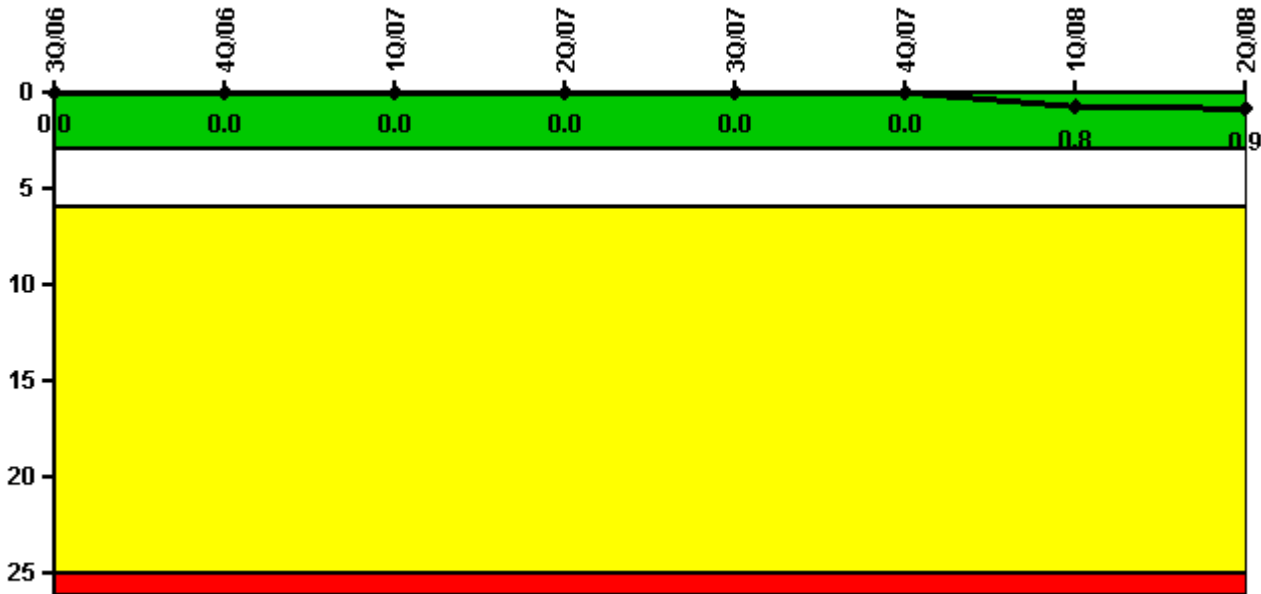


# Seabrook 1

## 2Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



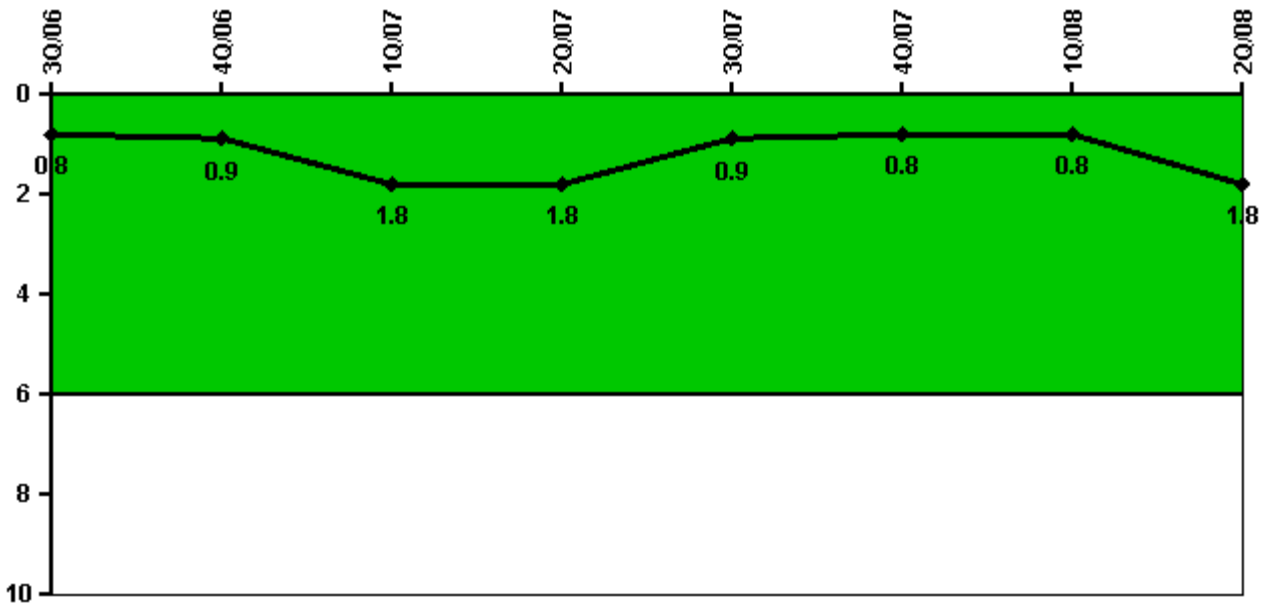
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0
Critical hours	2138.3	1332.8	2159.0	2184.0	2208.0	2209.0	1914.0	1305.4
Indicator value	0	0	0	0	0	0	0.8	0.9

Licensee Comments: none

# Unplanned Power Changes per 7000 Critical Hrs



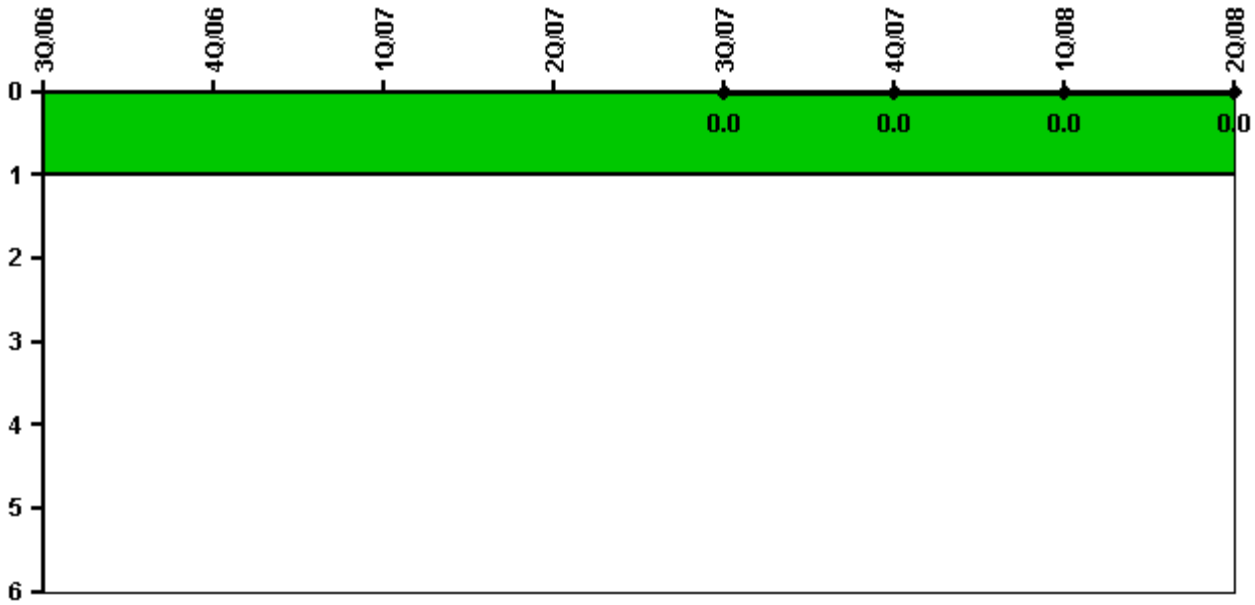
Thresholds: White > 6.0

## Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	1.0	0	1.0	0	0	0	1.0	1.0
Critical hours	2138.3	1332.8	2159.0	2184.0	2208.0	2209.0	1914.0	1305.4
Indicator value	0.8	0.9	1.8	1.8	0.9	0.8	0.8	1.8

Licensee Comments: none

# Unplanned Scrams with Complications



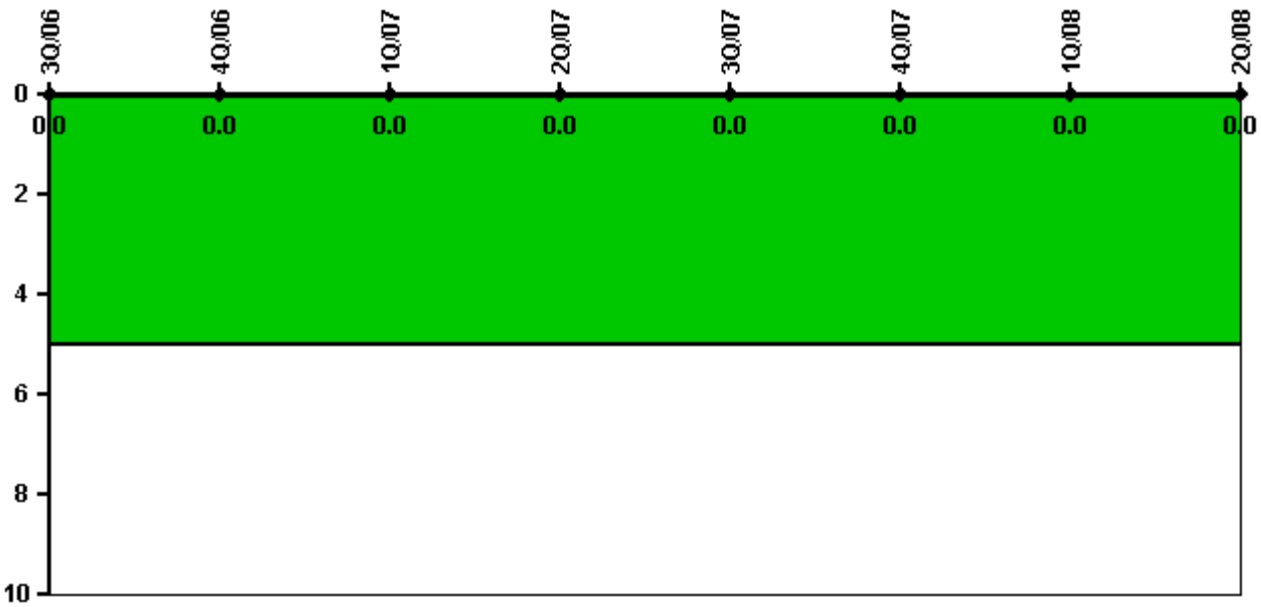
Thresholds: White > 1.0

## Notes

Unplanned Scrams with Complications	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Scrams with complications		0	0	0	0	0	0	0
Indicator value					0.0	0.0	0.0	0.0

Licensee Comments: none

# Safety System Functional Failures (PWR)



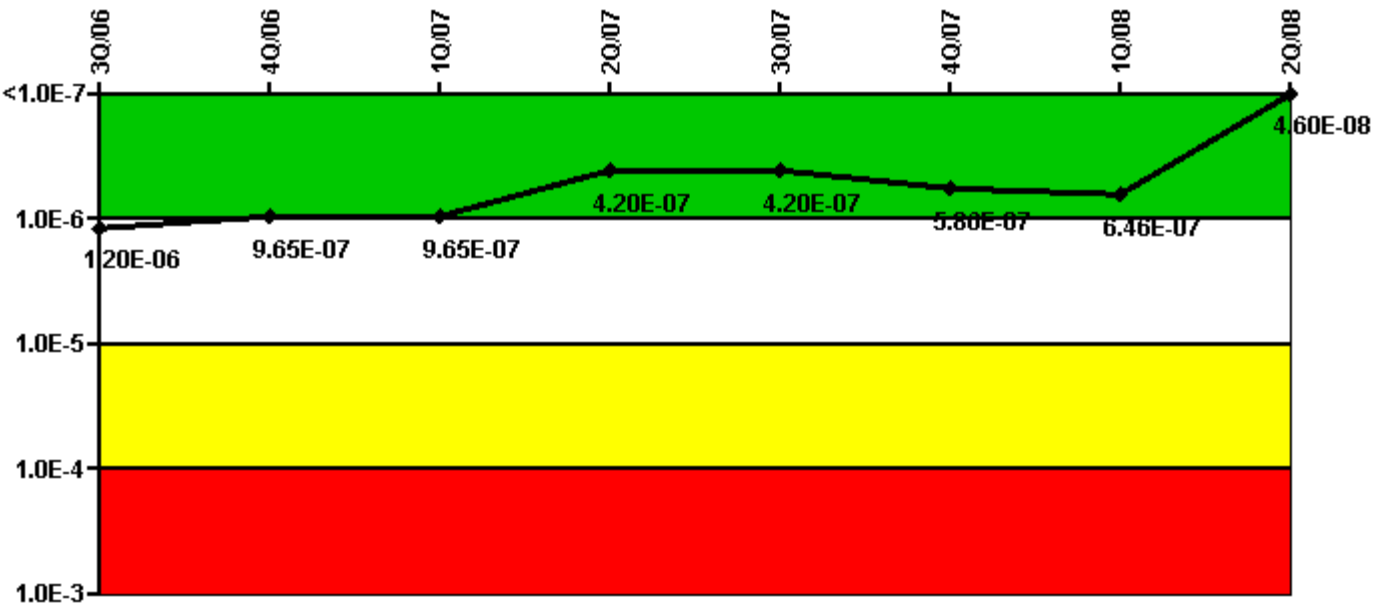
Thresholds: White > 5.0

## 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



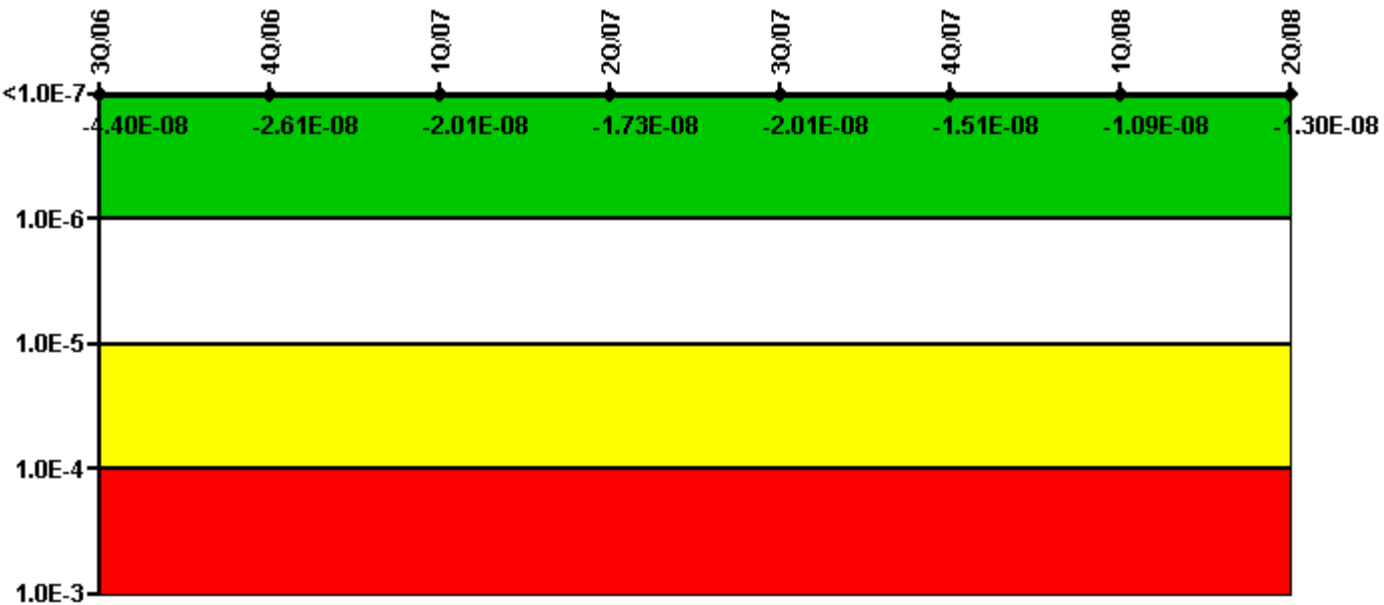
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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 ( $\Delta$ CDF)	-1.00E-07	-3.50E-08	-3.50E-08	-5.00E-08	-5.00E-08	-7.40E-08	-7.40E-08	-7.40E-08
URI ( $\Delta$ CDF)	1.30E-06	1.00E-06	1.00E-06	4.70E-07	4.70E-07	6.60E-07	7.20E-07	1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-06	9.65E-07	9.65E-07	4.20E-07	4.20E-07	5.86E-07	6.46E-07	4.60E-08

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



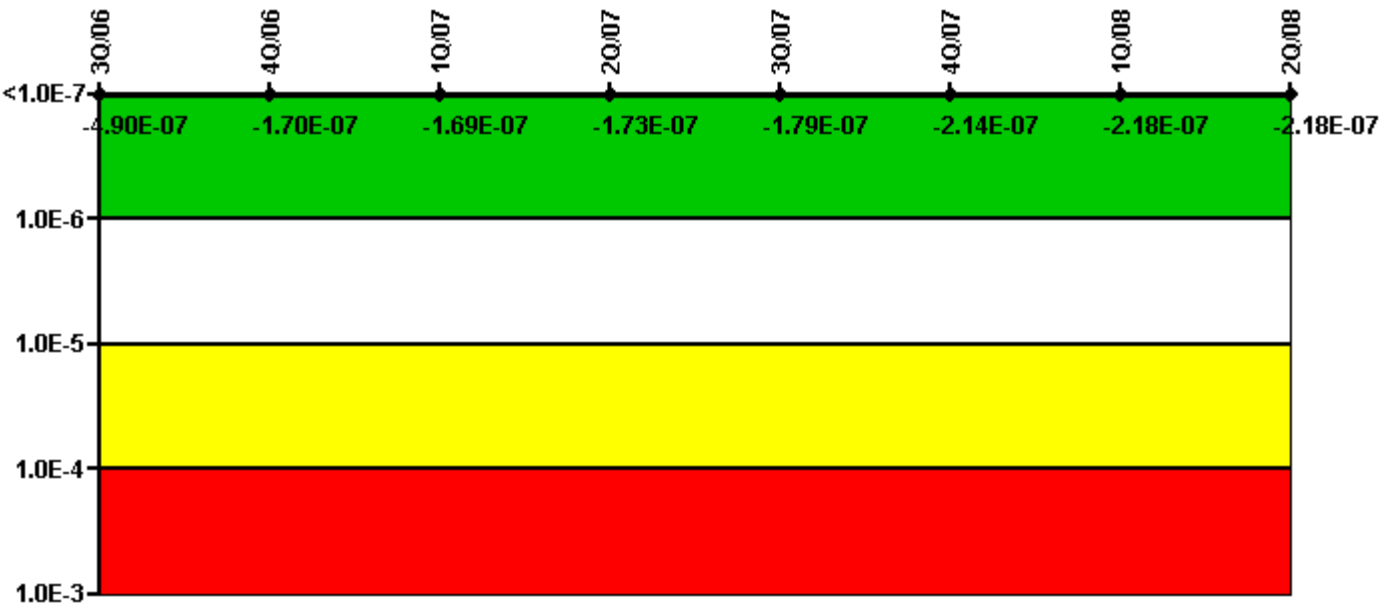
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-1.80E-08	-1.80E-08	-1.20E-08	-9.10E-09	-1.20E-08	-6.20E-09	-1.90E-09	-4.20E-09
URI (ΔCDF)	-2.60E-08	-8.10E-09	-8.10E-09	-8.20E-09	-8.10E-09	-8.90E-09	-9.00E-09	-8.80E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.40E-08	-2.61E-08	-2.01E-08	-1.73E-08	-2.01E-08	-1.51E-08	-1.09E-08	-1.30E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



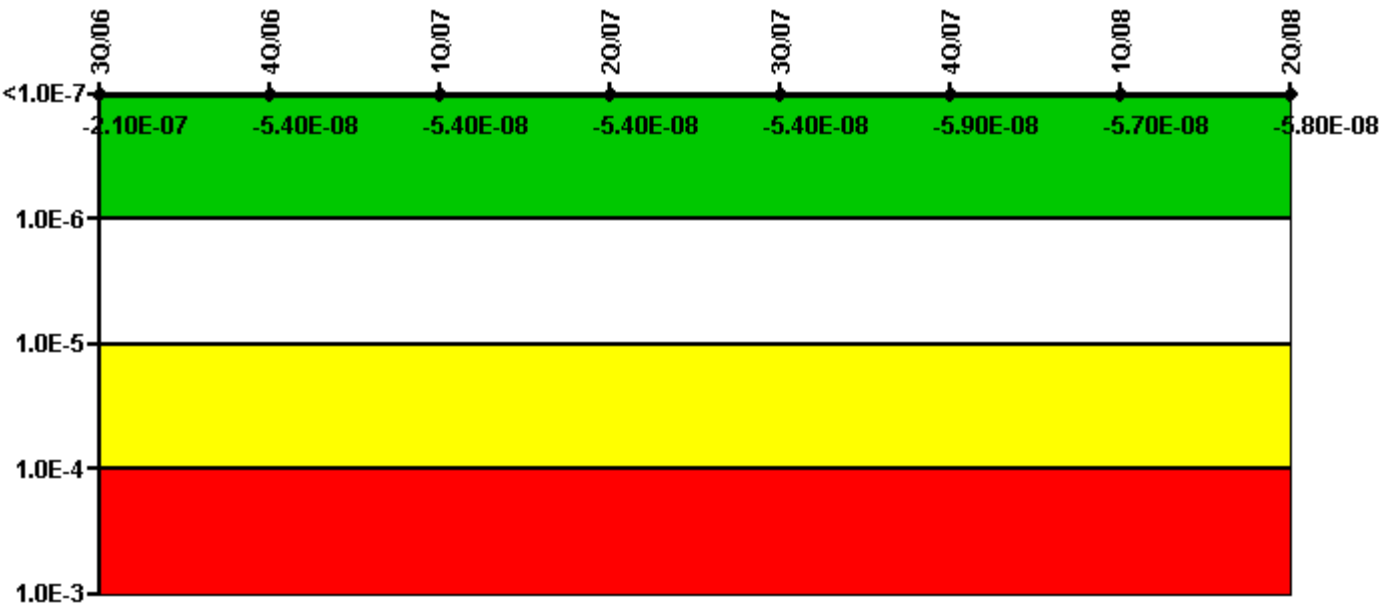
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	-1.60E-07	-4.00E-08	-3.90E-08	-5.30E-08	-5.90E-08	-8.40E-08	-8.80E-08	-8.80E-08
URI ( $\Delta$ CDF)	-3.30E-07	-1.30E-07	-1.30E-07	-1.20E-07	-1.20E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.90E-07	-1.70E-07	-1.69E-07	-1.73E-07	-1.79E-07	-2.14E-07	-2.18E-07	-2.18E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



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

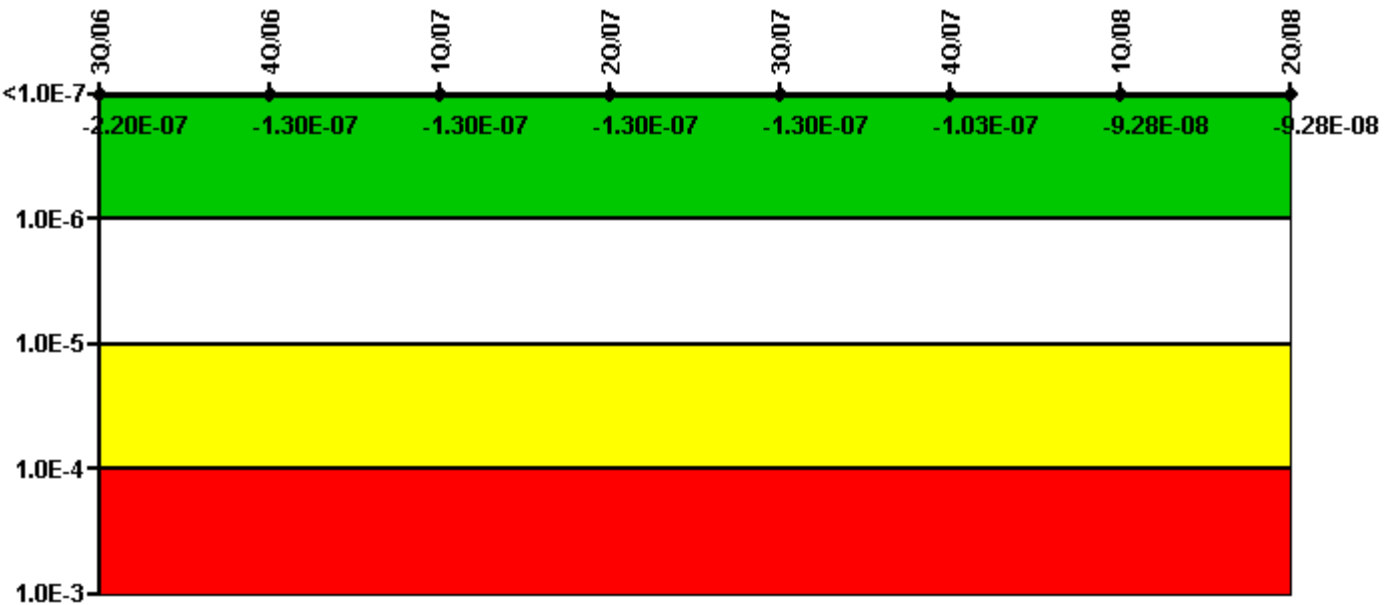
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	-5.00E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.50E-08	-1.10E-08	-1.10E-08
URI ( $\Delta$ CDF)	-1.60E-07	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.40E-08	-4.60E-08	-4.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.10E-07	-5.40E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.90E-08	-5.70E-08	-5.80E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



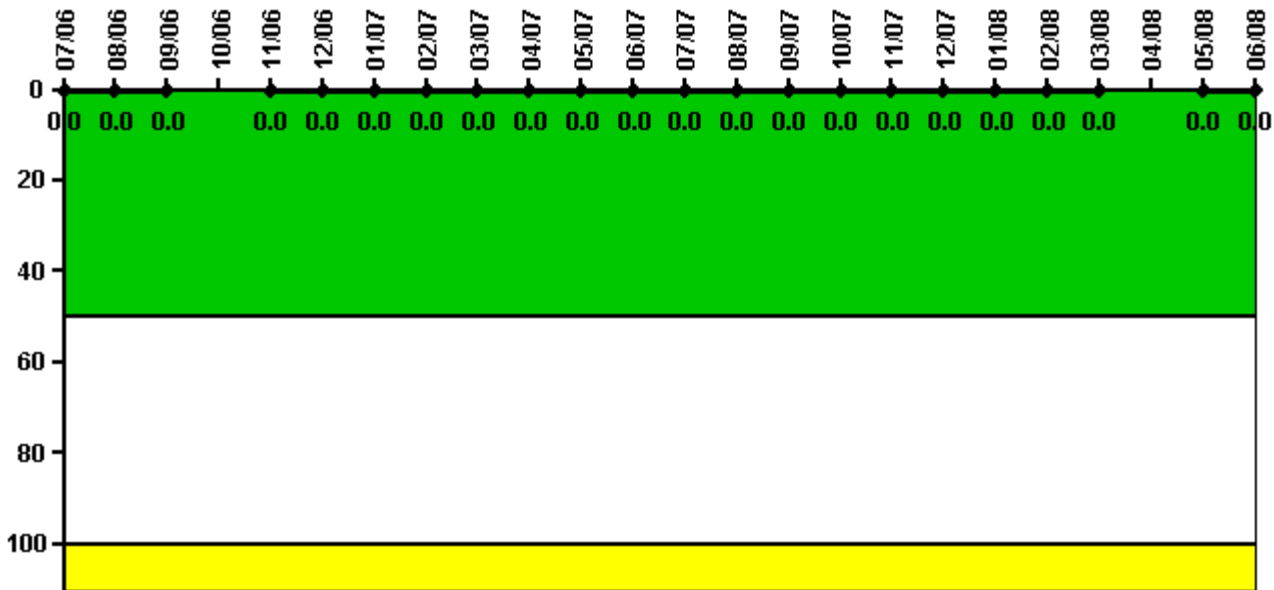
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	-1.10E-11	-3.20E-14	-3.20E-14	-3.20E-14	-3.20E-14	7.10E-09	7.20E-09	7.20E-09
URI ( $\Delta$ CDF)	-2.20E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.10E-07	-1.00E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.20E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.03E-07	-9.28E-08	-9.28E-08

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

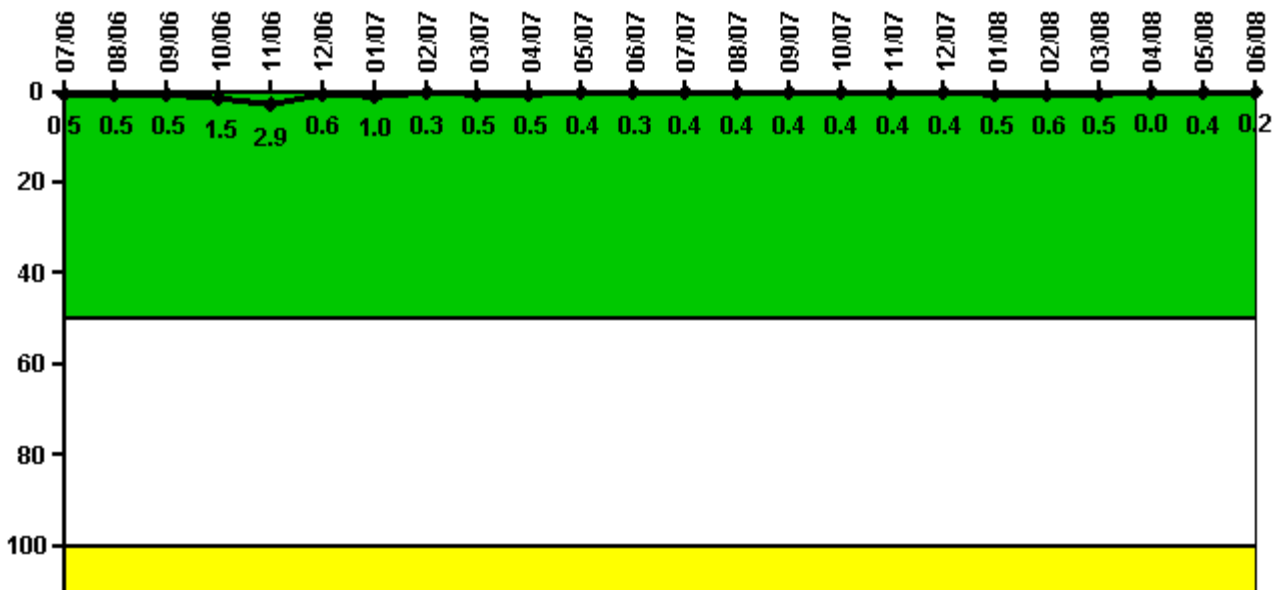
Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000112	0.000104	0.000125	N/A	0.000042	0.000059	0.000058	0.000077	0.000070	0.000055	0.000084	0.000079
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	N/A	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000087	0.000084	0.000088	0.000079	0.000084	0.000100	0.000120	0.000102	0.000148	N/A	0.000055	0.000057
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



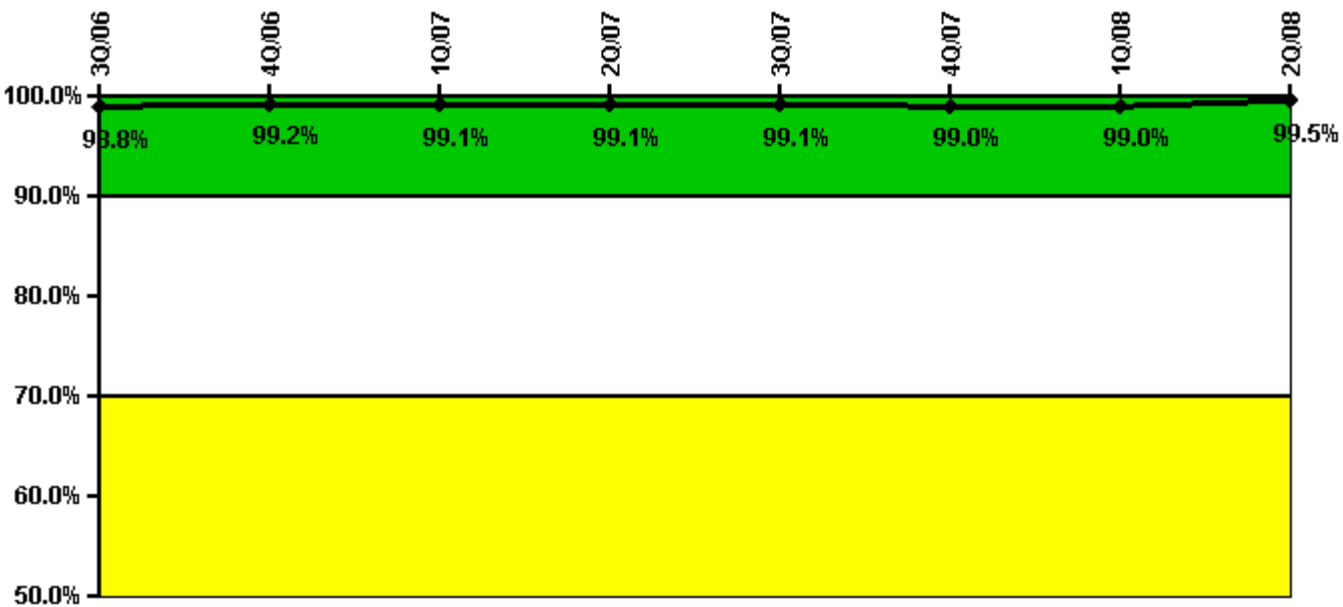
Thresholds: White > 50.0 Yellow > 100.0

## Notes

<b>Reactor Coolant System Leakage</b>	<b>7/06</b>	<b>8/06</b>	<b>9/06</b>	<b>10/06</b>	<b>11/06</b>	<b>12/06</b>	<b>1/07</b>	<b>2/07</b>	<b>3/07</b>	<b>4/07</b>	<b>5/07</b>	<b>6/07</b>
Maximum leakage	0.046	0.050	0.050	0.152	0.290	0.060	0.103	0.030	0.045	0.047	0.035	0.034
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>1.5</b>	<b>2.9</b>	<b>0.6</b>	<b>1.0</b>	<b>0.3</b>	<b>0.5</b>	<b>0.5</b>	<b>0.4</b>	<b>0.3</b>
<b>Reactor Coolant System Leakage</b>	<b>7/07</b>	<b>8/07</b>	<b>9/07</b>	<b>10/07</b>	<b>11/07</b>	<b>12/07</b>	<b>1/08</b>	<b>2/08</b>	<b>3/08</b>	<b>4/08</b>	<b>5/08</b>	<b>6/08</b>
Maximum leakage	0.036	0.040	0.035	0.036	0.039	0.039	0.045	0.057	0.053	0	0.039	0.018
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Indicator value</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.5</b>	<b>0.6</b>	<b>0.5</b>	<b>0</b>	<b>0.4</b>	<b>0.2</b>

Licensee Comments: none

# Drill/Exercise Performance



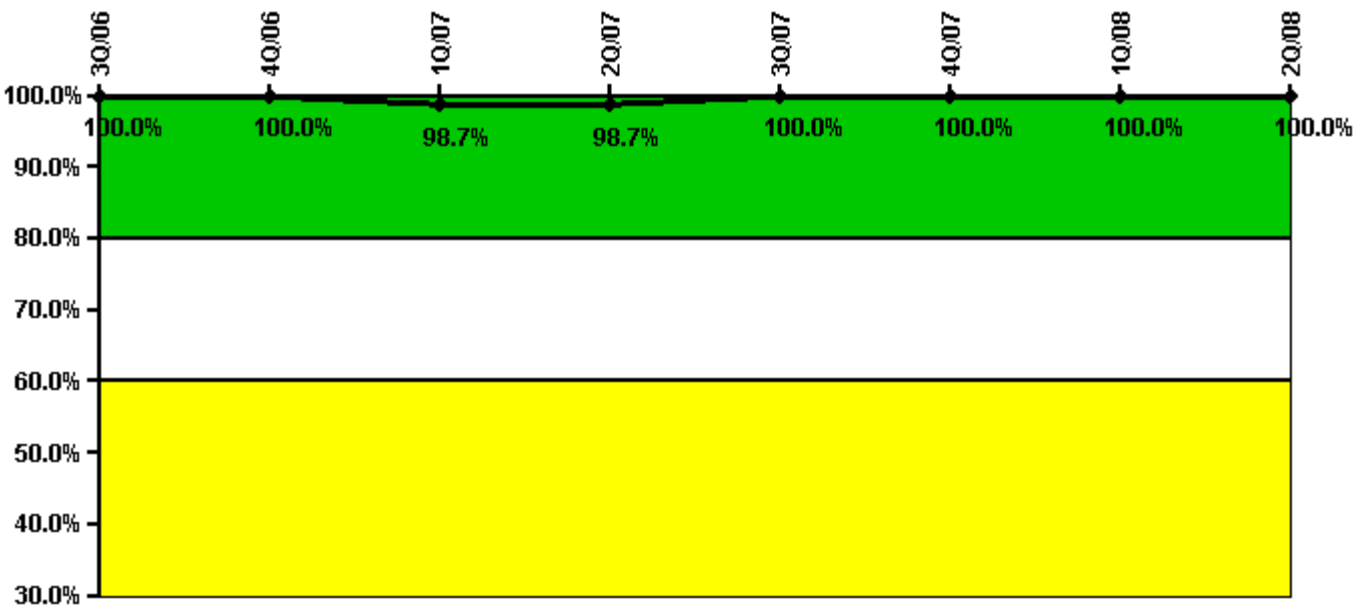
Thresholds: White < 90.0% Yellow < 70.0%

## Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	24.0	32.0	18.0	17.0	29.0	33.0	19.0	16.0
Total opportunities	25.0	32.0	18.0	17.0	29.0	33.0	19.0	16.0
Indicator value	98.8%	99.2%	99.1%	99.1%	99.1%	99.0%	99.0%	99.5%

Licensee Comments: none

# ERO Drill Participation



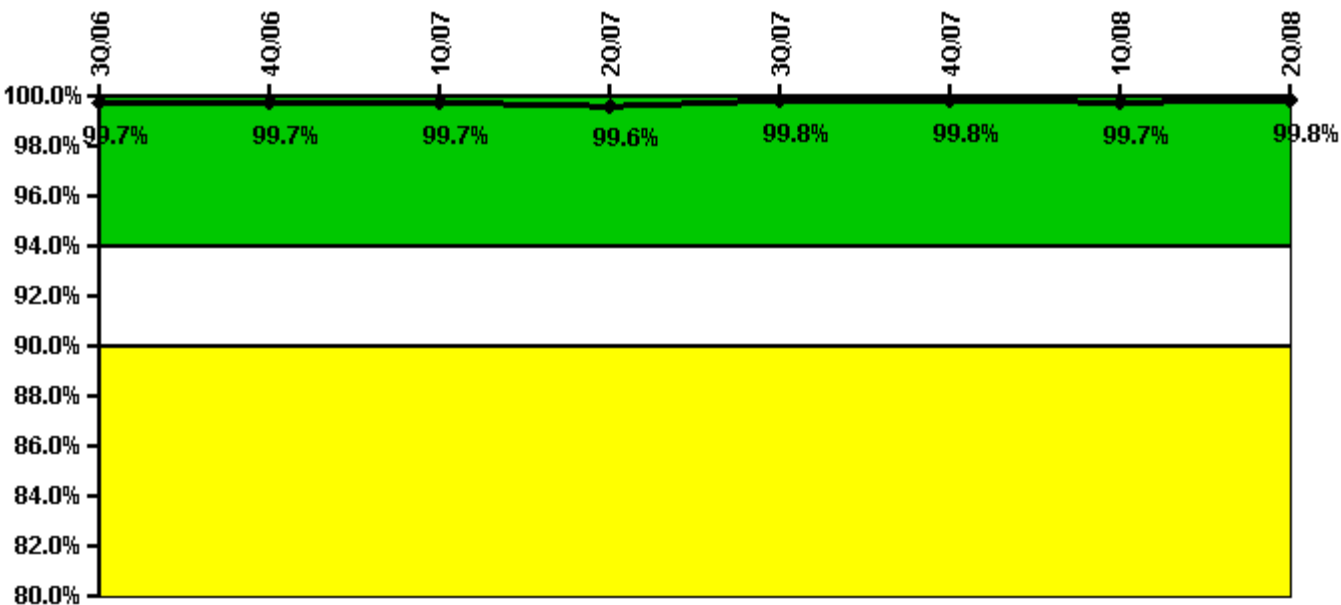
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	84.0	81.0	77.0	75.0	89.0	83.0	82.0	81.0
Total Key personnel	84.0	81.0	78.0	76.0	89.0	83.0	82.0	81.0
Indicator value	100.0%	100.0%	98.7%	98.7%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

# Alert & Notification System



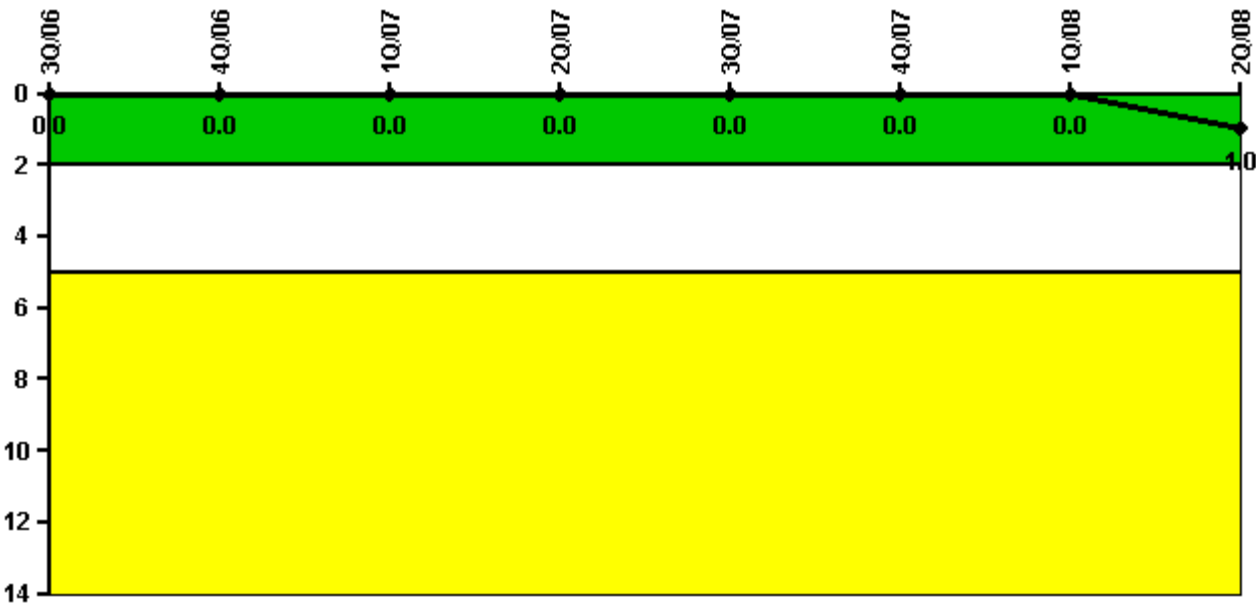
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	838	725	847	724	845	724	845	725
Total sirens-tests	847	726	847	726	847	726	847	726
Indicator value	99.7%	99.7%	99.7%	99.6%	99.8%	99.8%	99.7%	99.8%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



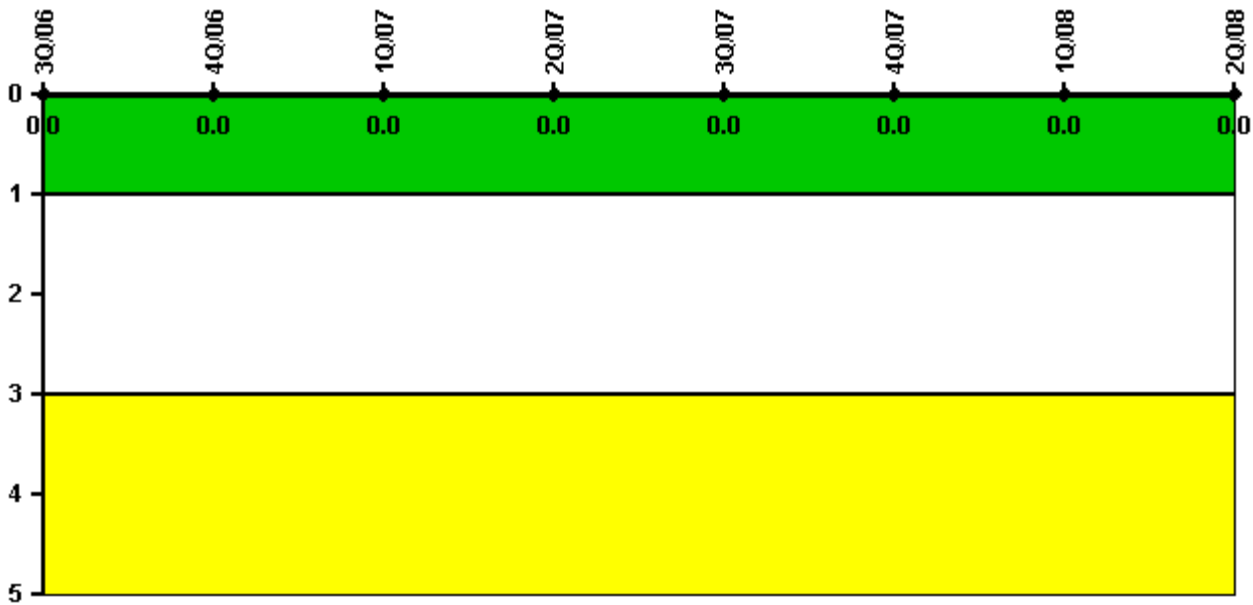
Thresholds: White > 2.0 Yellow > 5.0

## 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	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	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	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