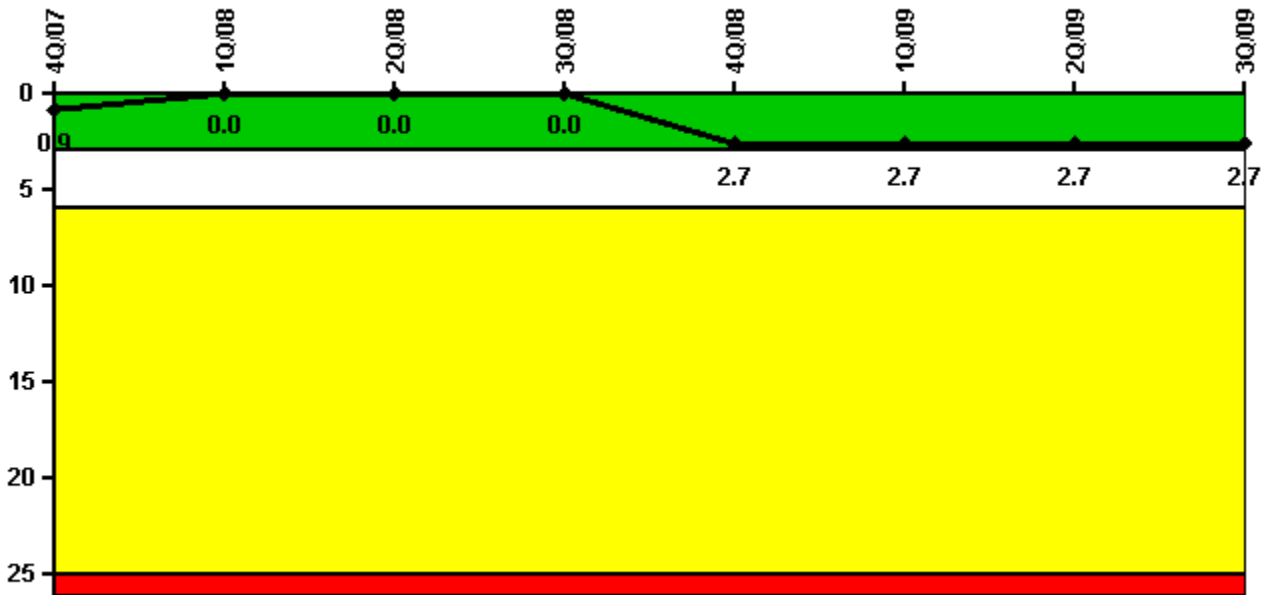


# Callaway

## 3Q/2009 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



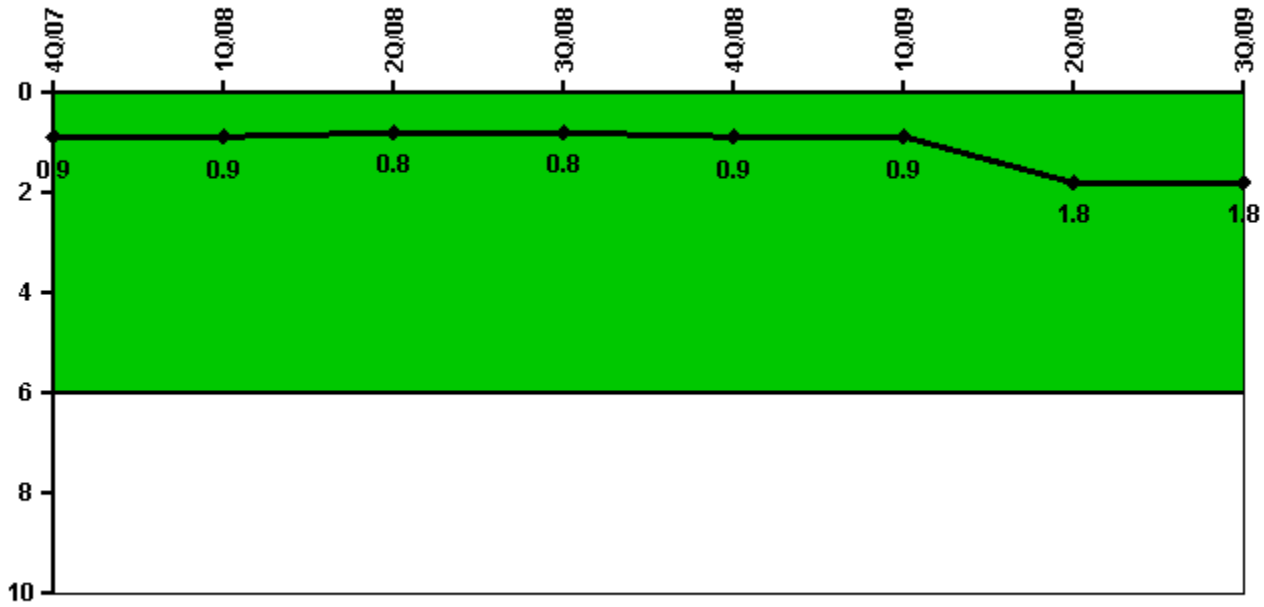
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

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

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



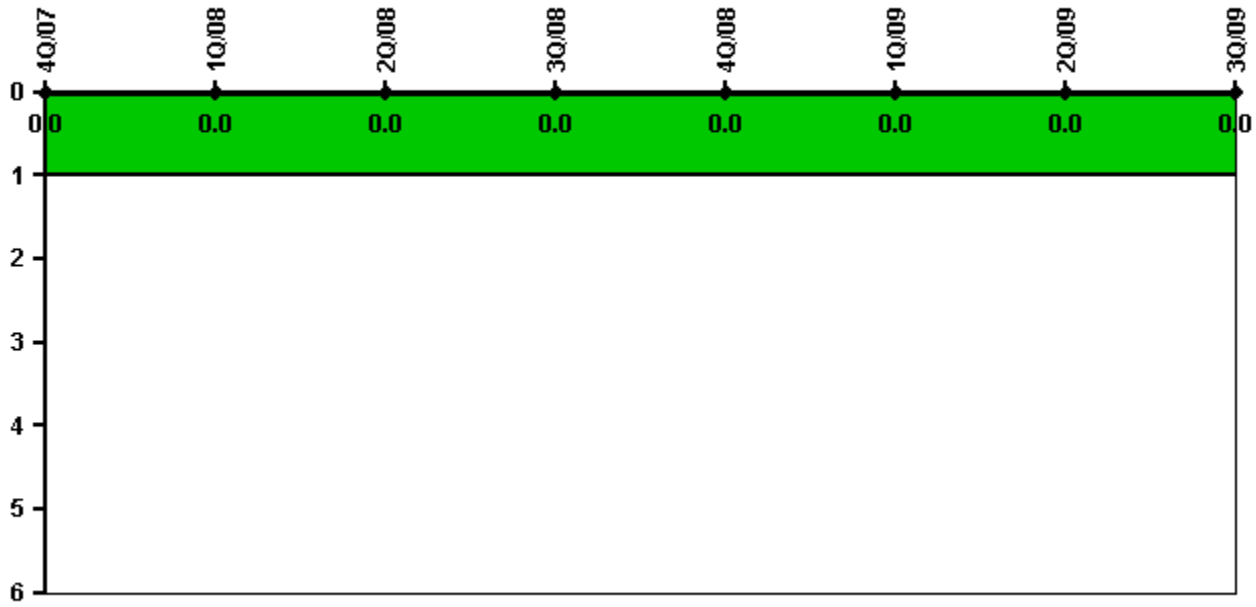
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	1.0	0	0	0	1.0	1.0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	1311.6	1950.4	2184.0	2208.0
Indicator value	0.9	0.9	0.8	0.8	0.9	0.9	1.8	1.8

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

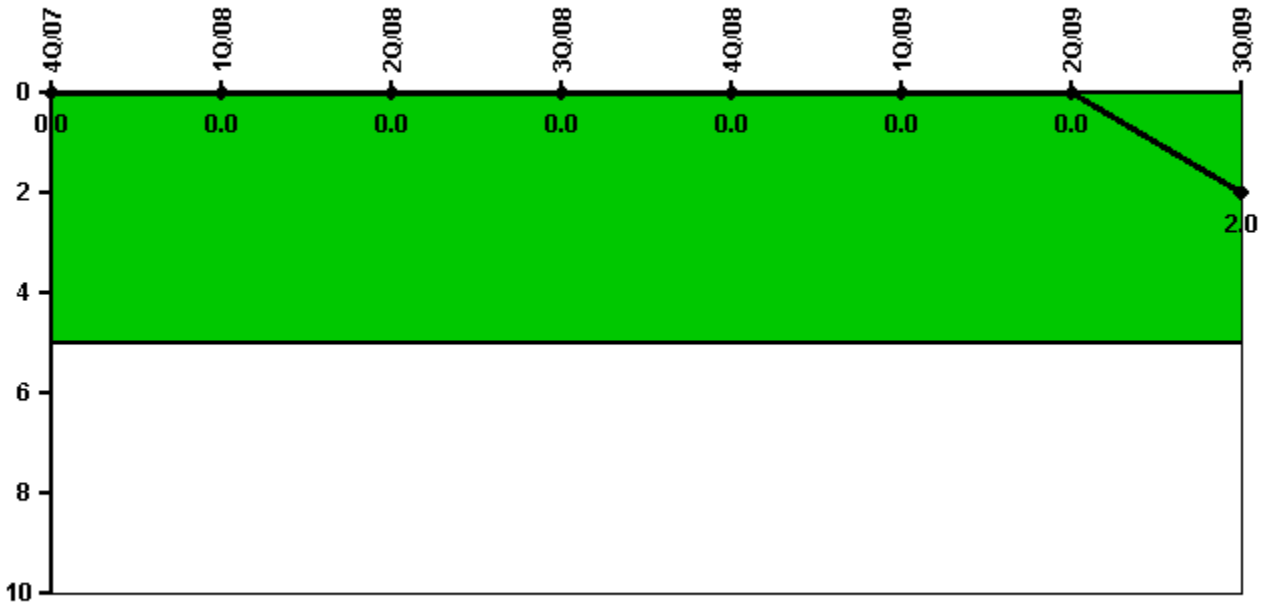
### Notes

Unplanned Scrams with Complications	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/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	0.0

Licensee Comments: none

---

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

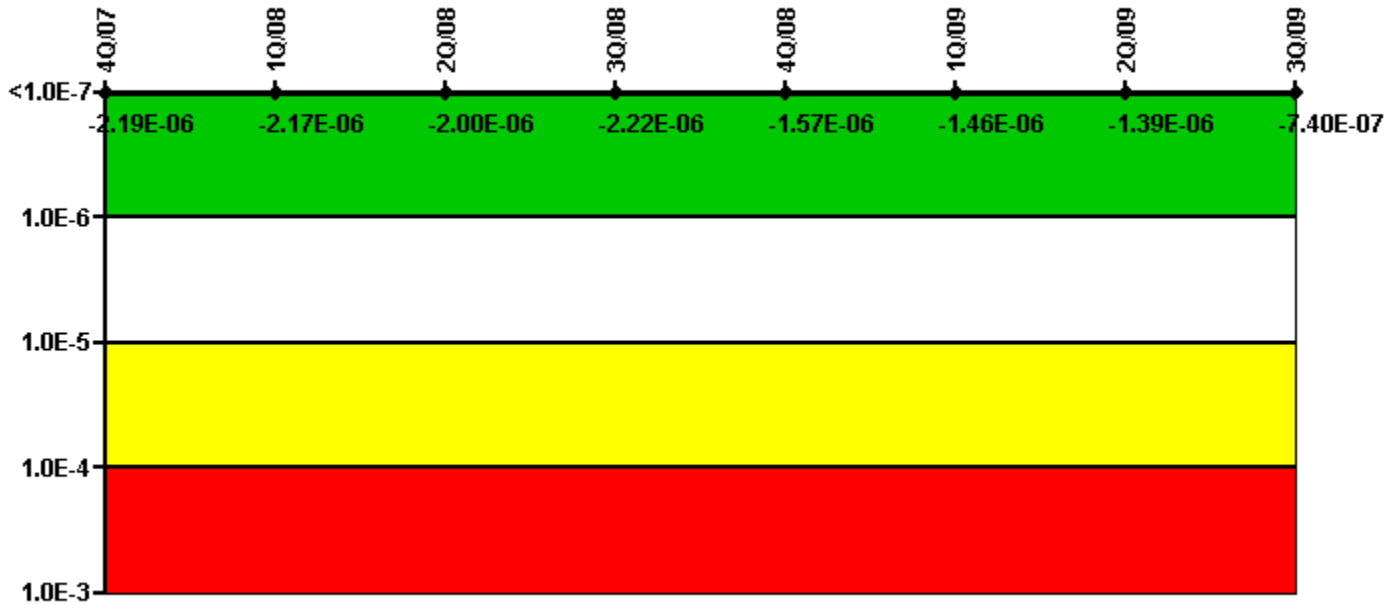
### Notes

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

Licensee Comments:

3Q/09: LERs: 2009-002-00, TDAFP Failed to Start During Surveillance Test and 2008-001-01, Containment Cooler Inoperability

# 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/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	5.10E-07	5.30E-07	7.00E-07	4.80E-07	6.30E-07	7.40E-07	8.10E-07	9.60E-07
URI ( $\Delta$ CDF)	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.20E-06	-2.20E-06	-2.20E-06	-1.70E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.19E-06	-2.17E-06	-2.00E-06	-2.22E-06	-1.57E-06	-1.46E-06	-1.39E-06	-7.40E-07

Licensee Comments:

3Q/09: Risk Cap Invoked.

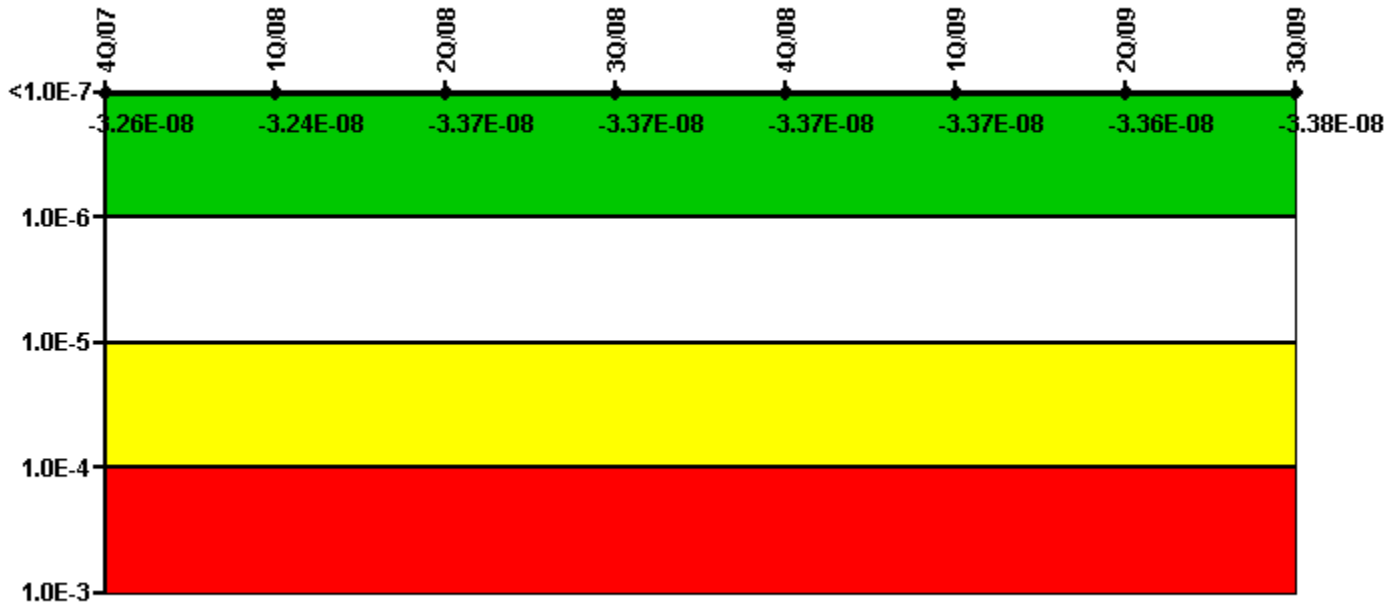
2Q/09: Risk Cap Invoked.

1Q/09: Risk Cap Invoked.

4Q/08: Risk Cap Invoked. Re-evaluated decision to recind diesel generator MSPI run time failure from December 2008. Callaway has determined that the failure was a run time failure and will report it as such to the NRC. The failure has been re-entered into CDE data.

4Q/08: Re-evaluated and rescinded potential diesel generator MSPI run time failure from December 2008.

# Mitigating Systems Performance Index, High Pressure Injection System



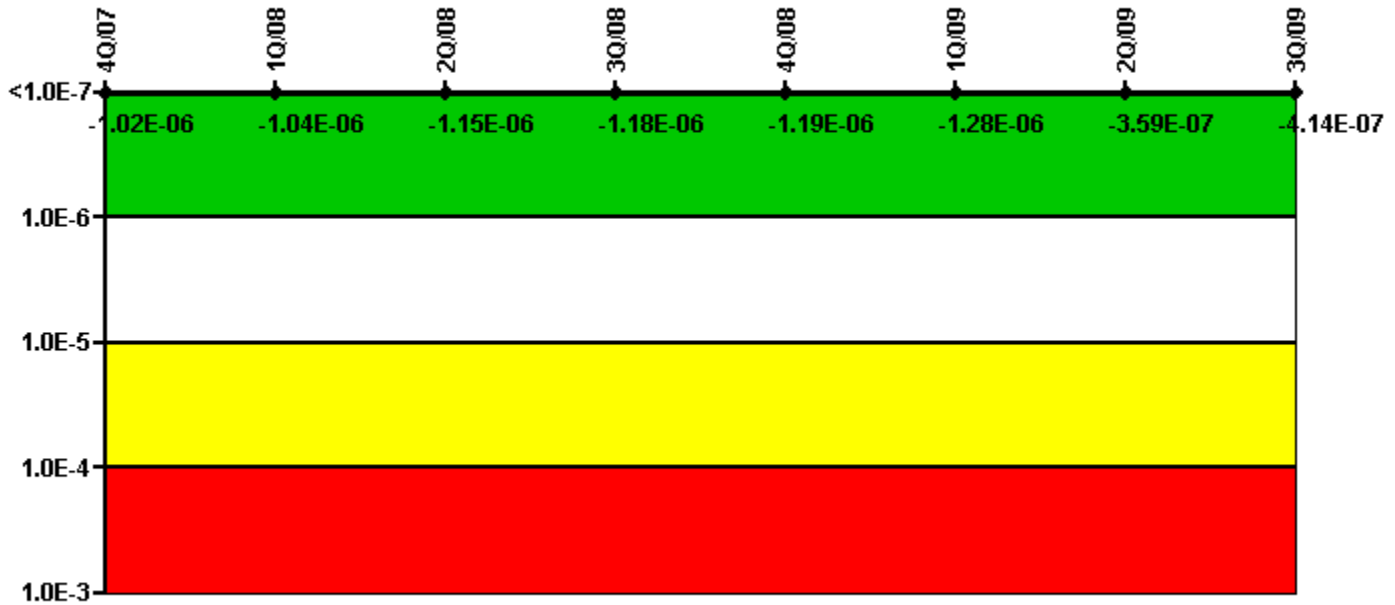
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	-4.60E-09	-4.40E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.60E-09	-4.80E-09
URI ( $\Delta$ CDF)	-2.80E-08	-2.80E-08	-2.90E-08	-2.90E-08	-2.90E-08	-2.90E-08	-2.90E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.26E-08	-3.24E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.36E-08	-3.38E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



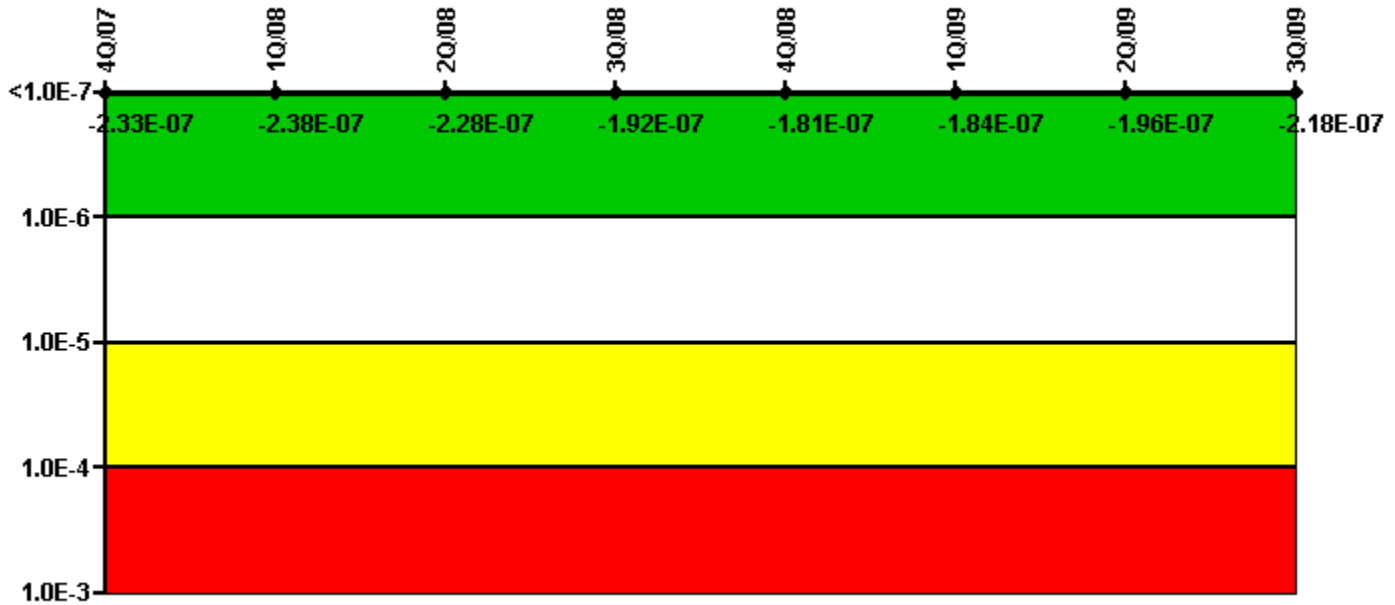
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	-1.90E-08	6.00E-08	-5.00E-08	-8.40E-08	-8.50E-08	-8.00E-08	-2.90E-08	-3.40E-08
URI ( $\Delta$ CDF)	-1.00E-06	-1.10E-06	-1.10E-06	-1.10E-06	-1.10E-06	-1.20E-06	-3.30E-07	-3.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.02E-06	-1.04E-06	-1.15E-06	-1.18E-06	-1.19E-06	-1.28E-06	-3.59E-07	-4.14E-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

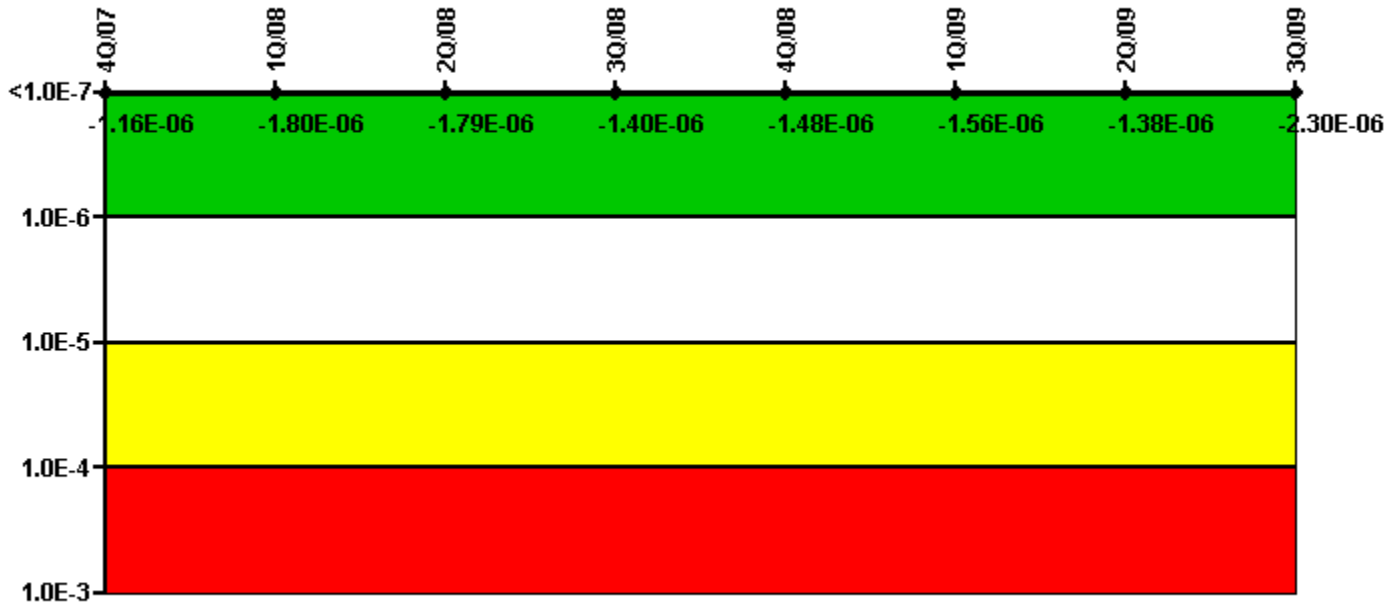
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	-1.30E-08	-1.80E-08	-1.80E-08	1.80E-08	2.90E-08	2.60E-08	1.40E-08	-7.50E-09
URI ( $\Delta$ CDF)	-2.20E-07	-2.20E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.33E-07	-2.38E-07	-2.28E-07	-1.92E-07	-1.81E-07	-1.84E-07	-1.96E-07	-2.18E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



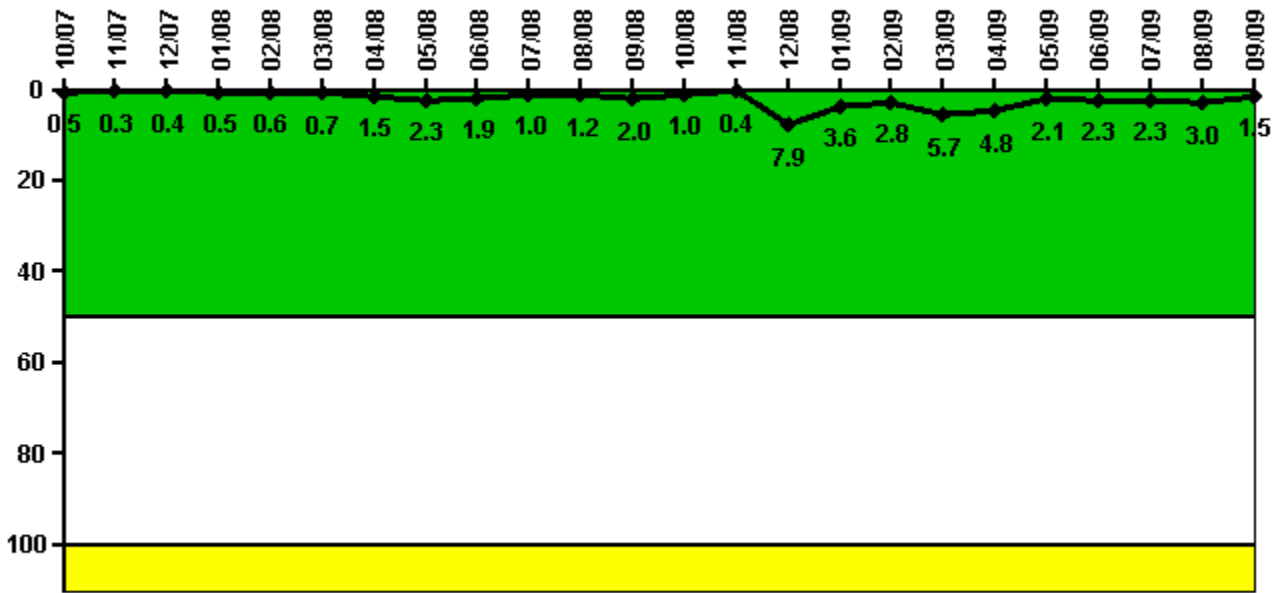
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	-6.30E-08	-6.00E-07	-5.90E-07	-2.00E-07	-2.80E-07	-3.60E-07	-1.80E-07	-1.10E-06
URI ( $\Delta$ CDF)	-1.10E-06	-1.20E-06	-1.20E-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	-1.16E-06	-1.80E-06	-1.79E-06	-1.40E-06	-1.48E-06	-1.56E-06	-1.38E-06	-2.30E-06

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

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	0.005370	0.003410	0.004370	0.005010	0.005510	0.006980	0.014900	0.022600	0.018500	0.009950	0.012100	0.020400
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	0.5	0.3	0.4	0.5	0.6	0.7	1.5	2.3	1.9	1.0	1.2	2.0
Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	0.010400	0.003600	0.078600	0.035500	0.027900	0.056800	0.048000	0.020600	0.022500	0.023000	0.030000	0.015000
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	1.0	0.4	7.9	3.6	2.8	5.7	4.8	2.1	2.3	2.3	3.0	1.5

Licensee Comments: none

## Reactor Coolant System Leakage



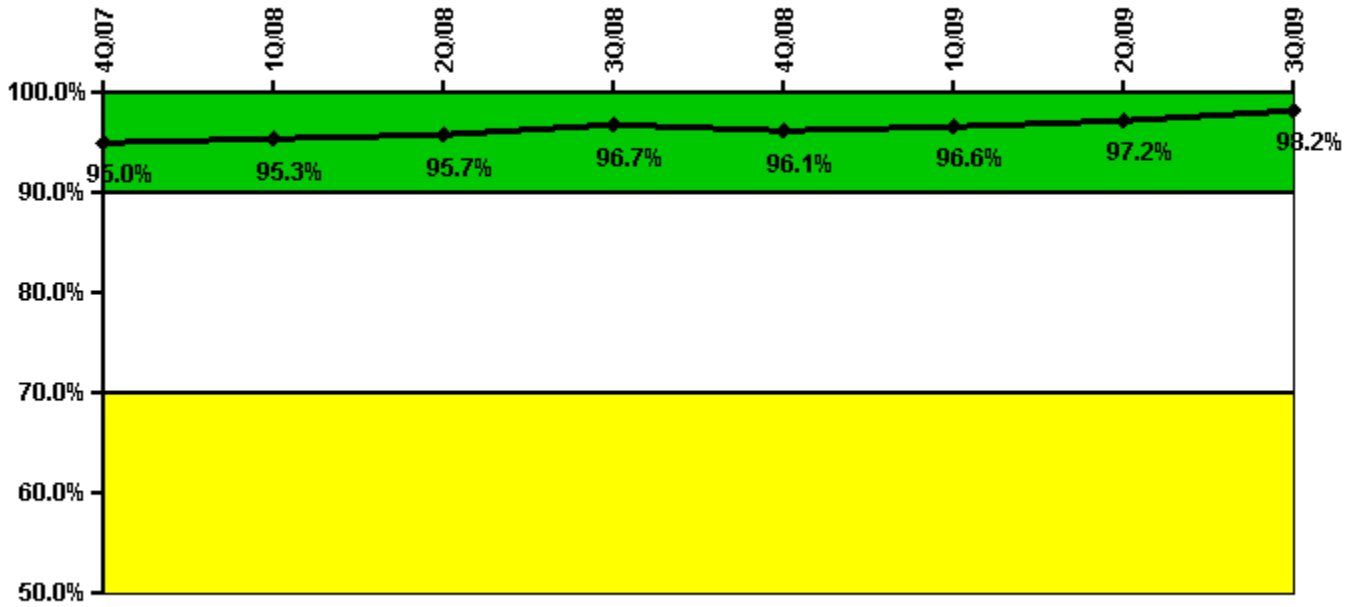
Thresholds: White > 50.0 Yellow > 100.0

### Notes

<b>Reactor Coolant System Leakage</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>	<b>7/08</b>	<b>8/08</b>	<b>9/08</b>
Maximum leakage	0.007	0.018	0.025	0.019	0.021	0.027	0.036	0.028	0.019	0.015	0.030	0.048
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	0.1	0.2	0.3	0.2	0.2	0.3	0.4	0.3	0.2	0.2	0.3	0.5
<b>Reactor Coolant System Leakage</b>	<b>10/08</b>	<b>11/08</b>	<b>12/08</b>	<b>1/09</b>	<b>2/09</b>	<b>3/09</b>	<b>4/09</b>	<b>5/09</b>	<b>6/09</b>	<b>7/09</b>	<b>8/09</b>	<b>9/09</b>
Maximum leakage	0.026	0.033	0.033	0.026	0.031	0.026	0.025	0.032	0.024	0.034	0.031	0.023
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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2

Licensee Comments: none

## Drill/Exercise Performance



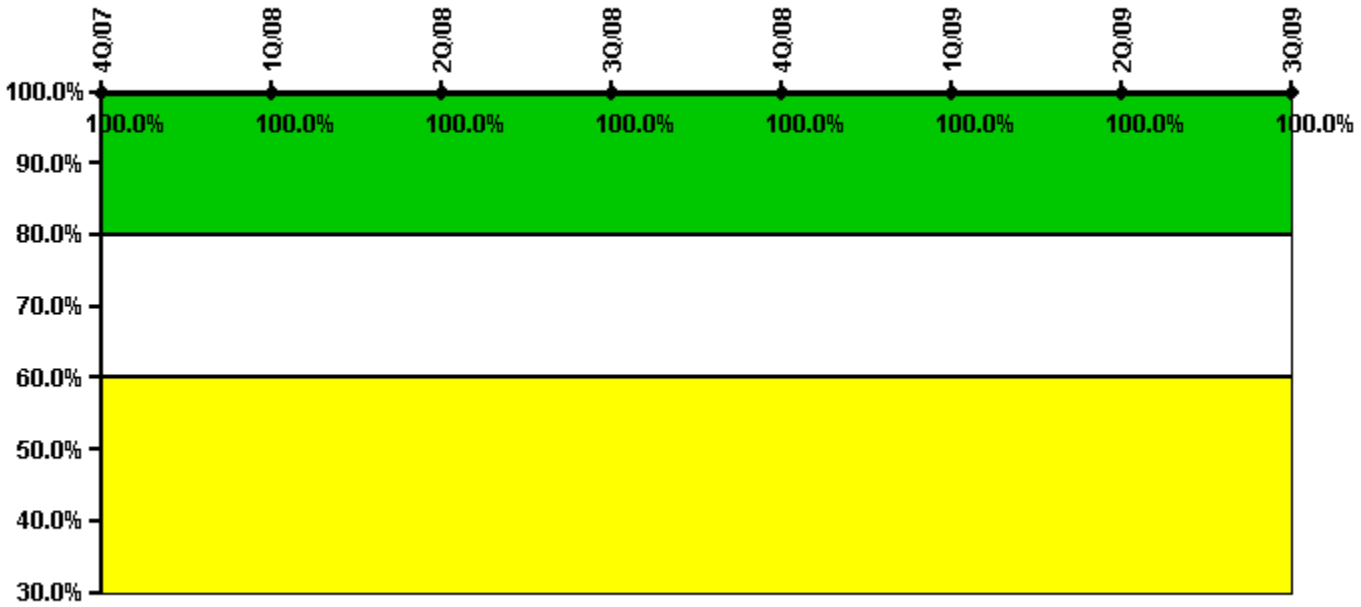
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	17.0	52.0	64.0	18.0	18.0	58.0	68.0	25.0
Total opportunities	18.0	52.0	66.0	18.0	20.0	58.0	68.0	26.0
Indicator value	95.0%	95.3%	95.7%	96.7%	96.1%	96.6%	97.2%	98.2%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

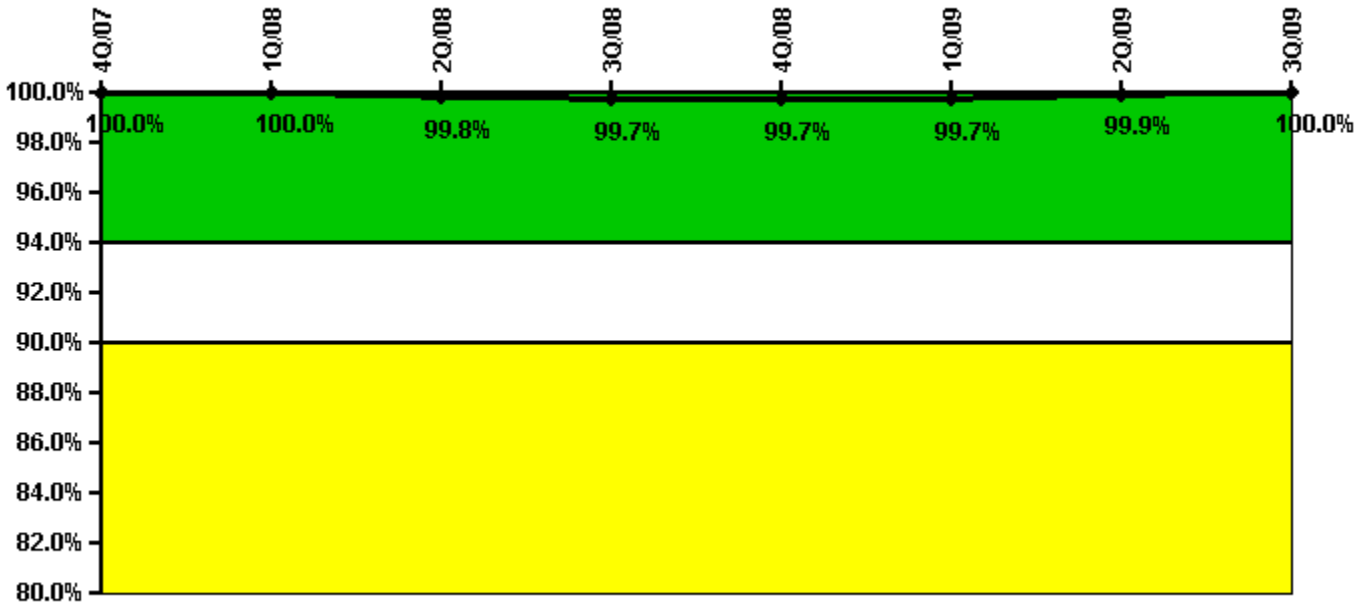
### Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	107.0	100.0	112.0	103.0	100.0	100.0	103.0	106.0
Total Key personnel	107.0	100.0	112.0	103.0	100.0	100.0	103.0	106.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

2Q/09: CAR 200908583 documents that qualification data was not entered into the training application for 2 ERO members resulting in them not being given credit for this PI originally during this quarter. This revision does not change the percentage of the participation PI.

# Alert & Notification System



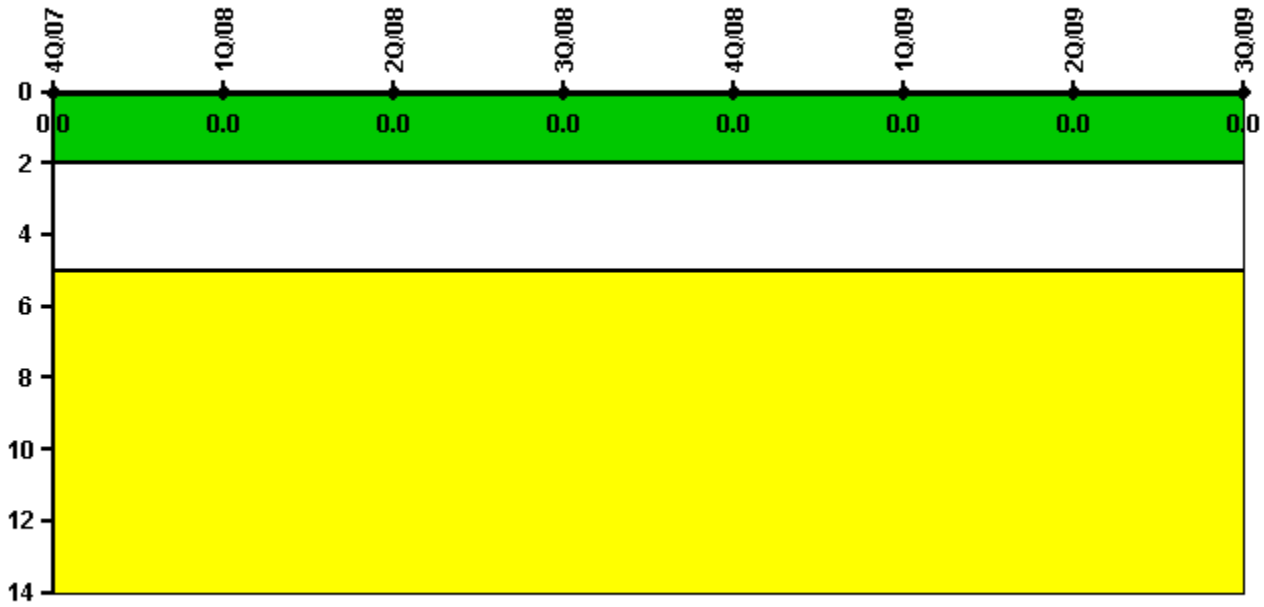
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	377	377	374	405	377	377	377	377
Total sirens-tests	377	377	377	406	377	377	377	377
Indicator value	100.0%	100.0%	99.8%	99.7%	99.7%	99.7%	99.9%	100.0%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



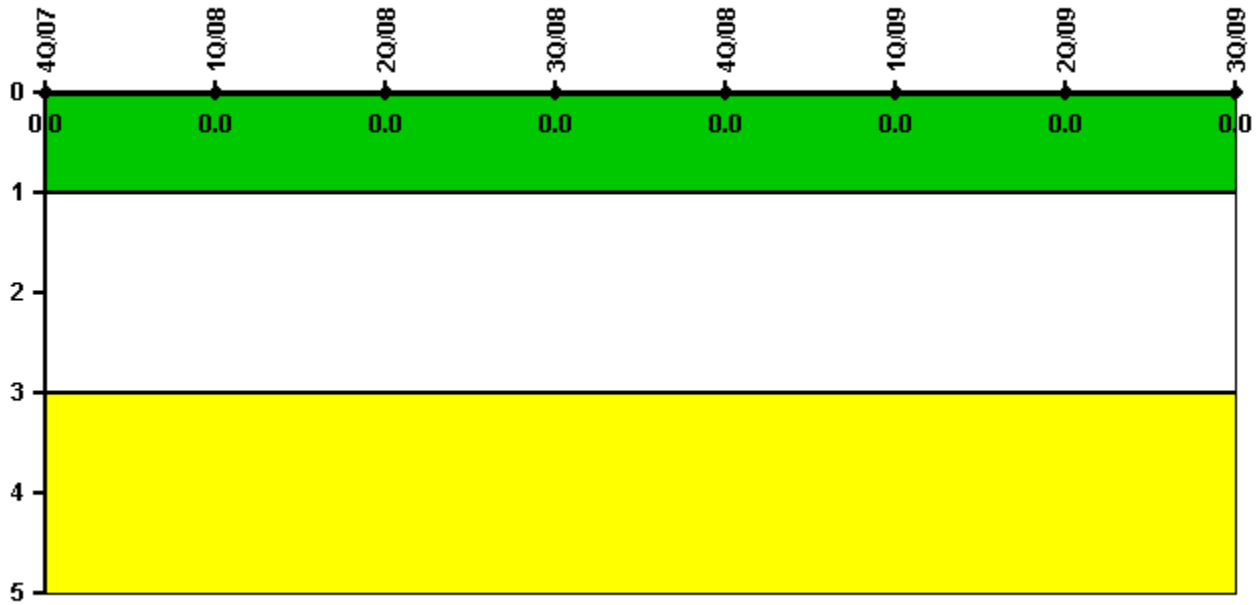
Thresholds: White > 2.0 Yellow > 5.0

## Notes

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