Prairie Island 2

1Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2125.8	2183.0	2208.0	2209.0	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Scrams	0	0	0	0	0
Indicator value	**1.0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	1.0	0	0	0	0
Critical hours	2125.8	2183.0	2208.0	2209.0	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	16.00	5.77	5.50	32.72	5.37
Unplanned unavailable hours	0	0	0	37.73	9.10
Fault exposure hours	0	0	0	0	340.05
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	17.92	14.52	5.97	31.77	16.20
Unplanned unavailable hours	0	0	0	8.18	31.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**1.5%**

Licensee Comments:

3Q/98: Planned unavailable hours for 2Q96, 2Q97, 3Q97, and 3Q98 were revised to reflect current guidance of NEI 99-02, rev 0, which states that planned overhaul hours do not have to be included in the unavailable hours for this performance indicator. NEI 99-02 allows data, submitted prior to revision 0, may be revised and resubmitted to reflect current guidance if desired. Changes did not result in a threshold color change.

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0.67	0.86	3.17	1.88	8.85
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2125.80	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	9.86	38.42	2.74	2.54	1.06
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2125.80	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	5.81	4.28	9.79	4.22	13.04
Unplanned unavailable hours	0	0	0	0	44.05
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2125.80	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	15.44	43.01	8.43	5.40	5.72
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2125.80	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments:

4Q/99: On the 10/14/99 submittal, the planned unavailable hours for Train 2 for 10/1999 was 1.15 and should have been 1.97. The data entry on the 12/14/99 submittal did include the correct number of planned unavailable hours.

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0.77	0.99	12.42	3.95	8.95
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	9.93	38.52	12.79	3.81	1.13
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.4%**	**0.5%**	**0.5%**	**0.4%**	**0.5%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Safety System Functional Failures	1	0	2	0	0
Indicator value	**6**	**5**	**3**	**3**	**2**

Licensee Comments:

3Q/99: The 3Q1999 SSFF value was changed from 4 to 2, based on revised guidance provided in NEI 99-02, revision 0, 'Clarifying Notes' section. The indicator remains Green for the affected time periods.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0.000350	0.000620	0.000380	0.000400	0.000420	0.000410	0.000410	0.000430	0.000470	0.000470	0.000480	0.000500
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	16.0	16.0	29.0	65.0	12.0
Total opportunities	17.0	16.0	29.0	68.0	14.0
Indicator value	**92.6%**	**93.1%**	**94.5%**	**96.2%**	**95.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel	66.0	66.0	74.0	76.0	73.0
Total Key personnel	79.0	83.0	83.0	77.0	74.0
Indicator value	**83.5%**	**79.5%**	**89.2%**	**98.7%**	**98.6%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	298	301	302	312	308
Total sirens-tests	312	312	312	312	312
Indicator value	**96.1%**	**96.2%**	**96.4%**	**97.2%**	**98.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
High radiation area occurrences	0	0	0	0	2
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**0**	**2**

Licensee Comments:

1Q/00: 1Q2000 - Number of Technical Specification High Radiation Area Occurrences was conservatively changed from 1 to 2. Originally, this was considered a single occurrence - a failure to lock a Technical Specification High Radiation Area. Subsequent review revealed a second opportunity - a failure to conduct a timely survey. Both occurrences were associated with a single work activity in the same High Radiation Area. Change did not result in a threshold color change.

4Q/98: This occurrence was previously reported for the 4Q98 for Unit 1 only. Subsequent guidance from NEI indicated this occurrence should be reported on both Units. Indicator remains green for the affected time periods.

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	33.00	72.30	70.50	7.10	37.03
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.006**	**0.007**	**0.010**	**0.009**	**0.010**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Program failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Program Failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Last Modified: April 1, 2002

Prairie Island 2

2Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	0	0	0	0	1.0
Critical hours	2183.0	2208.0	2209.0	2184.0	1257.2
Indicator value	**0.9**	**0.9**	**0**	**0**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Scrams	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2184.0	1257.2
Indicator value	**0.9**	**0.9**	**0.8**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	5.77	5.50	32.72	5.37	3.79
Unplanned unavailable hours	0	0	37.73	9.10	0
Fault exposure hours	0	0	0	340.05	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2057.75
Train 2					
Planned unavailable hours	14.52	5.97	31.77	16.20	5.23
Unplanned unavailable hours	0	0	8.18	31.50	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2057.75
Indicator value	**0.9%**	**0.9%**	**0.9%**	**1.5%**	**1.5%**

Licensee Comments:

3Q/98: Planned unavailable hours for 2Q96, 2Q97, 3Q97, and 3Q98 were revised to reflect current guidance of NEI 99-02, rev 0, which states that planned overhaul hours do not have to be included in the unavailable hours for this performance indicator. NEI 99-02 allows data, submitted prior to revision 0, may be revised and resubmitted to reflect current guidance if desired. Changes did not result in a threshold color change.

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0.86	3.17	1.88	8.85	33.00
Unplanned unavailable hours	0	0	0	0	14.07
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	1257.14
Train 2					
Planned unavailable hours	38.42	2.74	2.54	1.06	20.67
Unplanned unavailable hours	0	0	0	0	0.35
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	1257.14
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	4.28	9.79	4.22	13.04	8.75
Unplanned unavailable hours	0	0	0	44.05	11.37
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	1257.14
Train 2					
Planned unavailable hours	43.01	8.43	5.40	5.72	7.16
Unplanned unavailable hours	0	0	0	0	0.58
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	1257.14
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments:

4Q/99: On the 10/14/99 submittal, the planned unavailable hours for Train 2 for 10/1999 was 1.15 and should have been 1.97. The data entry on the 12/14/99 submittal did include the correct number of planned unavailable hours.

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0.99	12.42	3.95	8.95	33.84
Unplanned unavailable hours	0	0	0	0	14.07
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2057.75
Train 2					
Planned unavailable hours	38.52	12.79	3.81	1.13	21.20
Unplanned unavailable hours	0	0	0	0	0.35
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2057.75
Indicator value	**0.5%**	**0.5%**	**0.4%**	**0.5%**	**0.6%**

Licensee Comments:

2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green.

2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green. New comment (3/8/2001) The planned unavailable hours for 2Q2000 were revised to include previously unreported hours, resulting in a color change from Green to White.

2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not

counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green. New comment (3/8/2001) The planned unavailable hours for 2Q2000 were revised to include previously unreported hours, resulting in a color change from Green to White.

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Safety System Functional Failures	0	2	0	0	0
Indicator value	**5**	**3**	**3**	**2**	**2**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum activity	0.000400	0.000420	0.000410	0.000410	0.000430	0.000470	0.000470	0.000480	0.000500	0.000480	N/A	0.000230
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**N/A**	**0**

Licensee Comments:

6/00: Unit was in a refueling outage the entire month of May.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum leakage	0	0	0	0	0	0	0	0	0	0	N/A	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**

Licensee Comments:

6/00: Unit was in a refueling outage the entire month of May.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	16.0	29.0	65.0	12.0	2.0
Total opportunities	16.0	29.0	68.0	14.0	2.0
Indicator value	**93.1%**	**94.5%**	**96.2%**	**95.6%**	**95.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel	66.0	74.0	76.0	73.0	71.0
Total Key personnel	83.0	83.0	77.0	74.0	76.0
Indicator value	**79.5%**	**89.2%**	**98.7%**	**98.6%**	**93.4%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	301	302	312	308	306
Total sirens-tests	312	312	312	312	312
Indicator value	**96.2%**	**96.4%**	**97.2%**	**98.0%**	**98.4%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
High radiation area occurrences	0	0	0	2	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**2**	**2**

Licensee Comments:

1Q/00: 1Q2000 - Number of Technical Specification High Radiation Area Occurrences was conservatively changed from 1 to 2. Originally, this was considered a single occurrence - a failure to lock a Technical Specification High Radiation Area. Subsequent review revealed a second opportunity - a failure to conduct a timely survey. Both occurrences were associated with a single work activity in the same High Radiation Area. Change did not result in a threshold color change.

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	72.30	70.50	7.10	37.03	155.08
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.007**	**0.010**	**0.009**	**0.010**	**0.014**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Program failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Program Failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 1, 2002

Prairie Island 2

3Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2184.0	1257.2	2208.0
Indicator value	**0.9**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Scrams	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	1257.2	2208.0
Indicator value	**0.9**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	5.50	32.72	5.37	3.79	6.30
Unplanned unavailable hours	0	37.73	9.10	0	0
Fault exposure hours	0	0	340.05	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2057.75	2208.00
Train 2					
Planned unavailable hours	5.97	31.77	16.20	5.23	6.40
Unplanned unavailable hours	0	8.18	31.50	0	15.75
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2057.75	2208.00
Indicator value	**0.9%**	**0.9%**	**1.5%**	**1.5%**	**1.4%**

Licensee Comments:

3Q/98: Planned unavailable hours for 2Q96, 2Q97, 3Q97, and 3Q98 were revised to reflect current guidance of NEI 99-02, rev 0, which states that planned overhaul hours do not have to be included in the unavailable hours for this performance indicator. NEI 99-02 allows data, submitted prior to revision 0, may be revised and resubmitted to reflect current guidance if desired. Changes did not result in a threshold color change.

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	3.17	1.88	8.85	33.00	1.87
Unplanned unavailable hours	0	0	0	14.07	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	1257.14	2208.00
Train 2					
Planned unavailable hours	2.74	2.54	1.06	20.67	9.20
Unplanned unavailable hours	0	0	0	0.35	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	1257.14	2208.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.6%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	9.79	4.22	13.04	8.75	8.63
Unplanned unavailable hours	0	0	44.05	11.37	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	1257.14	2208.00
Train 2					
Planned unavailable hours	8.43	5.40	5.72	7.16	7.69
Unplanned unavailable hours	0	0	0	0.58	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	1257.14	2208.00
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments:

4Q/99: On the 10/14/99 submittal, the planned unavailable hours for Train 2 for 10/1999 was 1.15 and should have been 1.97. The data entry on the 12/14/99 submittal did include the correct number of planned unavailable hours.

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	12.42	3.95	8.95	33.84	13.00
Unplanned unavailable hours	0	0	0	14.07	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2057.75	2208.00
Train 2					
Planned unavailable hours	12.79	3.81	1.13	21.20	18.60
Unplanned unavailable hours	0	0	0	0.35	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2057.75	2208.00
Indicator value	**0.5%**	**0.4%**	**0.5%**	**0.6%**	**0.6%**

Licensee Comments:

2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green.

2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green. New comment (3/8/2001) The planned unavailable hours for 2Q2000 were revised to include previously unreported hours, resulting in a color change from Green to White.

2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not

counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green. New comment (3/8/2001) The planned unavailable hours for 2Q2000 were revised to include previously unreported hours, resulting in a color change from Green to White.

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Safety System Functional Failures	2	0	0	0	0
Indicator value	**3**	**3**	**2**	**2**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000410	0.000430	0.000470	0.000470	0.000480	0.000500	0.000480	N/A	0.000230	0.000260	0.000390	0.000280
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0	0	0	0	0	0	0	N/A	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	29.0	65.0	12.0	2.0	45.0
Total opportunities	29.0	68.0	14.0	2.0	47.0
Indicator value	**94.5%**	**96.2%**	**95.6%**	**95.1%**	**95.5%**

Licensee Comments:

3Q/00: The 3Q2000 ERO Drill and Exercise Performance Indicator is being revised. Three opportunities and successes are being removed due to the fact that the September exercise was too similar to the previous drill. The exercise was re-performed in the 4Q2000. This change did not result in a threshold color change.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel	74.0	76.0	73.0	71.0	69.0
Total Key personnel	83.0	77.0	74.0	76.0	69.0
Indicator value	**89.2%**	**98.7%**	**98.6%**	**93.4%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	302	312	308	306	290
Total sirens-tests	312	312	312	312	312
Indicator value	**96.4%**	**97.2%**	**98.0%**	**98.4%**	**97.4%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
High radiation area occurrences	0	0	2	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**1**	**0**	**2**	**2**	**2**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	70.50	7.10	37.03	155.08	112.69
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.010**	**0.009**	**0.010**	**0.014**	**0.016**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Program failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Program Failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: March 29, 2002

Prairie Island 2

4Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned scrams	0	0	1.0	0	0
Critical hours	2209.0	2184.0	1257.2	2208.0	2209.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Scrams	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2209.0	2184.0	1257.2	2208.0	2209.0
Indicator value	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	32.72	5.37	3.79	6.30	10.27
Unplanned unavailable hours	37.73	9.10	0	0	15.17
Fault exposure hours	0	340.05	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00
Train 2					
Planned unavailable hours	31.77	16.20	5.23	6.40	5.51
Unplanned unavailable hours	8.18	31.50	0	15.75	1.62
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00
Indicator value	**0.9%**	**1.5%**	**1.5%**	**1.4%**	**1.5%**

Licensee Comments:

3Q/98: Planned unavailable hours for 2Q96, 2Q97, 3Q97, and 3Q98 were revised to reflect current guidance of NEI 99-02, rev 0, which states that planned overhaul hours do not have to be included in the unavailable hours for this performance indicator. NEI 99-02 allows data, submitted prior to revision 0, may be revised and resubmitted to reflect current guidance if desired. Changes did not result in a threshold color change.

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	1.88	8.85	33.00	1.87	2.03
Unplanned unavailable hours	0	0	14.07	0	27.92
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00
Train 2					
Planned unavailable hours	2.54	1.06	20.67	9.20	0.85
Unplanned unavailable hours	0	0	0.35	0	7.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00
Indicator value	**0.4%**	**0.4%**	**0.6%**	**0.5%**	**0.5%**

Licensee Comments:

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (4/23/01) Change resulted in addition of 0.33 hours of unavailability time to Train 1 for 4Q00 as a result of review/discussion with other utility. This change did not result in a threshold color change. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water

supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (4/23/01) Change resulted in addition of 0.33 hours of unavailability time to Train 1 for 4Q00 as a result of review/discussion with other utility. This change did not result in a threshold color change. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (4/23/01) Change resulted in addition of 0.33 hours of unavailability time to Train 1 for 4Q00 as a result of review/discussion with other utility. This change did not result in a threshold color change.

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	4.22	13.04	8.75	8.63	7.01
Unplanned unavailable hours	0	44.05	11.37	0	4.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00
Train 2					
Planned unavailable hours	5.40	5.72	7.16	7.69	32.85
Unplanned unavailable hours	0	0	0.58	0	7.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**

Licensee Comments:

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event.

4Q/99: On the 10/14/99 submittal, the planned unavailable hours for Train 2 for 10/1999 was 1.15 and should have been 1.97. The data entry on the 12/14/99 submittal did include the correct number of planned unavailable hours.

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	3.95	8.95	33.84	13.00	14.34
Unplanned unavailable hours	0	0	14.07	0	27.92
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00
Train 2					
Planned unavailable hours	3.81	1.13	21.20	18.60	0.93
Unplanned unavailable hours	0	0	0.35	0	7.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00
Indicator value	**0.4%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments:

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event.

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initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

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2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green. New comment (3/8/2001) The planned unavailable hours for 2Q2000 were revised to include previously unreported hours, resulting in a color change from Green to White.

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Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Safety System Functional Failures	0	0	0	0	2
Indicator value	**3**	**2**	**2**	**0**	**2**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000470	0.000480	0.000500	0.000480	N/A	0.000230	0.000260	0.000390	0.000280	0.000300	0.000320	0.000390
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0	0	0	0	N/A	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	65.0	12.0	2.0	45.0	31.0
Total opportunities	68.0	14.0	2.0	47.0	33.0
Indicator value	**96.2%**	**95.6%**	**95.1%**	**95.5%**	**95.6%**

Licensee Comments:

3Q/00: The 3Q2000 ERO Drill and Exercise Performance Indicator is being revised. Three opportunities and successes are being removed due to the fact that the September exercise was too similar to the previous drill. The exercise was re-performed in the 4Q2000. This change did not result in a threshold color change.

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	76.0	73.0	71.0	69.0	71.0
Total Key personnel	77.0	74.0	76.0	69.0	71.0
Indicator value	**98.7%**	**98.6%**	**93.4%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful siren-tests	312	308	306	290	302
Total sirens-tests	312	312	312	312	312
Indicator value	**97.2%**	**98.0%**	**98.4%**	**97.4%**	**96.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
High radiation area occurrences	0	2	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**0**	**2**	**2**	**2**	**2**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	7.10	37.03	155.08	112.69	11.89
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.009**	**0.010**	**0.014**	**0.016**	**0.016**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Program failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Program Failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Last Modified: March 28, 2002

Prairie Island 2

1Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	0	1.0	0	0	0
Critical hours	2209.0	2184.0	1257.2	2208.0	2209.0	2160.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	0	0	0	0	0
Critical hours	2209.0	2184.0	1257.2	2208.0	2209.0	2160.0
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	32.72	5.37	3.79	6.30	10.27	20.07
Unplanned unavailable hours	37.73	9.10	0	0	15.17	6.53
Fault exposure hours	0	340.05	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	31.77	16.20	5.23	6.40	5.51	6.18
Unplanned unavailable hours	8.18	31.50	0	15.75	1.62	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00	2160.00
Indicator value	**0.9%**	**1.5%**	**1.5%**	**1.4%**	**1.5%**	**1.5%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	1.88	8.85	33.00	1.87	2.03	140.13
Unplanned unavailable hours	0	0	14.07	0	27.92	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	2.54	1.06	20.67	9.20	0.85	1.05
Unplanned unavailable hours	0	0	0.35	0	7.50	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00	2160.00
Indicator value	**0.4%**	**0.4%**	**0.6%**	**0.5%**	**0.5%**	**0.8%**

Licensee Comments:

1Q/01: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps), which resulted in reporting 299.33 hours of unplanned unavailability on the 4Q2000 report. These hours resulted in exceeding the Green/White threshold for SI system and placing AFW and RHR on or near the threshold. Additional unavailability hours during 1Q2001 from unreported RHR hours and additional unavailability hours for support system (service water pumps) resulted in the AFW and RHR threshold color change from Green to White.

1Q/01: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps), which resulted in reporting 299.33 hours of unplanned unavailability on the 4Q2000 report. These hours resulted in exceeding the Green/White threshold for SI system and placing AFW and RHR on or near the threshold. Additional unavailability hours during 1Q2001 from unreported RHR hours and additional unavailability hours for support system (service water pumps) resulted in the AFW and RHR threshold color change from Green to White. New comment: Planned unavailable hours for 4Q98 through 1Q01 were revised to include additional testing hours identified as a result of an internal review of performance indicator data. Change did not result in a threshold color change.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water

supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (4/23/01) Change resulted in addition of 0.33 hours of unavailability time to Train 1 for 4Q00 as a result of review/discussion with other utility. This change did not result in a threshold color change.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (4/23/01) Change resulted in addition of 0.33 hours of unavailability time to Train 1 for 4Q00 as a result of review/discussion with other utility. This change did not result in a threshold color change. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (4/23/01) Change resulted in addition of 0.33 hours of unavailability time to Train 1 for 4Q00 as a result of review/discussion with other utility. This change did not result in a threshold color change. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	4.22	13.04	8.75	8.63	7.01	145.70
Unplanned unavailable hours	0	44.05	11.37	0	4.50	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	5.40	5.72	7.16	7.69	32.85	15.27
Unplanned unavailable hours	0	0	0.58	0	7.50	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00	2160.00
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**1.0%**

Licensee Comments:

1Q/01: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps), which resulted in reporting 299.33 hours of unplanned unavailability on the 4Q2000 report. These hours resulted in exceeding the Green/White threshold for SI system and placing AFW and RHR on or near the threshold. Additional unavailability hours during 1Q2001 from unreported RHR hours and additional unavailability hours for support system (service water pumps) resulted in the AFW and RHR threshold color change from Green to White.

1Q/01: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps), which resulted in reporting 299.33 hours of unplanned unavailability on the 4Q2000 report. These hours resulted in exceeding the Green/White threshold for SI system and placing AFW and RHR on or near the threshold. Additional unavailability hours during 1Q2001 from unreported RHR hours and additional unavailability hours for support system (service water pumps) resulted in the AFW and RHR threshold color change from Green to White. New comment: Planned unavailable hours for 4Q98 through 1Q01 were revised to include additional testing hours identified as a result of an internal review of performance indicator data. Change did not result in a threshold color change.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

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4Q/99: On the 10/14/99 submittal, the planned unavailable hours for Train 2 for 10/1999 was 1.15 and should have been 1.97. The data entry on the 12/14/99 submittal did include the correct number of planned unavailable hours.

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	3.95	8.95	33.84	13.00	14.34	140.23
Unplanned unavailable hours	0	0	14.07	0	27.92	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	3.81	1.13	21.20	18.60	0.93	1.15
Unplanned unavailable hours	0	0	0.35	0	7.50	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00	2160.00
Indicator value	**0.4%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.8%**

Licensee Comments:

1Q/01: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps), which resulted in reporting 299.33 hours of unplanned unavailability on the 4Q2000 report. These hours resulted in exceeding the Green/White threshold for SI system and placing AFW and RHR on or near the threshold. Additional unavailability hours during 1Q2001 from unreported RHR hours and additional unavailability hours for support system (service water pumps) resulted in the AFW and RHR threshold color change from Green to White. New comment: Planned unavailable hours for 4Q98 through 1Q01 were revised to include additional testing hours identified as a result of an internal review of performance indicator data. Change did not result in a threshold color change.

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4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water

supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

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2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green. New comment (3/8/2001) The planned unavailable hours for 2Q2000 were revised to include previously unreported hours, resulting in a color change from Green to White.

2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green. New comment (3/8/2001) The planned unavailable hours for 2Q2000 were revised to include previously unreported hours, resulting in a color change from Green to White.

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Safety System Functional Failures	0	0	0	0	2	0
Indicator value	**3**	**2**	**2**	**0**	**2**	**2**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000410	0.000430	0.000470	0.000470	0.000480	0.000500	0.000480	N/A	0.000230	0.000260	0.000390	0.000280
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000300	0.000320	0.000390	0.000700	0.000360	0.000350
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0	0	0	0	0	0	0	N/A	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	65.0	12.0	2.0	45.0	31.0	41.0
Total opportunities	68.0	14.0	2.0	47.0	33.0	47.0
Indicator value	**96.2%**	**95.6%**	**95.1%**	**95.5%**	**95.6%**	**94.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	76.0	73.0	71.0	69.0	71.0	68.0
Total Key personnel	77.0	74.0	76.0	69.0	71.0	68.0
Indicator value	**98.7%**	**98.6%**	**93.4%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	312	308	306	290	302	299
Total sirens-tests	312	312	312	312	312	312
Indicator value	**97.2%**	**98.0%**	**98.4%**	**97.4%**	**96.6%**	**95.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
High radiation area occurrences	0	2	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0
Indicator value	**0**	**2**	**2**	**2**	**2**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
RETS/ODCM occurrences	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	7.10	37.03	155.08	112.69	11.89	18.89
CCTV compensatory hours	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.009**	**0.010**	**0.014**	**0.016**	**0.016**	**0.015**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Program failures	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Program Failures	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Action Matrix Summary | Reactor Oversight Process

Last Modified: March 28, 2002

Prairie Island 2

2Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned scrams	0	0	1.0	0	0	0	1.0
Critical hours	2209.0	2184.0	1257.2	2208.0	2209.0	2160.0	1560.7
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Scrams	0	0	0	0	0	0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	0	0	0	0	0	0	1.0
Critical hours	2209.0	2184.0	1257.2	2208.0	2209.0	2160.0	1560.7
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	32.72	5.37	3.79	6.30	10.27	20.07	2.02
Unplanned unavailable hours	37.73	9.10	0	0	15.17	6.53	27.25
Fault exposure hours	0	340.05	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	31.77	16.20	5.23	6.40	5.51	6.18	28.60
Unplanned unavailable hours	8.18	31.50	0	15.75	1.62	0	199.42
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.9%**	**1.5%**	**1.5%**	**1.4%**	**1.5%**	**1.5%**	**1.8%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	1.88	8.85	33.00	1.87	2.03	140.13	9.23
Unplanned unavailable hours	0	0	14.07	0	27.92	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70
Train 2							
Planned unavailable hours	2.54	1.06	20.67	9.20	0.85	1.05	10.79
Unplanned unavailable hours	0	0	0.35	0	7.50	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70
Indicator value	**0.4%**	**0.4%**	**0.6%**	**0.5%**	**0.5%**	**0.8%**	**0.8%**

Licensee Comments:

1Q/01: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps), which resulted in reporting 299.33 hours of unplanned unavailability on the 4Q2000 report. These hours resulted in exceeding the Green/White threshold for SI system and placing AFW and RHR on or near the threshold. Additional unavailability hours during 1Q2001 from unreported RHR hours and additional unavailability hours for support system (service water pumps) resulted in the AFW and RHR threshold color change from Green to White. New comment: Planned unavailable hours for 4Q98 through 1Q01 were revised to include additional testing hours identified as a result of an internal review of performance indicator data. Change did not result in a threshold color change.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33

hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (4/23/01) Change resulted in addition of 0.33 hours of unavailability time to Train 1 for 4Q00 as a result of review/discussion with other utility. This change did not result in a threshold color change. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (4/23/01) Change resulted in addition of 0.33 hours of unavailability time to Train 1 for 4Q00 as a result of review/discussion with other utility. This change did not result in a threshold color change. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	4.22	13.04	8.75	8.63	7.01	145.70	8.79
Unplanned unavailable hours	0	44.05	11.37	0	4.50	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70
Train 2							
Planned unavailable hours	5.40	5.72	7.16	7.69	32.85	15.27	13.75

Unplanned unavailable hours	0	0	0.58	0	7.50	0	8.50
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**1.0%**	**1.1%**

Licensee Comments:

1Q/01: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps), which resulted in reporting 299.33 hours of unplanned unavailability on the 4Q2000 report. These hours resulted in exceeding the Green/White threshold for SI system and placing AFW and RHR on or near the threshold. Additional unavailability hours during 1Q2001 from unreported RHR hours and additional unavailability hours for support system (service water pumps) resulted in the AFW and RHR threshold color change from Green to White. New comment: Planned unavailable hours for 4Q98 through 1Q01 were revised to include additional testing hours identified as a result of an internal review of performance indicator data. Change did not result in a threshold color change.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

4Q/99: On the 10/14/99 submittal, the planned unavailable hours for Train 2 for 10/1999 was 1.15 and should have been 1.97. The data entry on the 12/14/99 submittal did include the correct number of planned unavailable hours.

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	3.95	8.95	33.84	13.00	14.34	140.23	10.18
Unplanned unavailable hours	0	0	14.07	0	27.92	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	3.81	1.13	21.20	18.60	0.93	1.15	19.83
Unplanned unavailable hours	0	0	0.35	0	7.50	0	23.03
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.4%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.8%**	**0.9%**

Licensee Comments:

1Q/01: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps), which resulted in reporting 299.33 hours of unplanned unavailability on the 4Q2000 report. These hours resulted in exceeding the Green/White threshold for SI system and placing AFW and RHR on or near the threshold. Additional unavailability hours during 1Q2001 from unreported RHR hours and additional unavailability hours for support system (service water pumps) resulted in the AFW and RHR threshold color change from Green to White. New comment: Planned unavailable hours for 4Q98 through 1Q01 were revised to include additional testing hours identified as a result of an internal review of performance indicator data. Change did not result in a threshold color change.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33

hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green. New comment (3/8/2001) The planned unavailable hours for 2Q2000 were revised to include previously unreported hours, resulting in a color change from Green to White.

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Safety System Functional Failures	0	0	0	0	2	0	0
Indicator value	**3**	**2**	**2**	**0**	**2**	**2**	**2**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000410	0.000430	0.000470	0.000470	0.000480	0.000500	0.000480	N/A	0.000230	0.000260	0.000390	0.000280
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000300	0.000320	0.000390	0.000700	0.000360	0.000350	0.000370	0.000370	0.000370
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0	0	0	0	0	0	0	N/A	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful opportunities	65.0	12.0	2.0	45.0	31.0	41.0	8.0
Total opportunities	68.0	14.0	2.0	47.0	33.0	47.0	8.0
Indicator value	**96.2%**	**95.6%**	**95.1%**	**95.5%**	**95.6%**	**94.1%**	**94.0%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	76.0	73.0	71.0	69.0	71.0	68.0	66.0
Total Key personnel	77.0	74.0	76.0	69.0	71.0	68.0	72.0
Indicator value	**98.7%**	**98.6%**	**93.4%**	**100.0%**	**100.0%**	**100.0%**	**91.7%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful siren-tests	312	308	306	290	302	299	307
Total sirens-tests	312	312	312	312	312	312	312
Indicator value	**97.2%**	**98.0%**	**98.4%**	**97.4%**	**96.6%**	**95.9%**	**96.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
High radiation area occurrences	0	2	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0
Indicator value	**0**	**2**	**2**	**2**	**2**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	7.10	37.03	155.08	112.69	11.89	18.89	55.99
CCTV compensatory hours	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.009**	**0.010**	**0.014**	**0.016**	**0.016**	**0.015**	**0.010**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Program failures	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Program Failures	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Last Modified: March 27, 2002

Prairie Island 2

3Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	0	0	1.0	0	0	0	1.0	0
Critical hours	2209.0	2184.0	1257.2	2208.0	2209.0	2160.0	1560.7	2208.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Scrams	0	0	0	0	0	0	1.0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2209.0	2184.0	1257.2	2208.0	2209.0	2160.0	1560.7	2208.0
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	32.72	5.37	3.79	6.30	10.27	20.07	2.02	28.68
Unplanned unavailable hours	37.73	9.10	0	0	15.17	6.53	27.25	4.18
Fault exposure hours	0	340.05	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	31.77	16.20	5.23	6.40	5.51	6.18	28.60	8.07
Unplanned unavailable hours	8.18	31.50	0	15.75	1.62	0	199.42	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.9%**	**1.5%**	**1.5%**	**1.4%**	**1.5%**	**1.5%**	**1.8%**	**1.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	1.88	8.85	33.00	1.87	2.03	140.13	9.23	46.89
Unplanned unavailable hours	0	0	14.07	0	27.92	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00
Train 2								
Planned unavailable hours	2.54	1.06	20.67	9.20	0.85	1.05	10.79	22.66
Unplanned unavailable hours	0	0	0.35	0	7.50	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00
Indicator value	**0.4%**	**0.4%**	**0.6%**	**0.5%**	**0.5%**	**0.8%**	**0.8%**	**0.9%**

Licensee Comments:

1Q/01: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps), which resulted in reporting 299.33 hours of unplanned unavailability on the 4Q2000 report. These hours resulted in exceeding the Green/White threshold for SI system and placing AFW and RHR on or near the threshold. Additional unavailability hours during 1Q2001 from unreported RHR hours and additional unavailability hours for support system (service water pumps) resulted in the AFW and RHR threshold color change from Green to White. New comment: Planned unavailable hours for 4Q98 through 1Q01 were revised to include additional testing hours identified as a result of an internal review of performance indicator data. Change did not result in a threshold color change.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33

hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (4/23/01) Change resulted in addition of 0.33 hours of unavailability time to Train 1 for 4Q00 as a result of review/discussion with other utility. This change did not result in a threshold color change. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	4.22	13.04	8.75	8.63	7.01	145.70	8.79	10.84
Unplanned unavailable hours	0	44.05	11.37	0	4.50	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00
Train 2								
Planned unavailable hours	5.40	5.72	7.16	7.69	32.85	15.27	13.75	10.73
Unplanned unavailable hours	0	0	0.58	0	7.50	0	8.50	13.97
Fault exposure hours	0	0	0	0	0	0	0	390.88
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**1.0%**	**1.1%**	**1.9%**

Licensee Comments:

1Q/01: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps), which resulted in reporting

299.33 hours of unplanned unavailability on the 4Q2000 report. These hours resulted in exceeding the Green/White threshold for SI system and placing AFW and RHR on or near the threshold. Additional unavailability hours during 1Q2001 from unreported RHR hours and additional unavailability hours for support system (service water pumps) resulted in the AFW and RHR threshold color change from Green to White. New comment: Planned unavailable hours for 4Q98 through 1Q01 were revised to include additional testing hours identified as a result of an internal review of performance indicator data. Change did not result in a threshold color change.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

4Q/99: On the 10/14/99 submittal, the planned unavailable hours for Train 2 for 10/1999 was 1.15 and should have been 1.97. The data entry on the 12/14/99 submittal did include the correct number of planned unavailable hours.

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	3.95	8.95	33.84	13.00	14.34	140.23	10.18	72.87
Unplanned unavailable hours	0	0	14.07	0	27.92	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								

Planned unavailable hours	3.81	1.13	21.20	18.60	0.93	1.15	19.83	23.11
Unplanned unavailable hours	0	0	0.35	0	7.50	0	23.03	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.4%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.8%**	**0.9%**	**1.1%**

Licensee Comments:

1Q/01: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps), which resulted in reporting 299.33 hours of unplanned unavailability on the 4Q2000 report. These hours resulted in exceeding the Green/White threshold for SI system and placing AFW and RHR on or near the threshold. Additional unavailability hours during 1Q2001 from unreported RHR hours and additional unavailability hours for support system (service water pumps) resulted in the AFW and RHR threshold color change from Green to White. New comment: Planned unavailable hours for 4Q98 through 1Q01 were revised to include additional testing hours identified as a result of an internal review of performance indicator data. Change did not result in a threshold color change.

4Q/00: An old design error was identified in the 4Q2000 (LER 1-00-04) on a support system (service water pumps). Due to bearing water supply to the pumps being unqualified, the pumps were administratively declared inoperable. Having all three pumps inoperable, caused us to enter into Technical Specifications 3.0.c. A Notice Of Enforcement Discretion (NOED) was requested and granted to allow continued operation until a qualified bearing water system could be installed. In particular, qualification of the bearing water supply was lacking with respect to two initiating events: (1) LOOP, and (2) seismic event. Compensatory measures were put in place to increase the likelihood that the bearing water would be supplied in the event of a LOOP or seismic event (during the period of the NOED). At this time, we are conservatively including 299.33 hours of unplanned unavailability to this mitigating system. An FAQ has been submitted to request clarification on reporting requirements for this event. New Comment (7/18/01) Revised the unplanned unavailability hours reported for 4Q2000 based on approval of FAQ 278 on 7/12/2001. This change resulted in a color change from WHITE to GREEN.

2Q/00: The RHR unavailability hours reported in 1Q97 and 2Q2000 (Train 1) and 4Q98 (Train 2) were revised. The pump was declared out of service while preventive maintenance was performed on it's power supply bus. Per guidance provided in FAQ 145, this out of service time is not counted as unavailability time since the refueling pool was flooded as allowed by technical specifications. This change did not result in a threshold color change. the indicator remains Green. New comment (3/8/2001) The planned unavailable hours for 2Q2000 were revised to include previously unreported hours, resulting in a color change from Green to White.

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Safety System Functional Failures	0	0	0	0	2	0	0	1
Indicator value	**3**	**2**	**2**	**0**	**2**	**2**	**2**	**3**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000410	0.000430	0.000470	0.000470	0.000480	0.000500	0.000480	N/A	0.000230	0.000260	0.000390	0.000280
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.000300	0.000320	0.000390	0.000700	0.000360	0.000350	0.000370	0.000370	0.000370	0.000440	0.000420	0.000450
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0	0	0	0	0	0	0	N/A	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	65.0	12.0	2.0	45.0	31.0	41.0	8.0	30.0
Total opportunities	68.0	14.0	2.0	47.0	33.0	47.0	8.0	31.0
Indicator value	**96.2%**	**95.6%**	**95.1%**	**95.5%**	**95.6%**	**94.1%**	**94.0%**	**93.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	76.0	73.0	71.0	69.0	71.0	68.0	66.0	79.0
Total Key personnel	77.0	74.0	76.0	69.0	71.0	68.0	72.0	83.0
Indicator value	**98.7%**	**98.6%**	**93.4%**	**100.0%**	**100.0%**	**100.0%**	**91.7%**	**95.2%**

Licensee Comments:

3Q/01: A change in the 3Q2001 ERO Participation performance indicator data was identified during the review of the 4Q2001 data. This change resulted in an indicator change from 95.1% to 95.2% and did not result in a threshold color change.

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	312	308	306	290	302	299	307	292
Total sirens-tests	312	312	312	312	312	312	312	312
Indicator value	**97.2%**	**98.0%**	**98.4%**	**97.4%**	**96.6%**	**95.9%**	**96.0%**	**96.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
High radiation area occurrences	0	2	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**2**	**2**	**2**	**2**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	7.10	37.03	155.08	112.69	11.89	18.89	55.99	12.57
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.009**	**0.010**	**0.014**	**0.016**	**0.016**	**0.015**	**0.010**	**0.005**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Last Modified: March 26, 2002

Prairie Island 2

4Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	0	1.0	0	0	0	1.0	0	1.0
Critical hours	2184.0	1257.2	2208.0	2209.0	2160.0	1560.7	2208.0	2163.3
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0.9**	**0.9**	**1.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Scrams	0	0	0	0	0	1.0	0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2184.0	1257.2	2208.0	2209.0	2160.0	1560.7	2208.0	2163.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	5.37	3.79	6.30	10.27	20.07	2.02	28.68	28.13
Unplanned unavailable hours	9.10	0	0	15.17	6.53	27.25	4.18	0
Fault exposure hours	340.05	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	16.20	5.23	6.40	5.51	6.18	28.60	8.07	5.35
Unplanned unavailable hours	31.50	0	15.75	1.62	0	199.42	0	17.42
Fault exposure hours	0	0	0	0	0	0	0	8.78
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.5%**	**1.5%**	**1.4%**	**1.5%**	**1.5%**	**1.8%**	**1.9%**	**2.0%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	8.85	33.00	1.87	2.03	140.13	9.23	46.89	1.81
Unplanned unavailable hours	0	14.07	0	27.92	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30
Train 2								
Planned unavailable hours	1.06	20.67	9.20	0.85	1.05	10.79	22.66	14.07
Unplanned unavailable hours	0	0.35	0	7.50	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30
Indicator value	**0.4%**	**0.6%**	**0.5%**	**0.5%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	13.04	8.75	8.63	7.01	145.70	8.79	10.84	6.07
Unplanned unavailable hours	44.05	11.37	0	4.50	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30
Train 2								
Planned unavailable hours	5.72	7.16	7.69	32.85	15.27	13.75	10.73	22.86
Unplanned unavailable hours	0	0.58	0	7.50	0	8.50	13.97	0
Fault exposure hours	0	0	0	0	0	0	390.88	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**1.0%**	**1.1%**	**1.9%**	**1.8%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	8.95	33.84	13.00	14.34	140.23	10.18	72.87	43.88
Unplanned unavailable hours	0	14.07	0	27.92	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.13	21.20	18.60	0.93	1.15	19.83	23.11	24.52
Unplanned unavailable hours	0	0.35	0	7.50	0	23.03	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.8%**	**0.9%**	**1.1%**	**1.2%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Safety System Functional Failures	0	0	0	2	0	0	1	0
Indicator value	**2**	**2**	**0**	**2**	**2**	**2**	**3**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000470	0.000480	0.000500	0.000480	N/A	0.000230	0.000260	0.000390	0.000280	0.000300	0.000320	0.000390
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0.1**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000700	0.000360	0.000350	0.000370	0.000370	0.000370	0.000440	0.000420	0.000450	0.000430	0.000450	0.000450
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0	0	0	0	N/A	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	12.0	2.0	45.0	31.0	41.0	8.0	30.0	44.0
Total opportunities	14.0	2.0	47.0	33.0	47.0	8.0	31.0	49.0
Indicator value	**95.6%**	**95.1%**	**95.5%**	**95.6%**	**94.1%**	**94.0%**	**93.6%**	**92.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	73.0	71.0	69.0	71.0	68.0	66.0	79.0	88.0
Total Key personnel	74.0	76.0	69.0	71.0	68.0	72.0	83.0	90.0
Indicator value	**98.6%**	**93.4%**	**100.0%**	**100.0%**	**100.0%**	**91.7%**	**95.2%**	**97.8%**

Licensee Comments:

3Q/01: A change in the 3Q2001 ERO Participation performance indicator data was identified during the review of the 4Q2001 data. This change resulted in an indicator change from 95.1% to 95.2% and did not result in a threshold color change.

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	308	306	290	302	299	307	292	304
Total sirens-tests	312	312	312	312	312	312	312	312
Indicator value	**98.0%**	**98.4%**	**97.4%**	**96.6%**	**95.9%**	**96.0%**	**96.2%**	**96.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
High radiation area occurrences	2	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**2**	**2**	**2**	**2**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
IDS compensatory hours	37.03	155.08	112.69	11.89	18.89	55.99	12.57	8.11
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.010**	**0.014**	**0.016**	**0.016**	**0.015**	**0.010**	**0.005**	**0.005**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Action Matrix Summary | Reactor Oversight Process

Last Modified: March 15, 2002

Prairie Island 2

1Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned scrams	1.0	0	0	0	1.0	0	1.0	0
Critical hours	1257.2	2208.0	2209.0	2160.0	1560.7	2208.0	2163.3	1506.1
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0.9**	**0.9**	**1.7**	**1.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Scrams	0	0	0	0	1.0	0	1.0	0
Indicator value	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**2.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	1257.2	2208.0	2209.0	2160.0	1560.7	2208.0	2163.3	1506.1
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	3.79	6.30	10.27	20.07	2.02	28.68	28.13	27.43
Unplanned unavailable hours	0	0	15.17	6.53	27.25	4.18	0	10.77
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	5.23	6.40	5.51	6.18	28.60	8.07	5.35	84.24
Unplanned unavailable hours	0	15.75	1.62	0	199.42	0	17.42	62.45
Fault exposure hours	0	0	0	0	0	0	8.78	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.5%**	**1.4%**	**1.5%**	**1.5%**	**1.8%**	**1.9%**	**2.0%**	**2.3%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	33.00	1.87	2.03	140.13	9.23	46.89	1.81	14.95
Unplanned unavailable hours	14.07	0	27.92	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30	1506.10
Train 2								
Planned unavailable hours	20.67	9.20	0.85	1.05	10.79	22.66	14.07	1.20
Unplanned unavailable hours	0.35	0	7.50	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30	1506.10
Indicator value	**0.6%**	**0.5%**	**0.5%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	8.75	8.63	7.01	145.70	8.79	10.84	6.07	14.62
Unplanned unavailable hours	11.37	0	4.50	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30	1506.10
Train 2								
Planned unavailable hours	7.16	7.69	32.85	15.27	13.75	10.73	22.86	14.42
Unplanned unavailable hours	0.58	0	7.50	0	8.50	13.97	0	0
Fault exposure hours	0	0	0	0	0	390.88	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30	1506.10
Indicator value	**0.8%**	**0.8%**	**0.7%**	**1.0%**	**1.1%**	**1.9%**	**1.8%**	**1.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	33.84	13.00	14.34	140.23	10.18	72.87	43.88	7.50
Unplanned unavailable hours	14.07	0	27.92	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	21.20	18.60	0.93	1.15	19.83	23.11	24.52	0.60
Unplanned unavailable hours	0.35	0	7.50	0	23.03	0	0	10.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.8%**	**0.9%**	**1.1%**	**1.2%**	**1.2%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Safety System Functional Failures	0	0	2	0	0	1	0	0
Indicator value	**2**	**0**	**2**	**2**	**2**	**3**	**1**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000480	N/A	0.000230	0.000260	0.000390	0.000280	0.000300	0.000320	0.000390	0.000700	0.000360	0.000350
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**

Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	0.000370	0.000370	0.000370	0.000440	0.000420	0.000450	0.000430	0.000450	0.000450	0.000450	0.000320	0.000220
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0	N/A	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	2.0	45.0	31.0	41.0	8.0	30.0	43.0	14.0
Total opportunities	2.0	47.0	33.0	47.0	8.0	31.0	49.0	15.0
Indicator value	**95.1%**	**95.5%**	**95.6%**	**94.1%**	**94.0%**	**93.6%**	**91.8%**	**92.2%**

Licensee Comments:

4Q/01: A change in the 4Q2001 Drill/Exercise Performance Indicator data was identified during a review of the 4Q2001 data. This resulted in a 4Q2001 DEP indicator change from 92.2% to 91.8% and did not result in a threshold color change.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	71.0	69.0	71.0	68.0	66.0	79.0	88.0	85.0
Total Key personnel	76.0	69.0	71.0	68.0	72.0	83.0	90.0	87.0
Indicator value	**93.4%**	**100.0%**	**100.0%**	**100.0%**	**91.7%**	**95.2%**	**97.8%**	**97.7%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	306	290	302	299	307	292	304	310
Total sirens-tests	312	312	312	312	312	312	312	315
Indicator value	**98.4%**	**97.4%**	**96.6%**	**95.9%**	**96.0%**	**96.2%**	**96.3%**	**97.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**2**	**2**	**2**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
IDS compensatory hours	155.08	112.69	11.89	18.89	55.99	12.57	8.11	13.11
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.014**	**0.016**	**0.016**	**0.015**	**0.010**	**0.005**	**0.005**	**0.005**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: May 1, 2002

Prairie Island 2

2Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned scrams	0	0	0	1.0	0	1.0	0	0
Critical hours	2208.0	2209.0	2160.0	1560.7	2208.0	2163.3	1506.1	2183.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0.9**	**1.7**	**1.9**	**0.9**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Scrams	0	0	0	1.0	0	1.0	0	0
Indicator value	**0**	**0**	**0**	**1.0**	**1.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1560.7	2208.0	2163.3	1506.1	2183.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	6.30	10.27	20.07	2.02	28.68	28.13	27.43	15.73
Unplanned unavailable hours	0	15.17	6.53	27.25	4.18	0	10.77	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	6.40	5.51	6.18	28.60	8.07	5.35	84.24	15.67
Unplanned unavailable hours	15.75	1.62	0	199.42	0	17.42	62.45	0
Fault exposure hours	0	0	0	0	0	8.78	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.4%**	**1.5%**	**1.5%**	**1.8%**	**1.9%**	**2.0%**	**2.3%**	**2.3%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	1.87	2.03	140.13	9.23	46.89	1.81	14.95	7.72
Unplanned unavailable hours	0	27.92	0	0	0	0	0	13.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30	1506.10	2183.00
Train 2								
Planned unavailable hours	9.20	0.85	1.05	10.79	22.66	14.07	1.20	14.48
Unplanned unavailable hours	0	7.50	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30	1506.10	2183.00
Indicator value	**0.5%**	**0.5%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	8.63	7.01	145.70	8.79	10.84	6.07	14.62	5.94
Unplanned unavailable hours	0	4.50	0	0	0	0	0	13.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30	1506.10	2183.00
Train 2								
Planned unavailable hours	7.69	32.85	15.27	13.75	10.73	22.86	14.42	6.46
Unplanned unavailable hours	0	7.50	0	8.50	13.97	0	0	0
Fault exposure hours	0	0	0	0	390.88	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30	1506.10	2183.00
Indicator value	**0.8%**	**0.7%**	**1.0%**	**1.1%**	**1.9%**	**1.8%**	**1.9%**	**1.8%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	13.00	14.34	140.23	10.18	72.87	43.88	7.50	8.20
Unplanned unavailable hours	0	27.92	0	0	0	0	0	13.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	18.60	0.93	1.15	19.83	23.11	24.52	0.60	14.48
Unplanned unavailable hours	0	7.50	0	23.03	0	0	10.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.6%**	**0.6%**	**0.8%**	**0.9%**	**1.1%**	**1.2%**	**1.2%**	**1.2%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Safety System Functional Failures	0	2	0	0	1	0	0	0
Indicator value	**0**	**2**	**2**	**2**	**3**	**1**	**1**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/00**	**8/00**	**9/00**	**10/00**	**11/00**	**12/00**	**1/01**	**2/01**	**3/01**	**4/01**	**5/01**	**6/01**
Maximum activity	0.000260	0.000390	0.000280	0.000300	0.000320	0.000390	0.000700	0.000360	0.000350	0.000370	0.000370	0.000370
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/01**	**8/01**	**9/01**	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**
Maximum activity	0.000440	0.000420	0.000450	0.000430	0.000450	0.000450	0.000450	0.000320	0.000220	0.000220	0.000240	0.000260
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	45.0	31.0	41.0	8.0	30.0	43.0	14.0	35.0
Total opportunities	47.0	33.0	47.0	8.0	31.0	49.0	15.0	39.0
Indicator value	**95.5%**	**95.6%**	**94.1%**	**94.0%**	**93.6%**	**91.8%**	**92.2%**	**91.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Participating Key personnel	69.0	71.0	68.0	66.0	79.0	88.0	85.0	89.0
Total Key personnel	69.0	71.0	68.0	72.0	83.0	90.0	87.0	90.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**91.7%**	**95.2%**	**97.8%**	**97.7%**	**98.9%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful siren-tests	290	302	299	307	292	304	310	304
Total sirens-tests	312	312	312	312	312	312	315	315
Indicator value	**97.4%**	**96.6%**	**95.9%**	**96.0%**	**96.2%**	**96.3%**	**97.0%**	**96.5%**

Licensee Comments: none

Notes

Occupational Exposure Control Effectiveness	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
IDS compensatory hours	112.69	11.89	18.89	55.99	12.57	8.11	13.11	8.94
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.016**	**0.016**	**0.015**	**0.010**	**0.005**	**0.005**	**0.005**	**0.002**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: July 31, 2002

Prairie Island 2

3Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	0	0	1.0	0	1.0	0	0	0
Critical hours	2209.0	2160.0	1560.7	2208.0	2163.3	1506.1	2183.0	2208.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**1.7**	**1.9**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Scrams	0	0	1.0	0	1.0	0	0	0
Indicator value	**0**	**0**	**1.0**	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	2160.0	1560.7	2208.0	2163.3	1506.1	2183.0	2208.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	10.27	20.07	2.02	28.68	28.13	27.43	15.73	3.55
Unplanned unavailable hours	15.17	6.53	27.25	4.18	0	10.77	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.51	6.18	28.60	8.07	5.35	84.24	15.67	1.42
Unplanned unavailable hours	1.62	0	199.42	0	17.42	62.45	0	0
Fault exposure hours	0	0	0	0	8.78	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**1.5%**	**1.5%**	**1.8%**	**1.9%**	**2.0%**	**2.3%**	**2.3%**	**2.3%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**
Train 1								
Planned unavailable hours	2.03	140.13	9.23	46.89	1.81	14.95	7.72	9.17
Unplanned unavailable hours	27.92	0	0	0	0	0	13.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1560.70	2208.00	2163.30	1506.10	2183.00	2208.00
Train 2								
Planned unavailable hours	0.85	1.05	10.79	22.66	14.07	1.20	14.48	2.69
Unplanned unavailable hours	7.50	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1560.70	2208.00	2163.30	1506.10	2183.00	2208.00
Indicator value	**0.5%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	7.01	145.70	8.79	10.84	6.07	14.62	5.94	7.25
Unplanned unavailable hours	4.50	0	0	0	0	0	13.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1560.70	2208.00	2163.30	1506.10	2183.00	2208.00
Train 2								
Planned unavailable hours	32.85	15.27	13.75	10.73	22.86	14.42	6.46	3.24
Unplanned unavailable hours	7.50	0	8.50	13.97	0	0	0	0
Fault exposure hours	0	0	0	390.88	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1560.70	2208.00	2163.30	1506.10	2183.00	2208.00
Indicator value	**0.7%**	**1.0%**	**1.1%**	**1.9%**	**1.8%**	**1.9%**	**1.8%**	**1.8%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	14.34	140.23	10.18	72.87	43.88	7.50	8.20	15.35
Unplanned unavailable hours	27.92	0	0	0	0	0	13.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.93	1.15	19.83	23.11	24.52	0.60	14.48	16.74
Unplanned unavailable hours	7.50	0	23.03	0	0	10.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.6%**	**0.8%**	**0.9%**	**1.1%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Safety System Functional Failures	2	0	0	1	0	0	0	0
Indicator value	**2**	**2**	**2**	**3**	**1**	**1**	**1**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/00**	**11/00**	**12/00**	**1/01**	**2/01**	**3/01**	**4/01**	**5/01**	**6/01**	**7/01**	**8/01**	**9/01**
Maximum activity	0.000300	0.000320	0.000390	0.000700	0.000360	0.000350	0.000370	0.000370	0.000370	0.000440	0.000420	0.000450
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**
Maximum activity	0.000430	0.000450	0.000450	0.000450	0.000320	0.000220	0.000220	0.000240	0.000260	0.000260	0.000340	0.000280
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	31.0	41.0	8.0	30.0	43.0	14.0	35.0	39.0
Total opportunities	33.0	47.0	8.0	31.0	49.0	15.0	39.0	39.0
Indicator value	**95.6%**	**94.1%**	**94.0%**	**93.6%**	**91.8%**	**92.2%**	**91.8%**	**92.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Participating Key personnel	71.0	68.0	66.0	79.0	88.0	85.0	89.0	100.0
Total Key personnel	71.0	68.0	72.0	83.0	90.0	87.0	90.0	101.0
Indicator value	**100.0%**	**100.0%**	**91.7%**	**95.2%**	**97.8%**	**97.7%**	**98.9%**	**99.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	302	299	307	292	304	310	304	303
Total sirens-tests	312	312	312	312	312	315	315	315
Indicator value	**96.6%**	**95.9%**	**96.0%**	**96.2%**	**96.3%**	**97.0%**	**96.5%**	**97.1%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
High radiation area occurrences	0	0	0	0	0	0	0	1
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
IDS compensatory hours	11.89	18.89	55.99	12.57	8.11	13.11	8.94	10.12
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.016**	**0.015**	**0.010**	**0.005**	**0.005**	**0.005**	**0.002**	**0.002**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: October 22, 2002

Prairie Island 2

4Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned scrams	0	1.0	0	1.0	0	0	0	0
Critical hours	2160.0	1560.7	2208.0	2163.3	1506.1	2183.0	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.7**	**1.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Scrams	0	1.0	0	1.0	0	0	0	0
Indicator value	**0**	**1.0**	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2160.0	1560.7	2208.0	2163.3	1506.1	2183.0	2208.0	2209.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	20.07	2.02	28.68	28.13	27.43	15.73	3.55	4.15
Unplanned unavailable hours	6.53	27.25	4.18	0	10.77	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	6.18	28.60	8.07	5.35	84.24	15.67	1.42	14.60
Unplanned unavailable hours	0	199.42	0	17.42	62.45	0	0	0
Fault exposure hours	0	0	0	8.78	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.5%**	**1.8%**	**1.9%**	**2.0%**	**2.3%**	**2.3%**	**2.3%**	**2.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	140.13	9.23	46.89	1.81	14.95	7.72	9.17	0
Unplanned unavailable hours	0	0	0	0	0	13.40	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1560.70	2208.00	2163.30	1506.10	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.05	10.79	22.66	14.07	1.20	14.48	2.69	13.62
Unplanned unavailable hours	0	0	0	0	0	0	0	17.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1560.70	2208.00	2163.30	1506.10	2183.00	2208.00	2209.00
Indicator value	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	145.70	8.79	10.84	6.07	14.62	5.94	7.25	1.52
Unplanned unavailable hours	0	0	0	0	0	13.40	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1560.70	2208.00	2163.30	1506.10	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	15.27	13.75	10.73	22.86	14.42	6.46	3.24	5.70
Unplanned unavailable hours	0	8.50	13.97	0	0	0	0	17.10
Fault exposure hours	0	0	390.88	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1560.70	2208.00	2163.30	1506.10	2183.00	2208.00	2209.00
Indicator value	**1.0%**	**1.1%**	**1.9%**	**1.8%**	**1.9%**	**1.8%**	**1.8%**	**1.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	140.23	10.18	72.87	43.88	7.50	8.20	15.35	3.27
Unplanned unavailable hours	0	0	0	0	0	13.40	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.15	19.83	23.11	24.52	0.60	14.48	16.74	17.43
Unplanned unavailable hours	0	23.03	0	0	10.80	0	0	17.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.8%**	**0.9%**	**1.1%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	**2**	**2**	**3**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000700	0.000360	0.000350	0.000370	0.000370	0.000370	0.000440	0.000420	0.000450	0.000430	0.000450	0.000450
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.000450	0.000320	0.000220	0.000220	0.000240	0.000260	0.000260	0.000340	0.000280	0.000290	0.000330	0.000310
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	41.0	8.0	30.0	43.0	14.0	35.0	39.0	34.0
Total opportunities	47.0	8.0	31.0	49.0	15.0	39.0	39.0	36.0
Indicator value	**94.1%**	**94.0%**	**93.6%**	**91.8%**	**92.2%**	**91.8%**	**92.3%**	**92.4%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	68.0	66.0	79.0	88.0	85.0	89.0	100.0	99.0
Total Key personnel	68.0	72.0	83.0	90.0	87.0	90.0	101.0	99.0
Indicator value	**100.0%**	**91.7%**	**95.2%**	**97.8%**	**97.7%**	**98.9%**	**99.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful siren-tests	299	307	292	304	310	304	303	308
Total sirens-tests	312	312	312	312	315	315	315	315
Indicator value	**95.9%**	**96.0%**	**96.2%**	**96.3%**	**97.0%**	**96.5%**	**97.1%**	**97.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
High radiation area occurrences	0	0	0	0	0	0	1	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
IDS compensatory hours	18.89	55.99	12.57	8.11	13.11	8.94	10.12	4.69
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.015**	**0.010**	**0.005**	**0.005**	**0.005**	**0.002**	**0.002**	**0.002**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: January 30, 2003

Prairie Island 2

1Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	1.0	0	1.0	0	0	0	0	0
Critical hours	1560.7	2208.0	2163.3	1506.1	2183.0	2208.0	2209.0	2160.0
Indicator value	**0.9**	**0.9**	**1.7**	**1.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Scrams	1.0	0	1.0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1560.7	2208.0	2163.3	1506.1	2183.0	2208.0	2209.0	2160.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	2.02	28.68	28.13	27.43	15.73	3.55	4.15	18.25
Unplanned unavailable hours	27.25	4.18	0	10.77	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	28.60	8.07	5.35	84.24	15.67	1.42	14.60	0
Unplanned unavailable hours	199.42	0	17.42	62.45	0	0	0	0
Fault exposure hours	0	0	8.78	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.8%**	**1.9%**	**2.0%**	**2.3%**	**2.3%**	**2.3%**	**2.1%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	9.23	46.89	1.81	14.95	7.72	9.17	0	13.91
Unplanned unavailable hours	0	0	0	0	13.40	0	0	17.68
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1560.70	2208.00	2163.30	1506.10	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	10.79	22.66	14.07	1.20	14.48	2.69	13.62	3.33
Unplanned unavailable hours	0	0	0	0	0	0	17.10	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1560.70	2208.00	2163.30	1506.10	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**1.0%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	8.79	10.84	6.07	14.62	5.94	7.25	1.52	3.44
Unplanned unavailable hours	0	0	0	0	13.40	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1560.70	2208.00	2163.30	1506.10	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	13.75	10.73	22.86	14.42	6.46	3.24	5.70	0.82
Unplanned unavailable hours	8.50	13.97	0	0	0	0	17.10	0
Fault exposure hours	0	390.88	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1560.70	2208.00	2163.30	1506.10	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.1%**	**1.9%**	**1.8%**	**1.9%**	**1.8%**	**1.8%**	**1.9%**	**1.7%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	10.18	72.87	43.88	7.50	8.20	15.35	3.27	13.43
Unplanned unavailable hours	0	0	0	0	13.40	0	0	17.68
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	19.83	23.11	24.52	0.60	14.48	16.74	17.43	3.31
Unplanned unavailable hours	23.03	0	0	10.80	0	0	17.10	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.9%**	**1.1%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	**2**	**3**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/01**	**5/01**	**6/01**	**7/01**	**8/01**	**9/01**	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**
Maximum activity	0.000370	0.000370	0.000370	0.000440	0.000420	0.000450	0.000430	0.000450	0.000450	0.000450	0.000320	0.000220
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**
Maximum activity	0.000220	0.000240	0.000260	0.000260	0.000340	0.000280	0.000290	0.000330	0.000310	0.000330	0.000320	0.000330
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	8.0	30.0	43.0	14.0	35.0	39.0	34.0	28.0
Total opportunities	8.0	31.0	49.0	15.0	39.0	39.0	36.0	29.0
Indicator value	**94.0%**	**93.6%**	**91.8%**	**92.2%**	**91.8%**	**92.3%**	**92.4%**	**93.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Participating Key personnel	66.0	79.0	88.0	85.0	89.0	100.0	99.0	94.0
Total Key personnel	72.0	83.0	90.0	87.0	90.0	101.0	99.0	95.0
Indicator value	**91.7%**	**95.2%**	**97.8%**	**97.7%**	**98.9%**	**99.0%**	**100.0%**	**98.9%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful siren-tests	307	292	304	310	304	303	308	314
Total sirens-tests	312	312	312	315	315	315	315	315
Indicator value	**96.0%**	**96.2%**	**96.3%**	**97.0%**	**96.5%**	**97.1%**	**97.2%**	**97.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
High radiation area occurrences	0	0	0	0	0	1	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
IDS compensatory hours	55.99	12.57	8.11	13.11	8.94	10.12	4.69	10.87
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.010**	**0.005**	**0.005**	**0.005**	**0.002**	**0.002**	**0.002**	**0.002**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 22, 2003

Prairie Island 2

2Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	2163.3	1506.1	2183.0	2208.0	2209.0	2160.0	2183.0
Indicator value	**0.9**	**1.7**	**1.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Scrams	0	1.0	0	0	0	0	0	0
Indicator value	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2163.3	1506.1	2183.0	2208.0	2209.0	2160.0	2183.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	28.68	28.13	27.43	15.73	3.55	4.15	18.25	0
Unplanned unavailable hours	4.18	0	10.77	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	8.07	5.35	84.24	15.67	1.42	14.60	0	0
Unplanned unavailable hours	0	17.42	62.45	0	0	0	0	0
Fault exposure hours	0	8.78	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.9%**	**2.0%**	**2.3%**	**2.3%**	**2.3%**	**2.1%**	**1.4%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	46.89	1.81	14.95	7.72	9.17	0	13.91	7.65
Unplanned unavailable hours	0	0	0	13.40	0	0	17.68	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2163.30	1506.10	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	22.66	14.07	1.20	14.48	2.69	13.62	3.33	11.55
Unplanned unavailable hours	0	0	0	0	0	17.10	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2163.30	1506.10	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**1.0%**	**1.0%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	10.84	6.07	14.62	5.94	7.25	1.52	3.44	4.27
Unplanned unavailable hours	0	0	0	13.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2163.30	1506.10	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	10.73	22.86	14.42	6.46	3.24	5.70	0.82	7.32
Unplanned unavailable hours	13.97	0	0	0	0	17.10	0	0
Fault exposure hours	390.88	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2163.30	1506.10	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.9%**	**1.8%**	**1.9%**	**1.8%**	**1.8%**	**1.9%**	**1.7%**	**1.6%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	72.87	43.88	7.50	8.20	15.35	3.27	13.43	9.33
Unplanned unavailable hours	0	0	0	13.40	0	0	17.68	5.95
Fault exposure hours	0	0	0	0	0	0	0	1.00
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	23.11	24.52	0.60	14.48	16.74	17.43	3.31	13.35
Unplanned unavailable hours	0	0	10.80	0	0	17.10	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.1%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.2%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	**3**	**1**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/01**	**8/01**	**9/01**	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**
Maximum activity	0.000440	0.000420	0.000450	0.000430	0.000450	0.000450	0.000450	0.000320	0.000220	0.000220	0.000240	0.000260
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**
Maximum activity	0.000260	0.000340	0.000280	0.000290	0.000330	0.000310	0.000330	0.000320	0.000330	0.000370	0.000350	0.000360
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/01**	**8/01**	**9/01**	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	30.0	43.0	14.0	35.0	39.0	34.0	28.0	26.0
Total opportunities	31.0	49.0	15.0	39.0	39.0	36.0	29.0	27.0
Indicator value	**93.6%**	**91.8%**	**92.2%**	**91.8%**	**92.3%**	**92.4%**	**93.9%**	**94.0%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Participating Key personnel	79.0	88.0	85.0	89.0	100.0	99.0	94.0	98.0
Total Key personnel	83.0	90.0	87.0	90.0	101.0	99.0	95.0	98.0
Indicator value	**95.2%**	**97.8%**	**97.7%**	**98.9%**	**99.0%**	**100.0%**	**98.9%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	292	304	310	304	303	308	314	312
Total sirens-tests	312	312	315	315	315	315	315	315
Indicator value	**96.2%**	**96.3%**	**97.0%**	**96.5%**	**97.1%**	**97.2%**	**97.5%**	**98.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
High radiation area occurrences	0	0	0	0	1	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
IDS compensatory hours	12.57	8.11	13.11	8.94	10.12	4.69	10.87	10.81
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.005**	**0.005**	**0.005**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: July 22, 2003

Prairie Island 2

3Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2163.3	1506.1	2183.0	2208.0	2209.0	2160.0	2183.0	1774.0
Indicator value	**1.7**	**1.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Scrams	1.0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2163.3	1506.1	2183.0	2208.0	2209.0	2160.0	2183.0	1774.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	28.13	27.43	15.73	3.55	4.15	18.25	0	0
Unplanned unavailable hours	0	10.77	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.35	84.24	15.67	1.42	14.60	0	0	0
Unplanned unavailable hours	17.42	62.45	0	0	0	0	0	0
Fault exposure hours	8.78	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**2.0%**	**2.3%**	**2.3%**	**2.3%**	**2.1%**	**1.4%**	**1.4%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	1.81	14.95	7.72	9.17	0	13.91	7.65	23.33
Unplanned unavailable hours	0	0	13.40	0	0	17.68	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2163.30	1506.10	2183.00	2208.00	2209.00	2160.00	2183.00	1774.00
Train 2								
Planned unavailable hours	14.07	1.20	14.48	2.69	13.62	3.33	11.55	5.74
Unplanned unavailable hours	0	0	0	0	17.10	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2163.30	1506.10	2183.00	2208.00	2209.00	2160.00	2183.00	1774.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	6.07	14.62	5.94	7.25	1.52	3.44	4.27	4.25
Unplanned unavailable hours	0	0	13.40	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2163.30	1506.10	2183.00	2208.00	2209.00	2160.00	2183.00	1774.00
Train 2								
Planned unavailable hours	22.86	14.42	6.46	3.24	5.70	0.82	7.32	0.93
Unplanned unavailable hours	0	0	0	0	17.10	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2163.30	1506.10	2183.00	2208.00	2209.00	2160.00	2183.00	1774.00
Indicator value	**1.8%**	**1.9%**	**1.8%**	**1.8%**	**1.9%**	**1.7%**	**1.6%**	**1.7%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	43.88	7.50	8.20	15.35	3.27	13.43	9.33	32.93
Unplanned unavailable hours	0	0	13.40	0	0	17.68	5.95	0
Fault exposure hours	0	0	0	0	0	0	1.00	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	24.52	0.60	14.48	16.74	17.43	3.31	13.35	10.75
Unplanned unavailable hours	0	10.80	0	0	17.10	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.2%**	**1.2%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**
Maximum activity	0.000430	0.000450	0.000450	0.000450	0.000320	0.000220	0.000220	0.000240	0.000260	0.000260	0.000340	0.000280
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**
Maximum activity	0.000290	0.000330	0.000310	0.000330	0.000320	0.000330	0.000370	0.000350	0.000360	0.000380	0.000370	0.000320
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	43.0	14.0	35.0	39.0	34.0	28.0	26.0	24.0
Total opportunities	49.0	15.0	39.0	39.0	36.0	29.0	27.0	27.0
Indicator value	**91.8%**	**92.2%**	**91.8%**	**92.3%**	**92.4%**	**93.9%**	**94.0%**	**93.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Participating Key personnel	88.0	85.0	89.0	100.0	99.0	94.0	98.0	95.0
Total Key personnel	90.0	87.0	90.0	101.0	99.0	95.0	98.0	100.0
Indicator value	**97.8%**	**97.7%**	**98.9%**	**99.0%**	**100.0%**	**98.9%**	**100.0%**	**95.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	304	310	304	303	308	314	312	315
Total sirens-tests	312	315	315	315	315	315	315	315
Indicator value	**96.3%**	**97.0%**	**96.5%**	**97.1%**	**97.2%**	**97.5%**	**98.2%**	**99.1%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
High radiation area occurrences	0	0	0	1	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
IDS compensatory hours	8.11	13.11	8.94	10.12	4.69	10.87	10.81	7.84
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.005**	**0.005**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Program failures	0	0	0	0	0	0	0	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: October 22, 2003

Prairie Island 2

4Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1506.1	2183.0	2208.0	2209.0	2160.0	2183.0	1774.0	2003.6
Indicator value	**1.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	1506.1	2183.0	2208.0	2209.0	2160.0	2183.0	1774.0	2003.6
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	27.43	15.73	3.55	4.15	18.25	0	0	0
Unplanned unavailable hours	10.77	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	84.24	15.67	1.42	14.60	0	0	0	0
Unplanned unavailable hours	62.45	0	0	0	0	0	0	30.02
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**2.3%**	**2.3%**	**2.3%**	**2.1%**	**1.4%**	**1.4%**	**1.3%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**
Train 1								
Planned unavailable hours	14.95	7.72	9.17	0	13.91	7.65	23.33	0.25
Unplanned unavailable hours	0	13.40	0	0	17.68	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1506.10	2183.00	2208.00	2209.00	2160.00	2183.00	1774.00	2003.60
Train 2								
Planned unavailable hours	1.20	14.48	2.69	13.62	3.33	11.55	5.74	16.32
Unplanned unavailable hours	0	0	0	17.10	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1506.10	2183.00	2208.00	2209.00	2160.00	2183.00	1774.00	2003.60
Indicator value	**0.9%**	**0.9%**	**0.9%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	14.62	5.94	7.25	1.52	3.44	4.27	4.25	2.52
Unplanned unavailable hours	0	13.40	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1506.10	2183.00	2208.00	2209.00	2160.00	2183.00	1774.00	2003.60
Train 2								
Planned unavailable hours	14.42	6.46	3.24	5.70	0.82	7.32	0.93	59.37
Unplanned unavailable hours	0	0	0	17.10	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1506.10	2183.00	2208.00	2209.00	2160.00	2183.00	1774.00	2003.60
Indicator value	**1.9%**	**1.8%**	**1.8%**	**1.9%**	**1.7%**	**1.6%**	**1.7%**	**1.7%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	7.50	8.20	15.35	3.27	13.43	9.33	32.93	3.81
Unplanned unavailable hours	0	13.40	0	0	17.68	5.95	0	34.25
Fault exposure hours	0	0	0	0	0	1.00	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0.60	14.48	16.74	17.43	3.31	13.35	10.75	21.74
Unplanned unavailable hours	10.80	0	0	17.10	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.2%**	**1.2%**	**1.2%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.000450	0.000320	0.000220	0.000220	0.000240	0.000260	0.000260	0.000340	0.000280	0.000290	0.000330	0.000310
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum activity	0.000330	0.000320	0.000330	0.000370	0.000350	0.000360	0.000380	0.000370	0.000320	0.000180	0.000190	0.000210
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	14.0	35.0	39.0	34.0	28.0	26.0	24.0	27.0
Total opportunities	15.0	39.0	39.0	36.0	29.0	27.0	27.0	29.0
Indicator value	**92.2%**	**91.8%**	**92.3%**	**92.4%**	**93.9%**	**94.0%**	**93.1%**	**94.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	85.0	89.0	100.0	99.0	94.0	98.0	95.0	102.0
Total Key personnel	87.0	90.0	101.0	99.0	95.0	98.0	100.0	105.0
Indicator value	**97.7%**	**98.9%**	**99.0%**	**100.0%**	**98.9%**	**100.0%**	**95.0%**	**97.1%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	310	304	303	308	314	312	315	1152
Total sirens-tests	315	315	315	315	315	315	315	1155
Indicator value	**97.0%**	**96.5%**	**97.1%**	**97.2%**	**97.5%**	**98.2%**	**99.1%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
High radiation area occurrences	0	0	1	0	0	0	0	1
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**1**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
IDS compensatory hours	13.11	8.94	10.12	4.69	10.87	10.81	7.84	0.63
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.005**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Program failures	0	0	0	0	0	0	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: January 23, 2004

Prairie Island 2

1Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	2183.0	1774.0	2003.6	2184.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	2183.0	1774.0	2003.6	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	15.73	3.55	4.15	18.25	0	0	0	29.78
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	15.67	1.42	14.60	0	0	0	0	16.30
Unplanned unavailable hours	0	0	0	0	0	0	30.02	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**2.3%**	**2.3%**	**2.1%**	**1.4%**	**1.4%**	**1.3%**	**1.3%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	7.72	9.17	0	13.91	7.65	23.33	0.25	14.80
Unplanned unavailable hours	13.40	0	0	17.68	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	1774.00	2003.60	2184.00
Train 2								
Planned unavailable hours	14.48	2.69	13.62	3.33	11.55	5.74	16.32	5.50
Unplanned unavailable hours	0	0	17.10	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	1774.00	2003.60	2184.00
Indicator value	**0.9%**	**0.9%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	5.94	7.25	1.52	3.44	4.27	4.25	2.52	16.97
Unplanned unavailable hours	13.40	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	1774.00	2003.60	2184.00
Train 2								
Planned unavailable hours	6.46	3.24	5.70	0.82	7.32	0.93	59.37	0.87
Unplanned unavailable hours	0	0	17.10	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	1774.00	2003.60	2184.00
Indicator value	**1.8%**	**1.8%**	**1.9%**	**1.7%**	**1.6%**	**1.7%**	**1.7%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	8.20	15.35	3.27	13.43	9.33	32.93	3.81	16.88
Unplanned unavailable hours	13.40	0	0	17.68	5.95	0	34.25	0
Fault exposure hours	0	0	0	0	1.00	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	14.48	16.74	17.43	3.31	13.35	10.75	21.74	7.00
Unplanned unavailable hours	0	0	17.10	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.2%**	**1.2%**	**1.2%**	**1.0%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**
Maximum activity	0.000220	0.000240	0.000260	0.000260	0.000340	0.000280	0.000290	0.000330	0.000310	0.000330	0.000320	0.000330
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum activity	0.000370	0.000350	0.000360	0.000380	0.000370	0.000320	0.000180	0.000190	0.000210	0.000240	0.000220	0.000230
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful opportunities	35.0	39.0	34.0	28.0	26.0	24.0	27.0	18.0
Total opportunities	39.0	39.0	36.0	29.0	27.0	27.0	29.0	19.0
Indicator value	**91.8%**	**92.3%**	**92.4%**	**93.9%**	**94.0%**	**93.1%**	**94.2%**	**94.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Participating Key personnel	89.0	100.0	99.0	94.0	98.0	95.0	102.0	101.0
Total Key personnel	90.0	101.0	99.0	95.0	98.0	100.0	105.0	104.0
Indicator value	**98.9%**	**99.0%**	**100.0%**	**98.9%**	**100.0%**	**95.0%**	**97.1%**	**97.1%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful siren-tests	304	303	308	314	312	315	1152	1354
Total sirens-tests	315	315	315	315	315	315	1155	1365
Indicator value	**96.5%**	**97.1%**	**97.2%**	**97.5%**	**98.2%**	**99.1%**	**99.7%**	**99.5%**

Licensee Comments:

4Q/03: The siren testing program (silent tests & wail tests) has not changed. Beginning the last week of October 2003, the results of the silent tests are now included in this PI.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
High radiation area occurrences	0	1	0	0	0	0	1	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
IDS compensatory hours	8.94	10.12	4.69	10.87	10.81	7.84	0.63	247.04
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	**0.014**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Program failures	0	0	0	0	0	1	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 22, 2004

Prairie Island 2

2Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	1774.0	2003.6	2184.0	2183.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	1774.0	2003.6	2184.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	3.55	4.15	18.25	0	0	0	29.78	13.52
Unplanned unavailable hours	0	0	0	0	0	0	0	111.28
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	1.42	14.60	0	0	0	0	16.30	0
Unplanned unavailable hours	0	0	0	0	0	30.02	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**2.3%**	**2.1%**	**1.4%**	**1.4%**	**1.3%**	**1.3%**	**1.3%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	9.17	0	13.91	7.65	23.33	0.25	14.80	9.72
Unplanned unavailable hours	0	0	17.68	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	1774.00	2003.60	2184.00	2183.00
Train 2								
Planned unavailable hours	2.69	13.62	3.33	11.55	5.74	16.32	5.50	4.55
Unplanned unavailable hours	0	17.10	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	1774.00	2003.60	2184.00	2183.00
Indicator value	**0.9%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	7.25	1.52	3.44	4.27	4.25	2.52	16.97	6.32
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	1774.00	2003.60	2184.00	2183.00
Train 2								
Planned unavailable hours	3.24	5.70	0.82	7.32	0.93	59.37	0.87	7.58
Unplanned unavailable hours	0	17.10	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	1774.00	2003.60	2184.00	2183.00
Indicator value	**1.8%**	**1.9%**	**1.7%**	**1.6%**	**1.7%**	**1.7%**	**1.4%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	15.35	3.27	13.43	9.33	32.93	3.81	16.88	12.69
Unplanned unavailable hours	0	0	17.68	5.95	0	34.25	0	0
Fault exposure hours	0	0	0	1.00	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	16.74	17.43	3.31	13.35	10.75	21.74	7.00	6.80
Unplanned unavailable hours	0	17.10	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**1.2%**	**1.2%**	**1.3%**	**1.2%**	**1.2%**	**1.2%**	**1.0%**	**1.0%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.000260	0.000340	0.000280	0.000290	0.000330	0.000310	0.000330	0.000320	0.000330	0.000370	0.000350	0.000360
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.000380	0.000370	0.000320	0.000180	0.000190	0.000210	0.000240	0.000220	0.000230	0.000220	0.000230	0.000250
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	39.0	34.0	28.0	26.0	24.0	27.0	18.0	27.0
Total opportunities	39.0	36.0	29.0	27.0	27.0	29.0	19.0	33.0
Indicator value	**92.3%**	**92.4%**	**93.9%**	**94.0%**	**93.1%**	**94.2%**	**94.3%**	**93.3%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	100.0	99.0	94.0	98.0	95.0	102.0	101.0	101.0
Total Key personnel	101.0	99.0	95.0	98.0	100.0	105.0	104.0	103.0
Indicator value	**99.0%**	**100.0%**	**98.9%**	**100.0%**	**95.0%**	**97.1%**	**97.1%**	**98.1%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful siren-tests	303	308	314	312	315	1152	1354	1363
Total sirens-tests	315	315	315	315	315	1155	1365	1365
Indicator value	**97.1%**	**97.2%**	**97.5%**	**98.2%**	**99.1%**	**99.7%**	**99.5%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
High radiation area occurrences	1	0	0	0	0	1	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**0**	**1**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Prairie Island 2

3Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	2183.0	1774.0	2003.6	2184.0	2183.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2160.0	2183.0	1774.0	2003.6	2184.0	2183.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	4.15	18.25	0	0	0	29.78	13.52	1.77
Unplanned unavailable hours	0	0	0	0	0	0	111.28	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	14.60	0	0	0	0	16.30	0	14.75
Unplanned unavailable hours	0	0	0	0	30.02	0	0	29.05
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**2.1%**	**1.4%**	**1.4%**	**1.3%**	**1.3%**	**1.3%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	13.91	7.65	23.33	0.25	14.80	9.72	21.65
Unplanned unavailable hours	0	17.68	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	1774.00	2003.60	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	13.62	3.33	11.55	5.74	16.32	5.50	4.55	20.71
Unplanned unavailable hours	17.10	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	1774.00	2003.60	2184.00	2183.00	2208.00
Indicator value	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	1.52	3.44	4.27	4.25	2.52	16.97	6.32	13.08
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	1774.00	2003.60	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.70	0.82	7.32	0.93	59.37	0.87	7.58	8.27
Unplanned unavailable hours	17.10	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	1774.00	2003.60	2184.00	2183.00	2208.00
Indicator value	**1.9%**	**1.7%**	**1.6%**	**1.7%**	**1.7%**	**1.4%**	**1.3%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	3.27	13.43	9.33	32.93	3.81	16.88	12.69	18.32
Unplanned unavailable hours	0	17.68	5.95	0	34.25	0	0	0
Fault exposure hours	0	0	1.00	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	17.43	3.31	13.35	10.75	21.74	7.00	6.80	22.34
Unplanned unavailable hours	17.10	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**1.2%**	**1.3%**	**1.2%**	**1.2%**	**1.2%**	**1.0%**	**1.0%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**
Maximum activity	0.000290	0.000330	0.000310	0.000330	0.000320	0.000330	0.000370	0.000350	0.000360	0.000380	0.000370	0.000320
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum activity	0.000180	0.000190	0.000210	0.000240	0.000220	0.000230	0.000220	0.000230	0.000250	0.000260	0.000250	0.000270
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	34.0	28.0	26.0	24.0	27.0	18.0	27.0	30.0
Total opportunities	36.0	29.0	27.0	27.0	29.0	19.0	33.0	32.0
Indicator value	**92.4%**	**93.9%**	**94.0%**	**93.1%**	**94.2%**	**94.3%**	**93.3%**	**92.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	99.0	94.0	98.0	95.0	102.0	101.0	101.0	101.0
Total Key personnel	99.0	95.0	98.0	100.0	105.0	104.0	103.0	103.0
Indicator value	**100.0%**	**98.9%**	**100.0%**	**95.0%**	**97.1%**	**97.1%**	**98.1%**	**98.1%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	308	314	312	315	1152	1354	1363	1332
Total sirens-tests	315	315	315	315	1155	1365	1365	1365
Indicator value	**97.2%**	**97.5%**	**98.2%**	**99.1%**	**99.7%**	**99.5%**	**99.6%**	**99.1%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
High radiation area occurrences	0	0	0	0	1	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**0**	**1**	**1**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: October 25, 2004

Prairie Island 2

4Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	1774.0	2003.6	2184.0	2183.0	2208.0	2171.8
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**1.0**	**1.0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	0	0	1.0	0	0	0	1.0
Critical hours	2160.0	2183.0	1774.0	2003.6	2184.0	2183.0	2208.0	2171.8
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	18.25	0	0	0	29.78	13.52	1.77	1.98
Unplanned unavailable hours	0	0	0	0	0	111.28	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	0	0	16.30	0	14.75	13.17
Unplanned unavailable hours	0	0	0	30.02	0	0	29.05	7.63
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**1.4%**	**1.4%**	**1.3%**	**1.3%**	**1.3%**	**1.1%**	**1.1%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	13.91	7.65	23.33	0.25	14.80	9.72	21.65	0.30
Unplanned unavailable hours	17.68	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	1774.00	2003.60	2184.00	2183.00	2208.00	2171.80
Train 2								
Planned unavailable hours	3.33	11.55	5.74	16.32	5.50	4.55	20.71	4.28
Unplanned unavailable hours	0	0	0	0	0	0	0	2.22
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	1774.00	2003.60	2184.00	2183.00	2208.00	2171.80
Indicator value	**1.0%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	3.44	4.27	4.25	2.52	16.97	6.32	13.08	1.05
Unplanned unavailable hours	0	0	0	0	0	0	0	7.22
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	1774.00	2003.60	2184.00	2183.00	2208.00	2171.80
Train 2								
Planned unavailable hours	0.82	7.32	0.93	59.37	0.87	7.58	8.27	4.85
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	1774.00	2003.60	2184.00	2183.00	2208.00	2171.80
Indicator value	**1.7%**	**1.6%**	**1.7%**	**1.7%**	**1.4%**	**1.3%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	13.43	9.33	32.93	3.81	16.88	12.69	18.32	3.18
Unplanned unavailable hours	17.68	5.95	0	34.25	0	0	0	0
Fault exposure hours	0	1.00	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	3.31	13.35	10.75	21.74	7.00	6.80	22.34	8.10
Unplanned unavailable hours	0	0	0	0	0	0	0	2.22
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**1.3%**	**1.2%**	**1.2%**	**1.2%**	**1.0%**	**1.0%**	**0.8%**	**0.7%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**
Maximum activity	0.000330	0.000320	0.000330	0.000370	0.000350	0.000360	0.000380	0.000370	0.000320	0.000180	0.000190	0.000210
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**
Maximum activity	0.000240	0.000220	0.000230	0.000220	0.000230	0.000250	0.000260	0.000250	0.000270	0.000290	0.000290	0.000280
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	28.0	26.0	24.0	27.0	18.0	27.0	30.0	10.0
Total opportunities	29.0	27.0	27.0	29.0	19.0	33.0	32.0	10.0
Indicator value	**93.9%**	**94.0%**	**93.1%**	**94.2%**	**94.3%**	**93.3%**	**92.2%**	**92.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	94.0	98.0	95.0	102.0	101.0	101.0	101.0	96.0
Total Key personnel	95.0	98.0	100.0	105.0	104.0	103.0	103.0	100.0
Indicator value	**98.9%**	**100.0%**	**95.0%**	**97.1%**	**97.1%**	**98.1%**	**98.1%**	**96.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	314	312	315	1152	1354	1363	1332	1361
Total sirens-tests	315	315	315	1155	1365	1365	1365	1365
Indicator value	**97.5%**	**98.2%**	**99.1%**	**99.7%**	**99.5%**	**99.6%**	**99.1%**	**99.1%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
High radiation area occurrences	0	0	0	1	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: March 9, 2005

Prairie Island 2

1Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	1774.0	2003.6	2184.0	2183.0	2208.0	2171.8	2122.6
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**1.0**	**1.0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	0	0	1.0	0	0	0	1.0	1.0
Critical hours	2183.0	1774.0	2003.6	2184.0	2183.0	2208.0	2171.8	2122.6
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	0	0	0	29.78	13.52	1.77	1.98	114.57
Unplanned unavailable hours	0	0	0	0	111.28	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	0	0	16.30	0	14.75	13.17	0
Unplanned unavailable hours	0	0	30.02	0	0	29.05	7.63	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.4%**	**1.3%**	**1.3%**	**1.3%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	7.65	23.33	0.25	14.80	9.72	21.65	0.30	11.22
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	1774.00	2003.60	2184.00	2183.00	2208.00	2171.80	2122.60
Train 2								
Planned unavailable hours	11.55	5.74	16.32	5.50	4.55	20.71	4.28	8.19
Unplanned unavailable hours	0	0	0	0	0	0	2.22	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	1774.00	2003.60	2184.00	2183.00	2208.00	2171.80	2122.60
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	4.27	4.25	2.52	16.97	6.32	13.08	1.05	18.35
Unplanned unavailable hours	0	0	0	0	0	0	7.22	7.58
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	1774.00	2003.60	2184.00	2183.00	2208.00	2171.80	2122.60
Train 2								
Planned unavailable hours	7.32	0.93	59.37	0.87	7.58	8.27	4.85	2.75
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	1774.00	2003.60	2184.00	2183.00	2208.00	2171.80	2122.60
Indicator value	**1.6%**	**1.7%**	**1.7%**	**1.4%**	**1.3%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	9.33	32.93	3.81	16.88	12.69	18.32	3.18	16.51
Unplanned unavailable hours	5.95	0	34.25	0	0	0	0	0
Fault exposure hours	1.00	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	13.35	10.75	21.74	7.00	6.80	22.34	8.10	14.03
Unplanned unavailable hours	0	0	0	0	0	0	2.22	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.2%**	**1.2%**	**1.2%**	**1.0%**	**1.0%**	**0.8%**	**0.7%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum activity	0.000370	0.000350	0.000360	0.000380	0.000370	0.000320	0.000180	0.000190	0.000210	0.000240	0.000220	0.000230
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum activity	0.000220	0.000230	0.000250	0.000260	0.000250	0.000270	0.000290	0.000290	0.000280	0.000310	0.000290	0.000270
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	26.0	24.0	27.0	18.0	27.0	30.0	10.0	33.0
Total opportunities	27.0	27.0	29.0	19.0	33.0	32.0	10.0	34.0
Indicator value	**94.0%**	**93.1%**	**94.2%**	**94.3%**	**93.3%**	**92.2%**	**92.2%**	**92.4%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	98.0	95.0	102.0	101.0	101.0	101.0	96.0	100.0
Total Key personnel	98.0	100.0	105.0	104.0	103.0	103.0	100.0	101.0
Indicator value	**100.0%**	**95.0%**	**97.1%**	**97.1%**	**98.1%**	**98.1%**	**96.0%**	**99.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful siren-tests	312	315	1152	1354	1363	1332	1361	1356
Total sirens-tests	315	315	1155	1365	1365	1365	1365	1365
Indicator value	**98.2%**	**99.1%**	**99.7%**	**99.5%**	**99.6%**	**99.1%**	**99.1%**	**99.1%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
High radiation area occurrences	0	0	1	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**0**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: June 17, 2005

Prairie Island 2

2Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1774.0	2003.6	2184.0	2183.0	2208.0	2171.8	2122.6	800.6
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**1.0**	**1.0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	1.0	0	0	0	1.0	1.0	1.0
Critical hours	1774.0	2003.6	2184.0	2183.0	2208.0	2171.8	2122.6	800.6
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.6**	**2.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	0	0	29.78	13.52	1.77	1.98	114.57	0
Unplanned unavailable hours	0	0	0	111.28	0	0	0	140.62
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	0	16.30	0	14.75	13.17	0	0
Unplanned unavailable hours	0	30.02	0	0	29.05	7.63	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.3%**	**1.3%**	**1.3%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	23.33	0.25	14.80	9.72	21.65	0.30	11.22	3.65
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1774.00	2003.60	2184.00	2183.00	2208.00	2171.80	2122.60	800.59
Train 2								
Planned unavailable hours	5.74	16.32	5.50	4.55	20.71	4.28	8.19	1.69
Unplanned unavailable hours	0	0	0	0	0	2.22	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1774.00	2003.60	2184.00	2183.00	2208.00	2171.80	2122.60	800.59
Indicator value	**0.9%**	**0.9%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	4.25	2.52	16.97	6.32	13.08	1.05	18.35	3.80
Unplanned unavailable hours	0	0	0	0	0	7.22	7.58	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1774.00	2003.60	2184.00	2183.00	2208.00	2171.80	2122.60	800.59
Train 2								
Planned unavailable hours	0.93	59.37	0.87	7.58	8.27	4.85	2.75	0.82
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1774.00	2003.60	2184.00	2183.00	2208.00	2171.80	2122.60	800.59
Indicator value	**1.7%**	**1.7%**	**1.4%**	**1.3%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	32.93	3.81	16.88	12.69	18.32	3.18	16.51	4.90
Unplanned unavailable hours	0	34.25	0	0	0	0	0	4.26
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	10.75	21.74	7.00	6.80	22.34	8.10	14.03	7.27
Unplanned unavailable hours	0	0	0	0	0	2.22	0	43.36
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.2%**	**1.2%**	**1.0%**	**1.0%**	**0.8%**	**0.7%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**
Maximum activity	0.000380	0.000370	0.000320	0.000180	0.000190	0.000210	0.000240	0.000220	0.000230	0.000220	0.000230	0.000250
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**
Maximum activity	0.000260	0.000250	0.000270	0.000290	0.000290	0.000280	0.000310	0.000290	0.000270	0.000430	N/A	0.000310
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	24.0	27.0	18.0	27.0	30.0	10.0	33.0	10.0
Total opportunities	27.0	29.0	19.0	33.0	32.0	10.0	34.0	10.0
Indicator value	**93.1%**	**94.2%**	**94.3%**	**93.3%**	**92.2%**	**92.2%**	**92.4%**	**92.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Participating Key personnel	95.0	102.0	101.0	101.0	101.0	96.0	100.0	150.0
Total Key personnel	100.0	105.0	104.0	103.0	103.0	100.0	101.0	158.0
Indicator value	**95.0%**	**97.1%**	**97.1%**	**98.1%**	**98.1%**	**96.0%**	**99.0%**	**94.9%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	315	1152	1354	1363	1332	1361	1356	1357
Total sirens-tests	315	1155	1365	1365	1365	1365	1365	1404
Indicator value	**99.1%**	**99.7%**	**99.5%**	**99.6%**	**99.1%**	**99.1%**	**99.1%**	**98.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
High radiation area occurrences	0	1	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 3, 2005

Prairie Island 2

3Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2003.6	2184.0	2183.0	2208.0	2171.8	2122.6	800.6	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	1.0	0	0	0	1.0	1.0	1.0	0
Critical hours	2003.6	2184.0	2183.0	2208.0	2171.8	2122.6	800.6	2208.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.6**	**2.9**	**2.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0	29.78	13.52	1.77	1.98	114.57	0	13.28
Unplanned unavailable hours	0	0	111.28	0	0	0	140.62	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	16.30	0	14.75	13.17	0	0	0
Unplanned unavailable hours	30.02	0	0	29.05	7.63	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**1.3%**	**1.3%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0.25	14.80	9.72	21.65	0.30	11.22	3.65	2.49
Unplanned unavailable hours	0	0	0	0	0	0	0	22.18
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2003.60	2184.00	2183.00	2208.00	2171.80	2122.60	800.59	2208.00
Train 2								
Planned unavailable hours	16.32	5.50	4.55	20.71	4.28	8.19	1.69	16.92
Unplanned unavailable hours	0	0	0	0	2.22	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2003.60	2184.00	2183.00	2208.00	2171.80	2122.60	800.59	2208.00
Indicator value	**0.9%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.6%**

Licensee Comments:

3Q/05: (July 2005) Train 1 Cooling Water (support system), 23.48 hours of T/2 fault exposure hours.

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	2.52	16.97	6.32	13.08	1.05	18.35	3.80	22.22
Unplanned unavailable hours	0	0	0	0	7.22	7.58	0	22.18
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2003.60	2184.00	2183.00	2208.00	2171.80	2122.60	800.59	2208.00
Train 2								
Planned unavailable hours	59.37	0.87	7.58	8.27	4.85	2.75	0.82	18.47
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2003.60	2184.00	2183.00	2208.00	2171.80	2122.60	800.59	2208.00
Indicator value	**1.7%**	**1.4%**	**1.3%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.6%**

Licensee Comments:

3Q/05: (July 2005) Train 1 Cooling Water (support system), 23.48 hours of T/2 fault exposure hours.

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	3.81	16.88	12.69	18.32	3.18	16.51	4.90	5.66
Unplanned unavailable hours	34.25	0	0	0	0	0	4.26	22.18
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	21.74	7.00	6.80	22.34	8.10	14.03	7.27	19.47
Unplanned unavailable hours	0	0	0	0	2.22	0	43.36	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**1.2%**	**1.0%**	**1.0%**	**0.8%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments:

3Q/05: (July 2005) Train 1 Cooling Water (support system), 23.48 hours of T/2 fault exposure hours.

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.000180	0.000190	0.000210	0.000240	0.000220	0.000230	0.000220	0.000230	0.000250	0.000260	0.000250	0.000270
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum activity	0.000290	0.000290	0.000280	0.000310	0.000290	0.000270	0.000430	N/A	0.000310	0.000210	0.000270	0.000210
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	27.0	18.0	27.0	30.0	10.0	33.0	10.0	26.0
Total opportunities	29.0	19.0	33.0	32.0	10.0	34.0	10.0	30.0
Indicator value	**94.2%**	**94.3%**	**93.3%**	**92.2%**	**92.2%**	**92.4%**	**92.3%**	**91.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	102.0	101.0	101.0	101.0	96.0	100.0	150.0	157.0
Total Key personnel	105.0	104.0	103.0	103.0	100.0	101.0	158.0	160.0
Indicator value	**97.1%**	**97.1%**	**98.1%**	**98.1%**	**96.0%**	**99.0%**	**94.9%**	**98.1%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	1152	1354	1363	1332	1361	1356	1357	1397
Total sirens-tests	1155	1365	1365	1365	1365	1365	1404	1404
Indicator value	**99.7%**	**99.5%**	**99.6%**	**99.1%**	**99.1%**	**99.1%**	**98.3%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
High radiation area occurrences	1	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: November 3, 2005

Prairie Island 2

4Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2183.0	2208.0	2171.8	2122.6	800.6	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	0	0	0	1.0	1.0	1.0	0	0
Critical hours	2184.0	2183.0	2208.0	2171.8	2122.6	800.6	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**1.6**	**2.9**	**2.9**	**1.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	29.78	13.52	1.77	1.98	114.57	0	13.28	0
Unplanned unavailable hours	0	111.28	0	0	0	140.62	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	16.30	0	14.75	13.17	0	0	0	0
Unplanned unavailable hours	0	0	29.05	7.63	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.3%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**1.1%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	14.80	9.72	21.65	0.30	11.22	3.65	2.49	2.83
Unplanned unavailable hours	0	0	0	0	0	0	22.18	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2171.80	2122.60	800.59	2208.00	2209.00
Train 2								
Planned unavailable hours	5.50	4.55	20.71	4.28	8.19	1.69	16.92	21.54
Unplanned unavailable hours	0	0	0	2.22	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2171.80	2122.60	800.59	2208.00	2209.00
Indicator value	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	16.97	6.32	13.08	1.05	18.35	3.80	22.22	2.50
Unplanned unavailable hours	0	0	0	7.22	7.58	0	22.18	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2171.80	2122.60	800.59	2208.00	2209.00
Train 2								
Planned unavailable hours	0.87	7.58	8.27	4.85	2.75	0.82	18.47	11.72
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2171.80	2122.60	800.59	2208.00	2209.00
Indicator value	**1.4%**	**1.3%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.6%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	16.88	12.69	18.32	3.18	16.51	4.90	5.66	6.43
Unplanned unavailable hours	0	0	0	0	0	4.26	22.18	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	7.00	6.80	22.34	8.10	14.03	7.27	19.47	21.54
Unplanned unavailable hours	0	0	0	2.22	0	43.36	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.0%**	**1.0%**	**0.8%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**
Maximum activity	0.000240	0.000220	0.000230	0.000220	0.000230	0.000250	0.000260	0.000250	0.000270	0.000290	0.000290	0.000280
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum activity	0.000310	0.000290	0.000270	0.000430	N/A	0.000310	0.000210	0.000270	0.000210	0.000210	0.000250	0.000250
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	18.0	27.0	30.0	10.0	33.0	10.0	26.0	40.0
Total opportunities	19.0	33.0	32.0	10.0	34.0	10.0	30.0	41.0
Indicator value	**94.3%**	**93.3%**	**92.2%**	**92.2%**	**92.4%**	**92.3%**	**91.9%**	**92.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	101.0	101.0	101.0	96.0	100.0	150.0	157.0	156.0
Total Key personnel	104.0	103.0	103.0	100.0	101.0	158.0	160.0	162.0
Indicator value	**97.1%**	**98.1%**	**98.1%**	**96.0%**	**99.0%**	**94.9%**	**98.1%**	**96.3%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	1354	1363	1332	1361	1356	1357	1397	1437
Total sirens-tests	1365	1365	1365	1365	1365	1404	1404	1443
Indicator value	**99.5%**	**99.6%**	**99.1%**	**99.1%**	**99.1%**	**98.3%**	**98.8%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: January 30, 2006

Prairie Island 2

1Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2171.8	2122.6	800.6	2208.0	2209.0	1806.1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	0	0	1.0	1.0	1.0	0	0	1.0
Critical hours	2183.0	2208.0	2171.8	2122.6	800.6	2208.0	2209.0	1806.1
Indicator value	**0.9**	**0.8**	**0.8**	**1.6**	**2.9**	**2.9**	**1.9**	**2.0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	13.52	1.77	1.98	114.57	0	13.28	0	0
Unplanned unavailable hours	111.28	0	0	0	140.62	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	14.75	13.17	0	0	0	0	96.56
Unplanned unavailable hours	0	29.05	7.63	0	0	0	0	72.03
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**1.1%**	**1.1%**	**1.1%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	9.72	21.65	0.30	11.22	3.65	2.49	2.83	19.22
Unplanned unavailable hours	0	0	0	0	0	22.18	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2171.80	2122.60	800.59	2208.00	2209.00	1806.10
Train 2								
Planned unavailable hours	4.55	20.71	4.28	8.19	1.69	16.92	21.54	1.15
Unplanned unavailable hours	0	0	2.22	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2171.80	2122.60	800.59	2208.00	2209.00	1806.10
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	6.32	13.08	1.05	18.35	3.80	22.22	2.50	9.20
Unplanned unavailable hours	0	0	7.22	7.58	0	22.18	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2171.80	2122.60	800.59	2208.00	2209.00	1806.10
Train 2								
Planned unavailable hours	7.58	8.27	4.85	2.75	0.82	18.47	11.72	2.65
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2171.80	2122.60	800.59	2208.00	2209.00	1806.10
Indicator value	**1.3%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.6%**	**0.5%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	12.69	18.32	3.18	16.51	4.90	5.66	6.43	19.22
Unplanned unavailable hours	0	0	0	0	4.26	22.18	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	6.80	22.34	8.10	14.03	7.27	19.47	21.54	0.87
Unplanned unavailable hours	0	0	2.22	0	43.36	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.0%**	**0.8%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum activity	0.000220	0.000230	0.000250	0.000260	0.000250	0.000270	0.000290	0.000290	0.000280	0.000310	0.000290	0.000270
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum activity	0.000430	N/A	0.000310	0.000210	0.000270	0.000210	0.000210	0.000250	0.000250	0.000270	0.000250	0.000260
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	27.0	30.0	10.0	33.0	10.0	26.0	40.0	20.0
Total opportunities	33.0	32.0	10.0	34.0	10.0	30.0	41.0	20.0
Indicator value	**93.3%**	**92.2%**	**92.2%**	**92.4%**	**92.3%**	**91.9%**	**92.8%**	**93.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	101.0	101.0	96.0	100.0	150.0	157.0	156.0	155.0
Total Key personnel	103.0	103.0	100.0	101.0	158.0	160.0	162.0	161.0
Indicator value	**98.1%**	**98.1%**	**96.0%**	**99.0%**	**94.9%**	**98.1%**	**96.3%**	**96.3%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	1363	1332	1361	1356	1357	1397	1437	1439
Total sirens-tests	1365	1365	1365	1365	1404	1404	1443	1443
Indicator value	**99.6%**	**99.1%**	**99.1%**	**99.1%**	**98.3%**	**98.8%**	**98.8%**	**98.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: May 5, 2006

Prairie Island 2

2Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2171.8	2122.6	800.6	2208.0	2209.0	1806.1	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	0	1.0	1.0	1.0	0	0	1.0	0
Critical hours	2208.0	2171.8	2122.6	800.6	2208.0	2209.0	1806.1	2183.0
Indicator value	**0.8**	**0.8**	**1.6**	**2.9**	**2.9**	**1.9**	**2.0**	**0.8**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								9.10E-08
URI (ΔCDF)								3.70E-07
PLE								NO
Indicator value								**4.61E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-7.70E-09
URI (ΔCDF)								-1.70E-08
PLE								NO
Indicator value								**-2.47E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								5.40E-09
URI (ΔCDF)								-1.70E-07
PLE								NO
Indicator value								**-1.65E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								2.50E-08
URI (ΔCDF)								-1.40E-07
PLE								NO
Indicator value								**-1.15E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								1.20E-08
URI (ΔCDF)								-1.90E-07
PLE								NO
Indicator value								**-1.78E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**
Maximum activity	0.000260	0.000250	0.000270	0.000290	0.000290	0.000280	0.000310	0.000290	0.000270	0.000430	N/A	0.000310
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**

Reactor Coolant System Activity	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum activity	0.000210	0.000270	0.000210	0.000210	0.000250	0.000250	0.000270	0.000250	0.000260	0.000480	0.000260	0.000270
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful opportunities	30.0	10.0	33.0	10.0	26.0	40.0	20.0	133.0
Total opportunities	32.0	10.0	34.0	10.0	30.0	41.0	20.0	136.0
Indicator value	**92.2%**	**92.2%**	**92.4%**	**92.3%**	**91.9%**	**92.8%**	**93.3%**	**96.5%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	101.0	96.0	100.0	150.0	157.0	156.0	155.0	160.0
Total Key personnel	103.0	100.0	101.0	158.0	160.0	162.0	161.0	168.0
Indicator value	**98.1%**	**96.0%**	**99.0%**	**94.9%**	**98.1%**	**96.3%**	**96.3%**	**95.2%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful siren-tests	1332	1361	1356	1357	1397	1437	1439	1434
Total sirens-tests	1365	1365	1365	1404	1404	1443	1443	1443
Indicator value	**99.1%**	**99.1%**	**99.1%**	**98.3%**	**98.8%**	**98.8%**	**98.9%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 2, 2006

Prairie Island 2

3Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2171.8	2122.6	800.6	2208.0	2209.0	1806.1	2183.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	1.0	1.0	1.0	0	0	1.0	0	0
Critical hours	2171.8	2122.6	800.6	2208.0	2209.0	1806.1	2183.0	2208.0
Indicator value	**0.8**	**1.6**	**2.9**	**2.9**	**1.9**	**2.0**	**0.8**	**0.8**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							9.10E-08	8.90E-08
URI (ΔCDF)							3.70E-07	3.70E-07
PLE							NO	NO
Indicator value							**4.61E-07**	**4.59E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-7.70E-09	-7.70E-09
URI (ΔCDF)							-1.70E-08	-1.70E-08
PLE							NO	NO
Indicator value							**-2.47E-08**	**-2.47E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							5.40E-09	1.70E-09
URI (ΔCDF)							-1.70E-07	-1.70E-07
PLE							NO	NO
Indicator value							**-1.65E-07**	**-1.68E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							2.50E-08	2.00E-08
URI (ΔCDF)							-1.40E-07	-1.20E-07
PLE							NO	NO
Indicator value							**-1.15E-07**	**-1.00E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							1.20E-08	-5.60E-09
URI (ΔCDF)							-7.50E-08	-7.70E-08
PLE							NO	NO
Indicator value							**-6.30E-08**	**-8.26E-08**

Licensee Comments:

3Q/06: Revised 3Q2005 Operational Non-Test reliability data for 21 CC Pump. This change did not result in an indicator color change.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum activity	0.000290	0.000290	0.000280	0.000310	0.000290	0.000270	0.000430	N/A	0.000310	0.000210	0.000270	0.000210
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum activity	0.000210	0.000250	0.000250	0.000270	0.000250	0.000260	0.000480	0.000260	0.000270	0.000290	0.000400	0.000310
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	10.0	33.0	10.0	26.0	40.0	20.0	133.0	52.0
Total opportunities	10.0	34.0	10.0	30.0	41.0	20.0	136.0	54.0
Indicator value	**92.2%**	**92.4%**	**92.3%**	**91.9%**	**92.8%**	**93.3%**	**96.5%**	**96.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	96.0	100.0	150.0	157.0	155.0	155.0	160.0	163.0
Total Key personnel	100.0	101.0	158.0	160.0	162.0	162.0	168.0	168.0
Indicator value	**96.0%**	**99.0%**	**94.9%**	**98.1%**	**95.7%**	**95.7%**	**95.2%**	**97.0%**

Licensee Comments:

3Q/06: Revised 4Q2005 and 1Q2006 ERO Drill Participation data. These changes did not result in an indicator color change.

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	1361	1356	1357	1397	1437	1439	1434	1462
Total sirens-tests	1365	1365	1404	1404	1443	1443	1443	1482
Indicator value	**99.1%**	**99.1%**	**98.3%**	**98.8%**	**98.8%**	**98.9%**	**99.5%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: November 6, 2006

Prairie Island 2

4Q/2006 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2122.6	800.6	2208.0	2209.0	1806.1	2183.0	2208.0	1506.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	1.0	1.0	0	0	1.0	0	0	0
Critical hours	2122.6	800.6	2208.0	2209.0	1806.1	2183.0	2208.0	1506.3
Indicator value	**1.6**	**2.9**	**2.9**	**1.9**	**2.0**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						9.10E-08	8.90E-08	8.20E-08
URI (ΔCDF)						3.70E-07	3.70E-07	3.70E-07
PLE						NO	NO	NO
Indicator value						**4.61E-07**	**4.59E-07**	**4.52E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						-7.70E-09	-7.70E-09	-7.70E-09
URI (ΔCDF)						-1.70E-08	-1.70E-08	-1.70E-08
PLE						NO	NO	NO
Indicator value						**-2.47E-08**	**-2.47E-08**	**-2.47E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						5.40E-09	1.70E-09	3.60E-09
URI (ΔCDF)						-1.70E-07	-1.70E-07	-1.50E-07
PLE						NO	NO	NO
Indicator value						**-1.65E-07**	**-1.68E-07**	**-1.46E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						2.50E-08	2.00E-08	-1.50E-08
URI (ΔCDF)						-1.40E-07	-1.20E-07	-1.30E-07
PLE						NO	NO	NO
Indicator value						**-1.15E-07**	**-1.00E-07**	**-1.45E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						2.00E-08	1.10E-09	4.00E-08
URI (ΔCDF)						-7.50E-08	-7.70E-08	-8.20E-08
PLE						NO	NO	NO
Indicator value						**-5.50E-08**	**-7.59E-08**	**-4.20E-08**

Licensee Comments:

4Q/06: Changed PRA Parameter(s). (1) Revised the planned and unplanned baseline values, and the previously submitted planned and unplanned unavailability for 121 Cooling Water segment due to incorrectly counting the unavailability times. These changes did not result in an indicator color change.

3Q/06: Changed PRA Parameter(s).

2Q/06: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum activity	0.000310	0.000290	0.000270	0.000430	N/A	0.000310	0.000210	0.000270	0.000210	0.000210	0.000250	0.000250
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum activity	0.000270	0.000250	0.000260	0.000480	0.000260	0.000270	0.000290	0.000400	0.000310	0.000600	0.000400	0.000130
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	33.0	10.0	26.0	40.0	20.0	133.0	52.0	7.0
Total opportunities	34.0	10.0	30.0	41.0	20.0	136.0	54.0	7.0
Indicator value	**92.4%**	**92.3%**	**91.9%**	**92.8%**	**93.3%**	**96.5%**	**96.7%**	**96.7%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	100.0	150.0	157.0	155.0	155.0	160.0	163.0	163.0
Total Key personnel	101.0	158.0	160.0	162.0	162.0	168.0	168.0	169.0
Indicator value	**99.0%**	**94.9%**	**98.1%**	**95.7%**	**95.7%**	**95.2%**	**97.0%**	**96.4%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	1356	1357	1397	1437	1439	1434	1462	1477
Total sirens-tests	1365	1404	1404	1443	1443	1443	1482	1482
Indicator value	**99.1%**	**98.3%**	**98.8%**	**98.8%**	**98.9%**	**99.5%**	**99.3%**	**99.4%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Prairie Island 2

1Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	800.6	2208.0	2209.0	1806.1	2183.0	2208.0	1506.3	1991.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	1.0	0	0	1.0	0	0	0	0
Critical hours	800.6	2208.0	2209.0	1806.1	2183.0	2208.0	1506.3	1991.4
Indicator value	**2.9**	**2.9**	**1.9**	**2.0**	**0.8**	**0.8**	**0.9**	**0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					9.10E-08	8.90E-08	8.20E-08	8.30E-08
URI (ΔCDF)					3.70E-07	3.70E-07	3.70E-07	3.70E-07
PLE					NO	NO	NO	NO
Indicator value					**4.61E-07**	**4.59E-07**	**4.52E-07**	**4.53E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-7.70E-09	-7.70E-09	-7.70E-09	-6.40E-09
URI (ΔCDF)					-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
PLE					NO	NO	NO	NO
Indicator value					**-2.47E-08**	**-2.47E-08**	**-2.47E-08**	**-2.34E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					5.40E-09	1.70E-09	3.60E-09	-2.90E-09
URI (ΔCDF)					-1.70E-07	-1.70E-07	-1.50E-07	-1.50E-07
PLE					NO	NO	NO	NO
Indicator value					**-1.65E-07**	**-1.68E-07**	**-1.46E-07**	**-1.53E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					2.50E-08	2.00E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)					-1.40E-07	-1.20E-07	-1.30E-07	-1.50E-07
PLE					NO	NO	NO	NO
Indicator value					**-1.15E-07**	**-1.00E-07**	**-1.45E-07**	**-1.65E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					2.00E-08	1.10E-09	4.00E-08	4.10E-08
URI (ΔCDF)					-7.50E-08	-7.70E-08	-8.20E-08	-8.40E-08
PLE					NO	NO	NO	NO
Indicator value					**-5.50E-08**	**-7.59E-08**	**-4.20E-08**	**-4.30E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum activity	0.000430	N/A	0.000310	0.000210	0.000270	0.000210	0.000210	0.000250	0.000250	0.000270	0.000250	0.000260
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum activity	0.000480	0.000260	0.000270	0.000290	0.000400	0.000310	0.000600	0.000400	0.000130	0.000150	0.000160	0.000150
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	10.0	26.0	40.0	20.0	133.0	53.0	7.0	58.0
Total opportunities	10.0	30.0	41.0	20.0	136.0	55.0	7.0	58.0
Indicator value	**92.3%**	**91.9%**	**92.8%**	**93.3%**	**96.5%**	**96.7%**	**96.7%**	**97.2%**

Licensee Comments:

1Q/07: July 2006 3rd quarter revised with no effect on indicator color

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	150.0	157.0	155.0	155.0	160.0	163.0	161.0	159.0
Total Key personnel	158.0	160.0	162.0	162.0	168.0	168.0	168.0	167.0
Indicator value	**94.9%**	**98.1%**	**95.7%**	**95.7%**	**95.2%**	**97.0%**	**95.8%**	**95.2%**

Licensee Comments:

1Q/07: December 2006 4th quarter revised with no effect on indicator color

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	1357	1397	1437	1440	1434	1462	1477	1477
Total sirens-tests	1404	1404	1443	1443	1443	1482	1482	1482
Indicator value	**98.3%**	**98.8%**	**98.8%**	**98.9%**	**99.6%**	**99.3%**	**99.4%**	**99.3%**

Licensee Comments:

1Q/07: March 2006 1st quarter revised with no effect on indicator color

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: June 1, 2007

Prairie Island 2

2Q/2007 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	2209.0	1806.1	2183.0	2208.0	1506.3	1991.4	2123.1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	1.0	0	0	0	0	1.0
Critical hours	2208.0	2209.0	1806.1	2183.0	2208.0	1506.3	1991.4	2123.1
Indicator value	**2.9**	**1.9**	**2.0**	**0.8**	**0.8**	**0.9**	**0**	**0.9**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				9.10E-08	8.90E-08	8.20E-08	8.30E-08	5.80E-08
URI (ΔCDF)				3.70E-07	3.70E-07	3.70E-07	3.70E-07	5.50E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**4.61E-07**	**4.59E-07**	**4.52E-07**	**4.53E-07**	**6.08E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-7.70E-09	-7.70E-09	-7.70E-09	-6.40E-09	-6.40E-09
URI (ΔCDF)				-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-2.47E-08**	**-2.47E-08**	**-2.47E-08**	**-2.34E-08**	**-2.34E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				5.40E-09	1.70E-09	3.60E-09	-2.90E-09	7.40E-09
URI (ΔCDF)				-1.70E-07	-1.70E-07	-1.50E-07	-1.50E-07	-1.60E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-1.65E-07**	**-1.68E-07**	**-1.46E-07**	**-1.53E-07**	**-1.53E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				2.50E-08	2.00E-08	-1.50E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)				-1.40E-07	-1.20E-07	-1.30E-07	-1.50E-07	-1.50E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-1.15E-07**	**-1.00E-07**	**-1.45E-07**	**-1.65E-07**	**-1.65E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				2.00E-08	1.10E-09	4.00E-08	4.10E-08	2.80E-08
URI (ΔCDF)				-7.50E-08	-7.70E-08	-8.20E-08	-8.40E-08	-9.70E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-5.50E-08**	**-7.59E-08**	**-4.20E-08**	**-4.30E-08**	**-6.90E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum activity	0.000210	0.000270	0.000210	0.000210	0.000250	0.000250	0.000270	0.000250	0.000260	0.000480	0.000260	0.000270
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum activity	0.000290	0.000400	0.000310	0.000600	0.000400	0.000130	0.000150	0.000160	0.000150	0.000160	0.000170	0.000190
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	26.0	40.0	20.0	133.0	53.0	7.0	58.0	33.0
Total opportunities	30.0	41.0	20.0	136.0	55.0	7.0	58.0	34.0
Indicator value	**91.9%**	**92.8%**	**93.3%**	**96.5%**	**96.7%**	**96.7%**	**97.2%**	**97.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	157.0	155.0	155.0	160.0	163.0	161.0	159.0	157.0
Total Key personnel	160.0	162.0	162.0	168.0	168.0	168.0	167.0	165.0
Indicator value	**98.1%**	**95.7%**	**95.7%**	**95.2%**	**97.0%**	**95.8%**	**95.2%**	**95.2%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	1397	1437	1440	1434	1462	1477	1477	1478
Total sirens-tests	1404	1443	1443	1443	1482	1482	1482	1482
Indicator value	**98.8%**	**98.8%**	**98.9%**	**99.6%**	**99.3%**	**99.4%**	**99.3%**	**99.4%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
High radiation area occurrences	0	0	0	0	0	1	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 6, 2007

Prairie Island 2

3Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2209.0	1806.1	2183.0	2208.0	1506.3	1991.4	2123.1	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	1.0	0	0	0	0	1.0	0
Critical hours	2209.0	1806.1	2183.0	2208.0	1506.3	1991.4	2123.1	2208.0
Indicator value	**1.9**	**2.0**	**0.8**	**0.8**	**0.9**	**0**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Scrams with complications					0	0	1.0	0
Indicator value								**1.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			9.10E-08	8.90E-08	8.20E-08	8.30E-08	5.80E-08	4.90E-08
URI (ΔCDF)			3.70E-07	3.70E-07	3.70E-07	3.70E-07	5.50E-07	-2.60E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**4.61E-07**	**4.59E-07**	**4.52E-07**	**4.53E-07**	**6.08E-07**	**2.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-7.70E-09	-7.70E-09	-7.70E-09	-6.40E-09	-6.40E-09	-2.30E-09
URI (ΔCDF)			-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-2.47E-08**	**-2.47E-08**	**-2.47E-08**	**-2.34E-08**	**-2.34E-08**	**-1.93E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			5.40E-09	1.70E-09	3.60E-09	-2.90E-09	7.40E-09	-4.00E-09
URI (ΔCDF)			-1.60E-07	-1.60E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.55E-07**	**-1.58E-07**	**-1.36E-07**	**-1.43E-07**	**-1.33E-07**	**-1.44E-07**

Licensee Comments:

3Q/07: Revised reliability data previously submitted for the 4th quarter 2004, and 1st and 2nd quarter 2005. This change did not result in an indicator color change.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			2.50E-08	2.00E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)			-1.40E-07	-1.20E-07	-1.30E-07	-1.50E-07	-1.50E-07	-1.50E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.15E-07**	**-1.00E-07**	**-1.45E-07**	**-1.65E-07**	**-1.65E-07**	**-1.65E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			2.00E-08	1.10E-09	4.00E-08	4.10E-08	2.80E-08	2.10E-08
URI (ΔCDF)			-7.50E-08	-7.70E-08	-8.20E-08	-8.40E-08	-9.70E-08	-9.90E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-5.50E-08**	**-7.59E-08**	**-4.20E-08**	**-4.30E-08**	**-6.90E-08**	**-7.80E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum activity	0.000210	0.000250	0.000250	0.000270	0.000250	0.000260	0.000480	0.000260	0.000270	0.000290	0.000400	0.000310
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum activity	0.000600	0.000400	0.000130	0.000150	0.000160	0.000150	0.000160	0.000170	0.000190	0.000190	0.000190	0.000190
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	40.0	20.0	133.0	53.0	7.0	58.0	33.0	47.0
Total opportunities	41.0	20.0	136.0	55.0	7.0	58.0	34.0	51.0
Indicator value	**92.8%**	**93.3%**	**96.5%**	**96.7%**	**96.7%**	**97.2%**	**97.1%**	**97.3%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	155.0	155.0	160.0	163.0	161.0	159.0	157.0	159.0
Total Key personnel	162.0	162.0	168.0	168.0	168.0	167.0	165.0	163.0
Indicator value	**95.7%**	**95.7%**	**95.2%**	**97.0%**	**95.8%**	**95.2%**	**95.2%**	**97.5%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	1437	1440	1434	1462	1469	1464	1465	1514
Total sirens-tests	1443	1443	1443	1482	1482	1482	1482	1521
Indicator value	**98.8%**	**98.9%**	**99.6%**	**99.3%**	**99.2%**	**99.0%**	**98.9%**	**99.1%**

Licensee Comments:

2Q/07: Successful siren test corrected for Jan, Feb and Mar 2007. No effect on inidcator color.

1Q/07: March 2006 1st quarter revised with no effect on indicator color. Successful siren test corrected for Jan, Feb and Mar 2007. No effect on inidcator color.

4Q/06: Successful siren test corrected for Nov and Dec 2006. No color change

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
High radiation area occurrences	0	0	0	0	1	0	0	0
Very high radiation area occurrences	0	0	1	0	1	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**3**	**3**	**2**	**2**

Licensee Comments:

4Q/06: Very High Rad area occurrences was changed from 0 to 1 for Nov 2006. This would change the indicator color to white for the period of Nov 2006 to May 2007.

2Q/06: Very High Rad Area positive key control event in May 2007. No Color change.

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: December 7, 2007

Prairie Island 2

4Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	1806.1	2183.0	2208.0	1506.3	1991.4	2123.1	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	1.0	0	0	0	0	1.0	0	0
Critical hours	1806.1	2183.0	2208.0	1506.3	1991.4	2123.1	2208.0	2209.0
Indicator value	**2.0**	**0.8**	**0.8**	**0.9**	**0**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Scrams with complications				0	0	1.0	0	0
Indicator value							**1.0**	**1.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		9.10E-08	8.90E-08	8.20E-08	8.30E-08	5.80E-08	4.90E-08	1.20E-07
URI (ΔCDF)		3.70E-07	3.70E-07	3.70E-07	3.70E-07	5.50E-07	-2.60E-08	-2.50E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**4.61E-07**	**4.59E-07**	**4.52E-07**	**4.53E-07**	**6.08E-07**	**2.30E-08**	**9.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-7.70E-09	-7.70E-09	-7.70E-09	-6.40E-09	-6.40E-09	-2.30E-09	-3.10E-09
URI (ΔCDF)		-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-2.47E-08**	**-2.47E-08**	**-2.47E-08**	**-2.34E-08**	**-2.34E-08**	**-1.93E-08**	**-2.01E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		5.40E-09	1.70E-09	3.60E-09	-2.90E-09	7.40E-09	-4.00E-09	-1.40E-08
URI (ΔCDF)		-1.60E-07	-1.60E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-1.55E-07**	**-1.58E-07**	**-1.36E-07**	**-1.43E-07**	**-1.33E-07**	**-1.44E-07**	**-1.54E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		2.50E-08	2.00E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.70E-08
URI (ΔCDF)		-1.40E-07	-1.20E-07	-1.30E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-1.15E-07**	**-1.00E-07**	**-1.45E-07**	**-1.65E-07**	**-1.65E-07**	**-1.65E-07**	**-1.67E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		2.00E-08	1.10E-09	4.00E-08	4.10E-08	2.80E-08	2.10E-08	3.10E-07
URI (ΔCDF)		-7.50E-08	-7.70E-08	-8.20E-08	-8.40E-08	-9.70E-08	-9.90E-08	-1.10E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-5.50E-08**	**-7.59E-08**	**-4.20E-08**	**-4.30E-08**	**-6.90E-08**	**-7.80E-08**	**2.00E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum activity	0.000270	0.000250	0.000260	0.000480	0.000260	0.000270	0.000290	0.000400	0.000310	0.000600	0.000400	0.000130
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**
Reactor Coolant System Activity	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum activity	0.000150	0.000160	0.000150	0.000160	0.000170	0.000190	0.000190	0.000190	0.000190	0.000190	0.000200	0.000210
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	20.0	133.0	53.0	7.0	58.0	33.0	47.0	49.0
Total opportunities	20.0	136.0	55.0	7.0	58.0	34.0	51.0	51.0
Indicator value	**93.3%**	**96.5%**	**96.7%**	**96.7%**	**97.2%**	**97.1%**	**97.3%**	**97.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	155.0	160.0	163.0	161.0	159.0	157.0	159.0	169.0
Total Key personnel	162.0	168.0	168.0	168.0	167.0	165.0	163.0	169.0
Indicator value	**95.7%**	**95.2%**	**97.0%**	**95.8%**	**95.2%**	**95.2%**	**97.5%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	1440	1434	1462	1469	1464	1465	1514	1520
Total sirens-tests	1443	1443	1482	1482	1482	1482	1521	1521
Indicator value	**98.9%**	**99.6%**	**99.3%**	**99.2%**	**99.0%**	**98.9%**	**99.1%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
High radiation area occurrences	0	0	0	1	0	0	0	0
Very high radiation area occurrences	0	1	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**2**	**2**	**1**	**1**	**0**

Licensee Comments:

4Q/07: Revised VHRA occurance data previously submitted in Nov 2006, this change resulted in a color change from white to green for the period of Nov 2006 to May 2007.

4Q/06: Very High Rad area occurrences was changed from 1 to 0 for Nov 2006. This would change the indicator color to green for the period of Nov 2006 to May 2007.

4Q/06: Very High Rad area occurrences was changed from 0 to 1 for Nov 2006. This would change the indicator color to white for the period of Nov 2006 to May 2007.

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: February 4, 2008

Prairie Island 2

1Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2183.0	2208.0	1506.3	1991.4	2123.1	2208.0	2209.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	0	0	1.0	0	0	1.0
Critical hours	2183.0	2208.0	1506.3	1991.4	2123.1	2208.0	2209.0	2183.0
Indicator value	**0.8**	**0.8**	**0.9**	**0**	**0.9**	**0.9**	**0.8**	**1.6**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Scrams with complications			0	0	1.0	0	0	0
Indicator value						**1.0**	**1.0**	**1.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	9.10E-08	8.90E-08	8.20E-08	8.30E-08	5.80E-08	4.90E-08	1.20E-07	1.20E-07
URI (ΔCDF)	3.70E-07	3.70E-07	3.70E-07	3.70E-07	5.50E-07	-2.60E-08	-2.50E-08	-2.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.61E-07**	**4.59E-07**	**4.52E-07**	**4.53E-07**	**6.08E-07**	**2.30E-08**	**9.50E-08**	**9.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	-7.70E-09	-7.70E-09	-7.70E-09	-6.40E-09	-6.40E-09	-2.30E-09	-3.10E-09	-3.20E-09
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.47E-08**	**-2.47E-08**	**-2.47E-08**	**-2.34E-08**	**-2.34E-08**	**-1.93E-08**	**-2.01E-08**	**-2.02E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	5.40E-09	1.70E-09	3.60E-09	-2.90E-09	7.40E-09	-4.00E-09	-1.40E-08	-2.60E-08
URI (ΔCDF)	-1.60E-07	-1.60E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.55E-07**	**-1.58E-07**	**-1.36E-07**	**-1.43E-07**	**-1.33E-07**	**-1.44E-07**	**-1.54E-07**	**-1.66E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	2.50E-08	2.00E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.70E-08	-1.70E-08
URI (ΔCDF)	-1.40E-07	-1.20E-07	-1.30E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.15E-07**	**-1.00E-07**	**-1.45E-07**	**-1.65E-07**	**-1.65E-07**	**-1.65E-07**	**-1.67E-07**	**-1.67E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	2.00E-08	1.10E-09	4.00E-08	4.10E-08	2.80E-08	2.10E-08	3.10E-07	3.20E-07
URI (ΔCDF)	-7.50E-08	-7.70E-08	-8.20E-08	-8.40E-08	-9.70E-08	-9.90E-08	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.50E-08**	**-7.59E-08**	**-4.20E-08**	**-4.30E-08**	**-6.90E-08**	**-7.80E-08**	**2.00E-07**	**2.10E-07**

Licensee Comments:

1Q/08: Update PRA Parameter for train -12 Cooling Water Pump. UABLP changed from 1.71E-02 to 2.15E-02. Effective Date Q2 2008

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum activity	0.000480	0.000260	0.000270	0.000290	0.000400	0.000310	0.000600	0.000400	0.000130	0.000150	0.000160	0.000150
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum activity	0.000160	0.000170	0.000190	0.000190	0.000190	0.000190	0.000190	0.000200	0.000210	0.000200	0.000210	0.000220
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Leakage	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	133.0	53.0	7.0	58.0	33.0	47.0	49.0	47.0
Total opportunities	136.0	55.0	7.0	58.0	34.0	51.0	51.0	51.0
Indicator value	**96.5%**	**96.7%**	**96.7%**	**97.2%**	**97.1%**	**97.3%**	**97.1%**	**96.4%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	160.0	163.0	161.0	159.0	157.0	159.0	169.0	166.0
Total Key personnel	168.0	168.0	168.0	167.0	165.0	163.0	169.0	167.0
Indicator value	**95.2%**	**97.0%**	**95.8%**	**95.2%**	**95.2%**	**97.5%**	**100.0%**	**99.4%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	1434	1462	1469	1464	1465	1514	1520	1513
Total sirens-tests	1443	1482	1482	1482	1482	1521	1521	1521
Indicator value	**99.6%**	**99.3%**	**99.2%**	**99.0%**	**98.9%**	**99.1%**	**99.3%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
High radiation area occurrences	0	0	1	0	0	0	0	0
Very high radiation area occurrences	1	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**2**	**2**	**1**	**1**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: April 30, 2008

Prairie Island 2

2Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	1506.3	1991.4	2123.1	2208.0	2209.0	2183.0	2184.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	0	0	1.0	0	0	1.0	0
Critical hours	2208.0	1506.3	1991.4	2123.1	2208.0	2209.0	2183.0	2184.0
Indicator value	**0.8**	**0.9**	**0**	**0.9**	**0.9**	**0.8**	**1.6**	**0.8**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Scrams with complications		0	0	1.0	0	0	0	0
Indicator value					**1.0**	**1.0**	**1.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	8.90E-08	8.20E-08	8.30E-08	5.80E-08	4.90E-08	1.20E-07	1.20E-07	9.60E-08
URI (ΔCDF)	3.70E-07	3.70E-07	3.70E-07	5.50E-07	-2.60E-08	-2.50E-08	-2.40E-08	-2.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.59E-07**	**4.52E-07**	**4.53E-07**	**6.08E-07**	**2.30E-08**	**9.50E-08**	**9.60E-08**	**7.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-7.70E-09	-7.70E-09	-6.40E-09	-6.40E-09	-2.30E-09	-3.10E-09	-3.20E-09	-3.80E-09
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.47E-08**	**-2.47E-08**	**-2.34E-08**	**-2.34E-08**	**-1.93E-08**	**-2.01E-08**	**-2.02E-08**	**-2.08E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	1.70E-09	3.60E-09	-2.90E-09	7.40E-09	-4.00E-09	-1.40E-08	-2.60E-08	-2.80E-08
URI (ΔCDF)	-1.60E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.58E-07**	**-1.36E-07**	**-1.43E-07**	**-1.33E-07**	**-1.44E-07**	**-1.54E-07**	**-1.66E-07**	**-1.58E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	2.00E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.70E-08	-1.70E-08	-2.20E-08
URI (ΔCDF)	-1.20E-07	-1.30E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-1.45E-07**	**-1.65E-07**	**-1.65E-07**	**-1.65E-07**	**-1.67E-07**	**-1.67E-07**	**-1.42E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	1.10E-09	4.00E-08	4.10E-08	2.80E-08	2.10E-08	3.10E-07	3.20E-07	2.20E-07
URI (ΔCDF)	-7.70E-08	-8.20E-08	-8.40E-08	-9.70E-08	-9.90E-08	-1.10E-07	-1.10E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.59E-08**	**-4.20E-08**	**-4.30E-08**	**-6.90E-08**	**-7.80E-08**	**2.00E-07**	**2.10E-07**	**1.20E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum activity	0.000290	0.000400	0.000310	0.000600	0.000400	0.000130	0.000150	0.000160	0.000150	0.000160	0.000170	0.000190
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum activity	0.000190	0.000190	0.000190	0.000190	0.000200	0.000210	0.000200	0.000210	0.000220	0.000220	0.000230	0.000230
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	53.0	7.0	58.0	33.0	47.0	49.0	47.0	51.0
Total opportunities	55.0	7.0	58.0	34.0	51.0	51.0	51.0	52.0
Indicator value	**96.7%**	**96.7%**	**97.2%**	**97.1%**	**97.3%**	**97.1%**	**96.4%**	**96.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	163.0	161.0	159.0	157.0	159.0	169.0	166.0	154.0
Total Key personnel	168.0	168.0	167.0	165.0	163.0	169.0	167.0	158.0
Indicator value	**97.0%**	**95.8%**	**95.2%**	**95.2%**	**97.5%**	**100.0%**	**99.4%**	**97.5%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	1462	1469	1464	1465	1514	1520	1513	1466
Total sirens-tests	1482	1482	1482	1482	1521	1521	1521	1521
Indicator value	**99.3%**	**99.2%**	**99.0%**	**98.9%**	**99.1%**	**99.3%**	**99.5%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
High radiation area occurrences	0	1	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**2**	**2**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Prairie Island 2

3Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	1506.3	1991.4	2123.1	2208.0	2209.0	2183.0	2184.0	1942.7
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	1.0	0	0	1.0	0	0
Critical hours	1506.3	1991.4	2123.1	2208.0	2209.0	2183.0	2184.0	1942.7
Indicator value	**0.9**	**0**	**0.9**	**0.9**	**0.8**	**1.6**	**0.8**	**0.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Scrams with complications	0	0	1.0	0	0	0	0	0
Indicator value				**1.0**	**1.0**	**1.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	8.20E-08	8.30E-08	5.80E-08	4.90E-08	1.20E-07	1.20E-07	9.60E-08	9.80E-08
URI (ΔCDF)	3.70E-07	3.70E-07	5.50E-07	-2.60E-08	-2.50E-08	-2.40E-08	-2.30E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.52E-07**	**4.53E-07**	**6.08E-07**	**2.30E-08**	**9.50E-08**	**9.60E-08**	**7.30E-08**	**7.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-7.70E-09	-6.40E-09	-6.40E-09	-2.30E-09	-3.10E-09	-3.20E-09	-3.80E-09	-3.60E-09
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.47E-08**	**-2.34E-08**	**-2.34E-08**	**-1.93E-08**	**-2.01E-08**	**-2.02E-08**	**-2.08E-08**	**-2.06E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	3.60E-09	-2.90E-09	7.40E-09	-4.00E-09	-1.40E-08	-2.60E-08	-2.80E-08	-3.70E-08
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.36E-07**	**-1.43E-07**	**-1.33E-07**	**-1.44E-07**	**-1.54E-07**	**-1.66E-07**	**-1.58E-07**	**-1.67E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.70E-08	-1.70E-08	-2.20E-08	-2.20E-08
URI (ΔCDF)	-1.30E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.20E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.45E-07**	**-1.65E-07**	**-1.65E-07**	**-1.65E-07**	**-1.67E-07**	**-1.67E-07**	**-1.42E-07**	**-1.52E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	4.00E-08	4.10E-08	2.80E-08	2.10E-08	3.10E-07	3.20E-07	2.20E-07	1.80E-07
URI (ΔCDF)	-8.20E-08	-8.40E-08	-9.70E-08	-9.90E-08	-1.10E-07	-1.10E-07	-1.00E-07	-4.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.20E-08**	**-4.30E-08**	**-6.90E-08**	**-7.80E-08**	**2.00E-07**	**2.10E-07**	**1.20E-07**	**-2.70E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum activity	0.000600	0.000400	0.000130	0.000150	0.000160	0.000150	0.000160	0.000170	0.000190	0.000190	0.000190	0.000190
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum activity	0.000190	0.000200	0.000210	0.000200	0.000210	0.000220	0.000220	0.000230	0.000230	0.000280	0.000240	0.000240
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0	0	0	0	0	0	0	0	0	0.050	0.642	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.5**	**6.4**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	7.0	58.0	33.0	47.0	49.0	47.0	51.0	41.0
Total opportunities	7.0	58.0	34.0	51.0	51.0	51.0	52.0	44.0
Indicator value	**96.7%**	**97.2%**	**97.1%**	**97.3%**	**97.1%**	**96.4%**	**96.1%**	**95.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	161.0	159.0	157.0	159.0	169.0	166.0	154.0	160.0
Total Key personnel	168.0	167.0	165.0	163.0	169.0	167.0	158.0	163.0
Indicator value	**95.8%**	**95.2%**	**95.2%**	**97.5%**	**100.0%**	**99.4%**	**97.5%**	**98.2%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	1469	1464	1465	1514	1520	1513	1466	1515
Total sirens-tests	1482	1482	1482	1521	1521	1521	1521	1521
Indicator value	**99.2%**	**99.0%**	**98.9%**	**99.1%**	**99.3%**	**99.5%**	**98.8%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
High radiation area occurrences	1	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**2**	**2**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: November 26, 2008

Prairie Island 2

4Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	0	1.0	0	0	0	0	0	1.0
Critical hours	1991.4	2123.1	2208.0	2209.0	2183.0	2184.0	1942.7	1477.8
Indicator value	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	1.0	0	0	1.0	0	0	0
Critical hours	1991.4	2123.1	2208.0	2209.0	2183.0	2184.0	1942.7	1477.8
Indicator value	**0**	**0.9**	**0.9**	**0.8**	**1.6**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Scrams with complications	0	1.0	0	0	0	0	0	0
Indicator value			**1.0**	**1.0**	**1.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	8.30E-08	5.80E-08	4.90E-08	1.20E-07	1.20E-07	9.60E-08	9.80E-08	1.00E-07
URI (ΔCDF)	3.70E-07	5.50E-07	-2.60E-08	-2.50E-08	-2.40E-08	-2.30E-08	-2.20E-08	-2.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.53E-07**	**6.08E-07**	**2.30E-08**	**9.50E-08**	**9.60E-08**	**7.30E-08**	**7.60E-08**	**7.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	-6.40E-09	-6.40E-09	-2.30E-09	-3.10E-09	-3.20E-09	-3.80E-09	-3.60E-09	-1.50E-09
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.34E-08**	**-2.34E-08**	**-1.93E-08**	**-2.01E-08**	**-2.02E-08**	**-2.08E-08**	**-2.06E-08**	**-1.85E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	-2.90E-09	7.40E-09	-4.00E-09	-1.40E-08	-2.60E-08	-2.80E-08	-3.70E-08	-3.00E-08
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.43E-07**	**-1.33E-07**	**-1.44E-07**	**-1.54E-07**	**-1.66E-07**	**-1.58E-07**	**-1.67E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.70E-08	-1.70E-08	-2.20E-08	-2.20E-08	-2.20E-08
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.20E-07	-1.30E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.65E-07**	**-1.65E-07**	**-1.65E-07**	**-1.67E-07**	**-1.67E-07**	**-1.42E-07**	**-1.52E-07**	**-1.72E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	4.10E-08	2.80E-08	2.10E-08	3.10E-07	3.20E-07	2.20E-07	1.80E-07	1.40E-07
URI (ΔCDF)	-8.40E-08	-9.70E-08	-9.90E-08	-1.10E-07	-1.10E-07	-1.00E-07	-4.50E-07	-4.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.30E-08**	**-6.90E-08**	**-7.80E-08**	**2.00E-07**	**2.10E-07**	**1.20E-07**	**-2.70E-07**	**-3.10E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum activity	0.000150	0.000160	0.000150	0.000160	0.000170	0.000190	0.000190	0.000190	0.000190	0.000190	0.000200	0.000210
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**
Maximum activity	0.000200	0.000210	0.000220	0.000220	0.000230	0.000230	0.000280	0.000240	0.000240	N/A	0.000120	0.000130
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	0	0	0	0	0	0	0.050	0.642	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.5**	**6.4**	**0**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	58.0	33.0	47.0	49.0	47.0	51.0	41.0	16.0
Total opportunities	58.0	34.0	51.0	51.0	51.0	52.0	44.0	18.0
Indicator value	**97.2%**	**97.1%**	**97.3%**	**97.1%**	**96.4%**	**96.1%**	**95.7%**	**95.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	159.0	157.0	159.0	169.0	166.0	154.0	160.0	158.0
Total Key personnel	167.0	165.0	163.0	169.0	167.0	158.0	163.0	159.0
Indicator value	**95.2%**	**95.2%**	**97.5%**	**100.0%**	**99.4%**	**97.5%**	**98.2%**	**99.4%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	1464	1465	1514	1520	1513	1466	1515	1517
Total sirens-tests	1482	1482	1521	1521	1521	1521	1521	1521
Indicator value	**99.0%**	**98.9%**	**99.1%**	**99.3%**	**99.5%**	**98.8%**	**98.8%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**2**	**1**	**1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: February 4, 2009

Prairie Island 2

1Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	1.0	0	0	0	0	0	1.0	0
Critical hours	2123.1	2208.0	2209.0	2183.0	2184.0	1942.7	1477.8	2159.0
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	1.0	0	0	1.0	0	0	0	0
Critical hours	2123.1	2208.0	2209.0	2183.0	2184.0	1942.7	1477.8	2159.0
Indicator value	**0.9**	**0.9**	**0.8**	**1.6**	**0.8**	**0.8**	**0.9**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Scrams with complications	1.0	0	0	0	0	0	0	0
Indicator value		**1.0**	**1.0**	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	5.80E-08	4.90E-08	1.20E-07	1.20E-07	9.60E-08	9.80E-08	1.00E-07	1.00E-07
URI (ΔCDF)	5.50E-07	-2.60E-08	-2.50E-08	-2.40E-08	-2.30E-08	-2.20E-08	-2.10E-08	-2.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.08E-07**	**2.30E-08**	**9.50E-08**	**9.60E-08**	**7.30E-08**	**7.60E-08**	**7.90E-08**	**7.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-6.40E-09	-2.30E-09	-3.10E-09	-3.20E-09	-3.80E-09	-3.60E-09	-1.50E-09	-1.80E-09
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.34E-08**	**-1.93E-08**	**-2.01E-08**	**-2.02E-08**	**-2.08E-08**	**-2.06E-08**	**-1.85E-08**	**-1.88E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	7.40E-09	-4.00E-09	-1.40E-08	-2.60E-08	-2.80E-08	-3.70E-08	-3.00E-08	-3.20E-08
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.33E-07**	**-1.44E-07**	**-1.54E-07**	**-1.66E-07**	**-1.58E-07**	**-1.67E-07**	**-1.60E-07**	**-1.62E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-1.50E-08	-1.50E-08	-1.70E-08	-1.70E-08	-2.20E-08	-2.20E-08	-2.20E-08	8.90E-09
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.20E-07	-1.30E-07	-1.50E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.65E-07**	**-1.65E-07**	**-1.67E-07**	**-1.67E-07**	**-1.42E-07**	**-1.52E-07**	**-1.72E-07**	**-1.31E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	2.80E-08	2.10E-08	3.10E-07	3.20E-07	2.20E-07	1.80E-07	1.30E-07	4.10E-07
URI (ΔCDF)	-9.70E-08	-9.90E-08	-1.10E-07	-1.10E-07	-1.00E-07	-5.00E-07	-5.10E-07	-5.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.90E-08**	**-7.80E-08**	**2.00E-07**	**2.10E-07**	**1.20E-07**	**-3.20E-07**	**-3.80E-07**	**-1.00E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum activity	0.000160	0.000170	0.000190	0.000190	0.000190	0.000190	0.000190	0.000200	0.000210	0.000200	0.000210	0.000220
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum activity	0.000220	0.000230	0.000230	0.000280	0.000240	0.000240	N/A	0.000120	0.000130	0.000140	0.000015	0.000160
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	0	0	0	0.050	0.642	0	0	0	0	0.024	0.238	0.256
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0.5**	**6.4**	**0**	**0**	**0**	**0**	**0.2**	**2.4**	**2.6**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	33.0	47.0	49.0	47.0	51.0	41.0	16.0	99.0
Total opportunities	34.0	51.0	51.0	51.0	52.0	44.0	18.0	99.0
Indicator value	**97.1%**	**97.3%**	**97.1%**	**96.4%**	**96.1%**	**95.7%**	**95.3%**	**95.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	157.0	159.0	169.0	166.0	154.0	160.0	158.0	160.0
Total Key personnel	165.0	163.0	169.0	167.0	158.0	163.0	159.0	160.0
Indicator value	**95.2%**	**97.5%**	**100.0%**	**99.4%**	**97.5%**	**98.2%**	**99.4%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	1465	1514	1520	1513	1466	1515	1517	1401
Total sirens-tests	1482	1521	1521	1521	1521	1521	1521	1404
Indicator value	**98.9%**	**99.1%**	**99.3%**	**99.5%**	**98.8%**	**98.8%**	**98.8%**	**98.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: May 1, 2009

Prairie Island 2

2Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	1942.7	1477.8	2159.0	2184.0
Indicator value	**0.9**	**0.8**	**0.8**	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	1942.7	1477.8	2159.0	2184.0
Indicator value	**0.9**	**0.8**	**1.6**	**0.8**	**0.8**	**0.9**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	0	0	1	0	0	1
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**2**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	4.90E-08	1.20E-07	1.20E-07	9.60E-08	9.80E-08	1.00E-07	1.00E-07	1.50E-07
URI (ΔCDF)	-2.60E-08	-2.50E-08	-2.40E-08	-2.30E-08	-2.20E-08	-2.10E-08	-2.10E-08	-2.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.30E-08**	**9.50E-08**	**9.60E-08**	**7.30E-08**	**7.60E-08**	**7.90E-08**	**7.90E-08**	**1.29E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-2.30E-09	-3.10E-09	-3.20E-09	-3.80E-09	-3.60E-09	-1.50E-09	-1.80E-09	-1.80E-09
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.93E-08**	**-2.01E-08**	**-2.02E-08**	**-2.08E-08**	**-2.06E-08**	**-1.85E-08**	**-1.88E-08**	**-1.88E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-4.00E-09	-1.40E-08	-2.60E-08	-2.80E-08	-3.70E-08	-3.00E-08	-3.20E-08	-9.00E-09
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.44E-07**	**-1.54E-07**	**-1.66E-07**	**-1.58E-07**	**-1.67E-07**	**-1.60E-07**	**-1.62E-07**	**-1.39E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**
UAI (ΔCDF)	-1.50E-08	-1.70E-08	-1.70E-08	-2.20E-08	-2.20E-08	-2.20E-08	8.90E-09	8.90E-09
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.20E-07	-1.30E-07	-1.50E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.65E-07**	**-1.67E-07**	**-1.67E-07**	**-1.42E-07**	**-1.52E-07**	**-1.72E-07**	**-1.31E-07**	**-1.31E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	2.10E-08	3.10E-07	3.20E-07	2.20E-07	1.80E-07	1.30E-07	4.10E-07	6.70E-07
URI (ΔCDF)	-9.90E-08	-1.10E-07	-1.10E-07	-1.00E-07	-5.00E-07	-5.10E-07	-5.10E-07	-4.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.80E-08**	**2.00E-07**	**2.10E-07**	**1.20E-07**	**-3.20E-07**	**-3.80E-07**	**-1.00E-07**	**2.00E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum activity	0.000190	0.000190	0.000190	0.000190	0.000200	0.000210	0.000200	0.000210	0.000220	0.000220	0.000230	0.000230
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum activity	0.000280	0.000240	0.000240	N/A	0.000120	0.000130	0.000140	0.000015	0.000160	0.000160	0.000160	0.000180
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0.501	0.736	0.206	0	0	0.201	0.042	0.238	0.264	0.025	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**5.0**	**7.4**	**2.1**	**0**	**0**	**2.0**	**0.4**	**2.4**	**2.6**	**0.3**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	47.0	49.0	47.0	51.0	41.0	16.0	99.0	43.0
Total opportunities	51.0	51.0	51.0	52.0	44.0	18.0	99.0	44.0
Indicator value	**97.3%**	**97.1%**	**96.4%**	**96.1%**	**95.7%**	**95.3%**	**95.8%**	**95.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	159.0	169.0	166.0	154.0	160.0	158.0	160.0	175.0
Total Key personnel	163.0	169.0	167.0	158.0	163.0	159.0	160.0	175.0
Indicator value	**97.5%**	**100.0%**	**99.4%**	**97.5%**	**98.2%**	**99.4%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	1514	1520	1513	1466	1515	1517	1401	1520
Total sirens-tests	1521	1521	1521	1521	1521	1521	1404	1521
Indicator value	**99.1%**	**99.3%**	**99.5%**	**98.8%**	**98.8%**	**98.8%**	**98.9%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: July 22, 2009

Prairie Island 2

3Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2183.0	2184.0	1942.7	1477.8	2159.0	2184.0	2208.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	1942.7	1477.8	2159.0	2184.0	2208.0
Indicator value	**0.8**	**1.6**	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	0	0	0	1	0	0	1	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**2**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	1.20E-07	1.20E-07	9.60E-08	9.80E-08	1.00E-07	1.00E-07	1.50E-07	1.50E-07
URI (ΔCDF)	-2.50E-08	-2.40E-08	-2.30E-08	-2.20E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.50E-08**	**9.60E-08**	**7.30E-08**	**7.60E-08**	**7.90E-08**	**7.90E-08**	**1.29E-07**	**1.29E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-3.10E-09	-3.20E-09	-3.80E-09	-3.60E-09	-1.50E-09	-1.80E-09	-1.80E-09	4.70E-09
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.01E-08**	**-2.02E-08**	**-2.08E-08**	**-2.06E-08**	**-1.85E-08**	**-1.88E-08**	**-1.88E-08**	**-1.23E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	-1.40E-08	-2.60E-08	-2.80E-08	-3.70E-08	-3.00E-08	-3.20E-08	-9.00E-09	-9.00E-09
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.54E-07**	**-1.66E-07**	**-1.58E-07**	**-1.67E-07**	**-1.60E-07**	**-1.62E-07**	**-1.39E-07**	**-1.39E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-1.70E-08	-1.70E-08	-2.20E-08	-2.20E-08	-2.20E-08	8.90E-09	8.90E-09	8.90E-09
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.20E-07	-1.30E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.67E-07**	**-1.67E-07**	**-1.42E-07**	**-1.52E-07**	**-1.72E-07**	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	3.10E-07	3.20E-07	2.20E-07	1.80E-07	1.30E-07	4.10E-07	6.70E-07	8.60E-07
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.00E-07	-5.00E-07	-5.10E-07	-5.10E-07	-4.70E-07	-4.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-07**	**2.10E-07**	**1.20E-07**	**-3.20E-07**	**-3.80E-07**	**-1.00E-07**	**2.00E-07**	**3.90E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum activity	0.000190	0.000200	0.000210	0.000200	0.000210	0.000220	0.000220	0.000230	0.000230	0.000280	0.000240	0.000240
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum activity	N/A	0.000120	0.000130	0.000140	0.000015	0.000160	0.000160	0.000160	0.000180	0.000170	0.000180	0.000180
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0	0	0	0	0	0	0	0	0	0.501	0.736	0.206
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5.0**	**7.4**	**2.1**

Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	0	0	0.201	0.042	0.238	0.264	0.025	0	0	0.063	0	0.008
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**2.0**	**0.4**	**2.4**	**2.6**	**0.3**	**0**	**0**	**0.6**	**0**	**0.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	49.0	47.0	51.0	41.0	16.0	99.0	43.0	9.0
Total opportunities	51.0	51.0	52.0	44.0	18.0	99.0	44.0	9.0
Indicator value	**97.1%**	**96.4%**	**96.1%**	**95.7%**	**95.3%**	**95.8%**	**95.9%**	**96.5%**

Licensee Comments: none

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	169.0	166.0	154.0	160.0	158.0	160.0	175.0	162.0
Total Key personnel	169.0	167.0	158.0	163.0	159.0	160.0	175.0	164.0
Indicator value	**100.0%**	**99.4%**	**97.5%**	**98.2%**	**99.4%**	**100.0%**	**100.0%**	**98.8%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	1520	1513	1466	1515	1517	1401	1520	1636
Total sirens-tests	1521	1521	1521	1521	1521	1404	1521	1638
Indicator value	**99.3%**	**99.5%**	**98.8%**	**98.8%**	**98.8%**	**98.9%**	**99.8%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: November 30, 2009

Prairie Island 2

4Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2183.0	2184.0	1942.7	1477.8	2159.0	2184.0	2208.0	2209.0
Indicator value	**0.8**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	1942.7	1477.8	2159.0	2184.0	2208.0	2209.0
Indicator value	**1.6**	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Safety System Functional Failures	0	0	1	0	0	1	0	1
Indicator value	**0**	**0**	**1**	**1**	**1**	**2**	**1**	**2**

Licensee Comments:

2Q/09: LER 1-09-04: 06/05/2009 Residual Heat Removal System Inoperability While in Mode 4 Due to Potential Steam Voiding.

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	1.20E-07	9.60E-08	9.80E-08	1.00E-07	1.00E-07	1.50E-07	1.50E-07	1.40E-07
URI (ΔCDF)	-2.40E-08	-2.30E-08	-2.20E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.60E-08**	**7.30E-08**	**7.60E-08**	**7.90E-08**	**7.90E-08**	**1.29E-07**	**1.29E-07**	**1.19E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-3.20E-09	-3.80E-09	-3.60E-09	-1.50E-09	-1.80E-09	-1.80E-09	4.70E-09	1.20E-08
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.02E-08**	**-2.08E-08**	**-2.06E-08**	**-1.85E-08**	**-1.88E-08**	**-1.88E-08**	**-1.23E-08**	**-5.00E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	-2.60E-08	-2.80E-08	-3.70E-08	-3.00E-08	-3.20E-08	-9.00E-09	-9.00E-09	-1.30E-08
URI (ΔCDF)	-1.40E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.66E-07**	**-1.58E-07**	**-1.67E-07**	**-1.60E-07**	**-1.62E-07**	**-1.39E-07**	**-1.39E-07**	**-1.43E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-1.70E-08	-2.20E-08	-2.20E-08	-2.20E-08	8.90E-09	8.90E-09	8.90E-09	8.10E-09
URI (ΔCDF)	-1.50E-07	-1.20E-07	-1.30E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.67E-07**	**-1.42E-07**	**-1.52E-07**	**-1.72E-07**	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-1.12E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	3.20E-07	2.20E-07	1.80E-07	1.30E-07	4.10E-07	6.70E-07	8.60E-07	7.40E-07
URI (ΔCDF)	-1.10E-07	-1.00E-07	-5.00E-07	-5.10E-07	-5.10E-07	-4.70E-07	-4.70E-07	-4.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-07**	**1.20E-07**	**-3.20E-07**	**-3.80E-07**	**-1.00E-07**	**2.00E-07**	**3.90E-07**	**2.60E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**
Maximum activity	0.000200	0.000210	0.000220	0.000220	0.000230	0.000230	0.000280	0.000240	0.000240	N/A	0.000120	0.000130
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**

Reactor Coolant System Activity	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum activity	0.000140	0.000015	0.000160	0.000160	0.000160	0.000180	0.000170	0.000180	0.000180	0.000180	0.000190	0.000230
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

9/09: Tech Spec Limit for I-131 changed from 1.0 to 0.5 as of September 2009. This change was documented by License Amendment No. 191 (DPR-42)/ 180 (DPR-60) in our Technical Specifications.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**
Maximum leakage	0	0	0	0	0	0	0.501	0.736	0.206	0	0	0.201
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**5.0**	**7.4**	**2.1**	**0**	**0**	**2.0**

Reactor Coolant System Leakage	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum leakage	0.042	0.238	0.264	0.025	0	0	0.063	0	0.008	0.008	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**2.4**	**2.6**	**0.3**	**0**	**0**	**0.6**	**0**	**0.1**	**0.1**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	47.0	51.0	41.0	16.0	99.0	43.0	9.0	20.0
Total opportunities	51.0	52.0	44.0	18.0	99.0	44.0	9.0	20.0
Indicator value	**96.4%**	**96.1%**	**95.7%**	**95.3%**	**95.8%**	**95.9%**	**96.5%**	**96.7%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	166.0	154.0	160.0	158.0	160.0	175.0	162.0	159.0
Total Key personnel	167.0	158.0	163.0	159.0	160.0	175.0	164.0	163.0
Indicator value	**99.4%**	**97.5%**	**98.2%**	**99.4%**	**100.0%**	**100.0%**	**98.8%**	**97.5%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	1513	1466	1515	1517	1401	1520	1636	1517
Total sirens-tests	1521	1521	1521	1521	1404	1521	1638	1521
Indicator value	**99.5%**	**98.8%**	**98.8%**	**98.8%**	**98.9%**	**99.8%**	**99.8%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: January 22, 2010

Prairie Island 2

1Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2184.0	1942.7	1477.8	2159.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	1942.7	1477.8	2159.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Safety System Functional Failures	0	1	0	0	1	0	1	0
Indicator value	**0**	**1**	**1**	**1**	**2**	**1**	**2**	**2**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	9.60E-08	9.80E-08	1.00E-07	1.00E-07	1.50E-07	1.50E-07	1.40E-07	1.44E-07
URI (ΔCDF)	-2.30E-08	-2.20E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	7.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.30E-08**	**7.60E-08**	**7.90E-08**	**7.90E-08**	**1.29E-07**	**1.29E-07**	**1.19E-07**	**2.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-3.80E-09	-3.60E-09	-1.50E-09	-1.80E-09	-1.80E-09	4.70E-09	1.20E-08	6.60E-09
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.08E-08**	**-2.06E-08**	**-1.85E-08**	**-1.88E-08**	**-1.88E-08**	**-1.23E-08**	**-5.00E-09**	**-1.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	-2.80E-08	-3.70E-08	-3.00E-08	-3.20E-08	-9.00E-09	-9.00E-09	-1.30E-08	-1.35E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.29E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.58E-07**	**-1.67E-07**	**-1.60E-07**	**-1.62E-07**	**-1.39E-07**	**-1.39E-07**	**-1.43E-07**	**-1.40E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-2.20E-08	-2.20E-08	-2.20E-08	8.90E-09	8.90E-09	8.90E-09	8.10E-09	7.87E-09
URI (ΔCDF)	-1.20E-07	-1.30E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.20E-07	-1.07E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.42E-07**	**-1.52E-07**	**-1.72E-07**	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-1.12E-07**	**-9.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	2.20E-07	1.80E-07	1.30E-07	4.10E-07	6.70E-07	8.60E-07	7.40E-07	1.03E-06
URI (ΔCDF)	-1.00E-07	-5.00E-07	-5.10E-07	-5.10E-07	-4.70E-07	-4.70E-07	-4.80E-07	-4.78E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**-3.20E-07**	**-3.80E-07**	**-1.00E-07**	**2.00E-07**	**3.90E-07**	**2.60E-07**	**5.50E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum activity	0.000220	0.000230	0.000230	0.000280	0.000240	0.000240	N/A	0.000120	0.000130	0.000140	0.000015	0.000160
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum activity	0.000160	0.000160	0.000180	0.000170	0.000180	0.000180	0.000180	0.000190	0.000230	0.000200	0.000200	0.000239
Technical specification limit	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum leakage	0	0	0	0.501	0.736	0.206	0	0	0.201	0.042	0.238	0.264
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**5.0**	**7.4**	**2.1**	**0**	**0**	**2.0**	**0.4**	**2.4**	**2.6**
Reactor Coolant System Leakage	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	0.025	0	0	0.063	0	0.008	0.008	0	0	0.024	0.021	0.025
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0**	**0**	**0.6**	**0**	**0.1**	**0.1**	**0**	**0**	**0.2**	**0.2**	**0.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	51.0	41.0	16.0	99.0	43.0	9.0	20.0	48.0
Total opportunities	52.0	44.0	18.0	99.0	44.0	9.0	20.0	50.0
Indicator value	**96.1%**	**95.7%**	**95.3%**	**95.8%**	**95.9%**	**96.5%**	**96.7%**	**97.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	154.0	160.0	158.0	160.0	175.0	162.0	159.0	144.0
Total Key personnel	158.0	163.0	159.0	160.0	175.0	164.0	165.0	148.0
Indicator value	**97.5%**	**98.2%**	**99.4%**	**100.0%**	**100.0%**	**98.8%**	**96.4%**	**97.3%**

Licensee Comments:

4Q/09: Total Key Personnel count was revised due to two individuals not being added to participation index when they were added to the roster.

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	1466	1515	1517	1401	1520	1636	1517	1510
Total sirens-tests	1521	1521	1521	1404	1521	1638	1521	1521
Indicator value	**98.8%**	**98.8%**	**98.8%**	**98.9%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	1
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: April 26, 2010

Prairie Island 2

2Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	1.0	0	0	0	0	0	2.0
Critical hours	1942.7	1477.8	2159.0	2184.0	2208.0	2209.0	2159.0	1293.2
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**1.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1942.7	1477.8	2159.0	2184.0	2208.0	2209.0	2159.0	1293.2
Indicator value	**0.8**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Safety System Functional Failures	1	0	0	1	0	1	0	0
Indicator value	**1**	**1**	**1**	**2**	**1**	**2**	**2**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	9.80E-08	1.00E-07	1.00E-07	1.50E-07	1.50E-07	1.40E-07	1.44E-07	1.27E-07
URI (ΔCDF)	-2.20E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	7.17E-08	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.60E-08**	**7.90E-08**	**7.90E-08**	**1.29E-07**	**1.29E-07**	**1.19E-07**	**2.20E-07**	**1.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-3.60E-09	-1.50E-09	-1.80E-09	-1.80E-09	4.70E-09	1.20E-08	6.60E-09	1.01E-08
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.69E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.06E-08**	**-1.85E-08**	**-1.88E-08**	**-1.88E-08**	**-1.23E-08**	**-5.00E-09**	**-1.00E-08**	**-6.80E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	-3.70E-08	-3.00E-08	-3.20E-08	-9.00E-09	-9.00E-09	-1.30E-08	-1.35E-08	7.26E-09
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.29E-07	-1.32E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.67E-07**	**-1.60E-07**	**-1.62E-07**	**-1.39E-07**	**-1.39E-07**	**-1.43E-07**	**-1.40E-07**	**-1.30E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	-2.20E-08	-2.20E-08	8.90E-09	8.90E-09	8.90E-09	8.10E-09	7.87E-09	8.87E-09
URI (ΔCDF)	-1.30E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.20E-07	-1.07E-07	-1.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.52E-07**	**-1.72E-07**	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-1.12E-07**	**-9.90E-08**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	1.80E-07	1.30E-07	4.10E-07	6.70E-07	8.60E-07	7.40E-07	1.03E-06	1.14E-06
URI (ΔCDF)	-5.00E-07	-5.10E-07	-5.10E-07	-4.70E-07	-4.70E-07	-4.80E-07	-4.78E-07	-4.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-07**	**-3.80E-07**	**-1.00E-07**	**2.00E-07**	**3.90E-07**	**2.60E-07**	**5.50E-07**	**6.60E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum activity	0.000280	0.000240	0.000240	N/A	0.000120	0.000130	0.000140	0.000015	0.000160	0.000160	0.000160	0.000180
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum activity	0.000170	0.000180	0.000180	0.000180	0.000190	0.000230	0.000200	0.000200	0.000239	0.000207	N/A	0.000112
Technical specification limit	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**

Licensee Comments:

6/10: U2 exited refueling outage and achieved >= 85% power on 5/28/10, however did not achieve 3 days steady state.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum leakage	0.501	0.736	0.206	0	0	0.201	0.042	0.238	0.264	0.025	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**5.0**	**7.4**	**2.1**	**0**	**0**	**2.0**	**0.4**	**2.4**	**2.6**	**0.3**	**0**	**0**
Reactor Coolant System Leakage	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum leakage	0.063	0	0.008	0.008	0	0	0.024	0.021	0.025	0.025	0.053	0.099
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0**	**0.1**	**0.1**	**0**	**0**	**0.2**	**0.2**	**0.3**	**0.3**	**0.5**	**1.0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	41.0	16.0	99.0	43.0	9.0	20.0	48.0	30.0
Total opportunities	44.0	18.0	99.0	44.0	9.0	20.0	50.0	32.0
Indicator value	**95.7%**	**95.3%**	**95.8%**	**95.9%**	**96.5%**	**96.7%**	**97.3%**	**96.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	160.0	158.0	160.0	175.0	162.0	159.0	144.0	140.0
Total Key personnel	163.0	159.0	160.0	175.0	164.0	165.0	148.0	149.0
Indicator value	**98.2%**	**99.4%**	**100.0%**	**100.0%**	**98.8%**	**96.4%**	**97.3%**	**94.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	1515	1517	1401	1520	1636	1517	1510	1515
Total sirens-tests	1521	1521	1404	1521	1638	1521	1521	1521
Indicator value	**98.8%**	**98.8%**	**98.9%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	1	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: July 26, 2010

Prairie Island 2

3Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	1.0	0	0	0	0	0	2.0	0
Critical hours	1477.8	2159.0	2184.0	2208.0	2209.0	2159.0	1293.2	2208.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**1.8**	**1.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1477.8	2159.0	2184.0	2208.0	2209.0	2159.0	1293.2	2208.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Safety System Functional Failures	0	0	1	0	1	0	0	2
Indicator value	**1**	**1**	**2**	**1**	**2**	**2**	**1**	**3**

Licensee Comments:

3Q/10: 7/16/2010 - LER 50-306/2010-003-00, Unit 2 Fuel Oil Transfer Pumps are Vulnerable To A Potential Common Mode Failure, 8/9/2010 - LER 50-282/2010-003-00, Postulated Flooding of Battery Rooms Due To Inadequate Battery Room Door Threshold Seals

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	1.00E-07	1.00E-07	1.50E-07	1.50E-07	1.40E-07	1.44E-07	1.27E-07	1.25E-07
URI (ΔCDF)	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	7.17E-08	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.90E-08**	**7.90E-08**	**1.29E-07**	**1.29E-07**	**1.19E-07**	**2.20E-07**	**1.90E-08**	**1.80E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-1.50E-09	-1.80E-09	-1.80E-09	4.70E-09	1.20E-08	6.60E-09	1.01E-08	6.24E-09
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.69E-08	-1.69E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.85E-08**	**-1.88E-08**	**-1.88E-08**	**-1.23E-08**	**-5.00E-09**	**-1.00E-08**	**-6.80E-09**	**-1.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-3.00E-08	-3.20E-08	-9.00E-09	-9.00E-09	-1.30E-08	-1.35E-08	7.26E-09	7.87E-09
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.29E-07	-1.32E-07	-1.32E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.62E-07**	**-1.39E-07**	**-1.39E-07**	**-1.43E-07**	**-1.40E-07**	**-1.30E-07**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-2.20E-08	8.90E-09	8.90E-09	8.90E-09	8.10E-09	7.87E-09	8.87E-09	8.87E-09
URI (ΔCDF)	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.20E-07	-1.07E-07	-1.31E-07	-1.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.72E-07**	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-1.12E-07**	**-9.90E-08**	**-1.20E-07**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	1.30E-07	4.10E-07	6.70E-07	8.60E-07	7.40E-07	1.03E-06	1.14E-06	1.42E-06
URI (ΔCDF)	-5.10E-07	-5.10E-07	-4.70E-07	-4.70E-07	-4.80E-07	-4.78E-07	-4.80E-07	-4.54E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-07**	**-1.00E-07**	**2.00E-07**	**3.90E-07**	**2.60E-07**	**5.50E-07**	**6.60E-07**	**9.60E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	N/A	0.000120	0.000130	0.000140	0.000015	0.000160	0.000160	0.000160	0.000180	0.000170	0.000180	0.000180
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	0.000180	0.000190	0.000230	0.000200	0.000200	0.000239	0.000207	N/A	0.000112	0.000119	0.000108	0.000150
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum leakage	0	0	0.201	0.042	0.238	0.264	0.025	0	0	0.063	0	0.008
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**2.0**	**0.4**	**2.4**	**2.6**	**0.3**	**0**	**0**	**0.6**	**0**	**0.1**
Reactor Coolant System Leakage	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum leakage	0.008	0	0	0.024	0.021	0.025	0.025	0.053	0.099	0.101	0.076	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0**	**0**	**0.2**	**0.2**	**0.3**	**0.3**	**0.5**	**1.0**	**1.0**	**0.8**	**1.0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	16.0	99.0	43.0	9.0	20.0	48.0	30.0	60.0
Total opportunities	18.0	99.0	44.0	9.0	20.0	52.0	32.0	60.0
Indicator value	**95.3%**	**95.8%**	**95.9%**	**96.5%**	**96.7%**	**96.7%**	**96.2%**	**97.3%**

Licensee Comments:

1Q/10: 2 DEP opportunities were not counted due to inadequate knowledge of NEI 99-02 Rev 6 requirements. These are considered failures due to insufficient records to substantiate success.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	158.0	160.0	175.0	162.0	159.0	144.0	140.0	150.0
Total Key personnel	159.0	160.0	175.0	164.0	165.0	148.0	149.0	151.0
Indicator value	**99.4%**	**100.0%**	**100.0%**	**98.8%**	**96.4%**	**97.3%**	**94.0%**	**99.3%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	1517	1401	1520	1636	1517	1510	1515	1516
Total sirens-tests	1521	1404	1521	1638	1521	1521	1521	1521
Indicator value	**98.8%**	**98.9%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.6%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	1	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: October 25, 2010

Prairie Island 2

4Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	0	0	0	0	0	2.0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2159.0	1293.2	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**1.8**	**1.8**	**1.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2159.0	1293.2	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Safety System Functional Failures	0	1	0	0	0	0	2	0
Indicator value	**1**	**2**	**1**	**1**	**1**	**0**	**2**	**2**

Licensee Comments:

4Q/09: Letter L-PI-10-114 retracted previous SSFF LER 1-09-06

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	1.00E-07	1.50E-07	1.50E-07	1.40E-07	1.44E-07	1.27E-07	1.25E-07	5.28E-08
URI (ΔCDF)	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	7.17E-08	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.90E-08**	**1.29E-07**	**1.29E-07**	**1.19E-07**	**2.20E-07**	**1.90E-08**	**1.80E-08**	**-5.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-1.80E-09	-1.80E-09	4.70E-09	1.20E-08	6.60E-09	1.01E-08	6.24E-09	1.11E-08
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.88E-08**	**-1.88E-08**	**-1.23E-08**	**-5.00E-09**	**-1.00E-08**	**-6.80E-09**	**-1.10E-08**	**-5.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	-3.20E-08	-9.00E-09	-9.00E-09	-1.30E-08	-1.35E-08	7.26E-09	7.87E-09	8.61E-09
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.29E-07	-1.32E-07	-1.32E-07	-1.32E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.62E-07**	**-1.39E-07**	**-1.39E-07**	**-1.43E-07**	**-1.40E-07**	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	8.90E-09	8.90E-09	8.90E-09	8.10E-09	7.87E-09	8.87E-09	8.87E-09	8.87E-09
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.20E-07	-1.07E-07	-1.31E-07	-1.31E-07	-1.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-1.12E-07**	**-9.90E-08**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	4.10E-07	6.70E-07	8.60E-07	7.40E-07	1.03E-06	1.14E-06	1.42E-06	9.98E-07
URI (ΔCDF)	-5.10E-07	-4.70E-07	-4.70E-07	-4.80E-07	-4.78E-07	-4.80E-07	-4.54E-07	-4.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**2.00E-07**	**3.90E-07**	**2.60E-07**	**5.50E-07**	**6.60E-07**	**9.60E-07**	**5.50E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum activity	0.000140	0.000015	0.000160	0.000160	0.000160	0.000180	0.000170	0.000180	0.000180	0.000180	0.000190	0.000230
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum activity	0.000200	0.000200	0.000239	0.000207	N/A	0.000112	0.000119	0.000108	0.000150	0.000140	0.000147	0.000161
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum leakage	0.042	0.238	0.264	0.025	0	0	0.063	0	0.008	0.008	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**2.4**	**2.6**	**0.3**	**0**	**0**	**0.6**	**0**	**0.1**	**0.1**	**0**	**0**

Reactor Coolant System Leakage	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum leakage	0.024	0.021	0.025	0.025	0.053	0.099	0.101	0.076	0.100	0.273	0.391	0.268
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.2**	**0.3**	**0.3**	**0.5**	**1.0**	**1.0**	**0.8**	**1.0**	**2.7**	**3.9**	**2.7**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	99.0	43.0	9.0	20.0	48.0	30.0	60.0	23.0
Total opportunities	99.0	44.0	9.0	20.0	52.0	32.0	60.0	24.0
Indicator value	**95.8%**	**95.9%**	**96.5%**	**96.7%**	**96.7%**	**96.2%**	**97.3%**	**97.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Participating Key personnel	160.0	175.0	162.0	159.0	144.0	140.0	150.0	155.0
Total Key personnel	160.0	175.0	164.0	165.0	148.0	149.0	151.0	156.0
Indicator value	**100.0%**	**100.0%**	**98.8%**	**96.4%**	**97.3%**	**94.0%**	**99.3%**	**99.4%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	1401	1520	1636	1517	1510	1515	1516	1517
Total sirens-tests	1404	1521	1638	1521	1521	1521	1521	1521
Indicator value	**98.9%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.6%**	**99.6%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	1	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: January 24, 2011

Prairie Island 2

1Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	0	0	0	0	2.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1293.2	2208.0	2209.0	2159.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**1.8**	**1.8**	**1.8**	**1.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1293.2	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Safety System Functional Failures	1	0	1	0	0	2	0	1
Indicator value	**2**	**1**	**2**	**2**	**1**	**3**	**2**	**3**

Licensee Comments:

1Q/11: LER 50-282/2010-004-00 - 1/28/2011 - Battery Charger Inoperability due to Potential Undervoltage Conditions

4Q/09: Letter L-PI-11-023 reinstated SSFF - LER 1-09-06 - 12/17/2009

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	1.50E-07	1.50E-07	1.40E-07	1.44E-07	1.27E-07	1.25E-07	5.28E-08	9.44E-08
URI (ΔCDF)	-2.10E-08	-2.10E-08	-2.10E-08	7.17E-08	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.29E-07**	**1.29E-07**	**1.19E-07**	**2.20E-07**	**1.90E-08**	**1.80E-08**	**-5.50E-08**	**-1.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-1.80E-09	4.70E-09	1.20E-08	6.60E-09	1.01E-08	6.24E-09	1.11E-08	1.00E-08
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.88E-08**	**-1.23E-08**	**-5.00E-09**	**-1.00E-08**	**-6.80E-09**	**-1.10E-08**	**-5.90E-09**	**-6.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	-9.00E-09	-9.00E-09	-1.30E-08	-1.35E-08	7.26E-09	7.87E-09	8.61E-09	1.41E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.29E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.32E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.39E-07**	**-1.39E-07**	**-1.43E-07**	**-1.40E-07**	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	8.90E-09	8.90E-09	8.10E-09	7.87E-09	8.87E-09	8.87E-09	8.87E-09	8.90E-09
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.20E-07	-1.07E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.31E-07**	**-1.31E-07**	**-1.12E-07**	**-9.90E-08**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	6.70E-07	8.60E-07	7.40E-07	1.03E-06	1.14E-06	1.42E-06	9.98E-07	9.78E-07
URI (ΔCDF)	-4.70E-07	-4.70E-07	-4.80E-07	-4.78E-07	-4.80E-07	-4.54E-07	-4.50E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-07**	**3.90E-07**	**2.60E-07**	**5.50E-07**	**6.60E-07**	**9.60E-07**	**5.50E-07**	**5.30E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum activity	0.000160	0.000160	0.000180	0.000170	0.000180	0.000180	0.000180	0.000190	0.000230	0.000200	0.000200	0.000239
Technical specification limit	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000207	N/A	0.000112	0.000119	0.000108	0.000150	0.000140	0.000147	0.000161	0.000152	0.000160	0.000162
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	0.025	0	0	0.063	0	0.008	0.008	0	0	0.024	0.021	0.025
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0**	**0**	**0.6**	**0**	**0.1**	**0.1**	**0**	**0**	**0.2**	**0.2**	**0.3**

Reactor Coolant System Leakage	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum leakage	0.025	0.053	0.099	0.101	0.076	0.100	0.273	0.391	0.268	0.242	0.164	0.150
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.5**	**1.0**	**1.0**	**0.8**	**1.0**	**2.7**	**3.9**	**2.7**	**2.4**	**1.6**	**1.5**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	43.0	9.0	20.0	48.0	30.0	60.0	23.0	40.0
Total opportunities	44.0	9.0	20.0	52.0	32.0	60.0	24.0	40.0
Indicator value	**95.9%**	**96.5%**	**96.7%**	**96.7%**	**96.2%**	**97.3%**	**97.6%**	**97.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	175.0	162.0	159.0	144.0	140.0	150.0	153.0	141.0
Total Key personnel	175.0	164.0	165.0	148.0	149.0	151.0	154.0	142.0
Indicator value	**100.0%**	**98.8%**	**96.4%**	**97.3%**	**94.0%**	**99.3%**	**99.4%**	**99.3%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	1520	1636	1517	1510	1515	1516	1517	1519
Total sirens-tests	1521	1638	1521	1521	1521	1521	1521	1521
Indicator value	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.6%**	**99.6%**	**99.6%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	1	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: May 4, 2011

Prairie Island 2

2Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	0	0	2.0	0	0	0	1.0
Critical hours	2208.0	2209.0	2159.0	1293.2	2208.0	2209.0	2159.0	2163.4
Indicator value	**0.9**	**0**	**0**	**1.8**	**1.8**	**1.8**	**1.8**	**0.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1293.2	2208.0	2209.0	2159.0	2163.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	0	1	0	0	2	0	1	1
Indicator value	**1**	**2**	**2**	**1**	**3**	**2**	**3**	**4**

Licensee Comments:

2Q/11: LER 50306/2011-001-00 Unit 2 Shield Building Inoperable

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	1.50E-07	1.40E-07	1.44E-07	1.27E-07	1.25E-07	5.28E-08	9.44E-08	9.46E-08
URI (ΔCDF)	-2.10E-08	-2.10E-08	7.17E-08	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.29E-07**	**1.19E-07**	**2.20E-07**	**1.90E-08**	**1.80E-08**	**-5.50E-08**	**-1.30E-08**	**-1.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	4.70E-09	1.20E-08	6.60E-09	1.01E-08	6.24E-09	1.11E-08	1.00E-08	1.00E-08
URI (ΔCDF)	-1.70E-08	-1.70E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.23E-08**	**-5.00E-09**	**-1.00E-08**	**-6.80E-09**	**-1.10E-08**	**-5.90E-09**	**-6.90E-09**	**-6.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	-9.00E-09	-1.30E-08	-1.35E-08	7.26E-09	7.87E-09	8.61E-09	1.41E-08	1.42E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.29E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.34E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.39E-07**	**-1.43E-07**	**-1.40E-07**	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	8.90E-09	8.10E-09	7.87E-09	8.87E-09	8.87E-09	8.87E-09	8.90E-09	8.93E-09
URI (ΔCDF)	-1.40E-07	-1.20E-07	-1.07E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.31E-07**	**-1.12E-07**	**-9.90E-08**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	8.60E-07	7.40E-07	1.03E-06	1.14E-06	1.42E-06	9.98E-07	9.78E-07	1.03E-06
URI (ΔCDF)	-4.70E-07	-4.80E-07	-4.78E-07	-4.80E-07	-4.54E-07	-4.50E-07	-4.47E-07	-4.47E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.90E-07**	**2.60E-07**	**5.50E-07**	**6.60E-07**	**9.60E-07**	**5.50E-07**	**5.30E-07**	**5.80E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum activity	0.000170	0.000180	0.000180	0.000180	0.000190	0.000230	0.000200	0.000200	0.000239	0.000207	N/A	0.000112
Technical specification limit	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**

Reactor Coolant System Activity	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum activity	0.000119	0.000108	0.000150	0.000140	0.000147	0.000161	0.000152	0.000160	0.000162	0.000169	0.000173	0.000177
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum leakage	0.063	0	0.008	0.008	0	0	0.024	0.021	0.025	0.025	0.053	0.099
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0**	**0.1**	**0.1**	**0**	**0**	**0.2**	**0.2**	**0.3**	**0.3**	**0.5**	**1.0**
Reactor Coolant System Leakage	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum leakage	0.101	0.076	0.100	0.273	0.391	0.268	0.242	0.164	0.150	0.267	0.204	0.169
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**0.8**	**1.0**	**2.7**	**3.9**	**2.7**	**2.4**	**1.6**	**1.5**	**2.7**	**2.0**	**1.7**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	9.0	20.0	48.0	30.0	60.0	23.0	40.0	6.0
Total opportunities	9.0	20.0	52.0	32.0	60.0	24.0	40.0	6.0
Indicator value	**96.5%**	**96.7%**	**96.7%**	**96.2%**	**97.3%**	**97.6%**	**97.2%**	**97.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	162.0	159.0	144.0	140.0	150.0	153.0	141.0	141.0
Total Key personnel	164.0	165.0	148.0	149.0	151.0	154.0	142.0	141.0
Indicator value	**98.8%**	**96.4%**	**97.3%**	**94.0%**	**99.3%**	**99.4%**	**99.3%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	1636	1517	1510	1515	1516	1517	1519	1512
Total sirens-tests	1638	1521	1521	1521	1521	1521	1521	1521
Indicator value	**99.8%**	**99.8%**	**99.7%**	**99.6%**	**99.6%**	**99.6%**	**99.7%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	1	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: July 22, 2011

Prairie Island 2

3Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	0	0	2.0	0	0	0	1.0	0
Critical hours	2209.0	2159.0	1293.2	2208.0	2209.0	2159.0	2163.4	2208.0
Indicator value	**0**	**0**	**1.8**	**1.8**	**1.8**	**1.8**	**0.8**	**0.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1293.2	2208.0	2209.0	2159.0	2163.4	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Safety System Functional Failures	1	0	0	2	0	1	1	1
Indicator value	**2**	**2**	**1**	**3**	**2**	**3**	**4**	**3**

Licensee Comments:

3Q/11: LER # 50-306/2011-003-00. Report date 8/23/2011 - Unit 2 Offsite Power Sources Declared Inoperable as a Consequence of the Loss of the 2RY Transformer Bus Duct (L-PI-11-066).

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	1.40E-07	1.44E-07	1.27E-07	1.25E-07	5.28E-08	9.44E-08	9.46E-08	1.17E-07
URI (ΔCDF)	-2.10E-08	7.17E-08	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	3.92E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.19E-07**	**2.20E-07**	**1.90E-08**	**1.80E-08**	**-5.50E-08**	**-1.30E-08**	**-1.30E-08**	**5.10E-07**

Licensee Comments:

3Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	1.20E-08	6.60E-09	1.01E-08	6.24E-09	1.11E-08	1.00E-08	1.00E-08	9.53E-09
URI (ΔCDF)	-1.70E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.00E-09**	**-1.00E-08**	**-6.80E-09**	**-1.10E-08**	**-5.90E-09**	**-6.90E-09**	**-6.90E-09**	**-7.40E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	-1.30E-08	-1.35E-08	7.26E-09	7.87E-09	8.61E-09	1.41E-08	1.42E-08	1.29E-08
URI (ΔCDF)	-1.30E-07	-1.29E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.34E-07	-1.33E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.43E-07**	**-1.40E-07**	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	8.10E-09	7.87E-09	8.87E-09	8.87E-09	8.87E-09	8.90E-09	8.93E-09	8.60E-09
URI (ΔCDF)	-1.20E-07	-1.07E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.12E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.12E-07**	**-9.90E-08**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.00E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	7.40E-07	1.03E-06	1.14E-06	1.42E-06	9.98E-07	9.78E-07	1.03E-06	9.39E-07
URI (ΔCDF)	-4.80E-07	-4.78E-07	-4.80E-07	-4.54E-07	-4.50E-07	-4.47E-07	-4.47E-07	-4.41E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.60E-07**	**5.50E-07**	**6.60E-07**	**9.60E-07**	**5.50E-07**	**5.30E-07**	**5.80E-07**	**5.00E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum activity	0.000180	0.000190	0.000230	0.000200	0.000200	0.000239	0.000207	N/A	0.000112	0.000119	0.000108	0.000150
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum activity	0.000140	0.000147	0.000161	0.000152	0.000160	0.000162	0.000169	0.000173	0.000177	0.000211	0.000181	0.000182
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum leakage	0.008	0	0	0.024	0.021	0.025	0.025	0.053	0.099	0.101	0.076	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0**	**0**	**0.2**	**0.2**	**0.3**	**0.3**	**0.5**	**1.0**	**1.0**	**0.8**	**1.0**
Reactor Coolant System Leakage	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum leakage	0.273	0.391	0.268	0.242	0.164	0.150	0.267	0.204	0.169	0.125	0.339	0.355
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.7**	**3.9**	**2.7**	**2.4**	**1.6**	**1.5**	**2.7**	**2.0**	**1.7**	**1.3**	**3.4**	**3.6**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	20.0	48.0	30.0	60.0	22.0	40.0	6.0	29.0
Total opportunities	20.0	52.0	32.0	60.0	23.0	40.0	6.0	32.0
Indicator value	**96.7%**	**96.7%**	**96.2%**	**97.3%**	**97.6%**	**97.1%**	**97.1%**	**96.2%**

Licensee Comments:

4Q/10: Error was discovered in 4th quarter 2010 data. DEP credit was taken for unanticipated notification.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	159.0	144.0	140.0	150.0	153.0	141.0	141.0	143.0
Total Key personnel	165.0	148.0	149.0	151.0	154.0	142.0	141.0	143.0
Indicator value	**96.4%**	**97.3%**	**94.0%**	**99.3%**	**99.4%**	**99.3%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	1517	1510	1515	1516	1517	1519	1512	1463
Total sirens-tests	1521	1521	1521	1521	1521	1521	1521	1521
Indicator value	**99.8%**	**99.7%**	**99.6%**	**99.6%**	**99.6%**	**99.7%**	**99.7%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	1	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: November 29, 2011

Prairie Island 2

4Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	2.0	0	0	0	1.0	0	0
Critical hours	2159.0	1293.2	2208.0	2209.0	2159.0	2163.4	2208.0	1849.9
Indicator value	**0**	**1.8**	**1.8**	**1.8**	**1.8**	**0.8**	**0.8**	**0.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	1293.2	2208.0	2209.0	2159.0	2163.4	2208.0	1849.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Safety System Functional Failures	0	0	2	0	1	1	1	0
Indicator value	**2**	**1**	**3**	**2**	**3**	**4**	**3**	**3**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	1.44E-07	1.27E-07	1.25E-07	5.28E-08	9.44E-08	9.46E-08	1.17E-07	7.89E-07
URI (ΔCDF)	7.17E-08	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	3.92E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-07**	**1.90E-08**	**1.80E-08**	**-5.50E-08**	**-1.30E-08**	**-1.30E-08**	**5.10E-07**	**6.40E-07**

Licensee Comments:

4Q/11: Risk Cap Invoked. Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	6.60E-09	1.01E-08	6.24E-09	1.11E-08	1.00E-08	1.00E-08	9.53E-09	2.34E-08
URI (ΔCDF)	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-3.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-08**	**-6.80E-09**	**-1.10E-08**	**-5.90E-09**	**-6.90E-09**	**-6.90E-09**	**-7.40E-09**	**-7.90E-09**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	-1.35E-08	7.26E-09	7.87E-09	8.61E-09	1.41E-08	1.42E-08	1.29E-08	1.57E-08
URI (ΔCDF)	-1.29E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.34E-07	-1.33E-07	-1.81E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.70E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	7.87E-09	8.87E-09	8.87E-09	8.87E-09	8.90E-09	8.93E-09	8.60E-09	1.49E-08
URI (ΔCDF)	-1.07E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.12E-07	-1.21E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.90E-08**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.00E-07**	**-1.10E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	1.03E-06	1.14E-06	1.42E-06	9.98E-07	9.78E-07	1.03E-06	9.39E-07	3.45E-07
URI (ΔCDF)	-4.78E-07	-4.80E-07	-4.54E-07	-4.50E-07	-4.47E-07	-4.47E-07	-4.41E-07	-2.59E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.50E-07**	**6.60E-07**	**9.60E-07**	**5.50E-07**	**5.30E-07**	**5.80E-07**	**5.00E-07**	**8.60E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum activity	0.000200	0.000200	0.000239	0.000207	N/A	0.000112	0.000119	0.000108	0.000150	0.000140	0.000147	0.000161
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum activity	0.000152	0.000160	0.000162	0.000169	0.000173	0.000177	0.000211	0.000181	0.000182	0.000195	0.000201	0.000200
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	0.024	0.021	0.025	0.025	0.053	0.099	0.101	0.076	0.100	0.273	0.391	0.268
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.2**	**0.3**	**0.3**	**0.5**	**1.0**	**1.0**	**0.8**	**1.0**	**2.7**	**3.9**	**2.7**
Reactor Coolant System Leakage	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum leakage	0.242	0.164	0.150	0.267	0.204	0.169	0.125	0.339	0.355	0.109	0.133	0.102
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.4**	**1.6**	**1.5**	**2.7**	**2.0**	**1.7**	**1.3**	**3.4**	**3.6**	**1.1**	**1.3**	**1.0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	48.0	30.0	60.0	22.0	40.0	6.0	29.0	27.0
Total opportunities	52.0	32.0	60.0	23.0	40.0	6.0	32.0	27.0
Indicator value	**96.7%**	**96.2%**	**97.3%**	**97.6%**	**97.1%**	**97.1%**	**96.2%**	**96.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	144.0	140.0	150.0	153.0	141.0	141.0	143.0	145.0
Total Key personnel	148.0	149.0	151.0	154.0	142.0	141.0	143.0	145.0
Indicator value	**97.3%**	**94.0%**	**99.3%**	**99.4%**	**99.3%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	1510	1515	1516	1517	1519	1512	1463	1514
Total sirens-tests	1521	1521	1521	1521	1521	1521	1521	1521
Indicator value	**99.7%**	**99.6%**	**99.6%**	**99.6%**	**99.7%**	**99.7%**	**98.8%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	1	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: February 2, 2012

Prairie Island 2

1Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	2.0	0	0	0	1.0	0	0	1.0
Critical hours	1293.2	2208.0	2209.0	2159.0	2163.4	2208.0	1849.9	1247.7
Indicator value	**1.8**	**1.8**	**1.8**	**1.8**	**0.8**	**0.8**	**0.8**	**1.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1293.2	2208.0	2209.0	2159.0	2163.4	2208.0	1849.9	1247.7
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	2	0	1	1	1	0	0
Indicator value	**1**	**3**	**2**	**3**	**4**	**3**	**3**	**2**

Licensee Comments:

3Q/11: LER # 50-306/2011-003-00. Report date 8/23/2011 - Unit 2 Offsite Power Sources Declared Inoperable as a Consequence of the Loss of the 2RY Transformer Bus Duct (L-PI-11-066).

2Q/11: LER 50306/2011-001-00 Unit 2 Shield Building Inoperable

1Q/11: LER 50-282/2010-004-00 - 1/28/2011 - Battery Charger Inoperability due to Potential Undervoltage Conditions

3Q/10: 7/16/2010 - LER 50-306/2010-003-00, Unit 2 Fuel Oil Transfer Pumps are Vulnerable To A Potential Common Mode Failure, 8/9/2010 - LER 50-282/2010-003-00, Postulated Flooding of Battery Rooms Due To Inadequate Battery Room Door Threshold Seals

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	1.27E-07	1.25E-07	5.28E-08	9.44E-08	9.46E-08	1.17E-07	7.89E-07	4.00E-07
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	3.92E-07	-1.50E-07	-1.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.90E-08**	**1.80E-08**	**-5.50E-08**	**-1.30E-08**	**-1.30E-08**	**5.10E-07**	**6.40E-07**	**2.60E-07**

Licensee Comments:

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. Changed PRA Parameter(s).

3Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	1.01E-08	6.24E-09	1.11E-08	1.00E-08	1.00E-08	9.53E-09	2.34E-08	2.56E-08
URI (ΔCDF)	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-3.13E-08	-3.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.80E-09**	**-1.10E-08**	**-5.90E-09**	**-6.90E-09**	**-6.90E-09**	**-7.40E-09**	**-7.90E-09**	**-5.80E-09**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	7.26E-09	7.87E-09	8.61E-09	1.41E-08	1.42E-08	1.29E-08	1.57E-08	2.01E-08
URI (ΔCDF)	-1.32E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.34E-07	-1.33E-07	-1.81E-07	-1.86E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.70E-07**	**-1.70E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	8.87E-09	8.87E-09	8.87E-09	8.90E-09	8.93E-09	8.60E-09	1.49E-08	-2.94E-08
URI (ΔCDF)	-1.31E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.12E-07	-1.21E-07	-1.38E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.00E-07**	**-1.10E-07**	**-1.70E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	1.14E-06	1.42E-06	9.98E-07	9.78E-07	1.03E-06	9.39E-07	3.45E-07	3.51E-07
URI (ΔCDF)	-4.80E-07	-4.54E-07	-4.50E-07	-4.47E-07	-4.47E-07	-4.41E-07	-2.59E-07	-2.61E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.60E-07**	**9.60E-07**	**5.50E-07**	**5.30E-07**	**5.80E-07**	**5.00E-07**	**8.60E-08**	**9.00E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000207	N/A	0.000112	0.000119	0.000108	0.000150	0.000140	0.000147	0.000161	0.000152	0.000160	0.000162
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.000169	0.000173	0.000177	0.000211	0.000181	0.000182	0.000195	0.000201	0.000200	0.000213	0.000212	N/A
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

Licensee Comments:

6/10: U2 exited refueling outage and achieved >= 85% power on 5/28/10, however did not achieve 3 days steady state.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum leakage	0.025	0.053	0.099	0.101	0.076	0.100	0.273	0.391	0.268	0.242	0.164	0.150
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.5**	**1.0**	**1.0**	**0.8**	**1.0**	**2.7**	**3.9**	**2.7**	**2.4**	**1.6**	**1.5**
Reactor Coolant System Leakage	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum leakage	0.267	0.204	0.169	0.125	0.339	0.355	0.109	0.133	0.102	0.144	0.156	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.7**	**2.0**	**1.7**	**1.3**	**3.4**	**3.6**	**1.1**	**1.3**	**1.0**	**1.4**	**1.6**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	30.0	60.0	22.0	40.0	6.0	29.0	27.0	23.0
Total opportunities	32.0	60.0	23.0	40.0	6.0	32.0	27.0	25.0
Indicator value	**96.2%**	**97.3%**	**97.6%**	**97.1%**	**97.1%**	**96.2%**	**96.3%**	**96.7%**

Licensee Comments:

4Q/10: Error was discovered in 4th quarter 2010 data. DEP credit was taken for unanticipated notification.

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	140.0	150.0	153.0	141.0	141.0	143.0	145.0	156.0
Total Key personnel	149.0	151.0	154.0	142.0	141.0	143.0	145.0	156.0
Indicator value	**94.0%**	**99.3%**	**99.4%**	**99.3%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	1515	1516	1517	1519	1512	1463	1514	1520
Total sirens-tests	1521	1521	1521	1521	1521	1521	1521	1521
Indicator value	**99.6%**	**99.6%**	**99.6%**	**99.7%**	**99.7%**	**98.8%**	**98.8%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: April 24, 2012

Prairie Island 2

2Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned scrams	0	0	0	1.0	0	0	1.0	0
Critical hours	2208.0	2209.0	2159.0	2163.4	2208.0	1849.9	1247.7	814.0
Indicator value	**1.8**	**1.8**	**1.8**	**0.8**	**0.8**	**0.8**	**1.9**	**1.1**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2163.4	2208.0	1849.9	1247.7	814.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Safety System Functional Failures	2	0	1	1	1	0	0	0
Indicator value	**3**	**2**	**3**	**4**	**3**	**3**	**2**	**1**

Licensee Comments:

3Q/11: LER # 50-306/2011-003-00. Report date 8/23/2011 - Unit 2 Offsite Power Sources Declared Inoperable as a Consequence of the Loss of the 2RY Transformer Bus Duct (L-PI-11-066).

2Q/11: LER 50306/2011-001-00 Unit 2 Shield Building Inoperable

1Q/11: LER 50-282/2010-004-00 - 1/28/2011 - Battery Charger Inoperability due to Potential Undervoltage Conditions

3Q/10: 7/16/2010 - LER 50-306/2010-003-00, Unit 2 Fuel Oil Transfer Pumps are Vulnerable To A Potential Common Mode Failure, 8/9/2010 - LER 50-282/2010-003-00, Postulated Flooding of Battery Rooms Due To Inadequate Battery Room Door Threshold Seals

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	1.25E-07	5.28E-08	9.44E-08	9.46E-08	1.17E-07	7.89E-07	4.00E-07	3.26E-07
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	3.92E-07	-1.50E-07	-1.37E-07	-1.24E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-08**	**-5.50E-08**	**-1.30E-08**	**-1.30E-08**	**5.10E-07**	**6.40E-07**	**2.60E-07**	**2.00E-07**

Licensee Comments:

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. Changed PRA Parameter(s).

3Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	6.24E-09	1.11E-08	1.00E-08	1.00E-08	9.53E-09	2.34E-08	2.56E-08	2.55E-08
URI (ΔCDF)	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-3.13E-08	-3.14E-08	-3.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-08**	**-5.90E-09**	**-6.90E-09**	**-6.90E-09**	**-7.40E-09**	**-7.90E-09**	**-5.80E-09**	**-6.20E-09**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	7.87E-09	8.61E-09	1.41E-08	1.42E-08	1.29E-08	1.57E-08	2.01E-08	1.17E-09
URI (ΔCDF)	-1.32E-07	-1.32E-07	-1.32E-07	-1.34E-07	-1.33E-07	-1.81E-07	-1.86E-07	-1.88E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.70E-07**	**-1.70E-07**	**-1.90E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**
UAI (ΔCDF)	8.87E-09	8.87E-09	8.90E-09	8.93E-09	8.60E-09	1.49E-08	-2.94E-08	-2.94E-08
URI (ΔCDF)	-1.31E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.12E-07	-1.21E-07	-1.38E-07	3.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.00E-07**	**-1.10E-07**	**-1.70E-07**	**2.80E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	1.42E-06	9.98E-07	9.78E-07	1.03E-06	9.39E-07	3.45E-07	3.51E-07	2.86E-07
URI (ΔCDF)	-4.54E-07	-4.50E-07	-4.47E-07	-4.47E-07	-4.41E-07	-2.59E-07	-2.61E-07	-3.29E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.60E-07**	**5.50E-07**	**5.30E-07**	**5.80E-07**	**5.00E-07**	**8.60E-08**	**9.00E-08**	**-4.20E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum activity	0.000119	0.000108	0.000150	0.000140	0.000147	0.000161	0.000152	0.000160	0.000162	0.000169	0.000173	0.000177
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum activity	0.000211	0.000181	0.000182	0.000195	0.000201	0.000200	0.000213	0.000212	N/A	N/A	N/A	0.000106
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**N/A**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	0.101	0.076	0.100	0.273	0.391	0.268	0.242	0.164	0.150	0.267	0.204	0.169
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**0.8**	**1.0**	**2.7**	**3.9**	**2.7**	**2.4**	**1.6**	**1.5**	**2.7**	**2.0**	**1.7**
Reactor Coolant System Leakage	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum leakage	0.125	0.339	0.355	0.109	0.133	0.102	0.144	0.156	0	0	0.208	0.169
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.3**	**3.4**	**3.6**	**1.1**	**1.3**	**1.0**	**1.4**	**1.6**	**0**	**0**	**2.1**	**1.7**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	60.0	22.0	40.0	6.0	29.0	27.0	26.0	14.0
Total opportunities	60.0	23.0	40.0	6.0	32.0	27.0	28.0	14.0
Indicator value	**97.3%**	**97.6%**	**97.1%**	**97.1%**	**96.2%**	**96.3%**	**96.8%**	**97.4%**

Licensee Comments:

1Q/12: Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.

4Q/10: Error was discovered in 4th quarter 2010 data. DEP credit was taken for unanticipated notification.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	150.0	153.0	141.0	141.0	143.0	145.0	156.0	155.0
Total Key personnel	151.0	154.0	142.0	141.0	143.0	145.0	156.0	155.0
Indicator value	**99.3%**	**99.4%**	**99.3%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	1516	1517	1519	1512	1463	1514	1520	1516
Total sirens-tests	1521	1521	1521	1521	1521	1521	1521	1521
Indicator value	**99.6%**	**99.6%**	**99.7%**	**99.7%**	**98.8%**	**98.8%**	**98.8%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Prairie Island 2

3Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	0	0	1.0	0	0	1.0	0	0
Critical hours	2209.0	2159.0	2163.4	2208.0	1849.9	1247.7	814.0	2208.0
Indicator value	**1.8**	**1.8**	**0.8**	**0.8**	**0.8**	**1.9**	**1.1**	**1.1**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2163.4	2208.0	1849.9	1247.7	814.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Safety System Functional Failures	0	1	1	1	0	0	0	1
Indicator value	**2**	**3**	**4**	**3**	**3**	**2**	**1**	**1**

Licensee Comments:

3Q/12: LER 50-306/2012-002-00, Sept 14, 2012, Unit 2 Diesel Generators inoperable due to missing hazard barrier.

3Q/11: LER # 50-306/2011-003-00. Report date 8/23/2011 - Unit 2 Offsite Power Sources Declared Inoperable as a Consequence of the Loss of the 2RY Transformer Bus Duct (L-PI-11-066).

2Q/11: LER 50306/2011-001-00 Unit 2 Shield Building Inoperable

1Q/11: LER 50-282/2010-004-00 - 1/28/2011 - Battery Charger Inoperability due to Potential Undervoltage Conditions

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	5.28E-08	9.44E-08	9.46E-08	1.17E-07	7.89E-07	4.00E-07	3.26E-07	3.26E-07
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	3.92E-07	-1.50E-07	-1.37E-07	-1.24E-07	-1.11E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.50E-08**	**-1.30E-08**	**-1.30E-08**	**5.10E-07**	**6.40E-07**	**2.60E-07**	**2.00E-07**	**2.10E-07**

Licensee Comments:

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. Changed PRA Parameter(s).

3Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	1.11E-08	1.00E-08	1.00E-08	9.53E-09	2.34E-08	2.56E-08	2.55E-08	2.33E-08
URI (ΔCDF)	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-3.13E-08	-3.14E-08	-3.17E-08	-3.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-09**	**-6.90E-09**	**-6.90E-09**	**-7.40E-09**	**-7.90E-09**	**-5.80E-09**	**-6.20E-09**	**-8.50E-09**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	8.61E-09	1.41E-08	1.42E-08	1.29E-08	1.57E-08	2.01E-08	1.17E-09	3.36E-09
URI (ΔCDF)	-1.32E-07	-1.32E-07	-1.34E-07	-1.33E-07	-1.81E-07	-1.86E-07	-1.88E-07	-1.88E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.70E-07**	**-1.70E-07**	**-1.90E-07**	**-1.80E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	8.87E-09	8.90E-09	8.93E-09	8.60E-09	1.49E-08	-2.94E-08	-2.94E-08	-2.94E-08
URI (ΔCDF)	-1.31E-07	-1.31E-07	-1.31E-07	-1.12E-07	-1.21E-07	-1.38E-07	3.06E-07	3.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.00E-07**	**-1.10E-07**	**-1.70E-07**	**2.80E-07**	**2.80E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	9.98E-07	9.78E-07	1.03E-06	9.39E-07	3.45E-07	3.51E-07	2.86E-07	2.62E-07
URI (ΔCDF)	-4.50E-07	-4.47E-07	-4.47E-07	-4.41E-07	-2.59E-07	-2.61E-07	-3.29E-07	-3.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.50E-07**	**5.30E-07**	**5.80E-07**	**5.00E-07**	**8.60E-08**	**9.00E-08**	**-4.20E-08**	**-6.90E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum activity	0.000140	0.000147	0.000161	0.000152	0.000160	0.000162	0.000169	0.000173	0.000177	0.000211	0.000181	0.000182
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum activity	0.000195	0.000201	0.000200	0.000213	0.000212	N/A	N/A	N/A	0.000106	0.000110	0.000112	0.000115
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**N/A**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	0.273	0.391	0.268	0.242	0.164	0.150	0.267	0.204	0.169	0.125	0.339	0.355
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.7**	**3.9**	**2.7**	**2.4**	**1.6**	**1.5**	**2.7**	**2.0**	**1.7**	**1.3**	**3.4**	**3.6**
Reactor Coolant System Leakage	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum leakage	0.109	0.133	0.102	0.144	0.156	0	0	0.208	0.169	0.201	0.231	0.262
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.1**	**1.3**	**1.0**	**1.4**	**1.6**	**0**	**0**	**2.1**	**1.7**	**2.0**	**2.3**	**2.6**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful opportunities	22.0	40.0	6.0	29.0	27.0	26.0	14.0	31.0
Total opportunities	23.0	40.0	6.0	32.0	27.0	28.0	14.0	32.0
Indicator value	**97.6%**	**97.1%**	**97.1%**	**96.2%**	**96.3%**	**96.8%**	**97.4%**	**96.5%**

Licensee Comments:

1Q/12: Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.

4Q/10: Error was discovered in 4th quarter 2010 data. DEP credit was taken for unanticipated notification.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	153.0	141.0	141.0	143.0	145.0	156.0	155.0	157.0
Total Key personnel	154.0	142.0	141.0	143.0	145.0	156.0	155.0	161.0
Indicator value	**99.4%**	**99.3%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**97.5%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful siren-tests	1517	1519	1512	1463	1514	1520	1516	1520
Total sirens-tests	1521	1521	1521	1521	1521	1521	1521	1521
Indicator value	**99.6%**	**99.7%**	**99.7%**	**98.8%**	**98.8%**	**98.8%**	**98.8%**	**99.8%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: October 24, 2012

Prairie Island 2

4Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	1.0	0	0	1.0	0	0	0
Critical hours	2159.0	2163.4	2208.0	1849.9	1247.7	814.0	2208.0	2209.0
Indicator value	**1.8**	**0.8**	**0.8**	**0.8**	**1.9**	**1.1**	**1.1**	**1.1**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2163.4	2208.0	1849.9	1247.7	814.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Safety System Functional Failures	1	1	1	0	0	0	1	1
Indicator value	**3**	**4**	**3**	**3**	**2**	**1**	**1**	**2**

Licensee Comments:

3Q/12: LER 50-306/2012-002-00, Sept 14, 2012, Unit 2 Diesel Generators inoperable due to missing hazard barrier.

3Q/11: LER # 50-306/2011-003-00. Report date 8/23/2011 - Unit 2 Offsite Power Sources Declared Inoperable as a Consequence of the Loss of the 2RY Transformer Bus Duct (L-PI-11-066).

2Q/11: LER 50306/2011-001-00 Unit 2 Shield Building Inoperable

1Q/11: LER 50-282/2010-004-00 - 1/28/2011 - Battery Charger Inoperability due to Potential Undervoltage Conditions

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	9.44E-08	9.46E-08	1.17E-07	7.89E-07	4.00E-07	3.26E-07	3.26E-07	4.58E-07
URI (ΔCDF)	-1.08E-07	-1.08E-07	3.92E-07	-1.50E-07	-1.37E-07	-1.24E-07	-1.11E-07	3.58E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**5.10E-07**	**6.40E-07**	**2.60E-07**	**2.00E-07**	**2.10E-07**	**4.00E-06**

Licensee Comments:

4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. Changed PRA Parameter(s).

3Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	1.00E-08	1.00E-08	9.53E-09	2.34E-08	2.56E-08	2.55E-08	2.33E-08	-6.31E-09
URI (ΔCDF)	-1.69E-08	-1.69E-08	-1.69E-08	-3.13E-08	-3.14E-08	-3.17E-08	-3.18E-08	-3.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.90E-09**	**-6.90E-09**	**-7.40E-09**	**-7.90E-09**	**-5.80E-09**	**-6.20E-09**	**-8.50E-09**	**-3.80E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	1.41E-08	1.42E-08	1.29E-08	1.57E-08	2.01E-08	1.17E-09	3.36E-09	9.42E-09
URI (ΔCDF)	-1.32E-07	-1.34E-07	-1.33E-07	-1.81E-07	-1.86E-07	-1.88E-07	-1.88E-07	-1.88E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.70E-07**	**-1.70E-07**	**-1.90E-07**	**-1.80E-07**	**-1.80E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	8.90E-09	8.93E-09	8.60E-09	1.49E-08	-2.94E-08	-2.94E-08	-2.94E-08	-2.94E-08
URI (ΔCDF)	-1.31E-07	-1.31E-07	-1.12E-07	-1.21E-07	-1.38E-07	3.06E-07	3.06E-07	3.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-1.00E-07**	**-1.10E-07**	**-1.70E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	9.81E-07	1.03E-06	9.43E-07	3.53E-07	3.58E-07	2.96E-07	2.68E-07	2.90E-07
URI (ΔCDF)	-4.47E-07	-4.47E-07	-4.41E-07	-2.59E-07	-2.61E-07	-3.29E-07	-3.31E-07	-3.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.30E-07**	**5.80E-07**	**5.00E-07**	**9.40E-08**	**9.70E-08**	**-3.20E-08**	**-6.30E-08**	**-3.50E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum activity	0.000152	0.000160	0.000162	0.000169	0.000173	0.000177	0.000211	0.000181	0.000182	0.000195	0.000201	0.000200
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum activity	0.000213	0.000212	N/A	N/A	N/A	0.000106	0.000110	0.000112	0.000115	0.000122	0.000132	0.000135
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**N/A**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum leakage	0.242	0.164	0.150	0.267	0.204	0.169	0.125	0.339	0.355	0.109	0.133	0.102
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.4**	**1.6**	**1.5**	**2.7**	**2.0**	**1.7**	**1.3**	**3.4**	**3.6**	**1.1**	**1.3**	**1.0**
Reactor Coolant System Leakage	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum leakage	0.144	0.156	0	0	0.208	0.169	0.201	0.231	0.262	0.306	0.475	0.225
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**1.6**	**0**	**0**	**2.1**	**1.7**	**2.0**	**2.3**	**2.6**	**3.1**	**4.8**	**2.3**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	40.0	6.0	29.0	27.0	26.0	14.0	31.0	9.0
Total opportunities	40.0	6.0	32.0	27.0	28.0	14.0	32.0	10.0
Indicator value	**97.1%**	**97.1%**	**96.2%**	**96.3%**	**96.8%**	**97.4%**	**96.5%**	**96.3%**

Licensee Comments:

1Q/12: Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	141.0	141.0	143.0	145.0	156.0	155.0	157.0	144.0
Total Key personnel	142.0	141.0	143.0	145.0	156.0	155.0	161.0	148.0
Indicator value	**99.3%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**97.5%**	**97.3%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	1519	1512	1463	1514	1520	1516	1520	1519
Total sirens-tests	1521	1521	1521	1521	1521	1521	1521	1521
Indicator value	**99.7%**	**99.7%**	**98.8%**	**98.8%**	**98.8%**	**98.8%**	**99.8%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Last Modified: February 19, 2013

Prairie Island 2

1Q/2013 Performance Indicators

Licensee's General Comments: PP01 - Updated CCTV Compensatory Hours for Security Equipment October 2012.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	1.0	0	0	1.0	0	0	0	0
Critical hours	2163.4	2208.0	1849.9	1247.7	814.0	2208.0	2209.0	2159.0
Indicator value	**0.8**	**0.8**	**0.8**	**1.9**	**1.1**	**1.1**	**1.1**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2163.4	2208.0	1849.9	1247.7	814.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Safety System Functional Failures	1	1	0	0	0	1	1	0
Indicator value	**4**	**3**	**3**	**2**	**1**	**1**	**2**	**2**

Licensee Comments:

3Q/12: LER 50-306/2012-002-00, Sept 14, 2012, Unit 2 Diesel Generators inoperable due to missing hazard barrier.

3Q/11: LER # 50-306/2011-003-00. Report date 8/23/2011 - Unit 2 Offsite Power Sources Declared Inoperable as a Consequence of the Loss of the 2RY Transformer Bus Duct (L-PI-11-066).

2Q/11: LER 50306/2011-001-00 Unit 2 Shield Building Inoperable

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	9.46E-08	1.17E-07	7.89E-07	4.00E-07	3.26E-07	3.26E-07	4.58E-07	1.55E-07
URI (ΔCDF)	-1.08E-07	3.92E-07	-1.50E-07	-1.37E-07	-1.24E-07	-1.11E-07	3.58E-06	3.02E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**5.10E-07**	**6.40E-07**	**2.60E-07**	**2.00E-07**	**2.10E-07**	**4.00E-06**	**3.20E-06**

Licensee Comments:

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. Changed PRA Parameter(s).

3Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	1.00E-08	9.53E-09	2.34E-08	2.56E-08	2.55E-08	2.33E-08	-6.31E-09	-6.12E-09
URI (ΔCDF)	-1.69E-08	-1.69E-08	-3.13E-08	-3.14E-08	-3.17E-08	-3.18E-08	-3.20E-08	-3.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.90E-09**	**-7.40E-09**	**-7.90E-09**	**-5.80E-09**	**-6.20E-09**	**-8.50E-09**	**-3.80E-08**	**-3.80E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	1.42E-08	1.29E-08	1.57E-08	2.01E-08	1.17E-09	3.36E-09	9.42E-09	-2.34E-09
URI (ΔCDF)	-1.34E-07	-1.33E-07	-1.81E-07	-1.86E-07	-1.88E-07	-1.88E-07	-1.88E-07	-1.88E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-1.70E-07**	**-1.70E-07**	**-1.90E-07**	**-1.80E-07**	**-1.80E-07**	**-1.90E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	8.93E-09	8.60E-09	1.49E-08	-2.94E-08	-2.94E-08	-2.94E-08	-2.94E-08	-2.94E-08
URI (ΔCDF)	-1.31E-07	-1.12E-07	-1.21E-07	-1.38E-07	3.06E-07	3.06E-07	3.06E-07	3.05E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.00E-07**	**-1.10E-07**	**-1.70E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (ΔCDF)	1.03E-06	9.43E-07	3.53E-07	3.58E-07	2.96E-07	2.68E-07	2.90E-07	1.69E-07
URI (ΔCDF)	-4.47E-07	-4.41E-07	-2.59E-07	-2.61E-07	-3.29E-07	-3.31E-07	-3.25E-07	-3.21E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.80E-07**	**5.00E-07**	**9.40E-08**	**9.70E-08**	**-3.20E-08**	**-6.30E-08**	**-3.50E-08**	**-1.50E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.000169	0.000173	0.000177	0.000211	0.000181	0.000182	0.000195	0.000201	0.000200	0.000213	0.000212	N/A
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

Reactor Coolant System Activity	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum activity	N/A	N/A	0.000106	0.000110	0.000112	0.000115	0.000122	0.000132	0.000135	0.000145	0.000146	0.000147
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	0.267	0.204	0.169	0.125	0.339	0.355	0.109	0.133	0.102	0.144	0.156	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.7**	**2.0**	**1.7**	**1.3**	**3.4**	**3.6**	**1.1**	**1.3**	**1.0**	**1.4**	**1.6**	**0**
Reactor Coolant System Leakage	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum leakage	0	0.208	0.169	0.201	0.231	0.262	0.306	0.475	0.225	0.425	0.343	0.251
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**2.1**	**1.7**	**2.0**	**2.3**	**2.6**	**3.1**	**4.8**	**2.3**	**4.3**	**3.4**	**2.5**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	6.0	29.0	27.0	26.0	14.0	31.0	9.0	39.0
Total opportunities	6.0	32.0	27.0	28.0	14.0	32.0	10.0	45.0
Indicator value	**97.1%**	**96.2%**	**96.3%**	**96.8%**	**97.4%**	**96.5%**	**96.3%**	**93.3%**

Licensee Comments:

1Q/12: Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	141.0	143.0	145.0	156.0	155.0	157.0	144.0	142.0
Total Key personnel	141.0	143.0	145.0	156.0	155.0	161.0	148.0	144.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**97.5%**	**97.3%**	**98.6%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	1512	1463	1514	1520	1516	1520	1519	1515
Total sirens-tests	1521	1521	1521	1521	1521	1521	1521	1521
Indicator value	**99.7%**	**98.8%**	**98.8%**	**98.8%**	**98.8%**	**99.8%**	**99.9%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: April 23, 2013

Prairie Island 2

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: 1Q2013 EP Drill Participation numbers changed - no impact to indicator color.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	1849.9	1247.7	814.0	2208.0	2209.0	2159.0	2184.0
Indicator value	**0.8**	**0.8**	**1.9**	**1.1**	**1.1**	**1.1**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	1849.9	1247.7	814.0	2208.0	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Safety System Functional Failures	1	0	0	0	0	1	0	0
Indicator value	**3**	**3**	**2**	**1**	**0**	**1**	**1**	**1**

Licensee Comments:

3Q/12: LER 50-306/2012-002-01, revision to LER 50-306/2012-002-00. Baed on subsequent engineering evaluation both EDG D5 & D6 will remain operable and perform their safety function. This was previously reported as an SSFF.

3Q/12: LER 50-306/2012-002-00, Sept 14, 2012, Unit 2 Diesel Generators inoperable due to missing hazard barrier.

3Q/11: LER # 50-306/2011-003-00. Report date 8/23/2011 - Unit 2 Offsite Power Sources Declared Inoperable as a Consequence of the Loss of the 2RY Transformer Bus Duct (L-PI-11-066).

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	1.17E-07	7.89E-07	4.00E-07	3.26E-07	3.26E-07	4.58E-07	1.55E-07	8.50E-08
URI (ΔCDF)	3.92E-07	-1.50E-07	-1.37E-07	-1.24E-07	-1.11E-07	3.58E-06	3.02E-06	3.03E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.10E-07**	**6.40E-07**	**2.60E-07**	**2.00E-07**	**2.10E-07**	**4.00E-06**	**3.20E-06**	**3.90E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. Changed PRA Parameter(s).

3Q/11: Risk Cap Invoked.

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	9.53E-09	2.34E-08	2.56E-08	2.55E-08	2.33E-08	-6.31E-09	-6.12E-09	-9.38E-09
URI (ΔCDF)	-1.69E-08	-3.13E-08	-3.14E-08	-3.17E-08	-3.18E-08	-3.20E-08	-3.21E-08	-2.24E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.40E-09**	**-7.90E-09**	**-5.80E-09**	**-6.20E-09**	**-8.50E-09**	**-3.80E-08**	**-3.80E-08**	**-3.20E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	1.29E-08	1.57E-08	2.01E-08	1.17E-09	3.36E-09	9.42E-09	-2.34E-09	-3.63E-08
URI (ΔCDF)	-1.33E-07	-1.81E-07	-1.86E-07	-1.88E-07	-1.88E-07	-1.88E-07	-1.88E-07	-1.67E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.70E-07**	**-1.70E-07**	**-1.90E-07**	**-1.80E-07**	**-1.80E-07**	**-1.90E-07**	**-2.00E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	8.60E-09	1.49E-08	-2.94E-08	-2.94E-08	-2.94E-08	-2.94E-08	-2.94E-08	-2.36E-08
URI (ΔCDF)	-1.12E-07	-1.21E-07	-1.38E-07	3.06E-07	3.06E-07	3.06E-07	3.05E-07	3.07E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-1.10E-07**	**-1.70E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	9.43E-07	3.53E-07	3.58E-07	2.96E-07	2.68E-07	2.90E-07	1.69E-07	1.44E-07
URI (ΔCDF)	-4.41E-07	-2.59E-07	-2.61E-07	-3.29E-07	-3.31E-07	-3.25E-07	-3.21E-07	-2.49E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.00E-07**	**9.40E-08**	**9.70E-08**	**-3.20E-08**	**-6.30E-08**	**-3.50E-08**	**-1.50E-07**	**-1.10E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum activity	0.000211	0.000181	0.000182	0.000195	0.000201	0.000200	0.000213	0.000212	N/A	N/A	N/A	0.000106
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**N/A**	**0**

Reactor Coolant System Activity	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum activity	0.000110	0.000112	0.000115	0.000122	0.000132	0.000135	0.000145	0.000146	0.000147	0.000225	0.000148	0.000147
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum leakage	0.125	0.339	0.355	0.109	0.133	0.102	0.144	0.156	0	0	0.208	0.169
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.3**	**3.4**	**3.6**	**1.1**	**1.3**	**1.0**	**1.4**	**1.6**	**0**	**0**	**2.1**	**1.7**
Reactor Coolant System Leakage	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum leakage	0.201	0.231	0.262	0.306	0.475	0.225	0.425	0.343	0.251	0.217	0.080	0.074
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.0**	**2.3**	**2.6**	**3.1**	**4.8**	**2.3**	**4.3**	**3.4**	**2.5**	**2.2**	**0.8**	**0.7**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	29.0	27.0	26.0	14.0	31.0	9.0	39.0	86.0
Total opportunities	32.0	27.0	28.0	14.0	32.0	10.0	45.0	87.0
Indicator value	**96.2%**	**96.3%**	**96.8%**	**97.4%**	**96.5%**	**96.3%**	**93.3%**	**94.9%**

Licensee Comments:

1Q/12: Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	143.0	145.0	156.0	155.0	157.0	144.0	140.0	144.0
Total Key personnel	143.0	145.0	156.0	155.0	161.0	148.0	142.0	144.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**97.5%**	**97.3%**	**98.6%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	1463	1514	1520	1516	1520	1519	1515	1519
Total sirens-tests	1521	1521	1521	1521	1521	1521	1521	1521
Indicator value	**98.8%**	**98.8%**	**98.8%**	**98.8%**	**99.8%**	**99.9%**	**99.8%**	**99.8%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: August 19, 2013

Prairie Island 2

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: MS07 from 2Q2010 to 2Q2013 was revised because unavailability data was previously inappropriately excluded based on short duration; however exceeded 15 minutes.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	1849.9	1247.7	814.0	2208.0	2209.0	2159.0	2184.0	1968.1
Indicator value	**0.8**	**1.9**	**1.1**	**1.1**	**1.1**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1849.9	1247.7	814.0	2208.0	2209.0	2159.0	2184.0	1968.1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	**3**	**2**	**1**	**0**	**1**	**1**	**1**	**1**

Licensee Comments:

3Q/12: LER 50-306/2012-002-01, revision to LER 50-306/2012-002-00. Baed on subsequent engineering evaluation both EDG D5 & D6 will remain operable and perform their safety function. This was previously reported as an SSFF.

3Q/12: LER 50-306/2012-002-00, Sept 14, 2012, Unit 2 Diesel Generators inoperable due to missing hazard barrier.

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (ΔCDF)	7.89E-07	4.00E-07	3.26E-07	3.26E-07	4.58E-07	1.55E-07	8.50E-08	9.77E-08
URI (ΔCDF)	-1.50E-07	-1.37E-07	-1.24E-07	-1.11E-07	3.58E-06	3.02E-06	3.03E-07	3.07E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.40E-07**	**2.60E-07**	**2.00E-07**	**2.10E-07**	**4.00E-06**	**3.20E-06**	**3.90E-07**	**4.10E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	2.46E-08	2.69E-08	2.69E-08	2.44E-08	-4.97E-09	-4.79E-09	-8.83E-09	-8.65E-09
URI (ΔCDF)	-3.13E-08	-3.14E-08	-3.17E-08	-3.18E-08	-3.20E-08	-3.21E-08	-2.24E-08	-2.25E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.60E-09**	**-4.50E-09**	**-4.90E-09**	**-7.40E-09**	**-3.70E-08**	**-3.70E-08**	**-3.10E-08**	**-3.10E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	1.57E-08	2.01E-08	1.17E-09	3.36E-09	9.42E-09	-2.34E-09	-3.63E-08	-3.60E-08
URI (ΔCDF)	-1.81E-07	-1.86E-07	-1.88E-07	-1.88E-07	-1.88E-07	-1.88E-07	-1.67E-07	-1.68E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.70E-07**	**-1.90E-07**	**-1.80E-07**	**-1.80E-07**	**-1.90E-07**	**-2.00E-07**	**-2.00E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	1.49E-08	-2.94E-08	-2.94E-08	-2.94E-08	-2.94E-08	-2.94E-08	-2.36E-08	-2.36E-08
URI (ΔCDF)	-1.21E-07	-1.38E-07	3.06E-07	3.06E-07	3.06E-07	3.05E-07	3.07E-07	2.95E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.70E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.70E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	3.53E-07	3.58E-07	2.96E-07	2.68E-07	2.90E-07	1.69E-07	1.44E-07	1.39E-07
URI (ΔCDF)	-2.59E-07	-2.61E-07	-3.29E-07	-3.31E-07	-3.25E-07	-3.21E-07	-2.49E-07	-2.51E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.40E-08**	**9.70E-08**	**-3.20E-08**	**-6.30E-08**	**-3.50E-08**	**-1.50E-07**	**-1.10E-07**	**-1.10E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000195	0.000201	0.000200	0.000213	0.000212	N/A	N/A	N/A	0.000106	0.000110	0.000112	0.000115
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**N/A**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum activity	0.000122	0.000132	0.000135	0.000145	0.000146	0.000147	0.000225	0.000148	0.000147	N/A	N/A	N/A
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**N/A**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	0.109	0.133	0.102	0.144	0.156	0	0	0.208	0.169	0.201	0.231	0.262
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.1**	**1.3**	**1.0**	**1.4**	**1.6**	**0**	**0**	**2.1**	**1.7**	**2.0**	**2.3**	**2.6**

Reactor Coolant System Leakage	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum leakage	0.306	0.475	0.225	0.425	0.343	0.251	0.217	0.080	0.074	0.068	0.075	0.072
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**3.1**	**4.8**	**2.3**	**4.3**	**3.4**	**2.5**	**2.2**	**0.8**	**0.7**	**0.7**	**0.8**	**0.7**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	27.0	26.0	14.0	31.0	9.0	39.0	86.0	112.0
Total opportunities	27.0	28.0	14.0	32.0	10.0	45.0	87.0	113.0
Indicator value	**96.3%**	**96.8%**	**97.4%**	**96.5%**	**96.3%**	**93.3%**	**94.9%**	**96.6%**

Licensee Comments:

1Q/12: Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	145.0	156.0	155.0	157.0	144.0	140.0	144.0	144.0
Total Key personnel	145.0	156.0	155.0	161.0	148.0	142.0	144.0	145.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**97.5%**	**97.3%**	**98.6%**	**100.0%**	**99.3%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful siren-tests	1514	1520	1516	1520	1519	1515	1519	1520
Total sirens-tests	1521	1521	1521	1521	1521	1521	1521	1521
Indicator value	**98.8%**	**98.8%**	**98.8%**	**99.8%**	**99.9%**	**99.8%**	**99.8%**	**99.8%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: October 22, 2013

Prairie Island 2

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1247.7	814.0	2208.0	2209.0	2159.0	2184.0	1968.1	0
Indicator value	**1.9**	**1.1**	**1.1**	**1.1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1247.7	814.0	2208.0	2209.0	2159.0	2184.0	1968.1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	0	0	0	1	0	0	0	1
Indicator value	**2**	**1**	**0**	**1**	**1**	**1**	**1**	**1**

Licensee Comments:

4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

3Q/12: LER 50-306/2012-002-01, revision to LER 50-306/2012-002-00. Baed on subsequent engineering evaluation both EDG D5 & D6 will remain operable and perform their safety function. This was previously reported as an SSFF.

3Q/12: LER 50-306/2012-002-00, Sept 14, 2012, Unit 2 Diesel Generators inoperable due to missing hazard barrier.

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	4.00E-07	3.26E-07	3.26E-07	4.58E-07	1.55E-07	8.50E-08	9.77E-08	1.25E-07
URI (ΔCDF)	-1.37E-07	-1.24E-07	-1.11E-07	3.58E-06	3.02E-06	3.03E-07	3.07E-07	3.12E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.60E-07**	**2.00E-07**	**2.10E-07**	**4.00E-06**	**3.20E-06**	**3.90E-07**	**4.10E-07**	**4.40E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (ΔCDF)	2.69E-08	2.69E-08	2.44E-08	-4.97E-09	-4.79E-09	-8.83E-09	-8.65E-09	-9.96E-09
URI (ΔCDF)	-3.14E-08	-3.17E-08	-3.18E-08	-3.20E-08	-3.21E-08	-2.24E-08	-2.25E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.50E-09**	**-4.90E-09**	**-7.40E-09**	**-3.70E-08**	**-3.70E-08**	**-3.10E-08**	**-3.10E-08**	**-3.60E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	2.01E-08	1.17E-09	3.36E-09	9.42E-09	-2.34E-09	-3.63E-08	-3.60E-08	-3.28E-08
URI (ΔCDF)	-1.86E-07	-1.88E-07	-1.88E-07	-1.88E-07	-1.88E-07	-1.67E-07	-1.68E-07	-1.72E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.90E-07**	**-1.80E-07**	**-1.80E-07**	**-1.90E-07**	**-2.00E-07**	**-2.00E-07**	**-2.00E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	-2.94E-08	-2.94E-08	-2.94E-08	-2.94E-08	-2.94E-08	-2.36E-08	-2.36E-08	-2.36E-08
URI (ΔCDF)	-1.38E-07	3.06E-07	3.06E-07	3.06E-07	3.05E-07	3.07E-07	2.95E-07	2.59E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.70E-07**	**2.40E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	3.58E-07	2.96E-07	2.68E-07	2.90E-07	1.69E-07	1.44E-07	1.39E-07	1.33E-07
URI (ΔCDF)	-2.61E-07	-3.29E-07	-3.31E-07	-3.25E-07	-3.21E-07	-2.49E-07	-2.51E-07	-2.58E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.70E-08**	**-3.20E-08**	**-6.30E-08**	**-3.50E-08**	**-1.50E-07**	**-1.10E-07**	**-1.10E-07**	**-1.30E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum activity	0.000213	0.000212	N/A	N/A	N/A	0.000106	0.000110	0.000112	0.000115	0.000122	0.000132	0.000135
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**N/A**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum activity	0.000145	0.000146	0.000147	0.000225	0.000148	0.000147	N/A	N/A	N/A	N/A	N/A	N/A
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	0.144	0.156	0	0	0.208	0.169	0.201	0.231	0.262	0.306	0.475	0.225
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**1.6**	**0**	**0**	**2.1**	**1.7**	**2.0**	**2.3**	**2.6**	**3.1**	**4.8**	**2.3**

Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	0.425	0.343	0.251	0.217	0.080	0.074	0.068	0.075	0.072	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**4.3**	**3.4**	**2.5**	**2.2**	**0.8**	**0.7**	**0.7**	**0.8**	**0.7**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	26.0	14.0	31.0	9.0	39.0	86.0	112.0	0
Total opportunities	28.0	14.0	32.0	10.0	45.0	87.0	113.0	0
Indicator value	**96.8%**	**97.4%**	**96.5%**	**96.3%**	**93.3%**	**94.9%**	**96.6%**	**96.4%**

Licensee Comments:

1Q/12: Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	156.0	155.0	157.0	144.0	140.0	144.0	144.0	141.0
Total Key personnel	156.0	155.0	161.0	148.0	142.0	144.0	145.0	142.0
Indicator value	**100.0%**	**100.0%**	**97.5%**	**97.3%**	**98.6%**	**100.0%**	**99.3%**	**99.3%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	1520	1516	1520	1519	1515	1519	1520	1591
Total sirens-tests	1521	1521	1521	1521	1521	1521	1521	1599
Indicator value	**98.8%**	**98.8%**	**99.8%**	**99.9%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: January 22, 2014

Prairie Island 2

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	814.0	2208.0	2209.0	2159.0	2184.0	1968.1	0	2141.3
Indicator value	**1.1**	**1.1**	**1.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	814.0	2208.0	2209.0	2159.0	2184.0	1968.1	0	2141.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1.1**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Safety System Functional Failures	0	0	1	0	0	0	1	1
Indicator value	**1**	**0**	**1**	**1**	**1**	**1**	**1**	**2**

Licensee Comments:

1Q/14: LER 50-306/2014-001-00, March 3, 2014, Unanalyzed Condition Due to Removal of Multiple Steam Generator Lateral Support Shims and Bumpers

4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

3Q/12: LER 50-306/2012-002-01, revision to LER 50-306/2012-002-00. Baed on subsequent engineering evaluation both EDG D5 & D6 will remain operable and perform their safety function. This was previously reported as an SSFF.

3Q/12: LER 50-306/2012-002-00, Sept 14, 2012, Unit 2 Diesel Generators inoperable due to missing hazard barrier.

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	3.26E-07	3.26E-07	4.58E-07	1.55E-07	8.45E-08	9.72E-08	1.24E-07	2.86E-08
URI (ΔCDF)	-1.24E-07	-1.22E-07	3.56E-06	3.00E-06	3.01E-07	3.05E-07	3.09E-07	2.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-07**	**2.00E-07**	**4.00E-06**	**3.20E-06**	**3.90E-07**	**4.00E-07**	**4.30E-07**	**3.10E-07**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported.

Changes do not result in a color change for any MSPI system.

1Q/13: Risk Cap Invoked. 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance.

4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance. 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/12: Risk Cap Invoked. 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	2.69E-08	2.44E-08	-4.97E-09	-5.57E-09	-9.22E-09	-9.04E-09	-9.96E-09	-8.63E-09
URI (ΔCDF)	-3.17E-08	-3.18E-08	-3.20E-08	-3.21E-08	-2.24E-08	-2.25E-08	-2.60E-08	-2.48E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.80E-09**	**-7.40E-09**	**-3.70E-08**	**-3.80E-08**	**-3.20E-08**	**-3.20E-08**	**-3.60E-08**	**-3.30E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-1.77E-09	4.20E-10	1.70E-09	-8.29E-09	-3.63E-08	-3.63E-08	-3.63E-08	-3.05E-08
URI (ΔCDF)	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-1.68E-07	-1.69E-07	-1.73E-07	-1.71E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**	**-2.00E-07**	**-2.10E-07**	**-2.10E-07**	**-2.00E-07**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-2.94E-08	-2.94E-08	-2.94E-08	-2.94E-08	-2.36E-08	-2.36E-08	-2.36E-08	-1.82E-08
URI (ΔCDF)	3.06E-07	3.06E-07	3.06E-07	3.05E-07	3.07E-07	2.95E-07	2.59E-07	2.24E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.70E-07**	**2.40E-07**	**2.10E-07**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	2.96E-07	2.68E-07	2.84E-07	1.64E-07	1.40E-07	1.35E-07	1.29E-07	1.89E-07
URI (ΔCDF)	-3.28E-07	-3.30E-07	-3.24E-07	-3.20E-07	-2.49E-07	-2.50E-07	-2.58E-07	-3.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-08**	**-6.20E-08**	**-4.00E-08**	**-1.60E-07**	**-1.10E-07**	**-1.20E-07**	**-1.30E-07**	**1.60E-07**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum activity	N/A	N/A	0.000106	0.000110	0.000112	0.000115	0.000122	0.000132	0.000135	0.000145	0.000146	0.000147
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	0.000225	0.000148	0.000147	0.000129	0.000137	0.000133	N/A	N/A	N/A	0.000034	0.000045	0.000045
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**N/A**	**0**	**0**	**0**

Licensee Comments:

9/13: Revised Unit 2 data for RCS Specific Activity (Maximum I-131) for the 3rd quarter 2013 reporting period. The change does not affect the color of the indicator.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum leakage	0	0.208	0.169	0.201	0.231	0.262	0.306	0.475	0.225	0.425	0.343	0.251
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**2.1**	**1.7**	**2.0**	**2.3**	**2.6**	**3.1**	**4.8**	**2.3**	**4.3**	**3.4**	**2.5**
Reactor Coolant System Leakage	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum leakage	0.217	0.080	0.074	0.068	0.075	0.072	0	0	0	0.093	0.112	0.115
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.2**	**0.8**	**0.7**	**0.7**	**0.8**	**0.7**	**0**	**0**	**0**	**0.9**	**1.1**	**1.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful opportunities	14.0	31.0	9.0	38.0	86.0	111.0	0	106.0
Total opportunities	14.0	32.0	10.0	45.0	87.0	113.0	0	110.0
Indicator value	**97.4%**	**96.5%**	**96.3%**	**92.8%**	**94.5%**	**96.1%**	**95.7%**	**96.1%**

Licensee Comments:

3Q/13: DEP data for Aug 2013 was changed. The change does not affect the color of the indicator.

1Q/13: DEP data for Feb 2013 was changed. The change does not affect the color of the indicator.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Participating Key personnel	155.0	157.0	144.0	140.0	144.0	144.0	141.0	142.0
Total Key personnel	155.0	161.0	148.0	142.0	144.0	145.0	142.0	143.0
Indicator value	**100.0%**	**97.5%**	**97.3%**	**98.6%**	**100.0%**	**99.3%**	**99.3%**	**99.3%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful siren-tests	1516	1520	1519	1515	1519	1520	1591	1591
Total sirens-tests	1521	1521	1521	1521	1521	1521	1599	1599
Indicator value	**98.8%**	**99.8%**	**99.9%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.7%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: April 23, 2014

Prairie Island 2

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	1968.1	0	2141.3	2080.6
Indicator value	**1.1**	**1.1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	1968.1	0	2141.3	2080.6
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.1**	**1.1**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	0	0	0	0	0	1	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**2**

Licensee Comments:

1Q/14: LER 50-306/2014-001-00, March 3, 2014, Unanalyzed Condition Due to Removal of Multiple Steam Generator Lateral Support Shims and Bumpers

4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

4Q/12: Dec 2012 SSFF previously reported as 1; this was an error as it should have been reported as 0. This change does not affect the color of the indicator.

3Q/12: LER 50-306/2012-002-01, revision to LER 50-306/2012-002-00. Baed on subsequent engineering evaluation both EDG D5 & D6 will remain operable and perform their safety function. This was previously reported as an SSFF.

3Q/12: LER 50-306/2012-002-00, Sept 14, 2012, Unit 2 Diesel Generators inoperable due to missing hazard barrier.

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	3.26E-07	4.58E-07	1.55E-07	8.45E-08	9.72E-08	1.24E-07	2.86E-08	5.50E-08
URI (ΔCDF)	-1.22E-07	3.56E-06	3.00E-06	3.01E-07	3.05E-07	3.09E-07	2.83E-07	2.87E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-07**	**4.00E-06**	**3.20E-06**	**3.90E-07**	**4.00E-07**	**4.30E-07**	**3.10E-07**	**3.40E-07**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: Risk Cap Invoked. 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance.

4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance. 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/12: Risk Cap Invoked. 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	2.44E-08	-4.97E-09	-5.57E-09	-9.22E-09	-9.04E-09	-9.96E-09	-8.63E-09	-8.63E-09
URI (ΔCDF)	-3.18E-08	-3.20E-08	-3.21E-08	-2.24E-08	-2.25E-08	-2.60E-08	-2.48E-08	-2.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.40E-09**	**-3.70E-08**	**-3.80E-08**	**-3.20E-08**	**-3.20E-08**	**-3.60E-08**	**-3.30E-08**	**-3.40E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	4.20E-10	1.70E-09	-8.29E-09	-3.63E-08	-3.63E-08	-3.63E-08	-3.05E-08	-3.05E-08
URI (ΔCDF)	-1.90E-07	-1.90E-07	-1.90E-07	-1.68E-07	-1.69E-07	-1.73E-07	-1.71E-07	-1.69E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.90E-07**	**-2.00E-07**	**-2.00E-07**	**-2.10E-07**	**-2.10E-07**	**-2.00E-07**	**-2.00E-07**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	-2.94E-08	-2.94E-08	-2.94E-08	-2.36E-08	-2.36E-08	-2.36E-08	-1.82E-08	-1.82E-08
URI (ΔCDF)	3.06E-07	3.06E-07	3.05E-07	3.07E-07	2.95E-07	2.59E-07	2.24E-07	2.24E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.70E-07**	**2.40E-07**	**2.10E-07**	**2.10E-07**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

3Q/13: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing; also identify unavailability window extended from that previously reported.

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	2.68E-07	2.90E-07	1.69E-07	1.44E-07	1.39E-07	1.33E-07	1.91E-07	1.58E-07
URI (ΔCDF)	-3.30E-07	-3.24E-07	-3.20E-07	-2.49E-07	-2.50E-07	-2.58E-07	-3.08E-08	-3.05E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-6.20E-08**	**-3.40E-08**	**-1.50E-07**	**-1.10E-07**	**-1.10E-07**	**-1.20E-07**	**1.60E-07**	**1.30E-07**

Licensee Comments:

1Q/14: MSPI Unavailability corrections due to previously omitted unavailability window for swing pump when dedicated to opposite train and math error.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/12: MSPI Unavailability corrections due to unavailability correction made in first quarter 2014 which applied reactor not critical exclusion to the wrong unit; Unit 1 was not critical, Unit 2 was critical during this event window.

3Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum activity	0.000110	0.000112	0.000115	0.000122	0.000132	0.000135	0.000145	0.000146	0.000147	0.000225	0.000148	0.000147
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum activity	0.000129	0.000137	0.000133	N/A	N/A	N/A	0.000034	0.000045	0.000045	0.000051	0.000041	0.000056
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**N/A**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

9/13: Revised Unit 2 data for RCS Specific Activity (Maximum I-131) for the 3rd quarter 2013 reporting period. The change does not affect the color of the indicator.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.201	0.231	0.262	0.306	0.475	0.225	0.425	0.343	0.251	0.217	0.080	0.074
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.0**	**2.3**	**2.6**	**3.1**	**4.8**	**2.3**	**4.3**	**3.4**	**2.5**	**2.2**	**0.8**	**0.7**
Reactor Coolant System Leakage	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum leakage	0.068	0.075	0.072	0	0	0	0.093	0.112	0.115	0.152	0.118	0.273
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.8**	**0.7**	**0**	**0**	**0**	**0.9**	**1.1**	**1.2**	**1.5**	**1.2**	**2.7**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	31.0	9.0	38.0	86.0	111.0	0	106.0	112.0
Total opportunities	32.0	10.0	45.0	87.0	113.0	0	110.0	114.0
Indicator value	**96.5%**	**96.3%**	**92.8%**	**94.5%**	**96.1%**	**95.7%**	**96.1%**	**96.5%**

Licensee Comments:

3Q/13: DEP data for Aug 2013 was changed. The change does not affect the color of the indicator.

1Q/13: DEP data for Feb 2013 was changed. The change does not affect the color of the indicator.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	157.0	144.0	140.0	144.0	144.0	141.0	142.0	149.0
Total Key personnel	161.0	148.0	142.0	144.0	145.0	142.0	143.0	150.0
Indicator value	**97.5%**	**97.3%**	**98.6%**	**100.0%**	**99.3%**	**99.3%**	**99.3%**	**99.3%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	1520	1519	1515	1519	1520	1591	1591	1596
Total sirens-tests	1521	1521	1521	1521	1521	1599	1599	1599
Indicator value	**99.8%**	**99.9%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.7%**	**99.7%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: July 31, 2014

Prairie Island 2

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	1968.1	0	2141.3	2080.6	2208.0
Indicator value	**1.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2159.0	2184.0	1968.1	0	2141.3	2080.6	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.1**	**1.1**	**1.1**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Safety System Functional Failures	0	0	0	0	1	1	0	1
Indicator value	**0**	**0**	**0**	**0**	**1**	**2**	**2**	**3**

Licensee Comments:

3Q/14: LER 50-306/2014-002-00, 7/15/14 23 Fan Coil Unit Lower Northeast Face Corner Gasket Leaking

1Q/14: LER 50-306/2014-001-00, March 3, 2014, Unanalyzed Condition Due to Removal of Multiple Steam Generator Lateral Support Shims and Bumpers

4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

4Q/12: Dec 2012 SSFF previously reported as 1; this was an error as it should have been reported as 0. This change does not affect the color of the indicator.

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (ΔCDF)	4.58E-07	1.55E-07	8.45E-08	9.72E-08	1.24E-07	2.86E-08	5.50E-08	6.82E-08
URI (ΔCDF)	3.56E-06	3.00E-06	3.01E-07	3.05E-07	3.09E-07	2.83E-07	2.87E-07	9.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.00E-06**	**3.20E-06**	**3.90E-07**	**4.00E-07**	**4.30E-07**	**3.10E-07**	**3.40E-07**	**1.60E-07**

Licensee Comments:

3Q/14: The D5 & D6 EDGs had a Planned Unavailability Baseline change that went into effect for the 3rd Quarter of 2014 (3Q2014). This change reflects current plant maintenance philosophy.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: Risk Cap Invoked.

1Q/13: Risk Cap Invoked. 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance.

4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance. 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (ΔCDF)	-4.97E-09	-5.57E-09	-9.22E-09	-9.04E-09	-9.96E-09	-8.63E-09	-8.63E-09	-8.63E-09

URI (ΔCDF)	-3.20E-08	-3.21E-08	-2.24E-08	-2.25E-08	-2.60E-08	-2.48E-08	-2.49E-08	-2.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.70E-08**	**-3.80E-08**	**-3.20E-08**	**-3.20E-08**	**-3.60E-08**	**-3.30E-08**	**-3.40E-08**	**-3.40E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	1.70E-09	-8.29E-09	-3.63E-08	-3.63E-08	-3.63E-08	-3.05E-08	-3.05E-08	-3.05E-08
URI (ΔCDF)	-1.90E-07	-1.90E-07	-1.68E-07	-1.69E-07	-1.73E-07	-1.71E-07	-1.69E-07	-1.69E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-2.00E-07**	**-2.00E-07**	**-2.10E-07**	**-2.10E-07**	**-2.00E-07**	**-2.00E-07**	**-2.00E-07**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-2.94E-08	-2.94E-08	-2.36E-08	-2.36E-08	-2.36E-08	-1.82E-08	-1.82E-08	-1.82E-08
URI (ΔCDF)	3.06E-07	3.05E-07	3.07E-07	2.95E-07	2.59E-07	2.24E-07	2.24E-07	2.24E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.80E-07**	**2.80E-07**	**2.80E-07**	**2.70E-07**	**2.40E-07**	**2.10E-07**	**2.10E-07**	**2.10E-07**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

3Q/13: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing; also identify unavailability window extended from that previously reported.

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	2.90E-07	1.69E-07	1.44E-07	1.39E-07	1.33E-07	1.91E-07	1.61E-07	1.68E-07
URI (ΔCDF)	-3.24E-07	-3.20E-07	-2.49E-07	-2.50E-07	-2.58E-07	-3.08E-08	-3.05E-08	-3.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-08**	**-1.50E-07**	**-1.10E-07**	**-1.10E-07**	**-1.20E-07**	**1.60E-07**	**1.30E-07**	**1.40E-07**

Licensee Comments:

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

2Q/14: Data correction to reflect diesel driven cooling water pump replacement while motor driven pump was aligned. 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of second quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

1Q/14: MSPI Unavailability corrections due to previously omitted unavailability window for swing pump when dedicated to opposite train and math error.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/12: MSPI Unavailability corrections due to unavailability correction made in first quarter 2014 which applied reactor not critical exclusion to the wrong unit; Unit 1 was not critical, Unit 2 was critical during this event window.

4Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum activity	0.000122	0.000132	0.000135	0.000145	0.000146	0.000147	0.000225	0.000148	0.000147	0.000129	0.000137	0.000133
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum activity	N/A	N/A	N/A	0.000034	0.000045	0.000045	0.000051	0.000041	0.000056	0.000056	0.000048	0.000050
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**N/A**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

9/13: Revised Unit 2 data for RCS Specific Activity (Maximum I-131) for the 3rd quarter 2013 reporting period. The change does not affect the color of the indicator.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum leakage	0.306	0.475	0.225	0.425	0.343	0.251	0.217	0.080	0.074	0.068	0.075	0.072
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**3.1**	**4.8**	**2.3**	**4.3**	**3.4**	**2.5**	**2.2**	**0.8**	**0.7**	**0.7**	**0.8**	**0.7**

Reactor Coolant System Leakage	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum leakage	0	0	0	0.093	0.112	0.115	0.152	0.118	0.273	0.166	0.186	0.205
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0.9**	**1.1**	**1.2**	**1.5**	**1.2**	**2.7**	**1.7**	**1.9**	**2.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful opportunities	9.0	38.0	86.0	111.0	0	106.0	112.0	71.0
Total opportunities	10.0	45.0	87.0	113.0	0	110.0	114.0	71.0
Indicator value	**96.3%**	**92.8%**	**94.5%**	**96.1%**	**95.7%**	**96.1%**	**96.5%**	**96.9%**

Licensee Comments:

3Q/13: DEP data for Aug 2013 was changed. The change does not affect the color of the indicator.

1Q/13: DEP data for Feb 2013 was changed. The change does not affect the color of the indicator.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Participating Key personnel	144.0	140.0	144.0	144.0	141.0	142.0	149.0	153.0
Total Key personnel	148.0	142.0	144.0	145.0	142.0	143.0	150.0	153.0
Indicator value	**97.3%**	**98.6%**	**100.0%**	**99.3%**	**99.3%**	**99.3%**	**99.3%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests	1519	1515	1519	1520	1591	1591	1596	1574
Total sirens-tests	1521	1521	1521	1521	1599	1599	1599	1599
Indicator value	**99.9%**	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.7%**	**99.7%**	**99.3%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: November 3, 2014

Prairie Island 2

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	1968.1	0	2141.3	2080.6	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2159.0	2184.0	1968.1	0	2141.3	2080.6	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**1.1**	**1.1**	**1.1**	**0.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Safety System Functional Failures	0	0	0	1	1	0	1	0
Indicator value	**0**	**0**	**0**	**1**	**2**	**2**	**3**	**2**

Licensee Comments:

3Q/14: LER 50-306/2014-002-00, 7/15/14 23 Fan Coil Unit Lower Northeast Face Corner Gasket Leaking

1Q/14: LER 50-306/2014-001-00, March 3, 2014, Unanalyzed Condition Due to Removal of Multiple Steam Generator Lateral Support Shims and Bumpers

4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	1.55E-07	8.45E-08	9.72E-08	1.24E-07	2.86E-08	5.50E-08	6.82E-08	6.08E-08
URI (ΔCDF)	3.00E-06	3.01E-07	3.05E-07	3.09E-07	2.83E-07	2.87E-07	9.20E-08	9.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.20E-06**	**3.90E-07**	**4.00E-07**	**4.30E-07**	**3.10E-07**	**3.40E-07**	**1.60E-07**	**1.50E-07**

Licensee Comments:

3Q/14: The D5 & D6 EDGs had a Planned Unavailability Baseline change that went into effect for the 3rd Quarter of 2014 (3Q2014). This change reflects current plant maintenance philosophy.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported.

Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

1Q/13: Risk Cap Invoked. 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	-5.57E-09	-9.22E-09	-9.04E-09	-9.96E-09	-8.63E-09	-8.63E-09	-8.63E-09	-8.63E-09
URI (ΔCDF)	-3.21E-08	-2.24E-08	-2.25E-08	-2.60E-08	-2.48E-08	-2.49E-08	-2.50E-08	-2.48E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-08**	**-3.20E-08**	**-3.20E-08**	**-3.60E-08**	**-3.30E-08**	**-3.40E-08**	**-3.40E-08**	**-3.30E-08**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	-8.29E-09	-3.63E-08	-3.63E-08	-3.63E-08	-3.05E-08	-3.05E-08	-3.05E-08	-3.05E-08
	-1.90E-	-1.68E-	-1.69E-	-1.73E-	-1.71E-	-1.69E-	-1.69E-	-1.68E-

URI (ΔCDF)	07	07	07	07	07	07	07	07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-07**	**-2.00E-07**	**-2.10E-07**	**-2.10E-07**	**-2.00E-07**	**-2.00E-07**	**-2.00E-07**	**-2.00E-07**

Licensee Comments:

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	-2.94E-08	-2.36E-08	-2.36E-08	-2.36E-08	-1.82E-08	-1.82E-08	-1.82E-08	-1.82E-08
URI (ΔCDF)	3.05E-07	3.07E-07	2.95E-07	2.59E-07	2.24E-07	2.24E-07	2.24E-07	2.39E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.80E-07**	**2.80E-07**	**2.70E-07**	**2.40E-07**	**2.10E-07**	**2.10E-07**	**2.10E-07**	**2.20E-07**

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

3Q/13: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing; also identify unavailability window extended from that previously reported.

2Q/13: Changed PRA Parameter(s).

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	1.69E-07	1.44E-07	1.39E-07	1.33E-07	1.91E-07	1.61E-07	1.68E-07	1.63E-07
URI (ΔCDF)	-3.20E-07	-2.49E-07	-2.50E-07	-2.58E-07	-3.08E-08	-3.05E-08	-3.13E-08	-3.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.10E-07**	**-1.10E-07**	**-1.20E-07**	**1.60E-07**	**1.30E-07**	**1.40E-07**	**1.30E-07**

Licensee Comments:

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

2Q/14: Data correction to reflect diesel driven cooling water pump replacement while motor driven pump was

aligned. 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of second quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

1Q/14: MSPI Unavailability corrections due to previously omitted unavailability window for swing pump when dedicated to opposite train and math error.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum activity	0.000145	0.000146	0.000147	0.000225	0.000148	0.000147	0.000129	0.000137	0.000133	N/A	N/A	N/A
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**N/A**

Reactor Coolant System Activity	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum activity	0.000034	0.000045	0.000045	0.000051	0.000041	0.000056	0.000056	0.000048	0.000050	0.000051	0.000054	0.000054
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

9/13: Revised Unit 2 data for RCS Specific Activity (Maximum I-131) for the 3rd quarter 2013 reporting period. The change does not affect the color of the indicator.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum leakage	0.425	0.343	0.251	0.217	0.080	0.074	0.068	0.075	0.072	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**4.3**	**3.4**	**2.5**	**2.2**	**0.8**	**0.7**	**0.7**	**0.8**	**0.7**	**0**	**0**	**0**
Reactor Coolant System Leakage	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum leakage	0.093	0.112	0.115	0.152	0.118	0.273	0.166	0.186	0.205	0.202	0.165	0.182
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.9**	**1.1**	**1.2**	**1.5**	**1.2**	**2.7**	**1.7**	**1.9**	**2.1**	**2.0**	**1.7**	**1.8**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	38.0	86.0	111.0	0	106.0	112.0	71.0	8.0
Total opportunities	45.0	87.0	113.0	0	110.0	114.0	71.0	8.0
Indicator value	**92.8%**	**94.5%**	**96.1%**	**95.7%**	**96.1%**	**96.5%**	**96.9%**	**97.1%**

Licensee Comments:

3Q/13: DEP data for Aug 2013 was changed. The change does not affect the color of the indicator.

1Q/13: DEP data for Feb 2013 was changed. The change does not affect the color of the indicator.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Participating Key personnel	140.0	144.0	144.0	141.0	142.0	149.0	153.0	156.0
Total Key personnel	142.0	144.0	145.0	142.0	143.0	150.0	153.0	156.0
Indicator value	**98.6%**	**100.0%**	**99.3%**	**99.3%**	**99.3%**	**99.3%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	1515	1519	1520	1591	1591	1596	1574	1719
Total sirens-tests	1521	1521	1521	1599	1599	1599	1599	1722
Indicator value	**99.8%**	**99.8%**	**99.8%**	**99.7%**	**99.7%**	**99.7%**	**99.3%**	**99.4%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: February 3, 2015

Prairie Island 2

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	1968.1	0	2141.3	2080.6	2208.0	2209.0	1682.8
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	0	0	1.0	0	0	0	1.0
Critical hours	2184.0	1968.1	0	2141.3	2080.6	2208.0	2209.0	1682.8
Indicator value	**0**	**0**	**0**	**1.1**	**1.1**	**1.1**	**0.8**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	0	0	1	1	0	1	0	0
Indicator value	**0**	**0**	**1**	**2**	**2**	**3**	**2**	**1**

Licensee Comments:

3Q/14: LER 50-306/2014-002-00, 7/15/14 23 Fan Coil Unit Lower Northeast Face Corner Gasket Leaking

1Q/14: LER 50-306/2014-001-00, March 3, 2014, Unanalyzed Condition Due to Removal of Multiple Steam Generator Lateral Support Shims and Bumpers

4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	8.45E-08	9.72E-08	1.24E-07	2.86E-08	5.50E-08	6.82E-08	6.08E-08	5.16E-08
URI (ΔCDF)	3.01E-07	3.05E-07	3.09E-07	2.83E-07	2.87E-07	9.20E-08	9.37E-08	8.02E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.90E-07**	**4.00E-07**	**4.30E-07**	**3.10E-07**	**3.40E-07**	**1.60E-07**	**1.50E-07**	**1.30E-07**

Licensee Comments:

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

3Q/14: The D5 & D6 EDGs had a Planned Unavailability Baseline change that went into effect for the 3rd Quarter of 2014 (3Q2014). This change reflects current plant maintenance philosophy.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	-9.22E-09	-9.04E-09	-9.96E-09	-8.63E-09	-8.63E-09	-8.63E-09	-8.63E-09	-8.51E-09
URI (ΔCDF)	-2.24E-08	-2.25E-08	-2.60E-08	-2.48E-08	-2.49E-08	-2.50E-08	-2.48E-08	-2.48E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-08**	**-3.20E-08**	**-3.60E-08**	**-3.30E-08**	**-3.40E-08**	**-3.40E-08**	**-3.30E-08**	**-3.30E-08**

Licensee Comments:

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
	-3.63E-	-3.63E-	-3.63E-	-3.05E-	-3.05E-	-3.05E-	-3.05E-	-2.68E-

UAI (ΔCDF)	08	08	08	08	08	08	08	08
URI (ΔCDF)	-1.68E-07	-1.69E-07	-1.73E-07	-1.71E-07	-1.69E-07	-1.69E-07	-1.68E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-07**	**-2.10E-07**	**-2.10E-07**	**-2.00E-07**	**-2.00E-07**	**-2.00E-07**	**-2.00E-07**	**-1.70E-07**

Licensee Comments:

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains. As a result of the PRA model change, the motor valves are no longer monitored components.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	-2.36E-08	-2.36E-08	-2.36E-08	-1.82E-08	-1.82E-08	-1.82E-08	-1.82E-08	-1.73E-08
URI (ΔCDF)	3.07E-07	2.95E-07	2.59E-07	2.24E-07	2.24E-07	2.24E-07	2.39E-07	2.39E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.80E-07**	**2.70E-07**	**2.40E-07**	**2.10E-07**	**2.10E-07**	**2.10E-07**	**2.20E-07**	**2.20E-07**

Licensee Comments:

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

3Q/13: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing; also identify unavailability window extended from that previously reported.

2Q/13: Changed PRA Parameter(s).

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	1.44E-07	1.39E-07	1.33E-07	1.91E-07	1.61E-07	1.68E-07	1.63E-07	2.16E-07
URI (ΔCDF)	-2.49E-07	-2.50E-07	-2.58E-07	-3.08E-08	-3.05E-08	-3.13E-08	-3.04E-08	-4.35E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.10E-07**	**-1.20E-07**	**1.60E-07**	**1.30E-07**	**1.40E-07**	**1.30E-07**	**1.70E-07**

Licensee Comments:

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment

Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

2Q/14: Data correction to reflect diesel driven cooling water pump replacement while motor driven pump was aligned. 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of second quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

1Q/14: MSPI Unavailability corrections due to previously omitted unavailability window for swing pump when dedicated to opposite train and math error.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum activity	0.000225	0.000148	0.000147	0.000129	0.000137	0.000133	N/A	N/A	N/A	0.000034	0.000045	0.000045
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**N/A**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum activity	0.000051	0.000041	0.000056	0.000056	0.000048	0.000050	0.000051	0.000054	0.000054	0.000049	0.000056	0.000041
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

9/13: Revised Unit 2 data for RCS Specific Activity (Maximum I-131) for the 3rd quarter 2013 reporting period. The change does not affect the color of the indicator.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.217	0.080	0.074	0.068	0.075	0.072	0	0	0	0.093	0.112	0.115
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.2**	**0.8**	**0.7**	**0.7**	**0.8**	**0.7**	**0**	**0**	**0**	**0.9**	**1.1**	**1.2**
Reactor Coolant System Leakage	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum leakage	0.152	0.118	0.273	0.166	0.186	0.205	0.202	0.165	0.182	0.479	0.197	0.203
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.5**	**1.2**	**2.7**	**1.7**	**1.9**	**2.1**	**2.0**	**1.7**	**1.8**	**4.8**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful opportunities	86.0	111.0	0	106.0	112.0	71.0	8.0	32.0
Total opportunities	87.0	113.0	0	110.0	114.0	71.0	8.0	32.0
Indicator value	**94.5%**	**96.1%**	**95.7%**	**96.1%**	**96.5%**	**96.9%**	**97.1%**	**98.3%**

Licensee Comments:

3Q/13: DEP data for Aug 2013 was changed. The change does not affect the color of the indicator.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	144.0	144.0	141.0	142.0	149.0	153.0	156.0	158.0
Total Key personnel	144.0	145.0	142.0	143.0	150.0	153.0	156.0	158.0
Indicator value	**100.0%**	**99.3%**	**99.3%**	**99.3%**	**99.3%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	1519	1520	1591	1591	1596	1574	1719	1469
Total sirens-tests	1521	1521	1599	1599	1599	1599	1722	1476
Indicator value	**99.8%**	**99.8%**	**99.7%**	**99.7%**	**99.7%**	**99.3%**	**99.4%**	**99.4%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: April 23, 2015

Prairie Island 2

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: LER 50-306/2015-001-00 submitted on 5/4/2015 for 21 Fan Coil Unit Leak-Containment Declared Inoperable

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	0	0	0	0	0	0	0	2.0
Critical hours	1968.1	0	2141.3	2080.6	2208.0	2209.0	1682.8	2035.8
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1.7**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	0	0	1.0	0	0	0	1.0	0
Critical hours	1968.1	0	2141.3	2080.6	2208.0	2209.0	1682.8	2035.8
Indicator value	**0**	**0**	**1.1**	**1.1**	**1.1**	**0.8**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Safety System Functional Failures	0	1	1	0	1	0	0	1
Indicator value	**0**	**1**	**2**	**2**	**3**	**2**	**1**	**2**

Licensee Comments:

2Q/15: LER 50-306/2015-001-00, 5/4/2015, 21 Fan Coil Unit Leak - Containment Declared Inoperable

3Q/14: LER 50-306/2014-002-00, 7/15/14 23 Fan Coil Unit Lower Northeast Face Corner Gasket Leaking

1Q/14: LER 50-306/2014-001-00, March 3, 2014, Unanalyzed Condition Due to Removal of Multiple Steam Generator Lateral Support Shims and Bumpers

4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	9.72E-08	1.24E-07	2.86E-08	5.50E-08	6.82E-08	6.08E-08	5.16E-08	6.17E-08
URI (ΔCDF)	3.05E-07	3.09E-07	2.83E-07	2.87E-07	9.20E-08	9.37E-08	8.02E-08	1.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.00E-07**	**4.30E-07**	**3.10E-07**	**3.40E-07**	**1.60E-07**	**1.50E-07**	**1.30E-07**	**2.10E-07**

Licensee Comments:

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

3Q/14: The D5 & D6 EDGs had a Planned Unavailability Baseline change that went into effect for the 3rd Quarter of 2014 (3Q2014). This change reflects current plant maintenance philosophy.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-9.04E-09	-9.96E-09	-8.63E-09	-8.63E-09	-8.63E-09	-8.63E-09	-8.51E-09	-8.51E-09
URI (ΔCDF)	-2.25E-08	-2.60E-08	-2.48E-08	-2.49E-08	-2.50E-08	-2.48E-08	-2.48E-08	-2.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-08**	**-3.60E-08**	**-3.30E-08**	**-3.40E-08**	**-3.40E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**

Licensee Comments:

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-3.63E-08	-3.63E-08	-3.05E-08	-3.05E-08	-3.05E-08	-3.05E-08	-2.68E-08	-2.68E-08
URI (ΔCDF)	-1.69E-07	-1.73E-07	-1.71E-07	-1.69E-07	-1.69E-07	-1.68E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-07**	**-2.10E-07**	**-2.00E-07**	**-2.00E-07**	**-2.00E-07**	**-2.00E-07**	**-1.70E-07**	**-1.70E-07**

Licensee Comments:

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains. As a result of the PRA model change, the motor valves are no longer monitored components.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (ΔCDF)	-2.36E-08	-2.36E-08	-1.82E-08	-1.82E-08	-1.82E-08	-1.82E-08	-1.73E-08	-1.73E-08
URI (ΔCDF)	2.95E-07	2.59E-07	2.24E-07	2.24E-07	2.24E-07	2.39E-07	2.39E-07	-8.81E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-07**	**2.40E-07**	**2.10E-07**	**2.10E-07**	**2.10E-07**	**2.20E-07**	**2.20E-07**	**-1.10E-07**

Licensee Comments:

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

3Q/13: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing; also identify unavailability window extended from that previously reported.

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	1.12E-07	1.03E-07	1.19E-07	8.93E-08	9.61E-08	9.26E-08	1.30E-07	2.18E-07
URI (ΔCDF)	-2.50E-07	-2.58E-07	-3.08E-08	-3.05E-08	-3.13E-08	-3.04E-08	-4.35E-08	-4.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.50E-07**	**8.90E-08**	**5.90E-08**	**6.50E-08**	**6.20E-08**	**8.70E-08**	**1.80E-07**

Licensee Comments:

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding

Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

2Q/14: Data correction to reflect diesel driven cooling water pump replacement while motor driven pump was aligned. 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of second quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

2Q/14: Data correction to reflect diesel driven cooling water pump replacement while motor driven pump was aligned. 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of second quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

1Q/14: MSPI Unavailability corrections due to previously omitted unavailability window for swing pump when dedicated to opposite train and math error. (2Q2015) Correction to align with NEI 99-02 and MSPI Basis Document. Single cooling water strainer out of service does not render header unavailable for MSPI.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

1Q/14: MSPI Unavailability corrections due to previously omitted unavailability window for swing pump when dedicated to opposite train and math error.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum activity	0.000129	0.000137	0.000133	N/A	N/A	N/A	0.000034	0.000045	0.000045	0.000051	0.000041	0.000056
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**N/A**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum activity	0.000056	0.000048	0.000050	0.000051	0.000054	0.000054	0.000049	0.000056	0.000041	0.000055	0.000059	0.000061
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator												

value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

9/13: Revised Unit 2 data for RCS Specific Activity (Maximum I-131) for the 3rd quarter 2013 reporting period. The change does not affect the color of the indicator.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum leakage	0.068	0.075	0.072	0	0	0	0.093	0.112	0.115	0.152	0.118	0.273
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.7**	**0.8**	**0.7**	**0**	**0**	**0**	**0.9**	**1.1**	**1.2**	**1.5**	**1.2**	**2.7**
Reactor Coolant System Leakage	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum leakage	0.166	0.186	0.205	0.202	0.165	0.182	0.479	0.197	0.203	0.110	0.128	0.136
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.7**	**1.9**	**2.1**	**2.0**	**1.7**	**1.8**	**4.8**	**2.0**	**2.0**	**1.1**	**1.3**	**1.4**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful opportunities	111.0	0	106.0	112.0	71.0	8.0	32.0	28.0
Total opportunities	113.0	0	110.0	114.0	71.0	8.0	32.0	28.0
Indicator value	**96.1%**	**95.7%**	**96.1%**	**96.5%**	**96.9%**	**97.1%**	**98.3%**	**98.3%**

Licensee Comments:

3Q/13: DEP data for Aug 2013 was changed. The change does not affect the color of the indicator.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Participating Key personnel	144.0	141.0	142.0	149.0	153.0	156.0	158.0	148.0
Total Key personnel	145.0	142.0	143.0	150.0	153.0	156.0	158.0	148.0
Indicator value	**99.3%**	**99.3%**	**99.3%**	**99.3%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	1520	1591	1591	1596	1574	1719	1469	1587
Total sirens-tests	1521	1599	1599	1599	1599	1722	1476	1599
Indicator value	**99.8%**	**99.7%**	**99.7%**	**99.7%**	**99.3%**	**99.4%**	**99.4%**	**99.3%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: July 24, 2015

Prairie Island 2

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	0	0	0	0	0	0	2.0	0
Critical hours	0	2141.3	2080.6	2208.0	2209.0	1682.8	2035.8	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.7**	**1.7**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	0	1.0	0	0	0	1.0	0	0
Critical hours	0	2141.3	2080.6	2208.0	2209.0	1682.8	2035.8	2208.0
Indicator value	**0**	**1.1**	**1.1**	**1.1**	**0.8**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Safety System Functional Failures	1	1	0	1	0	0	1	0
Indicator value	**1**	**2**	**2**	**3**	**2**	**1**	**2**	**1**

Licensee Comments:

2Q/15: LER 50-306/2015-001-00, 5/4/2015, 21 Fan Coil Unit Leak - Containment Declared Inoperable

3Q/14: LER 50-306/2014-002-00, 7/15/14 23 Fan Coil Unit Lower Northeast Face Corner Gasket Leaking

1Q/14: LER 50-306/2014-001-00, March 3, 2014, Unanalyzed Condition Due to Removal of Multiple Steam Generator Lateral Support Shims and Bumpers

4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	1.24E-07	2.86E-08	5.50E-08	6.82E-08	6.08E-08	5.16E-08	6.17E-08	4.98E-08
URI (ΔCDF)	3.09E-07	2.83E-07	2.87E-07	9.20E-08	9.37E-08	8.02E-08	1.52E-07	1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.30E-07**	**3.10E-07**	**3.40E-07**	**1.60E-07**	**1.50E-07**	**1.30E-07**	**2.10E-07**	**2.00E-07**

Licensee Comments:

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

3Q/14: The D5 & D6 EDGs had a Planned Unavailability Baseline change that went into effect for the 3rd Quarter of 2014 (3Q2014). This change reflects current plant maintenance philosophy.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the

PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-9.96E-09	-8.63E-09	-8.63E-09	-8.63E-09	-8.63E-09	-8.51E-09	-8.51E-09	-8.25E-09
URI (ΔCDF)	-2.60E-08	-2.48E-08	-2.49E-08	-2.50E-08	-2.48E-08	-2.48E-08	-2.47E-08	-2.48E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-08**	**-3.30E-08**	**-3.40E-08**	**-3.40E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**

Licensee Comments:

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change

Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-3.63E-08	-3.05E-08	-3.05E-08	-3.05E-08	-3.05E-08	-2.68E-08	-2.68E-08	-2.69E-08
URI (ΔCDF)	-1.73E-07	-1.71E-07	-1.69E-07	-1.69E-07	-1.68E-07	-1.44E-07	-1.44E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
	-2.10E-	**-2.00E-**	**-2.00E-**	**-2.00E-**	**-2.00E-**	**-1.70E-**	**-1.70E-**	**-1.70E-**

Indicator value	**07**	**07**	**07**	**07**	**07**	**07**	**07**	**07**

Licensee Comments:

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains. As a result of the PRA model change, the motor valves are no longer monitored components.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-2.36E-08	-1.82E-08	-1.82E-08	-1.82E-08	-1.82E-08	-1.73E-08	-1.73E-08	-1.73E-08
URI (ΔCDF)	2.59E-07	2.24E-07	2.24E-07	2.24E-07	2.39E-07	2.39E-07	-8.81E-08	-8.83E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-07**	**2.10E-07**	**2.10E-07**	**2.10E-07**	**2.20E-07**	**2.20E-07**	**-1.10E-07**	**-1.10E-07**

Licensee Comments:

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were

revised, and Auxiliary Feedwater monitored components were added.

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (ΔCDF)	1.03E-07	1.19E-07	8.93E-08	9.61E-08	9.26E-08	1.31E-07	2.19E-07	2.15E-07
URI (ΔCDF)	-2.58E-07	-3.08E-08	-3.05E-08	-3.13E-08	-3.04E-08	-4.35E-08	-4.20E-08	-3.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**8.90E-08**	**5.90E-08**	**6.50E-08**	**6.20E-08**	**8.80E-08**	**1.80E-07**	**1.80E-07**

Licensee Comments:

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process. A failure evaluation for Sept 26, 2015, loss of bearing water pressue on 121 motor driven cooling water pump while the pump was running is pending. Preliminary determination is that this condition is not an MSPI failure.

2Q/15: MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable and characterize loss of bearing water pressure as unplanned pump unavailability.

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units. / MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable.

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter. / MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable.

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

2Q/14: Data correction to reflect diesel driven cooling water pump replacement while motor driven pump was aligned. 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of second quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

2Q/14: Data correction to reflect diesel driven cooling water pump replacement while motor driven pump was aligned. 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of second quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

1Q/14: MSPI Unavailability corrections due to previously omitted unavailability window for swing pump when dedicated to opposite train and math error.

1Q/14: MSPI Unavailability corrections due to previously omitted unavailability window for swing pump when dedicated to opposite train and math error. (2Q2015) Correction to align with NEI 99-02 and MSPI Basis Document. Single cooling water strainer out of service does not render header unavailable for MSPI.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system. / MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum activity	N/A	N/A	N/A	0.000034	0.000045	0.000045	0.000051	0.000041	0.000056	0.000056	0.000048	0.000050
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**N/A**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum activity	0.000051	0.000054	0.000054	0.000049	0.000056	0.000041	0.000055	0.000059	0.000061	0.000061	0.000063	0.000068
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum leakage	0	0	0	0.093	0.112	0.115	0.152	0.118	0.273	0.166	0.186	0.205
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0.9**	**1.1**	**1.2**	**1.5**	**1.2**	**2.7**	**1.7**	**1.9**	**2.1**
Reactor Coolant System Leakage	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum leakage	0.202	0.165	0.182	0.479	0.197	0.203	0.110	0.128	0.136	0.143	0.206	0.288
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.0**	**1.7**	**1.8**	**4.8**	**2.0**	**2.0**	**1.1**	**1.3**	**1.4**	**1.4**	**2.1**	**2.9**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	0	106.0	112.0	71.0	8.0	32.0	28.0	2.0
Total opportunities	0	110.0	114.0	71.0	8.0	32.0	28.0	2.0
Indicator value	**95.7%**	**96.1%**	**96.5%**	**96.9%**	**97.1%**	**98.3%**	**98.3%**	**98.4%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	141.0	142.0	149.0	153.0	156.0	158.0	148.0	142.0
Total Key personnel	142.0	143.0	150.0	153.0	156.0	158.0	148.0	142.0
Indicator value	**99.3%**	**99.3%**	**99.3%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	1591	1591	1596	1574	1719	1469	1587	1722
Total sirens-tests	1599	1599	1599	1599	1722	1476	1599	1722
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.3%**	**99.4%**	**99.4%**	**99.3%**	**99.7%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: December 15, 2015

Prairie Island 2

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	0	0	0	0	2.0	0	1.0
Critical hours	2141.3	2080.6	2208.0	2209.0	1682.8	2035.8	2208.0	718.8
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.7**	**1.7**	**3.2**

Licensee Comments:

4Q/15: The Green-White threshold has been exceeded for this indicator due to three unplanned scrams in 2015 (April, June & December).

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	1.0	0	0	0	1.0	0	0	0
Critical hours	2141.3	2080.6	2208.0	2209.0	1682.8	2035.8	2208.0	718.8
Indicator value	**1.1**	**1.1**	**1.1**	**0.8**	**0.9**	**0.9**	**0.9**	**1.1**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Safety System Functional Failures	1	0	1	0	0	1	0	1
Indicator value	**2**	**2**	**3**	**2**	**1**	**2**	**1**	**2**

Licensee Comments:

4Q/15: LER 50-282/2015-006-00, reported on 10/5/15 for Quarterly Containment Spray Pump Surveillance Test Methodology

2Q/15: LER 50-306/2015-001-00, 5/4/2015, 21 Fan Coil Unit Leak - Containment Declared Inoperable

3Q/14: LER 50-306/2014-002-00, 7/15/14 23 Fan Coil Unit Lower Northeast Face Corner Gasket Leaking

1Q/14: LER 50-306/2014-001-00, March 3, 2014, Unanalyzed Condition Due to Removal of Multiple Steam Generator Lateral Support Shims and Bumpers

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	2.86E-08	5.50E-08	6.82E-08	6.08E-08	5.16E-08	6.17E-08	4.98E-08	1.03E-07
URI (ΔCDF)	2.83E-07	2.87E-07	9.20E-08	9.37E-08	8.02E-08	1.52E-07	1.53E-07	-6.87E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-07**	**3.40E-07**	**1.60E-07**	**1.50E-07**	**1.30E-07**	**2.10E-07**	**2.00E-07**	**9.60E-08**

Licensee Comments:

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

3Q/14: The D5 & D6 EDGs had a Planned Unavailability Baseline change that went into effect for the 3rd Quarter of 2014 (3Q2014). This change reflects current plant maintenance philosophy.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic

update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-8.63E-09	-8.63E-09	-8.63E-09	-8.63E-09	-8.51E-09	-8.51E-09	-8.25E-09	-7.89E-09
URI (ΔCDF)	-2.48E-08	-2.49E-08	-2.50E-08	-2.48E-08	-2.48E-08	-2.47E-08	-2.48E-08	-2.48E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-3.40E-08**	**-3.40E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**

Licensee Comments:

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-3.05E-08	-3.05E-08	-3.05E-08	-3.05E-08	-2.68E-08	-2.68E-08	-2.69E-08	-2.69E-08
URI (ΔCDF)	-1.71E-07	-1.69E-07	-1.69E-07	-1.68E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.45E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-07**	**-2.00E-07**	**-2.00E-07**	**-2.00E-07**	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**

Licensee Comments:

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains. As a result of the PRA model change, the motor valves are no longer monitored components.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	-1.82E-08	-1.82E-08	-1.82E-08	-1.82E-08	-1.73E-08	-1.73E-08	-1.73E-08	-1.73E-08
URI (ΔCDF)	2.24E-07	2.24E-07	2.24E-07	2.39E-07	2.39E-07	-8.81E-08	-8.83E-08	-1.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-07**	**2.10E-07**	**2.10E-07**	**2.20E-07**	**2.20E-07**	**-1.10E-07**	**-1.10E-07**	**-1.20E-07**

Licensee Comments:

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	1.19E-07	8.93E-08	9.61E-08	9.26E-08	1.31E-07	2.19E-07	2.15E-07	2.09E-07
URI (ΔCDF)	-3.08E-08	-3.05E-08	-3.13E-08	-3.04E-08	-4.35E-08	-4.20E-08	-3.78E-08	-3.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.90E-08**	**5.90E-08**	**6.50E-08**	**6.20E-08**	**8.80E-08**	**1.80E-07**	**1.80E-07**	**1.70E-07**

Licensee Comments:

4Q/15: The pending evaluation for loss of bearing water pressure on 121 motor driven cooling water pump in a previous quarter was not an MSPI failure. Bearing water flow was observed, although indicated pressure was zero. Pump was not failed and would not fail prior to meeting mission time.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process. A failure evaluation for Sept 26, 2015, loss of bearing water pressue on 121 motor driven cooling water pump while the pump was running is pending. Preliminary determination is that this condition is not an MSPI failure.

2Q/15: MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable and characterize loss of bearing water pressure as unplanned pump unavailability.

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a

corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units. / MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter. / MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

2Q/14: Data correction to reflect diesel driven cooling water pump replacement while motor driven pump was aligned. 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of second quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

2Q/14: Data correction to reflect diesel driven cooling water pump replacement while motor driven pump was aligned. 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of second quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability,

that will be evaluated in light of vendor information.

1Q/14: MSPI Unavailability corrections due to previously omitted unavailability window for swing pump when dedicated to opposite train and math error.

1Q/14: MSPI Unavailability corrections due to previously omitted unavailability window for swing pump when dedicated to opposite train and math error. (2Q2015) Correction to align with NEI 99-02 and MSPI Basis Document. Single cooling water strainer out of service does not render header unavailable for MSPI.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum activity	0.000034	0.000045	0.000045	0.000051	0.000041	0.000056	0.000056	0.000048	0.000050	0.000051	0.000054	0.000054
Technical specification												

limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum activity	0.000049	0.000056	0.000041	0.000055	0.000059	0.000061	0.000061	0.000063	0.000068	0.000065	N/A	0.000015
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum leakage	0.093	0.112	0.115	0.152	0.118	0.273	0.166	0.186	0.205	0.202	0.165	0.182
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.9**	**1.1**	**1.2**	**1.5**	**1.2**	**2.7**	**1.7**	**1.9**	**2.1**	**2.0**	**1.7**	**1.8**

Reactor Coolant System Leakage	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum leakage	0.479	0.197	0.203	0.110	0.128	0.136	0.143	0.206	0.288	0.267	0.006	0.221
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**4.8**	**2.0**	**2.0**	**1.1**	**1.3**	**1.4**	**1.4**	**2.1**	**2.9**	**2.7**	**0.1**	**2.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful opportunities	106.0	112.0	71.0	8.0	32.0	28.0	2.0	4.0
Total opportunities	110.0	114.0	71.0	8.0	32.0	28.0	2.0	4.0
Indicator value	**96.1%**	**96.5%**	**96.9%**	**97.1%**	**98.3%**	**98.3%**	**98.4%**	**98.4%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Participating Key personnel	142.0	149.0	153.0	156.0	158.0	148.0	142.0	136.0
Total Key personnel	143.0	150.0	153.0	156.0	158.0	148.0	142.0	136.0
Indicator value	**99.3%**	**99.3%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests	1591	1596	1574	1719	1469	1587	1722	1591
Total sirens-tests	1599	1599	1599	1722	1476	1599	1722	1599
Indicator value	**99.7%**	**99.7%**	**99.3%**	**99.4%**	**99.4%**	**99.3%**	**99.7%**	**99.6%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: March 1, 2016

Prairie Island 2

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned scrams	0	0	0	0	2.0	0	1.0	0
Critical hours	2080.6	2208.0	2209.0	1682.8	2035.8	2208.0	718.8	921.2
Indicator value	**0**	**0**	**0**	**0**	**1.7**	**1.7**	**3.2**	**3.6**

Licensee Comments:

4Q/15: The Green-White threshold has been exceeded for this indicator due to three unplanned scrams in 2015 (April, June & December).

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2080.6	2208.0	2209.0	1682.8	2035.8	2208.0	718.8	921.2
Indicator value	**1.1**	**1.1**	**0.8**	**0.9**	**0.9**	**0.9**	**1.1**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	0	1	0	0	1	0	1	0
Indicator value	**2**	**3**	**2**	**1**	**2**	**1**	**2**	**2**

Licensee Comments:

4Q/15: LER 50-282/2015-006-00, reported on 10/5/15 for Quarterly Containment Spray Pump Surveillance Test Methodology

2Q/15: LER 50-306/2015-001-00, 5/4/2015, 21 Fan Coil Unit Leak - Containment Declared Inoperable

3Q/14: LER 50-306/2014-002-00, 7/15/14 23 Fan Coil Unit Lower Northeast Face Corner Gasket Leaking

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	5.50E-08	6.82E-08	6.08E-08	5.16E-08	6.17E-08	4.98E-08	1.03E-07	2.20E-07
URI (ΔCDF)	2.87E-07	9.20E-08	9.37E-08	8.02E-08	1.52E-07	1.53E-07	-6.87E-09	1.53E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-07**	**1.60E-07**	**1.50E-07**	**1.30E-07**	**2.10E-07**	**2.00E-07**	**9.60E-08**	**2.40E-07**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

3Q/14: The D5 & D6 EDGs had a Planned Unavailability Baseline change that went into effect for the 3rd Quarter

of 2014 (3Q2014). This change reflects current plant maintenance philosophy.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-8.63E-09	-8.63E-09	-8.63E-09	-8.51E-09	-8.51E-09	-8.25E-09	-7.89E-09	-1.68E-08
URI (ΔCDF)	-2.49E-08	-2.50E-08	-2.48E-08	-2.48E-08	-2.47E-08	-2.48E-08	-2.48E-08	-4.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-08**	**-3.40E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-5.70E-08**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database

Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-3.05E-08	-3.05E-08	-3.05E-08	-2.68E-08	-2.68E-08	-2.69E-08	-2.69E-08	-3.02E-08
URI (ΔCDF)	-1.69E-07	-1.69E-07	-1.68E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.45E-07	-1.18E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-07**	**-2.00E-07**	**-2.00E-07**	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**	**-1.50E-07**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains. As a result of the PRA model change, the motor valves are no longer monitored components.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16

UAI (ΔCDF)	-1.82E-08	-1.82E-08	-1.82E-08	-1.73E-08	-1.73E-08	-1.73E-08	-1.73E-08	-1.46E-08
URI (ΔCDF)	2.24E-07	2.24E-07	2.39E-07	2.39E-07	-8.81E-08	-8.83E-08	-1.06E-07	-7.83E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-07**	**2.10E-07**	**2.20E-07**	**2.20E-07**	**-1.10E-07**	**-1.10E-07**	**-1.20E-07**	**-9.30E-08**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (ΔCDF)	8.93E-08	9.61E-08	9.26E-08	1.31E-07	2.19E-07	2.15E-07	2.09E-07	2.90E-07
URI (ΔCDF)	-3.05E-08	-3.13E-08	-3.04E-08	-4.35E-08	-4.20E-08	-3.78E-08	-3.75E-08	6.92E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.90E-08**	**6.50E-08**	**6.20E-08**	**8.80E-08**	**1.80E-07**	**1.80E-07**	**1.70E-07**	**3.00E-07**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

4Q/15: The pending evaluation for loss of bearing water pressure on 121 motor driven cooling water pump in a previous quarter was not an MSPI failure. Bearing water flow was observed, although indicated pressure was zero. Pump was not failed and would not fail prior to meeting mission time.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process. A failure evaluation for Sept 26, 2015, loss of bearing water pressue on 121 motor driven cooling water pump while the pump was running is pending. Preliminary determination is that this condition is not an MSPI failure.

2Q/15: MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable and characterize loss of bearing water pressure as unplanned pump unavailability.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units. / MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter. / MSPI Cooling Water corrections to include unavailability of pump while supply

breaker is unavailable.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

2Q/14: Data correction to reflect diesel driven cooling water pump replacement while motor driven pump was aligned. 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of second quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

2Q/14: Data correction to reflect diesel driven cooling water pump replacement while motor driven pump was aligned. 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of second quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum activity	0.000051	0.000041	0.000056	0.000056	0.000048	0.000050	0.000051	0.000054	0.000054	0.000049	0.000056	0.000041
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**
Maximum activity	0.000055	0.000059	0.000061	0.000061	0.000063	0.000068	0.000065	N/A	0.000015	N/A	0.000042	0.000037
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**N/A**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum leakage	0.152	0.118	0.273	0.166	0.186	0.205	0.202	0.165	0.182	0.479	0.197	0.203
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.5**	**1.2**	**2.7**	**1.7**	**1.9**	**2.1**	**2.0**	**1.7**	**1.8**	**4.8**	**2.0**	**2.0**
Reactor Coolant System Leakage	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**
Maximum leakage	0.110	0.128	0.136	0.143	0.206	0.288	0.267	0.006	0.221	0.292	0.131	0.304
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.1**	**1.3**	**1.4**	**1.4**	**2.1**	**2.9**	**2.7**	**0.1**	**2.2**	**2.9**	**1.3**	**3.0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful opportunities	112.0	71.0	8.0	32.0	28.0	2.0	4.0	40.0
Total opportunities	114.0	71.0	8.0	32.0	28.0	2.0	4.0	40.0
Indicator value	**96.5%**	**96.9%**	**97.1%**	**98.3%**	**98.3%**	**98.4%**	**98.4%**	**99.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Participating Key personnel	149.0	153.0	156.0	158.0	148.0	142.0	136.0	132.0
Total Key personnel	150.0	153.0	156.0	158.0	148.0	142.0	136.0	132.0
Indicator value	**99.3%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	1596	1574	1719	1469	1587	1722	1591	1596
Total sirens-tests	1599	1599	1722	1476	1599	1722	1599	1599
Indicator value	**99.7%**	**99.3%**	**99.4%**	**99.4%**	**99.3%**	**99.7%**	**99.6%**	**99.6%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: April 23, 2016

Prairie Island 2

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	0	2.0	0	1.0	0	0
Critical hours	2208.0	2209.0	1682.8	2035.8	2208.0	718.8	921.2	2184.0
Indicator value	**0**	**0**	**0**	**1.7**	**1.7**	**3.2**	**3.6**	**1.2**

Licensee Comments:

4Q/15: The Green-White threshold has been exceeded for this indicator due to three unplanned scrams in 2015 (April, June & December).

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	1682.8	2035.8	2208.0	718.8	921.2	2184.0
Indicator value	**1.1**	**0.8**	**0.9**	**0.9**	**0.9**	**1.1**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	1	0	0	1	0	1	0	0
Indicator value	**3**	**2**	**1**	**2**	**1**	**2**	**2**	**1**

Licensee Comments:

4Q/15: LER 50-282/2015-006-00, reported on 10/5/15 for Quarterly Containment Spray Pump Surveillance Test Methodology

2Q/15: LER 50-306/2015-001-00, 5/4/2015, 21 Fan Coil Unit Leak - Containment Declared Inoperable

3Q/14: LER 50-306/2014-002-00, 7/15/14 23 Fan Coil Unit Lower Northeast Face Corner Gasket Leaking

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	6.82E-08	6.08E-08	5.16E-08	6.17E-08	4.98E-08	1.03E-07	2.20E-07	1.47E-07
URI (ΔCDF)	9.20E-08	9.37E-08	8.02E-08	1.52E-07	1.53E-07	-6.87E-09	1.53E-08	1.53E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-07**	**1.50E-07**	**1.30E-07**	**2.10E-07**	**2.00E-07**	**9.60E-08**	**2.40E-07**	**1.60E-07**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

3Q/14: The D5 & D6 EDGs had a Planned Unavailability Baseline change that went into effect for the 3rd Quarter

of 2014 (3Q2014). This change reflects current plant maintenance philosophy.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-8.63E-09	-8.63E-09	-8.51E-09	-8.51E-09	-8.25E-09	-7.89E-09	-1.68E-08	-1.68E-08
URI (ΔCDF)	-2.50E-08	-2.48E-08	-2.48E-08	-2.47E-08	-2.48E-08	-2.48E-08	-4.03E-08	-4.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-5.70E-08**	**-5.70E-08**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database

Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-3.05E-08	-3.05E-08	-2.68E-08	-2.68E-08	-2.69E-08	-2.69E-08	-3.02E-08	-3.02E-08
URI (ΔCDF)	-1.69E-07	-1.68E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.45E-07	-1.18E-07	-1.18E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-07**	**-2.00E-07**	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains. As a result of the PRA model change, the motor valves are no longer monitored components.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16

UAI (ΔCDF)	-1.82E-08	-1.82E-08	-1.73E-08	-1.73E-08	-1.73E-08	-1.73E-08	-1.46E-08	-1.46E-08
URI (ΔCDF)	2.24E-07	2.39E-07	2.39E-07	-8.81E-08	-8.83E-08	-1.06E-07	-7.83E-08	-7.83E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-07**	**2.20E-07**	**2.20E-07**	**-1.10E-07**	**-1.10E-07**	**-1.20E-07**	**-9.30E-08**	**-9.30E-08**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (ΔCDF)	9.61E-08	9.26E-08	1.31E-07	2.19E-07	2.15E-07	2.09E-07	2.90E-07	2.78E-07
URI (ΔCDF)	-3.13E-08	-3.04E-08	-4.35E-08	-4.20E-08	-3.78E-08	-3.75E-08	6.92E-09	6.89E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.50E-08**	**6.20E-08**	**8.80E-08**	**1.80E-07**	**1.80E-07**	**1.70E-07**	**3.00E-07**	**2.80E-07**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

4Q/15: The pending evaluation for loss of bearing water pressure on 121 motor driven cooling water pump in a previous quarter was not an MSPI failure. Bearing water flow was observed, although indicated pressure was zero. Pump was not failed and would not fail prior to meeting mission time.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process. A failure evaluation for Sept 26, 2015, loss of bearing water pressue on 121 motor driven cooling water pump while the pump was running is pending. Preliminary determination is that this condition is not an MSPI failure.

2Q/15: MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable and characterize loss of bearing water pressure as unplanned pump unavailability.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units. / MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter. / MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

3Q/14: 22 Cooling Water Pump was operable at time of replacement in April 2014. At time of third quarter submittal, vendor analysis of the pump which was removed is pending. If there is a question of past operability, that will be evaluated in light of vendor information.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum activity	0.000056	0.000048	0.000050	0.000051	0.000054	0.000054	0.000049	0.000056	0.000041	0.000055	0.000059	0.000061
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum activity	0.000061	0.000063	0.000068	0.000065	N/A	0.000015	N/A	0.000042	0.000037	0.000042	0.000048	0.000044
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	0.166	0.186	0.205	0.202	0.165	0.182	0.479	0.197	0.203	0.110	0.128	0.136
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.7**	**1.9**	**2.1**	**2.0**	**1.7**	**1.8**	**4.8**	**2.0**	**2.0**	**1.1**	**1.3**	**1.4**
Reactor Coolant System Leakage	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**
Maximum leakage	0.143	0.206	0.288	0.267	0.006	0.221	0.292	0.131	0.304	0.087	0.147	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**2.1**	**2.9**	**2.7**	**0.1**	**2.2**	**2.9**	**1.3**	**3.0**	**0.9**	**1.5**	**1.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	71.0	8.0	32.0	28.0	2.0	4.0	40.0	33.0
Total opportunities	71.0	8.0	32.0	28.0	2.0	4.0	40.0	34.0

Indicator value	**96.9%**	**97.1%**	**98.3%**	**98.3%**	**98.4%**	**98.4%**	**99.3%**	**99.5%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
Participating Key personnel	153.0	156.0	158.0	148.0	142.0	136.0	132.0	126.0
Total Key personnel	153.0	156.0	158.0	148.0	142.0	136.0	132.0	126.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	1574	1719	1469	1587	1722	1591	1596	1271
Total sirens-tests	1599	1722	1476	1599	1722	1599	1599	1276
Indicator value	**99.3%**	**99.4%**	**99.4%**	**99.3%**	**99.7%**	**99.6%**	**99.6%**	**99.7%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: July 25, 2016

Prairie Island 2

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	2.0	0	1.0	0	0	0
Critical hours	2209.0	1682.8	2035.8	2208.0	718.8	921.2	2184.0	2208.0
Indicator value	**0**	**0**	**1.7**	**1.7**	**3.2**	**3.6**	**1.2**	**1.2**

Licensee Comments:

4Q/15: The Green-White threshold has been exceeded for this indicator due to three unplanned scrams in 2015 (April, June & December).

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	1682.8	2035.8	2208.0	718.8	921.2	2184.0	2208.0
Indicator value	**0.8**	**0.9**	**0.9**	**0.9**	**1.1**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Safety System Functional Failures	0	0	1	0	1	0	0	0
Indicator value	**2**	**1**	**2**	**1**	**2**	**2**	**1**	**1**

Licensee Comments:

4Q/15: LER 50-282/2015-006-00, reported on 10/5/15 for Quarterly Containment Spray Pump Surveillance Test Methodology

2Q/15: LER 50-306/2015-001-00, 5/4/2015, 21 Fan Coil Unit Leak - Containment Declared Inoperable

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	6.08E-08	5.16E-08	6.17E-08	4.98E-08	1.03E-07	2.20E-07	1.47E-07	1.33E-07
URI (ΔCDF)	9.37E-08	8.02E-08	1.52E-07	1.53E-07	-6.87E-09	1.53E-08	1.53E-08	1.53E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-07**	**1.30E-07**	**2.10E-07**	**2.00E-07**	**9.60E-08**	**2.40E-07**	**1.60E-07**	**1.50E-07**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-8.63E-09	-8.51E-09	-8.51E-09	-8.25E-09	-7.89E-09	-1.68E-08	-1.68E-08	-1.59E-08
URI (ΔCDF)	-2.48E-08	-2.48E-08	-2.47E-08	-2.48E-08	-2.48E-08	-4.03E-08	-4.03E-08	-4.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-5.70E-08**	**-5.70E-08**	**-5.60E-08**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was

approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-3.05E-08	-2.68E-08	-2.68E-08	-2.69E-08	-2.69E-08	-3.02E-08	-3.02E-08	-3.02E-08
URI (ΔCDF)	-1.68E-07	-1.44E-07	-1.44E-07	-1.44E-07	-1.45E-07	-1.18E-07	-1.18E-07	-1.18E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-07**	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to

incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains. As a result of the PRA model change, the motor valves are no longer monitored components.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	-1.82E-08	-1.73E-08	-1.73E-08	-1.73E-08	-1.73E-08	-1.46E-08	-1.46E-08	-1.46E-08
			-8.81E-	-8.83E-	-1.06E-	-7.83E-	-7.83E-	-7.56E-

URI (ΔCDF)	2.39E-07	2.39E-07	08	08	07	08	08	08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-07**	**2.20E-07**	**-1.10E-07**	**-1.10E-07**	**-1.20E-07**	**-9.30E-08**	**-9.30E-08**	**-9.00E-08**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	9.26E-08	1.31E-07	2.19E-07	2.15E-07	2.09E-07	2.90E-07	2.78E-07	2.60E-07
URI (ΔCDF)	-3.04E-08	-4.35E-08	-4.20E-08	-3.78E-08	-3.75E-08	6.92E-09	6.89E-09	6.91E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.20E-08**	**8.80E-08**	**1.80E-07**	**1.80E-07**	**1.70E-07**	**3.00E-07**	**2.80E-07**	**2.70E-07**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

4Q/15: The pending evaluation for loss of bearing water pressure on 121 motor driven cooling water pump in a previous quarter was not an MSPI failure. Bearing water flow was observed, although indicated pressure was zero. Pump was not failed and would not fail prior to meeting mission time.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process. A failure evaluation for Sept 26, 2015, loss of bearing water pressue on 121 motor driven cooling water pump while the pump was running is pending. Preliminary determination is that this condition is not an MSPI failure.

2Q/15: MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable and characterize loss of bearing water pressure as unplanned pump unavailability.

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units. / MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary

Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter. / MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable.

4Q/14: Effective for the 4th quarter 2014, the reporting of Reliability Data for Component Cooling and Auxiliary Feedwater System MSPI Monitored Components has been changed to Estimated Operational/Alignment Demands and Estimated Operational/Alignment Run Hours. This change is coincident with an updated value of Estimated Test Demands and Estimated Test Run Hours for monitored components in these systems. This change did not require a change to the PRA model, is in accordance with NEI 99-02 requirements regarding Reporting of Estimated Data, and has basis documented in Prairie Island MSPI Basis Document Revision 15 as approved during the previous quarter.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum activity	0.000051	0.000054	0.000054	0.000049	0.000056	0.000041	0.000055	0.000059	0.000061	0.000061	0.000063	0.000068
Technical												

specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**
Maximum activity	0.000065	N/A	0.000015	N/A	0.000042	0.000037	0.000042	0.000048	0.000044	0.000044	0.000047	0.000047
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**N/A**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum leakage	0.202	0.165	0.182	0.479	0.197	0.203	0.110	0.128	0.136	0.143	0.206	0.288
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.0**	**1.7**	**1.8**	**4.8**	**2.0**	**2.0**	**1.1**	**1.3**	**1.4**	**1.4**	**2.1**	**2.9**

Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	0.267	0.006	0.221	0.292	0.131	0.304	0.087	0.147	0.120	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.7**	**0.1**	**2.2**	**2.9**	**1.3**	**3.0**	**0.9**	**1.5**	**1.2**	**0**	**0**	**0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	8.0	32.0	28.0	2.0	4.0	40.0	33.0	18.0
Total opportunities	8.0	32.0	28.0	2.0	4.0	40.0	34.0	20.0
Indicator value	**97.1%**	**98.3%**	**98.3%**	**98.4%**	**98.4%**	**99.3%**	**99.5%**	**98.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	156.0	158.0	148.0	142.0	136.0	132.0	126.0	163.0
Total Key personnel	156.0	158.0	148.0	142.0	136.0	132.0	126.0	163.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	1719	1469	1587	1722	1591	1596	1271	1595
Total sirens-tests	1722	1476	1599	1722	1599	1599	1276	1599
Indicator value	**99.4%**	**99.4%**	**99.3%**	**99.7%**	**99.6%**	**99.6%**	**99.7%**	**99.7%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: October 23, 2016

Prairie Island 2

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned scrams	0	2.0	0	1.0	0	0	0	0
Critical hours	1682.8	2035.8	2208.0	718.8	921.2	2184.0	2208.0	2209.0
Indicator value	**0**	**1.7**	**1.7**	**3.2**	**3.6**	**1.2**	**1.2**	**0**

Licensee Comments:

4Q/15: The Green-White threshold has been exceeded for this indicator due to three unplanned scrams in 2015 (April, June & December).

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1682.8	2035.8	2208.0	718.8	921.2	2184.0	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	0	1	0	1	0	0	0	0
Indicator value	**1**	**2**	**1**	**2**	**2**	**1**	**1**	**0**

Licensee Comments:

4Q/15: LER 50-282/2015-006-00, reported on 10/5/15 for Quarterly Containment Spray Pump Surveillance Test Methodology

2Q/15: LER 50-306/2015-001-00, 5/4/2015, 21 Fan Coil Unit Leak - Containment Declared Inoperable

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	5.16E-08	6.17E-08	4.98E-08	1.03E-07	2.20E-07	1.47E-07	1.33E-07	1.04E-07
URI (ΔCDF)	8.02E-08	1.52E-07	1.53E-07	-6.87E-09	1.53E-08	1.53E-08	1.53E-08	1.53E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-07**	**2.10E-07**	**2.00E-07**	**9.60E-08**	**2.40E-07**	**1.60E-07**	**1.50E-07**	**1.20E-07**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	-8.51E-09	-8.51E-09	-8.25E-09	-7.89E-09	-1.68E-08	-1.68E-08	-1.59E-08	-1.63E-08
URI (ΔCDF)	-2.48E-08	-2.47E-08	-2.48E-08	-2.48E-08	-4.03E-08	-4.03E-08	-4.03E-08	-3.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-5.70E-08**	**-5.70E-08**	**-5.60E-08**	**-5.10E-08**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was

approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	-2.68E-08	-2.68E-08	-2.69E-08	-2.69E-08	-3.02E-08	-3.02E-08	-3.02E-08	-3.02E-08
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.44E-07	-1.45E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.16E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to

incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains. As a result of the PRA model change, the motor valves are no longer monitored components.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	-1.73E-08	-1.73E-08	-1.73E-08	-1.73E-08	-1.46E-08	-1.46E-08	-1.46E-08	-1.46E-08
URI (ΔCDF)	2.39E-07	-8.81E-08	-8.83E-08	-1.06E-07	-7.83E-08	-7.83E-08	-7.56E-08	-6.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-07**	**-1.10E-07**	**-1.10E-07**	**-1.20E-07**	**-9.30E-08**	**-9.30E-08**	**-9.00E-08**	**-8.00E-08**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains.

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	1.31E-07	2.19E-07	2.15E-07	2.09E-07	2.90E-07	2.78E-07	2.60E-07	2.41E-07
URI (ΔCDF)	-4.35E-08	-4.20E-08	-3.78E-08	-3.75E-08	6.92E-09	6.89E-09	6.91E-09	8.59E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**8.80E-08**	**1.80E-07**	**1.80E-07**	**1.70E-07**	**3.00E-07**	**2.80E-07**	**2.70E-07**	**2.50E-07**

Licensee Comments:

1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

4Q/15: The pending evaluation for loss of bearing water pressure on 121 motor driven cooling water pump in a previous quarter was not an MSPI failure. Bearing water flow was observed, although indicated pressure was zero. Pump was not failed and would not fail prior to meeting mission time.

3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process. A failure evaluation for Sept 26, 2015, loss of bearing water pressue on 121 motor driven cooling water pump while the pump was running is pending. Preliminary determination is that this condition is not an MSPI failure.

2Q/15: MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable and characterize loss of bearing water pressure as unplanned pump unavailability.

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units. / MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable.

1Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

1Q/15: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.1 was approved on 11/21/2014 with a corresponding MSPI Basis Document Revision 16 approved on 2/26/2015. The PRA model revision was a maintenance update to the model which included an update to incorporate newly installed Unit 1 RCP Seals and PRA specific success criteria for cooling water trains on both units.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum activity	0.000049	0.000056	0.000041	0.000055	0.000059	0.000061	0.000061	0.000063	0.000068	0.000065	N/A	0.000015
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**

Reactor Coolant System Activity	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**	**10/16**	**11/16**	**12/16**
Maximum activity	N/A	0.000042	0.000037	0.000042	0.000048	0.000044	0.000044	0.000047	0.000047	0.000053	0.000050	0.000053
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum leakage	0.479	0.197	0.203	0.110	0.128	0.136	0.143	0.206	0.288	0.267	0.006	0.221
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**4.8**	**2.0**	**2.0**	**1.1**	**1.3**	**1.4**	**1.4**	**2.1**	**2.9**	**2.7**	**0.1**	**2.2**

Reactor Coolant System Leakage	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**	**10/16**	**11/16**	**12/16**
Maximum leakage	0.292	0.131	0.304	0.087	0.147	0.120	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.9**	**1.3**	**3.0**	**0.9**	**1.5**	**1.2**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful opportunities	32.0	28.0	2.0	4.0	40.0	33.0	18.0	10.0
Total opportunities	32.0	28.0	2.0	4.0	40.0	34.0	20.0	10.0
Indicator value	**98.3%**	**98.3%**	**98.4%**	**98.4%**	**99.3%**	**99.5%**	**98.2%**	**98.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Participating Key personnel	158.0	148.0	142.0	136.0	132.0	126.0	163.0	156.0
Total Key personnel	158.0	148.0	142.0	136.0	132.0	126.0	163.0	156.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	1469	1587	1722	1591	1596	1271	1595	1597
Total sirens-tests	1476	1599	1722	1599	1599	1276	1599	1599
Indicator value	**99.4%**	**99.3%**	**99.7%**	**99.6%**	**99.6%**	**99.7%**	**99.7%**	**99.8%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: January 24, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Prairie Island 2 – Quarterly Performance Indicators

1Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Alert Notification System corrected for total of sirens tested for June 2016. Drill / Exercise Performance corrected for September 2016. Changes do not affect the color of the indicators.

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned scrams	2.0	0	1.0	0	0	0	0	0
Critical hours	2035.8	2208.0	718.8	921.2	2184.0	2208.0	2209.0	2159.0
Indicator value	**1.7**	**1.7**	**3.2**	**3.6**	**1.2**	**1.2**	**0**	**0**

TOP

Licensee Comments:
4Q/15: The Green-White threshold has been exceeded for this indicator due to three unplanned scrams in 2015 (April, June & December).

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2035.8	2208.0	718.8	921.2	2184.0	2208.0	2209.0	2159.0
Indicator value	**0.9**	**0.9**	**1.1**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Safety System Functional Failures	1	0	1	0	0	0	0	0
Indicator value	**2**	**1**	**2**	**2**	**1**	**1**	**0**	**0**

TOP

Licensee Comments:
4Q/15: LER 50-282/2015-006-00, reported on 10/5/15 for Quarterly Containment Spray Pump Surveillance Test Methodology
2Q/15: LER 50-306/2015-001-00, 5/4/2015, 21 Fan Coil Unit Leak - Containment Declared Inoperable

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	6.17E-08	4.98E-08	1.03E-07	2.20E-07	1.47E-07	1.33E-07	1.04E-07	7.95E-08
URI (ΔCDF)	1.52E-07	1.53E-07	-6.87E-09	1.53E-08	1.53E-08	1.53E-08	1.53E-08	1.46E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-07**	**2.00E-07**	**9.60E-08**	**2.40E-07**	**1.60E-07**	**1.50E-07**	**1.20E-07**	**9.40E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-8.51E-09	-8.25E-09	-7.89E-09	-1.68E-08	-1.68E-08	-1.59E-08	-1.63E-08	-1.38E-08
URI (ΔCDF)	-2.47E-08	-2.48E-08	-2.48E-08	-4.03E-08	-4.03E-08	-4.03E-08	-3.50E-08	-3.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-3.30E-08**	**-3.30E-08**	**-5.70E-08**	**-5.70E-08**	**-5.60E-08**	**-5.10E-08**	**-4.60E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
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Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-2.68E-08	-2.69E-08	-2.69E-08	-3.02E-08	-3.02E-08	-3.02E-08	-3.02E-08	-2.42E-08
URI (ΔCDF)	-1.44E-07	-1.44E-07	-1.45E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.16E-07	-1.01E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.30E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-1.73E-08	-1.73E-08	-1.73E-08	-1.46E-08	-1.46E-08	-1.46E-08	-1.46E-08	-1.25E-08
URI (ΔCDF)	-8.81E-08	-8.83E-08	-1.06E-07	-7.83E-08	-7.83E-08	-7.56E-08	-6.57E-08	-4.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.10E-07**	**-1.20E-07**	**-9.30E-08**	**-9.30E-08**	**-9.00E-08**	**-8.00E-08**	**-5.70E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	2.19E-07	2.15E-07	2.09E-07	2.90E-07	2.78E-07	2.60E-07	2.41E-07	1.25E-07
URI (ΔCDF)	-4.20E-08	-3.78E-08	-3.75E-08	6.92E-09	6.89E-09	6.91E-09	8.59E-09	-9.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-07**	**1.80E-07**	**1.70E-07**	**3.00E-07**	**2.80E-07**	**2.70E-07**	**2.50E-07**	**3.40E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
4Q/15: The pending evaluation for loss of bearing water pressure on 121 motor driven cooling water pump in a previous quarter was not an MSPI failure. Bearing water flow was observed, although indicated pressure was zero. Pump was not failed and would not fail prior to meeting mission time.
3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process. A failure evaluation for Sept 26, 2015, loss of bearing water pressue on 121 motor driven cooling water pump while the pump was running is pending. Preliminary determination is that this condition is not an MSPI failure.
2Q/15: MSPI Cooling Water corrections to include unavailability of pump while supply breaker is unavailable and characterize loss of bearing water pressure as unplanned pump unavailability.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000055	0.000059	0.000061	0.000061	0.000063	0.000068	0.000065	N/A	0.000015	N/A	0.000042	0.000037
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**N/A**	**0**	**0**

Reactor Coolant System Activity	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum activity	0.000042	0.000048	0.000044	0.000044	0.000047	0.000047	0.000053	0.000050	0.000053	0.000051	0.000053	0.000054
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum leakage	0.110	0.128	0.136	0.143	0.206	0.288	0.267	0.006	0.221	0.292	0.131	0.304
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.1**	**1.3**	**1.4**	**1.4**	**2.1**	**2.9**	**2.7**	**0.1**	**2.2**	**2.9**	**1.3**	**3.0**

Reactor Coolant System Leakage	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum leakage	0.087	0.147	0.120	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.9**	**1.5**	**1.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful opportunities	28.0	2.0	4.0	40.0	33.0	22.0	10.0	13.0
Total opportunities	28.0	2.0	4.0	40.0	34.0	24.0	10.0	14.0
Indicator value	**98.3%**	**98.4%**	**98.4%**	**99.3%**	**99.5%**	**98.3%**	**98.3%**	**97.4%**

TOP

Licensee Comments: none

Notes

ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	148.0	142.0	136.0	132.0	126.0	163.0	156.0	159.0
Total Key personnel	148.0	142.0	136.0	132.0	126.0	163.0	156.0	160.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.4%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	1587	1722	1591	1596	1594	1595	1597	1594
Total sirens-tests	1599	1722	1599	1599	1599	1599	1599	1599
Indicator value	**99.3%**	**99.7%**	**99.6%**	**99.6%**	**99.8%**	**99.7%**	**99.8%**	**99.7%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Current data as of: May 5, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Prairie Island 2 – Quarterly Performance Indicators

2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
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- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	718.8	921.2	2184.0	2208.0	2209.0	2159.0	2184.0
Indicator value	**1.7**	**3.2**	**3.6**	**1.2**	**1.2**	**0**	**0**	**0**

TOP

Licensee Comments:
4Q/15: The Green-White threshold has been exceeded for this indicator due to three unplanned scrams in 2015 (April, June & December).

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	718.8	921.2	2184.0	2208.0	2209.0	2159.0	2184.0
Indicator value	**0.9**	**1.1**	**0**	**0**	**0**	**0**	**0**	**0.8**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	**1**	**2**	**2**	**1**	**1**	**0**	**0**	**0**

TOP

Licensee Comments:
4Q/15: LER 50-282/2015-006-00, reported on 10/5/15 for Quarterly Containment Spray Pump Surveillance Test Methodology

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	4.98E-08	1.03E-07	2.20E-07	1.47E-07	1.33E-07	1.04E-07	7.95E-08	4.98E-08
URI (ΔCDF)	1.53E-07	-6.87E-09	1.53E-08	1.53E-08	1.53E-08	1.53E-08	1.46E-08	1.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-07**	**9.60E-08**	**2.40E-07**	**1.60E-07**	**1.50E-07**	**1.20E-07**	**9.40E-08**	**6.50E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-8.25E-09	-7.89E-09	-1.68E-08	-1.68E-08	-1.59E-08	-1.63E-08	-1.38E-08	-1.26E-08
URI (ΔCDF)	-2.48E-08	-2.48E-08	-4.03E-08	-4.03E-08	-4.03E-08	-3.50E-08	-3.19E-08	-3.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-3.30E-08**	**-5.70E-08**	**-5.70E-08**	**-5.60E-08**	**-5.10E-08**	**-4.60E-08**	**-4.40E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-2.69E-08	-2.69E-08	-3.02E-08	-3.02E-08	-3.02E-08	-3.02E-08	-2.42E-08	-2.41E-08
URI (ΔCDF)	-1.44E-07	-1.45E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.16E-07	-1.01E-07	-1.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.70E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.30E-07**	**-1.30E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-1.73E-08	-1.73E-08	-1.46E-08	-1.46E-08	-1.46E-08	-1.46E-08	-1.25E-08	-1.25E-08
URI (ΔCDF)	-8.83E-08	-1.06E-07	-7.83E-08	-7.83E-08	-7.56E-08	-6.57E-08	-4.49E-08	-4.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.20E-07**	**-9.30E-08**	**-9.30E-08**	**-9.00E-08**	**-8.00E-08**	**-5.70E-08**	**-5.70E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process.

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	2.15E-07	2.09E-07	2.90E-07	2.78E-07	2.60E-07	2.41E-07	1.25E-07	1.35E-07
URI (ΔCDF)	-3.78E-08	-3.75E-08	7.65E-09	7.78E-09	7.98E-09	9.82E-09	-8.93E-08	-8.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-07**	**1.70E-07**	**3.00E-07**	**2.90E-07**	**2.70E-07**	**2.50E-07**	**3.60E-08**	**4.60E-08**

TOP

Licensee Comments:
2Q/17: Corrected device type for motor valves which became MSPI monitored components effective 1/1/2016.
1Q/17: Changed PRA Parameter(s).
1Q/16: The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
4Q/15: The pending evaluation for loss of bearing water pressure on 121 motor driven cooling water pump in a previous quarter was not an MSPI failure. Bearing water flow was observed, although indicated pressure was zero. Pump was not failed and would not fail prior to meeting mission time.
3Q/15: PINGP PRA Model Revision 5.1 was approved on 4/20/2014 with a corresponding MSPI Basis Document Revision 18 approved on 6/10/2015 and Coefficients effective 7/1/2015. The PRA model revision was to incorporate Mayer Groove RCP seals installed on Unit 1 and minor updates identified in the PRA Change Database Process. A failure evaluation for Sept 26, 2015, loss of bearing water pressue on 121 motor driven cooling water pump while the pump was running is pending. Preliminary determination is that this condition is not an MSPI failure.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum activity	0.000061	0.000063	0.000068	0.000065	N/A	0.000015	N/A	0.000042	0.000037	0.000042	0.000048	0.000044
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum activity	0.000044	0.000047	0.000047	0.000053	0.000050	0.000053	0.000051	0.000053	0.000054	0.000052	0.000056	0.000063
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	0.143	0.206	0.288	0.267	0.006	0.221	0.292	0.131	0.304	0.087	0.147	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**2.1**	**2.9**	**2.7**	**0.1**	**2.2**	**2.9**	**1.3**	**3.0**	**0.9**	**1.5**	**1.2**

Reactor Coolant System Leakage	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful opportunities	2.0	4.0	40.0	33.0	22.0	10.0	13.0	26.0
Total opportunities	2.0	4.0	40.0	34.0	24.0	10.0	14.0	26.0
Indicator value	**98.4%**	**98.4%**	**99.3%**	**99.5%**	**98.3%**	**98.3%**	**97.4%**	**97.4%**

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	142.0	136.0	132.0	126.0	163.0	156.0	159.0	158.0
Total Key personnel	142.0	136.0	132.0	126.0	163.0	156.0	160.0	158.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.4%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful siren-tests	1722	1591	1596	1594	1595	1597	1594	1597
Total sirens-tests	1722	1599	1599	1599	1599	1599	1599	1599
Indicator value	**99.7%**	**99.6%**	**99.6%**	**99.8%**	**99.7%**	**99.8%**	**99.7%**	**99.8%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Current data as of: July 26, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Prairie Island 2 – Quarterly Performance Indicators

3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	718.8	921.2	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**3.2**	**3.6**	**1.2**	**1.2**	**0**	**0**	**0**	**0**

TOP

Licensee Comments:
4Q/15: The Green-White threshold has been exceeded for this indicator due to three unplanned scrams in 2015 (April, June & December).

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	718.8	921.2	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**1.1**	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.8**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	**2**	**2**	**1**	**1**	**0**	**0**	**0**	**0**

TOP

Licensee Comments:
4Q/15: LER 50-282/2015-006-00, reported on 10/5/15 for Quarterly Containment Spray Pump Surveillance Test Methodology

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	1.03E-07	2.20E-07	1.47E-07	1.33E-07	1.04E-07	7.95E-08	4.98E-08	1.67E-07
URI (ΔCDF)	-6.87E-09	1.53E-08	1.53E-08	1.53E-08	1.53E-08	1.46E-08	1.52E-08	1.29E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.60E-08**	**2.40E-07**	**1.60E-07**	**1.50E-07**	**1.20E-07**	**9.40E-08**	**6.50E-08**	**3.00E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-7.89E-09	-1.68E-08	-1.68E-08	-1.59E-08	-1.63E-08	-1.38E-08	-1.26E-08	-1.28E-08
URI (ΔCDF)	-2.48E-08	-4.03E-08	-4.03E-08	-4.03E-08	-3.50E-08	-3.19E-08	-3.19E-08	-3.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-5.70E-08**	**-5.70E-08**	**-5.60E-08**	**-5.10E-08**	**-4.60E-08**	**-4.40E-08**	**-4.50E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-2.69E-08	-3.02E-08	-3.02E-08	-3.02E-08	-3.02E-08	-2.42E-08	-2.41E-08	-2.42E-08
URI (ΔCDF)	-1.45E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.16E-07	-1.01E-07	-1.02E-07	-1.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.30E-07**	**-1.30E-07**	**-1.30E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-1.73E-08	-1.46E-08	-1.46E-08	-1.46E-08	-1.46E-08	-1.25E-08	-1.25E-08	-1.25E-08
URI (ΔCDF)	-1.06E-07	-7.83E-08	-7.83E-08	-7.56E-08	-6.57E-08	-4.49E-08	-4.49E-08	-4.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-9.30E-08**	**-9.30E-08**	**-9.00E-08**	**-8.00E-08**	**-5.70E-08**	**-5.70E-08**	**-5.80E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	2.09E-07	2.90E-07	2.78E-07	2.60E-07	2.41E-07	1.25E-07	1.35E-07	1.31E-07
URI (ΔCDF)	-3.75E-08	7.65E-09	7.78E-09	7.98E-09	9.82E-09	-8.93E-08	-8.91E-08	-8.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-07**	**3.00E-07**	**2.90E-07**	**2.70E-07**	**2.50E-07**	**3.60E-08**	**4.60E-08**	**4.20E-08**

TOP

Licensee Comments:
2Q/17: Corrected device type for motor valves which became MSPI monitored components effective 1/1/2016.
1Q/17: Changed PRA Parameter(s).
1Q/16: The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
4Q/15: The pending evaluation for loss of bearing water pressure on 121 motor driven cooling water pump in a previous quarter was not an MSPI failure. Bearing water flow was observed, although indicated pressure was zero. Pump was not failed and would not fail prior to meeting mission time.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	0.000065	N/A	0.000015	N/A	0.000042	0.000037	0.000042	0.000048	0.000044	0.000044	0.000047	0.000047
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**N/A**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum activity	0.000053	0.000050	0.000053	0.000051	0.000053	0.000054	0.000052	0.000056	0.000063	0.000057	0.000061	0.000059
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Notes

Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	0.267	0.006	0.221	0.292	0.131	0.304	0.087	0.147	0.120	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.7**	**0.1**	**2.2**	**2.9**	**1.3**	**3.0**	**0.9**	**1.5**	**1.2**	**0**	**0**	**0**

Reactor Coolant System Leakage	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Notes

Drill/Exercise Performance	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful opportunities	4.0	40.0	33.0	22.0	10.0	13.0	26.0	6.0
Total opportunities	4.0	40.0	34.0	24.0	10.0	14.0	26.0	6.0
Indicator value	**98.4%**	**99.3%**	**99.5%**	**98.3%**	**98.3%**	**97.4%**	**97.4%**	**97.5%**

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Participating Key personnel	136.0	132.0	126.0	163.0	156.0	159.0	158.0	153.0
Total Key personnel	136.0	132.0	126.0	163.0	156.0	160.0	158.0	153.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.4%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	1591	1596	1594	1595	1597	1594	1597	1592
Total sirens-tests	1599	1599	1599	1599	1599	1599	1599	1599
Indicator value	**99.6%**	**99.6%**	**99.8%**	**99.7%**	**99.8%**	**99.7%**	**99.8%**	**99.7%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Current data as of: October 31, 2017

Page Last Reviewed/Updated Monday, November 06, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Prairie Island 2 – Quarterly Performance Indicators

4Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Unplanned Power Changes per 7000 critical hours (IE03) update to Unit 2 Sept 2017; change does not affect the color of the indicator.

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	921.2	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0	1327.2
Indicator value	**3.6**	**1.2**	**1.2**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned power changes	0	0	0	0	0	1.0	1.0	0
Critical hours	921.2	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0	1327.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**1.6**	**1.8**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**2**	**1**	**1**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	2.20E-07	1.47E-07	1.33E-07	1.04E-07	7.95E-08	4.98E-08	1.67E-07	1.79E-07
URI (ΔCDF)	1.53E-08	1.53E-08	1.53E-08	1.53E-08	1.46E-08	1.52E-08	1.29E-07	1.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-07**	**1.60E-07**	**1.50E-07**	**1.20E-07**	**9.40E-08**	**6.50E-08**	**3.00E-07**	**3.10E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.68E-08	-1.68E-08	-1.59E-08	-1.63E-08	-1.38E-08	-1.26E-08	-1.28E-08	-1.22E-08
URI (ΔCDF)	-4.03E-08	-4.03E-08	-4.03E-08	-3.50E-08	-3.19E-08	-3.19E-08	-3.19E-08	-3.22E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-5.70E-08**	**-5.70E-08**	**-5.60E-08**	**-5.10E-08**	**-4.60E-08**	**-4.40E-08**	**-4.50E-08**	**-4.40E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**	**1Q/17**	**2Q/17**	**3Q/17**	**4Q/17**
UAI (ΔCDF)	-3.02E-08	-3.02E-08	-3.02E-08	-3.02E-08	-2.42E-08	-2.41E-08	-2.42E-08	-2.42E-08
URI (ΔCDF)	-1.18E-07	-1.18E-07	-1.18E-07	-1.16E-07	-1.01E-07	-1.02E-07	-1.02E-07	-1.03E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.30E-07**	**-1.30E-07**	**-1.30E-07**	**-1.30E-07**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.46E-08	-1.46E-08	-1.46E-08	-1.46E-08	-1.25E-08	-1.25E-08	-1.25E-08	-1.25E-08
URI (ΔCDF)	-7.83E-08	-7.83E-08	-7.56E-08	-6.57E-08	-4.49E-08	-4.49E-08	-4.51E-08	-5.02E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.30E-08**	**-9.30E-08**	**-9.00E-08**	**-8.00E-08**	**-5.70E-08**	**-5.70E-08**	**-5.80E-08**	**-6.30E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s).
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	2.90E-07	2.78E-07	2.60E-07	2.41E-07	1.25E-07	1.35E-07	1.31E-07	1.43E-07
URI (ΔCDF)	7.65E-09	7.78E-09	7.98E-09	9.82E-09	-8.93E-08	-8.91E-08	-8.89E-08	-8.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.00E-07**	**2.90E-07**	**2.70E-07**	**2.50E-07**	**3.60E-08**	**4.60E-08**	**4.20E-08**	**5.40E-08**

TOP

Licensee Comments:
2Q/17: Corrected device type for motor valves which became MSPI monitored components effective 1/1/2016.
1Q/17: Changed PRA Parameter(s).
1Q/16: The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.
1Q/16: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.2 was approved on 11/30/2015 with corresponding MSPI Basis Document Revision 20 approved 3/18/2016. This incorporates FAQ 14-01, data analysis update and plant installed Mayer Groove RCP seals.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum activity	N/A	0.000042	0.000037	0.000042	0.000048	0.000044	0.000044	0.000047	0.000047	0.000053	0.000050	0.000053
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum activity	0.000051	0.000053	0.000054	0.000052	0.000056	0.000063	0.000057	0.000061	0.000059	0.000060	0.000038	0.000050
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum leakage	0.292	0.131	0.304	0.087	0.147	0.120	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**2.9**	**1.3**	**3.0**	**0.9**	**1.5**	**1.2**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Leakage	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0.005	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful opportunities	40.0	33.0	22.0	10.0	13.0	26.0	6.0	6.0
Total opportunities	40.0	34.0	24.0	10.0	14.0	26.0	6.0	6.0
Indicator value	**99.3%**	**99.5%**	**98.3%**	**98.3%**	**97.4%**	**97.4%**	**97.5%**	**97.5%**

TOP

Licensee Comments: none

Notes

ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	132.0	126.0	163.0	156.0	159.0	158.0	153.0	144.0
Total Key personnel	132.0	126.0	163.0	156.0	160.0	158.0	153.0	144.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.4%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	1596	1594	1595	1597	1594	1597	1592	1583
Total sirens-tests	1599	1599	1599	1599	1599	1599	1599	1599
Indicator value	**99.6%**	**99.8%**	**99.7%**	**99.8%**	**99.7%**	**99.8%**	**99.7%**	**99.5%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Current data as of: February 1, 2018

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