., 0) in at least one of the cells in the column)

Number of Waivers	Operating or on-site directing of the operations of systems as described in 26.4(a)(1)	Performing health physics or chemistry duties as described in 26.4(a)(2)	Performing duties of a fire brigade member as described in 26.4(a)(3)*	Performing maintenance or on-site directing of maintenance as described in 26.4(a)(4)	Performing security duties as described in 26.4(a)(5)
1	1	0	0	3	0
2	0	0	0	3	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11 - 20	0	0	0	0	0
More than 20	0	0	0	0	0
<b>Total Employees Issued Waivers (calculated)</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>
Most Waivers Provided to a Single Individual	1	0	0	2	0

\*NOTE: For individuals performing fire brigade duties and other duties, please count them only under the fire brigade columns. Do not double count these individuals.

### Summary of Corrective Action - 26.203(e)(2) (as permitted)

Analysis of Waiver Assessment Data (Limit 10,000 characters)  
Seven (7) waivers were directly resulting from unlicensed LOECs that required immediate mitigation, two (2) were to process a safety boundary, and one (1) was for a minimum shift requirement.

Analysis of Fatigue Assessment Data (Limit 10,000 characters)  
Fatigue assessments performed prior to issuance of the waivers did not identify a fatigue concern.

Conclusions (Limit 10,000 characters)  
Waivers were appropriately documented and granted with no fatigue concerns identified.

Summary and Status of Corrective Actions (Limit 10,000 characters)  
Corrective actions implemented in 2011 addressing NRC waiver documentation challenges were effective.

### General Comments (optional) (Limit 10,000 characters)

### Person(s) Responsible for Information Provided

Person 1 (required):      
 Person 2 (optional):

Final Step (Required) - NRC will consider this form authentic in accordance with 26.11 only when the "Validate & Lock" button has been selected and all errors (i.e., those highlighted in red) have been corrected. The "Validate & Lock" button will change to "Locked" after the data validation process has been successfully completed and the form is ready for submission.