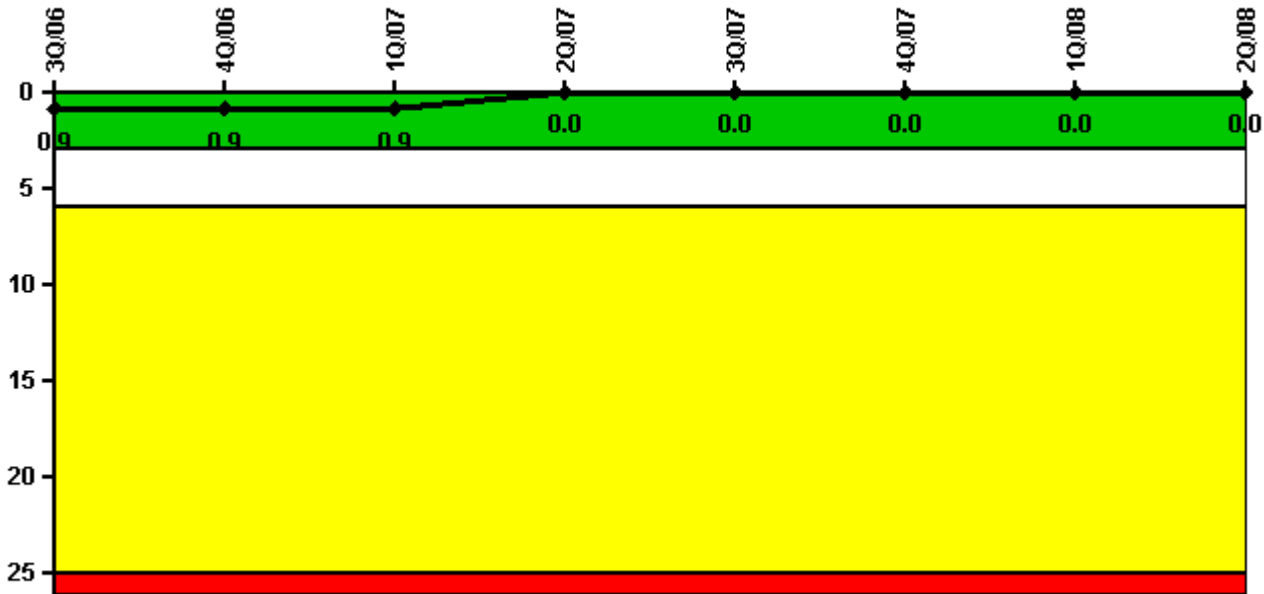


# Prairie Island 1

## 2Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



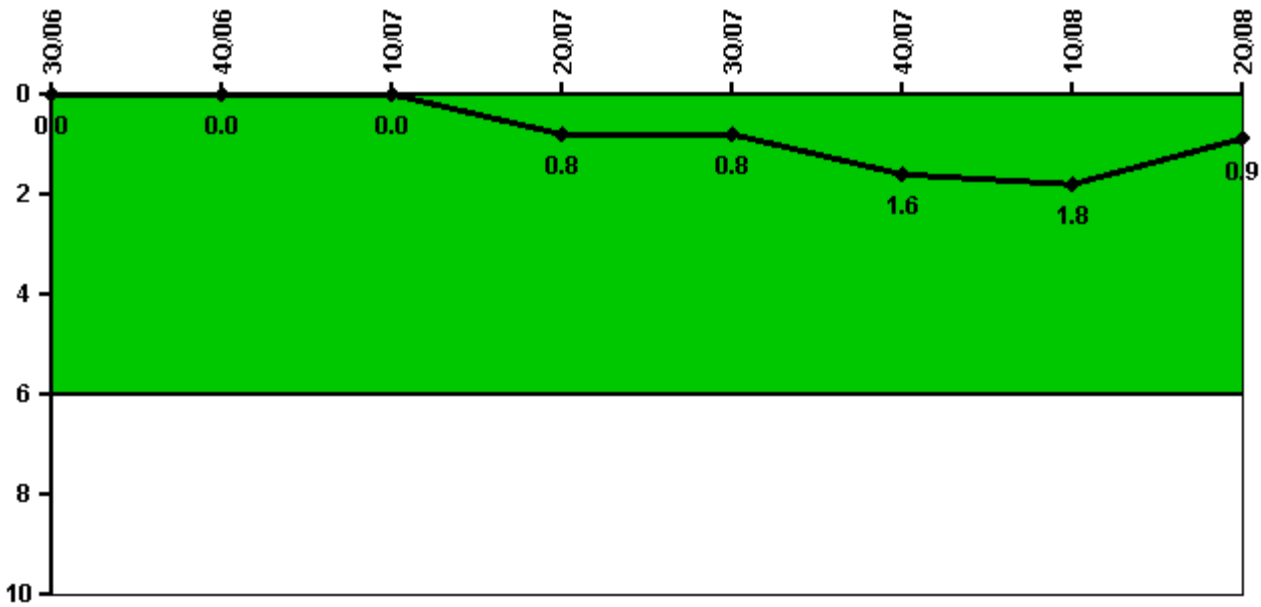
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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



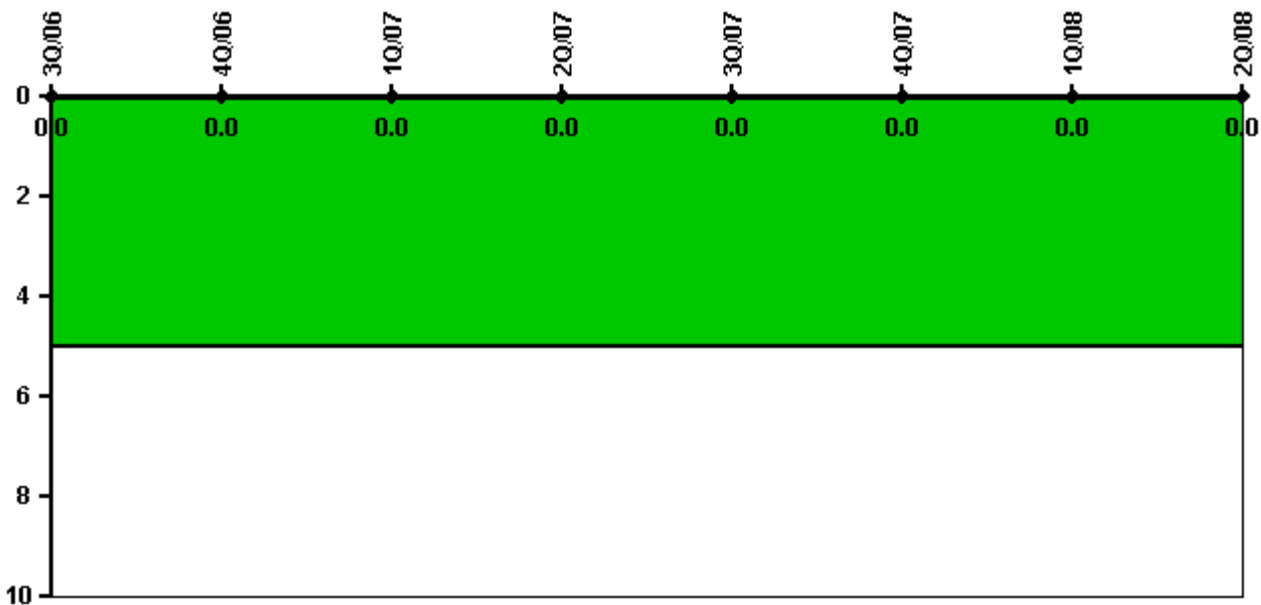
Thresholds: White > 1.0

## 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)



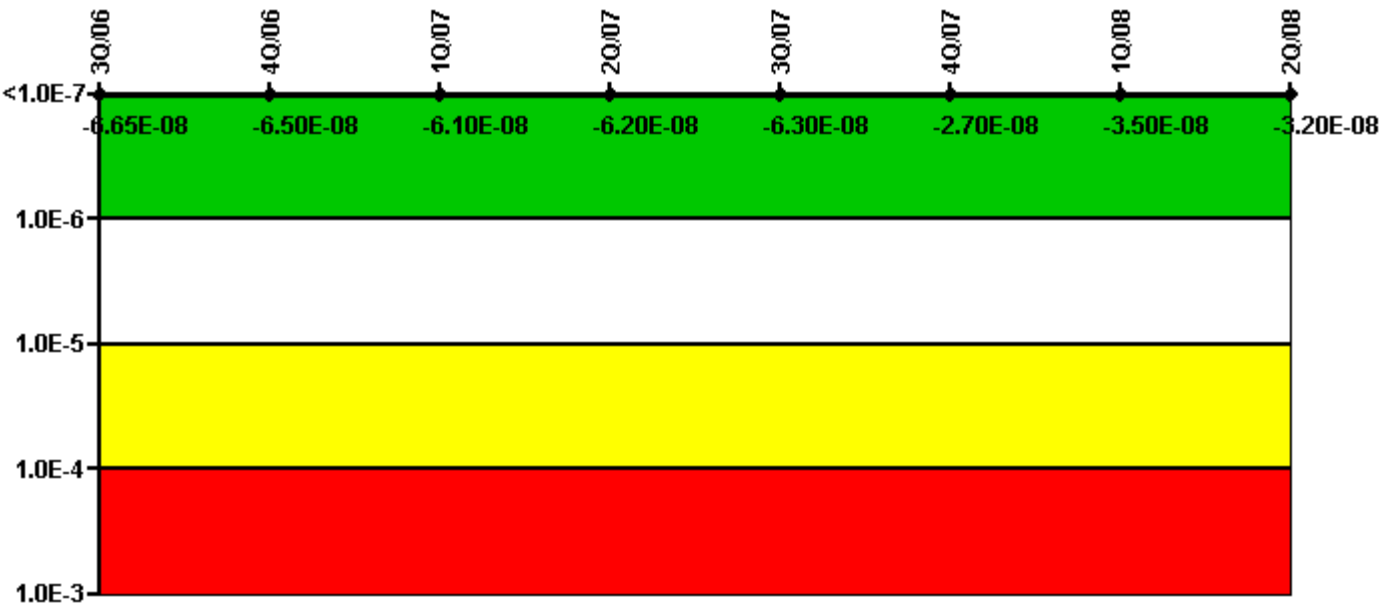
Thresholds: White > 5.0

## 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



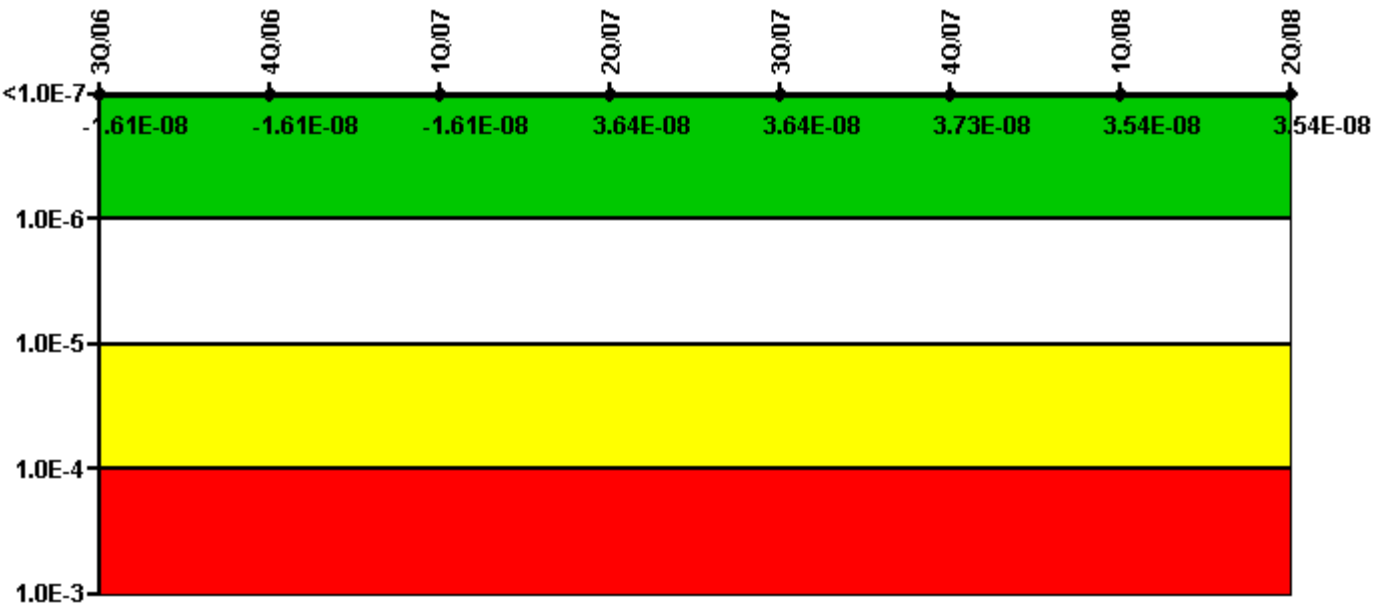
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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



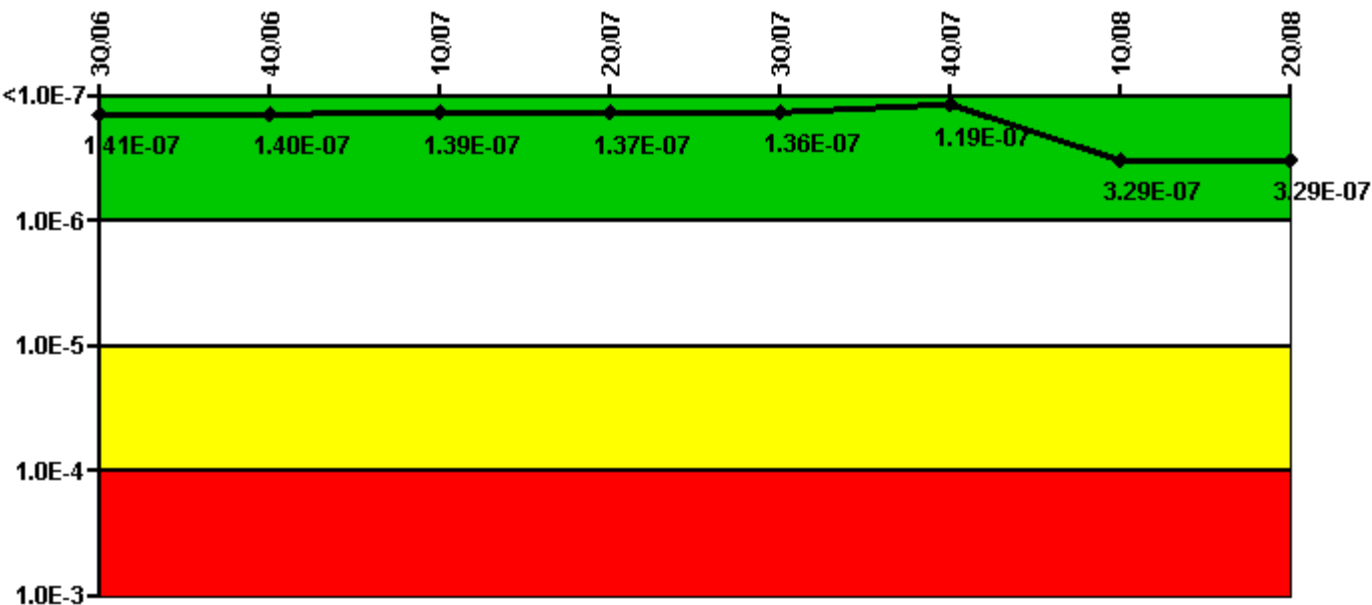
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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 ( $\Delta$ CDF)	-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 ( $\Delta$ CDF)	-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

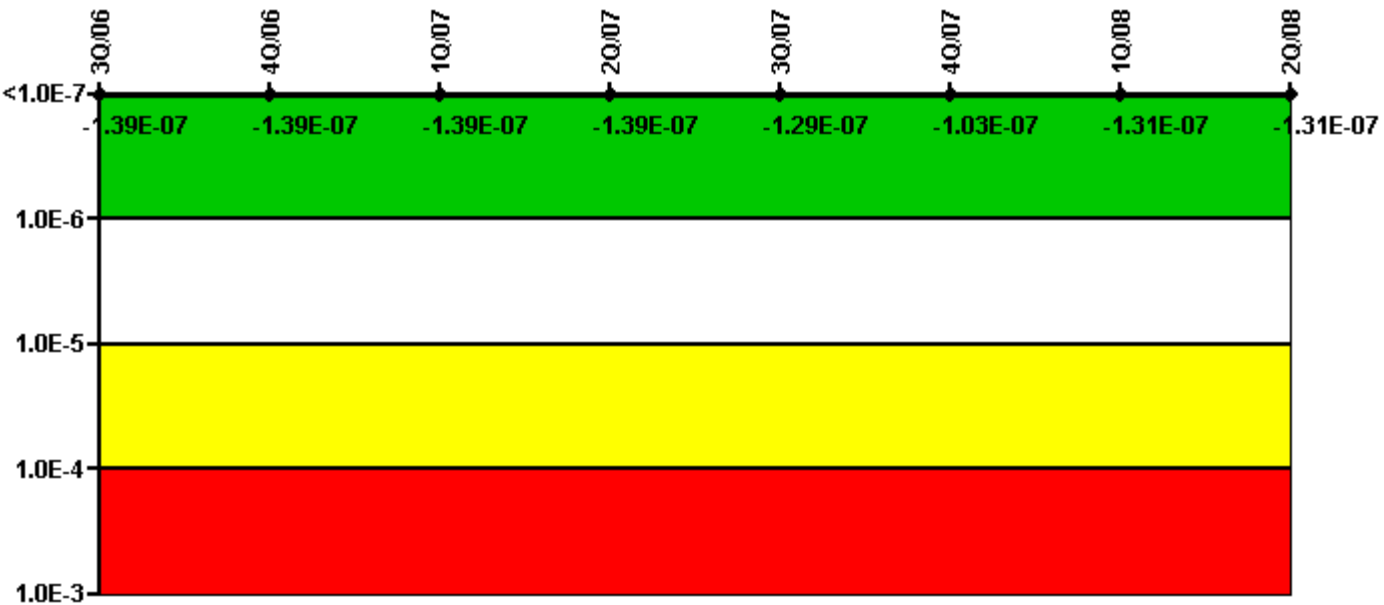
Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	1.10E-08	9.90E-09	9.00E-09	6.50E-09	5.80E-09	-1.10E-08	-1.40E-09	-1.40E-09
URI ( $\Delta$ CDF)	1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	3.30E-07	3.30E-07
PLE	NO	NO	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) Unavailability 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

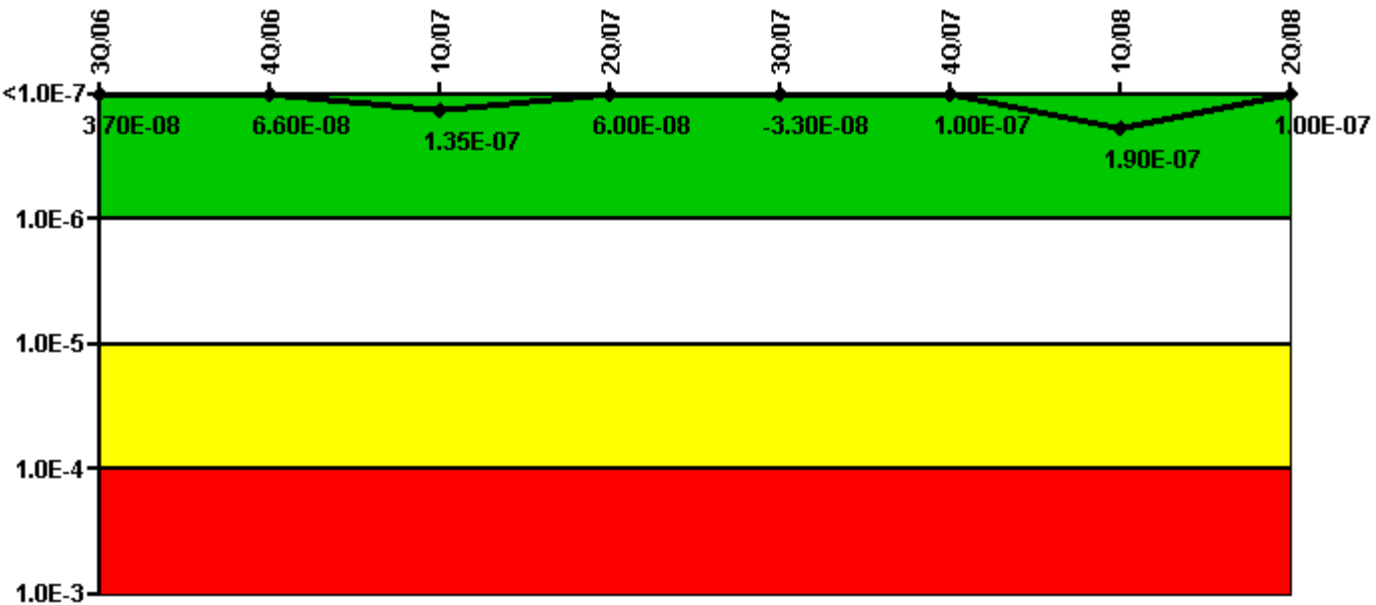
## Notes

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 ( $\Delta$ CDF)	-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 ( $\Delta$ CDF)	-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



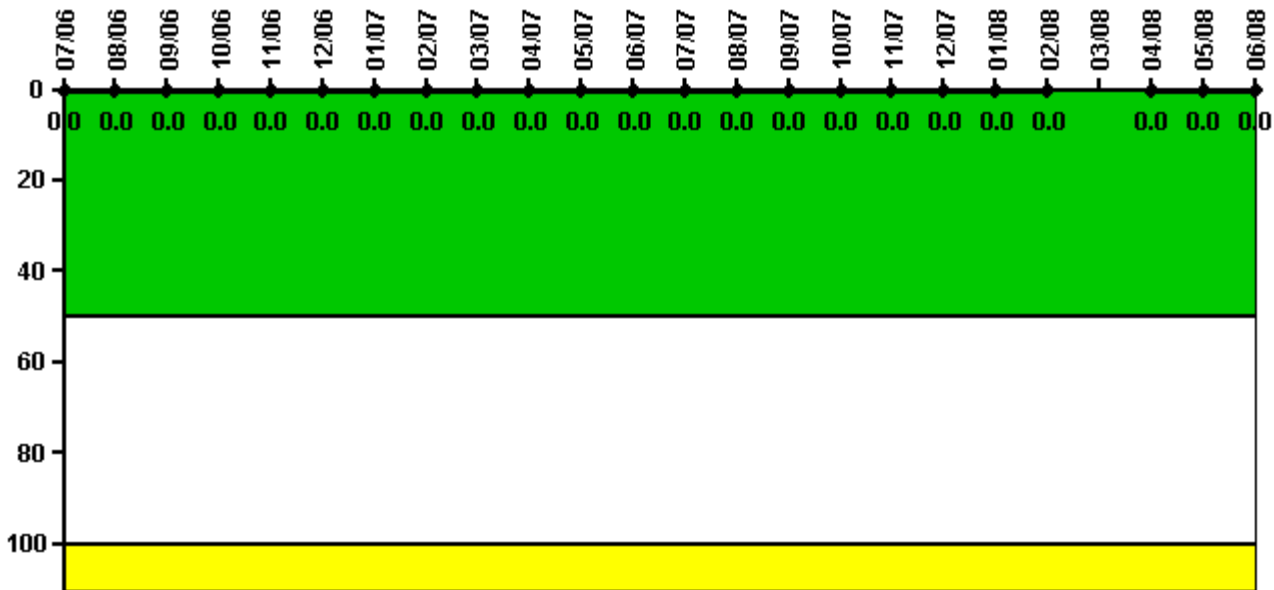
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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

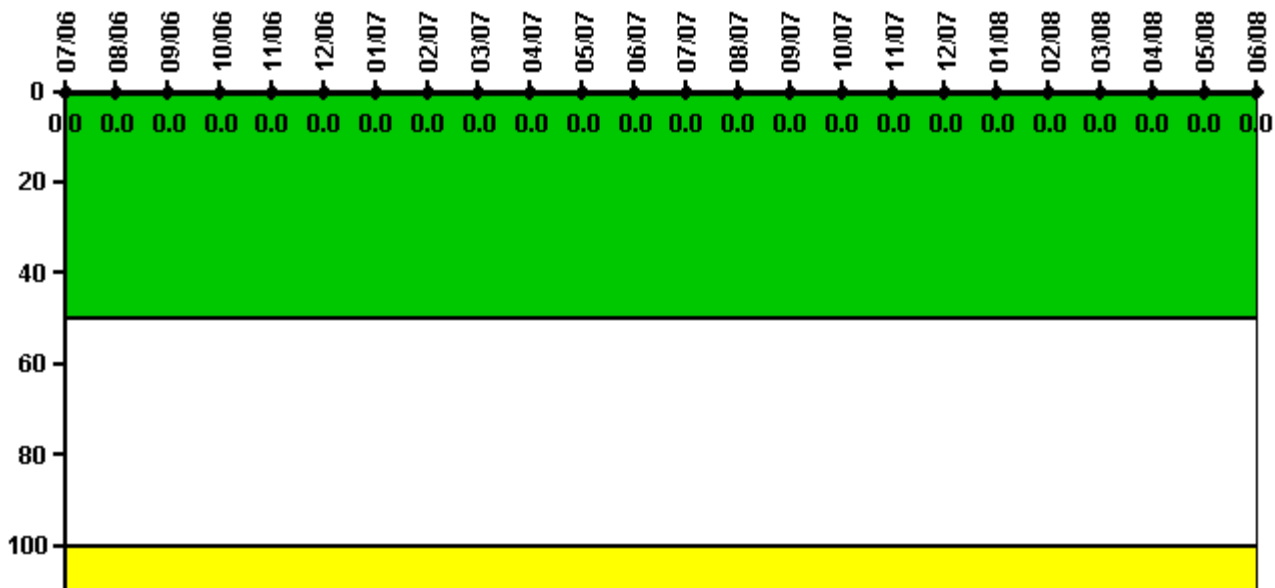
Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000190	0.000130	0.000130	0.000260	0.000140	0.000150	0.000150	0.000140	0.000150	0.000150	0.000150	0.000160
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator 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



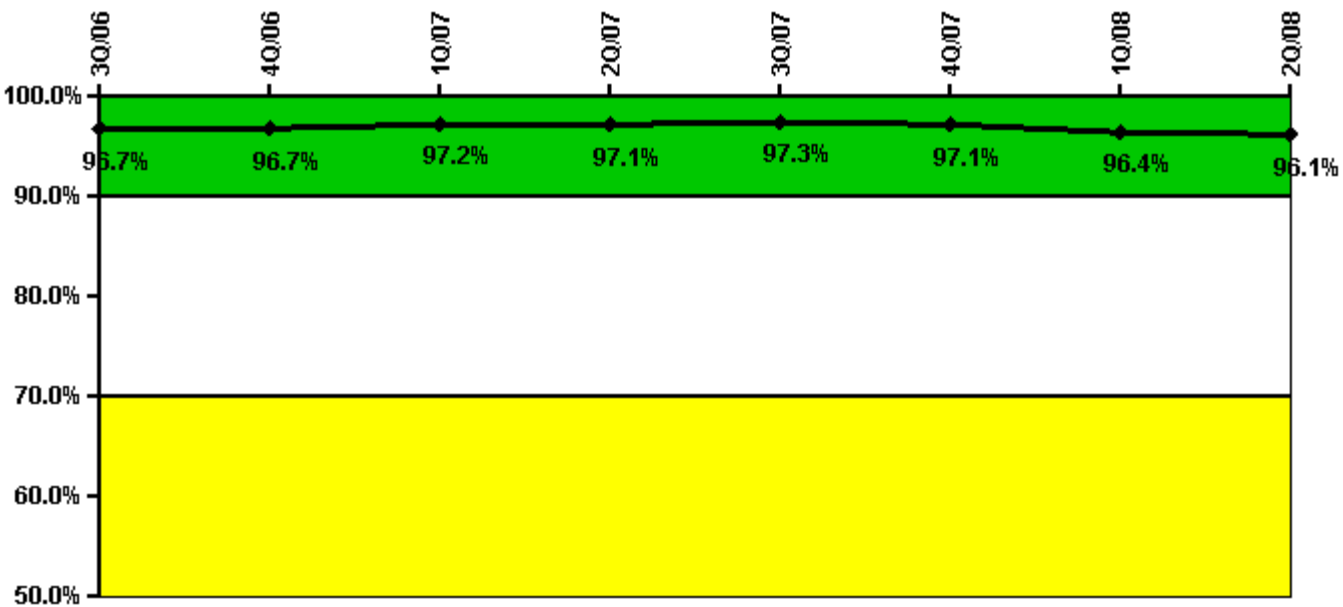
Thresholds: White > 50.0 Yellow > 100.0

## 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



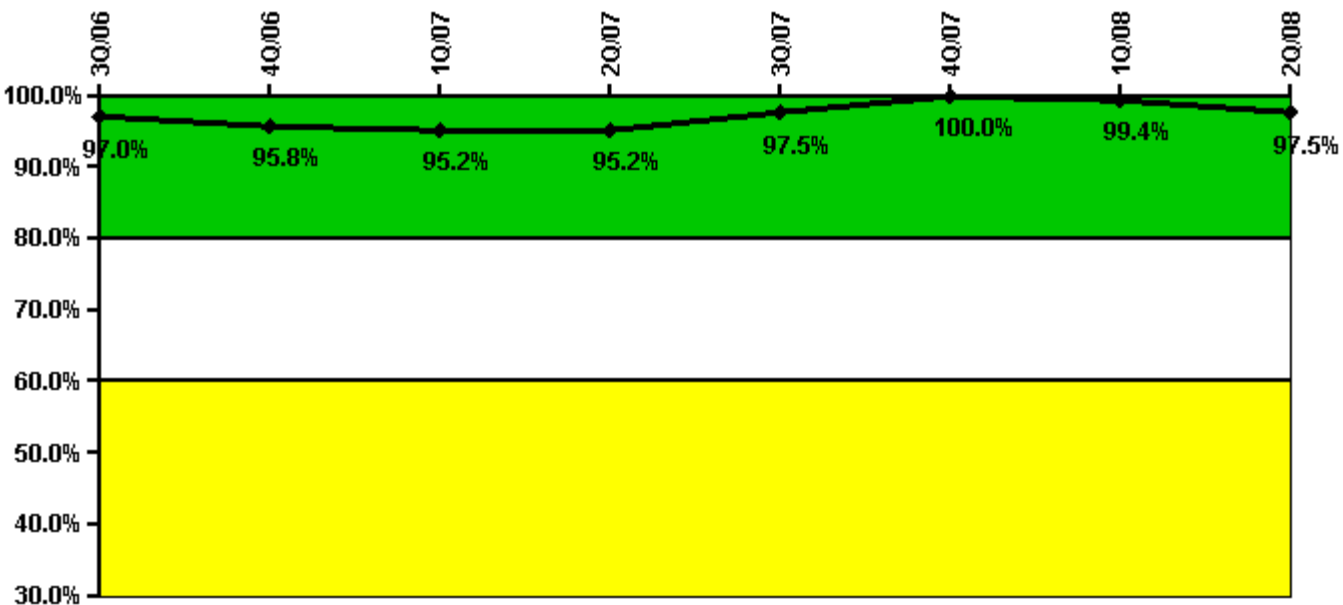
Thresholds: White < 90.0% Yellow < 70.0%

## 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



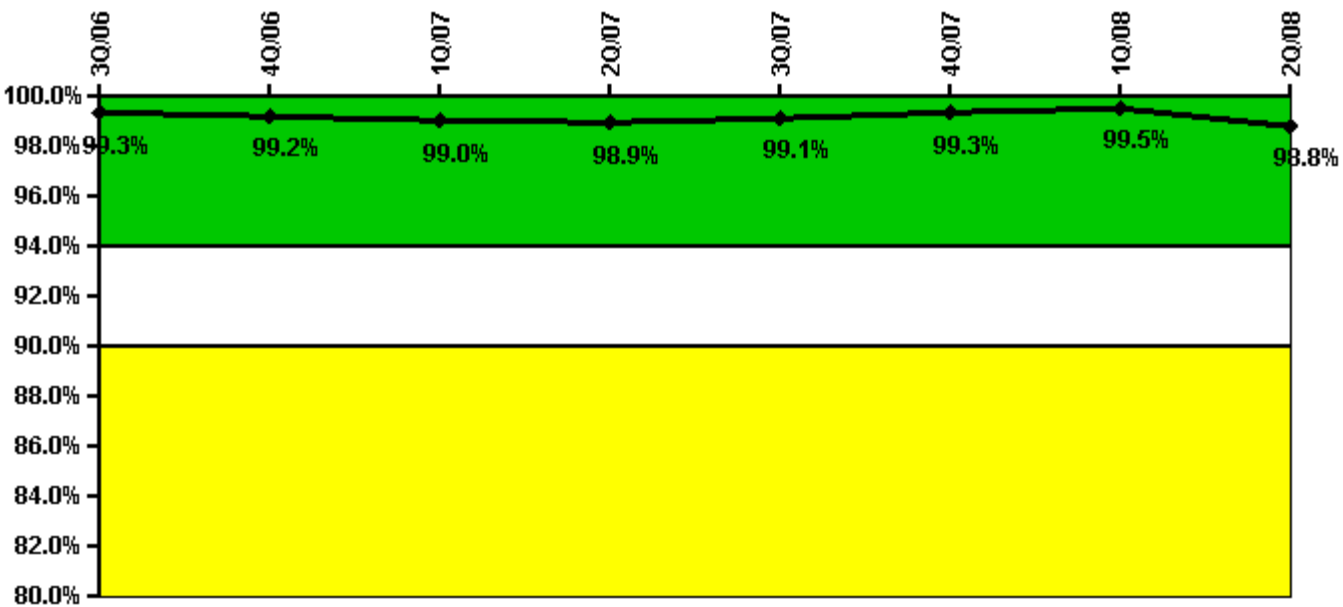
Thresholds: White < 80.0% Yellow < 60.0%

## 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



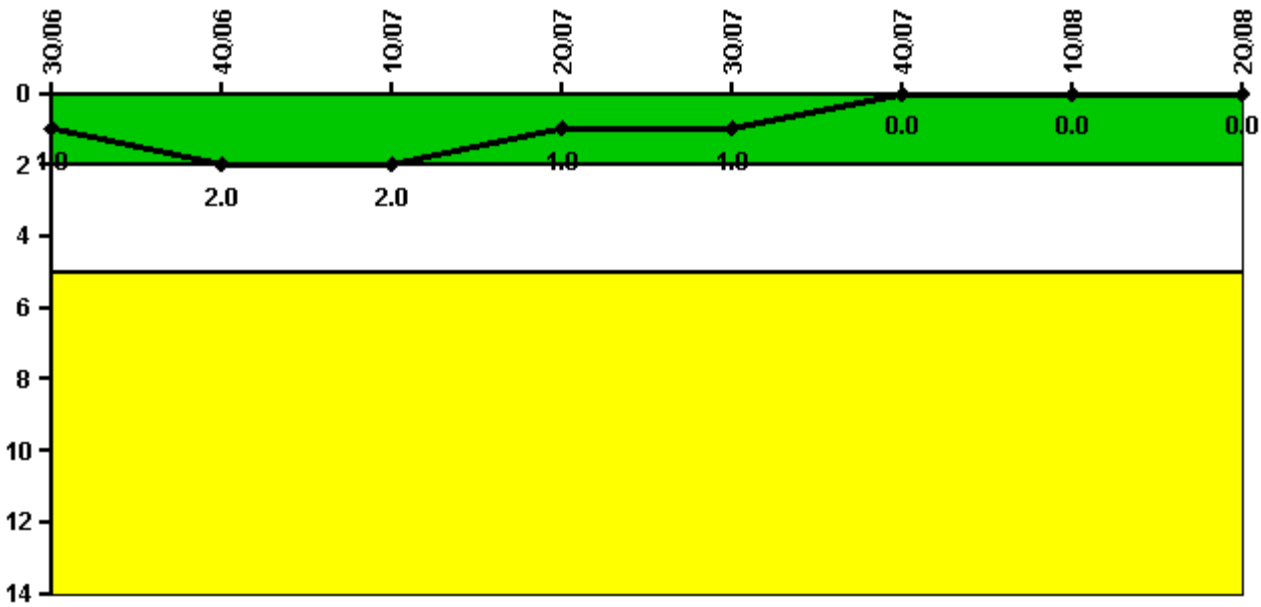
Thresholds: White < 94.0% Yellow < 90.0%

## 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
<b>Indicator value</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

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.

▲ [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: August 4, 2008