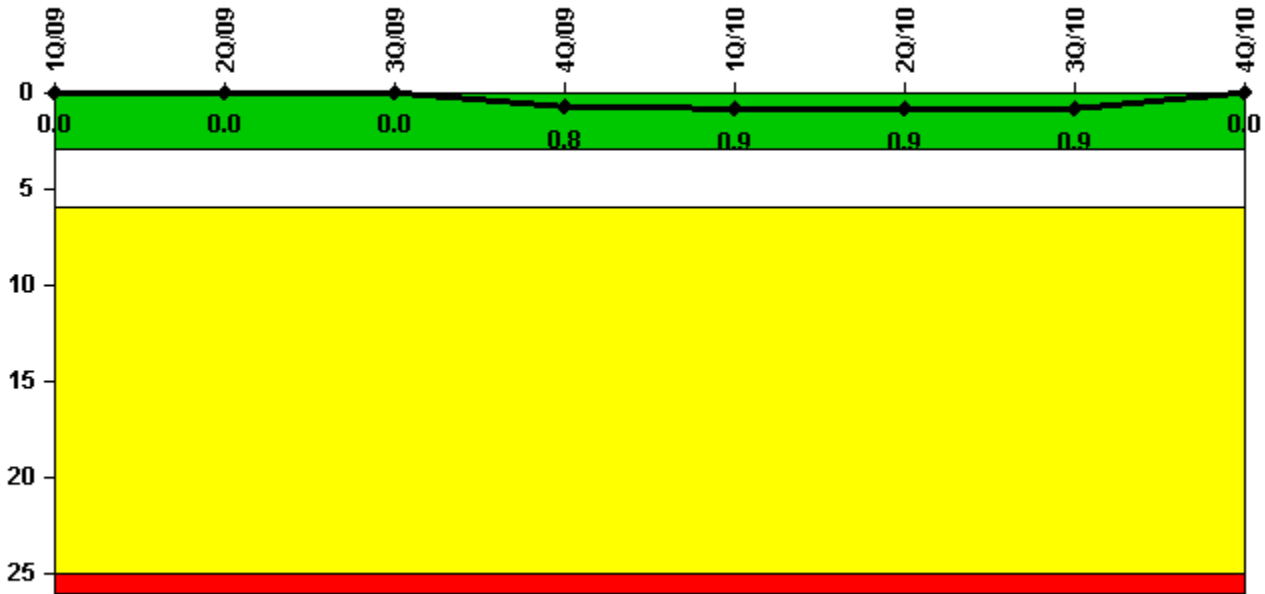


# Clinton

## 4Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



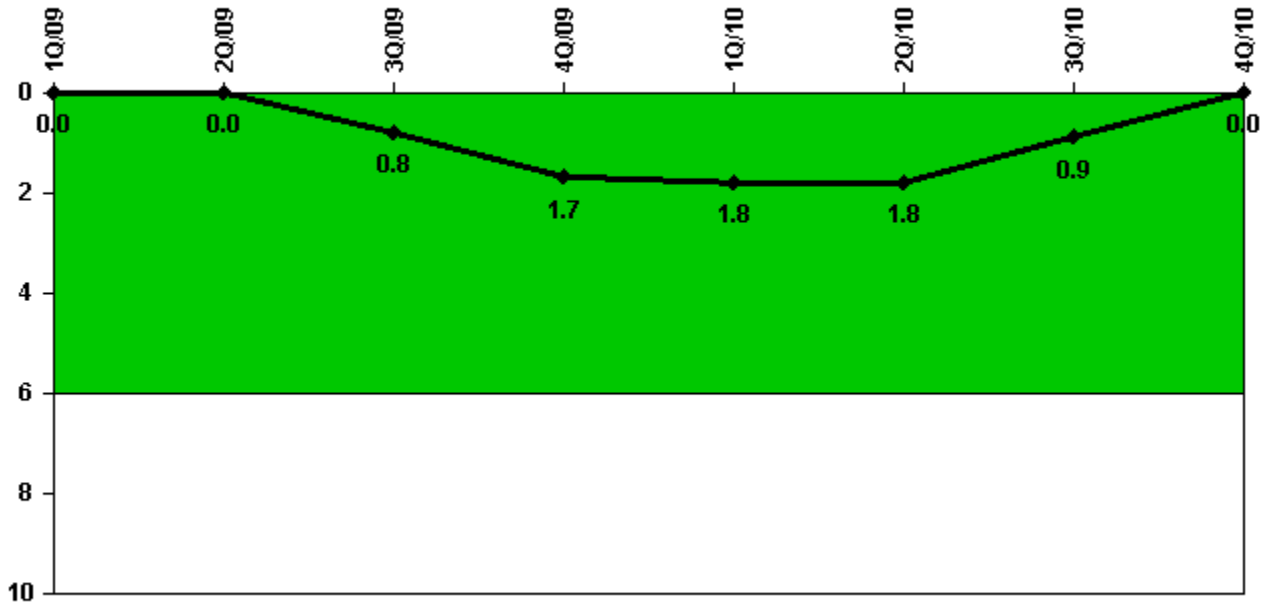
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2159.0	2184.0	2186.0	1934.4	1585.4	2184.0	2208.0	2209.0
Indicator value	0	0	0	0.8	0.9	0.9	0.9	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



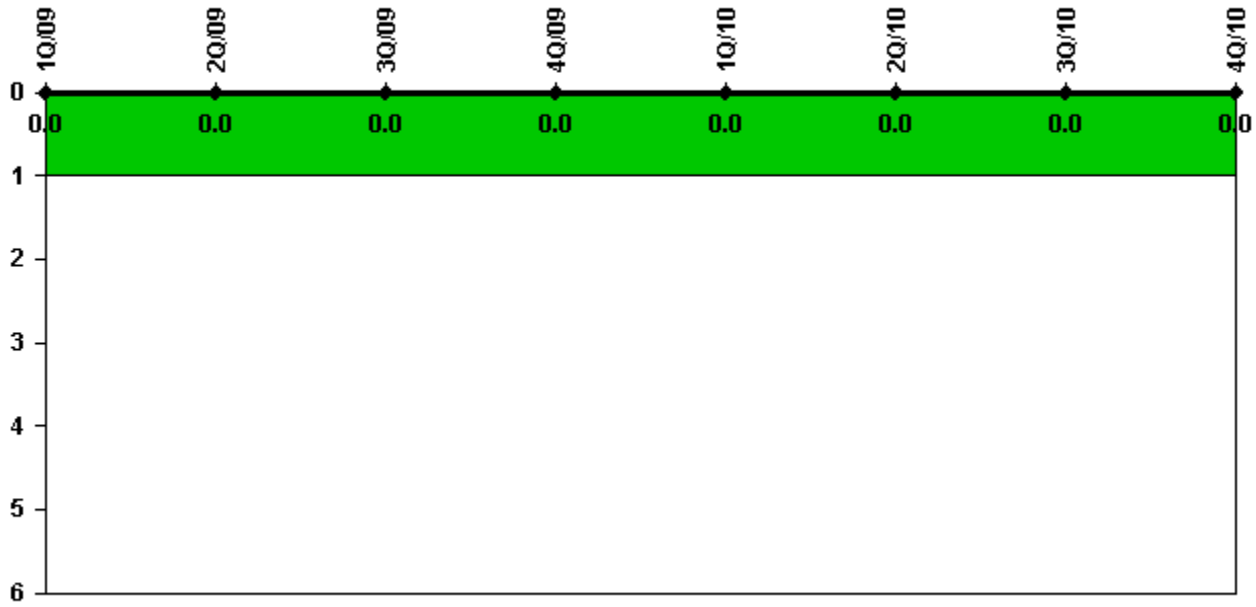
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	0	0	1.0	1.0	0	0	0	0
Critical hours	2159.0	2184.0	2186.0	1934.4	1585.4	2184.0	2208.0	2209.0
Indicator value	0	0	0.8	1.7	1.8	1.8	0.9	0

Licensee Comments: none

## Unplanned Scrams with Complications



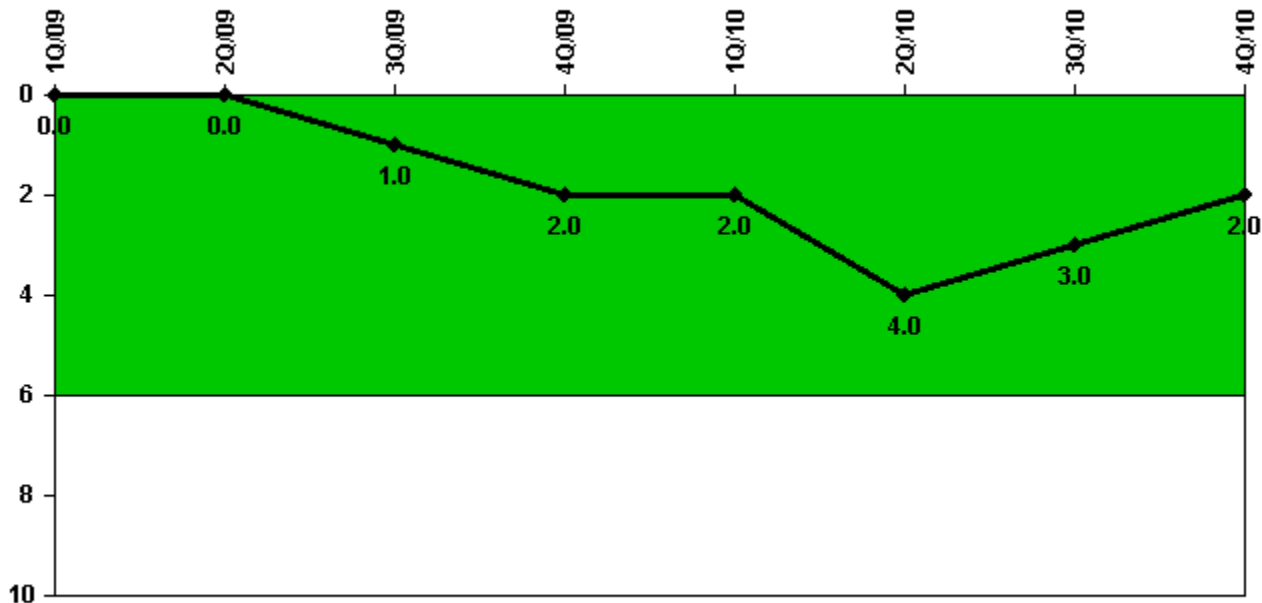
Thresholds: White > 1.0

### Notes

Unplanned Scrams with Complications	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
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 (BWR)



Thresholds: White > 6.0

### Notes

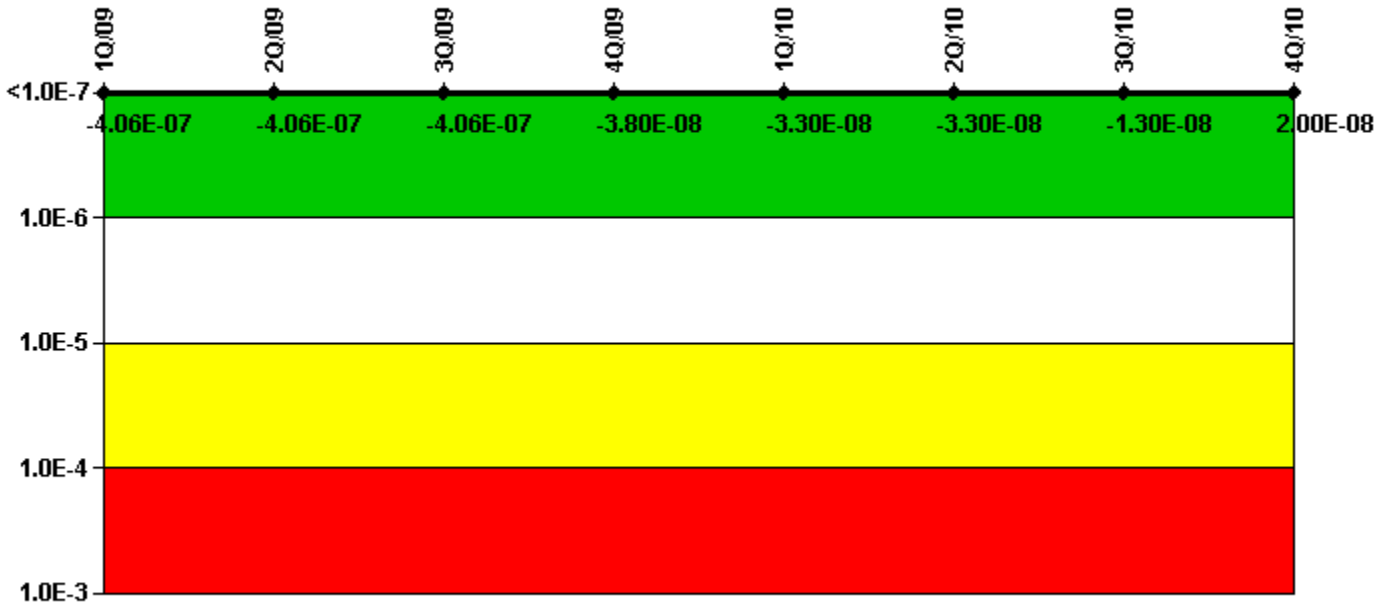
Safety System Functional Failures (BWR)	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Safety System Functional Failures	0	0	1	1	0	2	0	0
Indicator value	0	0	1	2	2	4	3	2

Licensee Comments:

4Q/10: 2Q2010 data revised to add Safety System Functional Failure reported to NRC under LER 2008-003-00 on 5/17/2010.

2Q/10: Safety System Functional Failure reported to NRC 4/1/2010 under LER 2010-002-00; 2Q2010 data revised to add Safety System Functional Failure reported to NRC under LER 2008-003-00 on 5/17/2010.

# Mitigating Systems Performance Index, Emergency AC Power System



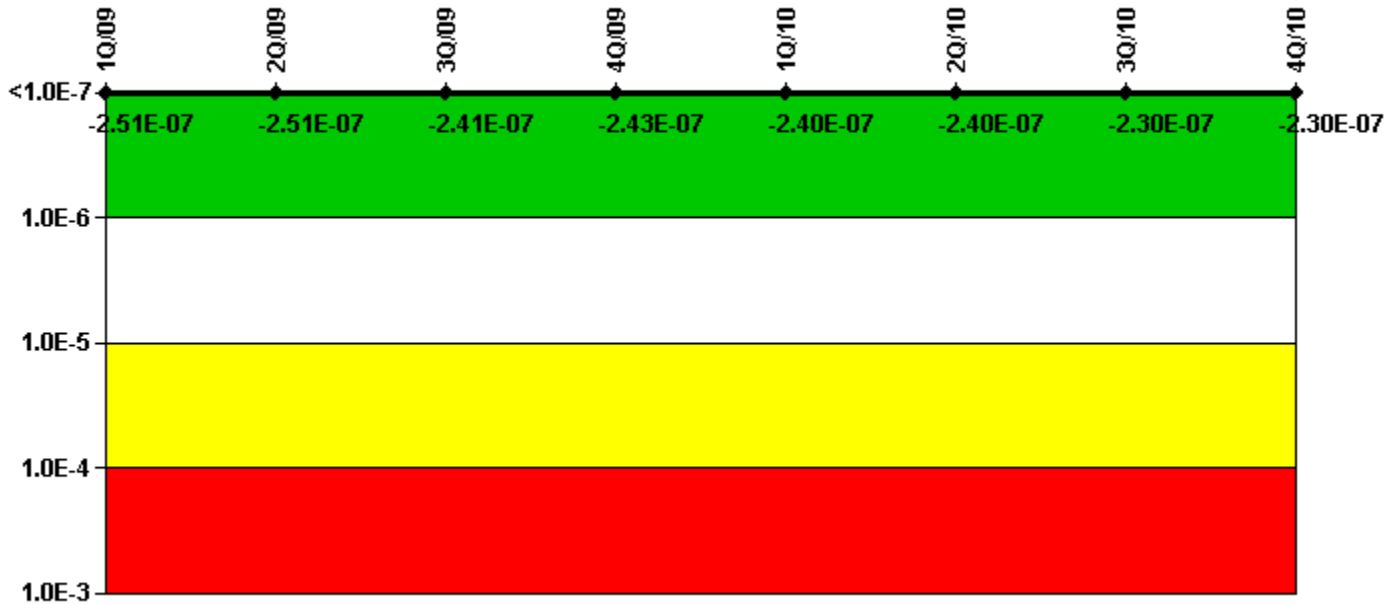
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	-3.60E-08	-3.60E-08	-3.60E-08	-2.70E-08	-2.13E-08	-2.13E-08	-2.10E-09	3.17E-08
URI ( $\Delta$ CDF)	-3.70E-07	-3.70E-07	-3.70E-07	-1.10E-08	-1.13E-08	-1.13E-08	-1.13E-08	-1.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.06E-07	-4.06E-07	-4.06E-07	-3.80E-08	-3.30E-08	-3.30E-08	-1.30E-08	2.00E-08

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



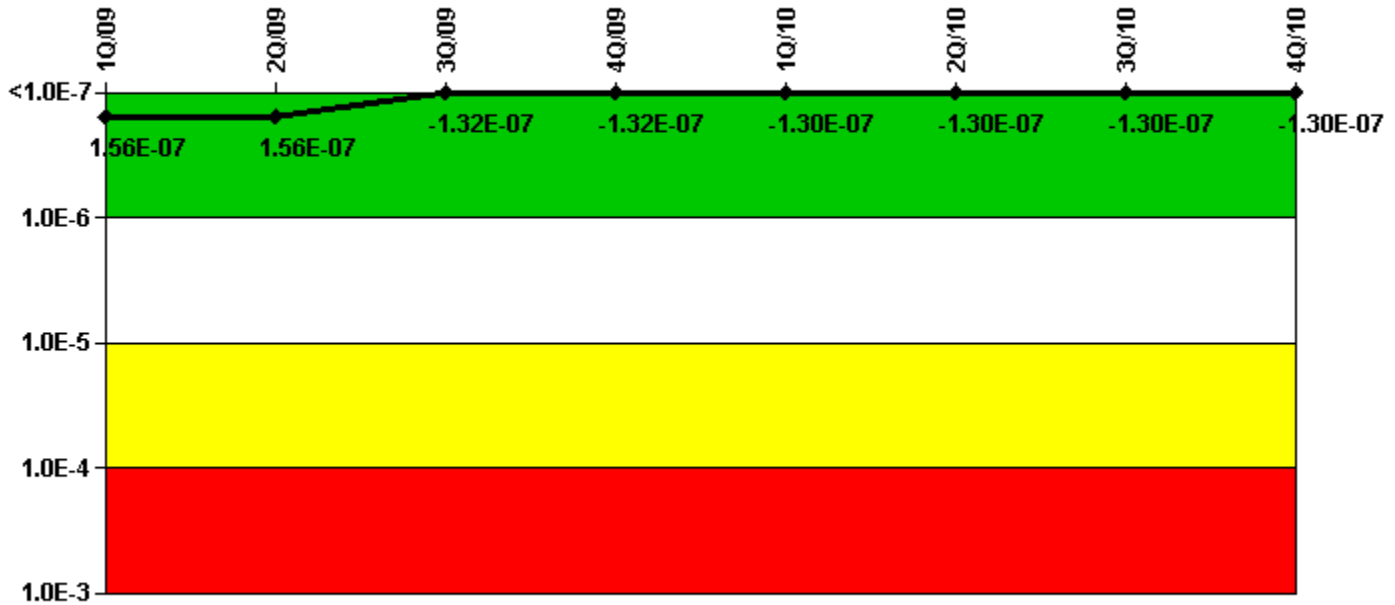
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	-6.10E-08	-6.10E-08	-6.10E-08	-6.30E-08	-6.28E-08	-6.28E-08	-4.42E-08	-4.42E-08
URI ( $\Delta$ CDF)	-1.90E-07	-1.90E-07	-1.80E-07	-1.80E-07	-1.81E-07	-1.81E-07	-1.81E-07	-1.81E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.51E-07	-2.51E-07	-2.41E-07	-2.43E-07	-2.40E-07	-2.40E-07	-2.30E-07	-2.30E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



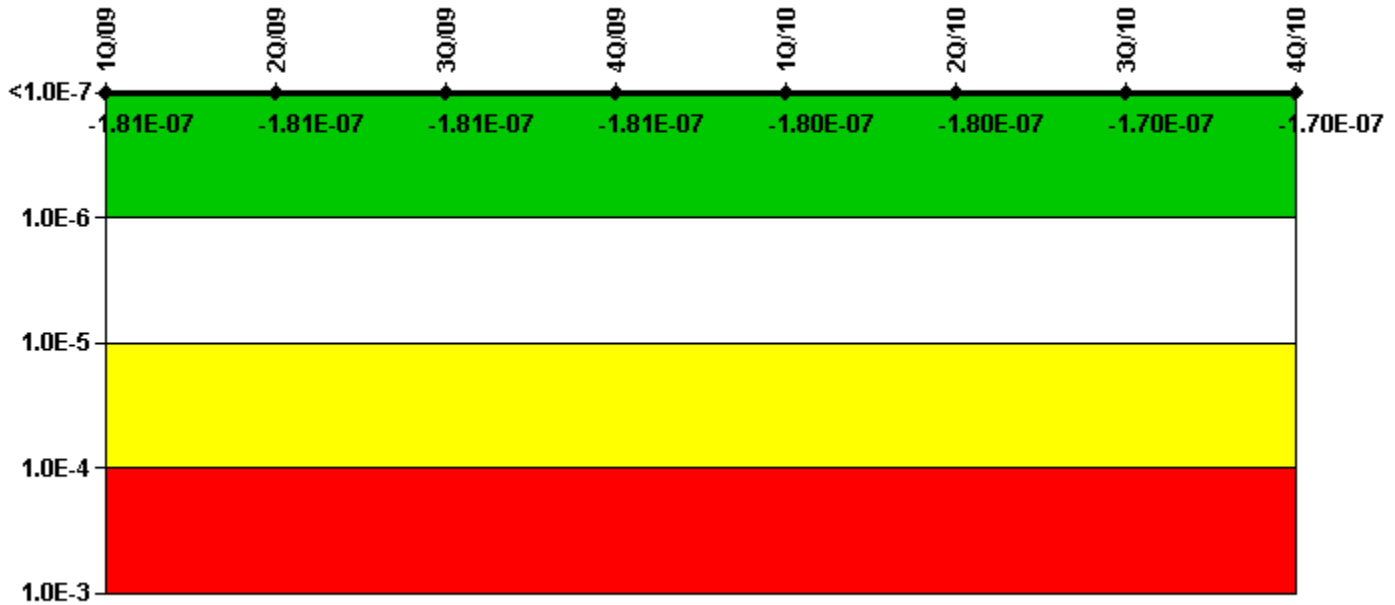
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	-3.40E-08	-3.40E-08	-4.80E-08	-4.80E-08	-4.77E-08	-4.77E-08	-4.77E-08	-4.77E-08
URI ( $\Delta$ CDF)	1.90E-07	1.90E-07	-8.40E-08	-8.40E-08	-8.43E-08	-8.43E-08	-8.43E-08	-8.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.56E-07	1.56E-07	-1.32E-07	-1.32E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-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

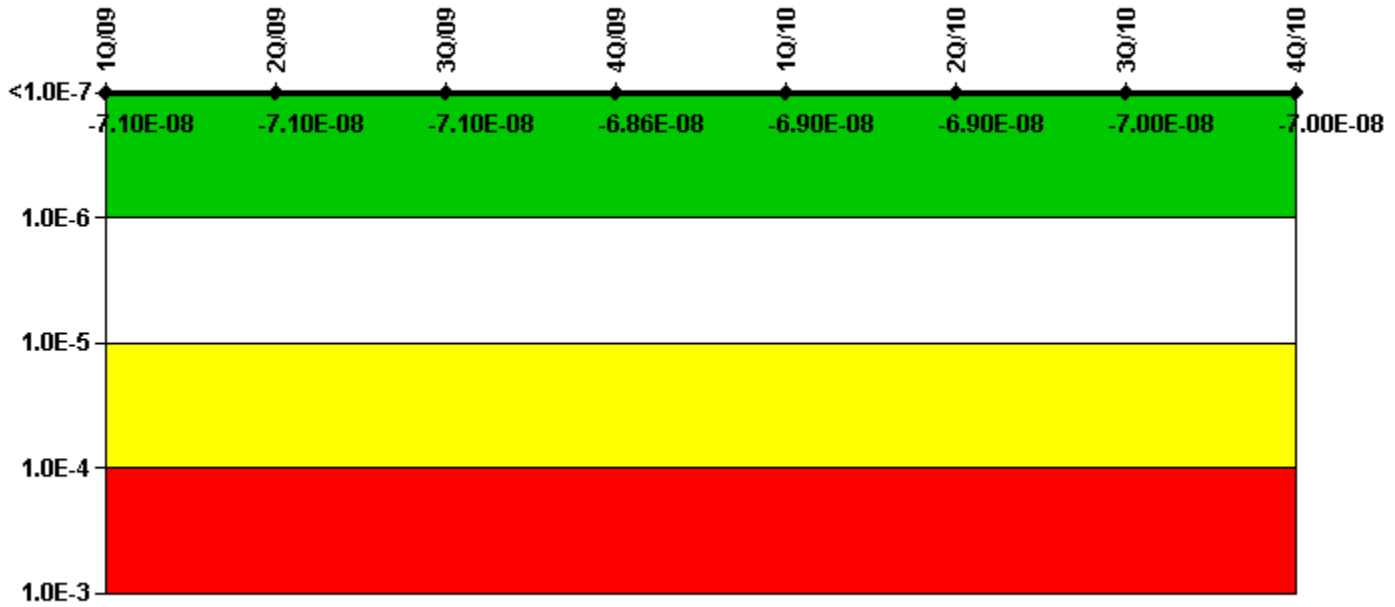
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.09E-08	-7.09E-08	-5.83E-08	-5.83E-08
URI ( $\Delta$ CDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.09E-07	-1.09E-07	-1.09E-07	-1.09E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.81E-07	-1.81E-07	-1.81E-07	-1.81E-07	-1.80E-07	-1.80E-07	-1.70E-07	-1.70E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



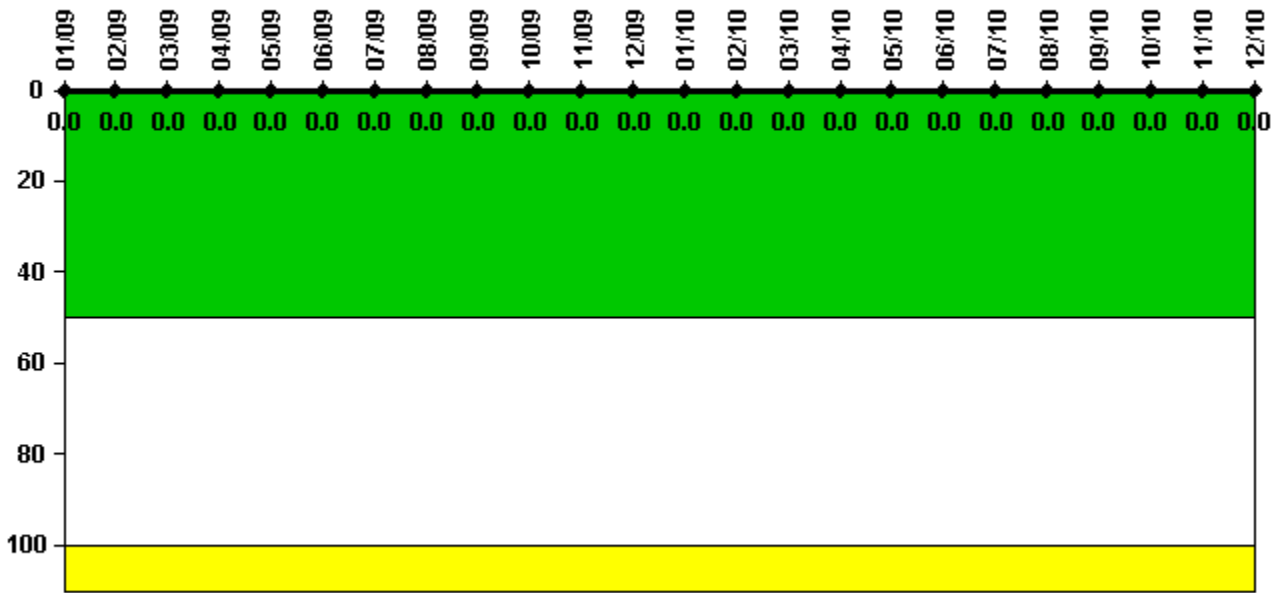
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	0.00E+00	0.00E+00	0.00E+00	2.40E-09	2.45E-09	2.44E-09	1.59E-09	1.59E-09
URI ( $\Delta$ CDF)	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.14E-08	-7.14E-08	-7.14E-08	-7.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.10E-08	-7.10E-08	-7.10E-08	-6.86E-08	-6.90E-08	-6.90E-08	-7.00E-08	-7.00E-08

Licensee Comments: none

# Reactor Coolant System Activity



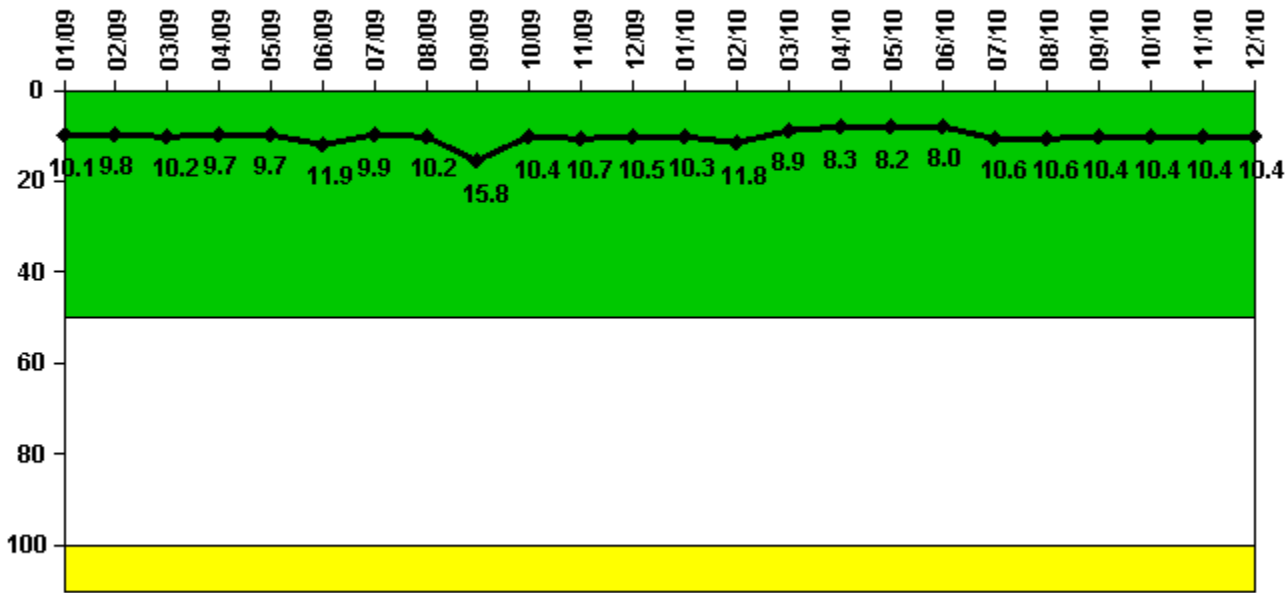
Thresholds: White > 50.0 Yellow > 100.0

## Notes

Reactor Coolant System Activity	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.000002	0.000002	0.000002	0.000002	0.000002	0.000003	0.000002	0.000002	0.000002	0.000003	0.000003	0.000002
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum activity	0.000002	0.000002	0.000002	0.000002	0.000002	0.000004	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



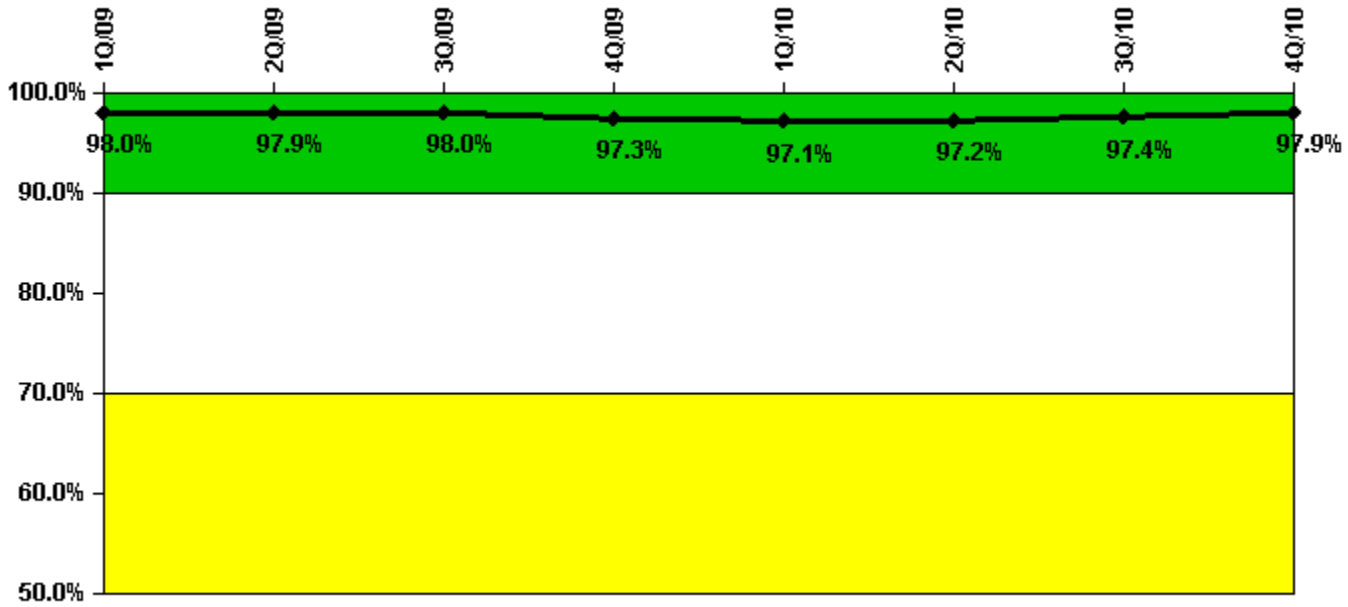
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	3.040	2.930	3.060	2.910	2.900	3.570	2.970	3.050	4.740	3.130	3.210	3.140
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	10.1	9.8	10.2	9.7	9.7	11.9	9.9	10.2	15.8	10.4	10.7	10.5
Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	3.090	3.530	2.660	2.480	2.470	2.410	3.170	3.190	3.130	3.130	3.120	3.120
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	10.3	11.8	8.9	8.3	8.2	8.0	10.6	10.6	10.4	10.4	10.4	10.4

Licensee Comments: none

## Drill/Exercise Performance



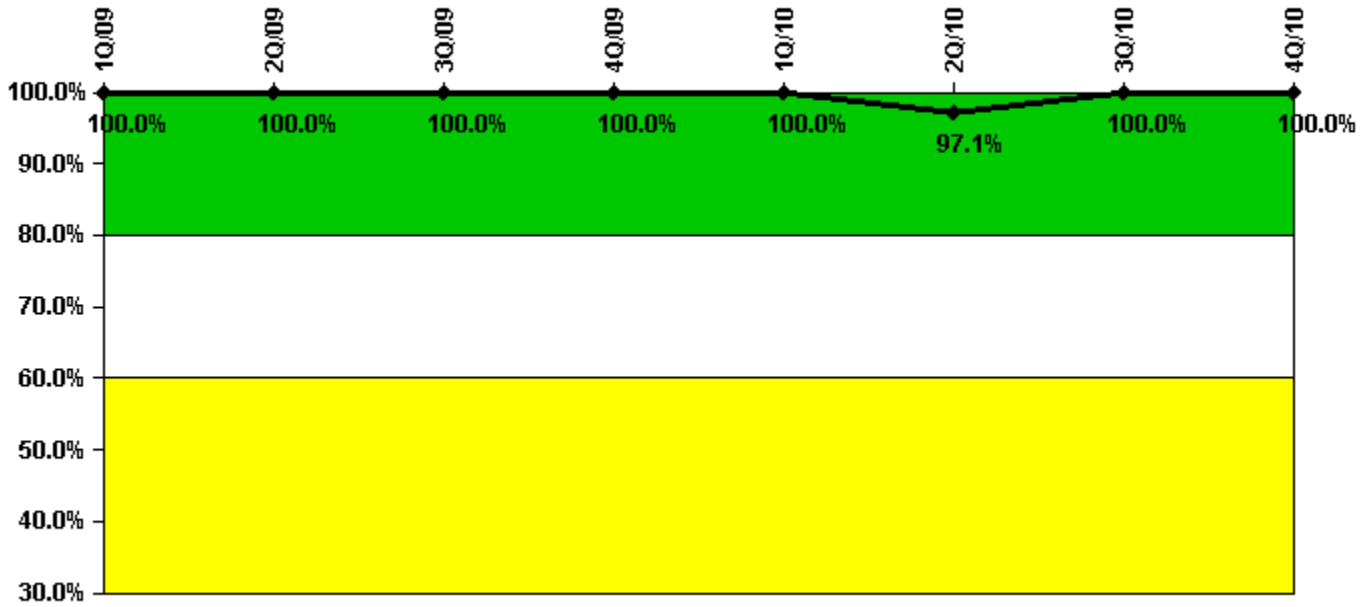
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	65.0	44.0	41.0	60.0	23.0	40.0	55.0	46.0
Total opportunities	66.0	46.0	42.0	63.0	24.0	40.0	55.0	46.0
Indicator value	98.0%	97.9%	98.0%	97.3%	97.1%	97.2%	97.4%	97.9%

License Comments: none

# ERO Drill Participation



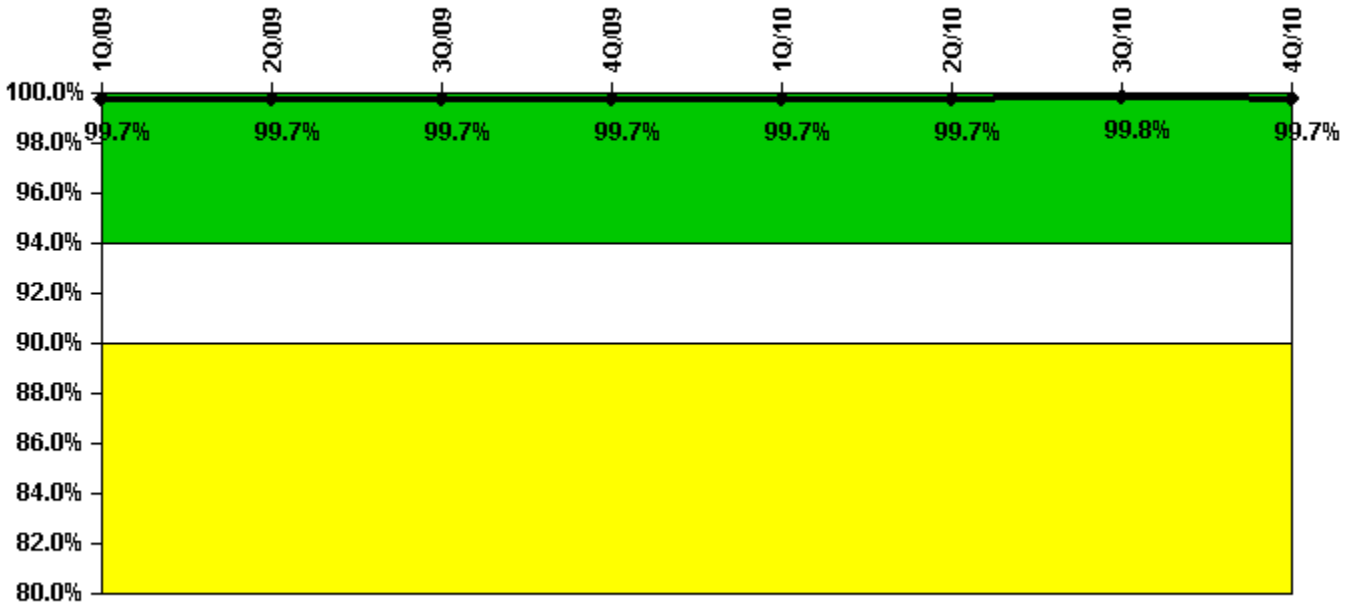
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Participating Key personnel	68.0	61.0	66.0	65.0	62.0	66.0	68.0	67.0
Total Key personnel	68.0	61.0	66.0	65.0	62.0	68.0	68.0	67.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	97.1%	100.0%	100.0%

Licensee Comments: none

# Alert & Notification System



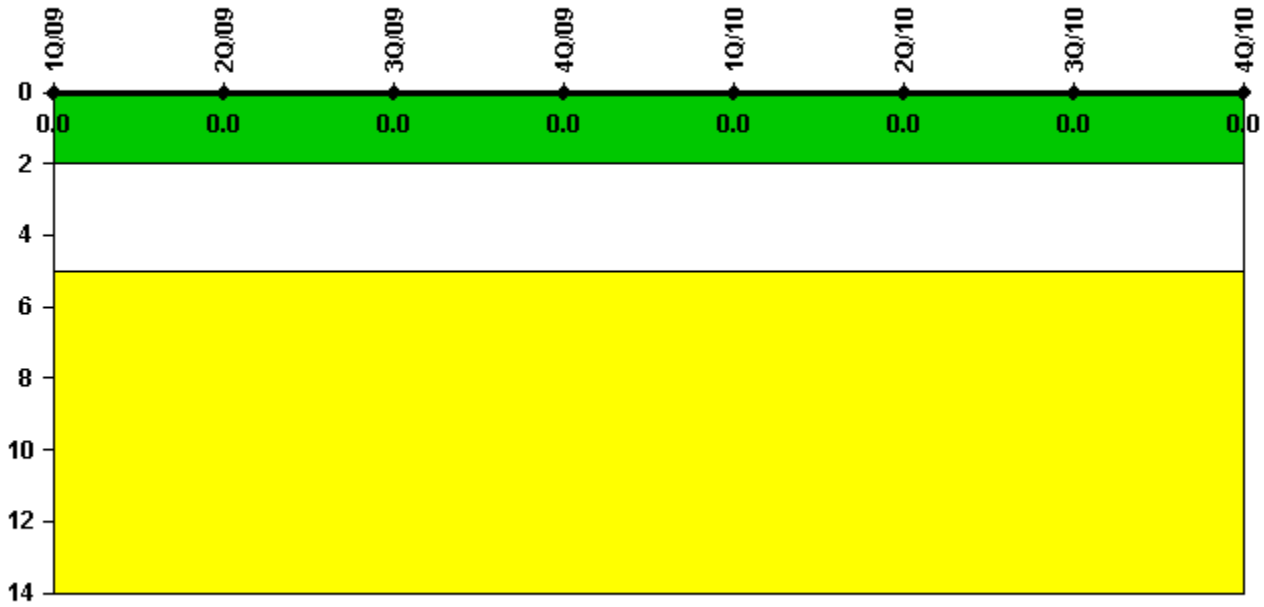
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	2767	2808	2847	2812	2517	2551	2591	2594
Total sirens-tests	2772	2816	2860	2816	2520	2560	2600	2600
Indicator value	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.8%	99.7%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



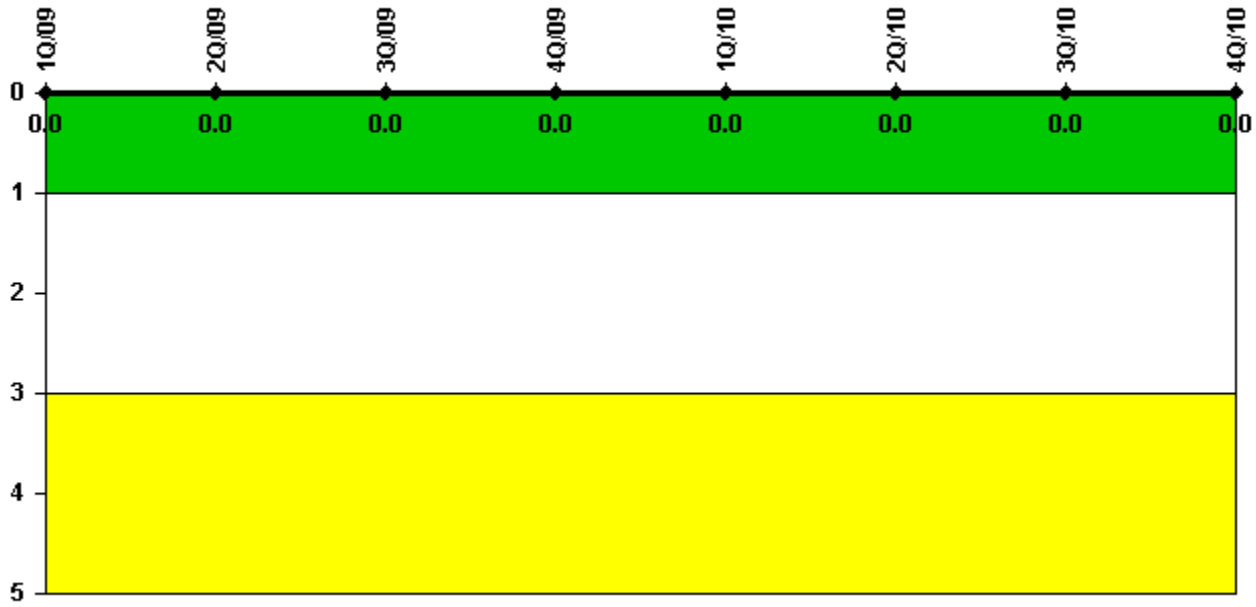
**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

Occupational Exposure Control Effectiveness	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
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	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
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.