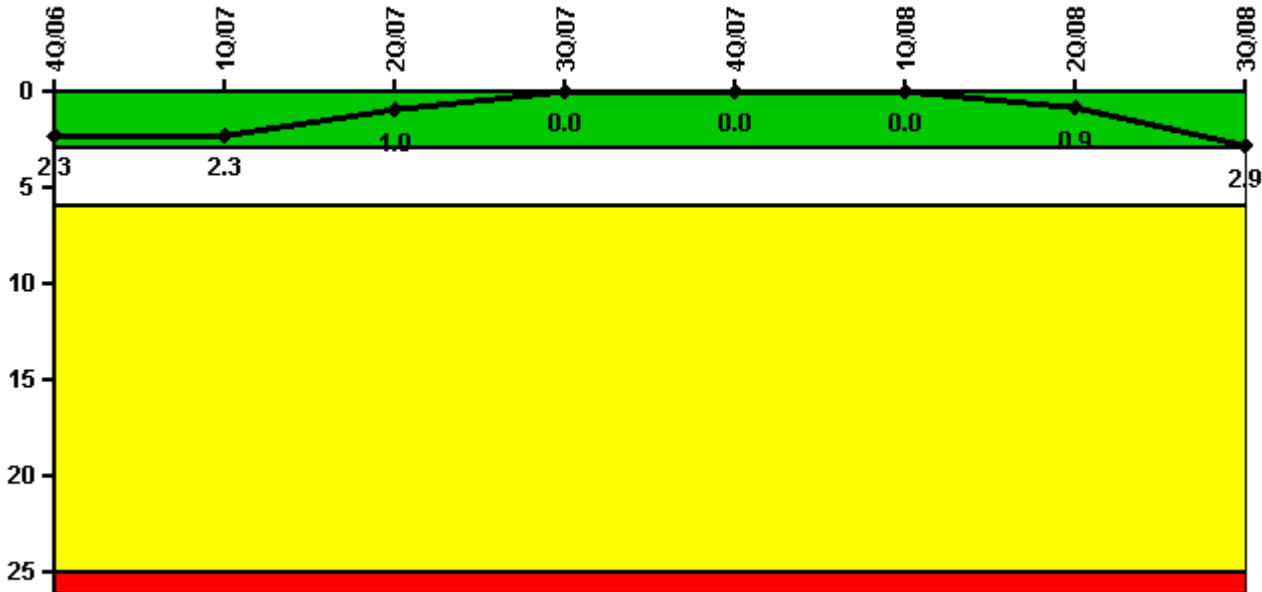


# Watts Bar 1

## 3Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

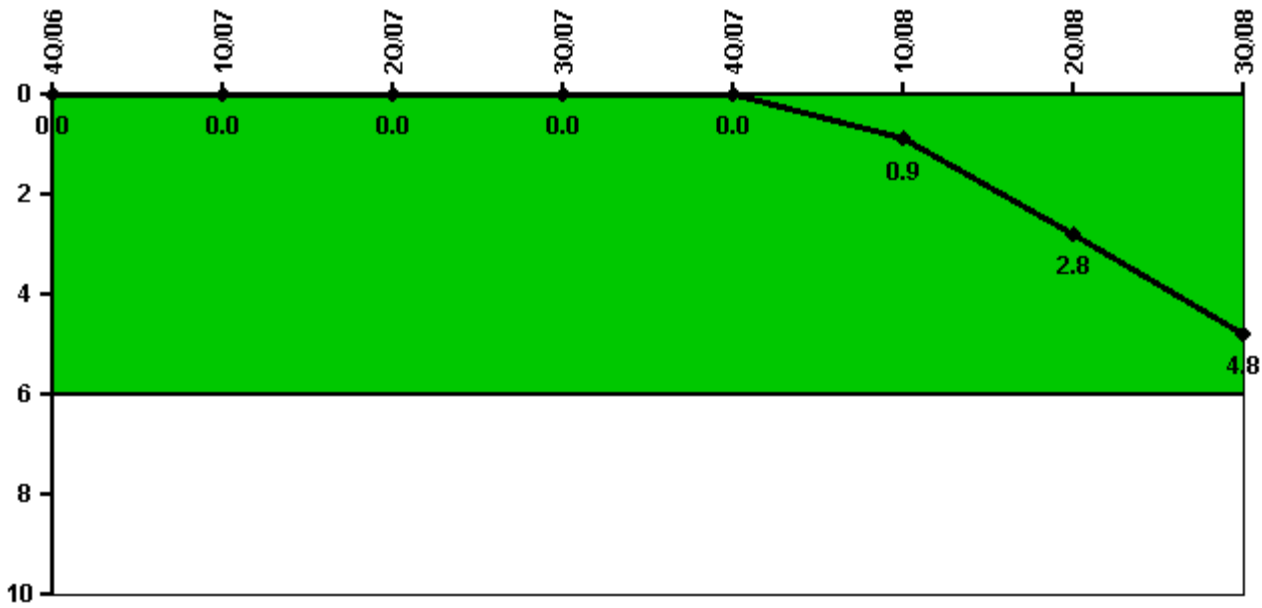
### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	0	0	0	0	1.0	2.0
Critical hours	757.3	2159.0	2184.0	2208.0	2209.0	1164.2	2004.3	1930.2
Indicator value	2.3	2.3	1.0	0	0	0	0.9	2.9

Licensee Comments:

2Q/08: 2QCY2008 corrected iaw PER 152109 (Failed to count forced outage as a downpower). This change does not affect the color of the indicator.

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

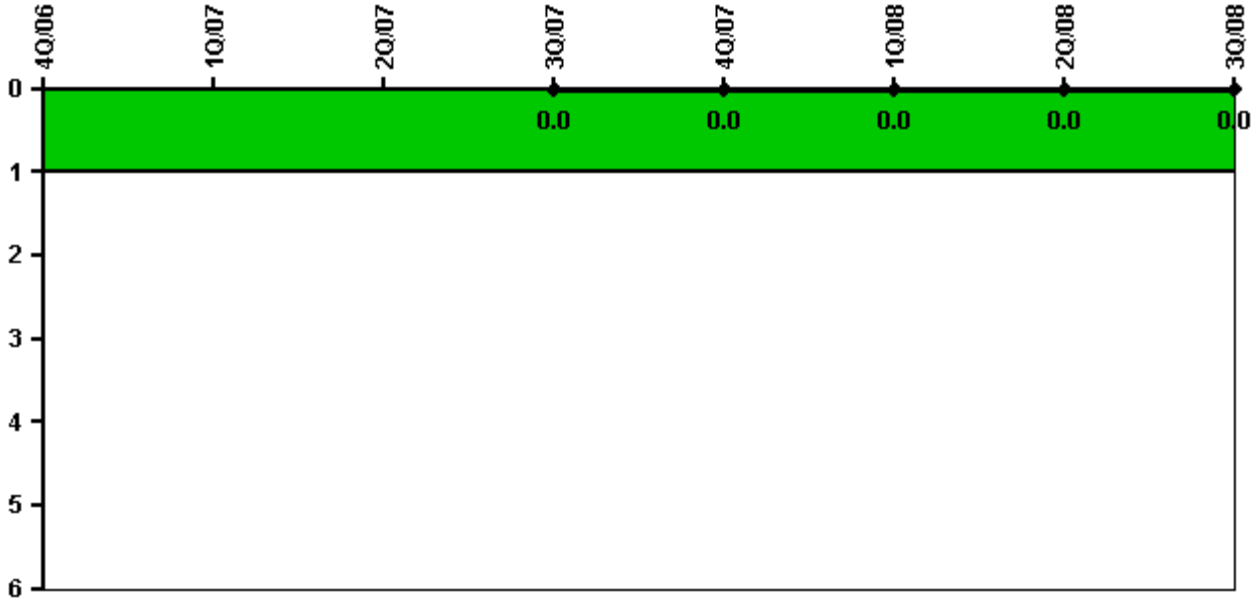
### Notes

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	0	0	0	1.0	2.0	2.0
Critical hours	757.3	2159.0	2184.0	2208.0	2209.0	1164.2	2004.3	1930.2
Indicator value	0	0	0	0	0	0.9	2.8	4.8

Licensee Comments:

2Q/08: 2QCY2008 corrected iaw PER 152109 (Failed to count forced outage as a downpower). This change does not affect the color of the indicator.

# Unplanned Scrams with Complications



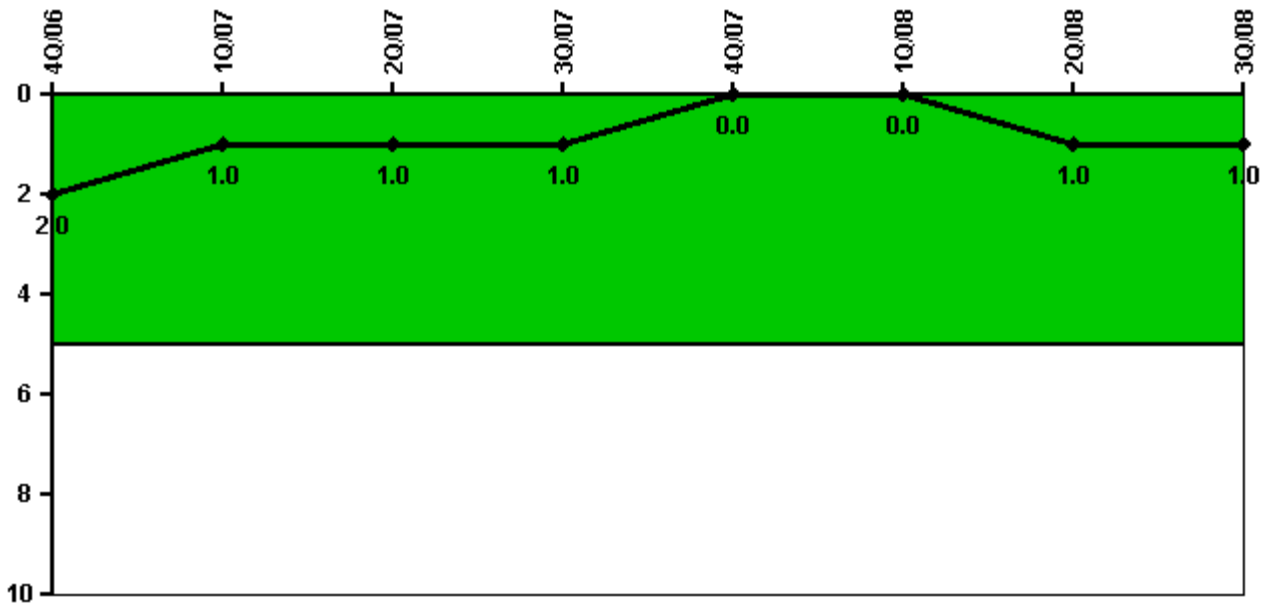
Thresholds: White > 1.0

**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)



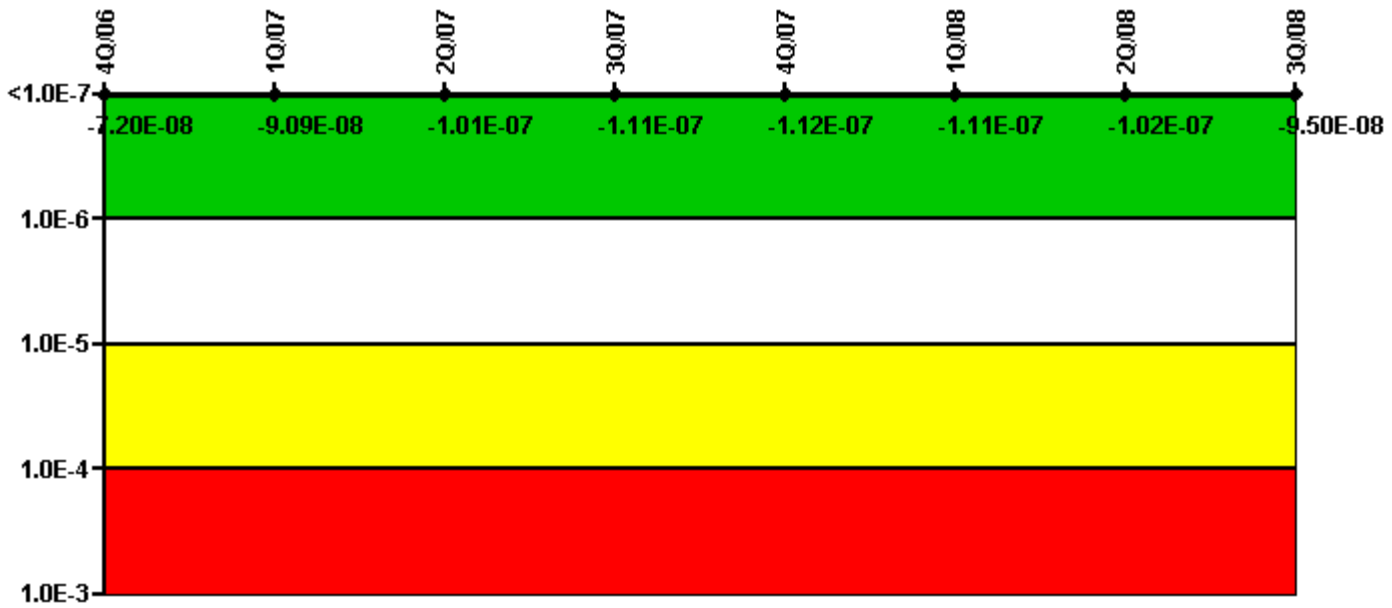
Thresholds: White > 5.0

### 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	1	0	0	0	0	0	1	0
Indicator value	2	1	1	1	0	0	1	1

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



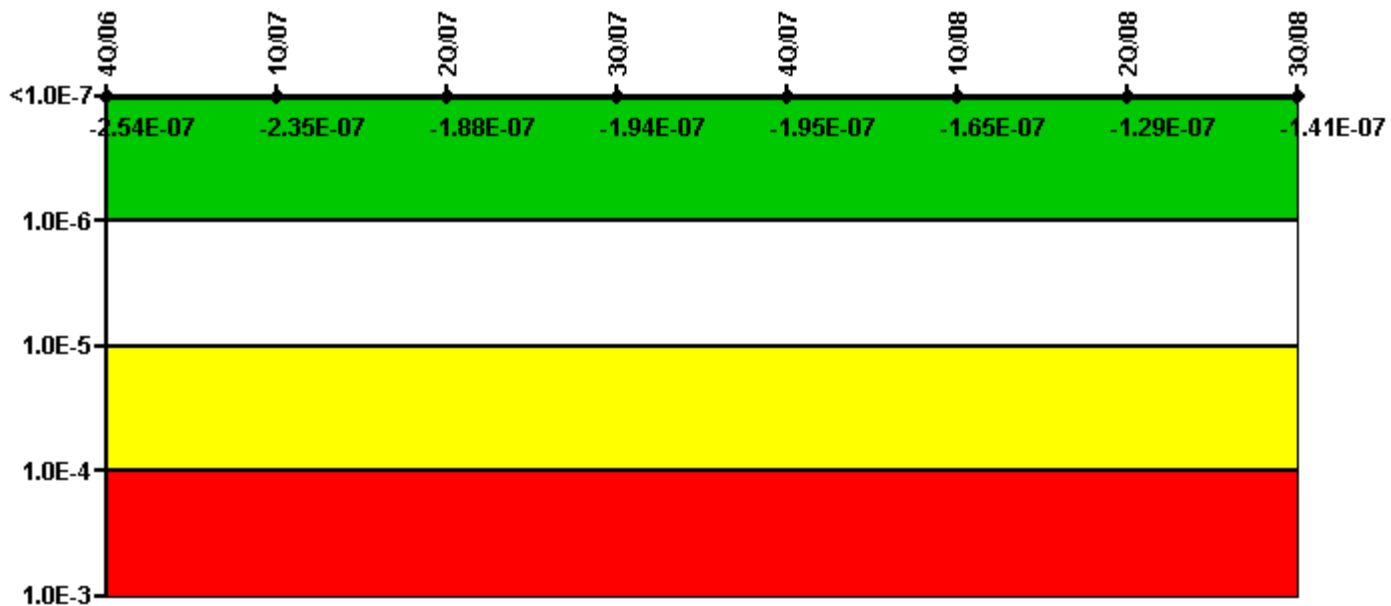
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)	2.10E-08	2.10E-09	2.90E-08	1.90E-08	1.80E-08	1.90E-08	2.80E-08	3.50E-08
URI ( $\Delta$ CDF)	-9.30E-08	-9.30E-08	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.20E-08	-9.09E-08	-1.01E-07	-1.11E-07	-1.12E-07	-1.11E-07	-1.02E-07	-9.50E-08

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



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

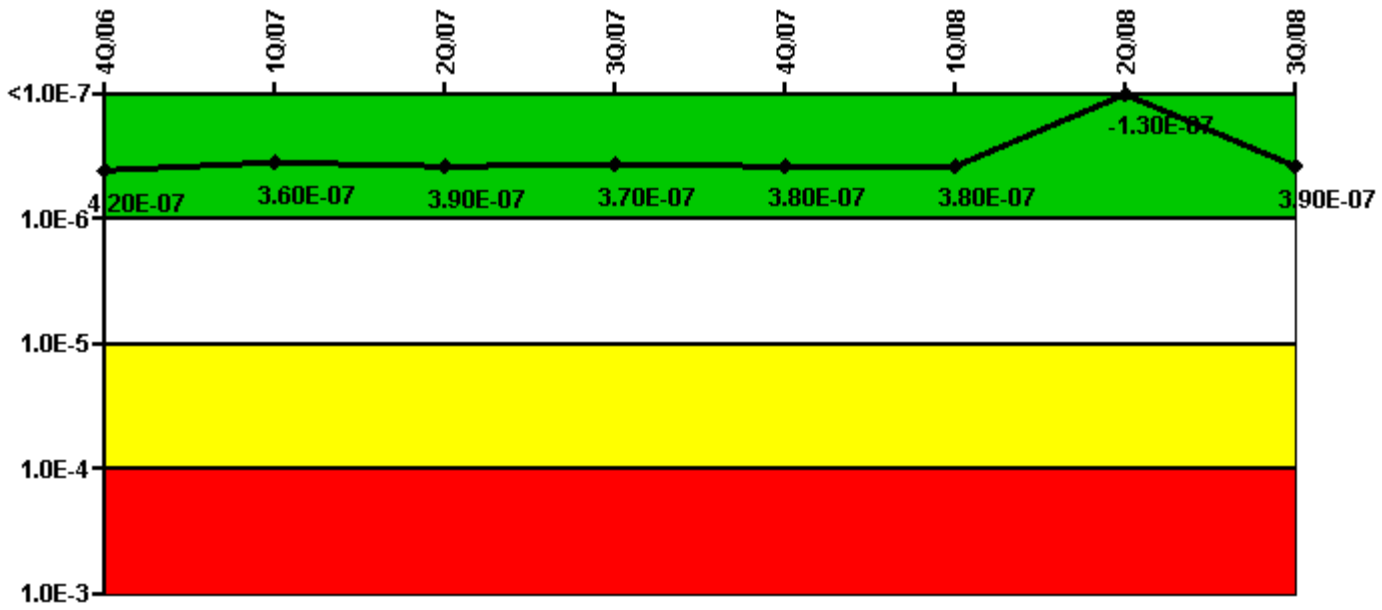
## Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)	-4.10E-09	1.50E-08	2.20E-08	1.60E-08	1.50E-08	1.50E-08	2.10E-08	8.70E-09
URI ( $\Delta$ CDF)	-2.50E-07	-2.50E-07	-2.10E-07	-2.10E-07	-2.10E-07	-1.80E-07	-1.50E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.54E-07	-2.35E-07	-1.88E-07	-1.94E-07	-1.95E-07	-1.65E-07	-1.29E-07	-1.41E-07

Licensee Comments:

1Q/08: 1Q2008 - Corrected iaw PER 152229 - Failure Report 495 on CCP 1B failure to start during blackout testing was marked 'no' instead of 'yes' for MPSI failure. (1Q2008 - Change to the MSPI High Pressure Injection System performance indicator for the month of March 2008. During a review of previous data, it was determined that the CCP 1B fail-to-start during blackout testing in RFO8 had not been entered. This change does not affect the color of the indicator.

# Mitigating Systems Performance Index, Heat Removal System



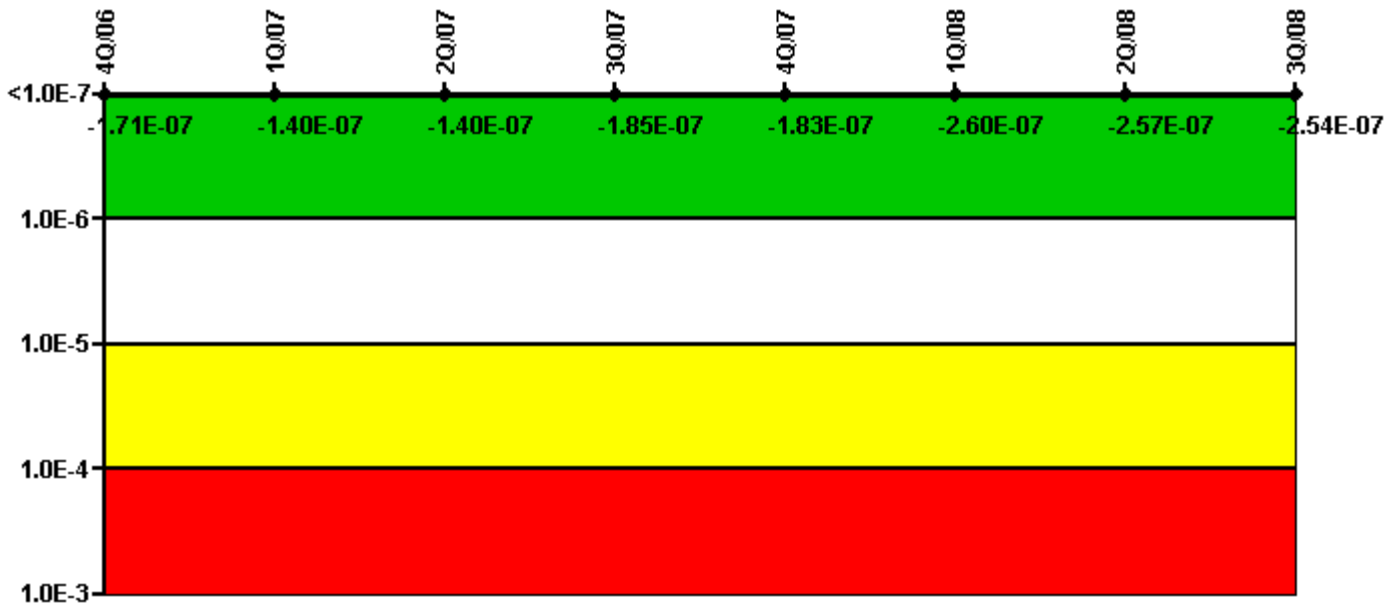
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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 ( $\Delta$ CDF)	2.50E-07	1.90E-07	2.20E-07	2.00E-07	2.10E-07	2.10E-07	1.60E-07	2.20E-07
URI ( $\Delta$ CDF)	1.70E-07	1.70E-07	1.70E-07	1.70E-07	1.70E-07	1.70E-07	-2.90E-07	1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.20E-07	3.60E-07	3.90E-07	3.70E-07	3.80E-07	3.80E-07	-1.30E-07	3.90E-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

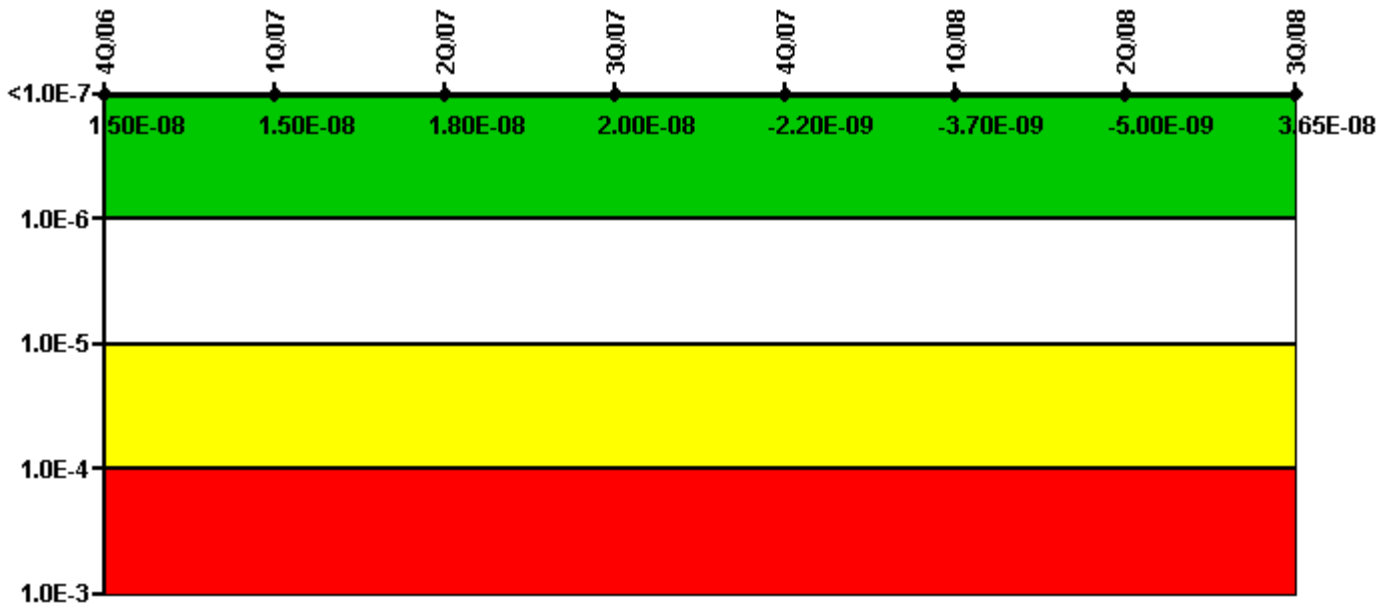
## Notes

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 ( $\Delta$ CDF)	7.90E-08	1.10E-07	1.10E-07	6.50E-08	6.70E-08	-9.50E-09	-6.70E-09	-3.50E-09
URI ( $\Delta$ CDF)	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.71E-07	-1.40E-07	-1.40E-07	-1.85E-07	-1.83E-07	-2.60E-07	-2.57E-07	-2.54E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



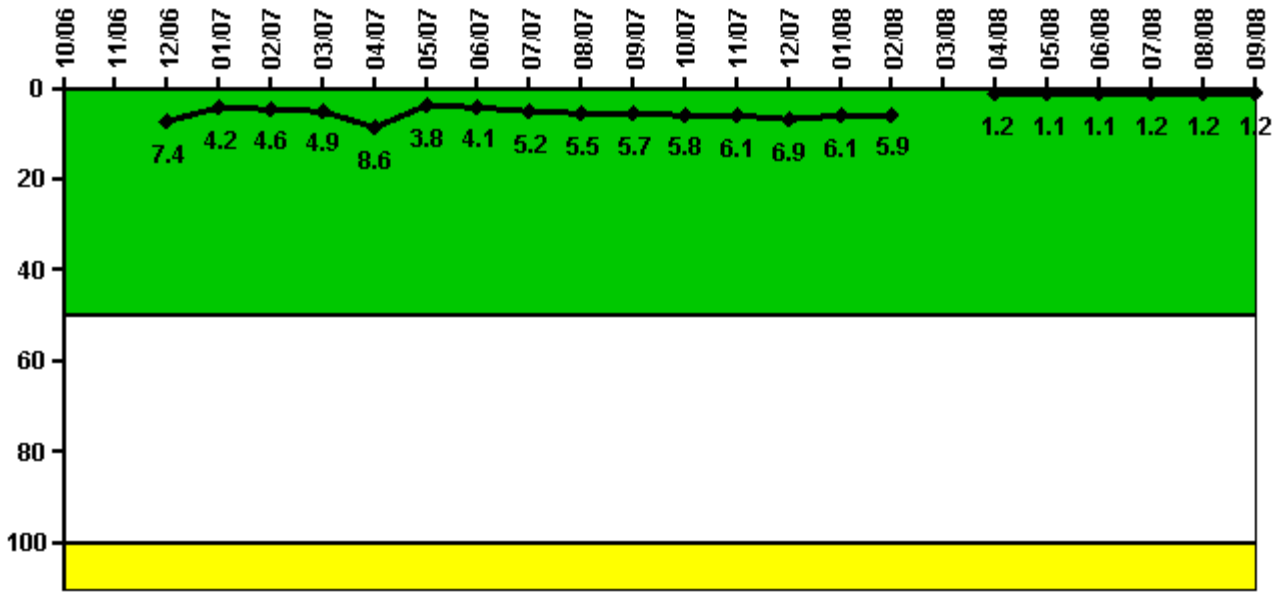
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	2.30E-08	2.30E-08	2.60E-08	2.80E-08	5.80E-09	4.30E-09	3.00E-09	3.20E-08
URI (ΔCDF)	-8.00E-09	-8.00E-09	-8.00E-09	-8.00E-09	-8.00E-09	-8.00E-09	-8.00E-09	4.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.50E-08	1.50E-08	1.80E-08	2.00E-08	-2.20E-09	-3.70E-09	-5.00E-09	3.65E-08

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

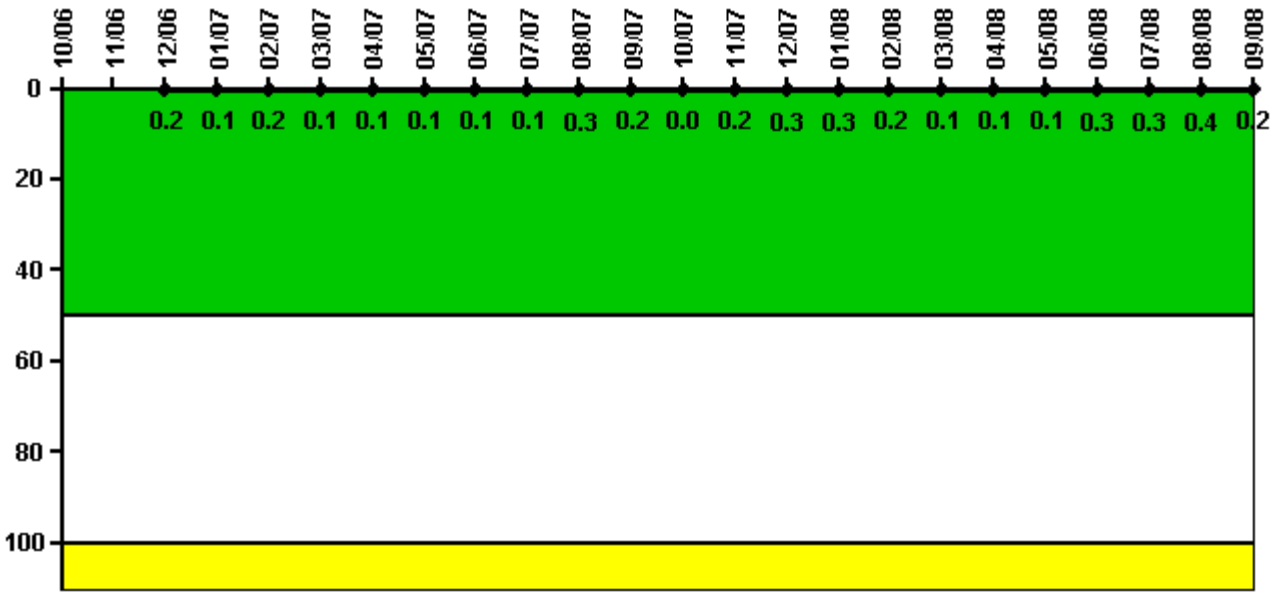
Reactor Coolant System Activity	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity	N/A	N/A	0.019700	0.011260	0.012140	0.012930	0.022820	0.010070	0.010800	0.013820	0.014690	0.015080
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	N/A	N/A	7.4	4.2	4.6	4.9	8.6	3.8	4.1	5.2	5.5	5.7

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	0.015470	0.016290	0.018200	0.016100	0.015600	N/A	0.003098	0.002874	0.003022	0.003092	0.003093	0.003252
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	5.8	6.1	6.9	6.1	5.9	N/A	1.2	1.1	1.1	1.2	1.2	1.2

Licensee Comments: none

## Reactor Coolant System Leakage



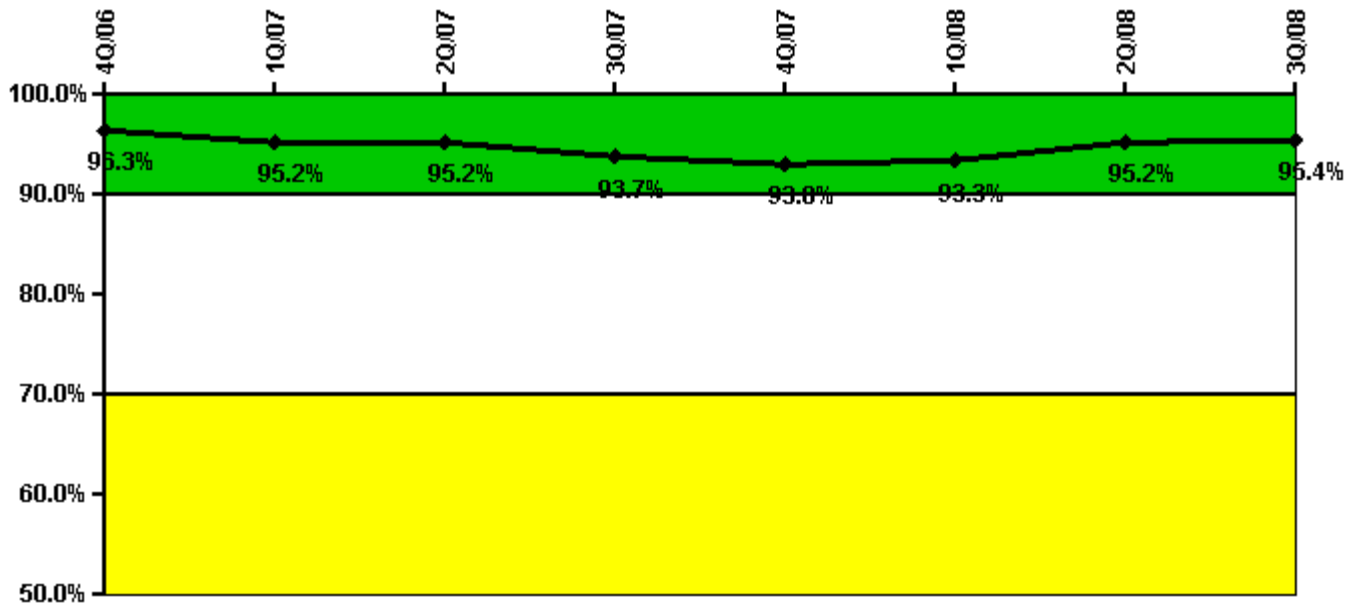
Thresholds: White > 50.0 Yellow > 100.0

### 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	N/A	N/A	0.020	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.030	0.020
Technical specification limit	10.0	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	N/A	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.2
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	0.020	0.030	0.030	0.020	0.010	0.010	0.010	0.030	0.030	0.040	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.3	0.3	0.4	0.2

Licensee Comments: none

## Drill/Exercise Performance



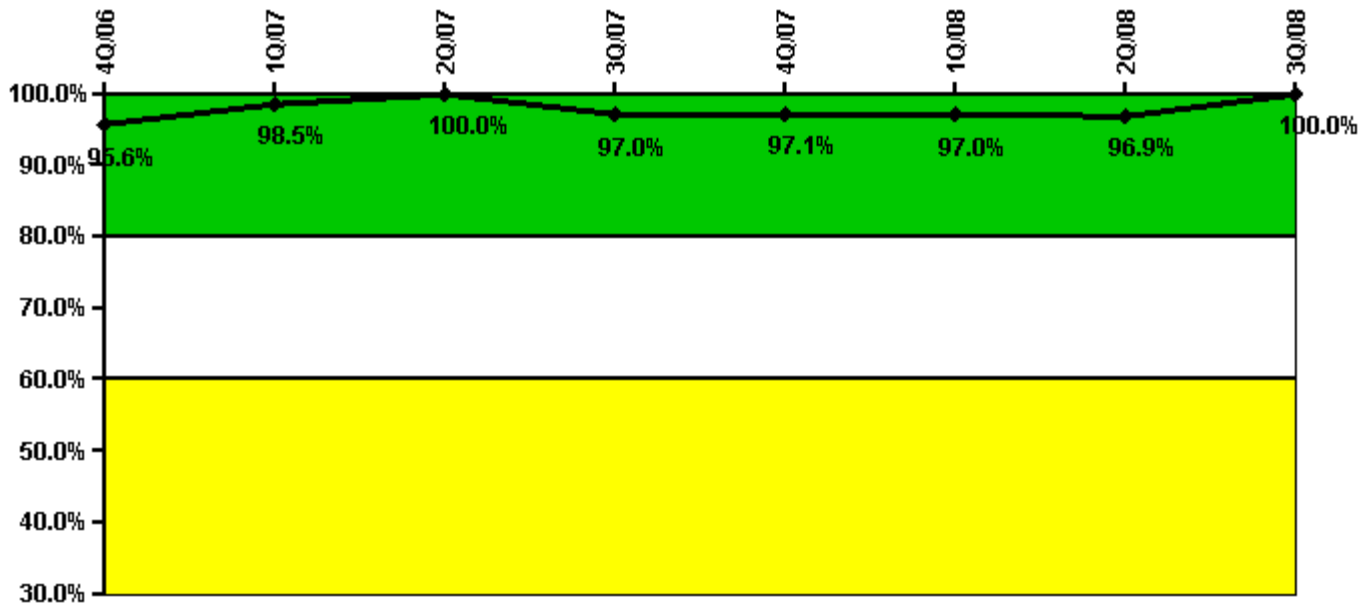
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	2.0	21.0	4.0	22.0	23.0	7.0	47.0	18.0
Total opportunities	2.0	23.0	4.0	24.0	24.0	8.0	48.0	18.0
Indicator value	96.3%	95.2%	95.2%	93.7%	93.0%	93.3%	95.2%	95.4%

Licensee Comments: none

## ERO Drill Participation



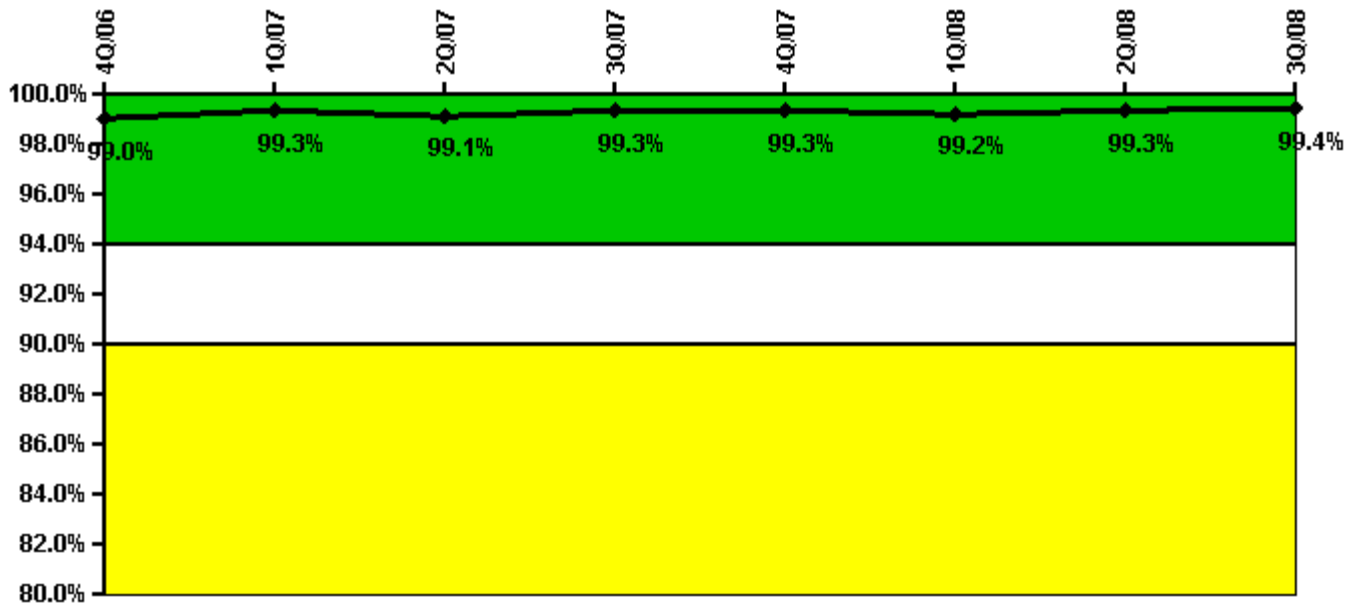
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	65.0	66.0	58.0	65.0	68.0	64.0	62.0	69.0
Total Key personnel	68.0	67.0	58.0	67.0	70.0	66.0	64.0	69.0
Indicator value	95.6%	98.5%	100.0%	97.0%	97.1%	97.0%	96.9%	100.0%

Licensee Comments: none

## Alert & Notification System



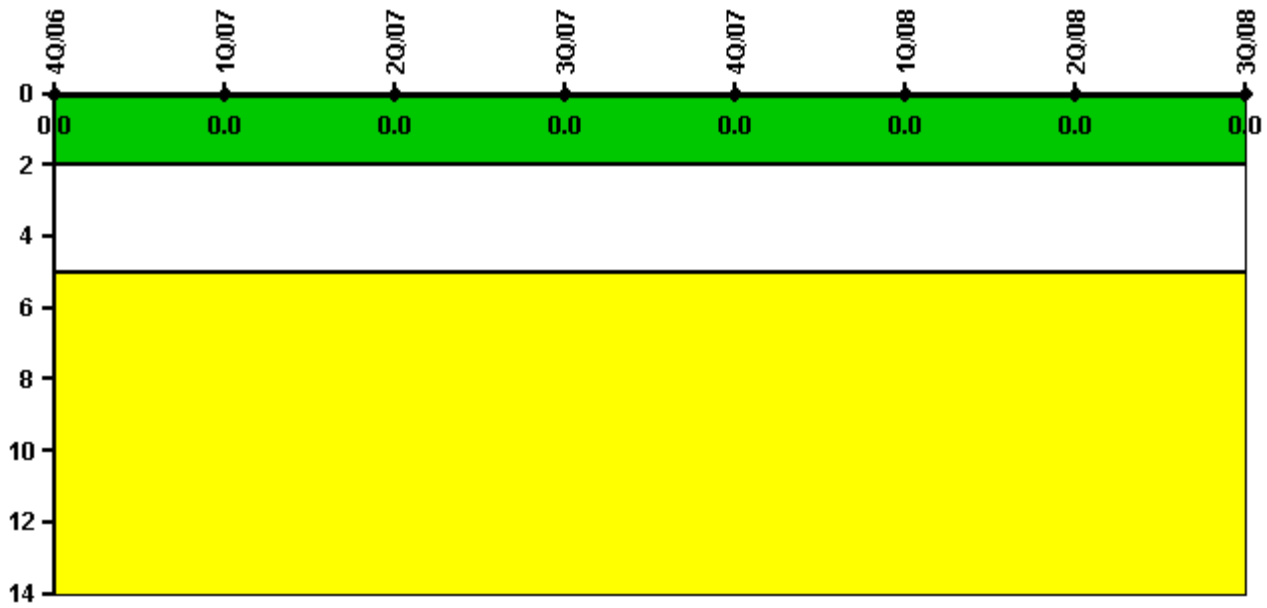
**Thresholds:** White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	788	692	784	782	887	689	690	687
Total sirens-tests	792	693	792	792	891	693	693	693
Indicator value	99.0%	99.3%	99.1%	99.3%	99.3%	99.2%	99.3%	99.4%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



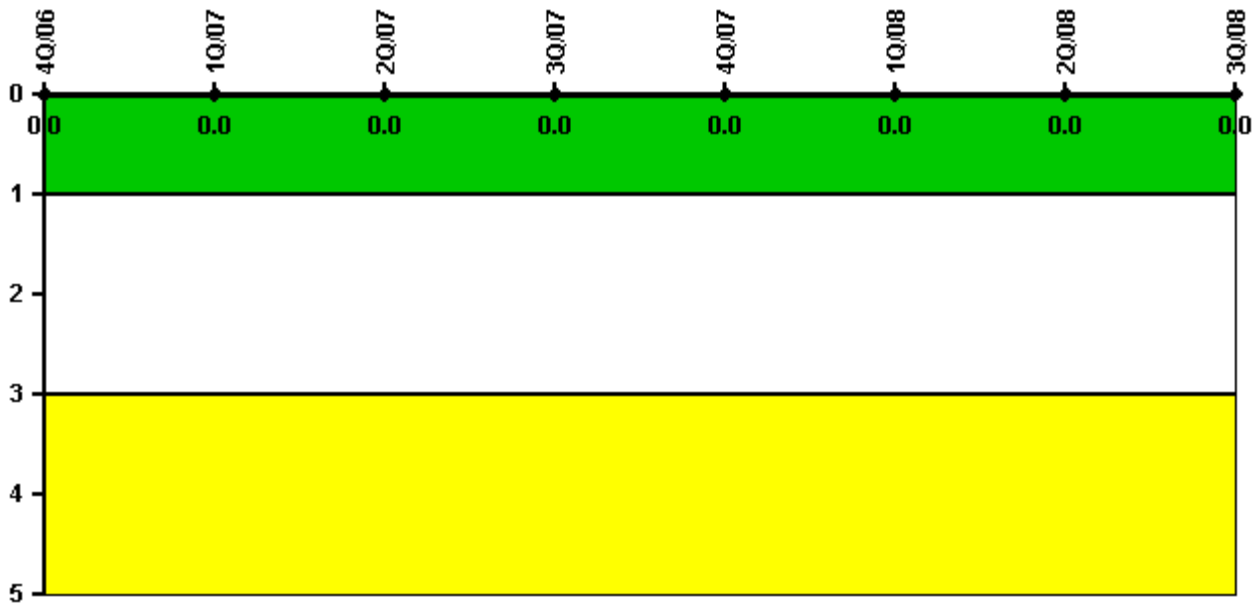
Thresholds: White > 2.0 Yellow > 5.0

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

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.