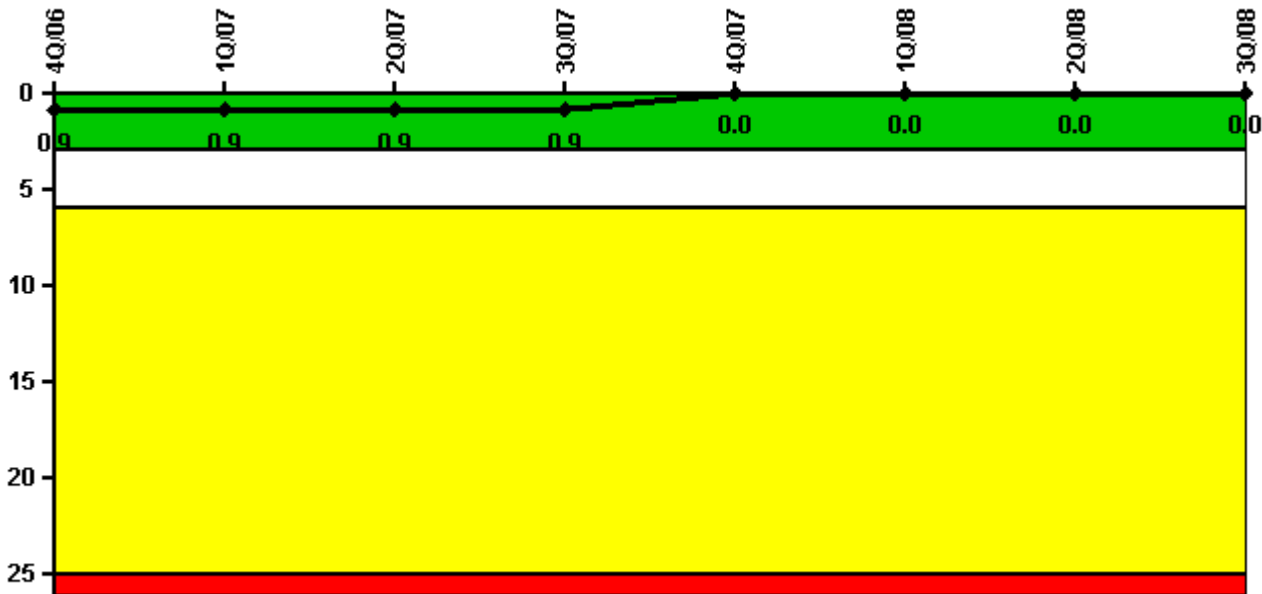


# Surry 2

## 3Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



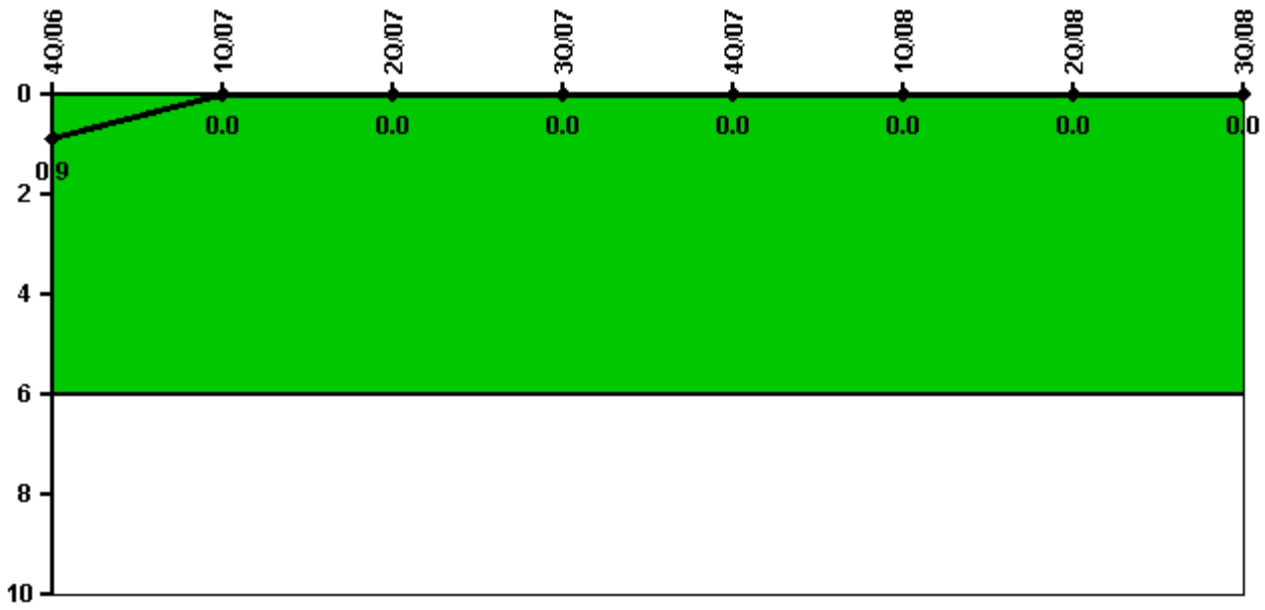
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	0	0	0	0	0	0
Critical hours	1170.7	2159.0	2184.0	2208.0	2209.0	2183.0	1622.6	2208.0
Indicator value	0.9	0.9	0.9	0.9	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



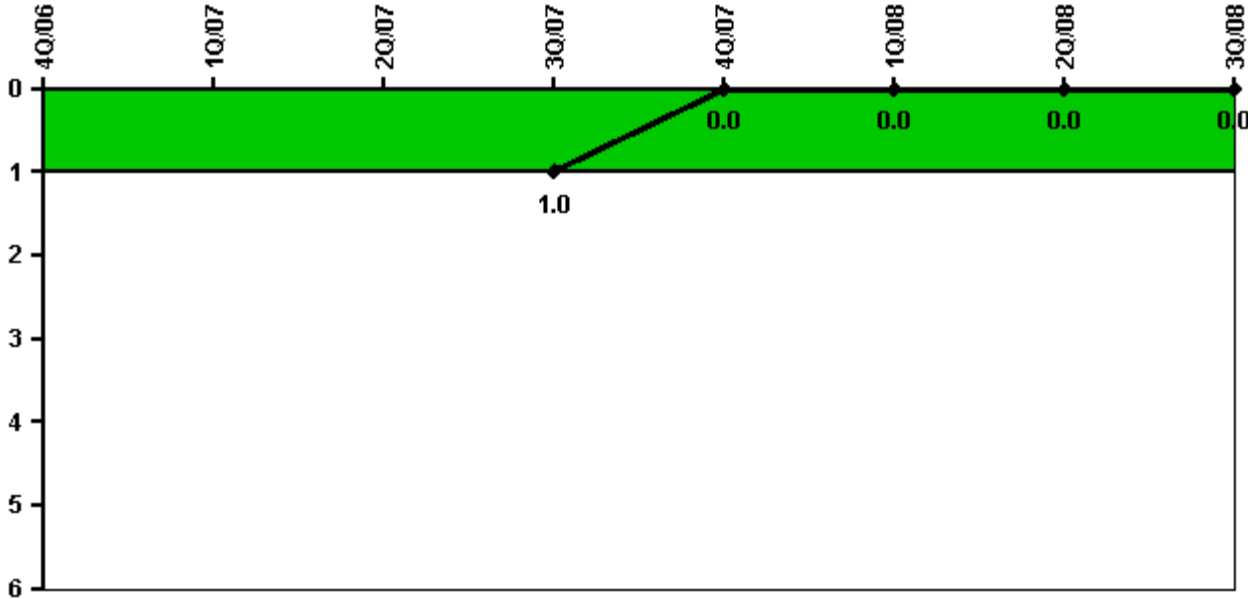
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1170.7	2159.0	2184.0	2208.0	2209.0	2183.0	1622.6	2208.0
Indicator value	0.9	0	0	0	0	0	0	0

Licensee Comments: none

# Unplanned Scrams with Complications



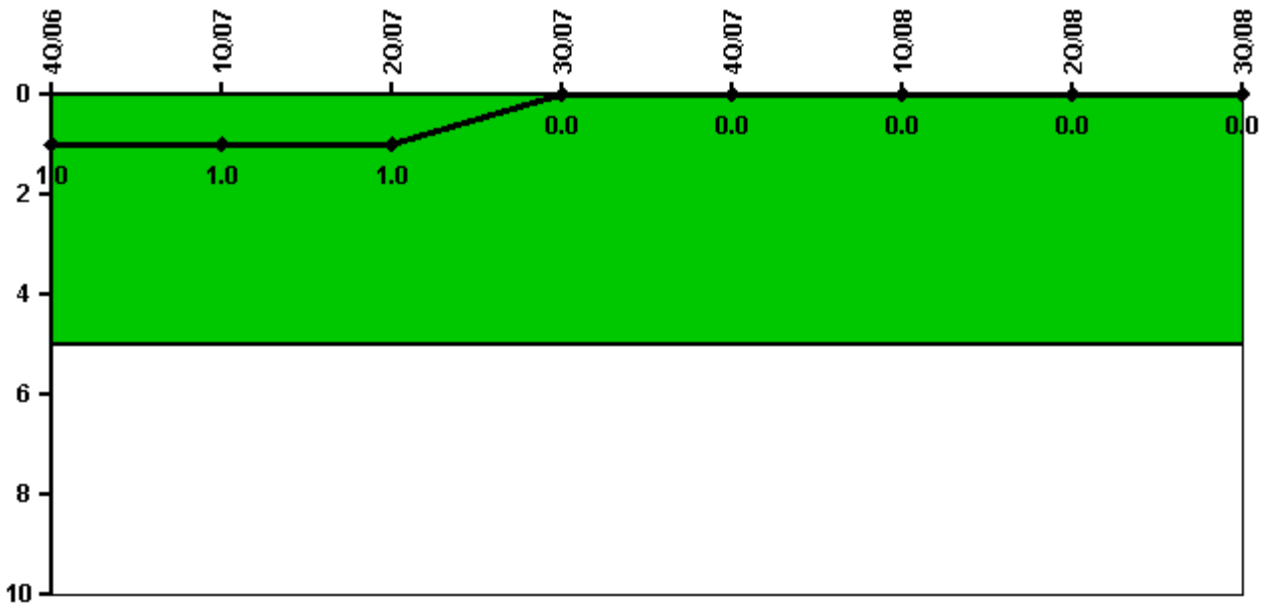
Thresholds: White > 1.0

**Notes**

Unplanned Scrams with Complications	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Scrams with complications	1.0	0	0	0	0	0	0	0
Indicator value				1.0	0.0	0.0	0.0	0.0

Licensee Comments: none

## Safety System Functional Failures (PWR)



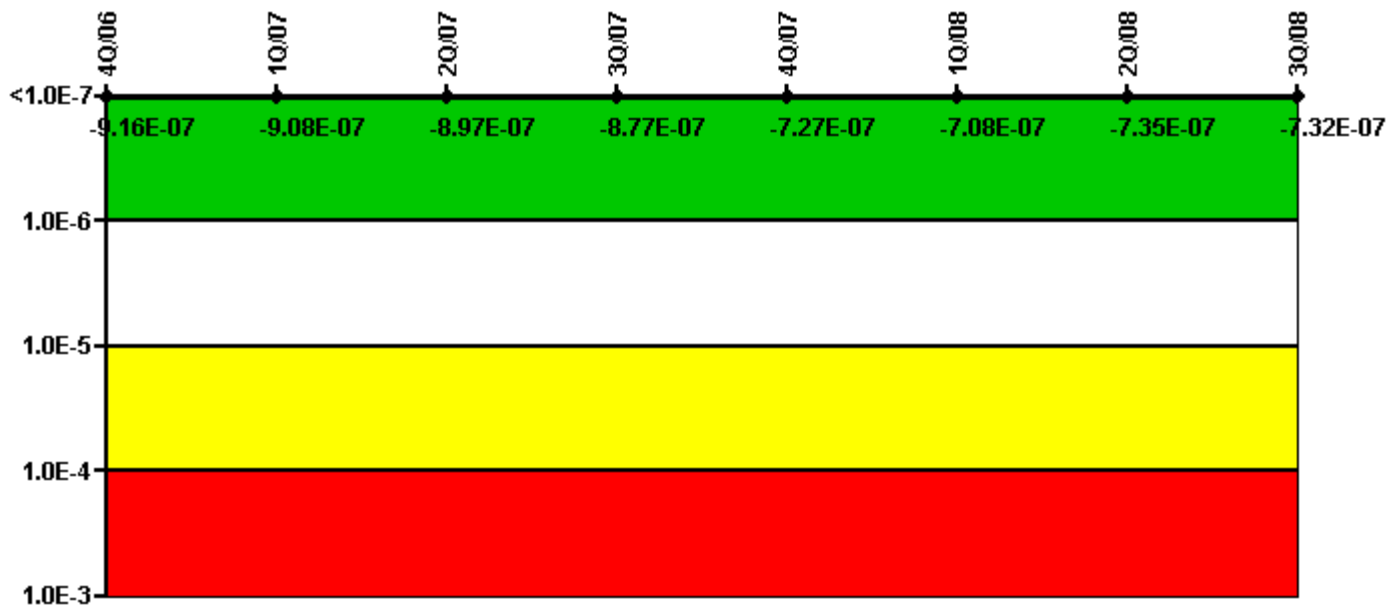
Thresholds: White > 5.0

### 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	0
Indicator value	1	1	1	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/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	7.40E-08	7.20E-08	7.30E-08	7.30E-08	3.30E-08	6.20E-08	4.50E-08	4.80E-08
URI (ΔCDF)	-9.90E-07	-9.80E-07	-9.70E-07	-9.50E-07	-7.60E-07	-7.70E-07	-7.80E-07	-7.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.16E-07	-9.08E-07	-8.97E-07	-8.77E-07	-7.27E-07	-7.08E-07	-7.35E-07	-7.32E-07

Licensee Comments:

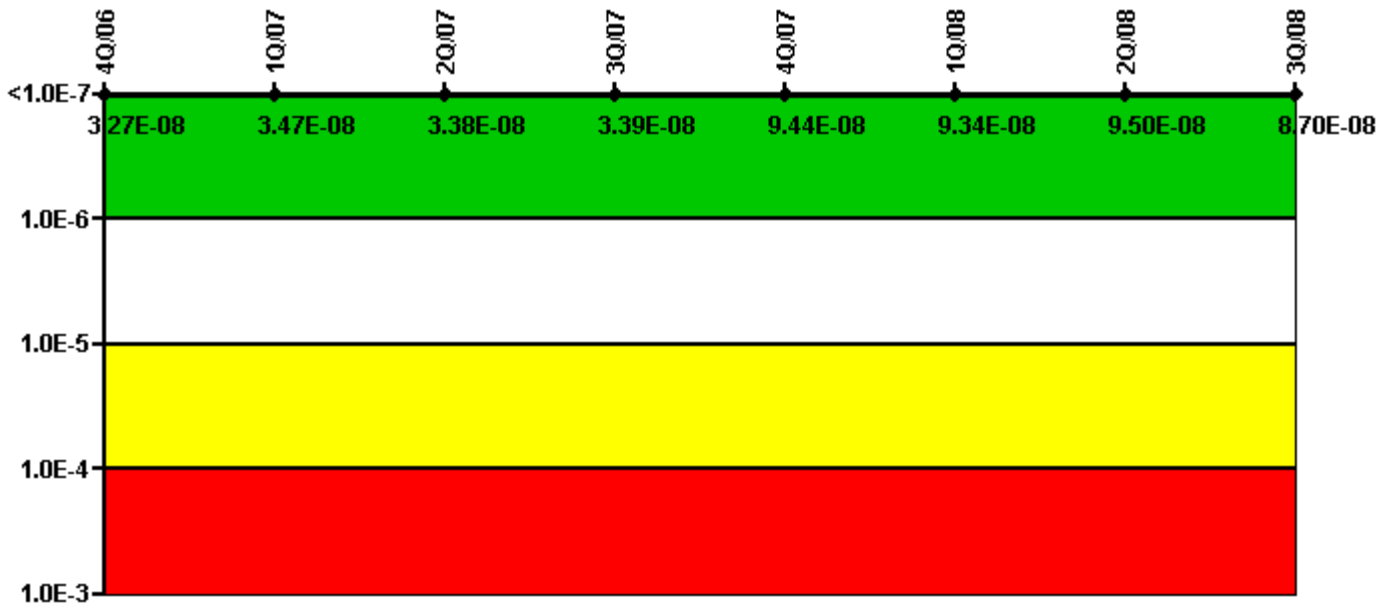
3Q/08: Changed PRA Parameter(s). A PRA parameter for 1st quarter 2008 was corrected with no change in color.

2Q/08: Changed PRA Parameter(s).

1Q/08: Changed PRA Parameter(s).

4Q/07: Changed PRA Parameter(s).

# Mitigating Systems Performance Index, High Pressure Injection System



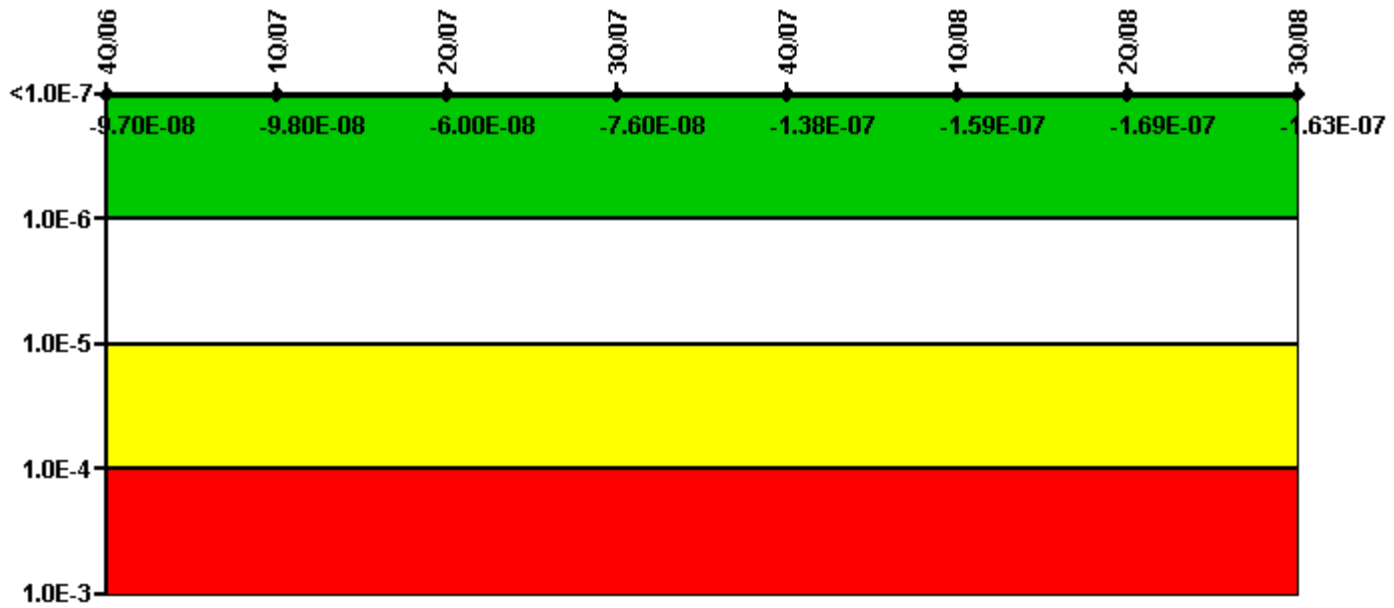
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)	6.70E-09	7.70E-09	7.80E-09	7.90E-09	7.40E-09	7.40E-09	1.30E-08	1.30E-08
URI ( $\Delta$ CDF)	2.60E-08	2.70E-08	2.60E-08	2.60E-08	8.70E-08	8.60E-08	8.20E-08	7.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.27E-08	3.47E-08	3.38E-08	3.39E-08	9.44E-08	9.34E-08	9.50E-08	8.70E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



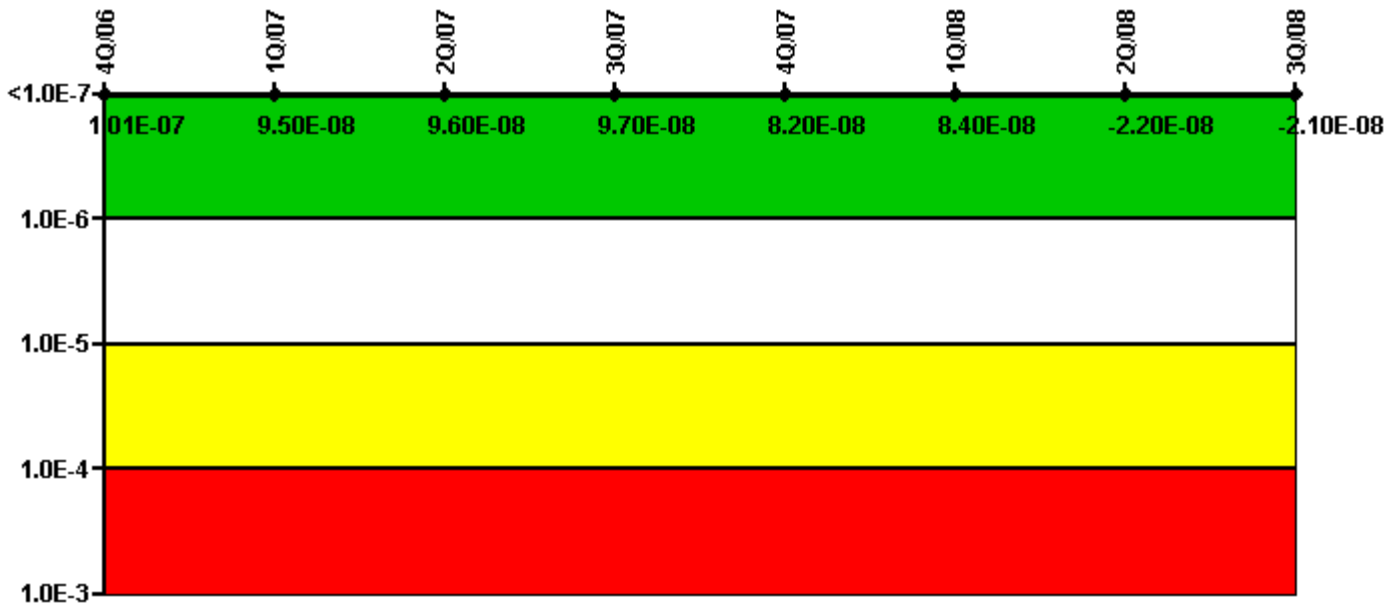
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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 ( $\Delta$ CDF)	2.30E-08	2.20E-08	5.00E-08	3.40E-08	-2.80E-08	-4.90E-08	-4.90E-08	-4.30E-08
URI ( $\Delta$ CDF)	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.20E-07	-1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.70E-08	-9.80E-08	-6.00E-08	-7.60E-08	-1.38E-07	-1.59E-07	-1.69E-07	-1.63E-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

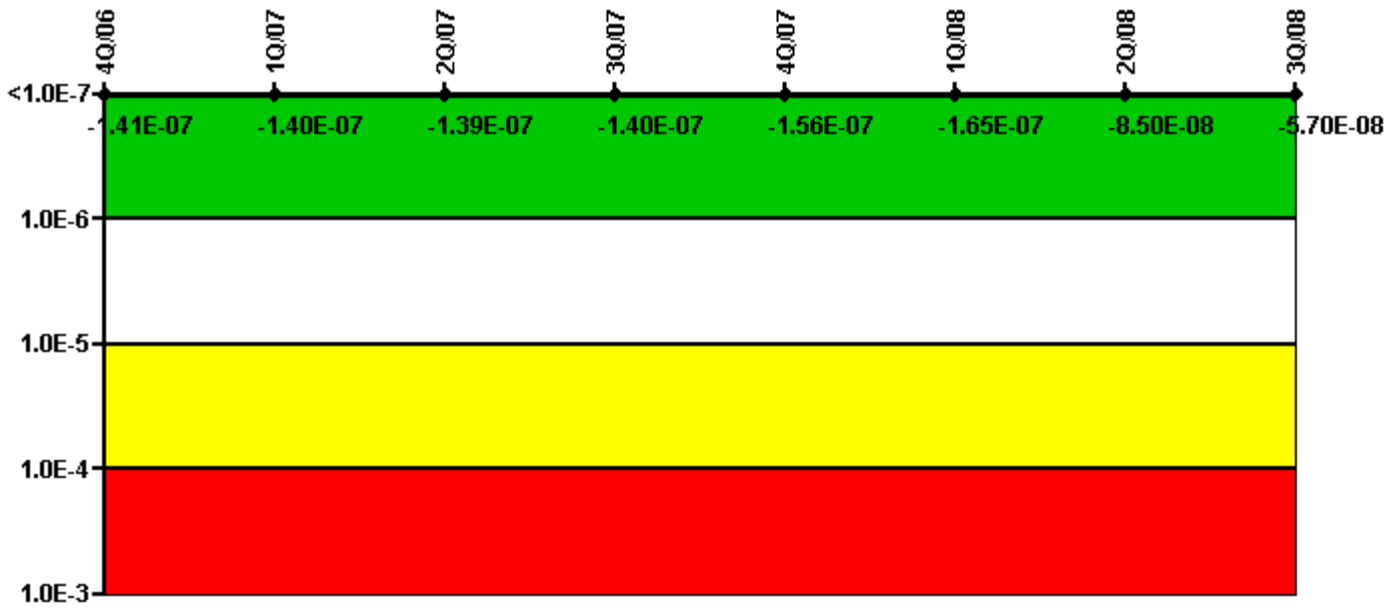
## Notes

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)	1.70E-08	1.10E-08	1.10E-08	1.10E-08	-5.00E-09	-5.00E-09	-5.00E-09	-5.00E-09
URI ( $\Delta$ CDF)	8.40E-08	8.40E-08	8.50E-08	8.60E-08	8.70E-08	8.90E-08	-1.70E-08	-1.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.01E-07	9.50E-08	9.60E-08	9.70E-08	8.20E-08	8.40E-08	-2.20E-08	-2.10E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



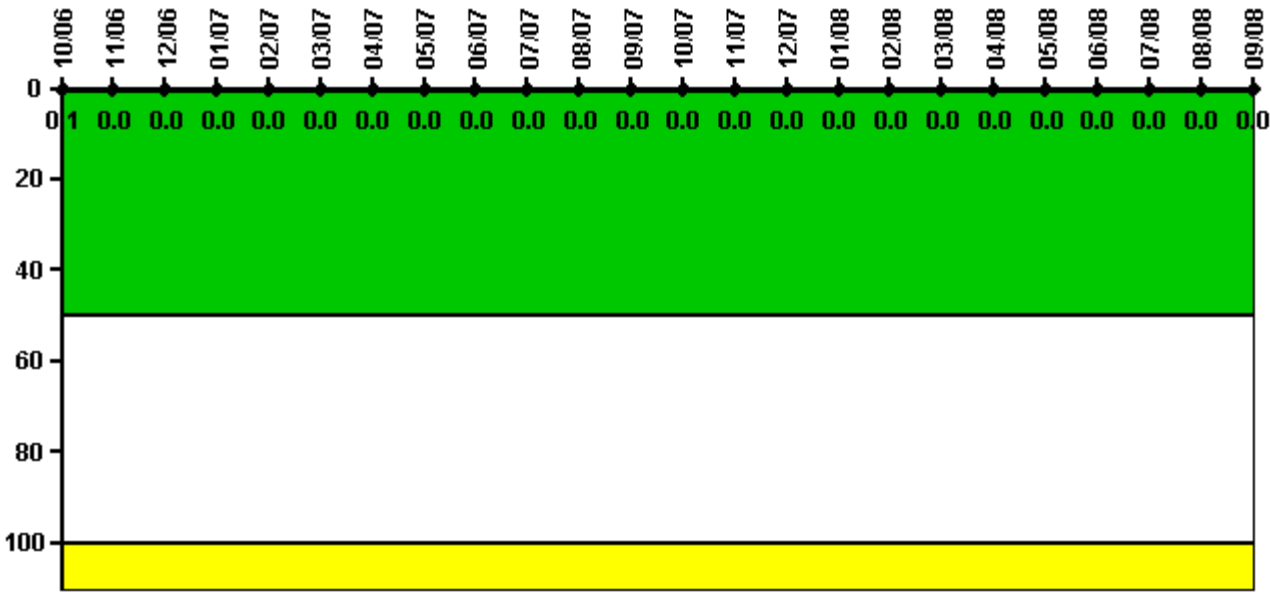
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)	-1.10E-09	1.30E-10	8.10E-10	1.90E-10	-5.90E-09	-1.50E-08	6.50E-08	9.30E-08
URI ( $\Delta$ CDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.41E-07	-1.40E-07	-1.39E-07	-1.40E-07	-1.56E-07	-1.65E-07	-8.50E-08	-5.70E-08

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

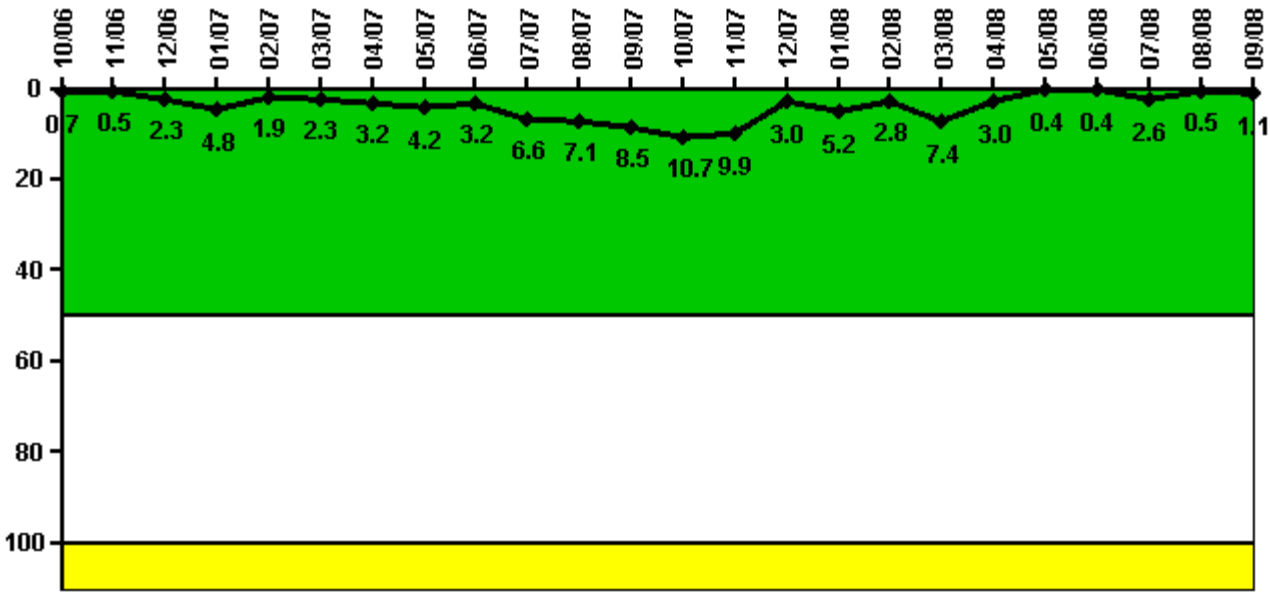
Reactor Coolant System Activity	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity	0.000504	0.000298	0.000386	0.000341	0.000394	0.000367	0.000365	0.000428	0.000411	0.000437	0.000407	0.000355
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0	0	0	0	0	0	0	0	0	0	0

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	0.000351	0.000345	0.000397	0.000388	0.000338	0.000415	0.000372	0.000232	0.000330	0.000199	0.000198	0.000168
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



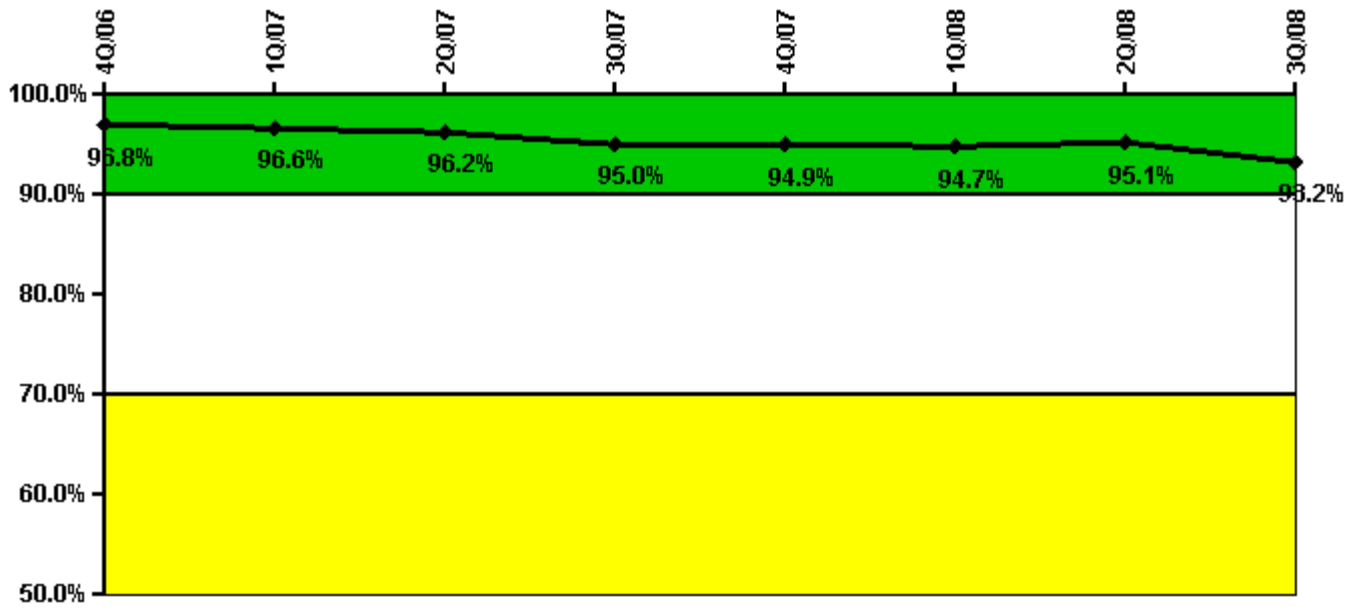
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	0.070	0.050	0.230	0.480	0.190	0.230	0.320	0.420	0.320	0.660	0.710	0.850
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	0.5	2.3	4.8	1.9	2.3	3.2	4.2	3.2	6.6	7.1	8.5
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	1.070	0.990	0.300	0.520	0.280	0.740	0.300	0.040	0.040	0.260	0.050	0.110
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	10.7	9.9	3.0	5.2	2.8	7.4	3.0	0.4	0.4	2.6	0.5	1.1

Licensee Comments: none

## Drill/Exercise Performance



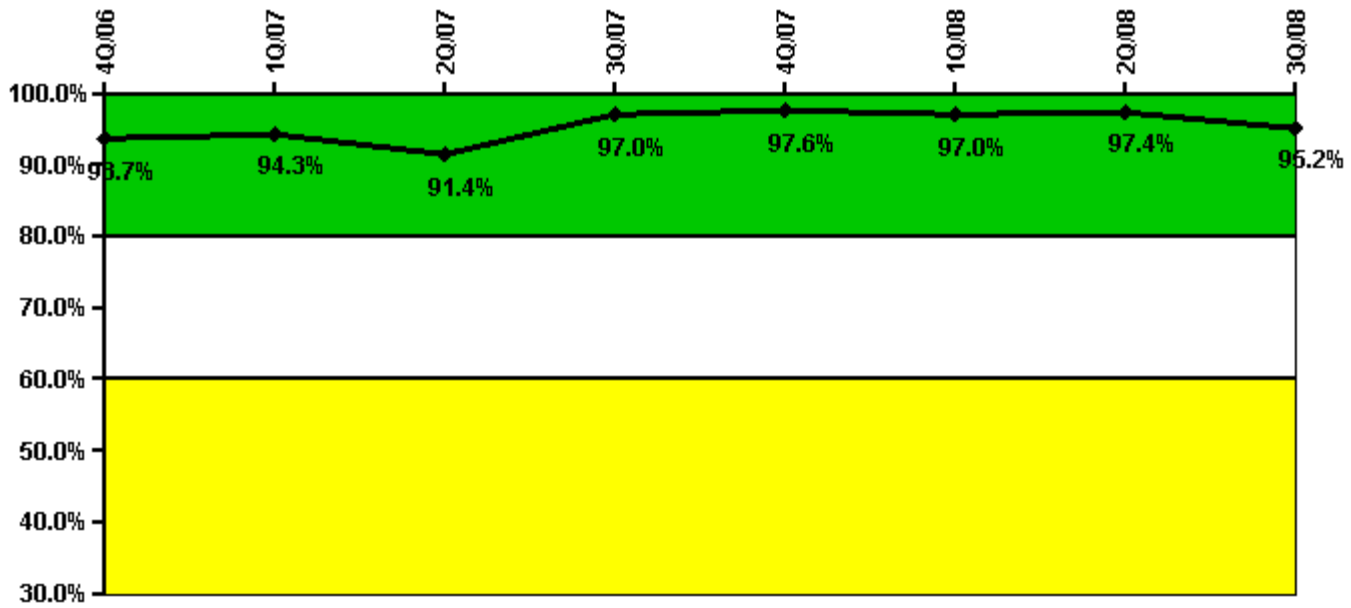
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	1.0	32.0	25.0	18.0	24.0	43.0	41.0	37.0
Total opportunities	3.0	34.0	26.0	20.0	24.0	45.0	42.0	43.0
Indicator value	96.8%	96.6%	96.2%	95.0%	94.9%	94.7%	95.1%	93.2%

Licensee Comments: none

## ERO Drill Participation



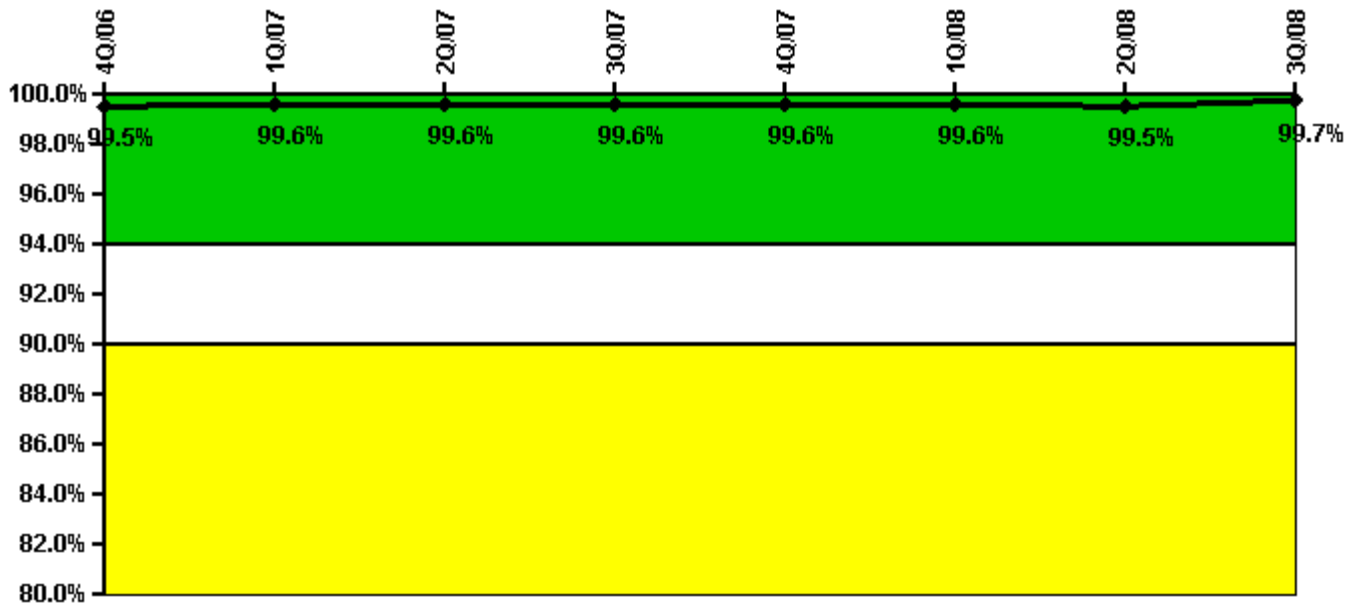
**Thresholds:** White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	149.0	164.0	159.0	164.0	160.0	128.0	149.0	138.0
Total Key personnel	159.0	174.0	174.0	169.0	164.0	132.0	153.0	145.0
Indicator value	93.7%	94.3%	91.4%	97.0%	97.6%	97.0%	97.4%	95.2%

Licensee Comments: none

## Alert & Notification System



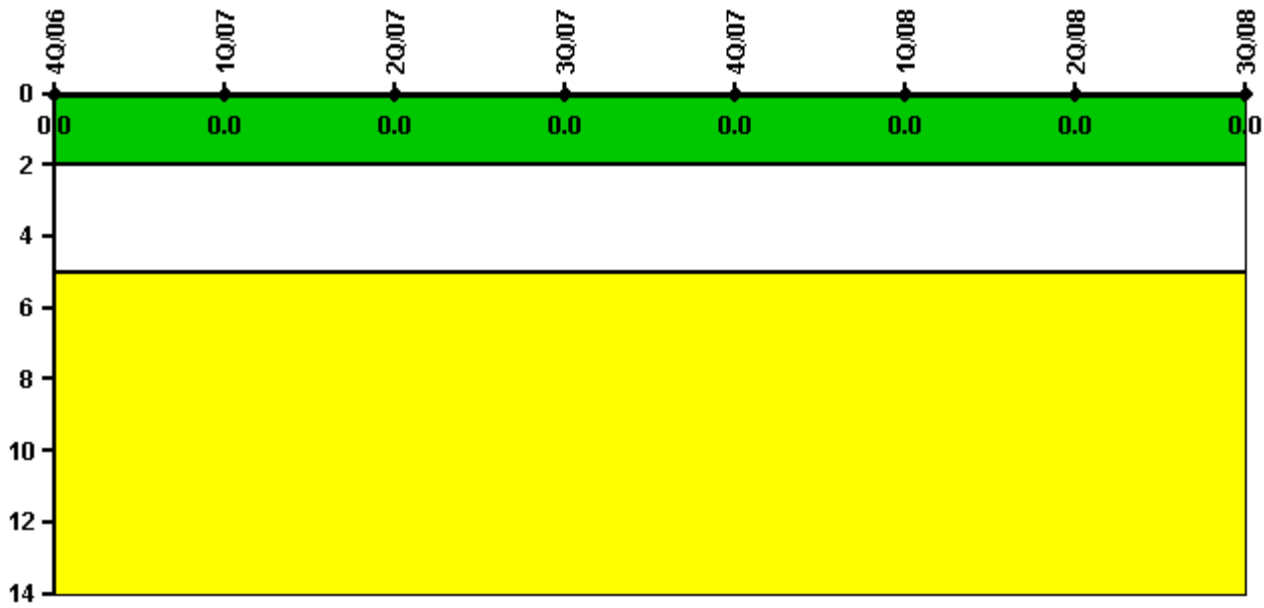
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	476	543	474	539	476	543	472	475
Total sirens-tests	476	544	476	544	476	544	476	476
Indicator value	99.5%	99.6%	99.6%	99.6%	99.6%	99.6%	99.5%	99.7%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



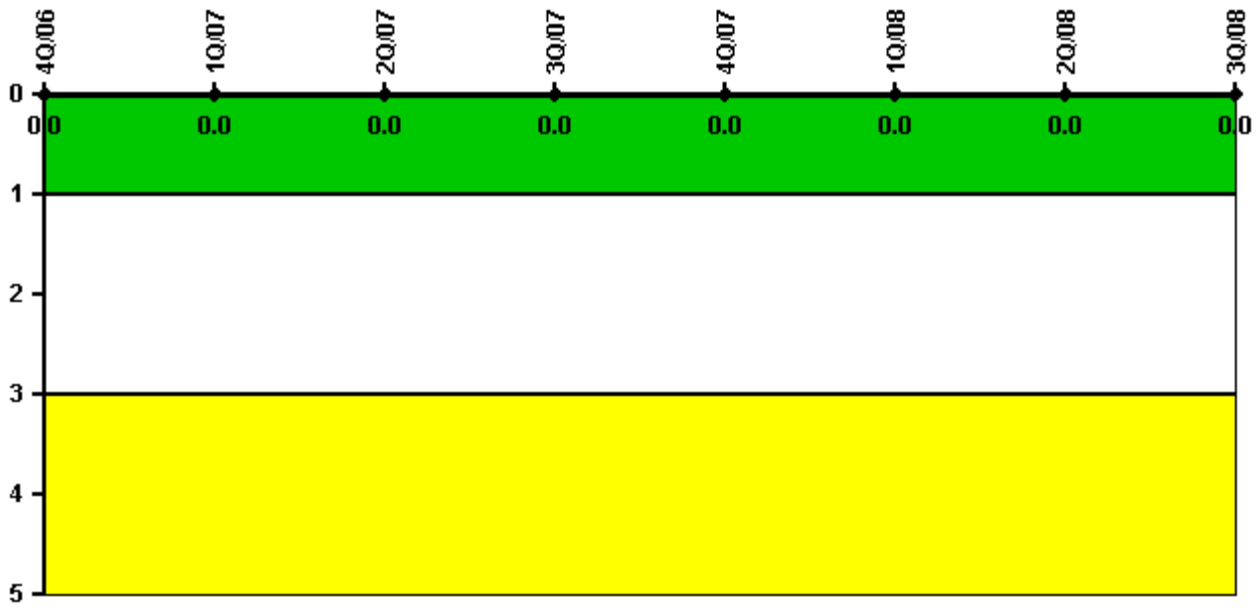
Thresholds: White > 2.0 Yellow > 5.0

### 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.