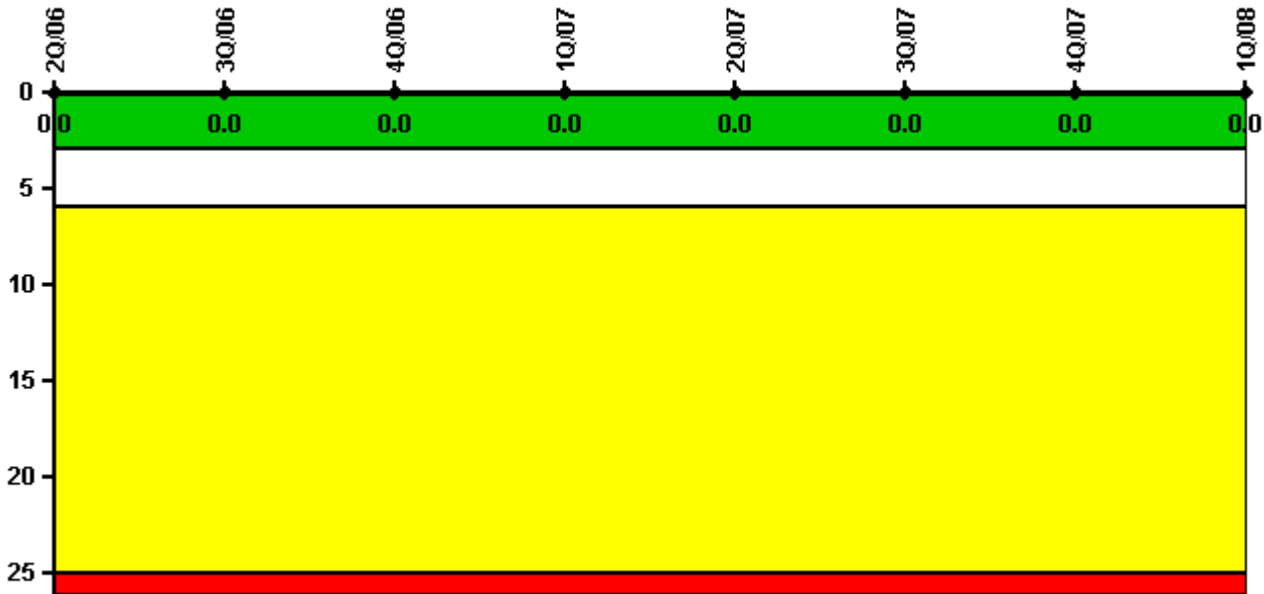


# Surry 1

## 1Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



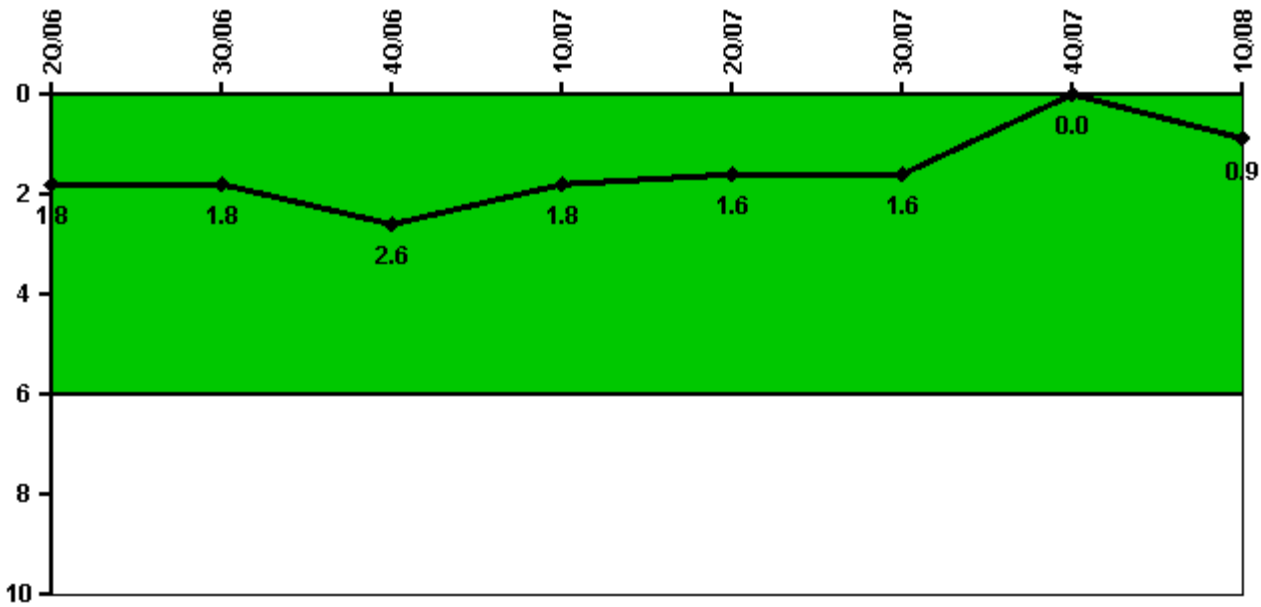
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1413.5	2208.0	2209.0	2133.5	2184.0	2208.0	1236.0	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

# Unplanned Power Changes per 7000 Critical Hrs



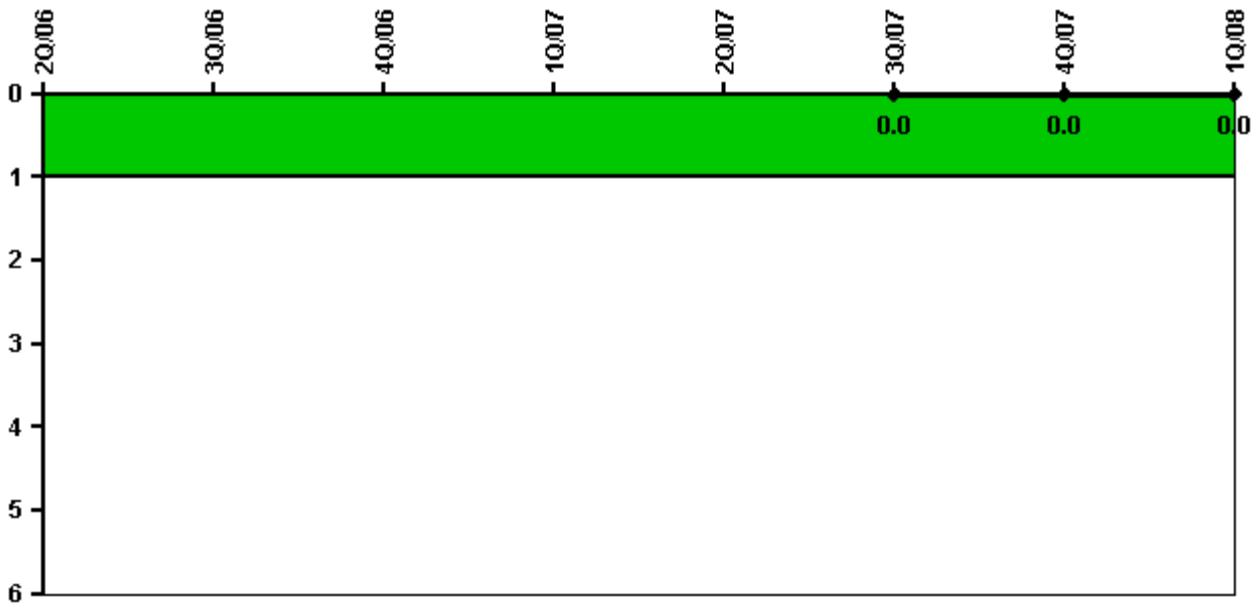
Thresholds: White > 6.0

## Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	2.0	0	0	0	0	1.0
Critical hours	1413.5	2208.0	2209.0	2133.5	2184.0	2208.0	1236.0	2183.0
Indicator value	1.8	1.8	2.6	1.8	1.6	1.6	0	0.9

Licensee Comments: none

# Unplanned Scrams with Complications



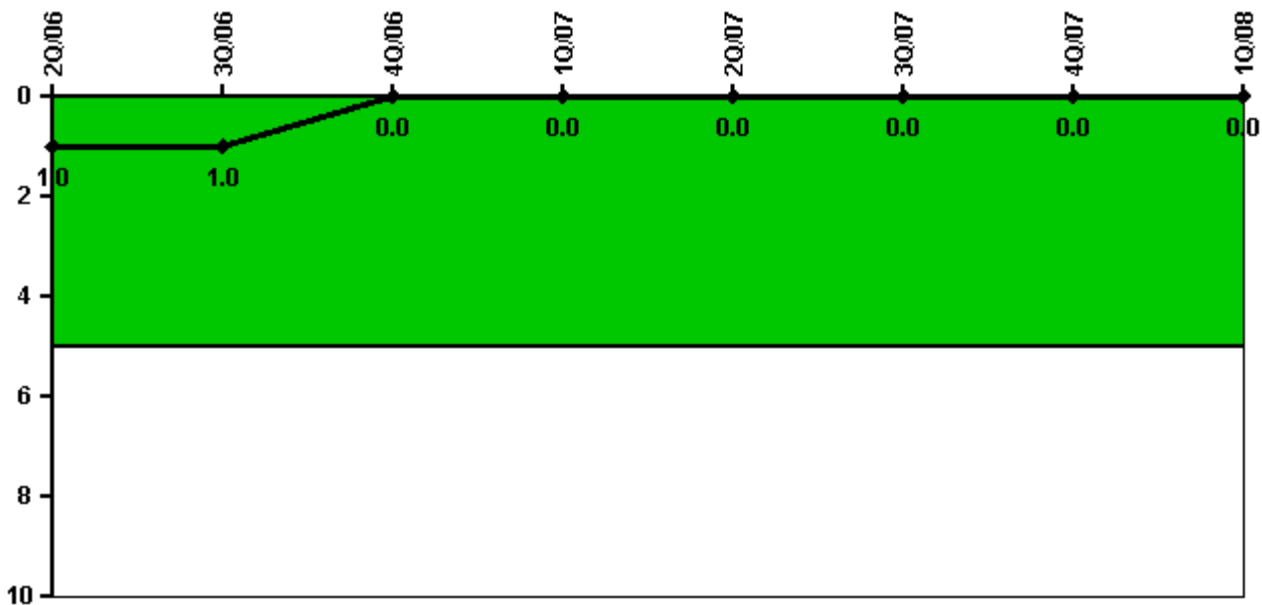
Thresholds: White > 1.0

## Notes

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

Licensee Comments: none

# Safety System Functional Failures (PWR)



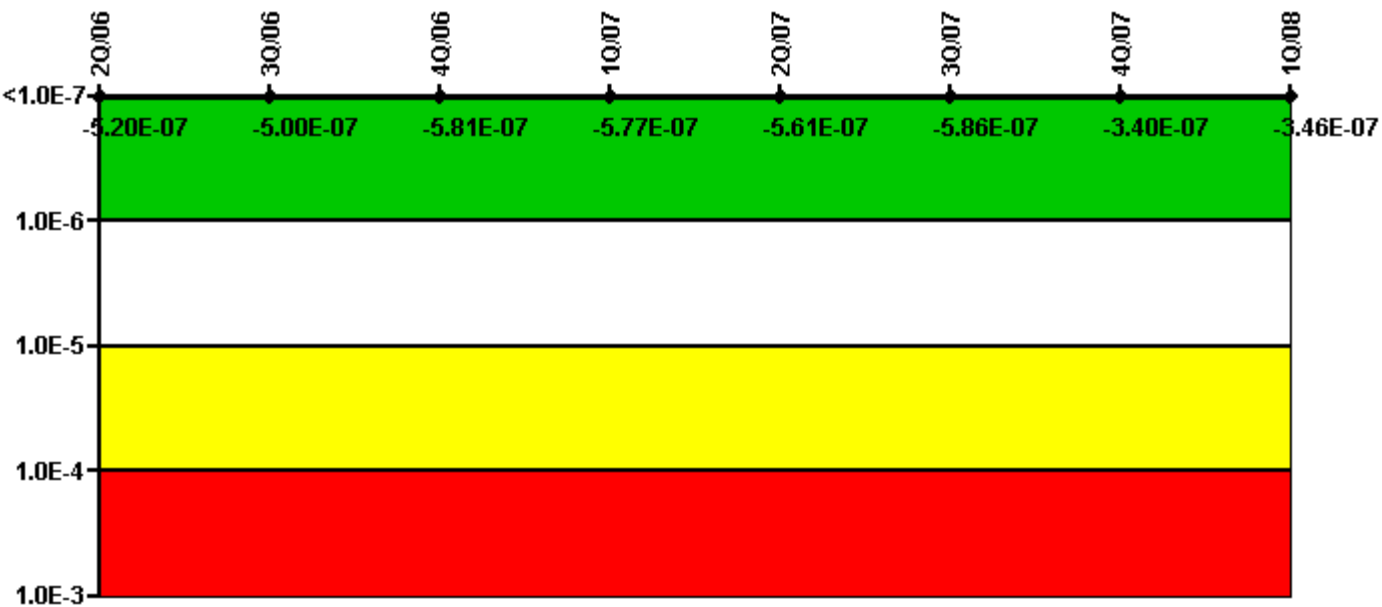
Thresholds: White > 5.0

## Notes

Safety System Functional Failures (PWR)	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	1	1	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

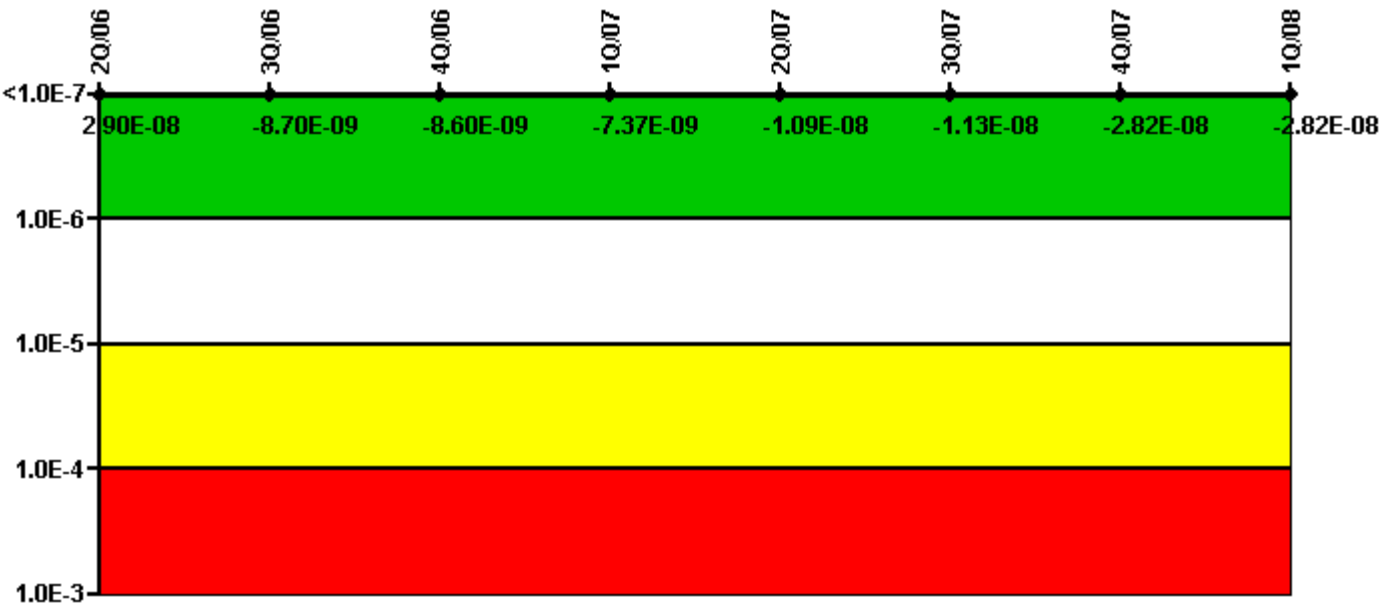
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	5.00E-08	6.00E-08	5.90E-08	5.30E-08	5.90E-08	1.40E-08	1.00E-07	8.40E-08
URI (ΔCDF)	-5.70E-07	-5.60E-07	-6.40E-07	-6.30E-07	-6.20E-07	-6.00E-07	-4.40E-07	-4.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.20E-07	-5.00E-07	-5.81E-07	-5.77E-07	-5.61E-07	-5.86E-07	-3.40E-07	-3.46E-07

Licensee Comments:

1Q/08: 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

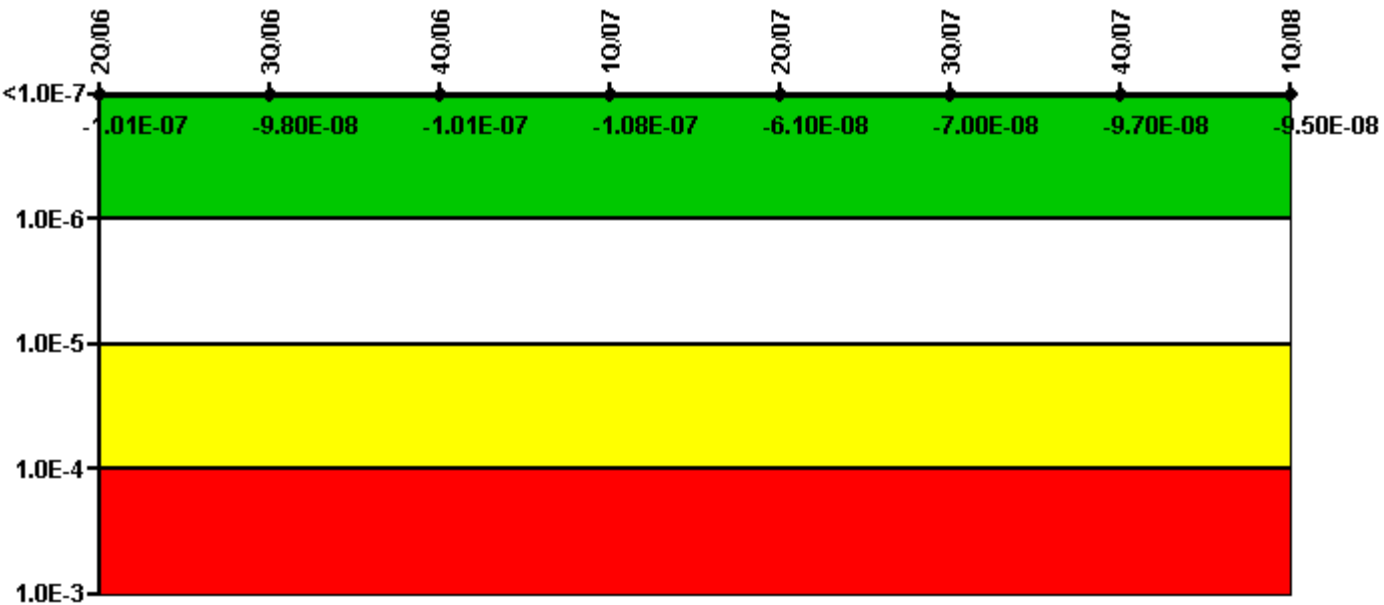
## Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	-1.00E-09	-2.30E-09	-2.30E-09	-7.70E-10	-9.20E-10	-1.30E-09	-2.20E-09	-2.20E-09
URI ( $\Delta$ CDF)	3.00E-08	-6.40E-09	-6.30E-09	-6.60E-09	-1.00E-08	-1.00E-08	-2.60E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.90E-08	-8.70E-09	-8.60E-09	-7.37E-09	-1.09E-08	-1.13E-08	-2.82E-08	-2.82E-08

Licensee Comments:

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

# Mitigating Systems Performance Index, Heat Removal System



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

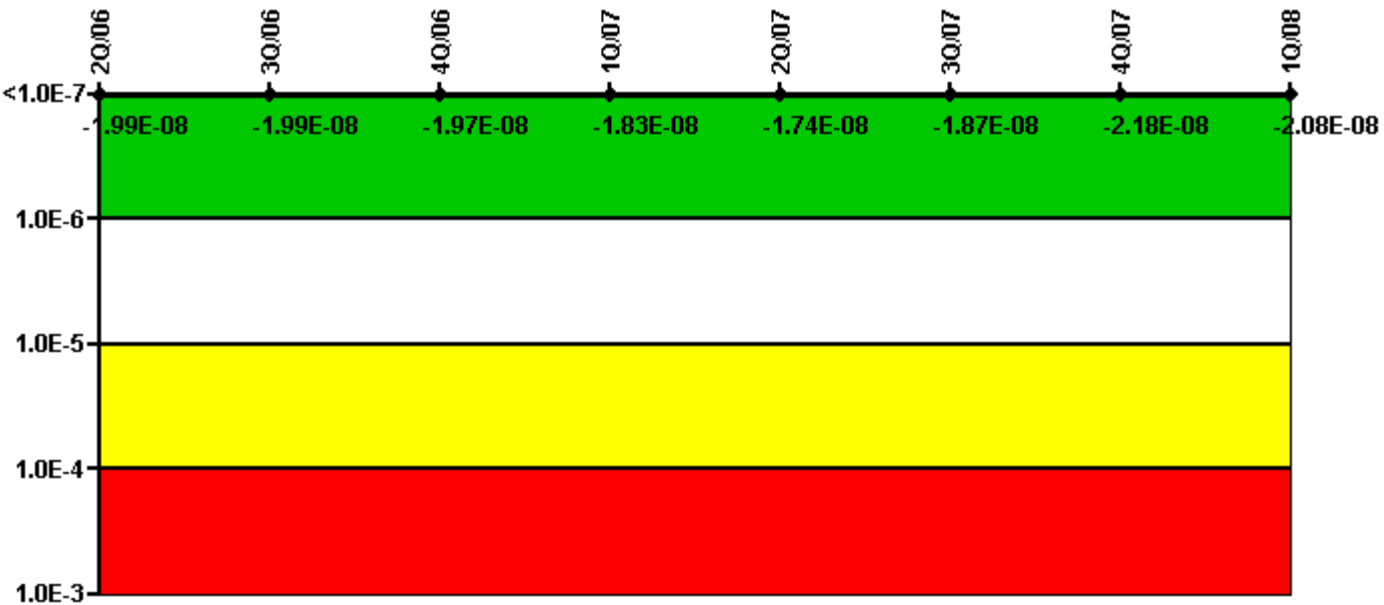
## Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	8.70E-09	1.20E-08	-6.30E-10	-8.10E-09	3.90E-08	4.00E-08	2.30E-08	2.50E-08
URI ( $\Delta$ CDF)	-1.10E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.20E-07	-1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.01E-07	-9.80E-08	-1.01E-07	-1.08E-07	-6.10E-08	-7.00E-08	-9.70E-08	-9.50E-08

Licensee Comments:

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

# Mitigating Systems Performance Index, Residual Heat Removal System



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

## Notes

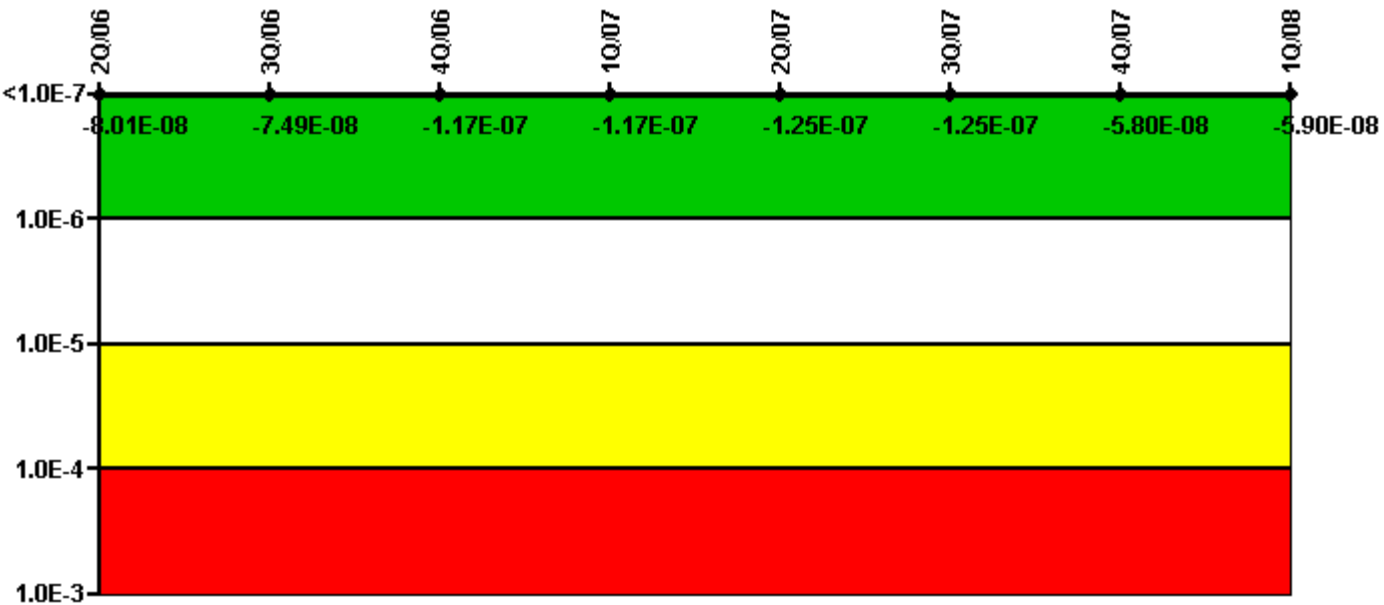
Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	-4.90E-09	-4.90E-09	-4.70E-09	-3.30E-09	-3.40E-09	-4.70E-09	-4.80E-09	-4.80E-09
URI ( $\Delta$ CDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.40E-08	-1.40E-08	-1.70E-08	-1.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.99E-08	-1.99E-08	-1.97E-08	-1.83E-08	-1.74E-08	-1.87E-08	-2.18E-08	-2.08E-08

Licensee Comments:

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



# Mitigating Systems Performance Index, Cooling Water Systems



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

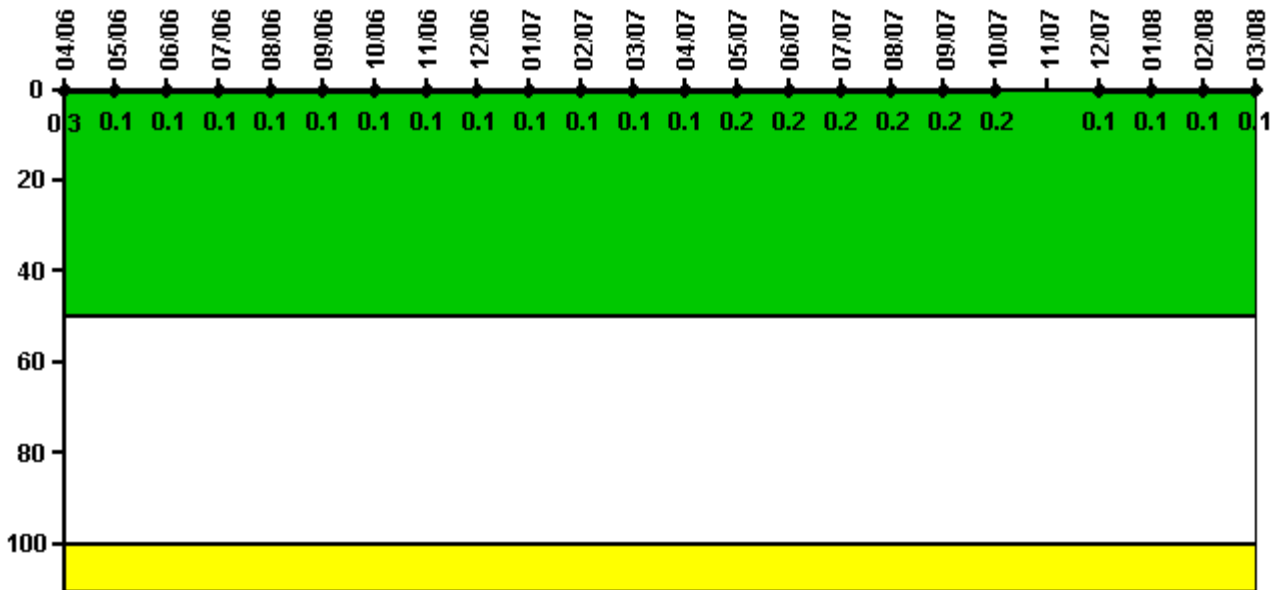
## Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	1.90E-09	3.10E-09	2.70E-09	2.70E-09	4.80E-09	5.00E-09	9.20E-08	9.10E-08
URI ( $\Delta$ CDF)	-8.20E-08	-7.80E-08	-1.20E-07	-1.20E-07	-1.30E-07	-1.30E-07	-1.50E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.01E-08	-7.49E-08	-1.17E-07	-1.17E-07	-1.25E-07	-1.25E-07	-5.80E-08	-5.90E-08

Licensee Comments:

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

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

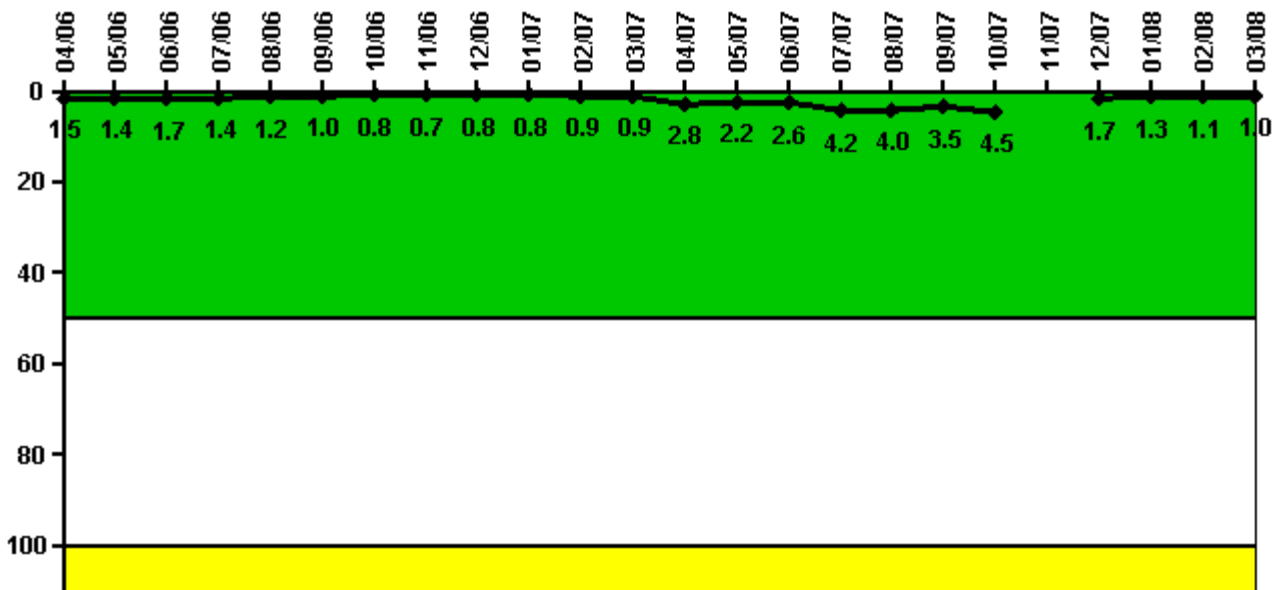
Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	0.003370	0.000813	0.001140	0.000901	0.000990	0.001120	0.001060	0.001120	0.001180	0.001220	0.001300	0.001420
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum activity	0.001430	0.001560	0.001520	0.001620	0.002360	0.001630	0.001750	N/A	0.001060	0.001250	0.001120	0.000964
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	0.2	0.2	0.2	0.2	0.2	0.2	N/A	0.1	0.1	0.1	0.1

Licensee Comments: none

# Reactor Coolant System Leakage



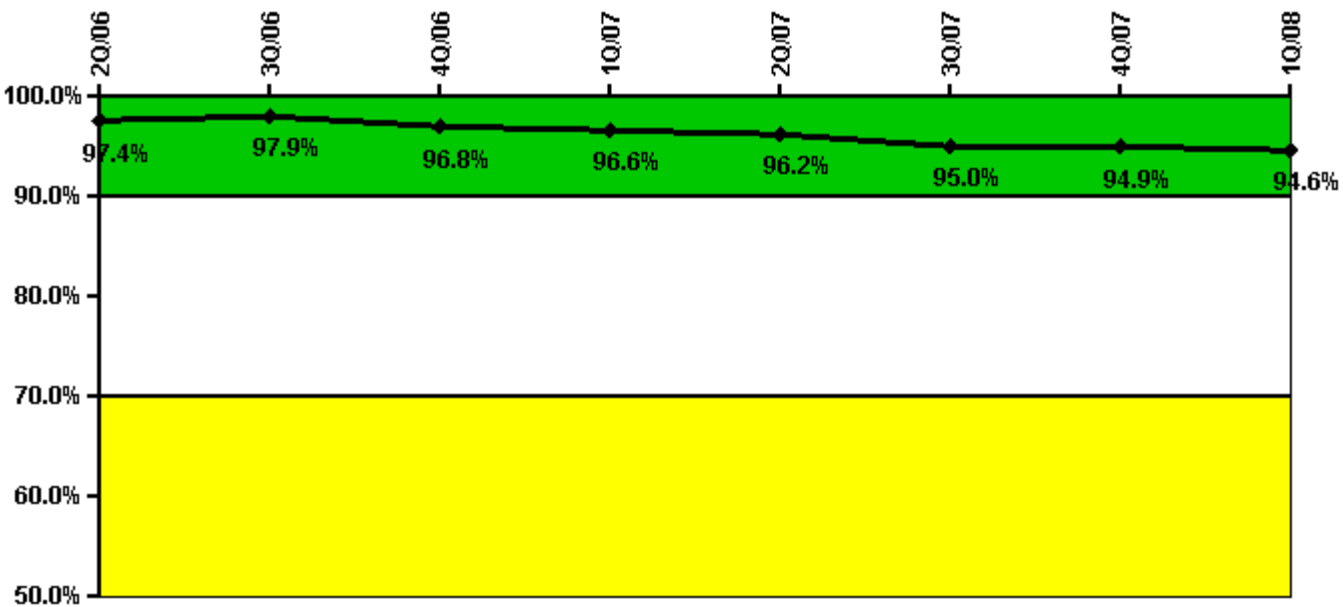
Thresholds: White > 50.0 Yellow > 100.0

## Notes

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0.150	0.140	0.170	0.140	0.120	0.100	0.080	0.070	0.080	0.080	0.090	0.090
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	1.5	1.4	1.7	1.4	1.2	1.0	0.8	0.7	0.8	0.8	0.9	0.9
Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.280	0.220	0.260	0.420	0.400	0.350	0.450	N/A	0.170	0.130	0.110	0.100
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	2.8	2.2	2.6	4.2	4.0	3.5	4.5	N/A	1.7	1.3	1.1	1.0

Licensee Comments: none

# Drill/Exercise Performance



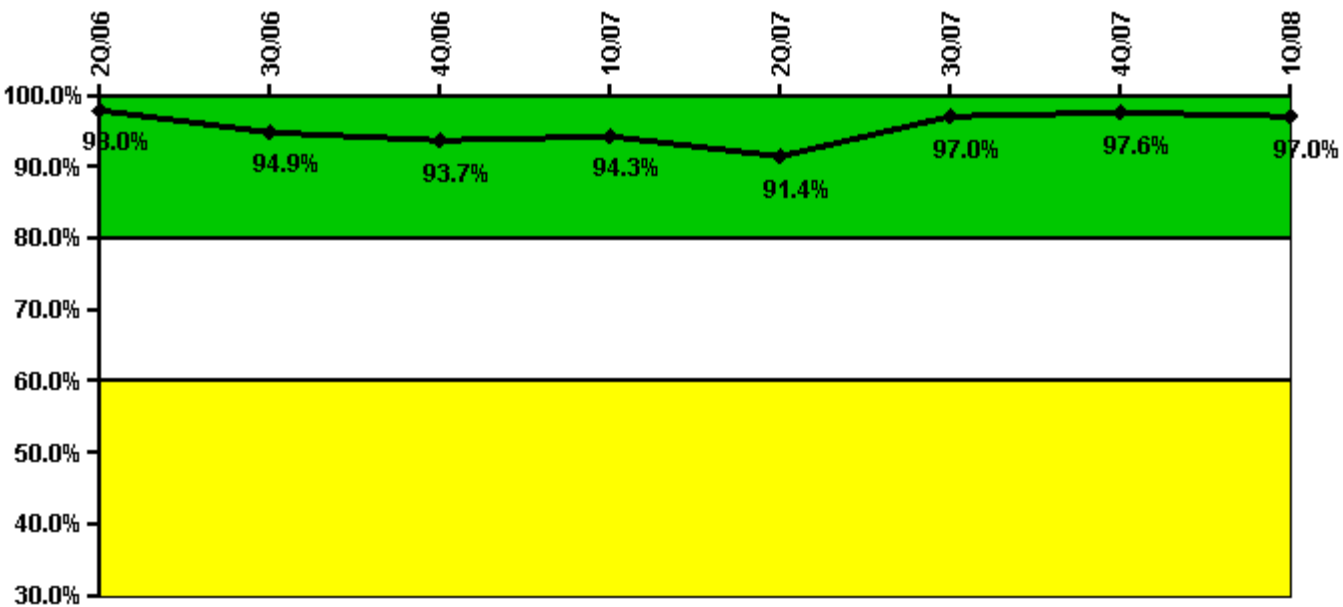
Thresholds: White < 90.0% Yellow < 70.0%

## Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	22.0	31.0	1.0	32.0	25.0	18.0	22.0	42.0
Total opportunities	23.0	32.0	3.0	34.0	26.0	20.0	22.0	44.0
Indicator value	97.4%	97.9%	96.8%	96.6%	96.2%	95.0%	94.9%	94.6%

Licensee Comments: none

# ERO Drill Participation



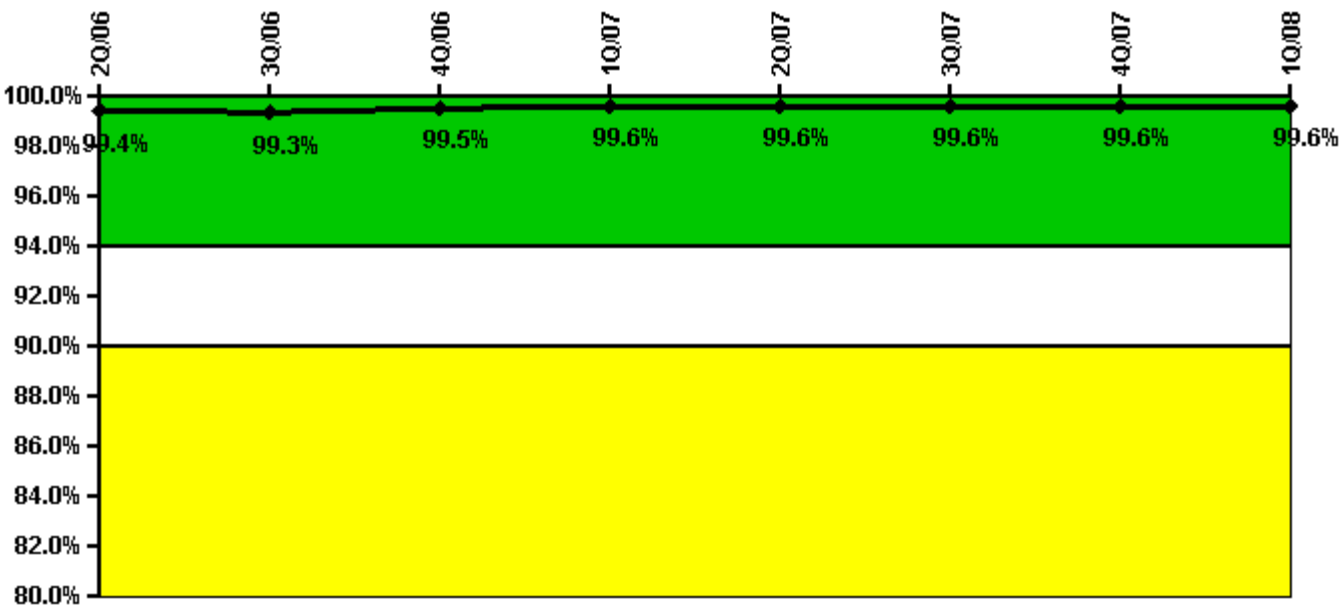
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	145.0	149.0	149.0	164.0	159.0	164.0	160.0	128.0
Total Key personnel	148.0	157.0	159.0	174.0	174.0	169.0	164.0	132.0
Indicator value	98.0%	94.9%	93.7%	94.3%	91.4%	97.0%	97.6%	97.0%

Licensee Comments: none

# Alert & Notification System



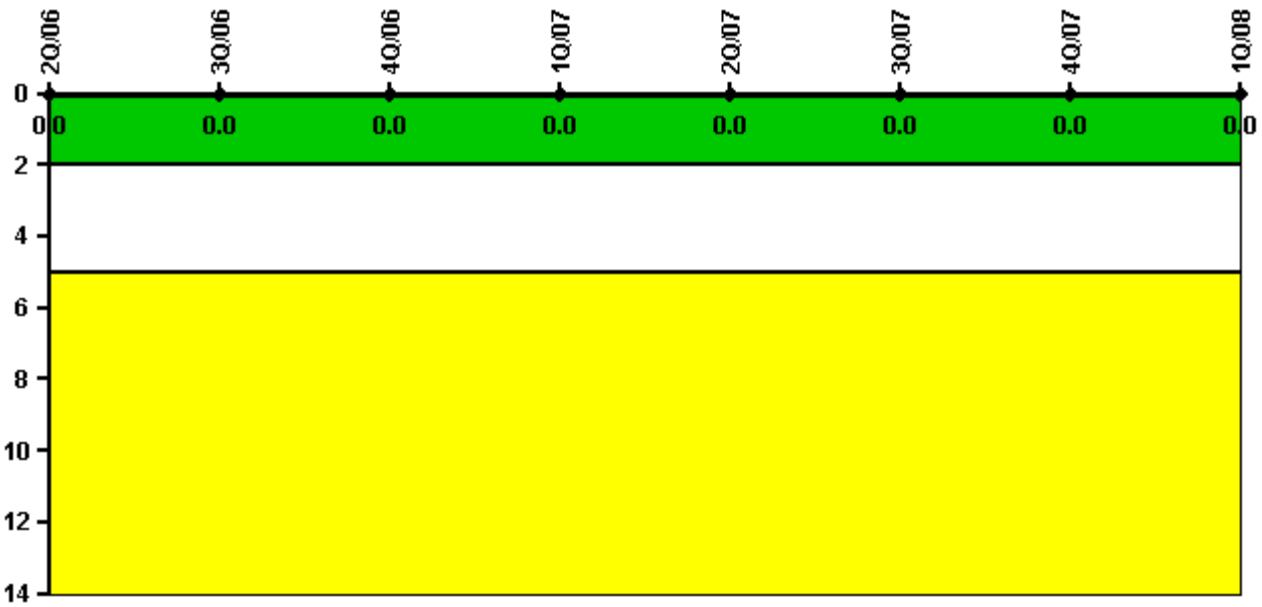
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	473	539	476	543	474	539	476	543
Total sirens-tests	476	544	476	544	476	544	476	544
Indicator value	99.4%	99.3%	99.5%	99.6%	99.6%	99.6%	99.6%	99.6%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



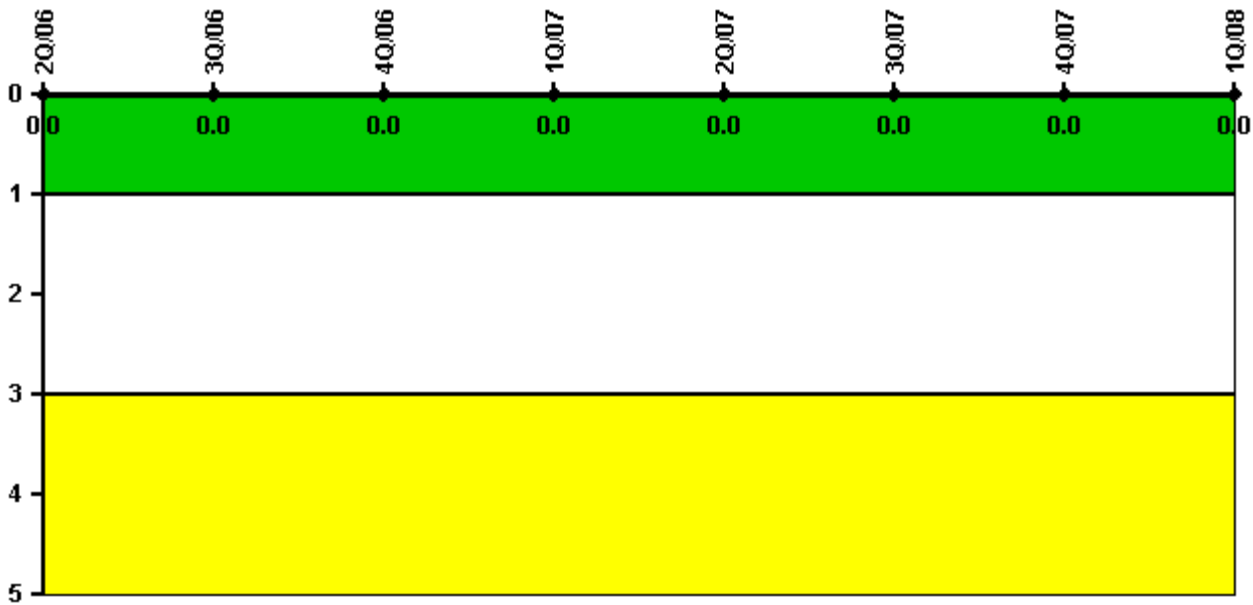
Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/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
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

# RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

## Notes

RETS/ODCM Radiological Effluent	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/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: April 30, 2008