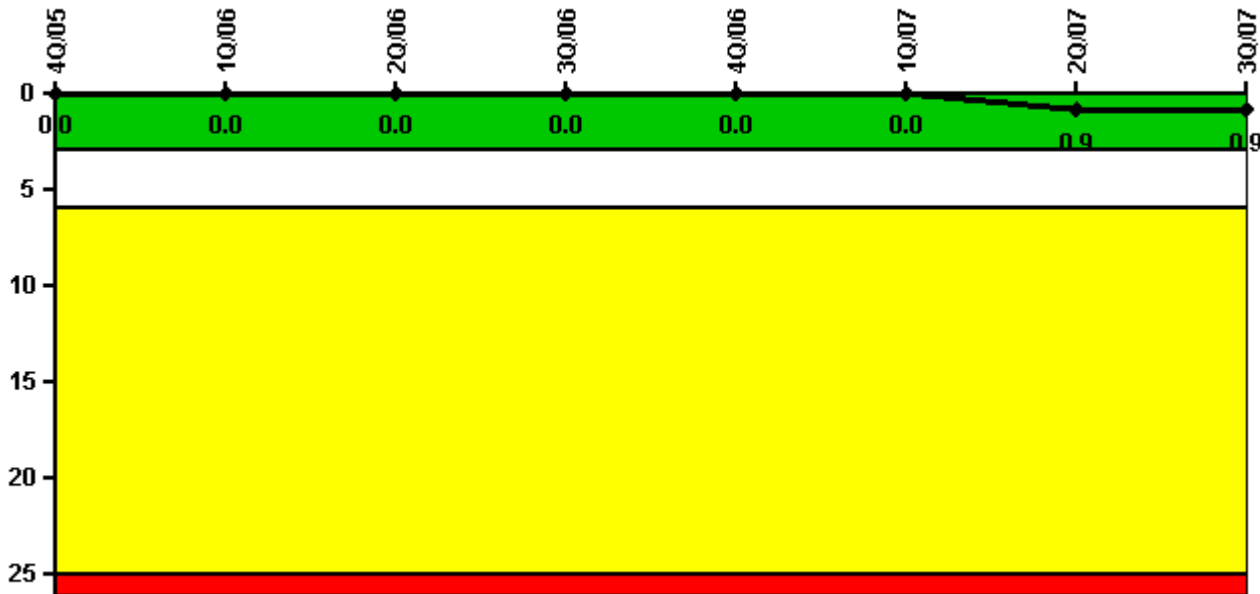


# Prairie Island 2

## 3Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



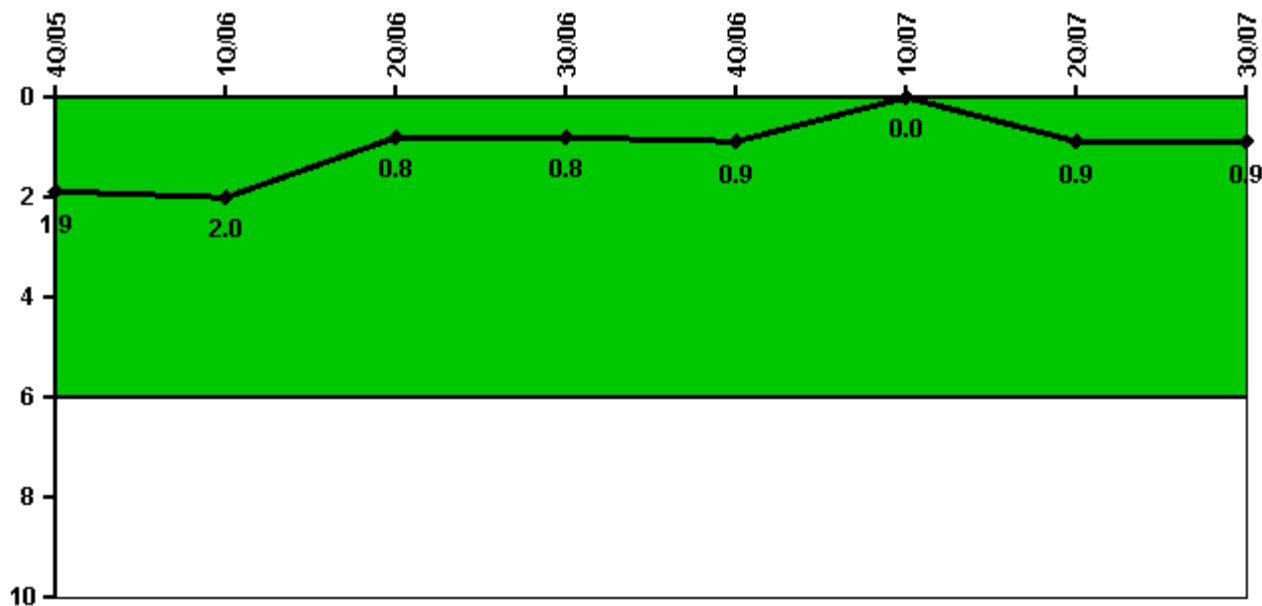
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

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

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



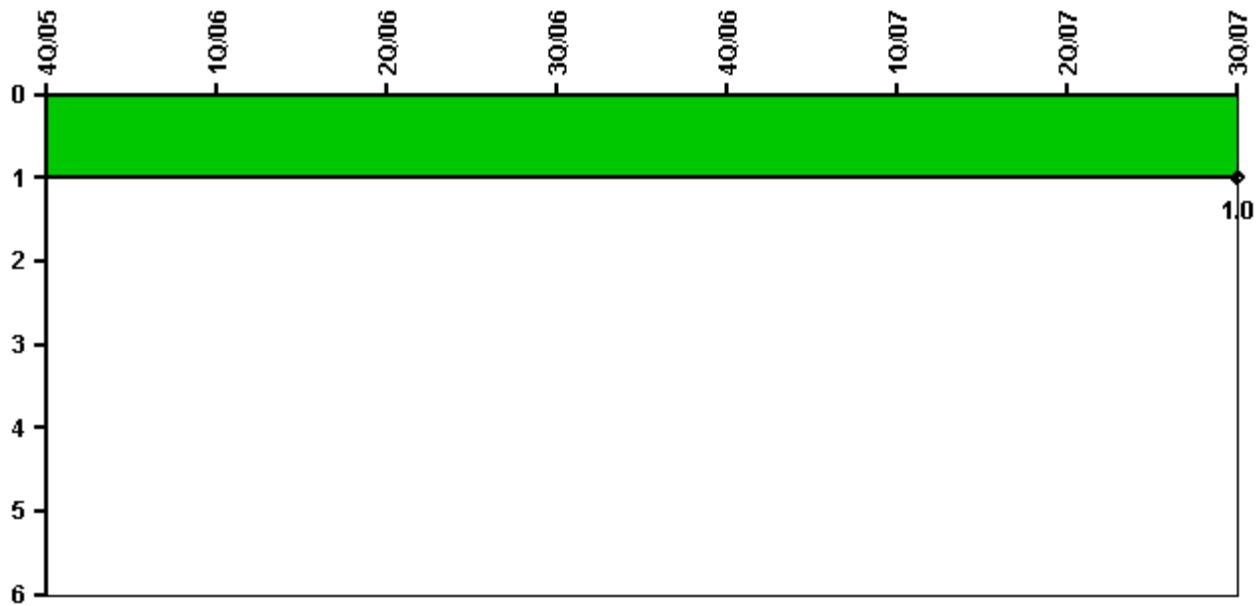
Thresholds: White > 6.0

### Notes

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

Licensee Comments: none

# Unplanned Scrams with Complications



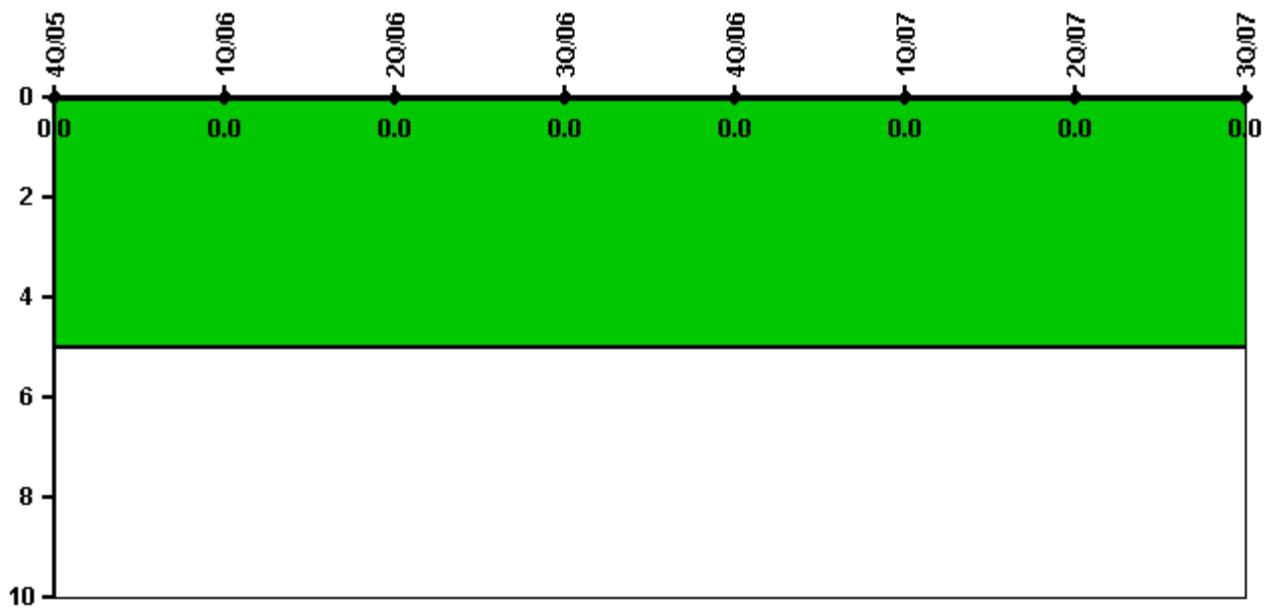
Thresholds: White > 1.0

## Notes

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

Licensee Comments: none

# Safety System Functional Failures (PWR)



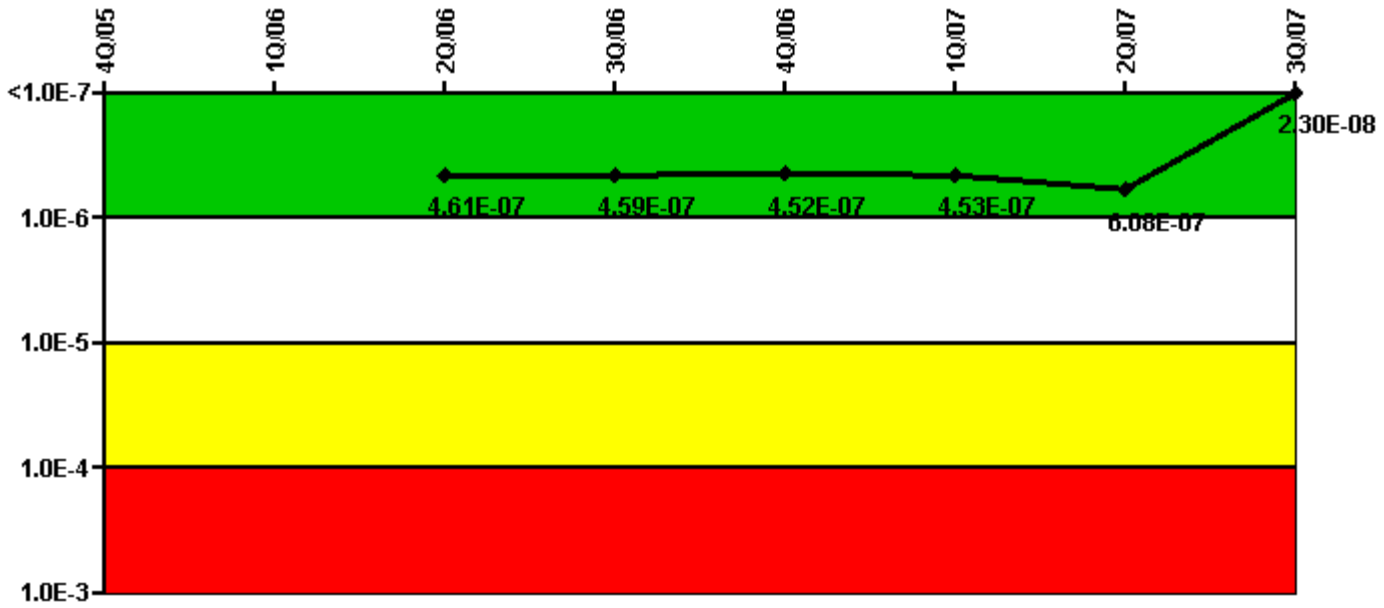
Thresholds: White > 5.0

## Notes

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

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



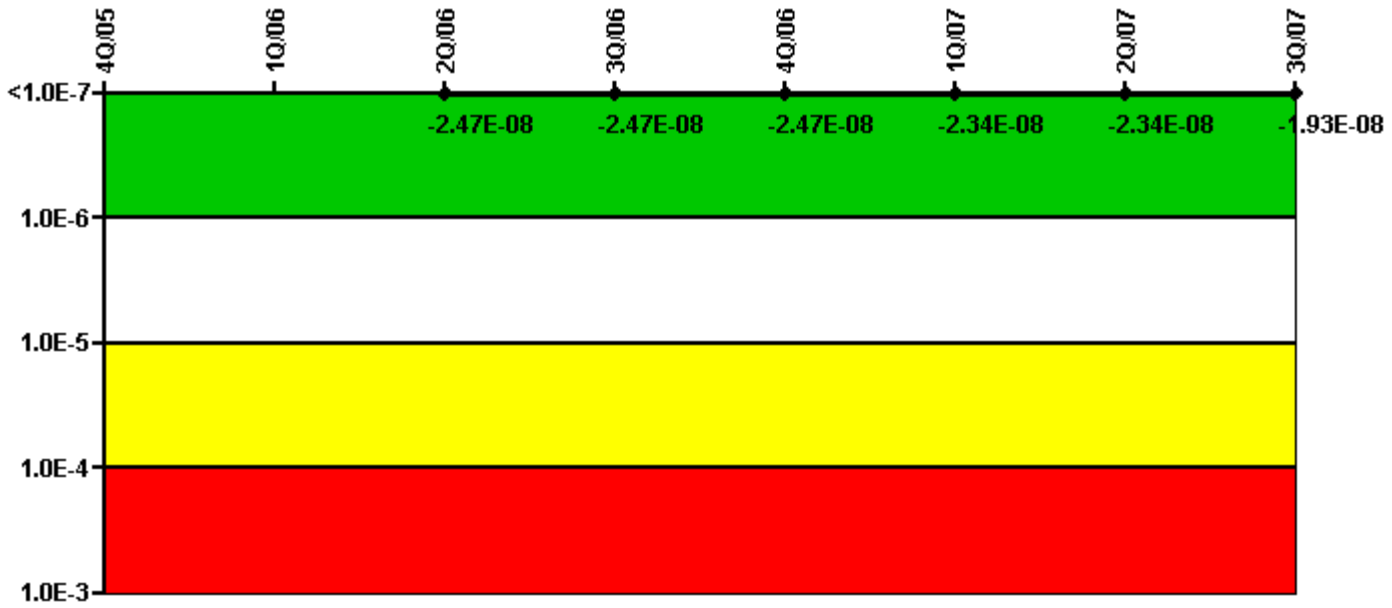
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

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

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



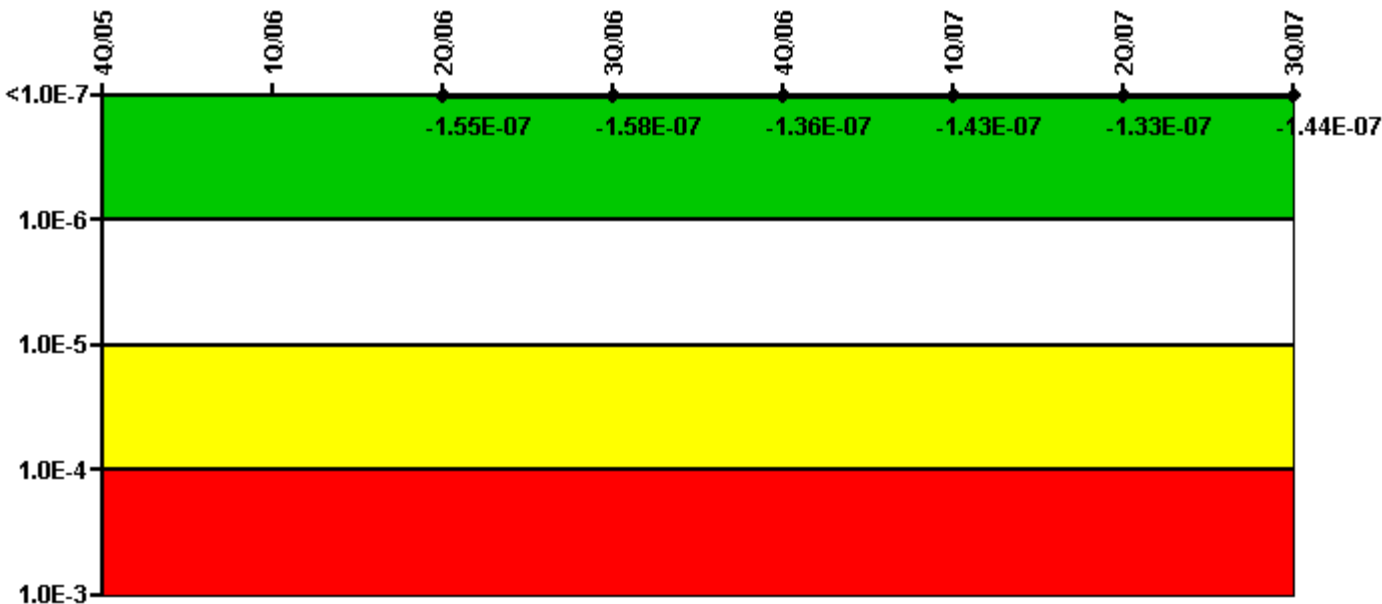
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

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

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



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

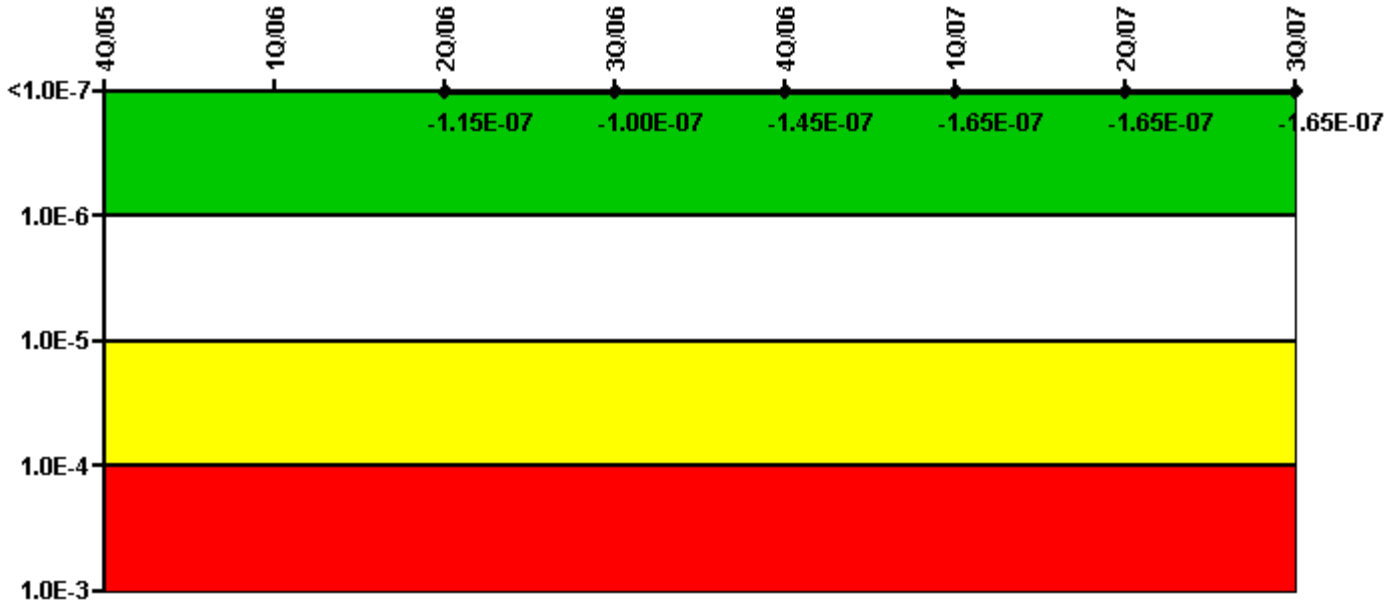
## Notes

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

Licensee Comments:

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

# Mitigating Systems Performance Index, Residual Heat Removal System



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

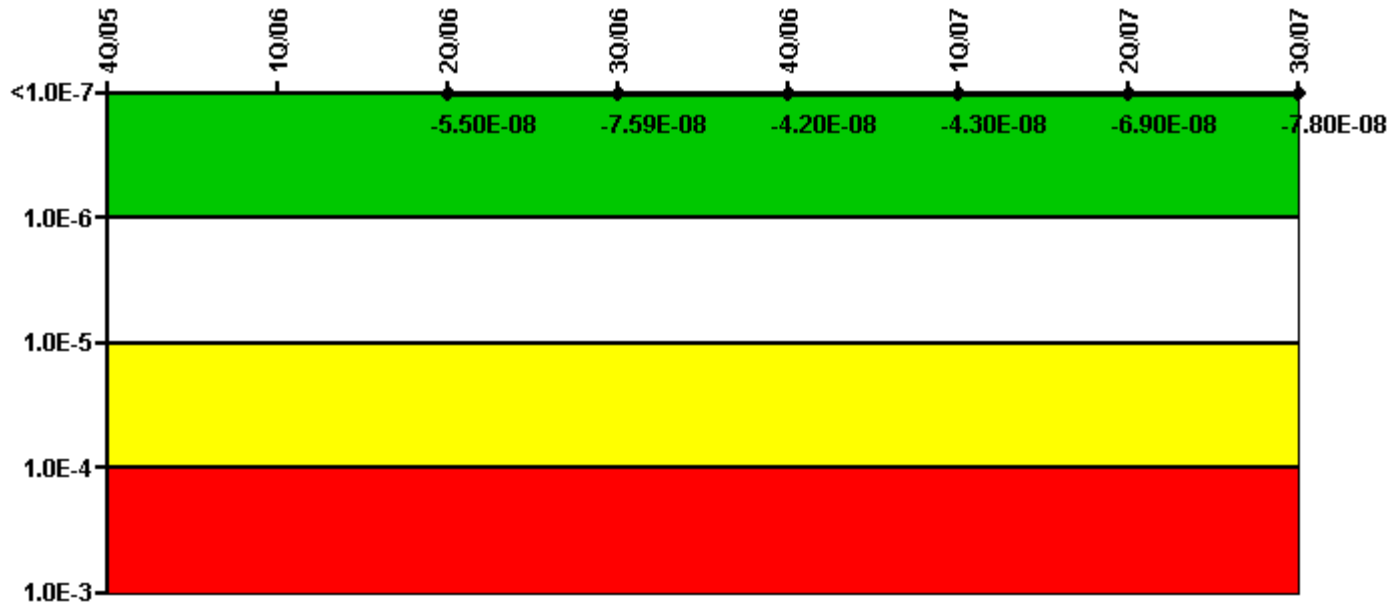
## Notes

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

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



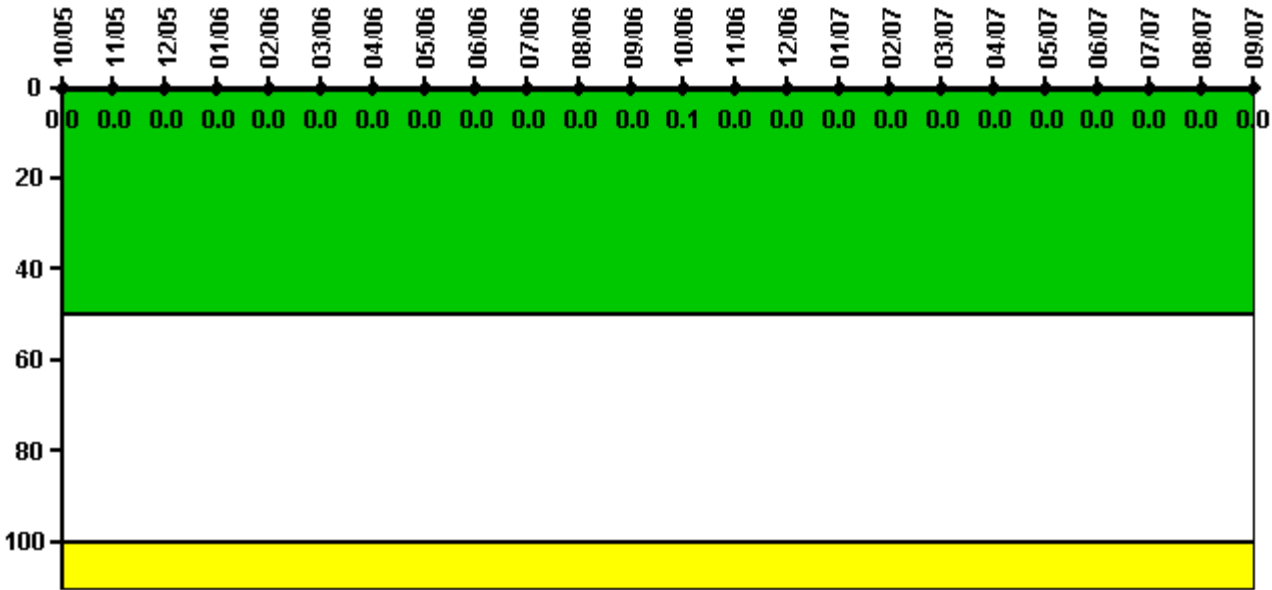
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

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

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

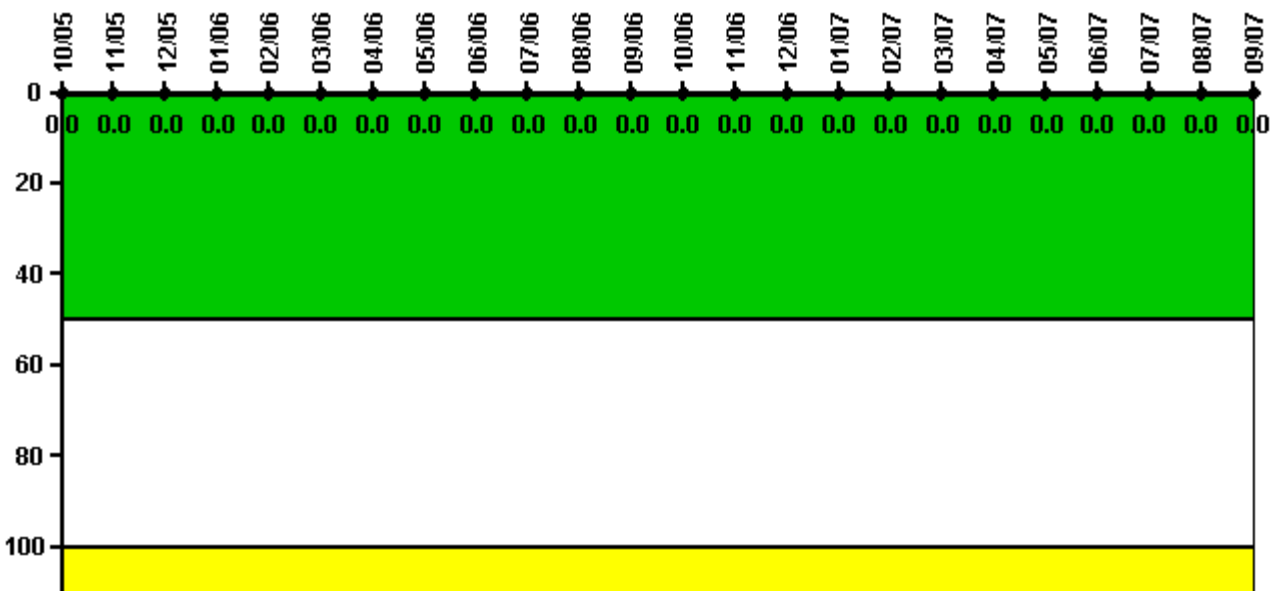
Reactor Coolant System Activity	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum activity	0.000210	0.000250	0.000250	0.000270	0.000250	0.000260	0.000480	0.000260	0.000270	0.000290	0.000400	0.000310
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator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

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

Licensee Comments: none

# Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

## Notes

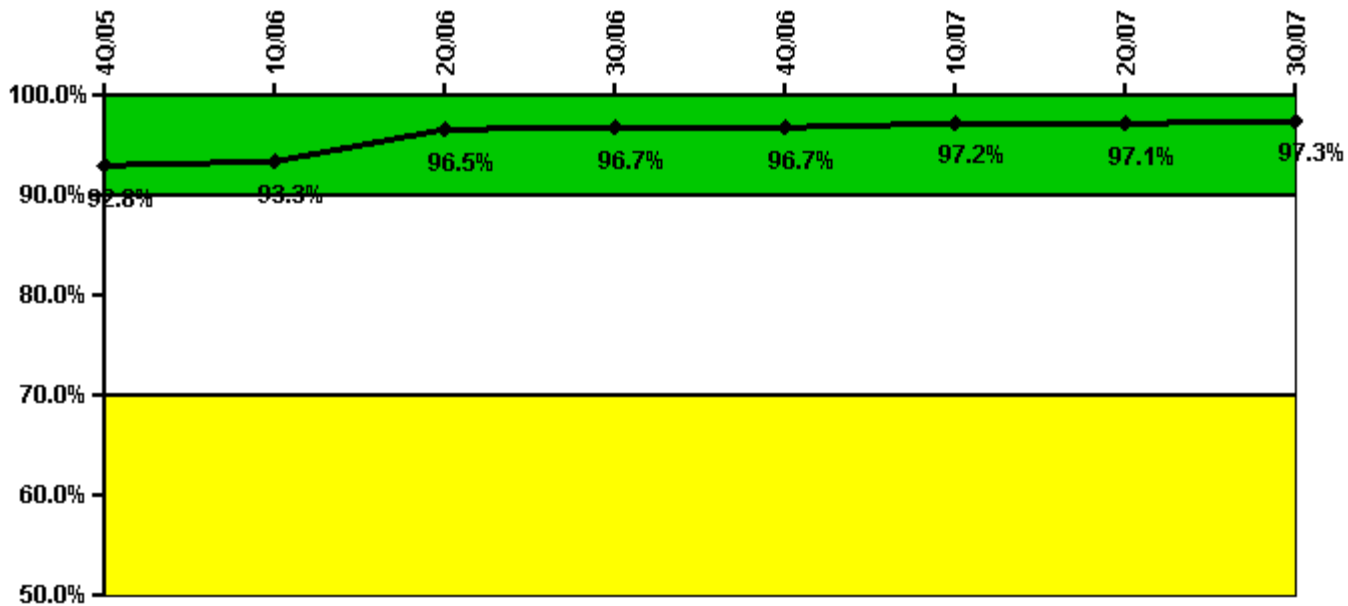
Reactor Coolant System Leakage	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

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

Licensee Comments: none

## Drill/Exercise Performance



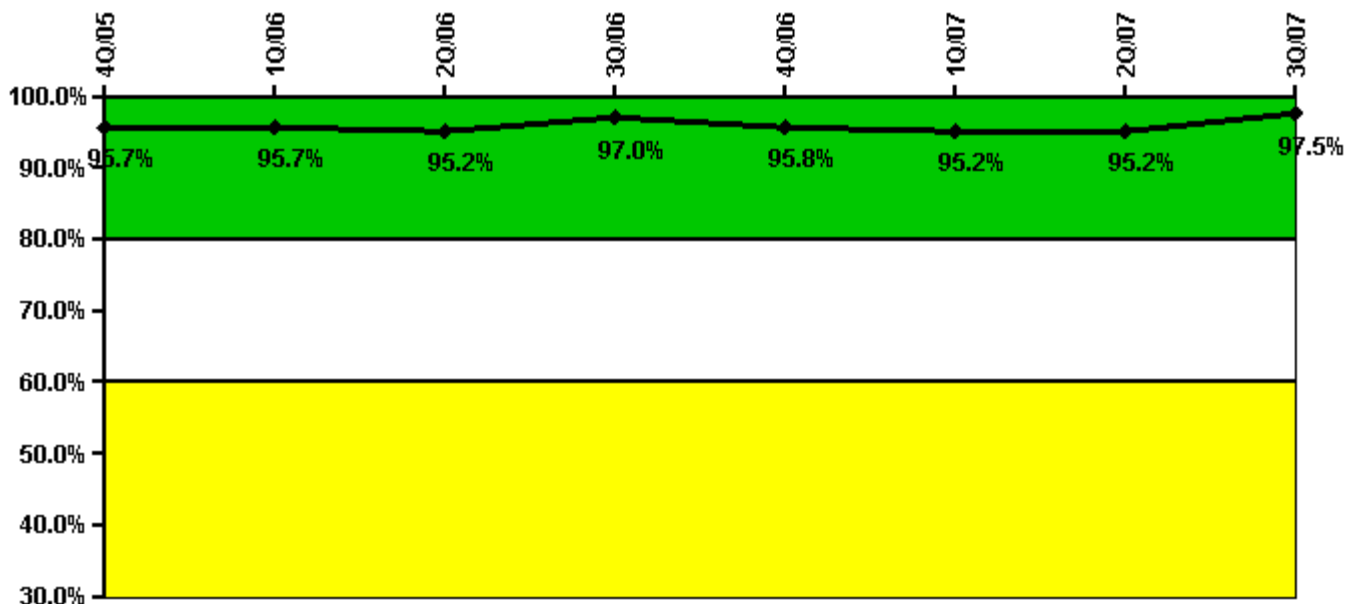
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

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

Licensee Comments: none

## ERO Drill Participation



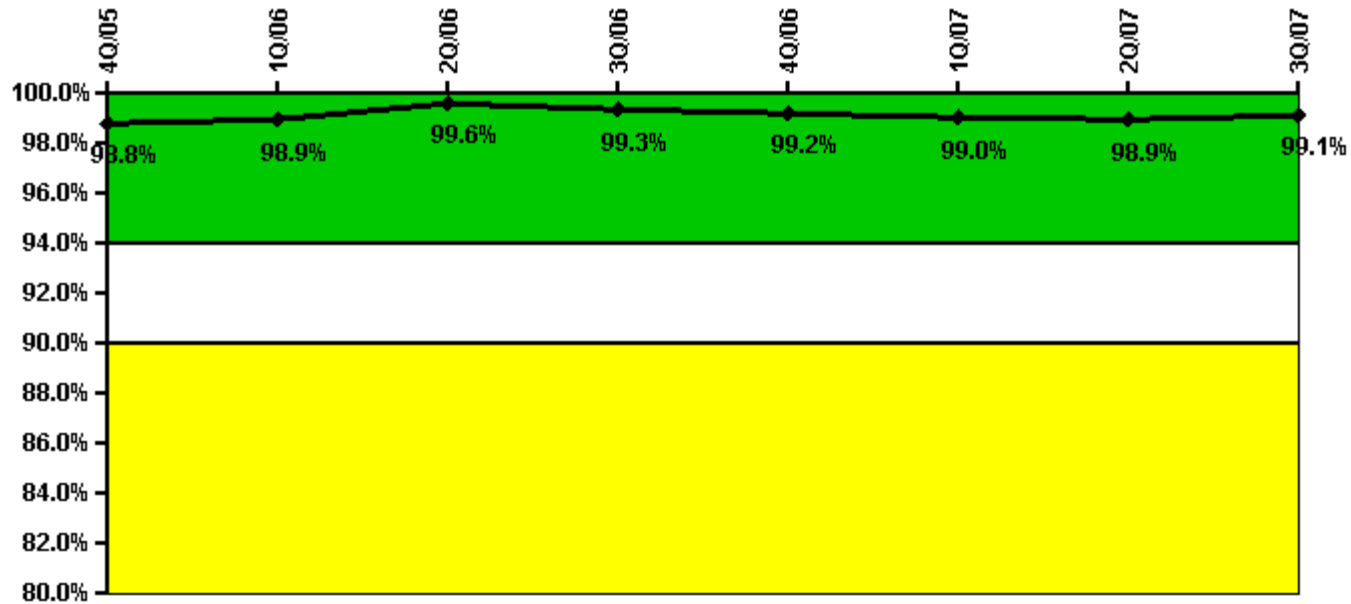
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

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

Licensee Comments: none

# Alert & Notification System



**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

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

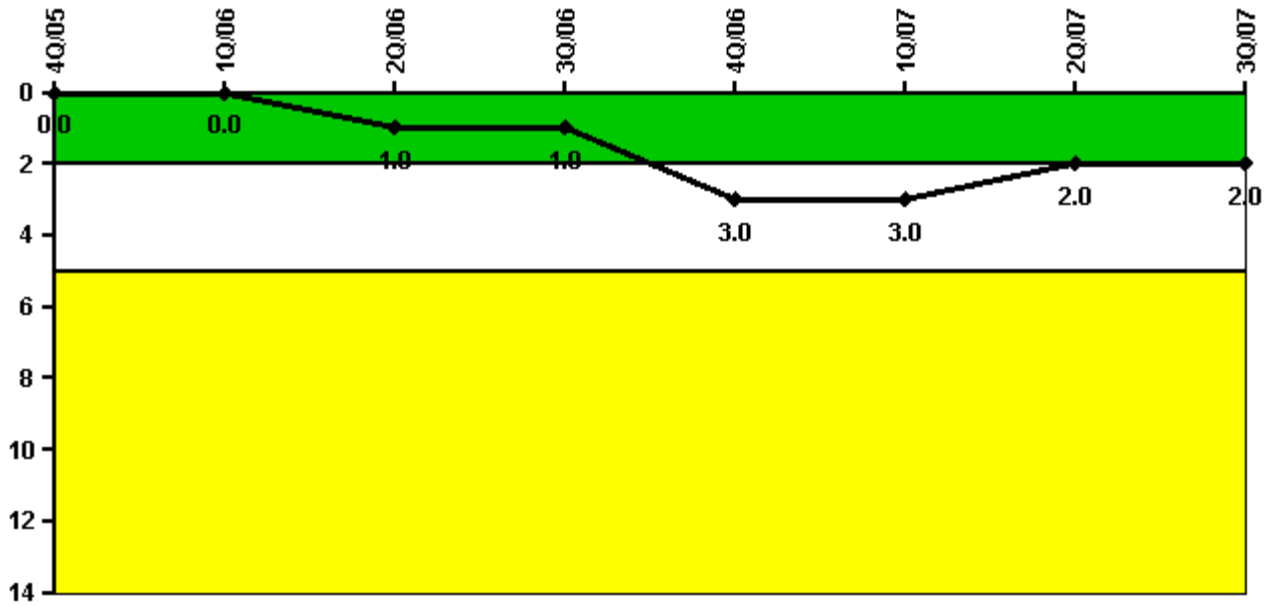
Licensee Comments:

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

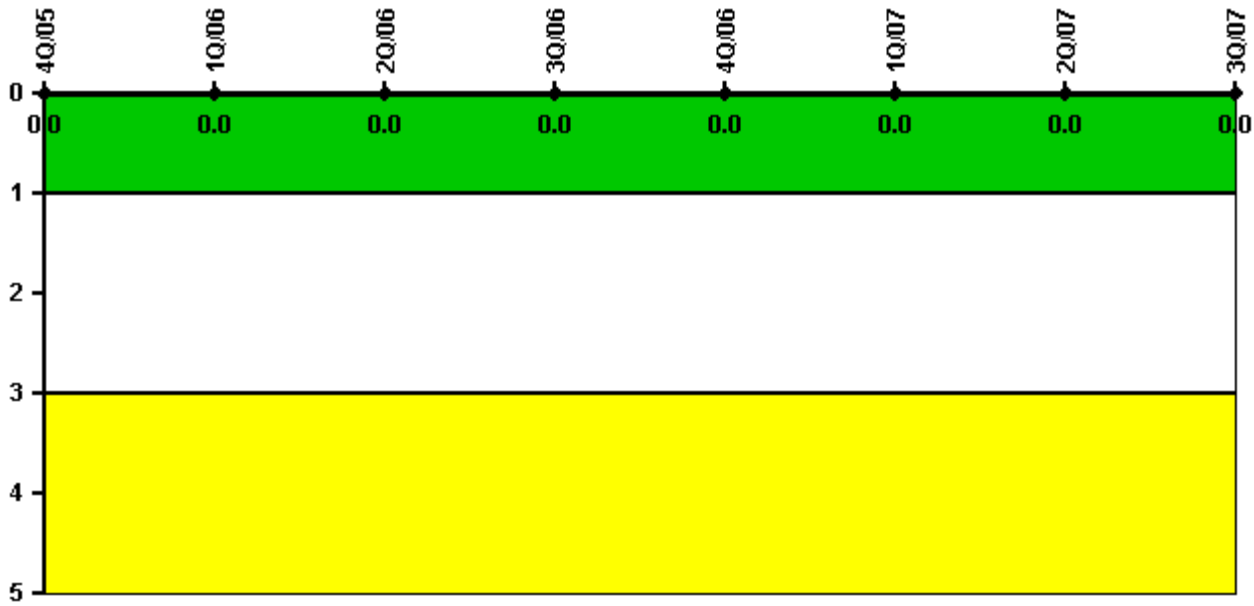
Occupational Exposure Control Effectiveness	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
High radiation area occurrences	0	0	0	0	1	0	0	0
Very high radiation area occurrences	0	0	1	0	1	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	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

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.

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

Last Modified: December 7, 2007