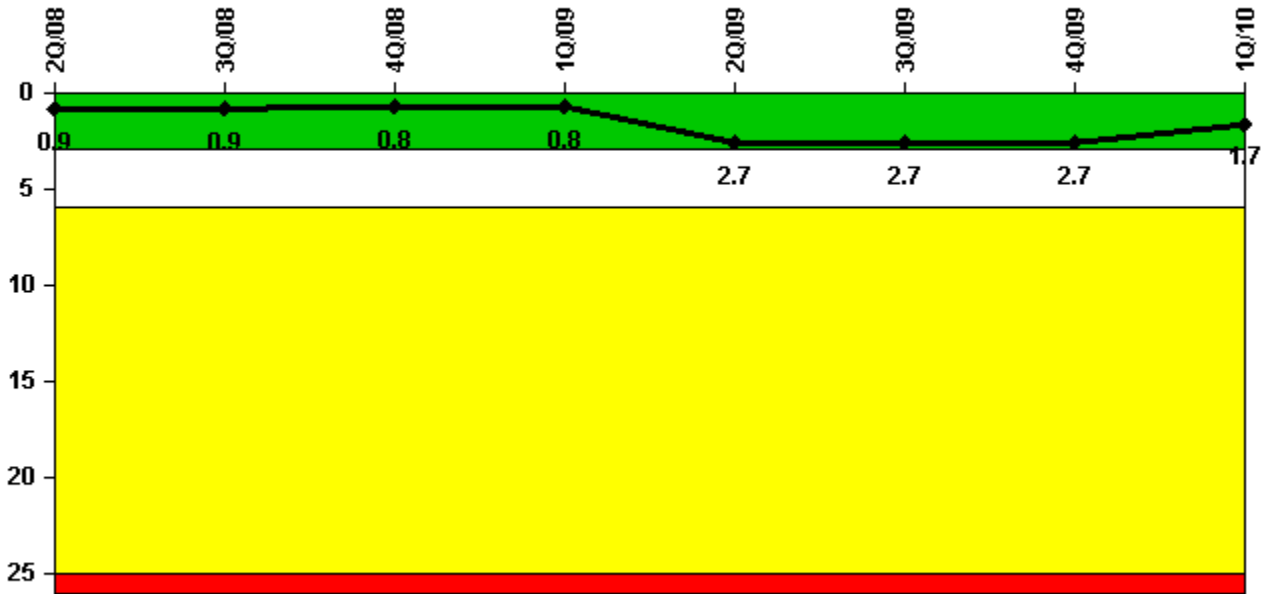


Sequoyah 1

1Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



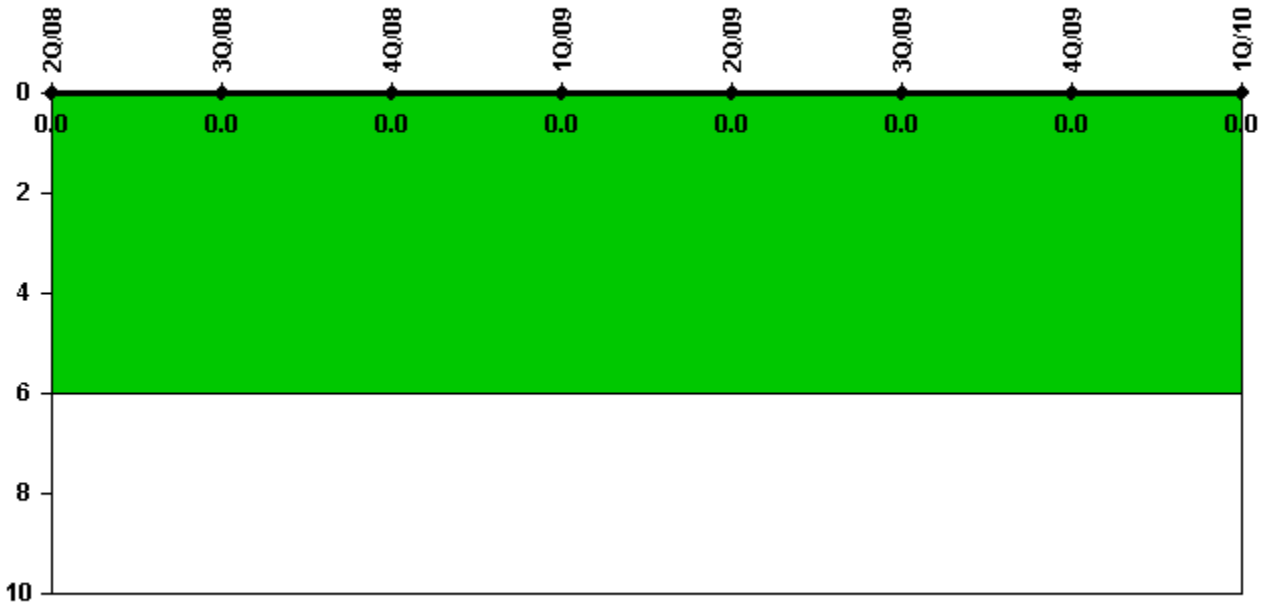
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	1.0	2.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2019.9	1441.3	2208.0	2209.0	2159.0
Indicator value	0.9	0.9	0.8	0.8	2.7	2.7	2.7	1.7

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



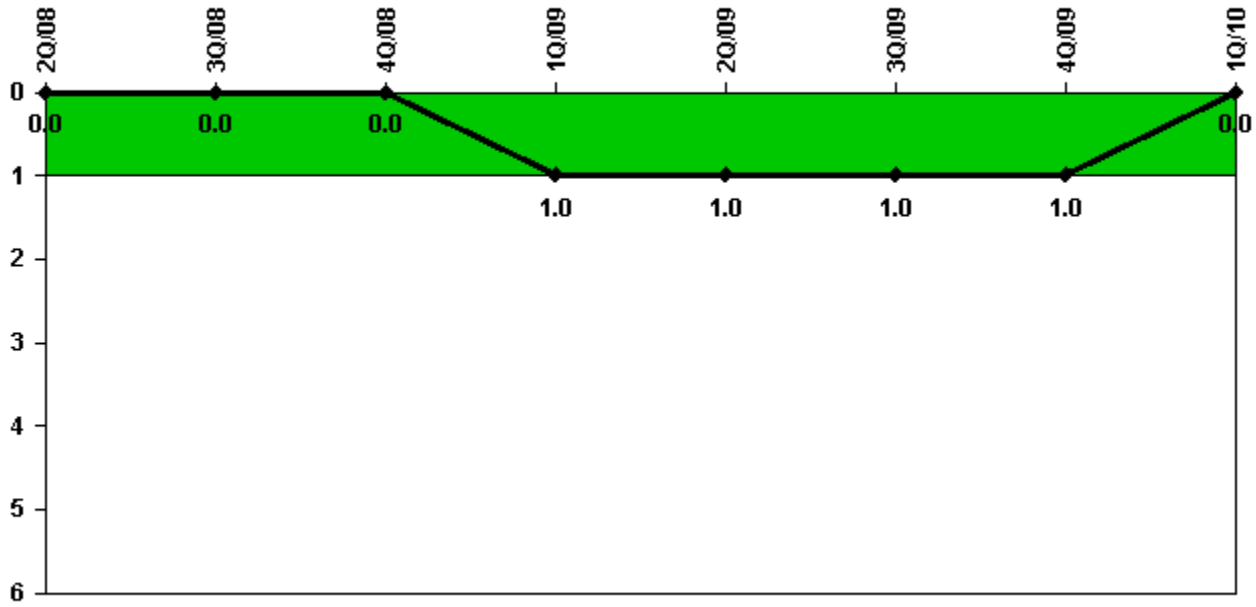
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2019.9	1441.3	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



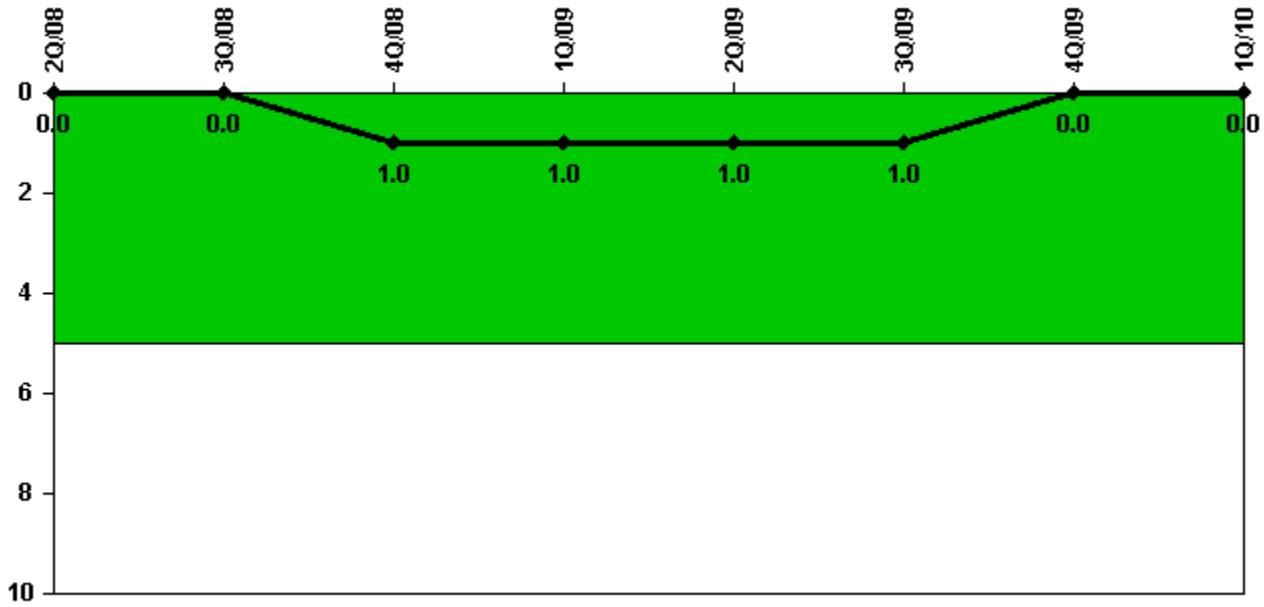
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Scrams with complications	0	0	0	1.0	0	0	0	0
Indicator value	0.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



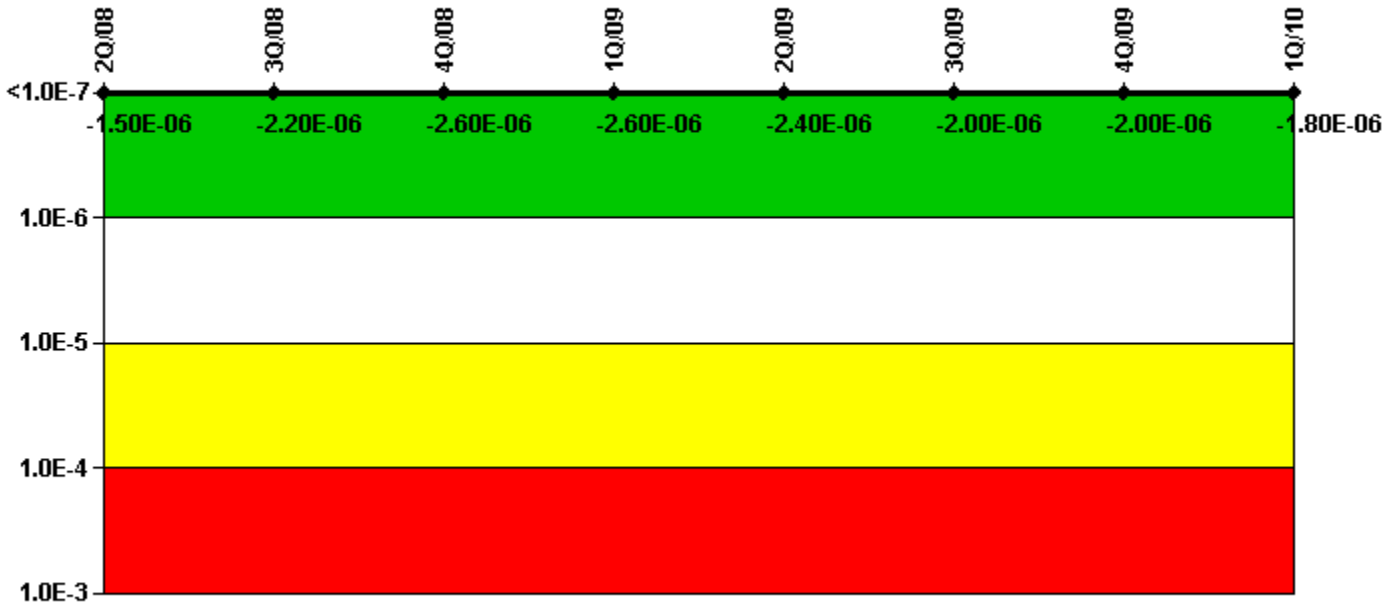
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	0	0	1	1	1	1	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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-1.99E-07	-2.93E-07	-2.94E-07	-2.94E-07	-3.22E-08	3.44E-08	-7.03E-09	2.21E-07
URI (Δ CDF)	-1.33E-06	-1.87E-06	-2.31E-06	-2.35E-06	-2.42E-06	-2.00E-06	-1.95E-06	-1.98E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-06	-2.20E-06	-2.60E-06	-2.60E-06	-2.40E-06	-2.00E-06	-2.00E-06	-1.80E-06

Licensee Comments:

3Q/08: Risk Cap Invoked. The risk cap is not invoked.

2Q/08: Risk Cap Invoked. Revised all quarterly data within the 3 yr reporting window for the following corrections. Planned unavailable hours due to SSPS testing on U1 were removed from the U2 indicator and vice versa. Unavailable hours included while the applicable unit was not critical were subtracted. Also, baseline planned unavailability was updated for these same conditions. These changes made in accordance with Sequoyah PER 135288. BPK7/11/08

1Q/08: Risk Cap Invoked. An error has been identified in baseline planned unavailability and critical hours. The baseline planned unavailability will increase once corrected adding further margin in the UAI derivation. This correction will be made prior to next quarter's reporting.

4Q/07: Risk Cap Invoked. The following changes have been made during the reporting quarter. PRA parameters for FVURC, FVUAP, UAP updated to reflect numbers in the basis document. Failure records 1057, 1088, and 1006 have been changed as a result of a re-evaluation.

3Q/07: Risk Cap Invoked. failure record 1088 updated for MSPI failure no. Failed components were outside the monitoring boundary. BPK 1/16/08

2Q/07: Risk Cap Invoked.

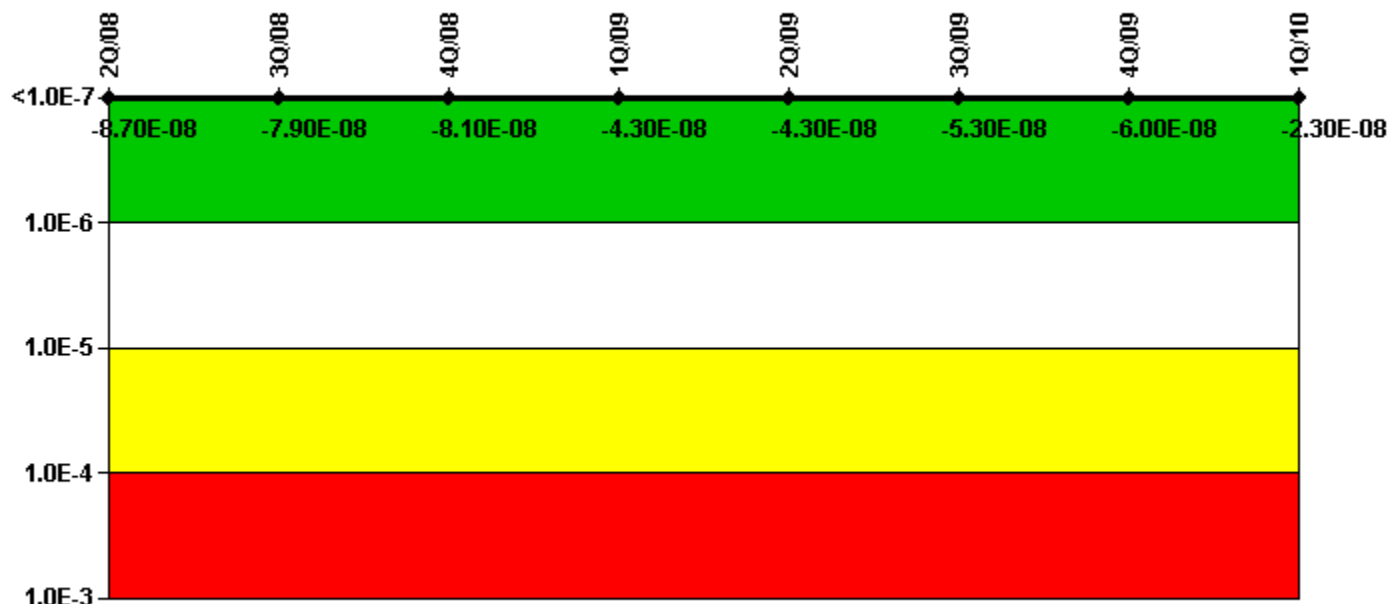
1Q/07: Risk Cap Invoked.

4Q/06: Risk Cap Invoked.

3Q/06: Risk Cap Invoked. failure record 1057 updated to MSPI failure no. Failed equipment was outside the monitoring boundary. BPK 1/16/08

2Q/06: 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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	8.37E-08	9.16E-08	9.01E-08	1.28E-07	1.27E-07	1.17E-07	1.11E-07	1.47E-07
URI (Δ CDF)	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07	-1.71E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.70E-08	-7.90E-08	-8.10E-08	-4.30E-08	-4.30E-08	-5.30E-08	-6.00E-08	-2.30E-08

Licensee Comments:

3Q/07: Risk Cap Invoked.

2Q/07: Risk Cap Invoked.

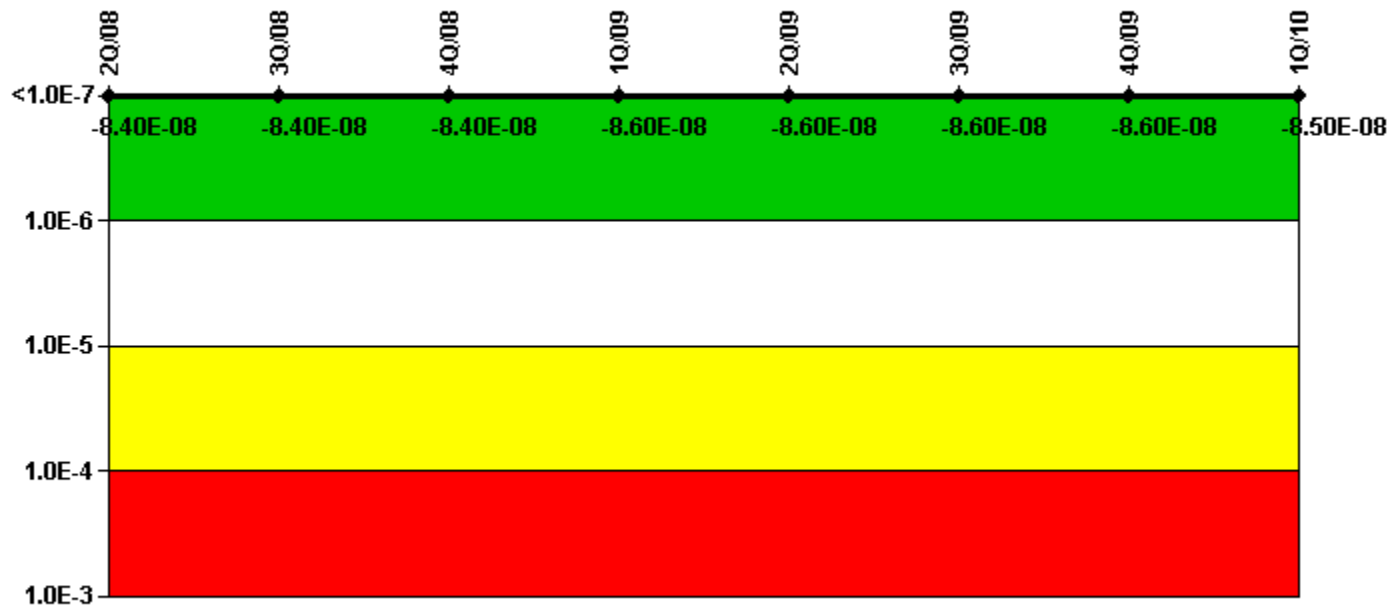
1Q/07: Risk Cap Invoked.

4Q/06: Risk Cap Invoked.

3Q/06: Risk Cap Invoked.

2Q/06: Risk Cap Invoked.

Mitigating Systems Performance Index, Heat Removal System



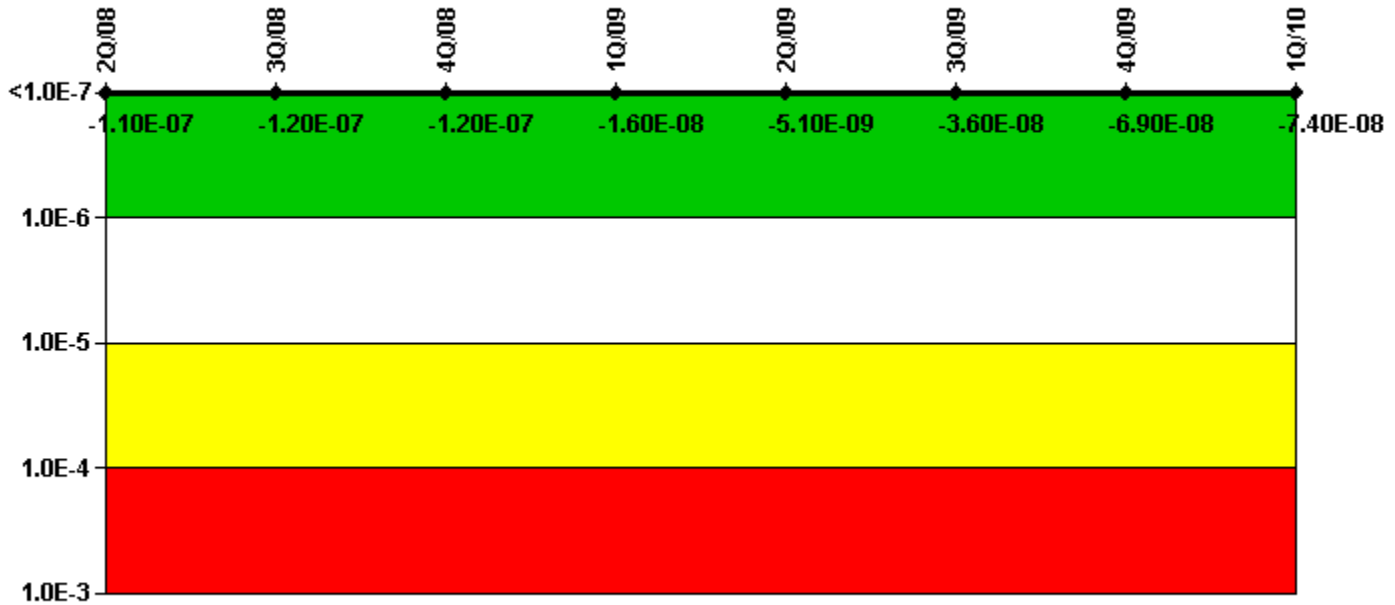
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-1.99E-08	-1.99E-08	-1.99E-08	-1.99E-08	-1.99E-08	-1.98E-08	-1.98E-08	-1.85E-08
URI (Δ CDF)	-6.41E-08	-6.41E-08	-6.41E-08	-6.63E-08	-6.66E-08	-6.66E-08	-6.66E-08	-6.66E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.40E-08	-8.40E-08	-8.40E-08	-8.60E-08	-8.60E-08	-8.60E-08	-8.60E-08	-8.50E-08

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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	2.58E-07	2.46E-07	2.44E-07	3.50E-07	3.61E-07	3.30E-07	2.97E-07	2.92E-07
URI (Δ CDF)	-3.66E-07	-3.66E-07	-3.66E-07	-3.66E-07	-3.66E-07	-3.66E-07	-3.66E-07	-3.66E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-07	-1.20E-07	-1.20E-07	-1.60E-08	-5.10E-09	-3.60E-08	-6.90E-08	-7.40E-08

Licensee Comments:

2Q/07: Risk Cap Invoked.

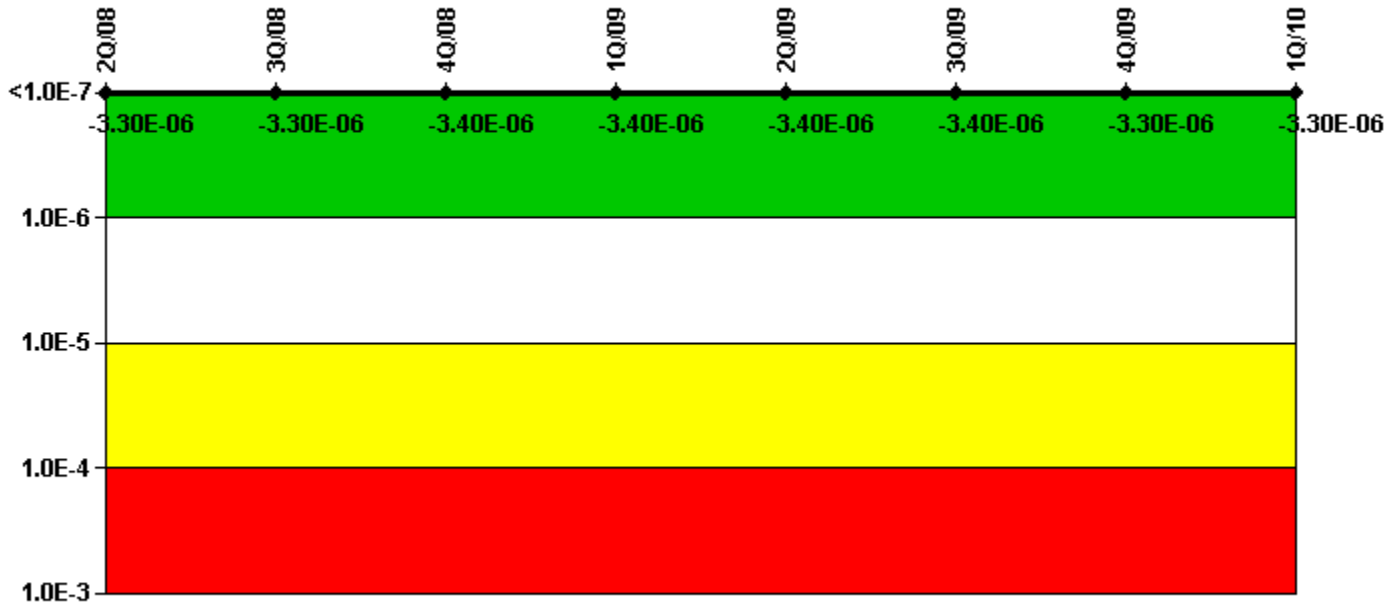
1Q/07: Risk Cap Invoked.

4Q/06: Risk Cap Invoked.

3Q/06: Risk Cap Invoked.

2Q/06: Risk Cap Invoked.

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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-3.06E-06	-3.07E-06	-3.18E-06	-3.17E-06	-3.17E-06	-3.14E-06	-3.13E-06	-3.12E-06
URI (Δ CDF)	-2.18E-07	-2.18E-07	-2.18E-07	-2.18E-07	-2.18E-07	-2.18E-07	-2.18E-07	-2.18E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.30E-06	-3.30E-06	-3.40E-06	-3.40E-06	-3.40E-06	-3.40E-06	-3.30E-06	-3.30E-06

Licensee Comments:

1Q/09: Routine planned unavailability baseline update.

3Q/08: Adjusted planned unavailability baselines for non-routine planned maintenance on ERCW pumps.

1Q/08: Adjusted the planned unavailability baselines for non-routine maintenance that occurred this quarter and removed that which occurred more than 12 quarters ago.

4Q/07: 1) Rebuild of ERCW Pump Q-A started 12/09/07 to complete the end of January. Planned unavailability baseline for 4th quarter adjusted accordingly. 2) C-B Traveling Screen rebuild started in Sept & extended into Oct. Planned unavailability baseline for ERCW N-B & P-B pumps adjusted accordingly. 3) All ERCW pump planned unavailability baselineS may have been adjusted due to applicable maintenance that occurred over 3 years ago and had adjusted the baseline(s).

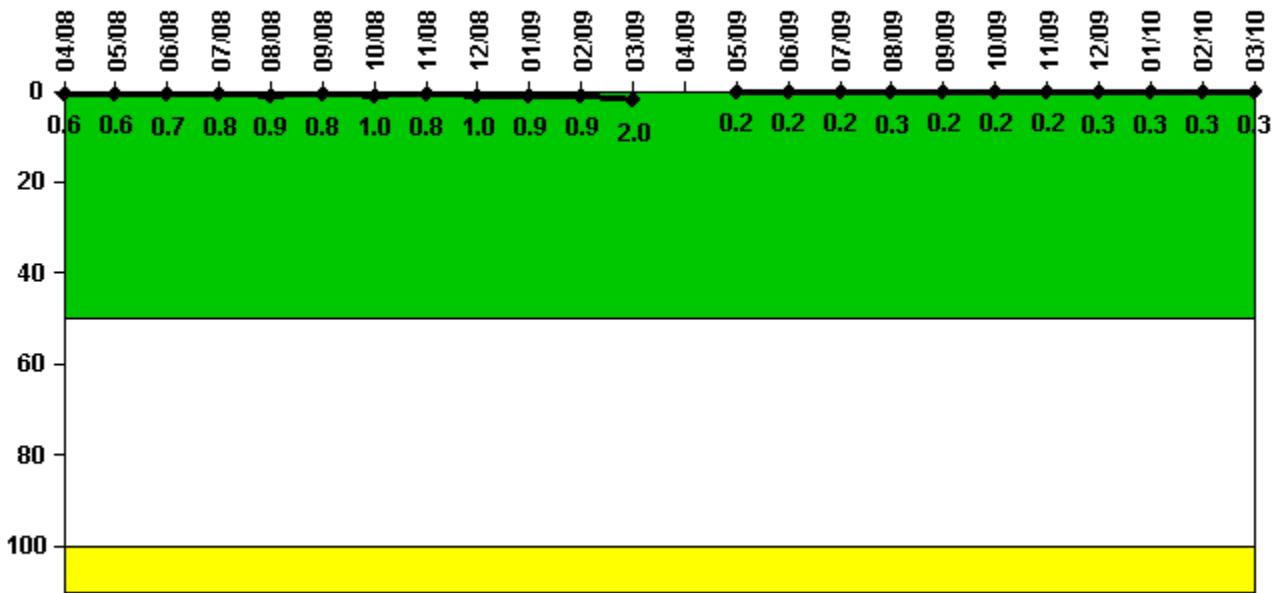
1Q/07: Updated the Planned Unavailability baselines for non-routine planned Maint.

4Q/06: Corrected Planned Unavailability Baseline.

3Q/06: Corrected Planned Unavailability Baseline.

2Q/06: Corrected Planned Unavailability Baseline.

Reactor Coolant System Activity



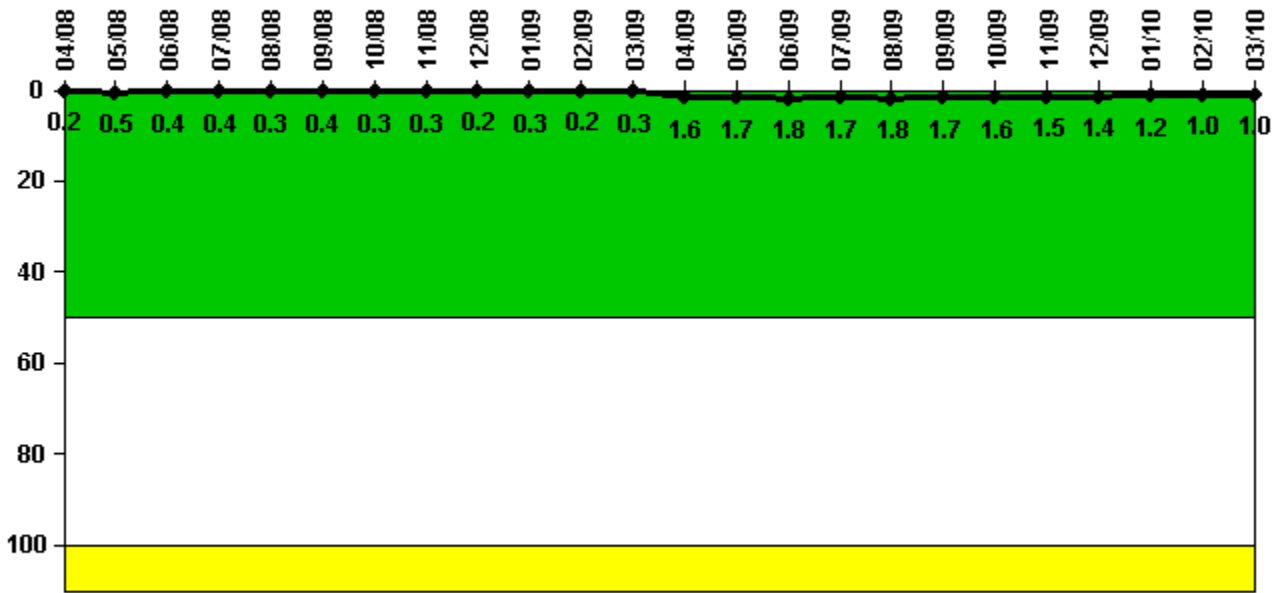
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.002079	0.002129	0.002289	0.002971	0.003110	0.002837	0.003438	0.002711	0.003417	0.003055	0.002984	0.007078
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.6	0.6	0.7	0.8	0.9	0.8	1.0	0.8	1.0	0.9	0.9	2.0
Reactor Coolant System Activity	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	N/A	0.000719	0.000740	0.000747	0.001175	0.000803	0.000850	0.000852	0.000917	0.000924	0.000992	0.001093
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	N/A	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3

Licensee Comments: none

Reactor Coolant System Leakage



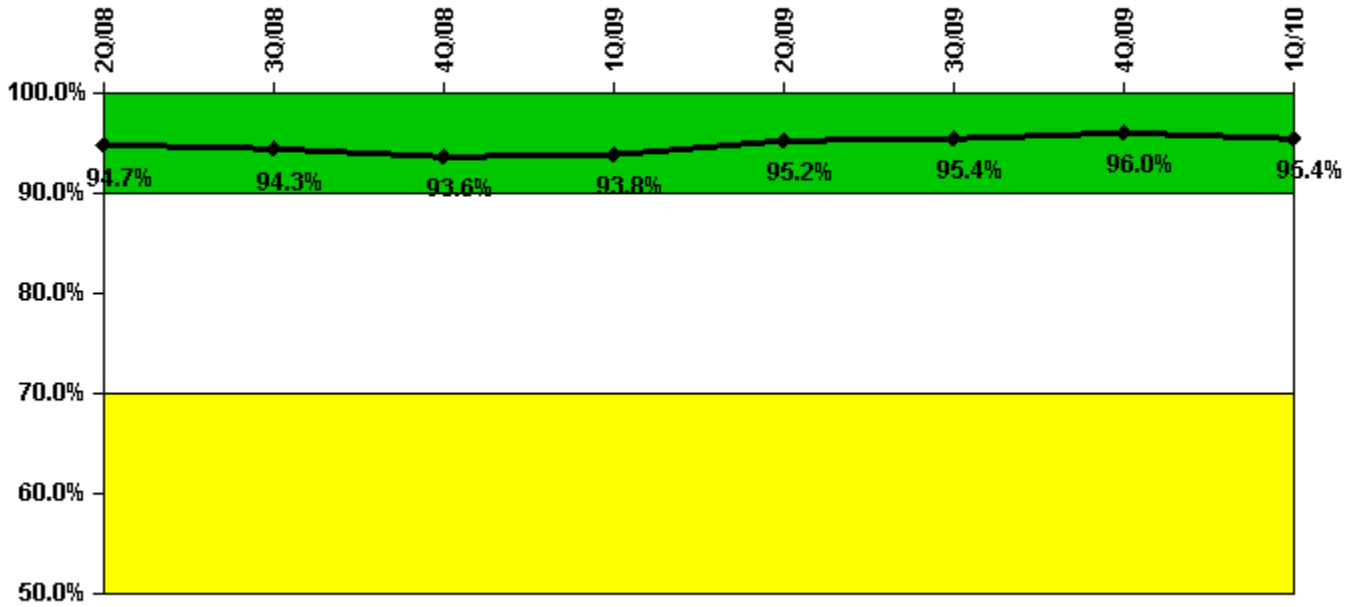
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.020	0.050	0.040	0.040	0.030	0.040	0.030	0.030	0.020	0.030	0.020	0.030
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	0.2	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.2	0.3	0.2	0.3
Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.160	0.170	0.180	0.170	0.180	0.170	0.160	0.150	0.140	0.120	0.100	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	1.6	1.7	1.8	1.7	1.8	1.7	1.6	1.5	1.4	1.2	1.0	1.0

Licensee Comments: none

Drill/Exercise Performance



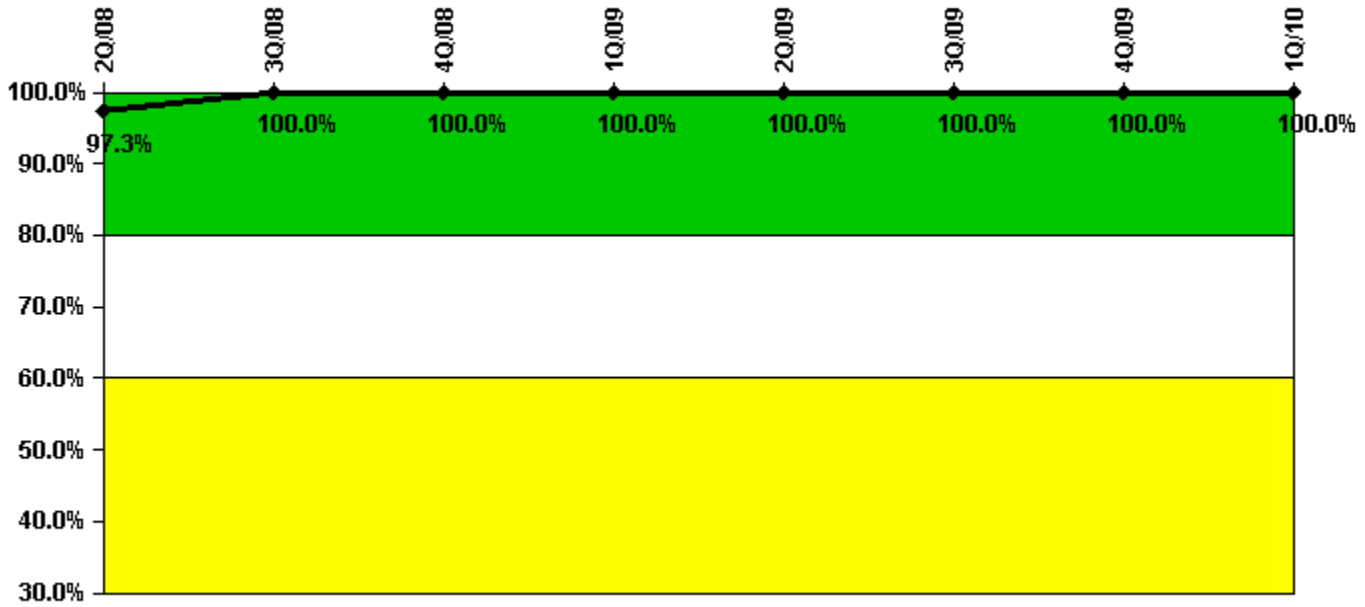
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	11.0	42.0	39.0	21.0	40.0	41.0	16.0	20.0
Total opportunities	12.0	43.0	44.0	22.0	40.0	42.0	16.0	22.0
Indicator value	94.7%	94.3%	93.6%	93.8%	95.2%	95.4%	96.0%	95.4%

Licensee Comments: none

ERO Drill Participation



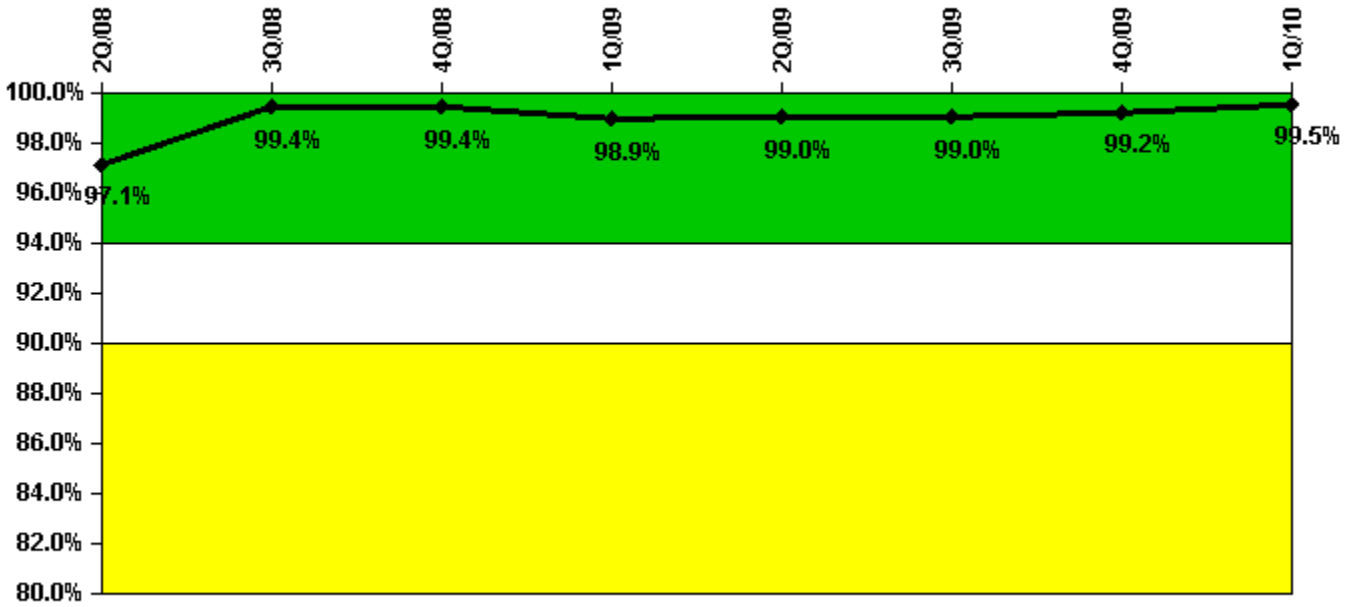
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	73.0	87.0	82.0	86.0	79.0	76.0	79.0	77.0
Total Key personnel	75.0	87.0	82.0	86.0	79.0	76.0	79.0	77.0
Indicator value	97.3%	100.0%	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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	753	751	961	634	969	858	969	751
Total sirens-tests	756	756	972	648	972	864	972	756
Indicator value	97.1%	99.4%	99.4%	98.9%	99.0%	99.0%	99.2%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

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