Prairie Island 1

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	1.0	0	0	0	0
Critical hours	2017.3	1267.0	2208.0	2209.0	2184.0
Indicator value	**2.7**	**1.9**	**1.9**	**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/99	2Q/99	3Q/99	4Q/99	1Q/00
Scrams	1.0	0	0	0	0
Indicator value	**3.0**	**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/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2017.3	1267.0	2208.0	2209.0	2184.0
Indicator value	**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	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	32.74	9.72	13.45	10.38	18.52
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	42.93	51.74	11.05	10.17	15.85
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	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**1.4%**	**1.4%**	**1.3%**	**1.3%**	**1.3%**

Licensee Comments:

1Q/00: Planned unavailable hours for 3Q96, 2Q97, 2Q98, 3Q99, and 1Q2000 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. During a review of data for removal of the overhaul hours, a 0.1 hour data error was identified for 3Q96 Train 2 planned unavailable hours. Planned hours reported were 90.75 and should have been 90.85. This was corrected with this change. The changes did not result in a threshold color change.

1Q/00: Planned unavailable hours for 3Q96, 2Q97, 2Q98, 3Q99, and 1Q2000 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. During a review of data for removal of the overhaul hours, a 0.1 hour data error was identified for 3Q96 Train 2 planned unavailable hours. Planned hours reported were 90.75 and should have been 90.85. This was corrected with this change. The 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	0.65	0.59	3.15	2.16	18.72
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	2017.30	1267.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	9.88	38.29	2.72	2.03	0.99
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	2017.30	1267.00	2208.00	2209.00	2184.00
Indicator value	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**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	7.05	11.87	7.10	8.28	15.46
Unplanned unavailable hours	1.95	0	0	17.94	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2017.30	1267.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	15.61	42.86	4.86	5.84	6.24
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	2017.30	1267.00	2208.00	2209.00	2184.00
Indicator value	**0.7%**	**0.8%**	**0.7%**	**0.8%**	**0.8%**

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/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0.75	7.40	12.28	6.05	9.03
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	9.96	38.59	14.07	3.53	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	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments:

2Q/99: The RHR unavailability hours reported in 4Q97 (Train 1) and 2Q99 (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/99: The RHR unavailability hours reported in 4Q97 (Train 1) and 2Q99 (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.

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	**5**	**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	0.000430	0.000082	0.000210	0.000200	0.000850	0.000700	0.000760	0.000830	0.001200	0.001200	0.001200	0.001400
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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.

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 1

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	0
Critical hours	1267.0	2208.0	2209.0	2184.0	2183.0
Indicator value	**1.9**	**1.9**	**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/99	3Q/99	4Q/99	1Q/00	2Q/00
Scrams	0	0	0	0	0
Indicator value	**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/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	1267.0	2208.0	2209.0	2184.0	2183.0
Indicator value	**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	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	9.72	13.45	10.38	18.52	10.30
Unplanned unavailable hours	0	0	0	0	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	2183.00
Train 2					
Planned unavailable hours	51.74	11.05	10.17	15.85	10.49
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	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**1.4%**	**1.3%**	**1.3%**	**1.3%**	**1.3%**

Licensee Comments:

1Q/00: Planned unavailable hours for 3Q96, 2Q97, 2Q98, 3Q99, and 1Q2000 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. During a review of data for removal of the overhaul hours, a 0.1 hour data error was identified for 3Q96 Train 2 planned unavailable hours. Planned hours reported were 90.75 and should have been 90.85. This was corrected with this change. The changes did not result in a threshold color change.

1Q/00: Planned unavailable hours for 3Q96, 2Q97, 2Q98, 3Q99, and 1Q2000 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. During a review of data for removal of the overhaul hours, a 0.1 hour data error was identified for 3Q96 Train 2 planned unavailable hours. Planned hours reported were 90.75 and should have been 90.85. This was corrected with this change. The 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	0.59	3.15	2.16	18.72	0.87
Unplanned unavailable hours	0	0	0	0	17.05
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1267.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	38.29	2.72	2.03	0.99	1.21
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	1267.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.3%**	**0.3%**	**0.3%**	**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)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	11.87	7.10	8.28	15.46	6.36
Unplanned unavailable hours	0	0	17.94	0	11.37
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1267.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	42.86	4.86	5.84	6.24	7.65
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	1267.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.8%**	**0.7%**	**0.8%**	**0.8%**	**0.7%**

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/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	7.40	12.28	6.05	9.03	0.99
Unplanned unavailable hours	0	0	0	0	17.05
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	2183.00
Train 2					
Planned unavailable hours	38.59	14.07	3.53	1.06	1.29
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	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments:

2Q/99: The RHR unavailability hours reported in 4Q97 (Train 1) and 2Q99 (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/99: The RHR unavailability hours reported in 4Q97 (Train 1) and 2Q99 (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.

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	0.000200	0.000850	0.000700	0.000760	0.000830	0.001200	0.001200	0.001200	0.001400	0.001500	0.002300	0.001900
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**

Licensee Comments: none

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	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/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

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 1

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	0	0
Critical hours	2208.0	2209.0	2184.0	2183.0	2208.0
Indicator value	**1.9**	**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/99	4Q/99	1Q/00	2Q/00	3Q/00
Scrams	0	0	0	0	0
Indicator value	**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	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	2183.0	2208.0
Indicator value	**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	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	13.45	10.38	18.52	10.30	11.04
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00
Train 2					
Planned unavailable hours	11.05	10.17	15.85	10.49	14.10
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	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**1.3%**	**1.3%**	**1.3%**	**1.3%**	**1.2%**

Licensee Comments:

1Q/00: Planned unavailable hours for 3Q96, 2Q97, 2Q98, 3Q99, and 1Q2000 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. During a review of data for removal of the overhaul hours, a 0.1 hour data error was identified for 3Q96 Train 2 planned unavailable hours. Planned hours reported were 90.75 and should have been 90.85. This was corrected with this change. The changes did not result in a threshold color change.

1Q/00: Planned unavailable hours for 3Q96, 2Q97, 2Q98, 3Q99, and 1Q2000 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. During a review of data for removal of the overhaul hours, a 0.1 hour data error was identified for 3Q96 Train 2 planned unavailable hours. Planned hours reported were 90.75 and should have been 90.85. This was corrected with this change. The 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	3.15	2.16	18.72	0.87	12.53
Unplanned unavailable hours	0	0	0	17.05	20.93
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	2.72	2.03	0.99	1.21	19.23
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	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.3%**	**0.3%**	**0.4%**	**0.4%**	**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	7.10	8.28	15.46	6.36	8.56
Unplanned unavailable hours	0	17.94	0	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	2183.00	2208.00
Train 2					
Planned unavailable hours	4.86	5.84	6.24	7.65	5.79
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	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.7%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**

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	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	12.28	6.05	9.03	0.99	25.74
Unplanned unavailable hours	0	0	0	17.05	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	2183.00	2208.00
Train 2					
Planned unavailable hours	14.07	3.53	1.06	1.29	29.67
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	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.6%**

Licensee Comments:

2Q/99: The RHR unavailability hours reported in 4Q97 (Train 1) and 2Q99 (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/99: The RHR unavailability hours reported in 4Q97 (Train 1) and 2Q99 (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.

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	0.000760	0.000830	0.001200	0.001200	0.001200	0.001400	0.001500	0.002300	0.001900	0.001900	0.001900	0.002700
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**

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	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/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 successess are being removed due to the fact that the September excercise 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 1

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	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1930.8
Indicator value	**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/99	1Q/00	2Q/00	3Q/00	4Q/00
Scrams	0	0	0	0	0
Indicator value	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1930.8
Indicator value	**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
Train 1					
Planned unavailable hours	10.38	18.52	10.30	11.04	33.57
Unplanned unavailable hours	0	0	11.37	0	23.37
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	10.17	15.85	10.49	14.10	30.52
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	2209.00
Indicator value	**1.3%**	**1.3%**	**1.3%**	**1.2%**	**1.2%**

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.

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 did not result in a color change. The indicator remained 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 did not result in a color change. The indicator remained GREEN.

1Q/00: Planned unavailable hours for 3Q96, 2Q97, 2Q98, 3Q99, and 1Q2000 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. During a review of data for removal of the overhaul hours, a 0.1 hour data error was identified for 3Q96 Train 2 planned unavailable hours. Planned hours reported were 90.75 and should have been 90.85. This was corrected with this change. The changes did not result in a threshold color change.

1Q/00: Planned unavailable hours for 3Q96, 2Q97, 2Q98, 3Q99, and 1Q2000 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. During a review of data for removal of the overhaul hours, a 0.1 hour data error was identified for 3Q96 Train 2 planned unavailable hours. Planned hours reported were 90.75 and should have been 90.85. This was corrected with this change. The 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	2.16	18.72	0.87	12.53	1.32
Unplanned unavailable hours	0	0	17.05	20.93	4.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1930.80
Train 2					
Planned unavailable hours	2.03	0.99	1.21	19.23	1.80
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	1930.80
Indicator value	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.4%**

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 0.42 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 0.42 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 0.42 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	8.28	15.46	6.36	8.56	31.77
Unplanned unavailable hours	17.94	0	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	2183.00	2208.00	1930.80
Train 2					
Planned unavailable hours	5.84	6.24	7.65	5.79	10.22
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	1930.80
Indicator value	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**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.

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 did not result in a color change. The indicator remained 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 did not result in a color change. The indicator remained GREEN.

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	6.05	9.03	0.99	25.74	13.26
Unplanned unavailable hours	0	0	17.05	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	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	3.53	1.06	1.29	29.67	2.66

Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**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 (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.

2Q/99: The RHR unavailability hours reported in 4Q97 (Train 1) and 2Q99 (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.

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	0.001200	0.001200	0.001400	0.001500	0.002300	0.001900	0.001900	0.001900	0.002700	0.002600	0.002800	0.004000
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**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.4**

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	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
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 successess are being removed due to the fact that the September excercise 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 1

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	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1930.8	1304.6
Indicator value	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	0	0	0	0	0
Indicator value	**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	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	2183.0	2208.0	1930.8	1304.6
Indicator value	**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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	10.38	18.52	10.30	11.04	33.57	107.14
Unplanned unavailable hours	0	0	11.37	0	23.37	3.62
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	10.17	15.85	10.49	14.10	30.52	11.04
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.3%**	**1.3%**	**1.3%**	**1.2%**	**1.2%**	**1.2%**

Licensee Comments:

1Q/01: 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 did not result in a color change. The indicator remained 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 did not result in a color change. The indicator remained GREEN.

1Q/00: Planned unavailable hours for 3Q96, 2Q97, 2Q98, 3Q99, and 1Q2000 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. During a review of data for removal of the overhaul hours, a 0.1 hour data error was identified for 3Q96 Train 2 planned unavailable hours. Planned hours reported were 90.75 and should have been 90.85. This was corrected with this change. The 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	1Q/01
Train 1						
Planned unavailable hours	2.16	18.72	0.87	12.53	1.32	91.63
Unplanned unavailable hours	0	0	17.05	20.93	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	2183.00	2208.00	1930.80	1304.60
Train 2						
Planned unavailable hours	2.03	0.99	1.21	19.23	1.80	17.41
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	1930.80	1304.60
Indicator value	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.4%**	**0.6%**

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 RHR system and placing SI on the threshold. Additional unavailability hours during 1Q2001 from additional unavailability hours for support system (service water pumps) resulted in SI 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 RHR system and placing SI on the threshold. Additional unavailability hours during 1Q2001 from additional unavailability hours for support system (service water pumps) resulted in SI 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 0.42 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 0.42 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 0.42 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	8.28	15.46	6.36	8.56	31.77	118.05
Unplanned unavailable hours	17.94	0	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	2183.00	2208.00	1930.80	1304.60
Train 2						
Planned unavailable hours	5.84	6.24	7.65	5.79	10.22	5.91
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	1930.80	1304.60
Indicator value	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.6%**	**0.9%**

Licensee Comments:

1Q/01: 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 did not result in a color change. The indicator remained 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 did not result in a color change. The indicator remained GREEN.

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	6.05	9.03	0.99	25.74	13.26	92.25
Unplanned unavailable hours	0	0	17.05	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	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	3.53	1.06	1.29	29.67	2.66	14.43
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.5%**	**0.7%**

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 RHR system and placing SI on the threshold. Additional unavailability hours during 1Q2001 from additional unavailability hours for support system (service water pumps) resulted in SI 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 RHR system and placing SI on the threshold. Additional unavailability hours during 1Q2001 from additional unavailability hours for support system (service water pumps) resulted in SI 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/99: The RHR unavailability hours reported in 4Q97 (Train 1) and 2Q99 (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.

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	0.000760	0.000830	0.001200	0.001200	0.001200	0.001400	0.001500	0.002300	0.001900	0.001900	0.001900	0.002700
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.002600	0.002800	0.004000	0.003900	0.000180	0.000430
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.3**	**0.3**	**0.4**	**0.4**	**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	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	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0	0	0	0	0	0.250
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**2.5**

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 1

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	0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1930.8	1304.6	2183.0
Indicator value	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Scrams	0	0	0	0	0	0	0
Indicator value	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	0	0	0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1930.8	1304.6	2183.0
Indicator value	**0**	**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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	10.38	18.52	10.30	11.04	33.57	107.14	11.33
Unplanned unavailable hours	0	0	11.37	0	23.37	3.62	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	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	10.17	15.85	10.49	14.10	30.52	11.04	28.42
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.3%**	**1.3%**	**1.3%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**

Licensee Comments:

1Q/01: 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 did not result in a color change. The indicator remained 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 did not result in a color change. The indicator remained GREEN.

1Q/00: Planned unavailable hours for 3Q96, 2Q97, 2Q98, 3Q99, and 1Q2000 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. During a review of data for removal of the overhaul hours, a 0.1 hour data error was identified for 3Q96 Train 2 planned unavailable hours. Planned hours reported were 90.75 and should have been 90.85. This was corrected with this change. The 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	1Q/01	2Q/01
Train 1							
Planned unavailable hours	2.16	18.72	0.87	12.53	1.32	91.63	9.89
Unplanned unavailable hours	0	0	17.05	20.93	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	2183.00	2208.00	1930.80	1304.60	2183.00
Train 2							
Planned unavailable hours	2.03	0.99	1.21	19.23	1.80	17.41	9.13
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	1930.80	1304.60	2183.00
Indicator value	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.4%**	**0.6%**	**0.7%**

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 RHR system and placing SI on the threshold. Additional unavailability hours during 1Q2001 from additional unavailability hours for support system (service water pumps) resulted in SI 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 0.42 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 0.42 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	8.28	15.46	6.36	8.56	31.77	118.05	6.80
Unplanned unavailable hours	17.94	0	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	2183.00	2208.00	1930.80	1304.60	2183.00
Train 2							
Planned unavailable hours	5.84	6.24	7.65	5.79	10.22	5.91	9.31
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	1930.80	1304.60	2183.00
Indicator value	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.6%**	**0.9%**	**0.9%**

Licensee Comments:

1Q/01: 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 did not result in a color change. The indicator remained 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 did not result in a color change. The indicator remained GREEN.

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	6.05	9.03	0.99	25.74	13.26	92.25	10.02
Unplanned unavailable hours	0	0	17.05	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	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	3.53	1.06	1.29	29.67	2.66	14.43	9.21
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.5%**	**0.7%**	**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 RHR system and placing SI on the threshold. Additional unavailability hours during 1Q2001 from additional unavailability hours for support system (service water pumps) resulted in SI 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/99: The RHR unavailability hours reported in 4Q97 (Train 1) and 2Q99 (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.

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

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	0.000760	0.000830	0.001200	0.001200	0.001200	0.001400	0.001500	0.002300	0.001900	0.001900	0.001900	0.002700
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.002600	0.002800	0.004000	0.003900	0.000180	0.000430	0.000440	0.000400	0.000410
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0.3**	**0.3**	**0.4**	**0.4**	**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	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	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0	0	0	0	0	0.250	0.510	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**	**2.5**	**5.1**	**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	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

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	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

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 1

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	0	0	0	0	0	2.0
Critical hours	2209.0	2184.0	2183.0	2208.0	1930.8	1304.6	2183.0	1240.9
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**2.1**

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	0	1.0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**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	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	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1930.8	1304.6	2183.0	1240.9
Indicator value	**0**	**0**	**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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	10.38	18.52	10.30	11.04	33.57	107.14	11.33	25.61
Unplanned unavailable hours	0	0	11.37	0	23.37	3.62	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	10.17	15.85	10.49	14.10	30.52	11.04	28.42	22.54
Unplanned unavailable hours	0	0	0	0	7.50	0	0	11.50
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%**	**1.3%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.2%**

Licensee Comments:

1Q/01: 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 did not result in a color change. The indicator remained GREEN.

1Q/00: Planned unavailable hours for 3Q96, 2Q97, 2Q98, 3Q99, and 1Q2000 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. During a review of data for removal of the overhaul hours, a 0.1 hour data error was identified for 3Q96 Train 2 planned unavailable hours. Planned hours reported were 90.75 and should have been 90.85. This was corrected with this change. The 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	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	2.16	18.72	0.87	12.53	1.32	91.63	9.89	3.57
Unplanned unavailable hours	0	0	17.05	20.93	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	2183.00	2208.00	1930.80	1304.60	2183.00	1240.90
Train 2								
Planned unavailable hours	2.03	0.99	1.21	19.23	1.80	17.41	9.13	33.97
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	1930.80	1304.60	2183.00	1240.90
Indicator value	**0.3%**	**0.4%**	**0.4%**	**0.5%**	**0.4%**	**0.6%**	**0.7%**	**0.7%**

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 RHR system and placing SI on the threshold. Additional unavailability hours during 1Q2001 from additional unavailability hours for support system (service water pumps) resulted in SI 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 0.42 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	8.28	15.46	6.36	8.56	31.77	118.05	6.80	36.33
Unplanned unavailable hours	17.94	0	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	2183.00	2208.00	1930.80	1304.60	2183.00	1240.90
Train 2								
Planned unavailable hours	5.84	6.24	7.65	5.79	10.22	5.91	9.31	18.16

Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	1930.80	1304.60	2183.00	1240.90
Indicator value	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.6%**	**0.9%**	**0.9%**	**1.0%**

Licensee Comments:

1Q/01: 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 did not result in a color change. The indicator remained GREEN.

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	6.05	9.03	0.99	25.74	13.26	92.25	10.02	3.74
Unplanned unavailable hours	0	0	17.05	0	4.50	0	0	12.42

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	3.53	1.06	1.29	29.67	2.66	14.43	9.21	60.54
Unplanned unavailable hours	0	0	0	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.5%**	**0.7%**	**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 RHR system and placing SI on the threshold. Additional unavailability hours during 1Q2001 from additional unavailability hours for support system (service water pumps) resulted in SI 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/99: The RHR unavailability hours reported in 4Q97 (Train 1) and 2Q99 (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.

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	0.000760	0.000830	0.001200	0.001200	0.001200	0.001400	0.001500	0.002300	0.001900	0.001900	0.001900	0.002700
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**

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	0.002600	0.002800	0.004000	0.003900	0.000180	0.000430	0.000440	0.000400	0.000410	0.000430	0.000370	0.000460
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	**0.3**	**0.3**	**0.4**	**0.4**	**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	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	10/00	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	0.250	0.510	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**	**2.5**	**5.1**	**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.

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	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

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 1

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	0	0	0	0	0	2.0	0
Critical hours	2184.0	2183.0	2208.0	1930.8	1304.6	2183.0	1240.9	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**2.1**	**2.0**

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/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Scrams	0	0	0	0	0	0	1.0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**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	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2183.0	2208.0	1930.8	1304.6	2183.0	1240.9	2209.0
Indicator value	**0**	**0**	**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	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	18.52	10.30	11.04	33.57	107.14	11.33	25.61	26.30
Unplanned unavailable hours	0	11.37	0	23.37	3.62	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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	15.85	10.49	14.10	30.52	11.04	28.42	22.54	68.38
Unplanned unavailable hours	0	0	0	7.50	0	0	11.50	19.45
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%**	**1.3%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.2%**	**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/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	18.72	0.87	12.53	1.32	91.63	9.89	3.57	37.41
Unplanned unavailable hours	0	17.05	20.93	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	2183.00	2208.00	1930.80	1304.60	2183.00	1240.90	2209.00
Train 2								
Planned unavailable hours	0.99	1.21	19.23	1.80	17.41	9.13	33.97	61.15
Unplanned unavailable hours	0	0	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	2183.00	2208.00	1930.80	1304.60	2183.00	1240.90	2209.00
Indicator value	**0.4%**	**0.4%**	**0.5%**	**0.4%**	**0.6%**	**0.7%**	**0.7%**	**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	15.46	6.36	8.56	31.77	118.05	6.80	36.33	7.51
Unplanned unavailable hours	0	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	2183.00	2208.00	1930.80	1304.60	2183.00	1240.90	2209.00
Train 2								
Planned unavailable hours	6.24	7.65	5.79	10.22	5.91	9.31	18.16	55.28
Unplanned unavailable hours	0	0	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	2183.00	2208.00	1930.80	1304.60	2183.00	1240.90	2209.00
Indicator value	**0.8%**	**0.7%**	**0.7%**	**0.6%**	**0.9%**	**0.9%**	**1.0%**	**1.1%**

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	9.03	0.99	25.74	13.26	92.25	10.02	3.74	37.18
Unplanned unavailable hours	0	17.05	0	4.50	0	0	12.42	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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.06	1.29	29.67	2.66	14.43	9.21	60.54	91.10
Unplanned unavailable hours	0	0	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.5%**	**0.6%**	**0.5%**	**0.7%**	**0.8%**	**0.8%**	**1.0%**

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	0.001200	0.001200	0.001400	0.001500	0.002300	0.001900	0.001900	0.001900	0.002700	0.002600	0.002800	0.004000
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**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.4**

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	0.003900	0.000180	0.000430	0.000440	0.000400	0.000410	0.000430	0.000370	0.000460	0.000460	0.000500	0.000520
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	**0.4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**

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	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	1/01	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	0.250	0.510	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**	**2.5**	**5.1**	**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

Last Modified: March 15, 2002

Prairie Island 1

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	0	0	0	0	0	2.0	0	0
Critical hours	2183.0	2208.0	1930.8	1304.6	2183.0	1240.9	2209.0	2160.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**2.1**	**2.0**	**1.8**

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	0	1.0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**1.0**	**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	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	1930.8	1304.6	2183.0	1240.9	2209.0	2160.0
Indicator value	**0**	**0**	**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	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	10.30	11.04	33.57	107.14	11.33	25.61	26.30	34.87
Unplanned unavailable hours	11.37	0	23.37	3.62	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	10.49	14.10	30.52	11.04	28.42	22.54	68.38	13.69
Unplanned unavailable hours	0	0	7.50	0	0	11.50	19.45	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.3%**	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.2%**	**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/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	0.87	12.53	1.32	91.63	9.89	3.57	37.41	0.77
Unplanned unavailable hours	17.05	20.93	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	2183.00	2208.00	1930.80	1304.60	2183.00	1240.90	2209.00	2160.00
Train 2								
Planned unavailable hours	1.21	19.23	1.80	17.41	9.13	33.97	61.15	0.30
Unplanned unavailable hours	0	0	7.50	0	0	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	2183.00	2208.00	1930.80	1304.60	2183.00	1240.90	2209.00	2160.00
Indicator value	**0.4%**	**0.5%**	**0.4%**	**0.6%**	**0.7%**	**0.7%**	**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	6.36	8.56	31.77	118.05	6.80	36.33	7.51	8.06
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	2183.00	2208.00	1930.80	1304.60	2183.00	1240.90	2209.00	2160.00
Train 2								
Planned unavailable hours	7.65	5.79	10.22	5.91	9.31	18.16	55.28	10.76
Unplanned unavailable hours	0	0	7.50	0	0	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	2183.00	2208.00	1930.80	1304.60	2183.00	1240.90	2209.00	2160.00
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.9%**	**0.9%**	**1.0%**	**1.1%**	**1.1%**

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	0.99	25.74	13.26	92.25	10.02	3.74	37.18	0.45
Unplanned unavailable hours	17.05	0	4.50	0	0	12.42	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	1.29	29.67	2.66	14.43	9.21	60.54	91.10	0
Unplanned unavailable hours	0	0	7.50	0	0	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.5%**	**0.6%**	**0.5%**	**0.7%**	**0.8%**	**0.8%**	**1.0%**	**1.0%**

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	0.001500	0.002300	0.001900	0.001900	0.001900	0.002700	0.002600	0.002800	0.004000	0.003900	0.000180	0.000430
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	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**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	0.000440	0.000400	0.000410	0.000430	0.000370	0.000460	0.000460	0.000500	0.000520	0.000510	0.000510	0.000610
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0	0	0	0	0	0	0	0	0	0	0.250
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**	**2.5**

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	0.510	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	**5.1**	**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

Protected Area Security Performance Index

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 1

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	0	2.0	0	0	0
Critical hours	2208.0	1930.8	1304.6	2183.0	1240.9	2209.0	2160.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**2.1**	**2.0**	**1.8**	**1.8**

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/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Scrams	0	0	0	0	1.0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**1.0**	**2.0**	**2.0**	**1.0**	**1.0**

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	0	0	0	0	0
Critical hours	2208.0	1930.8	1304.6	2183.0	1240.9	2209.0	2160.0	2183.0
Indicator value	**0**	**0**	**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	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	11.04	33.57	107.14	11.33	25.61	26.30	34.87	25.69
Unplanned unavailable hours	0	23.37	3.62	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	14.10	30.52	11.04	28.42	22.54	68.38	13.69	40.64
Unplanned unavailable hours	0	7.50	0	0	11.50	19.45	10.80	4.82
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	**1.2%**	**1.2%**	**1.2%**	**1.3%**	**1.2%**	**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)	**3Q/00**	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**
Train 1								
Planned unavailable hours	12.53	1.32	91.63	9.89	3.57	37.41	0.77	9.20
Unplanned unavailable hours	20.93	4.50	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	1930.80	1304.60	2183.00	1240.90	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	19.23	1.80	17.41	9.13	33.97	61.15	0.30	5.43
Unplanned unavailable hours	0	7.50	0	0	0	0	10.80	4.82
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	1930.80	1304.60	2183.00	1240.90	2209.00	2160.00	2183.00
Indicator value	**0.5%**	**0.4%**	**0.6%**	**0.7%**	**0.7%**	**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	8.56	31.77	118.05	6.80	36.33	7.51	8.06	9.17
Unplanned unavailable hours	0	4.50	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	1930.80	1304.60	2183.00	1240.90	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	5.79	10.22	5.91	9.31	18.16	55.28	10.76	7.69
Unplanned unavailable hours	0	7.50	0	0	0	0	10.80	4.82
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	1930.80	1304.60	2183.00	1240.90	2209.00	2160.00	2183.00
Indicator value	**0.7%**	**0.6%**	**0.9%**	**0.9%**	**1.0%**	**1.1%**	**1.1%**	**1.0%**

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	25.74	13.26	92.25	10.02	3.74	37.18	0.45	9.20
Unplanned unavailable hours	0	4.50	0	0	12.42	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	29.67	2.66	14.43	9.21	60.54	91.10	0	5.43
Unplanned unavailable hours	0	7.50	0	0	0	0	10.80	4.82
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%**	**0.5%**	**0.7%**	**0.8%**	**0.8%**	**1.0%**	**1.0%**	**1.0%**

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	0.001900	0.001900	0.002700	0.002600	0.002800	0.004000	0.003900	0.000180	0.000430	0.000440	0.000400	0.000410
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	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**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	0.000430	0.000370	0.000460	0.000460	0.000500	0.000520	0.000510	0.000510	0.000610	0.000570	0.000640	0.000640
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

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	0.250	0.510	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**	**2.5**	**5.1**	**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

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

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

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

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

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 1

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	0	2.0	0	0	0	0
Critical hours	1930.8	1304.6	2183.0	1240.9	2209.0	2160.0	2183.0	2208.0
Indicator value	**0**	**0**	**0**	**2.1**	**2.0**	**1.8**	**1.8**	**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/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Scrams	0	0	0	1.0	0	0	0	0
Indicator value	**2.0**	**2.0**	**1.0**	**2.0**	**2.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

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	0	0	0	0	0	0
Critical hours	1930.8	1304.6	2183.0	1240.9	2209.0	2160.0	2183.0	2208.0
Indicator value	**0**	**0**	**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/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	33.57	107.14	11.33	25.61	26.30	34.87	25.69	14.37
Unplanned unavailable hours	23.37	3.62	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	30.52	11.04	28.42	22.54	68.38	13.69	40.64	98.49
Unplanned unavailable hours	7.50	0	0	11.50	19.45	10.80	4.82	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%**	**1.3%**	**1.2%**	**1.3%**	**1.3%**	**1.3%**	**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/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**
Train 1								
Planned unavailable hours	1.32	91.63	9.89	3.57	37.41	0.77	9.20	2.65
Unplanned unavailable hours	4.50	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	1930.80	1304.60	2183.00	1240.90	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	1.80	17.41	9.13	33.97	61.15	0.30	5.43	33.82
Unplanned unavailable hours	7.50	0	0	0	0	10.80	4.82	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	1930.80	1304.60	2183.00	1240.90	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.4%**	**0.6%**	**0.7%**	**0.7%**	**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	31.77	118.05	6.80	36.33	7.51	8.06	9.17	3.27
Unplanned unavailable hours	4.50	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	1930.80	1304.60	2183.00	1240.90	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	10.22	5.91	9.31	18.16	55.28	10.76	7.69	22.48
Unplanned unavailable hours	7.50	0	0	0	0	10.80	4.82	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	1930.80	1304.60	2183.00	1240.90	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.6%**	**0.9%**	**0.9%**	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**1.0%**

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	13.26	92.25	10.02	3.74	37.18	0.45	9.20	11.40
Unplanned unavailable hours	4.50	0	0	12.42	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	2.66	14.43	9.21	60.54	91.10	0	5.43	33.82
Unplanned unavailable hours	7.50	0	0	0	0	10.80	4.82	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	**0.5%**	**0.7%**	**0.8%**	**0.8%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**

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	0.002600	0.002800	0.004000	0.003900	0.000180	0.000430	0.000440	0.000400	0.000410	0.000430	0.000370	0.000460
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	**0.3**	**0.3**	**0.4**	**0.4**	**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	0.000460	0.000500	0.000520	0.000510	0.000510	0.000610	0.000570	0.000640	0.000640	0.000570	0.000600	0.000630
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.250	0.510	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**	**2.5**	**5.1**	**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

Occupational Exposure Control Effectiveness

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 1

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	0	2.0	0	0	0	0	1.0
Critical hours	1304.6	2183.0	1240.9	2209.0	2160.0	2183.0	2208.0	1736.3
Indicator value	**0**	**0**	**2.1**	**2.0**	**1.8**	**1.8**	**0**	**0.8**

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	0	1.0	0	0	0	0	0
Indicator value	**2.0**	**1.0**	**2.0**	**2.0**	**1.0**	**1.0**	**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	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1304.6	2183.0	1240.9	2209.0	2160.0	2183.0	2208.0	1736.3
Indicator value	**0**	**0**	**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	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	107.14	11.33	25.61	26.30	34.87	25.69	14.37	10.54
Unplanned unavailable hours	3.62	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	11.04	28.42	22.54	68.38	13.69	40.64	98.49	12.83
Unplanned unavailable hours	0	0	11.50	19.45	10.80	4.82	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	**1.2%**	**1.3%**	**1.2%**	**1.3%**	**1.3%**	**1.3%**	**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)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	91.63	9.89	3.57	37.41	0.77	9.20	2.65	17.41
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	1304.60	2183.00	1240.90	2209.00	2160.00	2183.00	2208.00	1736.30
Train 2								
Planned unavailable hours	17.41	9.13	33.97	61.15	0.30	5.43	33.82	14.69
Unplanned unavailable hours	0	0	0	0	10.80	4.82	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	1304.60	2183.00	1240.90	2209.00	2160.00	2183.00	2208.00	1736.30
Indicator value	**0.6%**	**0.7%**	**0.7%**	**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	118.05	6.80	36.33	7.51	8.06	9.17	3.27	5.45
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	1304.60	2183.00	1240.90	2209.00	2160.00	2183.00	2208.00	1736.30
Train 2								
Planned unavailable hours	5.91	9.31	18.16	55.28	10.76	7.69	22.48	6.95
Unplanned unavailable hours	0	0	0	0	10.80	4.82	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	1304.60	2183.00	1240.90	2209.00	2160.00	2183.00	2208.00	1736.30
Indicator value	**0.9%**	**0.9%**	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**1.0%**	**1.0%**

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	92.25	10.02	3.74	37.18	0.45	9.20	11.40	10.87
Unplanned unavailable hours	0	0	12.42	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	14.43	9.21	60.54	91.10	0	5.43	33.82	13.22
Unplanned unavailable hours	0	0	0	0	10.80	4.82	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	**0.7%**	**0.8%**	**0.8%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.1%**

Licensee Comments: none

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	0.003900	0.000180	0.000430	0.000440	0.000400	0.000410	0.000430	0.000370	0.000460	0.000460	0.000500	0.000520
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	**0.4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**

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	0.000510	0.000510	0.000610	0.000570	0.000640	0.000640	0.000570	0.000600	0.000630	0.000590	0.000610	0.000170
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	0.250	0.510	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**	**2.5**	**5.1**	**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

Alert & Notification System

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

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 1

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	0	2.0	0	0	0	0	1.0	0
Critical hours	2183.0	1240.9	2209.0	2160.0	2183.0	2208.0	1736.3	2160.0
Indicator value	**0**	**2.1**	**2.0**	**1.8**	**1.8**	**0**	**0.8**	**0.8**

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	0	1.0	0	0	0	0	0	0
Indicator value	**1.0**	**2.0**	**2.0**	**1.0**	**1.0**	**1.0**	**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	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	1240.9	2209.0	2160.0	2183.0	2208.0	1736.3	2160.0
Indicator value	**0**	**0**	**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	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	11.33	25.61	26.30	34.87	25.69	14.37	10.54	13.76
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	2160.00
Train 2								
Planned unavailable hours	28.42	22.54	68.38	13.69	40.64	98.49	12.83	12.47
Unplanned unavailable hours	0	11.50	19.45	10.80	4.82	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	**1.3%**	**1.2%**	**1.3%**	**1.3%**	**1.3%**	**1.5%**	**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)	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	9.89	3.57	37.41	0.77	9.20	2.65	17.41	0.80
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	1240.90	2209.00	2160.00	2183.00	2208.00	1736.30	2160.00
Train 2								
Planned unavailable hours	9.13	33.97	61.15	0.30	5.43	33.82	14.69	12.83
Unplanned unavailable hours	0	0	0	10.80	4.82	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	1240.90	2209.00	2160.00	2183.00	2208.00	1736.30	2160.00
Indicator value	**0.7%**	**0.7%**	**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	6.80	36.33	7.51	8.06	9.17	3.27	5.45	3.59
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	1240.90	2209.00	2160.00	2183.00	2208.00	1736.30	2160.00
Train 2								
Planned unavailable hours	9.31	18.16	55.28	10.76	7.69	22.48	6.95	0.82
Unplanned unavailable hours	0	0	0	10.80	4.82	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	1240.90	2209.00	2160.00	2183.00	2208.00	1736.30	2160.00
Indicator value	**0.9%**	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**

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	10.02	3.74	37.18	0.45	9.20	11.40	10.87	0.53
Unplanned unavailable hours	0	12.42	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	2160.00
Train 2								
Planned unavailable hours	9.21	60.54	91.10	0	5.43	33.82	13.22	12.83
Unplanned unavailable hours	0	0	0	10.80	4.82	0	17.10	8.25
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	**0.8%**	**0.8%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.1%**	**1.1%**

Licensee Comments:

1Q/03: An engineering evaluation is pending regarding the fault exposure hours of Train 2 RHR Heat Exchanger Flow Control Valve.

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	0.000440	0.000400	0.000410	0.000430	0.000370	0.000460	0.000460	0.000500	0.000520	0.000510	0.000510	0.000610
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.000570	0.000640	0.000640	0.000570	0.000600	0.000630	0.000590	0.000610	0.000170	0.000300	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	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0.510	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	**5.1**	**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 1

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	2.0	0	0	0	0	1.0	0	0
Critical hours	1240.9	2209.0	2160.0	2183.0	2208.0	1736.3	2160.0	2183.0
Indicator value	**2.1**	**2.0**	**1.8**	**1.8**	**0**	**0.8**	**0.8**	**0.8**

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	1.0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

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	1.0
Critical hours	1240.9	2209.0	2160.0	2183.0	2208.0	1736.3	2160.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	25.61	26.30	34.87	25.69	14.37	10.54	13.76	10.30
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	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	22.54	68.38	13.69	40.64	98.49	12.83	12.47	21.34
Unplanned unavailable hours	11.50	19.45	10.80	4.82	0	17.10	0	2.87
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	**1.2%**	**1.3%**	**1.3%**	**1.3%**	**1.5%**	**1.5%**	**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)	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**
Train 1								
Planned unavailable hours	3.57	37.41	0.77	9.20	2.65	17.41	0.80	7.33
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	1240.90	2209.00	2160.00	2183.00	2208.00	1736.30	2160.00	2183.00
Train 2								
Planned unavailable hours	33.97	61.15	0.30	5.43	33.82	14.69	12.83	8.57
Unplanned unavailable hours	0	0	10.80	4.82	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	1240.90	2209.00	2160.00	2183.00	2208.00	1736.30	2160.00	2183.00
Indicator value	**0.7%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**1.0%**	**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)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	36.33	7.51	8.06	9.17	3.27	5.45	3.59	6.55
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	1240.90	2209.00	2160.00	2183.00	2208.00	1736.30	2160.00	2183.00
Train 2								
Planned unavailable hours	18.16	55.28	10.76	7.69	22.48	6.95	0.82	4.98
Unplanned unavailable hours	0	0	10.80	4.82	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	1240.90	2209.00	2160.00	2183.00	2208.00	1736.30	2160.00	2183.00
Indicator value	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**

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	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	3.74	37.18	0.45	9.20	11.40	10.87	0.53	8.98
Unplanned unavailable hours	12.42	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	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	60.54	91.10	0	5.43	33.82	13.22	12.83	23.02
Unplanned unavailable hours	0	0	10.80	4.82	0	17.10	8.25	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	**0.8%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**

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	0.000430	0.000370	0.000460	0.000460	0.000500	0.000520	0.000510	0.000510	0.000610	0.000570	0.000640	0.000640
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.000570	0.000600	0.000630	0.000590	0.000610	0.000170	0.000300	0.000210	0.000220	0.000230	0.000310	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	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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 1

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	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	1736.3	2160.0	2183.0	2208.0
Indicator value	**2.0**	**1.8**	**1.8**	**0**	**0.8**	**0.8**	**0.8**	**0.8**

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	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

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	1.0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	1736.3	2160.0	2183.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**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	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	26.30	34.87	25.69	14.37	10.54	13.76	10.30	40.82
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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	68.38	13.69	40.64	98.49	12.83	12.47	21.34	9.48
Unplanned unavailable hours	19.45	10.80	4.82	0	17.10	0	2.87	71.33
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	**1.3%**	**1.3%**	**1.3%**	**1.5%**	**1.5%**	**1.5%**	**1.5%**	**1.7%**

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	37.41	0.77	9.20	2.65	17.41	0.80	7.33	9.23
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	2208.00	1736.30	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	61.15	0.30	5.43	33.82	14.69	12.83	8.57	0
Unplanned unavailable hours	0	10.80	4.82	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	1736.30	2160.00	2183.00	2208.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**1.0%**	**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)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	7.51	8.06	9.17	3.27	5.45	3.59	6.55	4.67
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	2208.00	1736.30	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	55.28	10.76	7.69	22.48	6.95	0.82	4.98	4.10
Unplanned unavailable hours	0	10.80	4.82	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	1736.30	2160.00	2183.00	2208.00
Indicator value	**1.1%**	**1.1%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**

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	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	37.18	0.45	9.20	11.40	10.87	0.53	8.98	14.85
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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	91.10	0	5.43	33.82	13.22	12.83	23.02	1.03
Unplanned unavailable hours	0	10.80	4.82	0	17.10	8.25	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	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**

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	0.000460	0.000500	0.000520	0.000510	0.000510	0.000610	0.000570	0.000640	0.000640	0.000570	0.000600	0.000630
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.000590	0.000610	0.000170	0.000300	0.000210	0.000220	0.000230	0.000310	0.000260	0.000340	0.000260	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	**0.1**	**0.1**	**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

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

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 1

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	1.0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1736.3	2160.0	2183.0	2208.0	2209.0
Indicator value	**1.8**	**1.8**	**0**	**0.8**	**0.8**	**0.8**	**0.8**	**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	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**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	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2160.0	2183.0	2208.0	1736.3	2160.0	2183.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.8**	**0.8**

Licensee Comments: none

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	34.87	25.69	14.37	10.54	13.76	10.30	40.82	12.99
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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	13.69	40.64	98.49	12.83	12.47	21.34	9.48	28.05
Unplanned unavailable hours	10.80	4.82	0	17.10	0	2.87	71.33	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	**1.3%**	**1.3%**	**1.5%**	**1.5%**	**1.5%**	**1.5%**	**1.7%**	**1.6%**

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	0.77	9.20	2.65	17.41	0.80	7.33	9.23	0
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	2208.00	1736.30	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0.30	5.43	33.82	14.69	12.83	8.57	0	16.32
Unplanned unavailable hours	10.80	4.82	0	17.10	0	0	0	8.18
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1736.30	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**1.0%**	**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)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	8.06	9.17	3.27	5.45	3.59	6.55	4.67	4.11
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	2208.00	1736.30	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	10.76	7.69	22.48	6.95	0.82	4.98	4.10	27.42
Unplanned unavailable hours	10.80	4.82	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	1736.30	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.1%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**0.9%**

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/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	0.45	9.20	11.40	10.87	0.53	8.98	14.85	3.61
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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	5.43	33.82	13.22	12.83	23.02	1.03	22.75
Unplanned unavailable hours	10.80	4.82	0	17.10	8.25	0	0	8.18
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.0%**	**1.0%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**1.1%**

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	0.000510	0.000510	0.000610	0.000570	0.000640	0.000640	0.000570	0.000600	0.000630	0.000590	0.000610	0.000170
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	0.000300	0.000210	0.000220	0.000230	0.000310	0.000260	0.000340	0.000260	0.000280	0.000260	0.000490	0.000290
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

Alert & Notification System

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

Personnel Screening Program

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

FFD/Personnel Reliability

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 1

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	1.0	0	0	0	0	0
Critical hours	2183.0	2208.0	1736.3	2160.0	2183.0	2208.0	2209.0	2184.0
Indicator value	**1.8**	**0**	**0.8**	**0.8**	**0.8**	**0.8**	**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	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**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	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2183.0	2208.0	1736.3	2160.0	2183.0	2208.0	2209.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**0.8**	**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	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	25.69	14.37	10.54	13.76	10.30	40.82	12.99	42.12
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	40.64	98.49	12.83	12.47	21.34	9.48	28.05	6.60
Unplanned unavailable hours	4.82	0	17.10	0	2.87	71.33	0	21.92
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	**1.3%**	**1.5%**	**1.5%**	**1.5%**	**1.5%**	**1.7%**	**1.6%**	**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)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	9.20	2.65	17.41	0.80	7.33	9.23	0	41.39
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	1736.30	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	5.43	33.82	14.69	12.83	8.57	0	16.32	0
Unplanned unavailable hours	4.82	0	17.10	0	0	0	8.18	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	2183.00	2208.00	1736.30	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.9%**	**0.9%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**0.8%**

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	9.17	3.27	5.45	3.59	6.55	4.67	4.11	13.75
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	2208.00	1736.30	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	7.69	22.48	6.95	0.82	4.98	4.10	27.42	5.18
Unplanned unavailable hours	4.82	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	1736.30	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**0.9%**	**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/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	9.20	11.40	10.87	0.53	8.98	14.85	3.61	42.39
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	5.43	33.82	13.22	12.83	23.02	1.03	22.75	5.85
Unplanned unavailable hours	4.82	0	17.10	8.25	0	0	8.18	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**1.0%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**1.1%**	**0.9%**

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	0.000570	0.000640	0.000640	0.000570	0.000600	0.000630	0.000590	0.000610	0.000170	0.000300	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	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	0.000230	0.000310	0.000260	0.000340	0.000260	0.000280	0.000260	0.000490	0.000290	0.000320	0.000310	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	**4/02**	**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

FFD/Personnel Reliability

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 1

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	1.0	0	0	0	0	0	0
Critical hours	2208.0	1736.3	2160.0	2183.0	2208.0	2209.0	2184.0	2183.0
Indicator value	**0**	**0.8**	**0.8**	**0.8**	**0.8**	**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	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**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	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	1736.3	2160.0	2183.0	2208.0	2209.0	2184.0	2183.0
Indicator value	**0**	**0**	**0**	**0.8**	**0.8**	**0.8**	**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	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	14.37	10.54	13.76	10.30	40.82	12.99	42.12	15.95
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	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	98.49	12.83	12.47	21.34	9.48	28.05	6.60	43.03
Unplanned unavailable hours	0	17.10	0	2.87	71.33	0	21.92	7.62
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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**1.5%**	**1.5%**	**1.5%**	**1.5%**	**1.7%**	**1.6%**	**1.5%**	**1.6%**

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	2.65	17.41	0.80	7.33	9.23	0	41.39	5.75
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	2208.00	1736.30	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	33.82	14.69	12.83	8.57	0	16.32	0	8.72
Unplanned unavailable hours	0	17.10	0	0	0	8.18	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	2208.00	1736.30	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.9%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**0.8%**	**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)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	3.27	5.45	3.59	6.55	4.67	4.11	13.75	26.69
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	1736.30	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	22.48	6.95	0.82	4.98	4.10	27.42	5.18	6.88
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	1736.30	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**0.9%**	**0.6%**	**0.7%**

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	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	11.40	10.87	0.53	8.98	14.85	3.61	42.39	7.55
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	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	33.82	13.22	12.83	23.02	1.03	22.75	5.85	10.07
Unplanned unavailable hours	0	17.10	8.25	0	0	8.18	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**1.1%**	**0.9%**	**0.9%**

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	0.000570	0.000600	0.000630	0.000590	0.000610	0.000170	0.000300	0.000210	0.000220	0.000230	0.000310	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	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	0.000340	0.000260	0.000280	0.000260	0.000490	0.000290	0.000320	0.000310	0.000330	0.000340	0.000340	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**	**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.

Last Modified: September 8, 2004

Prairie Island 1

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	1.0	0	0	0	0	0	0	0
Critical hours	1736.3	2160.0	2183.0	2208.0	2209.0	2184.0	2183.0	1724.7
Indicator value	**0.8**	**0.8**	**0.8**	**0.8**	**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	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**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	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	1736.3	2160.0	2183.0	2208.0	2209.0	2184.0	2183.0	1724.7
Indicator value	**0**	**0**	**0.8**	**0.8**	**0.8**	**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	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	10.54	13.76	10.30	40.82	12.99	42.12	15.95	16.27
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	2208.00	2209.00	2184.00	2183.00	1890.12
Train 2								
Planned unavailable hours	12.83	12.47	21.34	9.48	28.05	6.60	43.03	13.79
Unplanned unavailable hours	17.10	0	2.87	71.33	0	21.92	7.62	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	1890.12
Indicator value	**1.5%**	**1.5%**	**1.5%**	**1.7%**	**1.6%**	**1.5%**	**1.6%**	**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/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	17.41	0.80	7.33	9.23	0	41.39	5.75	15.90
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	1736.30	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	1742.50
Train 2								
Planned unavailable hours	14.69	12.83	8.57	0	16.32	0	8.72	25.55
Unplanned unavailable hours	17.10	0	0	0	8.18	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	1736.30	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	1731.53
Indicator value	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**0.8%**	**0.7%**	**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)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	5.45	3.59	6.55	4.67	4.11	13.75	26.69	4.47
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	1736.30	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	1731.53
Train 2								
Planned unavailable hours	6.95	0.82	4.98	4.10	27.42	5.18	6.88	8.92
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	1736.30	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	1742.50
Indicator value	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**0.9%**	**0.6%**	**0.7%**	**0.6%**

Licensee Comments:

3Q/04: An engineering evaluation to determine Train 1 availability is continuing.

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	10.87	0.53	8.98	14.85	3.61	42.39	7.55	17.05
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	2208.00	2209.00	2184.00	2183.00	1890.12
Train 2								
Planned unavailable hours	13.22	12.83	23.02	1.03	22.75	5.85	10.07	27.37
Unplanned unavailable hours	17.10	8.25	0	0	8.18	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	1890.12
Indicator value	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**1.1%**	**0.9%**	**0.9%**	**0.9%**

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	0.000590	0.000610	0.000170	0.000300	0.000210	0.000220	0.000230	0.000310	0.000260	0.000340	0.000260	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	**0.1**	**0.1**	**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	0.000260	0.000490	0.000290	0.000320	0.000310	0.000330	0.000340	0.000340	0.000350	0.000360	0.000370	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	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

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 1

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	2208.0	2209.0	2184.0	2183.0	1724.7	948.0
Indicator value	**0.8**	**0.8**	**0.8**	**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	**1.0**	**1.0**	**1.0**	**1.0**	**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	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2184.0	2183.0	1724.7	948.0
Indicator value	**0**	**0.8**	**0.8**	**0.8**	**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	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	13.76	10.30	40.82	12.99	42.12	15.95	16.27	8.59
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	2208.00	2209.00	2184.00	2183.00	1890.12	1561.18
Train 2								
Planned unavailable hours	12.47	21.34	9.48	28.05	6.60	43.03	13.79	3.25
Unplanned unavailable hours	0	2.87	71.33	0	21.92	7.62	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	1890.12	1561.18
Indicator value	**1.5%**	**1.5%**	**1.7%**	**1.6%**	**1.5%**	**1.6%**	**1.5%**	**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)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	0.80	7.33	9.23	0	41.39	5.75	15.90	0.27
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	2208.00	2209.00	2184.00	2183.00	1742.50	1053.80
Train 2								
Planned unavailable hours	12.83	8.57	0	16.32	0	8.72	25.55	0
Unplanned unavailable hours	0	0	0	8.18	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	2184.00	2183.00	1731.53	1053.80
Indicator value	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**0.8%**	**0.7%**	**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)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	3.59	6.55	4.67	4.11	13.75	26.69	4.47	3.38
Unplanned unavailable hours	0	0	0	0	0	0	0	44.55
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	1731.53	1013.60
Train 2								
Planned unavailable hours	0.82	4.98	4.10	27.42	5.18	6.88	8.92	2.53
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	2208.00	2209.00	2184.00	2183.00	1742.50	1053.80
Indicator value	**1.0%**	**0.9%**	**0.9%**	**0.9%**	**0.6%**	**0.7%**	**0.6%**	**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	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	0.53	8.98	14.85	3.61	42.39	7.55	17.05	8.04
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	2208.00	2209.00	2184.00	2183.00	1890.12	1561.18
Train 2								
Planned unavailable hours	12.83	23.02	1.03	22.75	5.85	10.07	27.37	4.27
Unplanned unavailable hours	8.25	0	0	8.18	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	2184.00	2183.00	1890.12	1509.52
Indicator value	**1.1%**	**1.1%**	**1.0%**	**1.1%**	**0.9%**	**0.9%**	**0.9%**	**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	0.000300	0.000210	0.000220	0.000230	0.000310	0.000260	0.000340	0.000260	0.000280	0.000260	0.000490	0.000290
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	0.000320	0.000310	0.000330	0.000340	0.000340	0.000350	0.000360	0.000370	0.000250	N/A	0.000066	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**	**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	**1/03**	**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	N/A	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**	**N/A**	**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 1

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	2208.0	2209.0	2184.0	2183.0	1724.7	948.0	1962.8
Indicator value	**0.8**	**0.8**	**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	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**

Licensee Comments: none

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	1.0	0	0	0	0	0	0	2.0
Critical hours	2183.0	2208.0	2209.0	2184.0	2183.0	1724.7	948.0	1962.8
Indicator value	**0.8**	**0.8**	**0.8**	**0.8**	**0**	**0**	**0**	**2.1**

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	10.30	40.82	12.99	42.12	15.95	16.27	8.59	36.45
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	2184.00	2183.00	1890.12	1561.18	2160.00
Train 2								
Planned unavailable hours	21.34	9.48	28.05	6.60	43.03	13.79	3.25	12.73
Unplanned unavailable hours	2.87	71.33	0	21.92	7.62	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	2184.00	2183.00	1890.12	1561.18	2160.00
Indicator value	**1.5%**	**1.7%**	**1.6%**	**1.5%**	**1.6%**	**1.5%**	**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)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	7.33	9.23	0	41.39	5.75	15.90	0.27	13.82
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	2183.00	2208.00	2209.00	2184.00	2183.00	1742.50	1053.80	1962.90
Train 2								
Planned unavailable hours	8.57	0	16.32	0	8.72	25.55	0	3.65
Unplanned unavailable hours	0	0	8.18	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	2184.00	2183.00	1731.53	1053.80	1962.90
Indicator value	**1.0%**	**0.9%**	**0.9%**	**0.8%**	**0.7%**	**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)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	6.55	4.67	4.11	13.75	26.69	4.47	3.38	8.55
Unplanned unavailable hours	0	0	0	0	0	0	44.55	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	1731.53	1013.60	1962.90
Train 2								
Planned unavailable hours	4.98	4.10	27.42	5.18	6.88	8.92	2.53	5.28
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	2184.00	2183.00	1742.50	1053.80	1962.90
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.6%**	**0.7%**	**0.6%**	**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	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	8.98	14.85	3.61	42.39	7.55	17.05	8.04	15.09
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	2184.00	2183.00	1890.12	1561.18	2160.00
Train 2								
Planned unavailable hours	23.02	1.03	22.75	5.85	10.07	27.37	4.27	5.85
Unplanned unavailable hours	0	0	8.18	0	0	0	0	1.00
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	1890.12	1509.52	2160.00
Indicator value	**1.1%**	**1.0%**	**1.1%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.7%**

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	0.000230	0.000310	0.000260	0.000340	0.000260	0.000280	0.000260	0.000490	0.000290	0.000320	0.000310	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	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum activity	0.000340	0.000340	0.000350	0.000360	0.000370	0.000250	N/A	0.000066	0.000150	0.000220	0.000170	0.000170
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	4/03	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	N/A	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**	**N/A**	**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 1

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	2208.0	2209.0	2184.0	2183.0	1724.7	948.0	1962.8	2183.0
Indicator value	**0.8**	**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	**1.0**	**1.0**	**1.0**	**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	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	0	0	0	0	0	2.0	0
Critical hours	2208.0	2209.0	2184.0	2183.0	1724.7	948.0	1962.8	2183.0
Indicator value	**0.8**	**0.8**	**0.8**	**0**	**0**	**0**	**2.1**	**2.1**

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	40.82	12.99	42.12	15.95	16.27	8.59	36.45	16.98
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	2184.00	2183.00	1890.12	1561.18	2160.00	2183.00
Train 2								
Planned unavailable hours	9.48	28.05	6.60	43.03	13.79	3.25	12.73	53.37
Unplanned unavailable hours	71.33	0	21.92	7.62	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	2184.00	2183.00	1890.12	1561.18	2160.00	2183.00
Indicator value	**1.7%**	**1.6%**	**1.5%**	**1.6%**	**1.5%**	**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)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	9.23	0	41.39	5.75	15.90	0.27	13.82	3.25
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	2184.00	2183.00	1742.50	1053.80	1962.90	2183.00
Train 2								
Planned unavailable hours	0	16.32	0	8.72	25.55	0	3.65	49.81
Unplanned unavailable hours	0	8.18	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	2184.00	2183.00	1731.53	1053.80	1962.90	2183.00
Indicator value	**0.9%**	**0.9%**	**0.8%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**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)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	4.67	4.11	13.75	26.69	4.47	3.38	8.55	3.56
Unplanned unavailable hours	0	0	0	0	0	44.55	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	1731.53	1013.60	1962.90	2183.00
Train 2								
Planned unavailable hours	4.10	27.42	5.18	6.88	8.92	2.53	5.28	41.84
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	2184.00	2183.00	1742.50	1053.80	1962.90	2183.00
Indicator value	**0.9%**	**0.9%**	**0.6%**	**0.7%**	**0.6%**	**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	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	14.85	3.61	42.39	7.55	17.05	8.04	15.09	4.35
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	2184.00	2183.00	1890.12	1561.18	2160.00	2183.00
Train 2								
Planned unavailable hours	1.03	22.75	5.85	10.07	27.37	4.27	5.85	56.44
Unplanned unavailable hours	0	8.18	0	0	0	0	1.00	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	1890.12	1509.52	2160.00	2183.00
Indicator value	**1.0%**	**1.1%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.7%**	**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	0.000340	0.000260	0.000280	0.000260	0.000490	0.000290	0.000320	0.000310	0.000330	0.000340	0.000340	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**	**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	0.000360	0.000370	0.000250	N/A	0.000066	0.000150	0.000220	0.000170	0.000170	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**	**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	7/03	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	N/A	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**	**N/A**	**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 1

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	2209.0	2184.0	2183.0	1724.7	948.0	1962.8	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/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	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	0	0	0	0	0	2.0	0	0
Critical hours	2209.0	2184.0	2183.0	1724.7	948.0	1962.8	2183.0	2208.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**0**	**2.1**	**2.1**	**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	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	12.99	42.12	15.95	16.27	8.59	36.45	16.98	11.24
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	2209.00	2184.00	2183.00	1890.12	1561.18	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	28.05	6.60	43.03	13.79	3.25	12.73	53.37	9.10
Unplanned unavailable hours	0	21.92	7.62	0	0	0	0	31.15
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	1890.12	1561.18	2160.00	2183.00	2208.00
Indicator value	**1.6%**	**1.5%**	**1.6%**	**1.5%**	**1.4%**	**1.3%**	**1.3%**	**1.3%**

Licensee Comments:

3Q/05: (July 2005) Train 1 Cooling Water (support system), 23.48 hours of T/2 fault exposure hours. (August 2005) EDG train 2, 3.16 hours of T/2 fault exposure hours.

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	41.39	5.75	15.90	0.27	13.82	3.25	18.15
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	2209.00	2184.00	2183.00	1742.50	1053.80	1962.90	2183.00	2208.00
Train 2								
Planned unavailable hours	16.32	0	8.72	25.55	0	3.65	49.81	19.82
Unplanned unavailable hours	8.18	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	2184.00	2183.00	1731.53	1053.80	1962.90	2183.00	2208.00
Indicator value	**0.9%**	**0.8%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**

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	4.11	13.75	26.69	4.47	3.38	8.55	3.56	18.85
Unplanned unavailable hours	0	0	0	0	44.55	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	2209.00	2184.00	2183.00	1731.53	1013.60	1962.90	2183.00	2208.00
Train 2								
Planned unavailable hours	27.42	5.18	6.88	8.92	2.53	5.28	41.84	27.22
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	2209.00	2184.00	2183.00	1742.50	1053.80	1962.90	2183.00	2208.00
Indicator value	**0.9%**	**0.6%**	**0.7%**	**0.6%**	**0.6%**	**0.5%**	**0.6%**	**0.7%**

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	3.61	42.39	7.55	17.05	8.04	15.09	4.35	21.70
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	2209.00	2184.00	2183.00	1890.12	1561.18	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	22.75	5.85	10.07	27.37	4.27	5.85	56.44	23.37
Unplanned unavailable hours	8.18	0	0	0	0	1.00	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	1890.12	1509.52	2160.00	2183.00	2208.00
Indicator value	**1.1%**	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.7%**	**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	0.000260	0.000490	0.000290	0.000320	0.000310	0.000330	0.000340	0.000340	0.000350	0.000360	0.000370	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	**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	N/A	0.000066	0.000150	0.000220	0.000170	0.000170	0.000180	0.000190	0.000210	0.000190	0.000230	0.000290
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	**10/03**	**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	N/A	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	**N/A**	**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 1

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	1724.7	948.0	1962.8	2183.0	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	**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	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	0	0	0	0	2.0	0	0	0
Critical hours	2184.0	2183.0	1724.7	948.0	1962.8	2183.0	2208.0	2209.0
Indicator value	**0.8**	**0**	**0**	**0**	**2.1**	**2.1**	**1.9**	**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	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	42.12	15.95	16.27	8.59	36.45	16.98	11.24	18.10
Unplanned unavailable hours	0	0	0	0	0	0	22.18	57.55
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	1890.12	1561.18	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	6.60	43.03	13.79	3.25	12.73	53.37	9.10	44.50
Unplanned unavailable hours	21.92	7.62	0	0	0	0	31.15	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	1890.12	1561.18	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.5%**	**1.6%**	**1.5%**	**1.4%**	**1.3%**	**1.3%**	**1.3%**	**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)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	41.39	5.75	15.90	0.27	13.82	3.25	18.15	2.86
Unplanned unavailable hours	0	0	0	0	0	0	22.18	1.92
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	1742.50	1053.80	1962.90	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	8.72	25.55	0	3.65	49.81	19.82	14.88
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	1731.53	1053.80	1962.90	2183.00	2208.00	2209.00
Indicator value	**0.8%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.7%**	**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)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	13.75	26.69	4.47	3.38	8.55	3.56	18.85	1.63
Unplanned unavailable hours	0	0	0	44.55	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	1731.53	1013.60	1962.90	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	5.18	6.88	8.92	2.53	5.28	41.84	27.22	15.66
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	1742.50	1053.80	1962.90	2183.00	2208.00	2209.00
Indicator value	**0.6%**	**0.7%**	**0.6%**	**0.6%**	**0.5%**	**0.6%**	**0.7%**	**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	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	42.39	7.55	17.05	8.04	15.09	4.35	21.70	2.86
Unplanned unavailable hours	0	0	0	0	0	0	22.18	1.92
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	1890.12	1561.18	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	5.85	10.07	27.37	4.27	5.85	56.44	23.37	14.88
Unplanned unavailable hours	0	0	0	0	1.00	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	1890.12	1509.52	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.7%**	**0.7%**	**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	0.000320	0.000310	0.000330	0.000340	0.000340	0.000350	0.000360	0.000370	0.000250	N/A	0.000066	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**	**0**	**0**	**N/A**	**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	0.000220	0.000170	0.000170	0.000180	0.000190	0.000210	0.000190	0.000230	0.000290	0.000220	0.000220	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	**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	N/A	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**	**N/A**	**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 1

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	1724.7	948.0	1962.8	2183.0	2208.0	2209.0	2160.0
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	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**	**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	0	2.0	0	0	0	0
Critical hours	2183.0	1724.7	948.0	1962.8	2183.0	2208.0	2209.0	2160.0
Indicator value	**0**	**0**	**0**	**2.1**	**2.1**	**1.9**	**1.6**	**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	15.95	16.27	8.59	36.45	16.98	11.24	18.10	19.45
Unplanned unavailable hours	0	0	0	11.90	0	22.18	57.55	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	1890.12	1561.18	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	43.03	13.79	3.25	12.73	53.37	9.10	44.50	20.68
Unplanned unavailable hours	7.62	0	0	0	0	31.15	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	1890.12	1561.18	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.6%**	**1.5%**	**1.4%**	**1.4%**	**1.4%**	**1.3%**	**1.4%**	**1.5%**

Licensee Comments:

1Q/05: A change to the 1Q2005 U1 EAC unavailability was identified during a data review. This involved adding 11.9 hours of unplanned unavailability for Train 1 EAC for January 2005, which had not previously been reported. This change 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/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	5.75	15.90	0.27	13.82	3.25	18.15	2.86	17.73
Unplanned unavailable hours	0	0	0	0	0	22.18	1.92	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	1742.50	1053.80	1962.90	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	8.72	25.55	0	3.65	49.81	19.82	14.88	8.50
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	1731.53	1053.80	1962.90	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.6%**	**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/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	26.69	4.47	3.38	8.55	3.56	18.85	1.63	5.35
Unplanned unavailable hours	0	0	44.55	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	1731.53	1013.60	1962.90	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	6.88	8.92	2.53	5.28	41.84	27.22	15.66	1.62
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	1742.50	1053.80	1962.90	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**0.6%**	**0.6%**	**0.5%**	**0.6%**	**0.7%**	**0.6%**	**0.7%**

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/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	7.55	17.05	8.04	15.09	4.35	21.70	2.86	17.73
Unplanned unavailable hours	0	0	0	0	0	22.18	1.92	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	1890.12	1561.18	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	10.07	27.37	4.27	5.85	56.44	23.37	14.88	8.22
Unplanned unavailable hours	0	0	0	1.00	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	1890.12	1509.52	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.9%**	**0.9%**	**0.7%**	**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)	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	0.000340	0.000340	0.000350	0.000360	0.000370	0.000250	N/A	0.000066	0.000150	0.000220	0.000170	0.000170
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	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum activity	0.000180	0.000190	0.000210	0.000190	0.000230	0.000290	0.000220	0.000220	0.000220	0.000240	0.000220	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	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	N/A	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**	**N/A**	**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 1

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	1.0
Critical hours	1724.7	948.0	1962.8	2183.0	2208.0	2209.0	2160.0	1244.9
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/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	**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	0	2.0	0	0	0	0	0
Critical hours	1724.7	948.0	1962.8	2183.0	2208.0	2209.0	2160.0	1244.9
Indicator value	**0**	**0**	**2.1**	**2.1**	**1.9**	**1.6**	**0**	**0**

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)								2.90E-08
URI (ΔCDF)								-7.70E-08
PLE								NO
Indicator value								**-4.80E-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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-5.10E-09
URI (ΔCDF)								-1.10E-08
PLE								NO
Indicator value								**-1.61E-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)								1.40E-08
URI (ΔCDF)								2.10E-08
PLE								NO
Indicator value								**3.50E-08**

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)								-1.60E-08
URI (ΔCDF)								-1.20E-07
PLE								NO
Indicator value								**-1.36E-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)								1.10E-07
URI (ΔCDF)								-8.10E-08
PLE								NO
Indicator value								**2.90E-08**

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	0.000360	0.000370	0.000250	N/A	0.000066	0.000150	0.000220	0.000170	0.000170	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**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000190	0.000230	0.000290	0.000220	0.000220	0.000220	0.000240	0.000220	0.000240	0.002100	N/A	0.000100
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**	**0.2**	**N/A**	**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	N/A	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**	**N/A**	**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

ERO Drill Participation

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 1

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	1.0	0
Critical hours	948.0	1962.8	2183.0	2208.0	2209.0	2160.0	1244.9	2208.0
Indicator value	**0**	**0**	**0**	**0**	**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	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

Unplanned Power Changes per 7000 Critical Hrs

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	0	2.0	0	0	0	0	0	0
Critical hours	948.0	1962.8	2183.0	2208.0	2209.0	2160.0	1244.9	2208.0
Indicator value	**0**	**2.1**	**2.1**	**1.9**	**1.6**	**0**	**0**	**0**

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)							2.90E-08	9.50E-09
URI (ΔCDF)							-7.70E-08	-7.60E-08
PLE							NO	NO
Indicator value							**-4.80E-08**	**-6.65E-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/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-5.10E-09	-5.10E-09
URI (ΔCDF)							-1.10E-08	-1.10E-08
PLE							NO	NO
Indicator value							**-1.61E-08**	**-1.61E-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)							1.40E-08	1.10E-08
URI (ΔCDF)							1.30E-07	1.30E-07
PLE							NO	NO
Indicator value							**1.44E-07**	**1.41E-07**

Licensee Comments:

3Q/06: Revised 2Q2006 reliability data for heat removal to include valve failure. 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/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-1.60E-08	-1.90E-08
URI (ΔCDF)							-1.20E-07	-1.20E-07
PLE							NO	NO
Indicator value							**-1.36E-07**	**-1.39E-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)							1.10E-07	3.60E-07
URI (ΔCDF)							-8.10E-08	-8.30E-08
PLE							NO	NO
Indicator value							**2.90E-08**	**2.77E-07**

Licensee Comments: none

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	N/A	0.000066	0.000150	0.000220	0.000170	0.000170	0.000180	0.000190	0.000210	0.000190	0.000230	0.000290
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**

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	0.000220	0.000220	0.000220	0.000240	0.000220	0.000240	0.002100	N/A	0.000100	0.000190	0.000130	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**	**0.2**	**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	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum leakage	N/A	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	**N/A**	**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 1

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	1.0	0	0
Critical hours	1962.8	2183.0	2208.0	2209.0	2160.0	1244.9	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**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	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	2.0	0	0	0	0	0	0	0
Critical hours	1962.8	2183.0	2208.0	2209.0	2160.0	1244.9	2208.0	2209.0
Indicator value	**2.1**	**2.1**	**1.9**	**1.6**	**0**	**0**	**0**	**0**

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)						2.90E-08	9.50E-09	1.10E-08
URI (ΔCDF)						-7.70E-08	-7.60E-08	-7.60E-08
PLE						NO	NO	NO
Indicator value						**-4.80E-08**	**-6.65E-08**	**-6.50E-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/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						-5.10E-09	-5.10E-09	-5.10E-09
URI (ΔCDF)						-1.10E-08	-1.10E-08	-1.10E-08
PLE						NO	NO	NO
Indicator value						**-1.61E-08**	**-1.61E-08**	**-1.61E-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)						1.40E-08	1.10E-08	9.90E-09
URI (ΔCDF)						1.30E-07	1.30E-07	1.30E-07
PLE						NO	NO	NO
Indicator value						**1.44E-07**	**1.41E-07**	**1.40E-07**

Licensee Comments:

4Q/06: Revised the April 2006 TDAFWP reliability data to correctly categorize the demands/run hours as ESF and Operational. 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	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						-1.60E-08	-1.90E-08	-1.90E-08
URI (ΔCDF)						-1.20E-07	-1.20E-07	-1.20E-07
PLE						NO	NO	NO
Indicator value						**-1.36E-07**	**-1.39E-07**	**-1.39E-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)						1.10E-07	1.20E-07	1.50E-07
URI (ΔCDF)						-8.10E-08	-8.30E-08	-8.40E-08
PLE						NO	NO	NO
Indicator value						**2.90E-08**	**3.70E-08**	**6.60E-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. (2) Revised the Unit 1 unavailability (317.57 hours unplanned) to planned unavailability for the month of September 2006. No MSPI failure occurred and engineering evaluation showed that no MSPI function was lost. This change did not result in an indicator color change. (3) Revised the Unit 1 planned baseline value for 121 Cooling Water segment, effective 2Q2007, due to additional hours associated with maintenance for line replacement.

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	0.000220	0.000170	0.000170	0.000180	0.000190	0.000210	0.000190	0.000230	0.000290	0.000220	0.000220	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	**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	0.000240	0.000220	0.000240	0.002100	N/A	0.000100	0.000190	0.000130	0.000130	0.000260	0.000140	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**	**0.2**	**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	**1/05**	**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 1

1Q/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	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	1244.9	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**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	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	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	1244.9	2208.0	2209.0	2159.0
Indicator value	**2.1**	**1.9**	**1.6**	**0**	**0**	**0**	**0**	**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)					2.90E-08	9.50E-09	1.10E-08	1.40E-08
URI (ΔCDF)					-7.70E-08	-7.60E-08	-7.60E-08	-7.50E-08
PLE					NO	NO	NO	NO
Indicator value					**-4.80E-08**	**-6.65E-08**	**-6.50E-08**	**-6.10E-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/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09
URI (ΔCDF)					-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08
PLE					NO	NO	NO	NO
Indicator value					**-1.61E-08**	**-1.61E-08**	**-1.61E-08**	**-1.61E-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)					1.40E-08	1.10E-08	9.90E-09	9.00E-09
URI (ΔCDF)					1.30E-07	1.30E-07	1.30E-07	1.30E-07
PLE					NO	NO	NO	NO
Indicator value					**1.44E-07**	**1.41E-07**	**1.40E-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	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-1.60E-08	-1.90E-08	-1.90E-08	-1.90E-08
URI (ΔCDF)					-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07
PLE					NO	NO	NO	NO
Indicator value					**-1.36E-07**	**-1.39E-07**	**-1.39E-07**	**-1.39E-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)					1.10E-07	1.20E-07	1.50E-07	2.20E-07
URI (ΔCDF)					-8.10E-08	-8.30E-08	-8.40E-08	-8.50E-08
PLE					NO	NO	NO	NO
Indicator value					**2.90E-08**	**3.70E-08**	**6.60E-08**	**1.35E-07**

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	0.000180	0.000190	0.000210	0.000190	0.000230	0.000290	0.000220	0.000220	0.000220	0.000240	0.000220	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	**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	0.002100	N/A	0.000100	0.000190	0.000130	0.000130	0.000260	0.000140	0.000150	0.000150	0.000140	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	**0.2**	**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	**4/05**	**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 1

2Q/2007 Performance Indicators

Licensee's General Comments: none

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	1.0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1244.9	2208.0	2209.0	2159.0	2064.8
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**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	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	0	0	0	0	0	1.0
Critical hours	2208.0	2209.0	2160.0	1244.9	2208.0	2209.0	2159.0	2064.8
Indicator value	**1.9**	**1.6**	**0**	**0**	**0**	**0**	**0**	**0.8**

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)				2.90E-08	9.50E-09	1.10E-08	1.40E-08	1.30E-08
URI (ΔCDF)				-7.70E-08	-7.60E-08	-7.60E-08	-7.50E-08	-7.50E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-4.80E-08**	**-6.65E-08**	**-6.50E-08**	**-6.10E-08**	**-6.20E-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/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-3.60E-09
URI (ΔCDF)				-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	4.00E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-1.61E-08**	**-1.61E-08**	**-1.61E-08**	**-1.61E-08**	**3.64E-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)				1.40E-08	1.10E-08	9.90E-09	9.00E-09	6.50E-09
URI (ΔCDF)				1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**1.44E-07**	**1.41E-07**	**1.40E-07**	**1.39E-07**	**1.37E-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)				-1.60E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08
URI (ΔCDF)				-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-1.36E-07**	**-1.39E-07**	**-1.39E-07**	**-1.39E-07**	**-1.39E-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)				1.10E-07	1.20E-07	1.50E-07	2.20E-07	1.60E-07
URI (ΔCDF)				-8.10E-08	-8.30E-08	-8.40E-08	-8.50E-08	-1.00E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**2.90E-08**	**3.70E-08**	**6.60E-08**	**1.35E-07**	**6.00E-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	0.000190	0.000230	0.000290	0.000220	0.000220	0.000220	0.000240	0.000220	0.000240	0.002100	N/A	0.000100
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**	**0.2**	**N/A**	**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	0.000190	0.000130	0.000130	0.000260	0.000140	0.000150	0.000150	0.000140	0.000150	0.000150	0.000150	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**	**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	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	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 1

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	1.0	0	0	0	0	0
Critical hours	2209.0	2160.0	1244.9	2208.0	2209.0	2159.0	2064.8	2208.0
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	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2209.0	2160.0	1244.9	2208.0	2209.0	2159.0	2064.8	2208.0
Indicator value	**1.6**	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.8**

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	0	0
Indicator value								**0.0**

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)			2.90E-08	9.50E-09	1.10E-08	1.40E-08	1.30E-08	1.10E-08
URI (ΔCDF)			-7.70E-08	-7.60E-08	-7.60E-08	-7.50E-08	-7.50E-08	-7.40E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-4.80E-08**	**-6.65E-08**	**-6.50E-08**	**-6.10E-08**	**-6.20E-08**	**-6.30E-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)			-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-3.60E-09	-3.60E-09
URI (ΔCDF)			-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	4.00E-08	4.00E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.61E-08**	**-1.61E-08**	**-1.61E-08**	**-1.61E-08**	**3.64E-08**	**3.64E-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)			1.40E-08	1.10E-08	9.90E-09	9.00E-09	6.50E-09	5.80E-09
URI (ΔCDF)			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
Indicator value			**1.44E-07**	**1.41E-07**	**1.40E-07**	**1.39E-07**	**1.37E-07**	**1.36E-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/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-1.60E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08
URI (ΔCDF)			-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.36E-07**	**-1.39E-07**	**-1.39E-07**	**-1.39E-07**	**-1.39E-07**	**-1.29E-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)			1.10E-07	1.20E-07	1.50E-07	2.20E-07	1.60E-07	6.70E-08
URI (ΔCDF)			-8.10E-08	-8.30E-08	-8.40E-08	-8.50E-08	-1.00E-07	-1.00E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**2.90E-08**	**3.70E-08**	**6.60E-08**	**1.35E-07**	**6.00E-08**	**-3.30E-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	0.000220	0.000220	0.000220	0.000240	0.000220	0.000240	0.002100	N/A	0.000100	0.000190	0.000130	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**	**0.2**	**N/A**	**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	0.000260	0.000140	0.000150	0.000150	0.000140	0.000150	0.000150	0.000150	0.000160	0.000160	0.000160	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**	**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 Apr, May and June 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 1

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	1.0	0	0	0	0	0	0
Critical hours	2160.0	1244.9	2208.0	2209.0	2159.0	2064.8	2208.0	2129.2
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**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/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	0	0	0	0	1.0	0	1.0
Critical hours	2160.0	1244.9	2208.0	2209.0	2159.0	2064.8	2208.0	2129.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.8**	**1.6**

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	0	0	0
Indicator value							**0.0**	**0.0**

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)		2.90E-08	9.50E-09	1.10E-08	1.40E-08	1.30E-08	1.10E-08	4.60E-08
URI (ΔCDF)		-7.70E-08	-7.60E-08	-7.60E-08	-7.50E-08	-7.50E-08	-7.40E-08	-7.30E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-4.80E-08**	**-6.65E-08**	**-6.50E-08**	**-6.10E-08**	**-6.20E-08**	**-6.30E-08**	**-2.70E-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)		-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-3.60E-09	-3.60E-09	-3.70E-09
URI (ΔCDF)		-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	4.00E-08	4.00E-08	4.10E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-1.61E-08**	**-1.61E-08**	**-1.61E-08**	**-1.61E-08**	**3.64E-08**	**3.64E-08**	**3.73E-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)		1.40E-08	1.10E-08	9.90E-09	9.00E-09	6.50E-09	5.80E-09	-1.10E-08
URI (ΔCDF)		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
Indicator value		**1.44E-07**	**1.41E-07**	**1.40E-07**	**1.39E-07**	**1.37E-07**	**1.36E-07**	**1.19E-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)		-1.60E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-2.00E-08
URI (ΔCDF)		-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07	-8.30E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-1.36E-07**	**-1.39E-07**	**-1.39E-07**	**-1.39E-07**	**-1.39E-07**	**-1.29E-07**	**-1.03E-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)		1.10E-07	1.20E-07	1.50E-07	2.20E-07	1.60E-07	6.70E-08	2.00E-07
URI (ΔCDF)		-8.10E-08	-8.30E-08	-8.40E-08	-8.50E-08	-1.00E-07	-1.00E-07	-1.00E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**2.90E-08**	**3.70E-08**	**6.60E-08**	**1.35E-07**	**6.00E-08**	**-3.30E-08**	**1.00E-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	0.000240	0.000220	0.000240	0.002100	N/A	0.000100	0.000190	0.000130	0.000130	0.000260	0.000140	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**	**0.2**	**N/A**	**0**	**0**	**0**	**0**	**0**	**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	0.000140	0.000150	0.000150	0.000150	0.000160	0.000160	0.000160	0.000160	0.000180	0.000180	0.000170
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 data from Nov 2006. VHRA occurances changed from 1 to 0 this resulted in a color change from white to green affecting the time period from 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 1

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	1.0	0	0	0	0	0	0	0
Critical hours	1244.9	2208.0	2209.0	2159.0	2064.8	2208.0	2129.2	1292.3
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**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/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	1.0	0
Critical hours	1244.9	2208.0	2209.0	2159.0	2064.8	2208.0	2129.2	1292.3
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**0.8**	**1.6**	**1.8**

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	0	0	0	0
Indicator value						**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/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)	2.90E-08	9.50E-09	1.10E-08	1.40E-08	1.30E-08	1.10E-08	4.60E-08	3.80E-08
URI (ΔCDF)	-7.70E-08	-7.60E-08	-7.60E-08	-7.50E-08	-7.50E-08	-7.40E-08	-7.30E-08	-7.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.80E-08**	**-6.65E-08**	**-6.50E-08**	**-6.10E-08**	**-6.20E-08**	**-6.30E-08**	**-2.70E-08**	**-3.50E-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	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-3.60E-09	-3.60E-09	-3.70E-09	-3.60E-09
URI (ΔCDF)	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	4.00E-08	4.00E-08	4.10E-08	3.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.61E-08**	**-1.61E-08**	**-1.61E-08**	**-1.61E-08**	**3.64E-08**	**3.64E-08**	**3.73E-08**	**3.54E-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)	1.40E-08	1.10E-08	9.90E-09	9.00E-09	6.50E-09	5.80E-09	-1.10E-08	1.70E-08
URI (ΔCDF)	1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	3.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.44E-07**	**1.41E-07**	**1.40E-07**	**1.39E-07**	**1.37E-07**	**1.36E-07**	**1.19E-07**	**3.47E-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)	-1.60E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-2.00E-08	-2.10E-08
URI (ΔCDF)	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07	-8.30E-08	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.36E-07**	**-1.39E-07**	**-1.39E-07**	**-1.39E-07**	**-1.39E-07**	**-1.29E-07**	**-1.03E-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/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	1.10E-07	1.20E-07	1.50E-07	2.20E-07	1.60E-07	6.70E-08	2.00E-07	3.00E-07
URI (ΔCDF)	-8.10E-08	-8.30E-08	-8.40E-08	-8.50E-08	-1.00E-07	-1.00E-07	-1.00E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.90E-08**	**3.70E-08**	**6.60E-08**	**1.35E-07**	**6.00E-08**	**-3.30E-08**	**1.00E-07**	**1.90E-07**

Licensee Comments:

1Q/08: Update PRA Parameter for train -12 Cooling Water Pump. UABLP changed from 1.78E-02 to 2.23E-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	0.002100	N/A	0.000100	0.000190	0.000130	0.000130	0.000260	0.000140	0.000150	0.000150	0.000140	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	**0.2**	**N/A**	**0**	**0**	**0**	**0**	**0**	**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	0.000150	0.000150	0.000160	0.000160	0.000160	0.000160	0.000180	0.000180	0.000170	0.000180	0.000170	N/A
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**	**N/A**

Licensee Comments:

3/08: Unit 1 did not meet minimum sampling power requirements in March 2008. Did not attain steady state of >85% for 3 days.

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 1

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	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2064.8	2208.0	2129.2	1292.3	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	0	0	1.0	0	1.0	0	0
Critical hours	2208.0	2209.0	2159.0	2064.8	2208.0	2129.2	1292.3	2184.0
Indicator value	**0**	**0**	**0**	**0.8**	**0.8**	**1.6**	**1.8**	**0.9**

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	0	0	0	0	0
Indicator value					**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/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)	9.50E-09	1.10E-08	1.40E-08	1.30E-08	1.10E-08	4.60E-08	3.80E-08	4.00E-08
URI (ΔCDF)	-7.60E-08	-7.60E-08	-7.50E-08	-7.50E-08	-7.40E-08	-7.30E-08	-7.30E-08	-7.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.65E-08**	**-6.50E-08**	**-6.10E-08**	**-6.20E-08**	**-6.30E-08**	**-2.70E-08**	**-3.50E-08**	**-3.20E-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)	-5.10E-09	-5.10E-09	-5.10E-09	-3.60E-09	-3.60E-09	-3.70E-09	-3.60E-09	-3.60E-09
URI (ΔCDF)	-1.10E-08	-1.10E-08	-1.10E-08	4.00E-08	4.00E-08	4.10E-08	3.90E-08	3.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.61E-08**	**-1.61E-08**	**-1.61E-08**	**3.64E-08**	**3.64E-08**	**3.73E-08**	**3.54E-08**	**3.54E-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)	1.10E-08	9.90E-09	9.00E-09	6.50E-09	5.80E-09	-1.10E-08	-1.40E-09	-1.40E-09
URI (ΔCDF)	1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	3.30E-07	3.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.41E-07**	**1.40E-07**	**1.39E-07**	**1.37E-07**	**1.36E-07**	**1.19E-07**	**3.29E-07**	**3.29E-07**

Licensee Comments:

2Q/08: For March 2008, previous quarter-1Q2008, Unit 1, Train A (AFW) Unavaiability Data was re-verified and re-submitted by Engineering to be 25.38 Unplanned Hours. The value was changed from 25.27 to 25.38 hours. The change did not affect the color of the indicator. No associated LER to reference.

1Q/08: Unit 1, Train A (AFW) Unavailability Data was re-verified and re-submitted by Engineering to be 25.38 Unplanned Hours. The value was changed from 25.27 hours to 25.38 hours for March 2008, 1Q2008. The change did not affect the color of the indicator. No associated LER to reference.

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)	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-2.00E-08	-2.10E-08	-2.10E-08
URI (ΔCDF)	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07	-8.30E-08	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.39E-07**	**-1.39E-07**	**-1.39E-07**	**-1.39E-07**	**-1.29E-07**	**-1.03E-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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	1.20E-07	1.50E-07	2.20E-07	1.60E-07	6.70E-08	2.00E-07	3.00E-07	2.10E-07
URI (ΔCDF)	-8.30E-08	-8.40E-08	-8.50E-08	-1.00E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-08**	**6.60E-08**	**1.35E-07**	**6.00E-08**	**-3.30E-08**	**1.00E-07**	**1.90E-07**	**1.00E-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	0.000190	0.000130	0.000130	0.000260	0.000140	0.000150	0.000150	0.000140	0.000150	0.000150	0.000150	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**	**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	0.000160	0.000160	0.000160	0.000180	0.000180	0.000170	0.000180	0.000170	N/A	0.000120	0.000093	0.000110
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**	**N/A**	**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 1

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	0	0	0	0	0	1.0
Critical hours	2209.0	2159.0	2064.8	2208.0	2129.2	1292.3	2184.0	2150.7
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0.9**

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	1.0	0	0	0
Critical hours	2209.0	2159.0	2064.8	2208.0	2129.2	1292.3	2184.0	2150.7
Indicator value	**0**	**0**	**0.8**	**0.8**	**1.6**	**1.8**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

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	0	0	0	0	0	0
Indicator value				**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/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	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	1.10E-08	1.40E-08	1.30E-08	1.10E-08	4.60E-08	3.80E-08	4.00E-08	3.40E-08
URI (ΔCDF)	-7.60E-08	-7.50E-08	-7.50E-08	-7.40E-08	-7.30E-08	-7.30E-08	-7.20E-08	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.50E-08**	**-6.10E-08**	**-6.20E-08**	**-6.30E-08**	**-2.70E-08**	**-3.50E-08**	**-3.20E-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	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-5.10E-09	-5.10E-09	-3.60E-09	-3.60E-09	-3.70E-09	-3.60E-09	-3.60E-09	-3.60E-09
URI (ΔCDF)	-1.10E-08	-1.10E-08	4.00E-08	4.00E-08	4.10E-08	3.90E-08	3.90E-08	3.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.61E-08**	**-1.61E-08**	**3.64E-08**	**3.64E-08**	**3.73E-08**	**3.54E-08**	**3.54E-08**	**3.54E-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)	9.90E-09	9.00E-09	6.50E-09	5.80E-09	-1.10E-08	-1.40E-09	-1.40E-09	9.10E-09
URI (ΔCDF)	1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	3.30E-07	3.30E-07	4.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-07**	**1.39E-07**	**1.37E-07**	**1.36E-07**	**1.19E-07**	**3.29E-07**	**3.29E-07**	**4.49E-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)	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-2.00E-08	-2.10E-08	-2.10E-08	-2.10E-08
URI (ΔCDF)	-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07	-8.30E-08	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.39E-07**	**-1.39E-07**	**-1.39E-07**	**-1.29E-07**	**-1.03E-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/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	1.50E-07	2.20E-07	1.60E-07	6.70E-08	2.00E-07	3.00E-07	2.10E-07	3.70E-07
URI (ΔCDF)	-8.40E-08	-8.50E-08	-1.00E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.10E-07	-4.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.60E-08**	**1.35E-07**	**6.00E-08**	**-3.30E-08**	**1.00E-07**	**1.90E-07**	**1.00E-07**	**-7.00E-08**

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	0.000260	0.000140	0.000150	0.000150	0.000140	0.000150	0.000150	0.000150	0.000160	0.000160	0.000160	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**	**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	0.000180	0.000180	0.000170	0.000180	0.000170	N/A	0.000120	0.000093	0.000110	0.000190	0.000110	0.000120
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**	**N/A**	**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	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/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 1

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	0	0	0	0	0	1.0	0
Critical hours	2159.0	2064.8	2208.0	2129.2	1292.3	2184.0	2150.7	2209.0
Indicator value	**0.9**	**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	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	1.0	0	1.0	0	0	0	0
Critical hours	2159.0	2064.8	2208.0	2129.2	1292.3	2184.0	2150.7	2209.0
Indicator value	**0**	**0.8**	**0.8**	**1.6**	**1.8**	**0.9**	**0.9**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

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	0	0	0	0	0	0	0
Indicator value			**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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Safety System Functional Failures	0	0	0	0	1	0	1	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**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	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	1.40E-08	1.30E-08	1.10E-08	4.60E-08	3.80E-08	4.00E-08	3.40E-08	8.80E-09
URI (ΔCDF)	-7.50E-08	-7.50E-08	-7.40E-08	-7.30E-08	-7.30E-08	-7.20E-08	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.10E-08**	**-6.20E-08**	**-6.30E-08**	**-2.70E-08**	**-3.50E-08**	**-3.20E-08**	**-9.60E-08**	**-1.21E-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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-5.10E-09	-3.60E-09	-3.60E-09	-3.70E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09
URI (ΔCDF)	-1.10E-08	4.00E-08	4.00E-08	4.10E-08	3.90E-08	3.90E-08	3.90E-08	3.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.61E-08**	**3.64E-08**	**3.64E-08**	**3.73E-08**	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.54E-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)	9.00E-09	6.50E-09	5.80E-09	-1.10E-08	-1.40E-09	-1.40E-09	9.10E-09	9.10E-09
URI (ΔCDF)	1.30E-07	1.30E-07	1.30E-07	1.30E-07	3.30E-07	3.30E-07	4.40E-07	4.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.39E-07**	**1.37E-07**	**1.36E-07**	**1.19E-07**	**3.29E-07**	**3.29E-07**	**4.49E-07**	**4.49E-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)	-1.90E-08	-1.90E-08	-1.90E-08	-2.00E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08
URI (ΔCDF)	-1.20E-07	-1.20E-07	-1.10E-07	-8.30E-08	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.39E-07**	**-1.39E-07**	**-1.29E-07**	**-1.03E-07**	**-1.31E-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	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	2.20E-07	1.60E-07	6.70E-08	2.00E-07	3.00E-07	2.10E-07	3.70E-07	3.20E-07
URI (ΔCDF)	-8.50E-08	-1.00E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.10E-07	-4.40E-07	-4.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.35E-07**	**6.00E-08**	**-3.30E-08**	**1.00E-07**	**1.90E-07**	**1.00E-07**	**-7.00E-08**	**-1.20E-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	0.000140	0.000150	0.000150	0.000150	0.000160	0.000160	0.000160	0.000160	0.000180	0.000180	0.000170
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	0.000180	0.000170	N/A	0.000120	0.000093	0.000110	0.000190	0.000110	0.000120	0.000110	0.000120	0.000120
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**	**N/A**	**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	**1/07**	**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	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/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 1

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	0	0	0	0	0	1.0	0	0
Critical hours	2064.8	2208.0	2129.2	1292.3	2184.0	2150.7	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.8**

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	1.0	0	0	0	0	0
Critical hours	2064.8	2208.0	2129.2	1292.3	2184.0	2150.7	2209.0	2159.0
Indicator value	**0.8**	**0.8**	**1.6**	**1.8**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

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	0	0	0	0	0	0	0	0
Indicator value		**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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Safety System Functional Failures	0	0	0	1	0	1	0	0
Indicator value	**0**	**0**	**0**	**1**	**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	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	1.30E-08	1.10E-08	4.60E-08	3.80E-08	4.00E-08	3.40E-08	8.80E-09	6.80E-08
URI (ΔCDF)	-7.50E-08	-7.40E-08	-7.30E-08	-7.30E-08	-7.20E-08	-1.30E-07	-1.30E-07	-7.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.20E-08**	**-6.30E-08**	**-2.70E-08**	**-3.50E-08**	**-3.20E-08**	**-9.60E-08**	**-1.21E-07**	**-3.00E-09**

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)	-3.60E-09	-3.60E-09	-3.70E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09
URI (ΔCDF)	4.00E-08	4.00E-08	4.10E-08	3.90E-08	3.90E-08	3.90E-08	3.90E-08	3.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.64E-08**	**3.64E-08**	**3.73E-08**	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.54E-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)	6.50E-09	5.80E-09	-1.10E-08	-1.40E-09	-1.40E-09	9.10E-09	9.10E-09	9.10E-09
URI (ΔCDF)	1.30E-07	1.30E-07	1.30E-07	3.30E-07	3.30E-07	4.40E-07	4.40E-07	4.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.37E-07**	**1.36E-07**	**1.19E-07**	**3.29E-07**	**3.29E-07**	**4.49E-07**	**4.49E-07**	**4.49E-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)	-1.90E-08	-1.90E-08	-2.00E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	4.30E-08
URI (ΔCDF)	-1.20E-07	-1.10E-07	-8.30E-08	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.39E-07**	**-1.29E-07**	**-1.03E-07**	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-6.70E-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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	1.60E-07	6.70E-08	2.00E-07	3.00E-07	2.10E-07	1.60E-07	1.20E-07	3.90E-07
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.10E-07	-5.00E-07	-5.00E-07	-5.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.00E-08**	**-3.30E-08**	**1.00E-07**	**1.90E-07**	**1.00E-07**	**-3.40E-07**	**-3.80E-07**	**-1.10E-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	0.000150	0.000150	0.000160	0.000160	0.000160	0.000160	0.000180	0.000180	0.000170	0.000180	0.000170	N/A
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**	**N/A**

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	0.000120	0.000093	0.000110	0.000190	0.000110	0.000120	0.000110	0.000120	0.000120	0.000130	0.000140	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**	**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	0	0	0	0	0	0.053	0.132	0.087
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**	**1.3**	**0.9**

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 1

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	1.0	0	0	1.0
Critical hours	2208.0	2129.2	1292.3	2184.0	2150.7	2209.0	2159.0	2111.1
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.8**	**1.6**

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	1.0	0	0	0	0	0	1.0
Critical hours	2208.0	2129.2	1292.3	2184.0	2150.7	2209.0	2159.0	2111.1
Indicator value	**0.8**	**1.6**	**1.8**	**0.9**	**0.9**	**0**	**0**	**0.8**

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	**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/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	1	0	1	0	0	2
Indicator value	**0**	**0**	**1**	**1**	**2**	**2**	**1**	**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	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**
UAI (ΔCDF)	1.10E-08	4.60E-08	3.80E-08	4.00E-08	3.40E-08	8.80E-09	6.80E-08	8.40E-08
URI (ΔCDF)	-7.40E-08	-7.30E-08	-7.30E-08	-7.20E-08	-1.30E-07	-1.30E-07	-7.10E-08	-9.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.30E-08**	**-2.70E-08**	**-3.50E-08**	**-3.20E-08**	**-9.60E-08**	**-1.21E-07**	**-3.00E-09**	**7.50E-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	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-3.60E-09	-3.70E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.70E-09
URI (ΔCDF)	4.00E-08	4.10E-08	3.90E-08	3.90E-08	3.90E-08	3.90E-08	3.90E-08	4.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.64E-08**	**3.73E-08**	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.63E-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)	5.80E-09	-1.10E-08	-1.40E-09	-1.40E-09	9.10E-09	9.10E-09	9.10E-09	-7.90E-09
URI (ΔCDF)	1.30E-07	1.30E-07	3.30E-07	3.30E-07	4.40E-07	4.40E-07	4.40E-07	2.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.36E-07**	**1.19E-07**	**3.29E-07**	**3.29E-07**	**4.49E-07**	**4.49E-07**	**4.49E-07**	**2.32E-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)	-1.90E-08	-2.00E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	4.30E-08	4.10E-08
URI (ΔCDF)	-1.10E-07	-8.30E-08	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-9.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.29E-07**	**-1.03E-07**	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-6.70E-08**	**-5.20E-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	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	6.70E-08	2.00E-07	3.00E-07	2.10E-07	1.60E-07	1.20E-07	3.90E-07	5.70E-07
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.10E-07	-1.10E-07	-5.00E-07	-5.00E-07	-5.00E-07	-5.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**1.00E-07**	**1.90E-07**	**1.00E-07**	**-3.40E-07**	**-3.80E-07**	**-1.10E-07**	**7.00E-08**

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	0.000160	0.000160	0.000160	0.000180	0.000180	0.000170	0.000180	0.000170	N/A	0.000120	0.000093	0.000110
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**	**N/A**	**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	0.000190	0.000110	0.000120	0.000110	0.000120	0.000120	0.000130	0.000140	0.000130	0.000140	0.000130	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**	**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	0	0	0	0	0	0.053	0.132	0.132	0.108	0.187	0.350
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**	**1.3**	**1.3**	**1.1**	**1.9**	**3.5**

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 1

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	1.0	0	0	1.0	0
Critical hours	2129.2	1292.3	2184.0	2150.7	2209.0	2159.0	2111.1	1751.7
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.8**	**1.6**	**0.9**

Licensee Comments: none

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	1.0	0	0	0	0	0	1.0	0
Critical hours	2129.2	1292.3	2184.0	2150.7	2209.0	2159.0	2111.1	1751.7
Indicator value	**1.6**	**1.8**	**0.9**	**0.9**	**0**	**0**	**0.8**	**0.9**

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	**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/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	0	1	0	1	0	0	2	0
Indicator value	**0**	**1**	**1**	**2**	**2**	**1**	**3**	**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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	4.60E-08	3.80E-08	4.00E-08	3.40E-08	8.80E-09	6.80E-08	8.40E-08	9.90E-08
URI (ΔCDF)	-7.30E-08	-7.30E-08	-7.20E-08	-1.30E-07	-1.30E-07	-7.10E-08	-9.00E-09	5.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-08**	**-3.50E-08**	**-3.20E-08**	**-9.60E-08**	**-1.21E-07**	**-3.00E-09**	**7.50E-08**	**1.52E-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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	-3.70E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.70E-09	-2.80E-09
URI (ΔCDF)	4.10E-08	3.90E-08	3.90E-08	3.90E-08	3.90E-08	3.90E-08	4.00E-08	4.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.73E-08**	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.63E-08**	**3.72E-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)	-1.10E-08	-1.40E-09	-1.40E-09	9.10E-09	9.10E-09	9.10E-09	-7.90E-09	-7.50E-09
URI (ΔCDF)	1.30E-07	3.30E-07	3.30E-07	4.40E-07	4.40E-07	4.40E-07	2.40E-07	2.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.19E-07**	**3.29E-07**	**3.29E-07**	**4.49E-07**	**4.49E-07**	**4.49E-07**	**2.32E-07**	**2.33E-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)	-2.00E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	4.30E-08	4.10E-08	4.20E-08
URI (ΔCDF)	-8.30E-08	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-9.30E-08	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.03E-07**	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-6.70E-08**	**-5.20E-08**	**-5.80E-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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	2.00E-07	3.00E-07	2.10E-07	1.60E-07	1.20E-07	3.90E-07	5.70E-07	4.60E-07
URI (ΔCDF)	-1.00E-07	-1.10E-07	-1.10E-07	-5.00E-07	-5.00E-07	-5.00E-07	-5.00E-07	-5.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**1.90E-07**	**1.00E-07**	**-3.40E-07**	**-3.80E-07**	**-1.10E-07**	**7.00E-08**	**-5.00E-08**

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	0.000180	0.000180	0.000170	0.000180	0.000170	N/A	0.000120	0.000093	0.000110	0.000190	0.000110	0.000120
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**	**N/A**	**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	0.000110	0.000120	0.000120	0.000130	0.000140	0.000130	0.000140	0.000130	0.000150	0.000150	0.000150	0.000140
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	**10/07**	**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	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	**10/08**	**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	0.053	0.132	0.132	0.108	0.187	0.350	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**	**0.5**	**1.3**	**1.3**	**1.1**	**1.9**	**3.5**	**0**	**0**	**0**

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 1

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	1.0	0	0	1.0	0	0
Critical hours	1292.3	2184.0	2150.7	2209.0	2159.0	2111.1	1751.7	971.1
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.8**	**1.6**	**0.9**	**1.0**

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	0	0	0	0	0	1.0	0	0
Critical hours	1292.3	2184.0	2150.7	2209.0	2159.0	2111.1	1751.7	971.1
Indicator value	**1.8**	**0.9**	**0.9**	**0**	**0**	**0.8**	**0.9**	**1.0**

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	**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/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Safety System Functional Failures	1	0	1	0	0	2	0	1
Indicator value	**1**	**1**	**2**	**2**	**1**	**3**	**2**	**3**

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. LER 1-09-03: 5/22/2009 Component Cooling System Vulnerability to Tornado Missile Hazard.

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)	3.80E-08	4.00E-08	3.40E-08	8.80E-09	6.80E-08	8.40E-08	9.90E-08	1.10E-07
URI (ΔCDF)	-7.30E-08	-7.20E-08	-1.30E-07	-1.30E-07	-7.10E-08	-9.00E-09	5.30E-08	5.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-08**	**-3.20E-08**	**-9.60E-08**	**-1.21E-07**	**-3.00E-09**	**7.50E-08**	**1.52E-07**	**1.63E-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)	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.70E-09	-2.80E-09	-2.50E-09
URI (ΔCDF)	3.90E-08	3.90E-08	3.90E-08	3.90E-08	3.90E-08	4.00E-08	4.00E-08	3.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.63E-08**	**3.72E-08**	**3.65E-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/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	-1.40E-09	-1.40E-09	9.10E-09	9.10E-09	9.10E-09	-7.90E-09	-7.50E-09	-6.50E-09
URI (ΔCDF)	3.30E-07	3.30E-07	4.40E-07	4.40E-07	4.40E-07	2.40E-07	2.40E-07	2.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.29E-07**	**3.29E-07**	**4.49E-07**	**4.49E-07**	**4.49E-07**	**2.32E-07**	**2.33E-07**	**2.34E-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)	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	4.30E-08	4.10E-08	4.20E-08	4.50E-08
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-9.30E-08	-1.00E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-6.70E-08**	**-5.20E-08**	**-5.80E-08**	**-8.50E-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	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	3.00E-07	2.10E-07	1.60E-07	1.20E-07	3.90E-07	5.70E-07	4.60E-07	3.20E-07
URI (ΔCDF)	-1.10E-07	-1.10E-07	-5.00E-07	-5.00E-07	-5.00E-07	-5.00E-07	-5.10E-07	-5.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.90E-07**	**1.00E-07**	**-3.40E-07**	**-3.80E-07**	**-1.10E-07**	**7.00E-08**	**-5.00E-08**	**-2.00E-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	0.000180	0.000170	N/A	0.000120	0.000093	0.000110	0.000190	0.000110	0.000120	0.000110	0.000120	0.000120
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**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000130	0.000140	0.000130	0.000140	0.000130	0.000150	0.000150	0.000150	0.000140	N/A	N/A	0.000095
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**	**N/A**	**N/A**	**0**

Licensee Comments:

12/09: Unit One entered refueling outage 9/11/09. Unit was shutdown entire month of October. Reactor was brought to criticality in November, however never met reporting requirements (>85%, Steady state power for at least 3 days).

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	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	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum leakage	0.053	0.132	0.132	0.108	0.187	0.350	0	0	0	N/A	0.103	0.129
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	**0.5**	**1.3**	**1.3**	**1.1**	**1.9**	**3.5**	**0**	**0**	**0**	**N/A**	**1.0**	**1.3**

Licensee Comments:

12/09: Unit one was in refueling the entire month of October. RCS leakage survellance requirement was not required per the technical specifications for the given reactor state.

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 1

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	1.0	0	0	1.0	0	0	0
Critical hours	2184.0	2150.7	2209.0	2159.0	2111.1	1751.7	971.1	2159.0
Indicator value	**0**	**0.9**	**0.9**	**0.8**	**1.6**	**0.9**	**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	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2184.0	2150.7	2209.0	2159.0	2111.1	1751.7	971.1	2159.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0.8**	**0.9**	**1.0**	**1.0**

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	2	0	1	1
Indicator value	**1**	**2**	**2**	**1**	**3**	**2**	**3**	**4**

Licensee Comments:

1Q/10: LER 1-09-08 - 2/11/2010 - Unanalyzed Condition due to an Inadequate Fire 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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	4.00E-08	3.40E-08	8.80E-09	6.80E-08	8.40E-08	9.90E-08	1.10E-07	9.94E-08
URI (ΔCDF)	-7.20E-08	-1.30E-07	-1.30E-07	-7.10E-08	-9.00E-09	5.30E-08	5.30E-08	5.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-08**	**-9.60E-08**	**-1.21E-07**	**-3.00E-09**	**7.50E-08**	**1.52E-07**	**1.63E-07**	**1.50E-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)	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.70E-09	-2.80E-09	-2.50E-09	-2.48E-09
URI (ΔCDF)	3.90E-08	3.90E-08	3.90E-08	3.90E-08	4.00E-08	4.00E-08	3.90E-08	3.88E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.63E-08**	**3.72E-08**	**3.65E-08**	**3.60E-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)	-1.40E-09	9.10E-09	9.10E-09	9.10E-09	-7.90E-09	-7.50E-09	-6.50E-09	-2.17E-09
URI (ΔCDF)	3.30E-07	4.40E-07	4.40E-07	4.40E-07	2.40E-07	2.40E-07	2.40E-07	2.35E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.29E-07**	**4.49E-07**	**4.49E-07**	**4.49E-07**	**2.32E-07**	**2.33E-07**	**2.34E-07**	**2.30E-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	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-2.10E-08	-2.10E-08	-2.10E-08	4.30E-08	4.10E-08	4.20E-08	4.50E-08	4.54E-08
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-9.30E-08	-1.00E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.31E-07**	**-1.31E-07**	**-1.31E-07**	**-6.70E-08**	**-5.20E-08**	**-5.80E-08**	**-8.50E-08**	**-8.50E-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)	2.10E-07	1.60E-07	1.20E-07	3.90E-07	5.70E-07	4.60E-07	3.20E-07	9.85E-07
URI (ΔCDF)	-1.10E-07	-5.00E-07	-5.00E-07	-5.00E-07	-5.00E-07	-5.10E-07	-5.20E-07	-5.18E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**-3.40E-07**	**-3.80E-07**	**-1.10E-07**	**7.00E-08**	**-5.00E-08**	**-2.00E-07**	**4.70E-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	0.000120	0.000093	0.000110	0.000190	0.000110	0.000120	0.000110	0.000120	0.000120	0.000130	0.000140	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**	**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	0.000140	0.000130	0.000150	0.000150	0.000150	0.000140	N/A	N/A	0.000095	0.000120	0.000130	0.000112
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**	**N/A**	**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	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	0	0	0	0	0	0.053	0.132	0.132
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**	**1.3**	**1.3**

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	0.108	0.187	0.350	0	0	0	N/A	0.103	0.129	0.074	0.106	0.179
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**	**1.9**	**3.5**	**0**	**0**	**0**	**N/A**	**1.0**	**1.3**	**0.7**	**1.1**	**1.8**

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 1

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	1.0	0	0	1.0	0	0	0	0
Critical hours	2150.7	2209.0	2159.0	2111.1	1751.7	971.1	2159.0	2184.0
Indicator value	**0.9**	**0.9**	**0.8**	**1.6**	**0.9**	**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	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	2150.7	2209.0	2159.0	2111.1	1751.7	971.1	2159.0	2184.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

2Q/09: U1-May 09 Reactor Trip (12 CWP) was incorrectly counted as a unplanned power change, not excluded per NEI 99-02. NEI 99-02 states scrams do not count as unplanned power changes.

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	2	0	1	1	0
Indicator value	**2**	**2**	**1**	**3**	**2**	**3**	**4**	**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/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	3.40E-08	8.80E-09	6.80E-08	8.40E-08	9.90E-08	1.10E-07	9.94E-08	9.81E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-7.10E-08	-9.00E-09	5.30E-08	5.30E-08	5.30E-08	5.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.60E-08**	**-1.21E-07**	**-3.00E-09**	**7.50E-08**	**1.52E-07**	**1.63E-07**	**1.50E-07**	**1.50E-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/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	-3.60E-09	-3.60E-09	-3.60E-09	-3.70E-09	-2.80E-09	-2.50E-09	-2.48E-09	-4.11E-09
URI (ΔCDF)	3.90E-08	3.90E-08	3.90E-08	4.00E-08	4.00E-08	3.90E-08	3.88E-08	-1.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.54E-08**	**3.54E-08**	**3.54E-08**	**3.63E-08**	**3.72E-08**	**3.65E-08**	**3.60E-08**	**-1.50E-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/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	9.10E-09	9.10E-09	9.10E-09	-7.90E-09	-7.50E-09	-6.50E-09	-2.17E-09	1.59E-08
URI (ΔCDF)	4.40E-07	4.40E-07	4.40E-07	2.40E-07	2.40E-07	2.40E-07	2.35E-07	2.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.49E-07**	**4.49E-07**	**4.49E-07**	**2.32E-07**	**2.33E-07**	**2.34E-07**	**2.30E-07**	**2.50E-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)	-2.10E-08	-2.10E-08	4.30E-08	4.10E-08	4.20E-08	4.50E-08	4.54E-08	4.51E-08
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-9.30E-08	-1.00E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.31E-07**	**-1.31E-07**	**-6.70E-08**	**-5.20E-08**	**-5.80E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-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	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	1.60E-07	1.20E-07	3.90E-07	5.70E-07	4.60E-07	3.20E-07	9.85E-07	1.05E-06
URI (ΔCDF)	-5.00E-07	-5.00E-07	-5.00E-07	-5.00E-07	-5.10E-07	-5.20E-07	-5.18E-07	-5.11E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-07**	**-3.80E-07**	**-1.10E-07**	**7.00E-08**	**-5.00E-08**	**-2.00E-07**	**4.70E-07**	**5.40E-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	0.000190	0.000110	0.000120	0.000110	0.000120	0.000120	0.000130	0.000140	0.000130	0.000140	0.000130	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**	**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	0.000150	0.000150	0.000140	N/A	N/A	0.000095	0.000120	0.000130	0.000112	0.000099	0.000112	0.000110
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**	**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	**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	0	0	0	0	0	0.053	0.132	0.132	0.108	0.187	0.350
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**	**1.3**	**1.3**	**1.1**	**1.9**	**3.5**
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	0	0	N/A	0.103	0.129	0.074	0.106	0.179	0.084	0.111	0.092
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**	**N/A**	**1.0**	**1.3**	**0.7**	**1.1**	**1.8**	**0.8**	**1.1**	**0.9**

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 1

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	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	2159.0	2111.1	1751.7	971.1	2159.0	2184.0	2208.0
Indicator value	**0.9**	**0.8**	**1.6**	**0.9**	**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	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	2209.0	2159.0	2111.1	1751.7	971.1	2159.0	2184.0	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/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	2	0	1	1	0	1
Indicator value	**2**	**1**	**3**	**2**	**3**	**4**	**2**	**3**

Licensee Comments:

3Q/10: 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)	8.80E-09	6.80E-08	8.40E-08	9.90E-08	1.10E-07	9.94E-08	9.81E-08	9.43E-08
URI (ΔCDF)	-1.30E-07	-7.10E-08	-9.00E-09	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.21E-07**	**-3.00E-09**	**7.50E-08**	**1.52E-07**	**1.63E-07**	**1.50E-07**	**1.50E-07**	**1.50E-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/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-3.60E-09	-3.60E-09	-3.70E-09	-2.80E-09	-2.50E-09	-2.48E-09	-4.11E-09	-4.82E-09
URI (ΔCDF)	3.90E-08	3.90E-08	4.00E-08	4.00E-08	3.90E-08	3.88E-08	-1.14E-08	-1.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.54E-08**	**3.54E-08**	**3.63E-08**	**3.72E-08**	**3.65E-08**	**3.60E-08**	**-1.50E-08**	**-1.60E-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)	9.10E-09	9.10E-09	-7.90E-09	-7.50E-09	-6.50E-09	-2.17E-09	1.59E-08	1.61E-08
URI (ΔCDF)	4.40E-07	4.40E-07	2.40E-07	2.40E-07	2.40E-07	2.35E-07	2.37E-07	2.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.49E-07**	**4.49E-07**	**2.32E-07**	**2.33E-07**	**2.34E-07**	**2.30E-07**	**2.50E-07**	**2.50E-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)	-2.10E-08	4.30E-08	4.10E-08	4.20E-08	4.50E-08	4.54E-08	4.51E-08	4.51E-08
URI (ΔCDF)	-1.10E-07	-1.10E-07	-9.30E-08	-1.00E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.31E-07**	**-6.70E-08**	**-5.20E-08**	**-5.80E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-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	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	1.20E-07	3.90E-07	5.66E-07	4.60E-07	3.20E-07	9.85E-07	1.05E-06	1.35E-06
URI (ΔCDF)	-5.00E-07	-5.00E-07	-4.98E-07	-5.10E-07	-5.20E-07	-5.18E-07	-5.11E-07	-4.86E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-07**	**-1.10E-07**	**6.90E-08**	**-5.00E-08**	**-2.00E-07**	**4.70E-07**	**5.40E-07**	**8.60E-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	0.000110	0.000120	0.000120	0.000130	0.000140	0.000130	0.000140	0.000130	0.000150	0.000150	0.000150	0.000140
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	**0**	**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	N/A	N/A	0.000095	0.000120	0.000130	0.000112	0.000099	0.000112	0.000110	0.000118	0.000132	0.000120
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

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	0.053	0.132	0.132	0.108	0.187	0.350	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**	**0.5**	**1.3**	**1.3**	**1.1**	**1.9**	**3.5**	**0**	**0**	**0**
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	N/A	0.103	0.129	0.074	0.106	0.179	0.084	0.111	0.092	0.096	0.145	0.470
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	**N/A**	**1.0**	**1.3**	**0.7**	**1.1**	**1.8**	**0.8**	**1.1**	**0.9**	**1.0**	**1.5**	**4.7**

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 1

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	1.0	0	0	0	0	0	0
Critical hours	2159.0	2111.1	1751.7	971.1	2159.0	2184.0	2208.0	2209.0
Indicator value	**0.8**	**1.6**	**0.9**	**1.0**	**1.0**	**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/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	2111.1	1751.7	971.1	2159.0	2184.0	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/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	2	0	0	1	0	1	0
Indicator value	**1**	**3**	**2**	**2**	**3**	**1**	**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)	6.80E-08	8.40E-08	9.90E-08	1.10E-07	9.94E-08	9.81E-08	9.43E-08	6.56E-08
URI (ΔCDF)	-7.10E-08	-9.00E-09	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-09**	**7.50E-08**	**1.52E-07**	**1.63E-07**	**1.50E-07**	**1.50E-07**	**1.50E-07**	**1.20E-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	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	-3.60E-09	-3.70E-09	-2.80E-09	-2.50E-09	-2.48E-09	-4.11E-09	-4.82E-09	-4.83E-09
URI (ΔCDF)	3.90E-08	4.00E-08	4.00E-08	3.90E-08	3.88E-08	-1.14E-08	-1.14E-08	-1.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.54E-08**	**3.63E-08**	**3.72E-08**	**3.65E-08**	**3.60E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-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/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	9.10E-09	-7.90E-09	-7.50E-09	-6.50E-09	-2.17E-09	1.59E-08	1.61E-08	1.64E-08
URI (ΔCDF)	4.40E-07	2.40E-07	2.40E-07	2.40E-07	2.35E-07	2.37E-07	2.37E-07	2.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.49E-07**	**2.32E-07**	**2.33E-07**	**2.34E-07**	**2.30E-07**	**2.50E-07**	**2.50E-07**	**2.50E-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)	4.30E-08	4.10E-08	4.20E-08	4.50E-08	4.54E-08	4.51E-08	4.51E-08	4.49E-08
URI (ΔCDF)	-1.10E-07	-9.30E-08	-1.00E-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	**-6.70E-08**	**-5.20E-08**	**-5.80E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-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	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	3.90E-07	5.66E-07	4.60E-07	3.20E-07	9.85E-07	1.05E-06	1.35E-06	1.06E-06
URI (ΔCDF)	-5.00E-07	-4.98E-07	-5.10E-07	-5.20E-07	-5.18E-07	-5.11E-07	-4.86E-07	-4.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**6.90E-08**	**-5.00E-08**	**-2.00E-07**	**4.70E-07**	**5.40E-07**	**8.60E-07**	**5.80E-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	0.000130	0.000140	0.000130	0.000140	0.000130	0.000150	0.000150	0.000150	0.000140	N/A	N/A	0.000095
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**	**N/A**	**N/A**	**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	0.000120	0.000130	0.000112	0.000099	0.000112	0.000110	0.000118	0.000132	0.000120	0.000134	0.000133	0.000130
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	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum leakage	0.053	0.132	0.132	0.108	0.187	0.350	0	0	0	N/A	0.103	0.129
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	**0.5**	**1.3**	**1.3**	**1.1**	**1.9**	**3.5**	**0**	**0**	**0**	**N/A**	**1.0**	**1.3**

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	0.074	0.106	0.179	0.084	0.111	0.092	0.096	0.145	0.470	0.009	0.008	0.011
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**	**1.1**	**1.8**	**0.8**	**1.1**	**0.9**	**1.0**	**1.5**	**4.7**	**0.1**	**0.1**	**0.1**

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 1

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	1.0	0	0	0	0	0	0	0
Critical hours	2111.1	1751.7	971.1	2159.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**1.6**	**0.9**	**1.0**	**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	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	2111.1	1751.7	971.1	2159.0	2184.0	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	2	0	1	1	0	1	0	1
Indicator value	**3**	**2**	**3**	**4**	**2**	**3**	**2**	**2**

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)	8.40E-08	9.90E-08	1.10E-07	9.94E-08	9.81E-08	9.43E-08	6.56E-08	5.54E-08
URI (ΔCDF)	-9.00E-09	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.50E-08**	**1.52E-07**	**1.63E-07**	**1.50E-07**	**1.50E-07**	**1.50E-07**	**1.20E-07**	**1.10E-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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	-3.70E-09	-2.80E-09	-2.50E-09	-2.48E-09	-4.11E-09	-4.82E-09	-4.83E-09	-2.50E-09
URI (ΔCDF)	4.00E-08	4.00E-08	3.90E-08	3.88E-08	-1.14E-08	-1.14E-08	-1.14E-08	-1.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.63E-08**	**3.72E-08**	**3.65E-08**	**3.60E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-1.30E-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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	-7.90E-09	-7.50E-09	-6.50E-09	-2.17E-09	1.59E-08	1.61E-08	1.64E-08	5.11E-09
URI (ΔCDF)	2.40E-07	2.40E-07	2.40E-07	2.35E-07	2.37E-07	2.37E-07	2.37E-07	3.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.32E-07**	**2.33E-07**	**2.34E-07**	**2.30E-07**	**2.50E-07**	**2.50E-07**	**2.50E-07**	**3.60E-08**

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)	4.10E-08	4.20E-08	4.50E-08	4.54E-08	4.51E-08	4.51E-08	4.49E-08	4.26E-08
URI (ΔCDF)	-9.30E-08	-1.00E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.01E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.20E-08**	**-5.80E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-5.90E-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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	5.66E-07	4.60E-07	3.20E-07	9.85E-07	1.05E-06	1.35E-06	1.06E-06	1.05E-06
URI (ΔCDF)	-4.98E-07	-5.10E-07	-5.20E-07	-5.18E-07	-5.11E-07	-4.86E-07	-4.83E-07	-4.76E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.90E-08**	**-5.00E-08**	**-2.00E-07**	**4.70E-07**	**5.40E-07**	**8.60E-07**	**5.80E-07**	**5.70E-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	0.000140	0.000130	0.000150	0.000150	0.000150	0.000140	N/A	N/A	0.000095	0.000120	0.000130	0.000112
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**	**N/A**	**N/A**	**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	0.000099	0.000112	0.000110	0.000118	0.000132	0.000120	0.000134	0.000133	0.000130	0.000138	0.000142	0.000139
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	**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	0.108	0.187	0.350	0	0	0	N/A	0.103	0.129	0.074	0.106	0.179
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**	**1.9**	**3.5**	**0**	**0**	**0**	**N/A**	**1.0**	**1.3**	**0.7**	**1.1**	**1.8**
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	0.084	0.111	0.092	0.096	0.145	0.470	0.009	0.008	0.011	0.011	0.083	0.124
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	**0.8**	**1.1**	**0.9**	**1.0**	**1.5**	**4.7**	**0.1**	**0.1**	**0.1**	**0.1**	**0.8**	**1.2**

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

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:

4Q/10: Error was discovered in 4th quarter data. Two individuals were removed from one part of the SS/SM/STA section of spreadsheet but not the other.

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 1

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	0	0	0	0	0
Critical hours	1751.7	971.1	2159.0	2184.0	2208.0	2209.0	2159.0	1194.7
Indicator value	**0.9**	**1.0**	**1.0**	**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/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	1751.7	971.1	2159.0	2184.0	2208.0	2209.0	2159.0	1194.7
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	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	1	0	1	0	1	0
Indicator value	**2**	**3**	**4**	**2**	**3**	**2**	**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	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	9.90E-08	1.10E-07	9.94E-08	9.81E-08	9.43E-08	6.56E-08	5.54E-08	6.75E-08
URI (ΔCDF)	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.52E-07**	**1.63E-07**	**1.50E-07**	**1.50E-07**	**1.50E-07**	**1.20E-07**	**1.10E-07**	**1.20E-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	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-2.80E-09	-2.50E-09	-2.48E-09	-4.11E-09	-4.82E-09	-4.83E-09	-2.50E-09	-2.17E-09
URI (ΔCDF)	4.00E-08	3.90E-08	3.88E-08	-1.14E-08	-1.14E-08	-1.14E-08	-1.07E-08	-1.12E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.72E-08**	**3.65E-08**	**3.60E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-1.30E-08**	**-1.30E-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/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-7.50E-09	-6.50E-09	-2.17E-09	1.59E-08	1.61E-08	1.64E-08	5.11E-09	1.05E-08
URI (ΔCDF)	2.40E-07	2.40E-07	2.35E-07	2.37E-07	2.37E-07	2.37E-07	3.13E-08	2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.33E-07**	**2.34E-07**	**2.30E-07**	**2.50E-07**	**2.50E-07**	**2.50E-07**	**3.60E-08**	**3.90E-08**

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)	4.20E-08	4.50E-08	4.54E-08	4.51E-08	4.51E-08	4.49E-08	4.26E-08	4.52E-08
URI (ΔCDF)	-1.00E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.01E-07	-1.34E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.80E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-5.90E-08**	**-8.90E-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	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	4.60E-07	3.20E-07	9.85E-07	1.05E-06	1.35E-06	1.06E-06	1.05E-06	1.14E-06
URI (ΔCDF)	-5.10E-07	-5.20E-07	-5.18E-07	-5.11E-07	-4.86E-07	-4.83E-07	-4.76E-07	-4.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.00E-08**	**-2.00E-07**	**4.70E-07**	**5.40E-07**	**8.60E-07**	**5.80E-07**	**5.70E-07**	**6.60E-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	0.000150	0.000150	0.000140	N/A	N/A	0.000095	0.000120	0.000130	0.000112	0.000099	0.000112	0.000110
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**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000118	0.000132	0.000120	0.000134	0.000133	0.000130	0.000138	0.000142	0.000139	0.000144	N/A	0.000086
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	**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	0	0	N/A	0.103	0.129	0.074	0.106	0.179	0.084	0.111	0.092
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**	**N/A**	**1.0**	**1.3**	**0.7**	**1.1**	**1.8**	**0.8**	**1.1**	**0.9**
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	0.096	0.145	0.470	0.009	0.008	0.011	0.011	0.083	0.124	0.040	N/A	0.010
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**	**1.5**	**4.7**	**0.1**	**0.1**	**0.1**	**0.1**	**0.8**	**1.2**	**0.4**	**N/A**	**0.1**

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 1

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	0	0	0	0	0	1.0
Critical hours	971.1	2159.0	2184.0	2208.0	2209.0	2159.0	1194.7	2183.9
Indicator value	**1.0**	**1.0**	**0**	**0**	**0**	**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	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	1.0
Critical hours	971.1	2159.0	2184.0	2208.0	2209.0	2159.0	1194.7	2183.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

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	1	0	1	0	1	0	0
Indicator value	**3**	**4**	**2**	**3**	**2**	**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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	1.10E-07	9.94E-08	9.81E-08	9.43E-08	6.56E-08	5.54E-08	6.75E-08	6.90E-08
URI (ΔCDF)	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.63E-07**	**1.50E-07**	**1.50E-07**	**1.50E-07**	**1.20E-07**	**1.10E-07**	**1.20E-07**	**1.20E-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	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-2.50E-09	-2.48E-09	-4.11E-09	-4.82E-09	-4.83E-09	-2.50E-09	-2.17E-09	-2.17E-09
URI (ΔCDF)	3.90E-08	3.88E-08	-1.14E-08	-1.14E-08	-1.14E-08	-1.07E-08	-1.12E-08	-1.12E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.65E-08**	**3.60E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-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/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-6.50E-09	-2.17E-09	1.59E-08	1.61E-08	1.64E-08	5.11E-09	1.05E-08	-1.47E-09
URI (ΔCDF)	2.40E-07	2.35E-07	2.37E-07	2.37E-07	2.37E-07	3.13E-08	2.90E-08	-7.77E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.34E-07**	**2.30E-07**	**2.50E-07**	**2.50E-07**	**2.50E-07**	**3.60E-08**	**3.90E-08**	**-7.90E-08**

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)	4.50E-08	4.54E-08	4.51E-08	4.51E-08	4.49E-08	4.26E-08	4.52E-08	4.51E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.01E-07	-1.34E-07	-1.34E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-5.90E-08**	**-8.90E-08**	**-8.90E-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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	3.20E-07	9.85E-07	1.05E-06	1.35E-06	1.06E-06	1.05E-06	1.14E-06	1.17E-06
URI (ΔCDF)	-5.20E-07	-5.18E-07	-5.11E-07	-4.86E-07	-4.83E-07	-4.76E-07	-4.83E-07	-4.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-07**	**4.70E-07**	**5.40E-07**	**8.60E-07**	**5.80E-07**	**5.70E-07**	**6.60E-07**	**6.90E-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	N/A	N/A	0.000095	0.000120	0.000130	0.000112	0.000099	0.000112	0.000110	0.000118	0.000132	0.000120
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	**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	0.000134	0.000133	0.000130	0.000138	0.000142	0.000139	0.000144	N/A	0.000086	0.000178	0.000095	0.000100
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	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	N/A	0.103	0.129	0.074	0.106	0.179	0.084	0.111	0.092	0.096	0.145	0.470
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	**N/A**	**1.0**	**1.3**	**0.7**	**1.1**	**1.8**	**0.8**	**1.1**	**0.9**	**1.0**	**1.5**	**4.7**
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	0.009	0.008	0.011	0.011	0.083	0.124	0.040	N/A	0.010	0.007	0.037	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	**0.1**	**0.1**	**0.1**	**0.1**	**0.8**	**1.2**	**0.4**	**N/A**	**0.1**	**0.1**	**0.4**	**0.3**

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 a 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 1

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	0	0	0	0	0	1.0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2159.0	1194.7	2183.9	2209.0
Indicator value	**1.0**	**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	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	1.0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2159.0	1194.7	2183.9	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

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	1	0	1	0	1	0	0	0
Indicator value	**4**	**2**	**3**	**2**	**2**	**2**	**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/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	9.94E-08	9.81E-08	9.43E-08	6.56E-08	5.54E-08	6.75E-08	6.90E-08	3.63E-07
URI (ΔCDF)	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	3.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-07**	**1.50E-07**	**1.50E-07**	**1.20E-07**	**1.10E-07**	**1.20E-07**	**1.20E-07**	**7.00E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	-2.48E-09	-4.11E-09	-4.82E-09	-4.83E-09	-2.50E-09	-2.17E-09	-2.17E-09	-3.63E-09
URI (ΔCDF)	3.88E-08	-1.14E-08	-1.14E-08	-1.14E-08	-1.07E-08	-1.12E-08	-1.12E-08	-2.42E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-2.80E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	-2.17E-09	1.59E-08	1.61E-08	1.64E-08	5.11E-09	1.05E-08	-1.47E-09	3.39E-08
URI (ΔCDF)	2.35E-07	2.37E-07	2.37E-07	2.37E-07	3.13E-08	2.90E-08	-7.77E-08	-1.45E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.30E-07**	**2.50E-07**	**2.50E-07**	**2.50E-07**	**3.60E-08**	**3.90E-08**	**-7.90E-08**	**-1.10E-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)	4.54E-08	4.51E-08	4.51E-08	4.49E-08	4.26E-08	4.52E-08	4.51E-08	6.32E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.01E-07	-1.34E-07	-1.34E-07	-1.39E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-5.90E-08**	**-8.90E-08**	**-8.90E-08**	**-7.50E-08**

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)	9.85E-07	1.05E-06	1.35E-06	1.06E-06	1.05E-06	1.14E-06	1.17E-06	6.85E-07
URI (ΔCDF)	-5.18E-07	-5.11E-07	-4.86E-07	-4.83E-07	-4.76E-07	-4.83E-07	-4.83E-07	-4.15E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.70E-07**	**5.40E-07**	**8.60E-07**	**5.80E-07**	**5.70E-07**	**6.60E-07**	**6.90E-07**	**2.70E-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	**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	0.000120	0.000130	0.000112	0.000099	0.000112	0.000110	0.000118	0.000132	0.000120	0.000134	0.000133	0.000130
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	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum activity	0.000138	0.000142	0.000139	0.000144	N/A	0.000086	0.000178	0.000095	0.000100	0.000110	0.000104	0.000111
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	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum leakage	0.074	0.106	0.179	0.084	0.111	0.092	0.096	0.145	0.470	0.009	0.008	0.011
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**	**1.1**	**1.8**	**0.8**	**1.1**	**0.9**	**1.0**	**1.5**	**4.7**	**0.1**	**0.1**	**0.1**
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	0.011	0.083	0.124	0.040	N/A	0.010	0.007	0.037	0.025	0.042	0.036	0.007
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**	**0.8**	**1.2**	**0.4**	**N/A**	**0.1**	**0.1**	**0.4**	**0.3**	**0.4**	**0.4**	**0.1**

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 1

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	0	0	0	0	0	1.0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1194.7	2183.9	2209.0	2183.0
Indicator value	**0**	**0**	**0**	**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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1194.7	2183.9	2209.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

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	1	0	1	0	0	0	0
Indicator value	**2**	**3**	**2**	**2**	**2**	**1**	**1**	**0**

Licensee Comments:

1Q/11: LER 50-282/2010-004-00 - 1/28/2011 - Battery Charger Inoperability due to Potential Undervoltage Conditions

3Q/10: 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)	9.81E-08	9.43E-08	6.56E-08	5.54E-08	6.75E-08	6.90E-08	3.63E-07	9.76E-08
URI (ΔCDF)	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	3.40E-07	-2.39E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-07**	**1.50E-07**	**1.20E-07**	**1.10E-07**	**1.20E-07**	**1.20E-07**	**7.00E-07**	**7.40E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	-4.11E-09	-4.82E-09	-4.83E-09	-2.50E-09	-2.17E-09	-2.17E-09	-3.63E-09	-9.25E-10
URI (ΔCDF)	-1.14E-08	-1.14E-08	-1.14E-08	-1.07E-08	-1.12E-08	-1.12E-08	-2.42E-08	-2.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-2.80E-08**	**-2.50E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	1.59E-08	1.61E-08	1.64E-08	5.11E-09	1.05E-08	-1.47E-09	3.39E-08	3.42E-08
URI (ΔCDF)	2.37E-07	2.37E-07	2.37E-07	3.13E-08	2.90E-08	-7.77E-08	-1.45E-07	-1.45E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-07**	**2.50E-07**	**2.50E-07**	**3.60E-08**	**3.90E-08**	**-7.90E-08**	**-1.10E-07**	**-1.10E-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)	4.51E-08	4.51E-08	4.49E-08	4.26E-08	4.52E-08	4.51E-08	6.32E-08	-2.68E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.01E-07	-1.34E-07	-1.34E-07	-1.39E-07	-1.39E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-8.50E-08**	**-8.50E-08**	**-5.90E-08**	**-8.90E-08**	**-8.90E-08**	**-7.50E-08**	**-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)	1.05E-06	1.35E-06	1.06E-06	1.05E-06	1.14E-06	1.17E-06	6.85E-07	6.94E-07
URI (ΔCDF)	-5.11E-07	-4.86E-07	-4.83E-07	-4.76E-07	-4.83E-07	-4.83E-07	-4.15E-07	-4.12E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.40E-07**	**8.60E-07**	**5.80E-07**	**5.70E-07**	**6.60E-07**	**6.90E-07**	**2.70E-07**	**2.80E-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	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000099	0.000112	0.000110	0.000118	0.000132	0.000120	0.000134	0.000133	0.000130	0.000138	0.000142	0.000139
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	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.000144	N/A	0.000086	0.000178	0.000095	0.000100	0.000110	0.000104	0.000111	0.000158	0.000116	0.000172
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	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum leakage	0.084	0.111	0.092	0.096	0.145	0.470	0.009	0.008	0.011	0.011	0.083	0.124
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	**0.8**	**1.1**	**0.9**	**1.0**	**1.5**	**4.7**	**0.1**	**0.1**	**0.1**	**0.1**	**0.8**	**1.2**
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	0.040	N/A	0.010	0.007	0.037	0.025	0.042	0.036	0.007	0.093	0.163	0.163
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**	**N/A**	**0.1**	**0.1**	**0.4**	**0.3**	**0.4**	**0.4**	**0.1**	**0.9**	**1.6**	**1.6**

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 a 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:

4Q/10: Error was discovered in 4th quarter data. Two individuals were removed from one part of the SS/SM/STA section of spreadsheet but not the other.

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 1

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	0	1.0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1194.7	2183.9	2209.0	2183.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1194.7	2183.9	2209.0	2183.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**

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	1	0	1	0	0	0	0	2
Indicator value	**3**	**2**	**2**	**2**	**1**	**1**	**0**	**2**

Licensee Comments:

2Q/12: LER# 50-282/2012-001-00, Non-Conservative Calculation of Diesel Fuel Storage Requirements. SSFF for Unit 1 - reported as 2 SSFF's due to the time between issues. Additional engineering evaluation will be done to determine if one SSFF can be retracted.

1Q/11: LER 50-282/2010-004-00 - 1/28/2011 - Battery Charger Inoperability due to Potential Undervoltage Conditions

3Q/10: 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)	9.43E-08	6.56E-08	5.54E-08	6.75E-08	6.90E-08	3.63E-07	9.76E-08	3.07E-09
URI (ΔCDF)	5.30E-08	5.30E-08	5.30E-08	5.30E-08	5.30E-08	3.40E-07	-2.39E-08	-3.88E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-07**	**1.20E-07**	**1.10E-07**	**1.20E-07**	**1.20E-07**	**7.00E-07**	**7.40E-08**	**-3.80E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	-4.82E-09	-4.83E-09	-2.50E-09	-2.17E-09	-2.17E-09	-3.63E-09	-9.25E-10	1.91E-08
URI (ΔCDF)	-1.14E-08	-1.14E-08	-1.07E-08	-1.12E-08	-1.12E-08	-2.42E-08	-2.45E-08	-2.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.60E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-2.80E-08**	**-2.50E-08**	**-6.30E-09**

Licensee Comments:

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	1.61E-08	1.64E-08	5.11E-09	1.05E-08	-1.47E-09	3.39E-08	3.42E-08	3.23E-08
URI (ΔCDF)	2.37E-07	2.37E-07	3.13E-08	2.90E-08	-7.77E-08	-1.45E-07	-1.45E-07	1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-07**	**2.50E-07**	**3.60E-08**	**3.90E-08**	**-7.90E-08**	**-1.10E-07**	**-1.10E-07**	**1.40E-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)	4.51E-08	4.49E-08	4.26E-08	4.52E-08	4.51E-08	6.32E-08	-2.68E-08	-2.68E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.01E-07	-1.34E-07	-1.34E-07	-1.39E-07	-1.39E-07	-1.39E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-8.50E-08**	**-5.90E-08**	**-8.90E-08**	**-8.90E-08**	**-7.50E-08**	**-1.70E-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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	1.35E-06	1.06E-06	1.05E-06	1.14E-06	1.17E-06	6.85E-07	6.94E-07	8.31E-07
URI (ΔCDF)	-4.86E-07	-4.83E-07	-4.76E-07	-4.83E-07	-4.83E-07	-4.15E-07	-4.12E-07	-4.03E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.60E-07**	**5.80E-07**	**5.70E-07**	**6.60E-07**	**6.90E-07**	**2.70E-07**	**2.80E-07**	**4.30E-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	**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	0.000118	0.000132	0.000120	0.000134	0.000133	0.000130	0.000138	0.000142	0.000139	0.000144	N/A	0.000086
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	**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	0.000178	0.000095	0.000100	0.000110	0.000104	0.000111	0.000158	0.000116	0.000172	0.000106	0.000116	0.000123
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	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum leakage	0.096	0.145	0.470	0.009	0.008	0.011	0.011	0.083	0.124	0.040	N/A	0.010
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**	**1.5**	**4.7**	**0.1**	**0.1**	**0.1**	**0.1**	**0.8**	**1.2**	**0.4**	**N/A**	**0.1**
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	0.007	0.037	0.025	0.042	0.036	0.007	0.093	0.163	0.163	0.198	0.228	0.108
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**	**0.4**	**0.3**	**0.4**	**0.4**	**0.1**	**0.9**	**1.6**	**1.6**	**2.0**	**2.3**	**1.1**

Licensee Comments: none

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.

4Q/10: Error was discovered in 4th quarter 2010 data. DEP credit was taken for a 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:

4Q/10: Error was discovered in 4th quarter data. Two individuals were removed from one part of the SS/SM/STA section of spreadsheet but not the other.

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 1

3Q/2012 Performance Indicators

Licensee's General Comments: none

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	0	1.0	0	0	0	1.0
Critical hours	2209.0	2159.0	1194.7	2183.9	2209.0	2183.0	2184.0	2095.9
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**

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	1.0	0	0	0	1.0
Critical hours	2209.0	2159.0	1194.7	2183.9	2209.0	2183.0	2184.0	2095.9
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**

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	1.0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**

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	0	0	0	0	2	1
Indicator value	**2**	**2**	**2**	**1**	**1**	**0**	**2**	**3**

Licensee Comments:

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures.

2Q/12: LER# 50-282/2012-001-00, Non-Conservative Calculation of Diesel Fuel Storage Requirements. SSFF for Unit 1 - reported as 2 SSFF's due to the time between issues. Additional engineering evaluation will be done to determine if one SSFF can be retracted.

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)	6.56E-08	5.54E-08	6.75E-08	6.90E-08	3.63E-07	9.76E-08	3.07E-09	-5.32E-08
URI (ΔCDF)	5.30E-08	5.30E-08	5.30E-08	5.30E-08	3.40E-07	-2.39E-08	-3.88E-07	-7.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.10E-07**	**1.20E-07**	**1.20E-07**	**7.00E-07**	**7.40E-08**	**-3.80E-07**	**-8.10E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	-4.83E-09	-2.50E-09	-2.17E-09	-2.17E-09	-3.63E-09	-9.25E-10	1.91E-08	1.09E-08
URI (ΔCDF)	-1.14E-08	-1.07E-08	-1.12E-08	-1.12E-08	-2.42E-08	-2.45E-08	-2.54E-08	-2.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-2.80E-08**	**-2.50E-08**	**-6.30E-09**	**-1.50E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	1.64E-08	5.11E-09	1.05E-08	-1.47E-09	3.39E-08	3.42E-08	3.23E-08	3.06E-08
URI (ΔCDF)	2.37E-07	3.13E-08	2.90E-08	-7.77E-08	-1.45E-07	-1.45E-07	1.08E-07	1.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-07**	**3.60E-08**	**3.90E-08**	**-7.90E-08**	**-1.10E-07**	**-1.10E-07**	**1.40E-07**	**1.40E-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)	4.49E-08	4.26E-08	4.52E-08	4.51E-08	6.32E-08	-2.68E-08	-2.68E-08	-2.68E-08
URI (ΔCDF)	-1.30E-07	-1.01E-07	-1.34E-07	-1.34E-07	-1.39E-07	-1.39E-07	-1.39E-07	-1.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-5.90E-08**	**-8.90E-08**	**-8.90E-08**	**-7.50E-08**	**-1.70E-07**	**-1.70E-07**	**-1.60E-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)	1.06E-06	1.05E-06	1.14E-06	1.17E-06	6.85E-07	6.94E-07	8.31E-07	7.91E-07
URI (ΔCDF)	-4.83E-07	-4.76E-07	-4.83E-07	-4.83E-07	-4.15E-07	-4.12E-07	-4.03E-07	-3.95E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.80E-07**	**5.70E-07**	**6.60E-07**	**6.90E-07**	**2.70E-07**	**2.80E-07**	**4.30E-07**	**4.00E-07**

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	0.000134	0.000133	0.000130	0.000138	0.000142	0.000139	0.000144	N/A	0.000086	0.000178	0.000095	0.000100
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	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum activity	0.000110	0.000104	0.000111	0.000158	0.000116	0.000172	0.000106	0.000116	0.000123	0.000126	0.000118	0.000124
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	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	0.009	0.008	0.011	0.011	0.083	0.124	0.040	N/A	0.010	0.007	0.037	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	**0.1**	**0.1**	**0.1**	**0.1**	**0.8**	**1.2**	**0.4**	**N/A**	**0.1**	**0.1**	**0.4**	**0.3**
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	0.042	0.036	0.007	0.093	0.163	0.163	0.198	0.228	0.108	0.130	0.167	0.167
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**	**0.4**	**0.1**	**0.9**	**1.6**	**1.6**	**2.0**	**2.3**	**1.1**	**1.3**	**1.7**	**1.7**

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.

4Q/10: Error was discovered in 4th quarter 2010 data. DEP credit was taken for a 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:

4Q/10: Error was discovered in 4th quarter data. Two individuals were removed from one part of the SS/SM/STA section of spreadsheet but not the other.

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 1

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	0	1.0	0	0	0	1.0	0
Critical hours	2159.0	1194.7	2183.9	2209.0	2183.0	2184.0	2095.9	533.8
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

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	1.0	0	0	0	1.0	0
Critical hours	2159.0	1194.7	2183.9	2209.0	2183.0	2184.0	2095.9	533.8
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.0**

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	1.0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**

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	0	0	0	0	2	0	1
Indicator value	**2**	**2**	**1**	**1**	**0**	**2**	**2**	**3**

Licensee Comments:

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures. This LER was retracted on 12/13/12.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures.

2Q/12: LER# 50-282/2012-001-00, Non-Conservative Calculation of Diesel Fuel Storage Requirements. SSFF for Unit 1 - reported as 2 SSFF's due to the time between issues. Additional engineering evaluation will be done to determine if one SSFF can be retracted.

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)	5.54E-08	6.75E-08	6.90E-08	3.63E-07	9.76E-08	3.07E-09	-5.32E-08	-5.27E-08
URI (ΔCDF)	5.30E-08	5.30E-08	5.30E-08	3.40E-07	-2.39E-08	-3.88E-07	-7.52E-07	-3.72E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**1.20E-07**	**1.20E-07**	**7.00E-07**	**7.40E-08**	**-3.80E-07**	**-8.10E-07**	**-4.20E-07**

Licensee Comments:

4Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

3Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	-2.50E-09	-2.17E-09	-2.17E-09	-3.63E-09	-9.25E-10	1.91E-08	1.09E-08	1.16E-08
URI (ΔCDF)	-1.07E-08	-1.12E-08	-1.12E-08	-2.42E-08	-2.45E-08	-2.54E-08	-2.57E-08	-2.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-2.80E-08**	**-2.50E-08**	**-6.30E-09**	**-1.50E-08**	**-1.60E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	5.11E-09	1.05E-08	-1.47E-09	3.39E-08	3.42E-08	3.23E-08	3.06E-08	2.97E-08
URI (ΔCDF)	3.13E-08	2.90E-08	-7.77E-08	-1.45E-07	-1.45E-07	1.08E-07	1.06E-07	1.01E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-08**	**3.90E-08**	**-7.90E-08**	**-1.10E-07**	**-1.10E-07**	**1.40E-07**	**1.40E-07**	**1.30E-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)	4.26E-08	4.52E-08	4.51E-08	6.32E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.68E-08
URI (ΔCDF)	-1.01E-07	-1.34E-07	-1.34E-07	-1.39E-07	-1.39E-07	-1.39E-07	-1.31E-07	-1.35E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-08**	**-8.90E-08**	**-8.90E-08**	**-7.50E-08**	**-1.70E-07**	**-1.70E-07**	**-1.60E-07**	**-1.60E-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)	1.05E-06	1.15E-06	1.18E-06	6.93E-07	6.98E-07	8.36E-07	7.97E-07	8.66E-07
URI (ΔCDF)	-4.76E-07	-4.83E-07	-4.83E-07	-4.15E-07	-4.12E-07	-4.03E-07	-3.95E-07	-4.05E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.80E-07**	**6.70E-07**	**6.90E-07**	**2.80E-07**	**2.90E-07**	**4.30E-07**	**4.00E-07**	**4.60E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

2Q/11: Revised 2nd quarter 2011 indicator based on internal verification audit performed. No thresholds exceeded, indicator remains green.

1Q/11: Revised 1st quarter 2011 indicator based on internal verification audit performed. No thresholds exceeded, indicator remains green.

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	0.000138	0.000142	0.000139	0.000144	N/A	0.000086	0.000178	0.000095	0.000100	0.000110	0.000104	0.000111
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	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum activity	0.000158	0.000116	0.000172	0.000106	0.000116	0.000123	0.000126	0.000118	0.000124	0.000128	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**	**0**	**N/A**	**N/A**

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	0.011	0.083	0.124	0.040	N/A	0.010	0.007	0.037	0.025	0.042	0.036	0.007
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**	**0.8**	**1.2**	**0.4**	**N/A**	**0.1**	**0.1**	**0.4**	**0.3**	**0.4**	**0.4**	**0.1**

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	0.093	0.163	0.163	0.198	0.228	0.108	0.130	0.167	0.167	0.067	N/A	0.061
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**	**1.6**	**1.6**	**2.0**	**2.3**	**1.1**	**1.3**	**1.7**	**1.7**	**0.7**	**N/A**	**0.6**

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.

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

RETS/ODCM Radiological Effluent

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 1

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	0	1.0	0	0	0	1.0	0	0
Critical hours	1194.7	2183.9	2209.0	2183.0	2184.0	2095.9	533.8	2159.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.0**	**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	1.0	0	0	0	1.0	0	0
Critical hours	1194.7	2183.9	2209.0	2183.0	2184.0	2095.9	533.8	2159.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.0**	**1.0**

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	1.0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**

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	0	0	0	0	2	0	1	0
Indicator value	**2**	**1**	**1**	**0**	**2**	**2**	**3**	**3**

Licensee Comments:

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures. This LER was retracted on 12/13/12.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures.

2Q/12: LER# 50-282/2012-001-00, Non-Conservative Calculation of Diesel Fuel Storage Requirements. SSFF for Unit 1 - reported as 2 SSFF's due to the time between issues. Additional engineering evaluation will be done to determine if one SSFF can be retracted.

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)	6.75E-08	6.90E-08	3.63E-07	9.76E-08	3.07E-09	-5.32E-08	-5.27E-08	-5.27E-08
URI (ΔCDF)	5.30E-08	5.30E-08	3.40E-07	-2.39E-08	-3.88E-07	-7.52E-07	-3.72E-07	-3.86E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.20E-07**	**7.00E-07**	**7.40E-08**	**-3.80E-07**	**-8.10E-07**	**-4.20E-07**	**-4.40E-07**

Licensee Comments:

4Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

3Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	-2.17E-09	-2.17E-09	-3.63E-09	-9.25E-10	1.91E-08	1.09E-08	1.16E-08	1.20E-08
URI (ΔCDF)	-1.12E-08	-1.12E-08	-2.42E-08	-2.45E-08	-2.54E-08	-2.57E-08	-2.75E-08	-2.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**-2.80E-08**	**-2.50E-08**	**-6.30E-09**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**

Licensee Comments:

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	1.05E-08	-1.47E-09	3.39E-08	3.42E-08	3.23E-08	3.06E-08	2.97E-08	8.34E-09
URI (ΔCDF)	2.90E-08	-7.77E-08	-1.45E-07	-1.45E-07	1.08E-07	1.06E-07	1.01E-07	9.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.90E-08**	**-7.90E-08**	**-1.10E-07**	**-1.10E-07**	**1.40E-07**	**1.40E-07**	**1.30E-07**	**1.10E-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)	4.52E-08	4.51E-08	6.32E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.68E-08
URI (ΔCDF)	-1.34E-07	-1.34E-07	-1.39E-07	-1.39E-07	-1.39E-07	-1.31E-07	-1.35E-07	-1.35E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-08**	**-8.90E-08**	**-7.50E-08**	**-1.70E-07**	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-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)	1.15E-06	1.18E-06	6.93E-07	6.98E-07	8.36E-07	7.97E-07	8.66E-07	6.17E-07
URI (ΔCDF)	-4.83E-07	-4.83E-07	-4.15E-07	-4.12E-07	-4.03E-07	-3.95E-07	-4.05E-07	-4.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.70E-07**	**6.90E-07**	**2.80E-07**	**2.90E-07**	**4.30E-07**	**4.00E-07**	**4.60E-07**	**2.10E-07**

Licensee Comments:

4Q/11: Changed PRA Parameter(s).

2Q/11: Revised 2nd quarter 2011 indicator based on internal verification audit performed. No thresholds exceeded, indicator remains green.

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	0.000144	N/A	0.000086	0.000178	0.000095	0.000100	0.000110	0.000104	0.000111	0.000158	0.000116	0.000172
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	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum activity	0.000106	0.000116	0.000123	0.000126	0.000118	0.000124	0.000128	N/A	N/A	0.000068	0.000068	0.000118
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**	**N/A**	**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	0.040	N/A	0.010	0.007	0.037	0.025	0.042	0.036	0.007	0.093	0.163	0.163
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**	**N/A**	**0.1**	**0.1**	**0.4**	**0.3**	**0.4**	**0.4**	**0.1**	**0.9**	**1.6**	**1.6**
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	0.198	0.228	0.108	0.130	0.167	0.167	0.067	N/A	0.061	0.292	0.141	0.011
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**	**1.1**	**1.3**	**1.7**	**1.7**	**0.7**	**N/A**	**0.6**	**2.9**	**1.4**	**0.1**

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.

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

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 1

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: 1Q2013 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	1.0	0	0	0	1.0	0	0	0
Critical hours	2183.9	2209.0	2183.0	2184.0	2095.9	533.8	2159.0	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.0**	**1.0**	**1.0**

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	1.0	0	0	0	1.0	0	0	0
Critical hours	2183.9	2209.0	2183.0	2184.0	2095.9	533.8	2159.0	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.0**	**1.0**	**1.0**

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	1.0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**

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	0	0	0	2	0	1	0	0
Indicator value	**1**	**1**	**0**	**2**	**2**	**3**	**3**	**1**

Licensee Comments:

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures. This LER was retracted on 12/13/12.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures.

2Q/12: LER# 50-282/2012-001-00, Non-Conservative Calculation of Diesel Fuel Storage Requirements. SSFF for Unit 1 - reported as 2 SSFF's due to the time between issues. Additional engineering evaluation will be done to determine if one SSFF can be retracted.

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)	6.90E-08	3.63E-07	9.76E-08	3.07E-09	-5.32E-08	-5.27E-08	-5.27E-08	-1.64E-08
URI (ΔCDF)	5.30E-08	3.40E-07	-2.39E-08	-3.88E-07	-7.52E-07	-3.72E-07	-3.86E-07	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**7.00E-07**	**7.40E-08**	**-3.80E-07**	**-8.10E-07**	**-4.20E-07**	**-4.40E-07**	**-3.70E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

3Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	-2.17E-09	-3.63E-09	-9.25E-10	1.91E-08	1.09E-08	1.16E-08	1.20E-08	1.13E-08
URI (ΔCDF)	-1.12E-08	-2.42E-08	-2.45E-08	-2.54E-08	-2.57E-08	-2.75E-08	-2.75E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-2.80E-08**	**-2.50E-08**	**-6.30E-09**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-1.50E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	-1.47E-09	3.39E-08	3.42E-08	3.23E-08	3.06E-08	2.97E-08	8.34E-09	-2.54E-08
URI (ΔCDF)	-7.77E-08	-1.45E-07	-1.45E-07	1.08E-07	1.06E-07	1.01E-07	9.91E-08	9.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.90E-08**	**-1.10E-07**	**-1.10E-07**	**1.40E-07**	**1.40E-07**	**1.30E-07**	**1.10E-07**	**6.90E-08**

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)	4.51E-08	6.32E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.38E-08
URI (ΔCDF)	-1.34E-07	-1.39E-07	-1.39E-07	-1.39E-07	-1.31E-07	-1.35E-07	-1.35E-07	-1.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-08**	**-7.50E-08**	**-1.70E-07**	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

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	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	1.18E-06	6.93E-07	6.98E-07	8.36E-07	7.97E-07	8.66E-07	6.17E-07	4.51E-07
URI (ΔCDF)	-4.83E-07	-4.15E-07	-4.12E-07	-4.03E-07	-3.95E-07	-4.05E-07	-4.02E-07	-2.66E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.90E-07**	**2.80E-07**	**2.90E-07**	**4.30E-07**	**4.00E-07**	**4.60E-07**	**2.10E-07**	**1.80E-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	0.000178	0.000095	0.000100	0.000110	0.000104	0.000111	0.000158	0.000116	0.000172	0.000106	0.000116	0.000123
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	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum activity	0.000126	0.000118	0.000124	0.000128	N/A	N/A	0.000068	0.000068	0.000118	0.000081	0.000081	0.000085
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**	**N/A**	**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	0.007	0.037	0.025	0.042	0.036	0.007	0.093	0.163	0.163	0.198	0.228	0.108
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**	**0.4**	**0.3**	**0.4**	**0.4**	**0.1**	**0.9**	**1.6**	**1.6**	**2.0**	**2.3**	**1.1**
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	0.130	0.167	0.167	0.067	N/A	0.061	0.292	0.141	0.011	0.127	0.150	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	**1.3**	**1.7**	**1.7**	**0.7**	**N/A**	**0.6**	**2.9**	**1.4**	**0.1**	**1.3**	**1.5**	**1.5**

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.

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 1

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: MS07 from 4Q2010 to 2Q2013 and MS08 2Q2012 to 1Q2013 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	0	0	1.0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2095.9	533.8	2159.0	2184.0	2208.0
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**1.0**	**1.0**	**1.0**	**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	1.0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2095.9	533.8	2159.0	2184.0	2208.0
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**1.0**	**1.0**	**1.0**	**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	1.0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**	**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	2	0	0	0	0	0
Indicator value	**1**	**0**	**2**	**2**	**2**	**2**	**0**	**0**

Licensee Comments:

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems.

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems. Revised to not be a SSFF on 10/21/13.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures. This LER was retracted on 12/13/12.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures.

2Q/12: LER# 50-282/2012-001-00, Non-Conservative Calculation of Diesel Fuel Storage Requirements. SSFF for Unit 1 - reported as 2 SSFF's due to the time between issues. Additional engineering evaluation will be done to determine if one SSFF can be retracted.

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/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	3.63E-07	9.76E-08	3.07E-09	-5.32E-08	-5.27E-08	-5.27E-08	-1.64E-08	-1.64E-08
URI (ΔCDF)	3.40E-07	-2.39E-08	-3.88E-07	-7.52E-07	-3.72E-07	-3.86E-07	-2.06E-08	-1.98E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.00E-07**	**7.40E-08**	**-3.80E-07**	**-8.10E-07**	**-4.20E-07**	**-4.40E-07**	**-3.70E-08**	**-3.60E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

3Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	-3.23E-09	1.98E-10	2.03E-08	1.24E-08	1.32E-08	1.36E-08	1.28E-08	1.30E-08
URI (ΔCDF)	-2.42E-08	-2.45E-08	-2.54E-08	-2.57E-08	-2.75E-08	-2.75E-08	-2.60E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-08**	**-2.40E-08**	**-5.10E-09**	**-1.30E-08**	**-1.40E-08**	**-1.40E-08**	**-1.30E-08**	**-1.30E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

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)	3.39E-08	3.42E-08	3.03E-08	2.86E-08	2.76E-08	6.33E-09	-2.54E-08	-2.54E-08
URI (ΔCDF)	-1.45E-07	-1.45E-07	1.08E-07	1.06E-07	1.01E-07	9.91E-08	9.47E-08	9.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.10E-07**	**1.40E-07**	**1.30E-07**	**1.30E-07**	**1.10E-07**	**6.90E-08**	**6.90E-08**

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)	6.32E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	-1.39E-07	-1.39E-07	-1.39E-07	-1.31E-07	-1.35E-07	-1.35E-07	-1.25E-07	-1.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.50E-08**	**-1.70E-07**	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-1.50E-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)	6.93E-07	6.98E-07	8.36E-07	7.97E-07	8.66E-07	6.17E-07	4.51E-07	3.95E-07
URI (ΔCDF)	-4.15E-07	-4.12E-07	-4.03E-07	-3.95E-07	-4.05E-07	-4.02E-07	-2.66E-07	-2.68E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.80E-07**	**2.90E-07**	**4.30E-07**	**4.00E-07**	**4.60E-07**	**2.10E-07**	**1.80E-07**	**1.30E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Reactor Coolant System Activity

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	0.000110	0.000104	0.000111	0.000158	0.000116	0.000172	0.000106	0.000116	0.000123	0.000126	0.000118	0.000124
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	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum activity	0.000128	N/A	N/A	0.000068	0.000068	0.000118	0.000081	0.000081	0.000085	0.000079	0.000091	0.000092
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**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum leakage	0.042	0.036	0.007	0.093	0.163	0.163	0.198	0.228	0.108	0.130	0.167	0.167
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**	**0.4**	**0.1**	**0.9**	**1.6**	**1.6**	**2.0**	**2.3**	**1.1**	**1.3**	**1.7**	**1.7**
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	0.067	N/A	0.061	0.292	0.141	0.011	0.127	0.150	0.150	0.070	0.221	0.007
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**	**N/A**	**0.6**	**2.9**	**1.4**	**0.1**	**1.3**	**1.5**	**1.5**	**0.7**	**2.2**	**0.1**

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.

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 1

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	0	0	1.0	0	0	0	0	0
Critical hours	2183.0	2184.0	2095.9	533.8	2159.0	2184.0	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**1.0**	**1.0**	**1.0**	**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	1.0	0	0	0	0	0
Critical hours	2183.0	2184.0	2095.9	533.8	2159.0	2184.0	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**1.0**	**1.0**	**1.0**	**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	1.0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**	**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	2	0	0	0	0	0	1
Indicator value	**0**	**2**	**2**	**2**	**2**	**0**	**0**	**1**

Licensee Comments:

4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems.

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems. Revised to not be a SSFF on 10/21/13.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures. This LER was retracted on 12/13/12.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures.

2Q/12: LER# 50-282/2012-001-00, Non-Conservative Calculation of Diesel Fuel Storage Requirements. SSFF for Unit 1 - reported as 2 SSFF's due to the time between issues. Additional engineering evaluation will be done to determine if one SSFF can be retracted.

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)	9.76E-08	3.07E-09	-5.32E-08	-5.27E-08	-5.27E-08	-1.64E-08	-1.64E-08	-1.22E-08
URI (ΔCDF)	-2.39E-08	-3.88E-07	-7.52E-07	-3.72E-07	-3.86E-07	-2.06E-08	-1.98E-08	-1.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.40E-08**	**-3.80E-07**	**-8.10E-07**	**-4.20E-07**	**-4.40E-07**	**-3.70E-08**	**-3.60E-08**	**-3.10E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

3Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

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)	1.98E-10	2.03E-08	1.24E-08	1.32E-08	1.36E-08	1.28E-08	1.30E-08	1.29E-08
URI (ΔCDF)	-2.45E-08	-2.54E-08	-2.57E-08	-2.75E-08	-2.75E-08	-2.60E-08	-2.60E-08	-2.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-08**	**-5.10E-09**	**-1.30E-08**	**-1.40E-08**	**-1.40E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-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)	3.42E-08	3.03E-08	2.86E-08	2.76E-08	6.33E-09	-2.54E-08	-2.54E-08	-2.54E-08
URI (ΔCDF)	-1.45E-07	1.08E-07	1.06E-07	1.01E-07	9.91E-08	9.47E-08	9.47E-08	9.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**1.40E-07**	**1.30E-07**	**1.30E-07**	**1.10E-07**	**6.90E-08**	**6.90E-08**	**6.90E-08**

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)	-2.68E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.38E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	-1.39E-07	-1.39E-07	-1.31E-07	-1.35E-07	-1.35E-07	-1.25E-07	-1.25E-07	-1.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-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)	6.98E-07	8.36E-07	7.97E-07	8.66E-07	6.17E-07	4.51E-07	3.95E-07	3.67E-07
URI (ΔCDF)	-4.12E-07	-4.03E-07	-3.95E-07	-4.05E-07	-4.02E-07	-2.66E-07	-2.68E-07	-2.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.90E-07**	**4.30E-07**	**4.00E-07**	**4.60E-07**	**2.10E-07**	**1.80E-07**	**1.30E-07**	**9.70E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

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	0.000158	0.000116	0.000172	0.000106	0.000116	0.000123	0.000126	0.000118	0.000124	0.000128	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**	**0**	**N/A**	**N/A**

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	0.000068	0.000068	0.000118	0.000081	0.000081	0.000085	0.000079	0.000091	0.000092	0.000093	0.000092	0.000117
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	**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	0.093	0.163	0.163	0.198	0.228	0.108	0.130	0.167	0.167	0.067	N/A	0.061
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**	**1.6**	**1.6**	**2.0**	**2.3**	**1.1**	**1.3**	**1.7**	**1.7**	**0.7**	**N/A**	**0.6**
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	0.292	0.141	0.011	0.127	0.150	0.150	0.070	0.221	0.007	0.007	0.007	0.005
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**	**1.4**	**0.1**	**1.3**	**1.5**	**1.5**	**0.7**	**2.2**	**0.1**	**0.1**	**0.1**	**0.1**

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.

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 1

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	1.0	0	0	0	0	0	0
Critical hours	2184.0	2095.9	533.8	2159.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0.8**	**0.8**	**1.0**	**1.0**	**1.0**	**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	1.0	0	0	0	0	0	0
Critical hours	2184.0	2095.9	533.8	2159.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0.8**	**0.8**	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**

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	1.0	0	0	0	0	0	0
Indicator value	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**	**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	2	0	0	0	0	0	1	0
Indicator value	**2**	**2**	**2**	**2**	**0**	**0**	**1**	**1**

Licensee Comments:

4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems.

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems. Revised to not be a SSFF on 10/21/13.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures. This LER was retracted on 12/13/12.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures.

2Q/12: LER# 50-282/2012-001-00, Non-Conservative Calculation of Diesel Fuel Storage Requirements. SSFF for Unit 1 - reported as 2 SSFF's due to the time between issues. Additional engineering evaluation will be done to determine if one SSFF can be retracted.

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)	3.07E-09	-5.32E-08	-5.27E-08	-5.27E-08	-1.64E-08	-1.64E-08	-1.64E-08	-1.44E-08
URI (ΔCDF)	-3.88E-07	-7.52E-07	-3.72E-07	-3.90E-07	-2.19E-08	-2.11E-08	-2.03E-08	-1.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-07**	**-8.10E-07**	**-4.20E-07**	**-4.40E-07**	**-3.80E-08**	**-3.80E-08**	**-3.70E-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.

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: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

3Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

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)	2.01E-08	1.20E-08	1.28E-08	1.29E-08	1.22E-08	1.24E-08	1.23E-08	6.42E-09
URI (ΔCDF)	-2.57E-08	-2.60E-08	-2.77E-08	-2.78E-08	-2.62E-08	-2.62E-08	-2.63E-08	-2.39E-08

PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.60E-09**	**-1.40E-08**	**-1.50E-08**	**-1.50E-08**	**-1.40E-08**	**-1.40E-08**	**-1.40E-08**	**-1.70E-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.

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, 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)	2.51E-08	2.35E-08	2.25E-08	1.16E-09	-2.54E-08	-2.54E-08	-2.54E-08	-1.86E-08
URI (ΔCDF)	1.00E-07	9.85E-08	9.39E-08	9.21E-08	8.74E-08	8.74E-08	8.74E-08	6.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-07**	**1.20E-07**	**1.20E-07**	**9.30E-08**	**6.20E-08**	**6.20E-08**	**6.20E-08**	**4.70E-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.

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)	-2.68E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.38E-08	-2.38E-08	-2.38E-08	-1.83E-08
URI (ΔCDF)	-1.39E-07	-1.31E-07	-1.35E-07	-1.35E-07	-1.25E-07	-1.25E-07	-1.25E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.30E-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)	8.36E-07	7.97E-07	8.66E-07	6.17E-07	4.51E-07	3.95E-07	3.67E-07	5.67E-07
URI (ΔCDF)	-4.03E-07	-3.94E-07	-4.04E-07	-4.02E-07	-2.66E-07	-2.68E-07	-2.70E-07	-3.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
	4.30E-	**4.00E-**	**4.60E-**	**2.20E-**	**1.80E-**	**1.30E-**	**9.80E-**	**5.30E-**

Indicator value	**07**	**07**	**07**	**07**	**07**	**07**	**08**	**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.

2Q/13: Changed PRA Parameter(s).

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.

Reactor Coolant System Activity

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	0.000106	0.000116	0.000123	0.000126	0.000118	0.000124	0.000128	N/A	N/A	0.000068	0.000068	0.000083
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**	**N/A**	**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	0.000081	0.000081	0.000085	0.000079	0.000091	0.000092	0.000093	0.000092	0.000117	0.000043	0.000063	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:

3/13: Revised Unit 1 data for RCS Specific Activity (Maximum I=131) for the month of March 2013. 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	0.198	0.228	0.108	0.130	0.167	0.167	0.067	N/A	0.061	0.301	0.141	0.011
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**	**1.1**	**1.3**	**1.7**	**1.7**	**0.7**	**N/A**	**0.6**	**3.0**	**1.4**	**0.1**
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	0.127	0.150	0.150	0.070	0.221	0.007	0.007	0.007	0.005	0.005	0.007	0.007
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**	**1.5**	**1.5**	**0.7**	**2.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments:

3/13: Correction to previously submitted Reactor Leakage for January 2013 on Unit 1. Change does not affect the color of the indicator.

Drill/Exercise Performance

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 1

2Q/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	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2095.9	533.8	2159.0	2184.0	2208.0	2209.0	2159.0	2184.0
Indicator value	**0.8**	**1.0**	**1.0**	**1.0**	**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	1.0	0	0	0	0	0	0	1.0
Critical hours	2095.9	533.8	2159.0	2184.0	2208.0	2209.0	2159.0	2184.0
Indicator value	**0.8**	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0.8**

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	1.0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**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	0	1
Indicator value	**2**	**2**	**2**	**0**	**0**	**1**	**1**	**2**

Licensee Comments:

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14.

4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems.

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems. Revised to not be a SSFF on 10/21/13.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures. This LER was retracted on 12/13/12.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures.

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)	-5.32E-08	-5.27E-08	-5.27E-08	-1.64E-08	-1.64E-08	-1.64E-08	-1.44E-08	-1.48E-08
URI (ΔCDF)	-7.52E-07	-3.72E-07	-3.90E-07	-2.19E-08	-2.11E-08	-2.03E-08	-1.86E-08	7.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.10E-07**	**-4.20E-07**	**-4.40E-07**	**-3.80E-08**	**-3.80E-08**	**-3.70E-08**	**-3.30E-08**	**6.00E-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.

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: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

3Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

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)	1.20E-08	1.28E-08	1.29E-08	1.22E-08	1.24E-08	1.23E-08	6.42E-09	5.41E-09
URI (ΔCDF)	-2.60E-08	-2.77E-08	-2.78E-08	-2.62E-08	-2.62E-08	-2.63E-08	-2.39E-08	-2.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-1.40E-08**	**-1.50E-08**	**-1.50E-08**	**-1.40E-08**	**-1.40E-08**	**-1.40E-08**	**-1.70E-08**	**-1.80E-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.

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, 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)	2.35E-08	2.25E-08	1.16E-09	-2.54E-08	-2.54E-08	-2.54E-08	-1.86E-08	-1.88E-08
URI (ΔCDF)	9.85E-08	9.39E-08	9.21E-08	8.74E-08	8.74E-08	8.74E-08	6.56E-08	7.24E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.20E-07**	**9.30E-08**	**6.20E-08**	**6.20E-08**	**6.20E-08**	**4.70E-08**	**5.40E-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.

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)	-2.68E-08	-2.68E-08	-2.68E-08	-2.38E-08	-2.38E-08	-2.38E-08	-1.83E-08	-1.83E-08
URI (ΔCDF)	-1.31E-07	-1.35E-07	-1.35E-07	-1.25E-07	-1.25E-07	-1.25E-07	-1.08E-07	-8.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.30E-07**	**-1.00E-07**

Licensee Comments:

1Q/14: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

2Q/13: Changed PRA Parameter(s).

1Q/13: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

3Q/12: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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)	7.97E-07	8.59E-07	6.10E-07	4.46E-07	3.90E-07	3.63E-07	5.63E-07	5.66E-07
URI (ΔCDF)	-3.94E-07	-4.04E-07	-4.02E-07	-2.66E-07	-2.68E-07	-2.70E-07	-3.89E-08	-2.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.00E-07**	**4.60E-07**	**2.10E-07**	**1.80E-07**	**1.20E-07**	**9.30E-08**	**5.20E-07**	**5.40E-07**

Licensee Comments:

1Q/14: 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: 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.

2Q/13: Changed PRA Parameter(s).

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.

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.

Reactor Coolant System Activity

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	0.000126	0.000118	0.000124	0.000128	N/A	N/A	0.000068	0.000068	0.000083	0.000081	0.000081	0.000085
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**	**N/A**	**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	0.000079	0.000091	0.000092	0.000093	0.000092	0.000117	0.000043	0.000063	0.000054	0.000051	0.000059	0.000060
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:

3/13: Revised Unit 1 data for RCS Specific Activity (Maximum I=131) for the month of March 2013. 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	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.130	0.167	0.167	0.067	N/A	0.061	0.301	0.141	0.011	0.127	0.150	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	**1.3**	**1.7**	**1.7**	**0.7**	**N/A**	**0.6**	**3.0**	**1.4**	**0.1**	**1.3**	**1.5**	**1.5**
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	0.070	0.221	0.007	0.007	0.007	0.005	0.005	0.007	0.007	0.012	0.009	0.014
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**	**2.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments:

3/13: Correction to previously submitted Reactor Leakage for January 2013 on Unit 1. Change does not affect the color of the indicator.

Drill/Exercise Performance

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 1

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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	533.8	2159.0	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	0	0	0	0	1.0	1.0
Critical hours	533.8	2159.0	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0.8**	**1.6**

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	**1.0**	**1.0**	**1.0**	**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	0	1	1
Indicator value	**2**	**2**	**0**	**0**	**1**	**1**	**2**	**3**

Licensee Comments:

3Q/14: LER 50-282/2014-002-00, 8/4/14 EDG Declared Inoperable Due to Not Meeting High Energy Line Break Requirements

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14.

4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems. Revised to not be a SSFF on 10/21/13.

4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems.

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)	-5.27E-08	-5.27E-08	-1.64E-08	-1.64E-08	-1.64E-08	-1.44E-08	-1.48E-08	-1.48E-08
URI (ΔCDF)	-3.72E-07	-3.90E-07	-2.19E-08	-2.11E-08	-2.03E-08	-1.86E-08	7.47E-08	7.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.20E-07**	**-4.40E-07**	**-3.80E-08**	**-3.80E-08**	**-3.70E-08**	**-3.30E-08**	**6.00E-08**	**6.10E-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.

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: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

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)	1.28E-08	1.29E-08	1.22E-08	1.24E-08	1.23E-08	6.42E-09	5.41E-09	5.33E-09
URI (ΔCDF)	-2.77E-08	-2.78E-08	-2.62E-08	-2.62E-08	-2.63E-08	-2.39E-08	-2.30E-08	-2.31E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.50E-08**	**-1.40E-08**	**-1.40E-08**	**-1.40E-08**	**-1.70E-08**	**-1.80E-08**	**-1.80E-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.

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, 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)	2.25E-08	1.16E-09	-2.54E-08	-2.54E-08	-2.54E-08	-1.86E-08	-1.88E-08	-1.88E-08
URI (ΔCDF)	9.39E-08	9.21E-08	8.74E-08	8.74E-08	8.74E-08	6.56E-08	7.24E-08	7.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**9.30E-08**	**6.20E-08**	**6.20E-08**	**6.20E-08**	**4.70E-08**	**5.40E-08**	**5.50E-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.

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)	-2.68E-08	-2.68E-08	-2.38E-08	-2.38E-08	-2.38E-08	-1.83E-08	-1.83E-08	-1.83E-08
URI (ΔCDF)	-1.35E-07	-1.35E-07	-1.25E-07	-1.25E-07	-1.25E-07	-1.08E-07	-8.15E-08	-8.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.30E-07**	**-1.00E-07**	**-1.00E-07**

Licensee Comments:

1Q/14: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

2Q/13: Changed PRA Parameter(s).

1Q/13: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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)	8.59E-07	6.10E-07	4.46E-07	3.90E-07	3.63E-07	5.63E-07	5.95E-07	5.80E-07
URI (ΔCDF)	-4.04E-07	-4.02E-07	-2.66E-07	-2.68E-07	-2.70E-07	-3.89E-08	-2.91E-08	-2.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.60E-07**	**2.10E-07**	**1.80E-07**	**1.20E-07**	**9.30E-08**	**5.20E-07**	**5.70E-07**	**5.50E-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: 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: 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.

2Q/13: Changed PRA Parameter(s).

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.

Reactor Coolant System Activity

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	0.000128	N/A	N/A	0.000068	0.000068	0.000083	0.000081	0.000081	0.000085	0.000079	0.000091	0.000092
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**	**N/A**	**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	0.000093	0.000092	0.000117	0.000043	0.000063	0.000054	0.000051	0.000059	0.000060	0.000060	0.000056	0.000055
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:

3/13: Revised Unit 1 data for RCS Specific Activity (Maximum I=131) for the month of March 2013. 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	0.067	N/A	0.061	0.301	0.141	0.011	0.127	0.150	0.150	0.070	0.221	0.007
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**	**N/A**	**0.6**	**3.0**	**1.4**	**0.1**	**1.3**	**1.5**	**1.5**	**0.7**	**2.2**	**0.1**

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	0.007	0.007	0.005	0.005	0.007	0.007	0.012	0.009	0.014	0.016	0.160	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	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**1.6**	**0.7**

Licensee Comments:

3/13: Correction to previously submitted Reactor Leakage for January 2013 on Unit 1. Change does not affect the color of the indicator.

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 1

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: LER 50/282-2014-001-00 wa removed based on engineering analysis. The change did not affect the color of the indicator.

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	2208.0	2209.0	2159.0	2184.0	2208.0	768.5
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	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	0	0	0	0	1.0	1.0	1.0
Critical hours	2159.0	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0	768.5
Indicator value	**1.0**	**1.0**	**0**	**0**	**0**	**0.8**	**1.6**	**2.9**

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	**1.0**	**1.0**	**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	0	0	1	0
Indicator value	**2**	**0**	**0**	**1**	**1**	**1**	**2**	**1**

Licensee Comments:

3Q/14: LER 50-282/2014-002-00, 8/4/14 EDG Declared Inoperable Due to Not Meeting High Energy Line Break Requirements

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14. The indicator value for 2Q2014 was revised to remove one SSFF (LER 50-282/2014-001-00) based on engineering analysis. The change did not affect the color of the indicator.

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14.

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)	-5.27E-08	-1.64E-08	-1.64E-08	-1.64E-08	-1.44E-08	-1.48E-08	-1.48E-08	-9.52E-09
URI (ΔCDF)	-3.90E-07	-2.19E-08	-2.11E-08	-2.03E-08	-1.86E-08	7.47E-08	7.55E-08	7.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.40E-07**	**-3.80E-08**	**-3.80E-08**	**-3.70E-08**	**-3.30E-08**	**6.00E-08**	**6.10E-08**	**6.70E-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.

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.

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)	1.29E-08	1.22E-08	1.24E-08	1.23E-08	6.42E-09	5.41E-09	5.33E-09	5.75E-09
URI (ΔCDF)	-2.78E-08	-2.62E-08	-2.62E-08	-2.63E-08	-2.39E-08	-2.30E-08	-2.31E-08	-2.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.40E-08**	**-1.40E-08**	**-1.40E-08**	**-1.70E-08**	**-1.80E-08**	**-1.80E-08**	**-1.70E-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.

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.

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)	1.16E-09	-2.54E-08	-2.54E-08	-2.54E-08	-1.86E-08	-1.88E-08	-1.88E-08	-1.85E-08
URI (ΔCDF)	9.21E-08	8.74E-08	8.74E-08	8.74E-08	6.56E-08	7.24E-08	7.37E-08	7.37E-08

PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.30E-08**	**6.20E-08**	**6.20E-08**	**6.20E-08**	**4.70E-08**	**5.40E-08**	**5.50E-08**	**5.50E-08**

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)	-2.68E-08	-2.38E-08	-2.38E-08	-2.38E-08	-1.83E-08	-1.83E-08	-1.83E-08	-1.83E-08
URI (ΔCDF)	-1.35E-07	-1.25E-07	-1.25E-07	-1.25E-07	-1.08E-07	-8.15E-08	-8.15E-08	-1.07E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.30E-07**	**-1.00E-07**	**-1.00E-07**	**-1.30E-07**

Licensee Comments:

1Q/14: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

2Q/13: Changed PRA Parameter(s).

1Q/13: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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)	6.10E-07	4.46E-07	3.90E-07	3.63E-07	5.63E-07	5.95E-07	5.80E-07	6.25E-07
URI (ΔCDF)	-4.02E-07	-2.66E-07	-2.68E-07	-2.70E-07	-3.89E-08	-2.91E-08	-2.97E-08	-2.98E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-07**	**1.80E-07**	**1.20E-07**	**9.30E-08**	**5.20E-07**	**5.70E-07**	**5.50E-07**	**6.00E-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.

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: 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.

2Q/13: Changed PRA Parameter(s).

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	0.000068	0.000068	0.000083	0.000081	0.000081	0.000085	0.000079	0.000091	0.000092	0.000093	0.000092	0.000117
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	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum activity	0.000043	0.000063	0.000054	0.000051	0.000059	0.000060	0.000060	0.000056	0.000055	0.000043	N/A	0.000029
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:

3/13: Revised Unit 1 data for RCS Specific Activity (Maximum I=131) for the month of March 2013. 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	0.301	0.141	0.011	0.127	0.150	0.150	0.070	0.221	0.007	0.007	0.007	0.005
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	**3.0**	**1.4**	**0.1**	**1.3**	**1.5**	**1.5**	**0.7**	**2.2**	**0.1**	**0.1**	**0.1**	**0.1**
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	0.005	0.007	0.007	0.012	0.009	0.014	0.016	0.160	0.072	0.068	0.310	0.943
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**1.6**	**0.7**	**0.7**	**3.1**	**9.4**

Licensee Comments:

3/13: Correction to previously submitted Reactor Leakage for January 2013 on Unit 1. Change does not affect the color of the indicator.

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 1

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	2208.0	2209.0	2159.0	2184.0	2208.0	768.5	1778.7
Indicator value	**1.0**	**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	0	1.0	1.0	1.0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0	768.5	1778.7
Indicator value	**1.0**	**0**	**0**	**0**	**0.8**	**1.6**	**2.9**	**3.0**

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	**1.0**	**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	0	0	1	0	1
Indicator value	**0**	**0**	**1**	**1**	**1**	**2**	**1**	**2**

Licensee Comments:

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015.

3Q/14: LER 50-282/2014-002-00, 8/4/14 EDG Declared Inoperable Due to Not Meeting High Energy Line Break Requirements

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14. The indicator value for 2Q2014 was revised to remove one SSFF (LER 50-282/2014-001-00) based on engineering analysis. The change did not affect the color of the indicator.

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14.

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)	-1.64E-08	-1.64E-08	-1.64E-08	-1.44E-08	-1.48E-08	-1.48E-08	-9.52E-09	2.82E-08
URI (ΔCDF)	-2.19E-08	-2.11E-08	-2.03E-08	-1.86E-08	-1.88E-08	-1.81E-08	-1.73E-08	-1.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-08**	**-3.80E-08**	**-3.70E-08**	**-3.30E-08**	**-3.40E-08**	**-3.30E-08**	**-2.70E-08**	**1.30E-08**

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. As a result of the PRA model change, the cross-tie breakers are no longer monitored components.

2Q/14: FAQ 14-08 was introduced to the ROP Task Force in November 2014 and finalized at March 2015 meeting. This documents basis for withdrawal of MSPI Failure associated with ICES 312270, 6/23/14 reverse power trip and lockout of Unit 1 EDG.

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)	1.22E-08	1.24E-08	1.23E-08	6.42E-09	5.41E-09	5.33E-09	5.75E-09	2.87E-09
URI (ΔCDF)	-2.62E-08	-2.62E-08	-2.63E-08	-2.39E-08	-2.30E-08	-2.31E-08	-2.30E-08	-2.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-1.40E-08**	**-1.40E-08**	**-1.40E-08**	**-1.70E-08**	**-1.80E-08**	**-1.80E-08**	**-1.70E-08**	**-2.10E-08**

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.

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, 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**
UAI (ΔCDF)	-2.54E-08	-2.54E-08	-2.54E-08	-1.86E-08	-1.88E-08	-1.88E-08	-1.85E-08	-1.76E-08
URI (ΔCDF)	8.74E-08	8.74E-08	8.74E-08	6.56E-08	7.24E-08	7.37E-08	7.37E-08	1.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.20E-08**	**6.20E-08**	**6.20E-08**	**4.70E-08**	**5.40E-08**	**5.50E-08**	**5.50E-08**	**8.40E-08**

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. 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)	-2.38E-08	-2.38E-08	-2.38E-08	-1.83E-08	-1.83E-08	-1.83E-08	-1.83E-08	-1.71E-08
URI (ΔCDF)	-1.25E-07	-1.25E-07	-1.25E-07	-1.08E-07	-8.15E-08	-8.15E-08	-1.07E-07	-1.11E-07

PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.30E-07**	**-1.00E-07**	**-1.00E-07**	**-1.30E-07**	**-1.30E-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.

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 Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

4Q/13: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	4.46E-07	3.90E-07	3.63E-07	5.63E-07	5.95E-07	5.80E-07	6.25E-07	3.18E-07
URI (ΔCDF)	-2.66E-07	-2.68E-07	-2.70E-07	-3.89E-08	-2.91E-08	-2.97E-08	-2.98E-08	-3.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-07**	**1.20E-07**	**9.30E-08**	**5.20E-07**	**5.70E-07**	**5.50E-07**	**6.00E-07**	**2.90E-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.

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: 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.

2Q/13: Changed PRA Parameter(s).

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	0.000081	0.000081	0.000085	0.000079	0.000091	0.000092	0.000093	0.000092	0.000117	0.000043	0.000063	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	**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	0.000059	0.000060	0.000060	0.000056	0.000055	0.000043	N/A	0.000029	0.000032	0.000031	0.000051
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

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	0.127	0.150	0.150	0.070	0.221	0.007	0.007	0.007	0.005	0.005	0.007	0.007
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**	**1.5**	**1.5**	**0.7**	**2.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
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	0.012	0.009	0.014	0.016	0.160	0.072	0.068	0.310	0.943	0.819	0.565	1.179
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**	**0.1**	**0.1**	**0.2**	**1.6**	**0.7**	**0.7**	**3.1**	**9.4**	**8.2**	**5.7**	**11.8**

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 1

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: LER 50-282/2015-002-00 submitted 4/10/2015 for 14 Fan Coil Unit Leak

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	1.0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	768.5	1778.7	1378.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1.1**

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	0	1.0	1.0	1.0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	768.5	1778.7	1378.2
Indicator value	**0**	**0**	**0**	**0.8**	**1.6**	**2.9**	**3.0**	**2.3**

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	0	0	1	0	1	1
Indicator value	**0**	**1**	**1**	**1**	**2**	**1**	**2**	**3**

Licensee Comments:

2Q/15: LER 50-282/2015-002-00, 4/10/2015, 14 Fan Coil Unit Leak (lower head)

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015.

3Q/14: LER 50-282/2014-002-00, 8/4/14 EDG Declared Inoperable Due to Not Meeting High Energy Line Break Requirements

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14.

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14. The indicator value for 2Q2014 was revised to remove one SSFF (LER 50-282/2014-001-00) based on engineering analysis. The change did not affect the color of the indicator.

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)	-1.64E-08	-1.64E-08	-1.44E-08	-1.48E-08	-1.48E-08	-9.52E-09	2.82E-08	2.96E-08
URI (ΔCDF)	-2.11E-08	-2.03E-08	-1.86E-08	-1.88E-08	-1.81E-08	-1.73E-08	-1.47E-08	-1.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-08**	**-3.70E-08**	**-3.30E-08**	**-3.40E-08**	**-3.30E-08**	**-2.70E-08**	**1.30E-08**	**1.50E-08**

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. As a result of the PRA model change, the cross-tie breakers are no longer monitored components.

2Q/14: FAQ 14-08 was introduced to the ROP Task Force in November 2014 and finalized at March 2015 meeting. This documents basis for withdrawal of MSPI Failure associated with ICES 312270, 6/23/14 reverse power trip and lockout of Unit 1 EDG.

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)	1.24E-08	1.23E-08	6.42E-09	5.41E-09	5.33E-09	5.75E-09	2.87E-09	-8.16E-09
URI (ΔCDF)	-2.62E-08	-2.63E-08	-2.39E-08	-2.30E-08	-2.31E-08	-2.30E-08	-2.40E-08	-2.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-08**	**-1.40E-08**	**-1.70E-08**	**-1.80E-08**	**-1.80E-08**	**-1.70E-08**	**-2.10E-08**	**-3.10E-08**

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.

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, 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
	-2.54E-	-2.54E-	-1.86E-	-1.88E-	-1.88E-	-1.85E-	-1.76E-	

UAI (ΔCDF)	08	08	08	08	08	08	08	-2.40E-08
URI (ΔCDF)	8.74E-08	8.74E-08	6.56E-08	7.24E-08	7.37E-08	7.37E-08	1.02E-07	-1.35E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.20E-08**	**6.20E-08**	**4.70E-08**	**5.40E-08**	**5.50E-08**	**5.50E-08**	**8.40E-08**	**-1.60E-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. 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)	-2.38E-08	-2.38E-08	-1.83E-08	-1.83E-08	-1.83E-08	-1.83E-08	-1.71E-08	-1.71E-08
URI (ΔCDF)	-1.25E-07	-1.25E-07	-1.08E-07	-8.15E-08	-8.15E-08	-1.07E-07	-1.11E-07	-1.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.30E-07**	**-1.00E-07**	**-1.00E-07**	**-1.30E-07**	**-1.30E-07**	**-1.40E-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.

1Q/14: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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.

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)	3.63E-07	3.35E-07	4.16E-07	4.53E-07	4.39E-07	4.75E-07	2.29E-07	2.06E-07
URI (ΔCDF)	-2.68E-07	-2.70E-07	-3.89E-08	-2.91E-08	-2.97E-08	-2.98E-08	-3.13E-08	-3.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.50E-08**	**6.60E-08**	**3.80E-07**	**4.20E-07**	**4.10E-07**	**4.50E-07**	**2.00E-07**	**1.70E-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). 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: 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: 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. (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.

Reactor Coolant System Activity

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	0.000079	0.000091	0.000092	0.000093	0.000092	0.000117	0.000043	0.000063	0.000054	0.000051	0.000059	0.000060
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	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum activity	0.000060	0.000056	0.000055	0.000043	N/A	0.000029	0.000032	0.000031	0.000051	0.000034	0.000040	0.000035
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

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	0.070	0.221	0.007	0.007	0.007	0.005	0.005	0.007	0.007	0.012	0.009	0.014
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**	**2.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
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	0.016	0.160	0.072	0.068	0.310	0.943	0.819	0.565	1.179	1.247	0.115	0.101
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**	**1.6**	**0.7**	**0.7**	**3.1**	**9.4**	**8.2**	**5.7**	**11.8**	**12.5**	**1.2**	**1.0**

Licensee Comments: none

Drill/Exercise Performance

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 1

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	1.0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	768.5	1778.7	1378.2	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.1**	**1.1**

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	0	1.0	1.0	1.0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	768.5	1778.7	1378.2	2208.0
Indicator value	**0**	**0**	**0.8**	**1.6**	**2.9**	**3.0**	**2.3**	**1.1**

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	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments:

2Q/15: LER 50-282/2015-002-00, 14 Fan Coil Unit Leak (lower head) reported on 4/10/2015 has been cancelled. Based on engineering's analysis, containment leakage was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.

2Q/15: LER 50-282/2015-002-00, 4/10/2015, 14 Fan Coil Unit Leak (lower head)

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015 has been cancelled. Based on engineering analysis, containement was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015.

3Q/14: LER 50-282/2014-002-00, 8/4/14 EDG Declared Inoperable Due to Not Meeting High Energy Line Break Requirements

3Q/14: LER 50-282/2014-002-00, EDG Declared Inoperable Due to Not Meeting High Energy Line Break Requirements reported on 8/4/14 has been cancelled. Unit 1 EDG were determined to be operable based on engineering analysis. This is not a SSFF.

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97

Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14.

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14. The indicator value for 2Q2014 was revised to remove one SSFF (LER 50-282/2014-001-00) based on engineering analysis. The change did not affect the color of the indicator.

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)	-1.64E-08	-1.44E-08	-1.48E-08	-1.48E-08	-9.52E-09	2.82E-08	2.96E-08	3.08E-08
URI (ΔCDF)	-2.03E-08	-1.86E-08	-1.88E-08	-1.81E-08	-1.73E-08	-1.47E-08	-1.47E-08	-1.39E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.70E-08**	**-3.30E-08**	**-3.40E-08**	**-3.30E-08**	**-2.70E-08**	**1.30E-08**	**1.50E-08**	**1.70E-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). 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 cross-tie breakers are no longer monitored components.

2Q/14: FAQ 14-08 was introduced to the ROP Task Force in November 2014 and finalized at March 2015 meeting. This documents basis for withdrawal of MSPI Failure associated with ICES 312270, 6/23/14 reverse power trip and lockout of Unit 1 EDG.

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)	1.23E-08	6.42E-09	5.41E-09	5.33E-09	5.75E-09	2.87E-09	-8.16E-09	-5.44E-09
URI (ΔCDF)	-2.63E-08	-2.39E-08	-2.30E-08	-2.31E-08	-2.30E-08	-2.40E-08	-2.32E-08	-2.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-08**	**-1.70E-08**	**-1.80E-08**	**-1.80E-08**	**-1.70E-08**	**-2.10E-08**	**-3.10E-08**	**-2.80E-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). 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.

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, 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)	-2.54E-08	-1.86E-08	-1.88E-08	-1.88E-08	-1.85E-08	-1.76E-08	-2.40E-08	-2.38E-08
URI (ΔCDF)	8.74E-08	6.56E-08	7.24E-08	7.37E-08	7.37E-08	1.02E-07	-1.35E-07	-1.32E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.20E-08**	**4.70E-08**	**5.40E-08**	**5.50E-08**	**5.50E-08**	**8.40E-08**	**-1.60E-07**	**-1.60E-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). 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)	-2.38E-08	-1.83E-08	-1.83E-08	-1.83E-08	-1.83E-08	-1.71E-08	-1.71E-08	2.55E-08
URI (ΔCDF)	-1.25E-07	-1.08E-07	-8.15E-08	-8.15E-08	-1.07E-07	-1.11E-07	-1.23E-07	-1.24E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
	-1.50E-	**-1.30E-**	**-1.00E-**	**-1.00E-**	**-1.30E-**	**-1.30E-**	**-1.40E-**	**-9.90E-**

Indicator value	07	07	07	07	07	07	07	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). 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: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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

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)	3.35E-07	4.16E-07	4.54E-07	4.39E-07	4.76E-07	2.30E-07	2.07E-07	2.11E-07
URI (ΔCDF)	-2.70E-07	-3.89E-08	-2.91E-08	-2.97E-08	-2.98E-08	-3.13E-08	-3.17E-08	-9.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.60E-08**	**3.80E-07**	**4.20E-07**	**4.10E-07**	**4.50E-07**	**2.00E-07**	**1.80E-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. Also, revised planned unavailability baseline value for the Unit 1 Loop B cooling Water Segment approverd 9/16/2015 is effective 10/1/2015. This reflects the performance of periodic internal coating inspection while Unit 1 is critical during Unit 2 refueling outage. 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.

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.

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.

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: 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: 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. (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.

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	0.000093	0.000092	0.000117	0.000043	0.000063	0.000054	0.000051	0.000059	0.000060	0.000060	0.000056	0.000055
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	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum activity	0.000043	N/A	0.000029	0.000032	0.000031	0.000051	0.000034	0.000040	0.000035	0.000042	0.000040	0.000039
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

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	0.007	0.007	0.005	0.005	0.007	0.007	0.012	0.009	0.014	0.016	0.160	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	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**1.6**	**0.7**
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	0.068	0.310	0.943	0.819	0.565	1.179	1.247	0.115	0.101	0.112	0.096	0.096
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**	**3.1**	**9.4**	**8.2**	**5.7**	**11.8**	**12.5**	**1.2**	**1.0**	**1.1**	**1.0**	**1.0**

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 1

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	1.0	0	0
Critical hours	2159.0	2184.0	2208.0	768.5	1778.7	1378.2	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.1**	**1.1**	**0.9**

Licensee Comments: none

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	0	1.0	1.0	1.0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	768.5	1778.7	1378.2	2208.0	2209.0
Indicator value	**0**	**0.8**	**1.6**	**2.9**	**3.0**	**2.3**	**1.1**	**0**

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	0	0	0	0	0	0	0	1
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**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 50-282/2015-002-00, 14 Fan Coil Unit Leak (lower head) reported on 4/10/2015 has been cancelled. Based on engineering's analysis, containment leakage was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.

2Q/15: LER 50-282/2015-002-00, 4/10/2015, 14 Fan Coil Unit Leak (lower head)

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015 has been cancelled. Based on engineering analysis, containement was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015.

3Q/14: LER 50-282/2014-002-00, 8/4/14 EDG Declared Inoperable Due to Not Meeting High Energy Line Break Requirements

3Q/14: LER 50-282/2014-002-00, EDG Declared Inoperable Due to Not Meeting High Energy Line Break Requirements reported on 8/4/14 has been cancelled. Unit 1 EDG were determined to be operable based on

engineering analysis. This is not a SSFF.

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14. The indicator value for 2Q2014 was revised to remove one SSFF (LER 50-282/2014-001-00) based on engineering analysis. The change did not affect the color of the indicator.

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14.

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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-1.44E-08	-1.48E-08	-1.48E-08	-9.52E-09	2.82E-08	2.96E-08	3.08E-08	2.23E-08
URI (ΔCDF)	-1.86E-08	-1.88E-08	-1.81E-08	-1.73E-08	-1.47E-08	-1.47E-08	-1.39E-08	-6.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-3.40E-08**	**-3.30E-08**	**-2.70E-08**	**1.30E-08**	**1.50E-08**	**1.70E-08**	**-4.70E-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). 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 cross-tie breakers are no longer monitored components.

2Q/14: FAQ 14-08 was introduced to the ROP Task Force in November 2014 and finalized at March 2015 meeting. This documents basis for withdrawal of MSPI Failure associated with ICES 312270, 6/23/14 reverse power trip and lockout of Unit 1 EDG.

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)	6.42E-09	5.41E-09	5.33E-09	5.75E-09	2.87E-09	-8.16E-09	-5.44E-09	-6.11E-09
URI (ΔCDF)	-2.39E-08	-2.30E-08	-2.31E-08	-2.30E-08	-2.40E-08	-2.32E-08	-2.28E-08	-2.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-08**	**-1.80E-08**	**-1.80E-08**	**-1.70E-08**	**-2.10E-08**	**-3.10E-08**	**-2.80E-08**	**-2.70E-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). 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)	-1.86E-08	-1.88E-08	-1.88E-08	-1.85E-08	-1.76E-08	-2.40E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	6.56E-08	7.24E-08	7.37E-08	7.37E-08	1.02E-07	-1.35E-07	-1.32E-07	-1.27E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.70E-08**	**5.40E-08**	**5.50E-08**	**5.50E-08**	**8.40E-08**	**-1.60E-07**	**-1.60E-07**	**-1.50E-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). 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.

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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-1.83E-08	-1.83E-08	-1.83E-08	-1.83E-08	-1.71E-08	-1.71E-08	2.55E-08	1.75E-08
URI (ΔCDF)	-1.08E-07	-8.15E-08	-8.15E-08	-1.07E-07	-1.11E-07	-1.23E-07	-1.24E-07	-1.05E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.00E-07**	**-1.00E-07**	**-1.30E-07**	**-1.30E-07**	**-1.40E-07**	**-9.90E-08**	**-8.70E-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). 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: MSPI Unavailiability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing.

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.

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

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)	4.16E-07	4.54E-07	4.39E-07	4.76E-07	2.30E-07	2.07E-07	2.11E-07	2.16E-07
URI (ΔCDF)	-3.89E-08	-2.91E-08	-2.97E-08	-2.98E-08	-3.13E-08	-3.17E-08	-9.70E-08	-8.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.80E-07**	**4.20E-07**	**4.10E-07**	**4.50E-07**	**2.00E-07**	**1.80E-07**	**1.10E-07**	**1.30E-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. Also, revised planned unavailability baseline value for the Unit 1 Loop B cooling Water Segment approverd 9/16/2015 is effective 10/1/2015. This reflects the performance of periodic internal coating inspection while Unit 1 is critical during Unit 2 refueling outage. 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). 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. / 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.

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: 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. (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: 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.

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	0.000043	0.000063	0.000054	0.000051	0.000059	0.000060	0.000060	0.000056	0.000055	0.000043	N/A	0.000029
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	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum activity	0.000032	0.000031	0.000051	0.000034	0.000040	0.000035	0.000042	0.000040	0.000039	0.000040	0.000041	0.000042
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	**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	0.005	0.007	0.007	0.012	0.009	0.014	0.016	0.160	0.072	0.068	0.310	0.943
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**1.6**	**0.7**	**0.7**	**3.1**	**9.4**
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	0.819	0.565	1.179	1.247	0.115	0.101	0.112	0.096	0.096	0.156	0.163	0.260
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	**8.2**	**5.7**	**11.8**	**12.5**	**1.2**	**1.0**	**1.1**	**1.0**	**1.0**	**1.6**	**1.6**	**2.6**

Licensee Comments: none

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 1

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	1.0	0	0	0
Critical hours	2184.0	2208.0	768.5	1778.7	1378.2	2208.0	2209.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**1.1**	**1.1**	**0.9**	**0.9**

Licensee Comments: none

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	1.0	1.0	1.0	0	0	0	0	0
Critical hours	2184.0	2208.0	768.5	1778.7	1378.2	2208.0	2209.0	2183.0
Indicator value	**0.8**	**1.6**	**2.9**	**3.0**	**2.3**	**1.1**	**0**	**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	0	0	0	0	0	1	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**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 50-282/2015-002-00, 14 Fan Coil Unit Leak (lower head) reported on 4/10/2015 has been cancelled. Based on engineering's analysis, containment leakage was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.

2Q/15: LER 50-282/2015-002-00, 4/10/2015, 14 Fan Coil Unit Leak (lower head)

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015 has been cancelled. Based on engineering analysis, containement was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015.

3Q/14: LER 50-282/2014-002-00, 8/4/14 EDG Declared Inoperable Due to Not Meeting High Energy Line Break Requirements

3Q/14: LER 50-282/2014-002-00, EDG Declared Inoperable Due to Not Meeting High Energy Line Break Requirements reported on 8/4/14 has been cancelled. Unit 1 EDG were determined to be operable based on

engineering analysis. This is not a SSFF.

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14. The indicator value for 2Q2014 was revised to remove one SSFF (LER 50-282/2014-001-00) based on engineering analysis. The change did not affect the color of the indicator.

2Q/14: LER 50/282-2014-001-00, "D1/D2 EDGs Inoperable Due to Outside Air Temperature Greater Than 97 Degrees Fahrenheit" was submitted for Unit 1 on 6/24/14.

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)	-1.48E-08	-1.48E-08	-9.52E-09	2.82E-08	2.96E-08	3.08E-08	2.23E-08	2.39E-09
URI (ΔCDF)	-1.88E-08	-1.81E-08	-1.73E-08	-1.47E-08	-1.47E-08	-1.39E-08	-6.89E-08	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-08**	**-3.30E-08**	**-2.70E-08**	**1.30E-08**	**1.50E-08**	**1.70E-08**	**-4.70E-08**	**-1.00E-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.

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). 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 cross-tie breakers are no longer monitored components.

2Q/14: FAQ 14-08 was introduced to the ROP Task Force in November 2014 and finalized at March 2015 meeting. This documents basis for withdrawal of MSPI Failure associated with ICES 312270, 6/23/14 reverse power trip and lockout of Unit 1 EDG.

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)	5.41E-09	5.33E-09	5.75E-09	2.87E-09	-8.16E-09	-5.44E-09	-6.11E-09	-2.86E-09
URI (ΔCDF)	-2.30E-08	-2.31E-08	-2.30E-08	-2.40E-08	-2.32E-08	-2.28E-08	-2.07E-08	-2.42E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.80E-08**	**-1.80E-08**	**-1.70E-08**	**-2.10E-08**	**-3.10E-08**	**-2.80E-08**	**-2.70E-08**	**-2.70E-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). 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	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (ΔCDF)	-1.88E-08	-1.88E-08	-1.85E-08	-1.76E-08	-2.40E-08	-2.38E-08	-2.38E-08	-2.10E-08
URI (ΔCDF)	7.24E-08	7.37E-08	7.37E-08	1.02E-07	-1.35E-07	-1.32E-07	-1.27E-07	-7.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.40E-08**	**5.50E-08**	**5.50E-08**	**8.40E-08**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-9.60E-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). 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)	-1.83E-08	-1.83E-08	-1.83E-08	-1.71E-08	-1.71E-08	2.55E-08	1.75E-08	1.16E-08
URI (ΔCDF)	-8.15E-08	-8.15E-08	-1.07E-07	-1.11E-07	-1.23E-07	-1.24E-07	-1.05E-07	-5.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-1.00E-07**	**-1.30E-07**	**-1.30E-07**	**-1.40E-07**	**-9.90E-08**	**-8.70E-08**	**-4.60E-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). 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)	4.54E-07	4.39E-07	4.76E-07	2.30E-07	2.07E-07	2.11E-07	2.16E-07	1.64E-07
URI (ΔCDF)	-2.91E-08	-2.97E-08	-2.98E-08	-3.13E-08	-3.17E-08	-9.70E-08	-8.54E-08	-2.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.20E-07**	**4.10E-07**	**4.50E-07**	**2.00E-07**	**1.80E-07**	**1.10E-07**	**1.30E-07**	**1.40E-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.

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. Also, revised planned unavailability baseline value for the Unit 1 Loop B cooling Water Segment approverd 9/16/2015 is effective 10/1/2015. This reflects the performance of periodic internal coating inspection while Unit 1 is critical during Unit 2 refueling outage. 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). 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.

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	0.000059	0.000060	0.000060	0.000056	0.000055	0.000043	N/A	0.000029	0.000032	0.000031	0.000051
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	**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	0.000034	0.000040	0.000035	0.000042	0.000040	0.000039	0.000040	0.000041	0.000042	0.000043	0.000044	0.000049
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	**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	0.012	0.009	0.014	0.016	0.160	0.072	0.068	0.310	0.943	0.819	0.565	1.179
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**	**0.1**	**0.1**	**0.2**	**1.6**	**0.7**	**0.7**	**3.1**	**9.4**	**8.2**	**5.7**	**11.8**
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	1.247	0.115	0.101	0.112	0.096	0.096	0.156	0.163	0.260	0.165	0.172	0.188
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	**12.5**	**1.2**	**1.0**	**1.1**	**1.0**	**1.0**	**1.6**	**1.6**	**2.6**	**1.7**	**1.7**	**1.9**

Licensee Comments: none

Drill/Exercise Performance

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 1

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	1.0	0	0	0	0
Critical hours	2208.0	768.5	1778.7	1378.2	2208.0	2209.0	2183.0	2184.0
Indicator value	**0**	**0**	**0**	**1.1**	**1.1**	**0.9**	**0.9**	**0**

Licensee Comments: none

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	1.0	1.0	0	0	0	0	0	0
Critical hours	2208.0	768.5	1778.7	1378.2	2208.0	2209.0	2183.0	2184.0
Indicator value	**1.6**	**2.9**	**3.0**	**2.3**	**1.1**	**0**	**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	0	0	0	0	0	1	0	0
Indicator value	**1**	**0**	**0**	**0**	**0**	**1**	**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 50-282/2015-002-00, 14 Fan Coil Unit Leak (lower head) reported on 4/10/2015 has been cancelled. Based on engineering's analysis, containment leakage was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.

2Q/15: LER 50-282/2015-002-00, 4/10/2015, 14 Fan Coil Unit Leak (lower head)

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015 has been cancelled. Based on engineering analysis, containement was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015.

3Q/14: LER 50-282/2014-002-00, EDG Declared Inoperable Due to Not Meeting High Energy Line Break Requirements reported on 8/4/14 has been cancelled. Unit 1 EDG were determined to be operable based on engineering analysis. This is not a SSFF.

3Q/14: LER 50-282/2014-002-00, 8/4/14 EDG Declared Inoperable Due to Not Meeting High Energy Line Break

Requirements

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)	-1.48E-08	-9.52E-09	2.82E-08	2.96E-08	3.08E-08	2.23E-08	2.39E-09	1.95E-08
URI (ΔCDF)	-1.81E-08	-1.73E-08	-1.47E-08	-1.47E-08	-1.39E-08	-6.89E-08	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-2.70E-08**	**1.30E-08**	**1.50E-08**	**1.70E-08**	**-4.70E-08**	**-1.00E-07**	**-8.40E-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). 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 cross-tie breakers are no longer monitored components.

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)	5.33E-09	5.75E-09	2.87E-09	-8.16E-09	-5.44E-09	-6.11E-09	-2.86E-09	1.85E-08
URI (ΔCDF)	-2.31E-08	-2.30E-08	-2.40E-08	-2.32E-08	-2.28E-08	-2.07E-08	-2.42E-08	-2.42E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.80E-08**	**-1.70E-08**	**-2.10E-08**	**-3.10E-08**	**-2.80E-08**	**-2.70E-08**	**-2.70E-08**	**-5.80E-09**

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). 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	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-1.88E-08	-1.85E-08	-1.76E-08	-2.40E-08	-2.38E-08	-2.38E-08	-2.10E-08	-2.10E-08
URI (ΔCDF)	7.37E-08	7.37E-08	1.02E-07	-1.35E-07	-1.32E-07	-1.27E-07	-7.47E-08	-7.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.50E-08**	**5.50E-08**	**8.40E-08**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-9.60E-08**	**-9.70E-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). 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.

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)	-1.83E-08	-1.83E-08	-1.71E-08	-1.71E-08	2.55E-08	1.75E-08	1.16E-08	9.76E-09
URI (ΔCDF)	-8.15E-08	-1.07E-07	-1.11E-07	-1.23E-07	-1.24E-07	-1.05E-07	-5.80E-08	-5.84E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-1.30E-07**	**-1.30E-07**	**-1.40E-07**	**-9.90E-08**	**-8.70E-08**	**-4.60E-08**	**-4.90E-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). 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	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (ΔCDF)	4.39E-07	4.76E-07	2.30E-07	2.07E-07	2.11E-07	2.16E-07	1.64E-07	1.64E-07
URI (ΔCDF)	-2.97E-08	-2.98E-08	-3.13E-08	-3.17E-08	-9.70E-08	-8.54E-08	-2.13E-08	-2.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.10E-07**	**4.50E-07**	**2.00E-07**	**1.80E-07**	**1.10E-07**	**1.30E-07**	**1.40E-07**	**1.40E-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.

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. Also, revised planned unavailability baseline value for the Unit 1 Loop B cooling Water Segment approverd 9/16/2015 is effective 10/1/2015. This reflects the performance of periodic internal coating inspection while Unit 1 is critical during Unit 2 refueling outage. 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.

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	0.000060	0.000056	0.000055	0.000043	N/A	0.000029	0.000032	0.000031	0.000051	0.000034	0.000040	0.000035
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	**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	0.000042	0.000040	0.000039	0.000040	0.000041	0.000042	0.000043	0.000044	0.000049	0.000047	0.000054	0.000052
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	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum leakage	0.016	0.160	0.072	0.068	0.310	0.943	0.819	0.565	1.179	1.247	0.115	0.101
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**	**1.6**	**0.7**	**0.7**	**3.1**	**9.4**	**8.2**	**5.7**	**11.8**	**12.5**	**1.2**	**1.0**
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	0.112	0.096	0.096	0.156	0.163	0.260	0.165	0.172	0.188	0.237	0.291	0.178
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**	**1.0**	**1.0**	**1.6**	**1.6**	**2.6**	**1.7**	**1.7**	**1.9**	**2.4**	**2.9**	**1.8**

Licensee Comments: none

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 1

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	1.0	0	0	0	0	0
Critical hours	768.5	1778.7	1378.2	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	**0**	**0**	**1.1**	**1.1**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

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	1.0	0	0	0	0	0	0	0
Critical hours	768.5	1778.7	1378.2	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	**2.9**	**3.0**	**2.3**	**1.1**	**0**	**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	0	0	1	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**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 50-282/2015-002-00, 4/10/2015, 14 Fan Coil Unit Leak (lower head)

2Q/15: LER 50-282/2015-002-00, 14 Fan Coil Unit Leak (lower head) reported on 4/10/2015 has been cancelled. Based on engineering's analysis, containment leakage was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015 has been cancelled. Based on engineering analysis, containement was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015.

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)	-9.52E-09	2.82E-08	2.96E-08	3.08E-08	2.23E-08	2.39E-09	1.95E-08	4.46E-08
URI (ΔCDF)	-1.73E-08	-1.47E-08	-1.47E-08	-1.39E-08	-6.89E-08	-1.04E-07	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-08**	**1.30E-08**	**1.50E-08**	**1.70E-08**	**-4.70E-08**	**-1.00E-07**	**-8.40E-08**	**-5.90E-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). 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 cross-tie breakers

are no longer monitored components.

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)	5.75E-09	2.87E-09	-8.16E-09	-5.44E-09	-6.11E-09	-2.86E-09	1.85E-08	2.29E-08
URI (ΔCDF)	-2.30E-08	-2.40E-08	-2.32E-08	-2.28E-08	-2.07E-08	-2.42E-08	-2.42E-08	-2.42E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-08**	**-2.10E-08**	**-3.10E-08**	**-2.80E-08**	**-2.70E-08**	**-2.70E-08**	**-5.80E-09**	**-1.30E-09**

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). 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)	-1.85E-08	-1.76E-08	-2.40E-08	-2.38E-08	-2.38E-08	-2.10E-08	-2.10E-08	-2.10E-08
URI (ΔCDF)	7.37E-08	1.02E-07	-1.35E-07	-1.32E-07	-1.27E-07	-7.47E-08	-7.57E-08	-7.67E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.50E-08**	**8.40E-08**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-9.60E-08**	**-9.70E-08**	**-9.80E-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). 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)	-1.83E-08	-1.71E-08	-1.71E-08	2.55E-08	1.75E-08	1.16E-08	9.76E-09	1.87E-08
URI (ΔCDF)	-1.07E-07	-1.11E-07	-1.23E-07	-1.24E-07	-1.05E-07	-5.80E-08	-5.84E-08	-5.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.30E-07**	**-1.40E-07**	**-9.90E-08**	**-8.70E-08**	**-4.60E-08**	**-4.90E-08**	**-4.00E-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). 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	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	4.76E-07	2.30E-07	2.07E-07	2.11E-07	2.16E-07	1.64E-07	1.64E-07	1.53E-07
URI (ΔCDF)	-2.98E-08	-3.13E-08	-3.17E-08	-9.70E-08	-8.54E-08	-2.13E-08	-2.17E-08	-2.22E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.50E-07**	**2.00E-07**	**1.80E-07**	**1.10E-07**	**1.30E-07**	**1.40E-07**	**1.40E-07**	**1.30E-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. Also, revised planned unavailability baseline value for the Unit 1 Loop B cooling Water Segment approverd 9/16/2015 is effective 10/1/2015. This reflects the performance of periodic internal coating inspection while Unit 1 is critical during Unit 2 refueling outage. 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). 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.

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	0.000043	N/A	0.000029	0.000032	0.000031	0.000051	0.000034	0.000040	0.000035	0.000042	0.000040	0.000039
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	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	0.000040	0.000041	0.000042	0.000043	0.000044	0.000049	0.000047	0.000054	0.000052	0.000052	0.000129	0.000057
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	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum leakage	0.068	0.310	0.943	0.819	0.565	1.179	1.247	0.115	0.101	0.112	0.096	0.096
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**	**3.1**	**9.4**	**8.2**	**5.7**	**11.8**	**12.5**	**1.2**	**1.0**	**1.1**	**1.0**	**1.0**
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	0.156	0.163	0.260	0.165	0.172	0.188	0.237	0.291	0.178	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	**1.6**	**1.6**	**2.6**	**1.7**	**1.7**	**1.9**	**2.4**	**2.9**	**1.8**	**0**	**0**	**0**

Licensee Comments: none

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 1

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	1.0	0	0	0	0	0	0
Critical hours	1778.7	1378.2	2208.0	2209.0	2183.0	2184.0	2208.0	1349.3
Indicator value	**0**	**1.1**	**1.1**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

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	0	0	0	0	0	0	0	0
Critical hours	1778.7	1378.2	2208.0	2209.0	2183.0	2184.0	2208.0	1349.3
Indicator value	**3.0**	**2.3**	**1.1**	**0**	**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	0	0	1	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**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 50-282/2015-002-00, 4/10/2015, 14 Fan Coil Unit Leak (lower head)

2Q/15: LER 50-282/2015-002-00, 14 Fan Coil Unit Leak (lower head) reported on 4/10/2015 has been cancelled. Based on engineering's analysis, containment leakage was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015 has been cancelled. Based on engineering analysis, containement was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.

1Q/15: LER 50-282/2015-001-00, for 14 Fan Coil Unit Leak reported on 1/16/2015.

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)	2.82E-08	2.96E-08	3.08E-08	2.23E-08	2.39E-09	1.95E-08	4.46E-08	1.56E-07
URI (ΔCDF)	-1.47E-08	-1.47E-08	-1.39E-08	-6.89E-08	-1.04E-07	-1.04E-07	-1.04E-07	1.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-08**	**1.50E-08**	**1.70E-08**	**-4.70E-08**	**-1.00E-07**	**-8.40E-08**	**-5.90E-08**	**1.70E-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.

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). 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 cross-tie breakers are no longer monitored components.

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)	2.87E-09	-8.16E-09	-5.44E-09	-6.11E-09	-2.86E-09	1.85E-08	2.29E-08	2.46E-08
URI (ΔCDF)	-2.40E-08	-2.32E-08	-2.28E-08	-2.07E-08	-2.42E-08	-2.42E-08	-2.42E-08	-2.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-08**	**-3.10E-08**	**-2.80E-08**	**-2.70E-08**	**-2.70E-08**	**-5.80E-09**	**-1.30E-09**	**2.40E-10**

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). 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)	-1.76E-08	-2.40E-08	-2.38E-08	-2.38E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.01E-08
URI (ΔCDF)	1.02E-07	-1.35E-07	-1.32E-07	-1.27E-07	-7.47E-08	-7.57E-08	-7.67E-08	-7.76E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.40E-08**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-9.60E-08**	**-9.70E-08**	**-9.80E-08**	**-9.80E-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). 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)	-1.71E-08	-1.71E-08	2.55E-08	1.75E-08	1.16E-08	9.76E-09	1.87E-08	3.02E-08
URI (ΔCDF)	-1.11E-07	-1.23E-07	-1.24E-07	-1.05E-07	-5.80E-08	-5.84E-08	-5.86E-08	-6.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.40E-07**	**-9.90E-08**	**-8.70E-08**	**-4.60E-08**	**-4.90E-08**	**-4.00E-08**	**-3.50E-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). 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, 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/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	2.30E-07	2.07E-07	2.11E-07	2.16E-07	1.64E-07	1.64E-07	1.53E-07	1.58E-07
URI (ΔCDF)	-3.13E-08	-3.17E-08	-9.70E-08	-8.54E-08	-2.13E-08	-2.17E-08	-2.22E-08	-2.22E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**2.00E-07**	**1.80E-07**	**1.10E-07**	**1.30E-07**	**1.40E-07**	**1.40E-07**	**1.30E-07**	**1.40E-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.

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. Also, revised planned unavailability baseline value for the Unit 1 Loop B cooling Water Segment approverd 9/16/2015 is effective 10/1/2015. This reflects the performance of periodic internal coating inspection while Unit 1 is critical during Unit 2 refueling outage. 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). 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	0.000032	0.000031	0.000051	0.000034	0.000040	0.000035	0.000042	0.000040	0.000039	0.000040	0.000041	0.000042
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	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**	**10/16**	**11/16**	**12/16**
Maximum activity	0.000043	0.000044	0.000049	0.000047	0.000054	0.000052	0.000052	0.000129	0.000057	0.000050	0.000028	0.000038
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	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	0.819	0.565	1.179	1.247	0.115	0.101	0.112	0.096	0.096	0.156	0.163	0.260
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	**8.2**	**5.7**	**11.8**	**12.5**	**1.2**	**1.0**	**1.1**	**1.0**	**1.0**	**1.6**	**1.6**	**2.6**

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	0.165	0.172	0.188	0.237	0.291	0.178	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	**1.7**	**1.7**	**1.9**	**2.4**	**2.9**	**1.8**	**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 1 – 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)

Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0	0	0	0	0
Critical hours	1378.2	2208.0	2209.0	2183.0	2184.0	2208.0	1349.3	2159.0
Indicator value	**1.1**	**1.1**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

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	1378.2	2208.0	2209.0	2183.0	2184.0	2208.0	1349.3	2159.0
Indicator value	**2.3**	**1.1**	**0**	**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	0	0	1	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**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 50-282/2015-002-00, 14 Fan Coil Unit Leak (lower head) reported on 4/10/2015 has been cancelled. Based on engineering's analysis, containment leakage was less than the available leakage margin. The safety function to control the release of radioactive material was not lost.
2Q/15: LER 50-282/2015-002-00, 4/10/2015, 14 Fan Coil Unit Leak (lower head)

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)	2.96E-08	3.08E-08	2.23E-08	2.39E-09	1.95E-08	4.46E-08	1.56E-07	1.61E-07
URI (ΔCDF)	-1.47E-08	-1.39E-08	-6.89E-08	-1.04E-07	-1.04E-07	-1.04E-07	1.07E-08	6.66E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-08**	**1.70E-08**	**-4.70E-08**	**-1.00E-07**	**-8.40E-08**	**-5.90E-08**	**1.70E-07**	**1.70E-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, 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)	-8.16E-09	-5.44E-09	-6.11E-09	-2.86E-09	1.85E-08	2.29E-08	2.46E-08	2.92E-08
URI (ΔCDF)	-2.32E-08	-2.28E-08	-2.07E-08	-2.42E-08	-2.42E-08	-2.42E-08	-2.44E-08	-2.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.10E-08**	**-2.80E-08**	**-2.70E-08**	**-2.70E-08**	**-5.80E-09**	**-1.30E-09**	**2.40E-10**	**4.10E-09**

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, 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)	-2.40E-08	-2.38E-08	-2.38E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.01E-08	-1.89E-08
URI (ΔCDF)	-1.35E-07	-1.32E-07	-1.27E-07	-7.47E-08	-7.57E-08	-7.67E-08	-7.76E-08	-7.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-9.60E-08**	**-9.70E-08**	**-9.80E-08**	**-9.80E-08**	**-9.30E-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.
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)	-1.71E-08	2.55E-08	1.75E-08	1.16E-08	9.76E-09	1.87E-08	3.02E-08	3.11E-08
URI (ΔCDF)	-1.23E-07	-1.24E-07	-1.05E-07	-5.80E-08	-5.84E-08	-5.86E-08	-6.56E-08	-6.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-9.90E-08**	**-8.70E-08**	**-4.60E-08**	**-4.90E-08**	**-4.00E-08**	**-3.50E-08**	**-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.
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)	2.07E-07	2.11E-07	2.16E-07	1.64E-07	1.64E-07	1.53E-07	1.58E-07	8.87E-08
URI (ΔCDF)	-3.17E-08	-9.70E-08	-8.54E-08	-2.13E-08	-2.17E-08	-2.22E-08	-2.22E-08	-6.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-07**	**1.10E-07**	**1.30E-07**	**1.40E-07**	**1.40E-07**	**1.30E-07**	**1.40E-07**	**2.00E-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. Also, revised planned unavailability baseline value for the Unit 1 Loop B cooling Water Segment approverd 9/16/2015 is effective 10/1/2015. This reflects the performance of periodic internal coating inspection while Unit 1 is critical during Unit 2 refueling outage. 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.

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	0.000034	0.000040	0.000035	0.000042	0.000040	0.000039	0.000040	0.000041	0.000042	0.000043	0.000044	0.000049
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	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum activity	0.000047	0.000054	0.000052	0.000052	0.000129	0.000057	0.000050	0.000028	0.000038	0.000031	0.000036	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**	**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	1.247	0.115	0.101	0.112	0.096	0.096	0.156	0.163	0.260	0.165	0.172	0.188
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	**12.5**	**1.2**	**1.0**	**1.1**	**1.0**	**1.0**	**1.6**	**1.6**	**2.6**	**1.7**	**1.7**	**1.9**

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	0.237	0.291	0.178	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	**2.4**	**2.9**	**1.8**	**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 1 – 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)
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- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
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- 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	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	1349.3	2159.0	2184.0
Indicator value	**1.1**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

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	2209.0	2183.0	2184.0	2208.0	1349.3	2159.0	2184.0
Indicator value	**1.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

TOP

Licensee Comments: none

Unplanned Scrams with Complications

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	**0**	**1**	**1**	**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

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)	3.08E-08	2.23E-08	2.39E-09	1.95E-08	4.46E-08	1.56E-07	1.61E-07	1.55E-07
URI (ΔCDF)	-1.39E-08	-6.89E-08	-1.04E-07	-1.04E-07	-1.04E-07	1.07E-08	6.66E-09	9.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-08**	**-4.70E-08**	**-1.00E-07**	**-8.40E-08**	**-5.90E-08**	**1.70E-07**	**1.70E-07**	**1.60E-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, 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)	-5.44E-09	-6.11E-09	-2.86E-09	1.85E-08	2.29E-08	2.46E-08	2.92E-08	2.93E-08
URI (ΔCDF)	-2.28E-08	-2.07E-08	-2.42E-08	-2.42E-08	-2.42E-08	-2.44E-08	-2.51E-08	-2.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-08**	**-2.70E-08**	**-2.70E-08**	**-5.80E-09**	**-1.30E-09**	**2.40E-10**	**4.10E-09**	**4.20E-09**

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)	-2.38E-08	-2.38E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.01E-08	-1.89E-08	-1.89E-08
URI (ΔCDF)	-1.32E-07	-1.27E-07	-7.47E-08	-7.57E-08	-7.67E-08	-7.76E-08	-7.38E-08	-7.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.50E-07**	**-9.60E-08**	**-9.70E-08**	**-9.80E-08**	**-9.80E-08**	**-9.30E-08**	**-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, 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)	2.55E-08	1.75E-08	1.16E-08	9.76E-09	1.87E-08	3.02E-08	3.11E-08	3.32E-08
URI (ΔCDF)	-1.24E-07	-1.05E-07	-5.80E-08	-5.84E-08	-5.86E-08	-6.56E-08	-6.52E-08	-6.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.90E-08**	**-8.70E-08**	**-4.60E-08**	**-4.90E-08**	**-4.00E-08**	**-3.50E-08**	**-3.40E-08**	**-3.20E-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, Cooling Water Systems	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	2.11E-07	2.16E-07	1.64E-07	1.64E-07	1.53E-07	1.58E-07	8.87E-08	7.96E-08
URI (ΔCDF)	-9.70E-08	-8.54E-08	-2.05E-08	-2.07E-08	-2.11E-08	-2.10E-08	-6.69E-08	-6.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**1.30E-07**	**1.40E-07**	**1.40E-07**	**1.30E-07**	**1.40E-07**	**2.20E-08**	**1.30E-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. Also, revised planned unavailability baseline value for the Unit 1 Loop B cooling Water Segment approverd 9/16/2015 is effective 10/1/2015. This reflects the performance of periodic internal coating inspection while Unit 1 is critical during Unit 2 refueling outage. 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	0.000042	0.000040	0.000039	0.000040	0.000041	0.000042	0.000043	0.000044	0.000049	0.000047	0.000054	0.000052
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	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum activity	0.000052	0.000129	0.000057	0.000050	0.000028	0.000038	0.000031	0.000036	0.000047	0.000034	0.000036	0.000036
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	0.112	0.096	0.096	0.156	0.163	0.260	0.165	0.172	0.188	0.237	0.291	0.178
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**	**1.0**	**1.0**	**1.6**	**1.6**	**2.6**	**1.7**	**1.7**	**1.9**	**2.4**	**2.9**	**1.8**

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%**

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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

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Prairie Island 1 – 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)
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- 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	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	1349.3	2159.0	2184.0	2208.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

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	2209.0	2183.0	2184.0	2208.0	1349.3	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

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	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**

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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)	2.23E-08	2.39E-09	1.95E-08	4.46E-08	1.56E-07	1.61E-07	1.55E-07	1.51E-07
URI (ΔCDF)	-6.89E-08	-1.04E-07	-1.04E-07	-1.04E-07	1.07E-08	6.66E-09	9.00E-09	1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-08**	**-1.00E-07**	**-8.40E-08**	**-5.90E-08**	**1.70E-07**	**1.70E-07**	**1.60E-07**	**2.70E-07**

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Licensee Comments:
3Q/17: Engineering evaluation of Unit 1 EAC failure on September 24, 2017 is pending. The failure event is preliminarily submitted as a failure to load/run.
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)	-6.11E-09	-2.86E-09	1.85E-08	2.29E-08	2.46E-08	2.92E-08	2.93E-08	2.94E-08
URI (ΔCDF)	-2.07E-08	-2.42E-08	-2.42E-08	-2.42E-08	-2.44E-08	-2.51E-08	-2.51E-08	-2.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-08**	**-2.70E-08**	**-5.80E-09**	**-1.30E-09**	**2.40E-10**	**4.10E-09**	**4.20E-09**	**4.30E-09**

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)	-2.38E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.01E-08	-1.89E-08	-1.89E-08	-1.89E-08
URI (ΔCDF)	-1.27E-07	-7.47E-08	-7.57E-08	-7.67E-08	-7.76E-08	-7.38E-08	-7.47E-08	-7.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-9.60E-08**	**-9.70E-08**	**-9.80E-08**	**-9.80E-08**	**-9.30E-08**	**-9.40E-08**	**-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.

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)	1.75E-08	1.16E-08	9.76E-09	1.87E-08	3.02E-08	3.11E-08	3.32E-08	1.56E-08
URI (ΔCDF)	-1.05E-07	-5.80E-08	-5.84E-08	-5.86E-08	-6.56E-08	-6.52E-08	-6.54E-08	-6.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.70E-08**	**-4.60E-08**	**-4.90E-08**	**-4.00E-08**	**-3.50E-08**	**-3.40E-08**	**-3.20E-08**	**-5.00E-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)	2.16E-07	1.64E-07	1.64E-07	1.53E-07	1.58E-07	8.87E-08	7.96E-08	7.09E-08
URI (ΔCDF)	-8.54E-08	-2.05E-08	-2.07E-08	-2.11E-08	-2.10E-08	-6.69E-08	-6.69E-08	-6.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-07**	**1.40E-07**	**1.40E-07**	**1.30E-07**	**1.40E-07**	**2.20E-08**	**1.30E-08**	**4.70E-09**

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	0.000040	0.000041	0.000042	0.000043	0.000044	0.000049	0.000047	0.000054	0.000052	0.000052	0.000129	0.000057
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	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum activity	0.000050	0.000028	0.000038	0.000031	0.000036	0.000047	0.000034	0.000036	0.000036	0.000039	0.000042	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**

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

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	0.156	0.163	0.260	0.165	0.172	0.188	0.237	0.291	0.178	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	**1.6**	**1.6**	**2.6**	**1.7**	**1.7**	**1.9**	**2.4**	**2.9**	**1.8**	**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	0.142	0.142	0.142
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**	**1.4**	**1.4**	**1.4**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

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 1 – Quarterly Performance Indicators

4Q/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	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	2183.0	2184.0	2208.0	1349.3	2159.0	2184.0	2208.0	2209.0
Indicator value	**0.9**	**0**	**0**	**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	0	0
Critical hours	2183.0	2184.0	2208.0	1349.3	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.8**

TOP

Licensee Comments: none

Unplanned Scrams with Complications

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	**1**	**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)	2.39E-09	1.95E-08	4.46E-08	1.56E-07	1.61E-07	1.55E-07	1.51E-07	2.05E-07
URI (ΔCDF)	-1.04E-07	-1.04E-07	-1.04E-07	1.07E-08	6.66E-09	9.00E-09	1.20E-07	1.22E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-8.40E-08**	**-5.90E-08**	**1.70E-07**	**1.70E-07**	**1.60E-07**	**2.70E-07**	**3.30E-07**

TOP

Licensee Comments:
3Q/17: Engineering evaluation of Unit 1 EAC failure on September 24, 2017 is pending. The failure event is preliminarily submitted as a failure to load/run.
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)	-2.86E-09	1.85E-08	2.29E-08	2.46E-08	2.92E-08	2.93E-08	2.94E-08	2.63E-08
URI (ΔCDF)	-2.42E-08	-2.42E-08	-2.42E-08	-2.44E-08	-2.51E-08	-2.51E-08	-2.51E-08	-2.51E-08

PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-08**	**-5.80E-09**	**-1.30E-09**	**2.40E-10**	**4.10E-09**	**4.20E-09**	**4.30E-09**	**1.20E-09**

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	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**	**1Q/17**	**2Q/17**	**3Q/17**	**4Q/17**
UAI (ΔCDF)	-2.10E-08	-2.10E-08	-2.10E-08	-2.01E-08	-1.89E-08	-1.89E-08	-1.89E-08	-1.89E-08
URI (ΔCDF)	-7.47E-08	-7.57E-08	-7.67E-08	-7.76E-08	-7.38E-08	-7.47E-08	-7.55E-08	-7.63E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.60E-08**	**-9.70E-08**	**-9.80E-08**	**-9.80E-08**	**-9.30E-08**	**-9.40E-08**	**-9.40E-08**	**-9.50E-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.

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)	1.16E-08	9.76E-09	1.87E-08	3.02E-08	3.11E-08	3.32E-08	1.56E-08	8.15E-09
URI (ΔCDF)	-5.80E-08	-5.84E-08	-5.86E-08	-6.56E-08	-6.52E-08	-6.54E-08	-6.56E-08	-5.53E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.60E-08**	**-4.90E-08**	**-4.00E-08**	**-3.50E-08**	**-3.40E-08**	**-3.20E-08**	**-5.00E-08**	**-4.70E-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.

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)	1.64E-07	1.64E-07	1.53E-07	1.58E-07	8.87E-08	7.96E-08	7.09E-08	7.58E-08
URI (ΔCDF)	-2.05E-08	-2.07E-08	-2.11E-08	-2.10E-08	-6.69E-08	-6.69E-08	-6.62E-08	-6.59E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-07**	**1.40E-07**	**1.30E-07**	**1.40E-07**	**2.20E-08**	**1.30E-08**	**4.70E-09**	**9.90E-09**

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	0.000043	0.000044	0.000049	0.000047	0.000054	0.000052	0.000052	0.000129	0.000057	0.000050	0.000028	0.000038
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	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum activity	0.000031	0.000036	0.000047	0.000034	0.000036	0.000036	0.000039	0.000042	0.000041	0.000042	0.000049	0.000048
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	0.165	0.172	0.188	0.237	0.291	0.178	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	**1.7**	**1.7**	**1.9**	**2.4**	**2.9**	**1.8**	**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	0.142	0.142	0.142	0	0	0.142
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**	**1.4**	**1.4**	**1.4**	**0**	**0**	**1.4**

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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