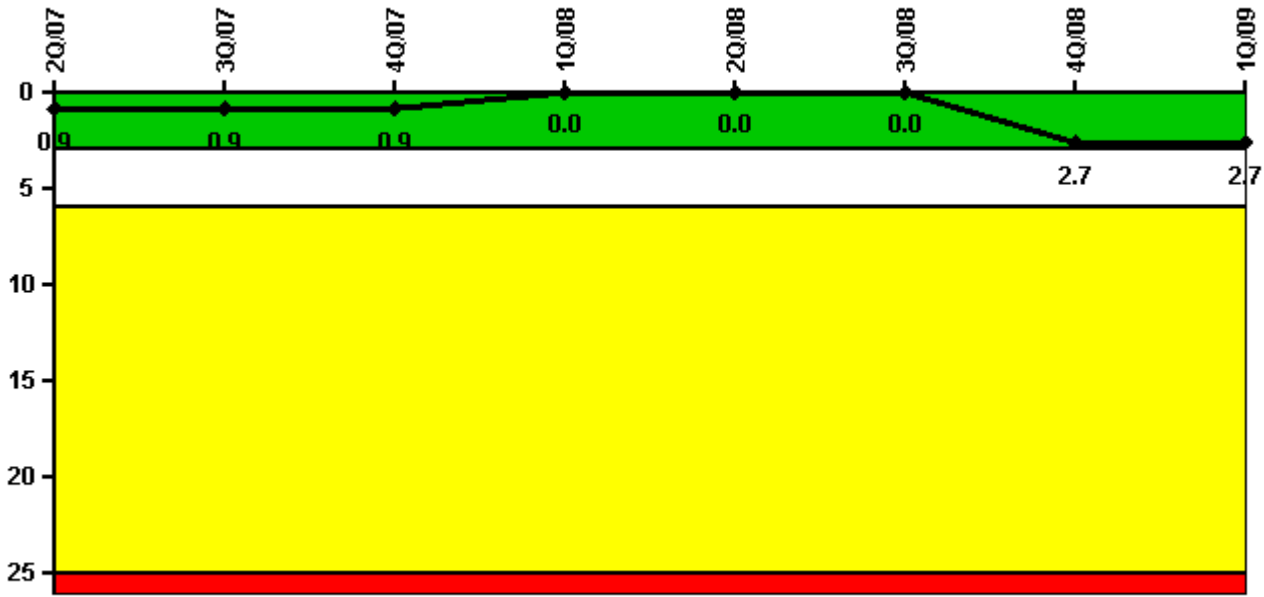


# Callaway

## 1Q/2009 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



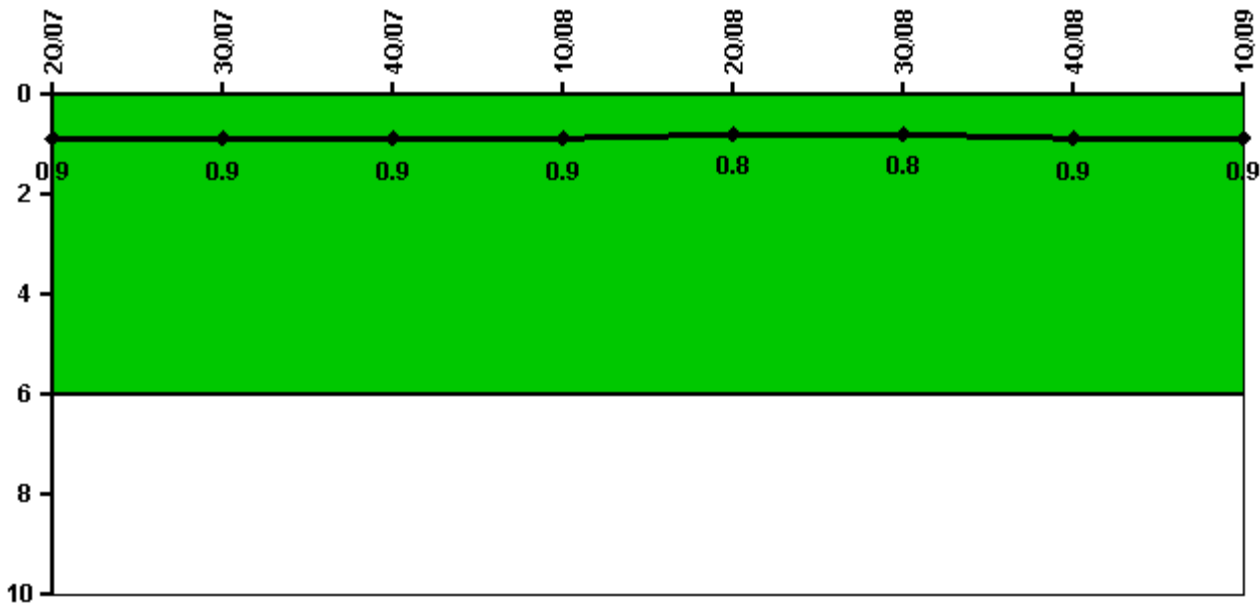
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	0	0	0	0	0	0	3.0	0
Critical hours	1314.3	2208.0	2209.0	2183.0	2184.0	2208.0	1311.6	1950.4
Indicator value	0.9	0.9	0.9	0	0	0	2.7	2.7

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



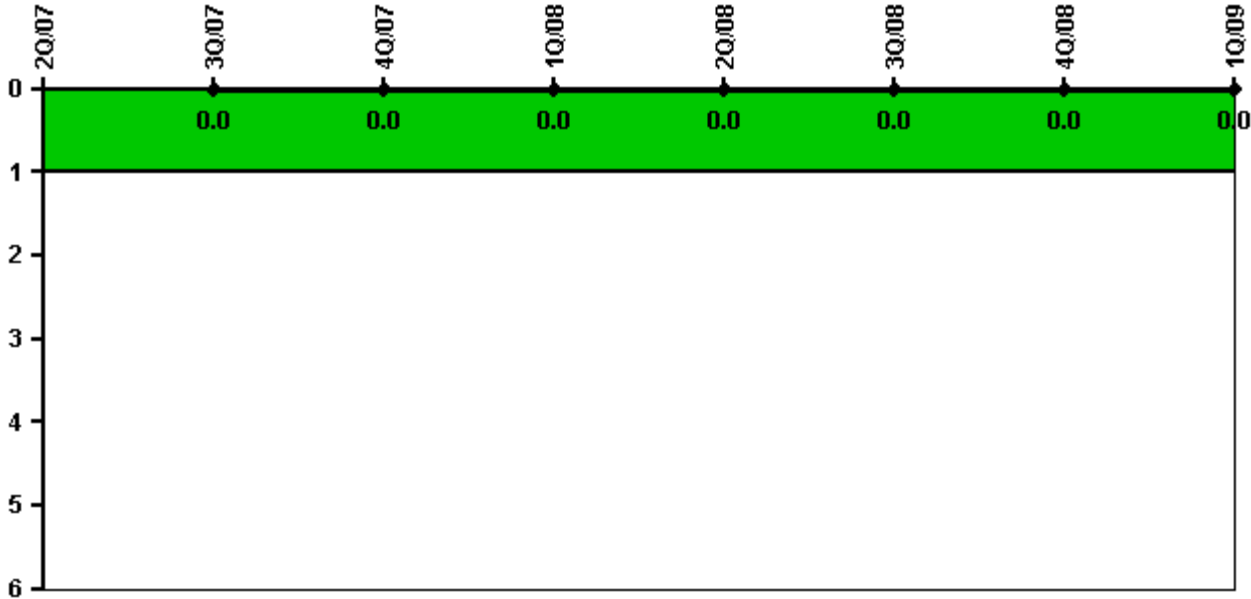
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	0	1.0	0	0	0	1.0
Critical hours	1314.3	2208.0	2209.0	2183.0	2184.0	2208.0	1311.6	1950.4
Indicator value	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9

Licensee Comments: none

# Unplanned Scrams with Complications



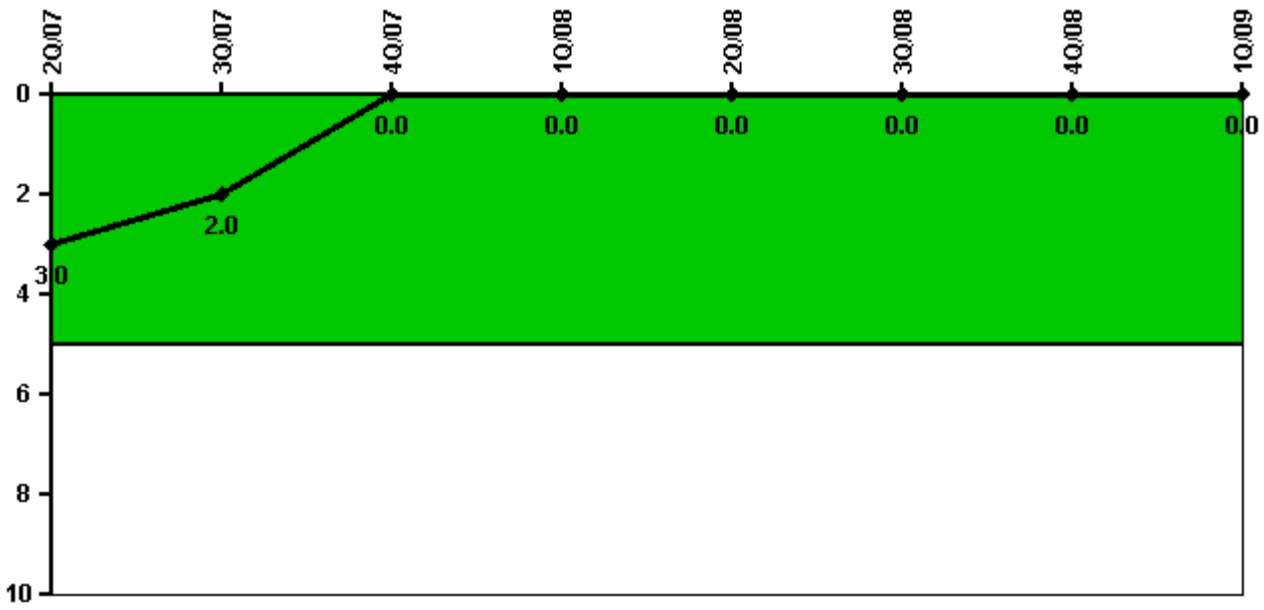
Thresholds: White > 1.0

**Notes**

Unplanned Scrams with Complications	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value		0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

## Safety System Functional Failures (PWR)



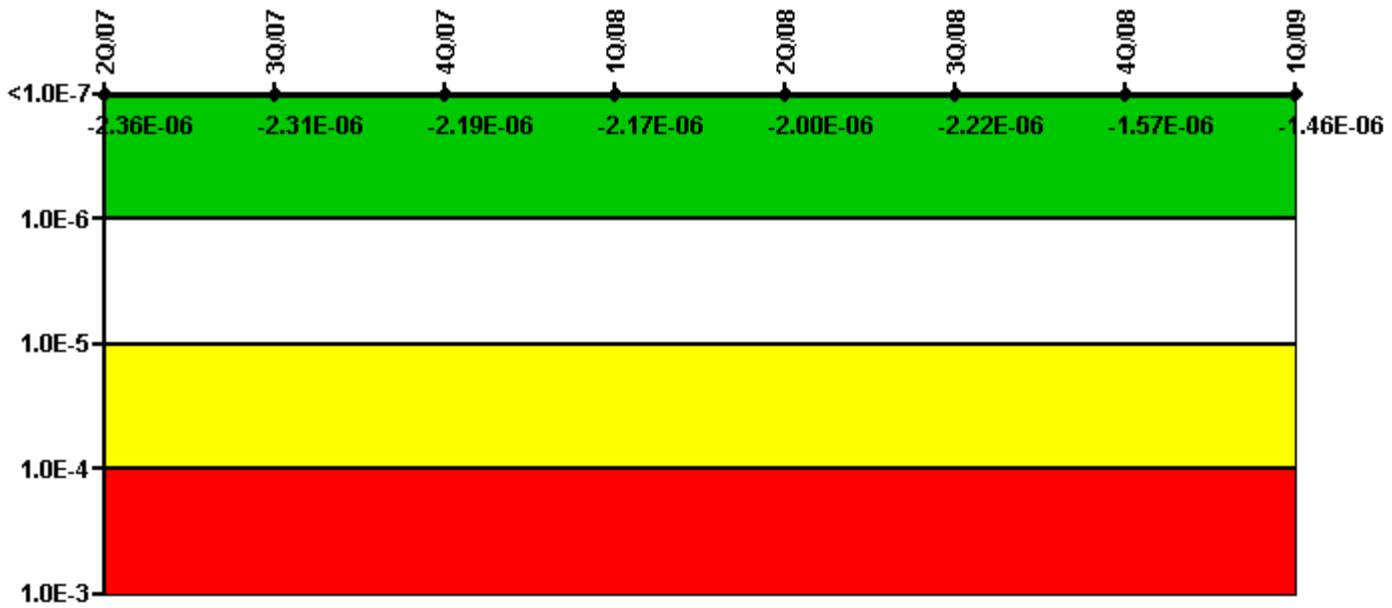
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	3	2	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

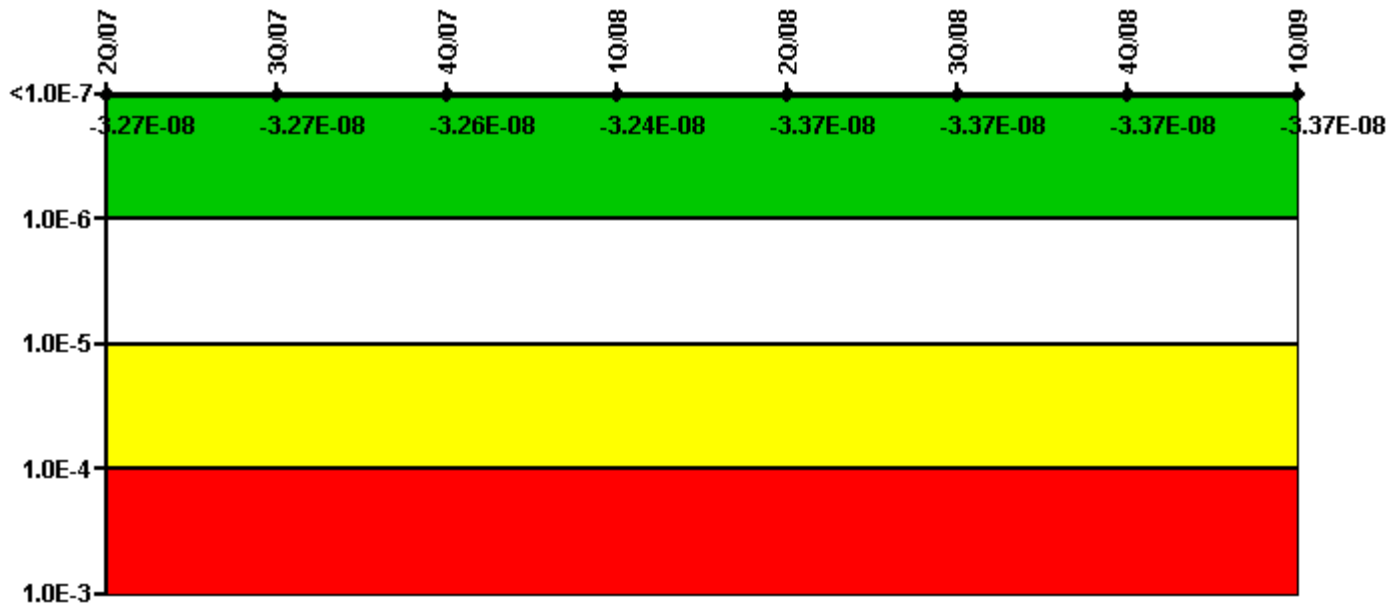
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI ( $\Delta$ CDF)	3.40E-07	3.90E-07	5.10E-07	5.30E-07	7.00E-07	4.80E-07	6.30E-07	7.40E-07
URI ( $\Delta$ CDF)	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.20E-06	-2.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.36E-06	-2.31E-06	-2.19E-06	-2.17E-06	-2.00E-06	-2.22E-06	-1.57E-06	-1.46E-06

Licensee Comments:

1Q/09: Risk Cap Invoked.

# Mitigating Systems Performance Index, High Pressure Injection System



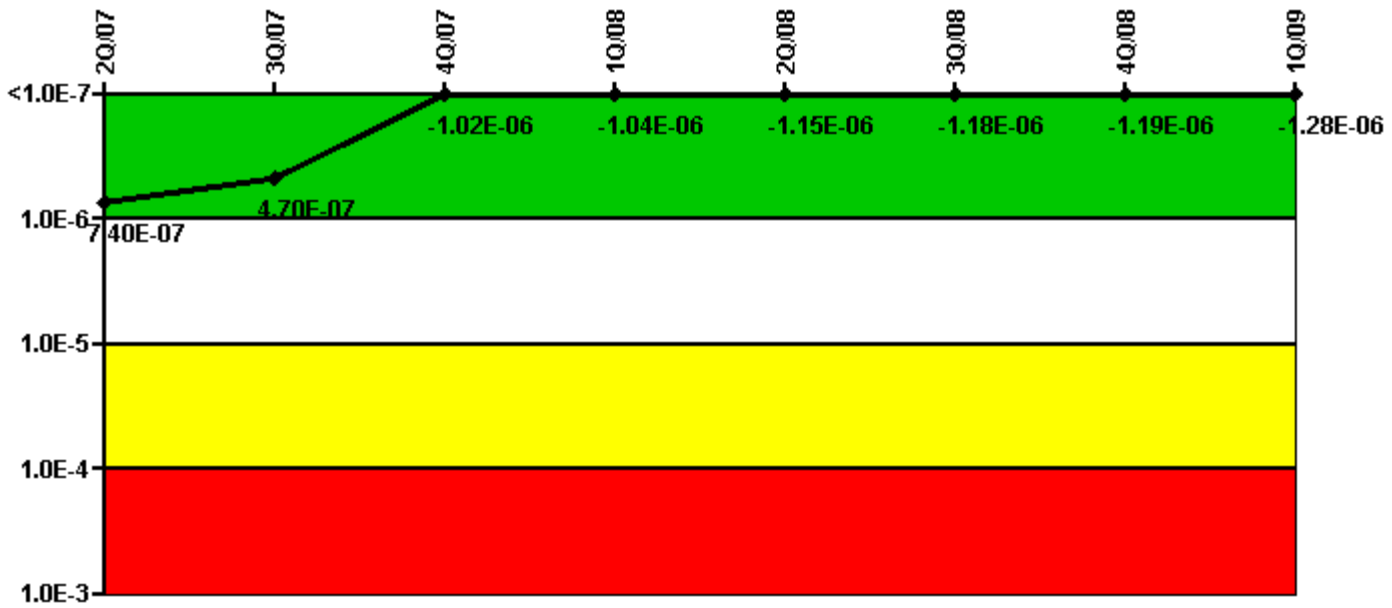
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-4.70E-09	-4.70E-09	-4.60E-09	-4.40E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09
URI (ΔCDF)	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.90E-08	-2.90E-08	-2.90E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.27E-08	-3.27E-08	-3.26E-08	-3.24E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



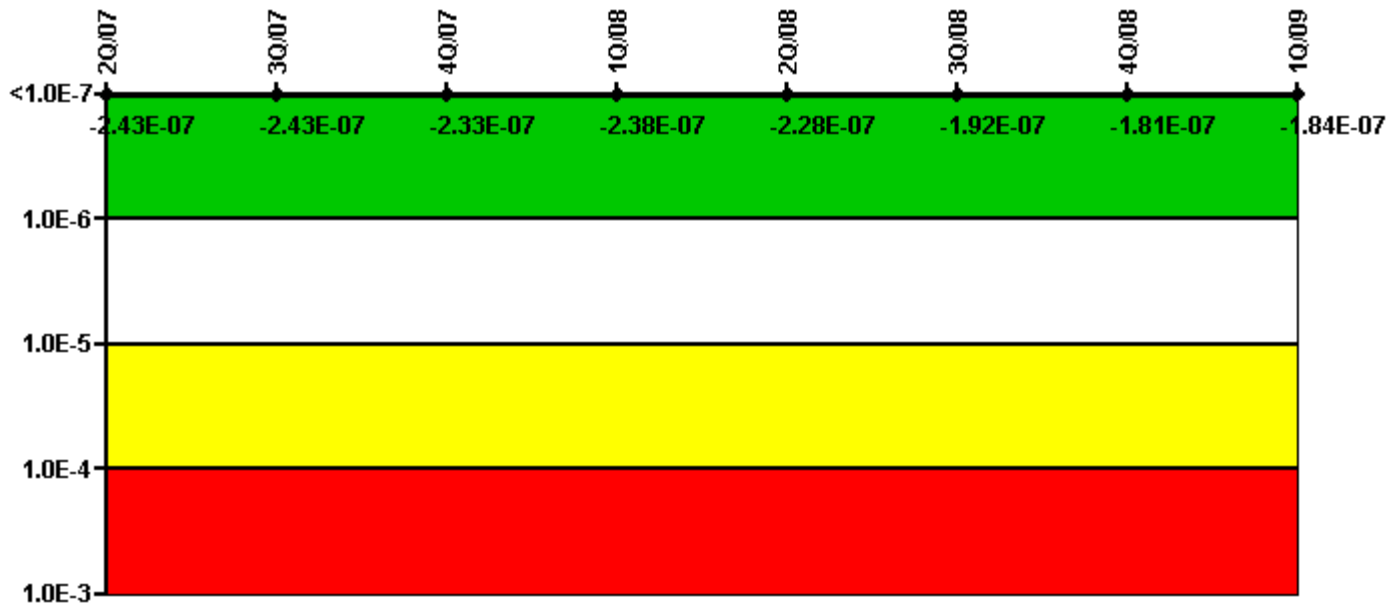
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI ( $\Delta$ CDF)	4.10E-07	1.70E-07	-1.90E-08	6.00E-08	-5.00E-08	-8.40E-08	-8.50E-08	-8.00E-08
URI ( $\Delta$ CDF)	3.30E-07	3.00E-07	-1.00E-06	-1.10E-06	-1.10E-06	-1.10E-06	-1.10E-06	-1.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.40E-07	4.70E-07	-1.02E-06	-1.04E-06	-1.15E-06	-1.18E-06	-1.19E-06	-1.28E-06

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



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

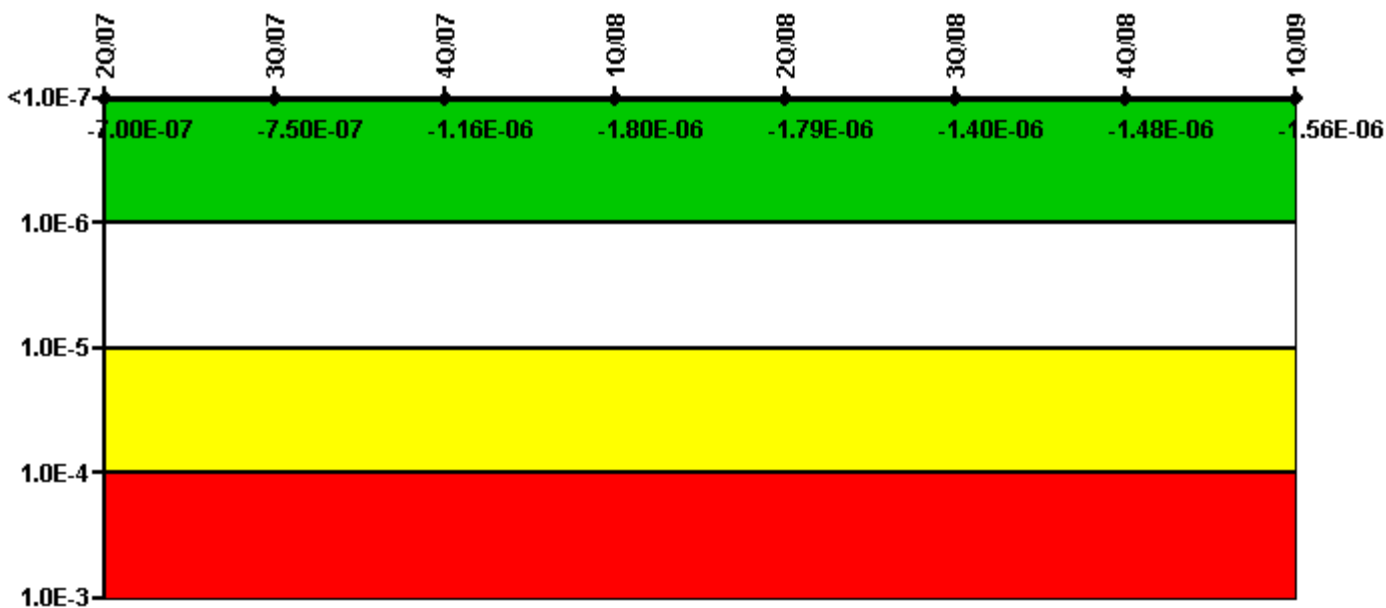
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI ( $\Delta$ CDF)	-2.30E-08	-2.30E-08	-1.30E-08	-1.80E-08	-1.80E-08	1.80E-08	2.90E-08	2.60E-08
URI ( $\Delta$ CDF)	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.43E-07	-2.43E-07	-2.33E-07	-2.38E-07	-2.28E-07	-1.92E-07	-1.81E-07	-1.84E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



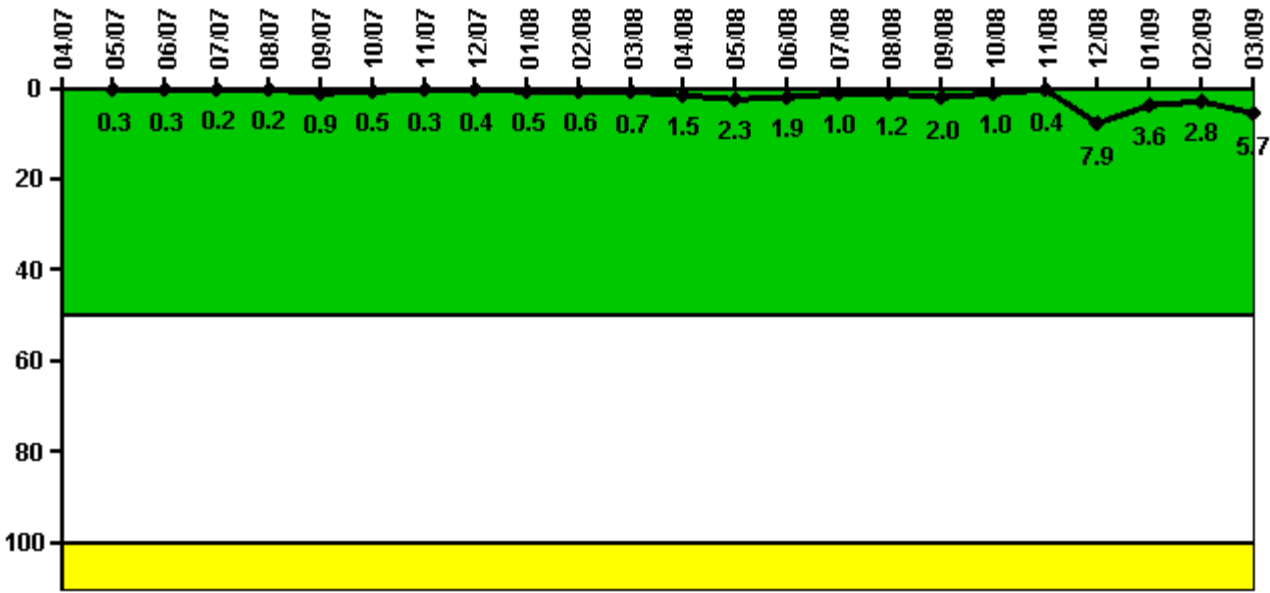
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI ( $\Delta$ CDF)	4.00E-07	3.50E-07	-6.30E-08	-6.00E-07	-5.90E-07	-2.00E-07	-2.80E-07	-3.60E-07
URI ( $\Delta$ CDF)	-1.10E-06	-1.10E-06	-1.10E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.00E-07	-7.50E-07	-1.16E-06	-1.80E-06	-1.79E-06	-1.40E-06	-1.48E-06	-1.56E-06

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

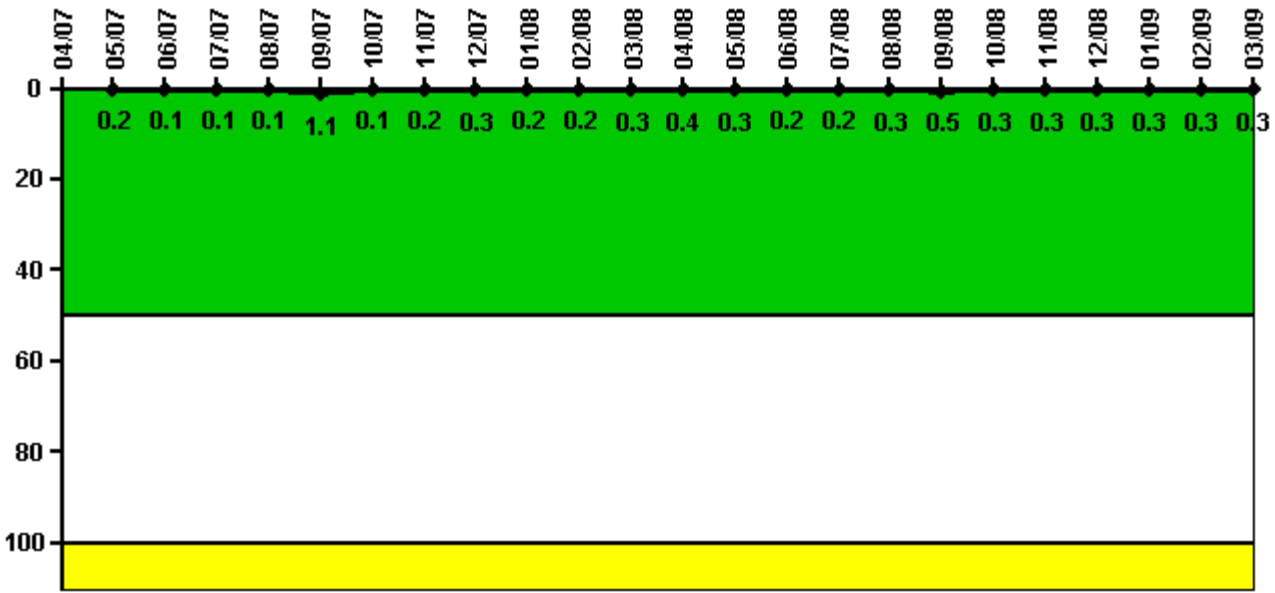
Reactor Coolant System Activity	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum activity	N/A	0.002530	0.002730	0.002440	0.002240	0.008790	0.005370	0.003410	0.004370	0.005010	0.005510	0.006980
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	N/A	0.3	0.3	0.2	0.2	0.9	0.5	0.3	0.4	0.5	0.6	0.7

Reactor Coolant System Activity	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum activity	0.014900	0.022600	0.018500	0.009950	0.012100	0.020400	0.010400	0.003600	0.078600	0.035500	0.027900	0.056800
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	1.5	2.3	1.9	1.0	1.2	2.0	1.0	0.4	7.9	3.6	2.8	5.7

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

### Notes

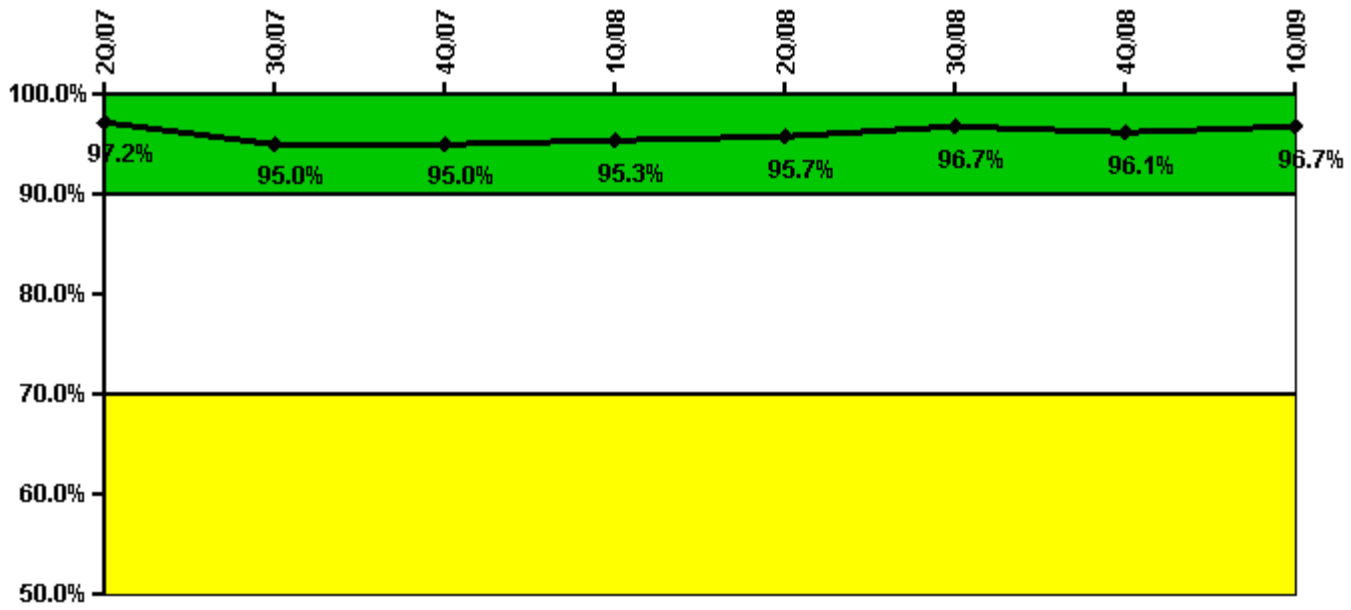
Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	N/A	0.016	0.013	0.013	0.013	0.105	0.007	0.018	0.025	0.019	0.021	0.027
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	N/A	0.2	0.1	0.1	0.1	1.1	0.1	0.2	0.3	0.2	0.2	0.3

Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	0.036	0.028	0.019	0.015	0.030	0.048	0.026	0.033	0.033	0.026	0.031	0.026
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	0.4	0.3	0.2	0.2	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3

Licensee Comments: none

## Drill/Exercise Performance



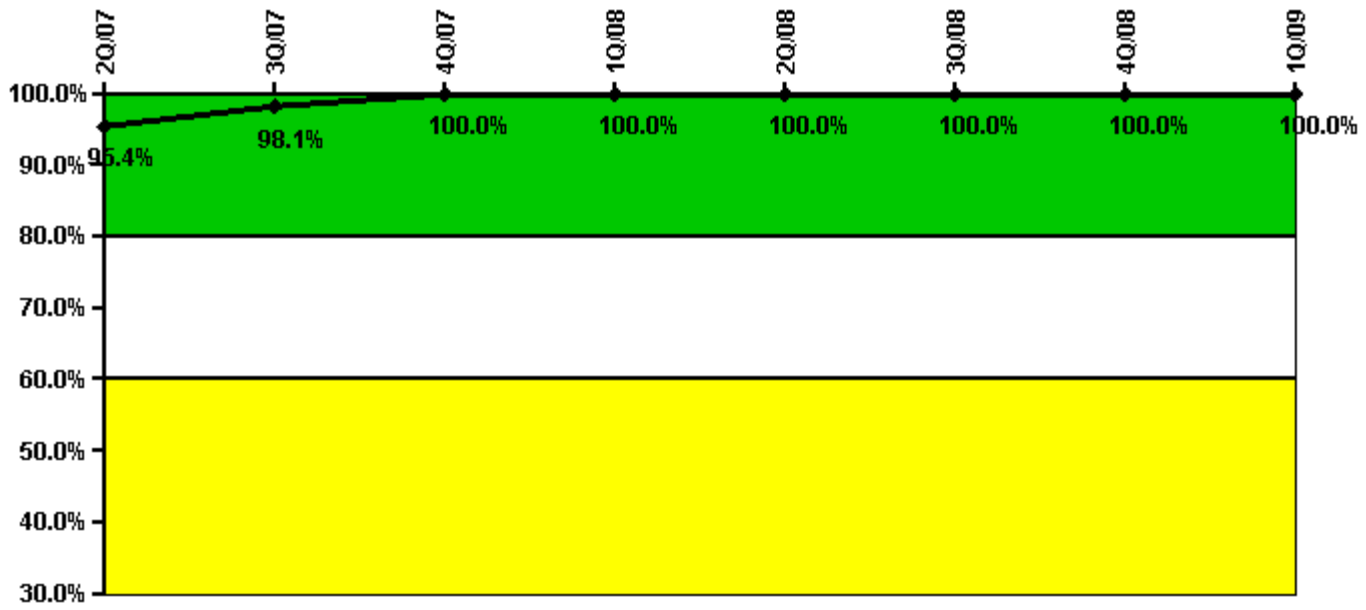
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	14.0	46.0	17.0	52.0	64.0	20.0	18.0	58.0
Total opportunities	14.0	51.0	18.0	52.0	66.0	20.0	20.0	58.0
Indicator value	97.2%	95.0%	95.0%	95.3%	95.7%	96.7%	96.1%	96.7%

Licensee Comments: none

## ERO Drill Participation



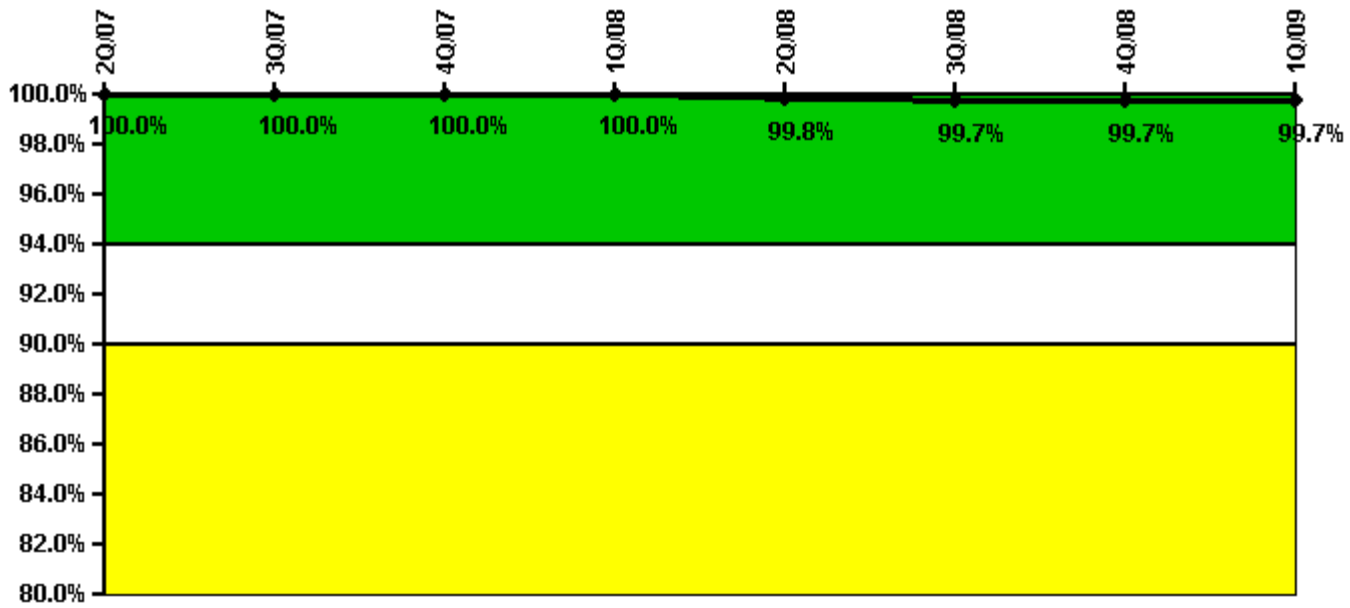
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	103.0	102.0	107.0	100.0	112.0	103.0	100.0	100.0
Total Key personnel	108.0	104.0	107.0	100.0	112.0	103.0	100.0	100.0
Indicator value	95.4%	98.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

## Alert & Notification System



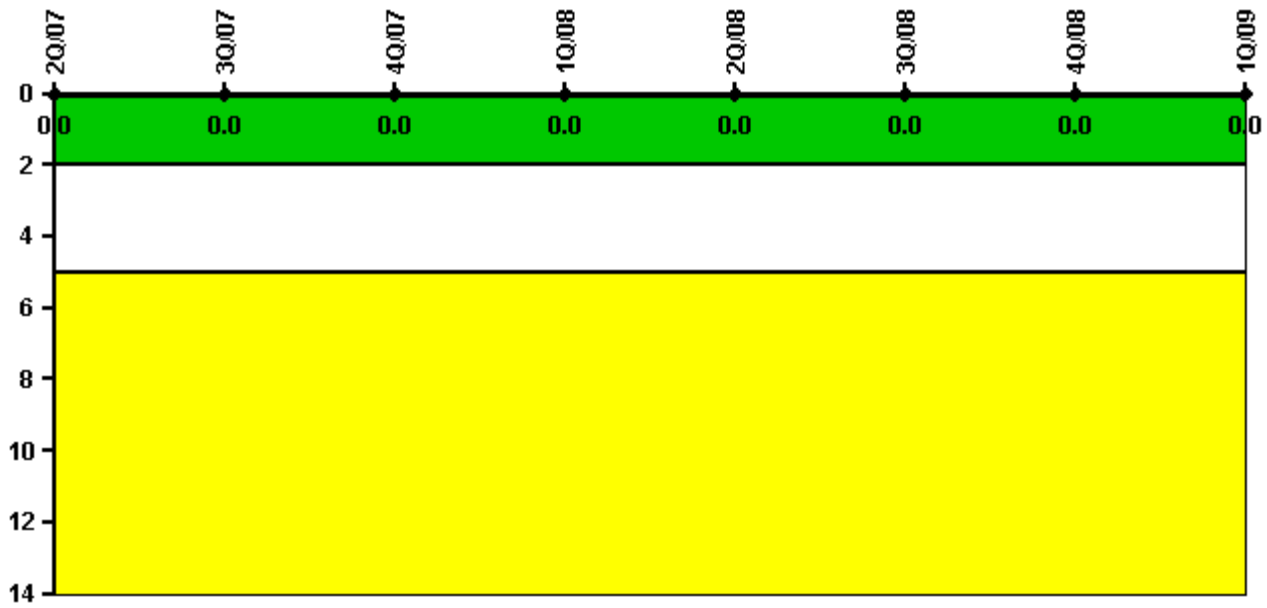
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	377	377	377	377	374	405	377	377
Total sirens-tests	377	377	377	377	377	406	377	377
Indicator value	100.0%	100.0%	100.0%	100.0%	99.8%	99.7%	99.7%	99.7%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



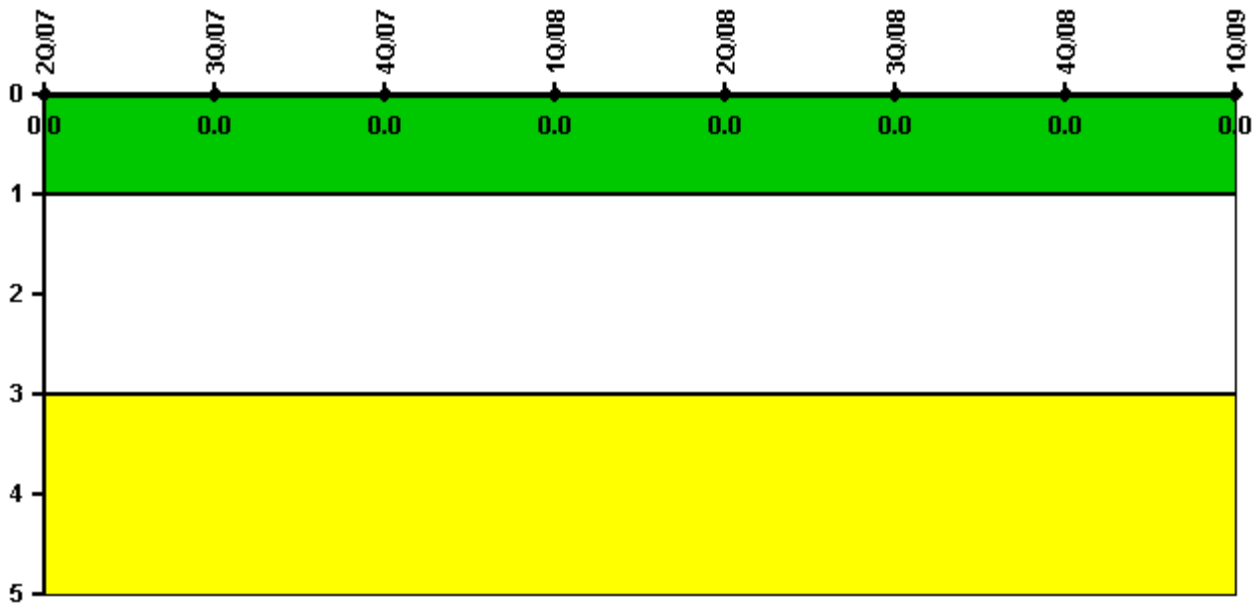
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
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.