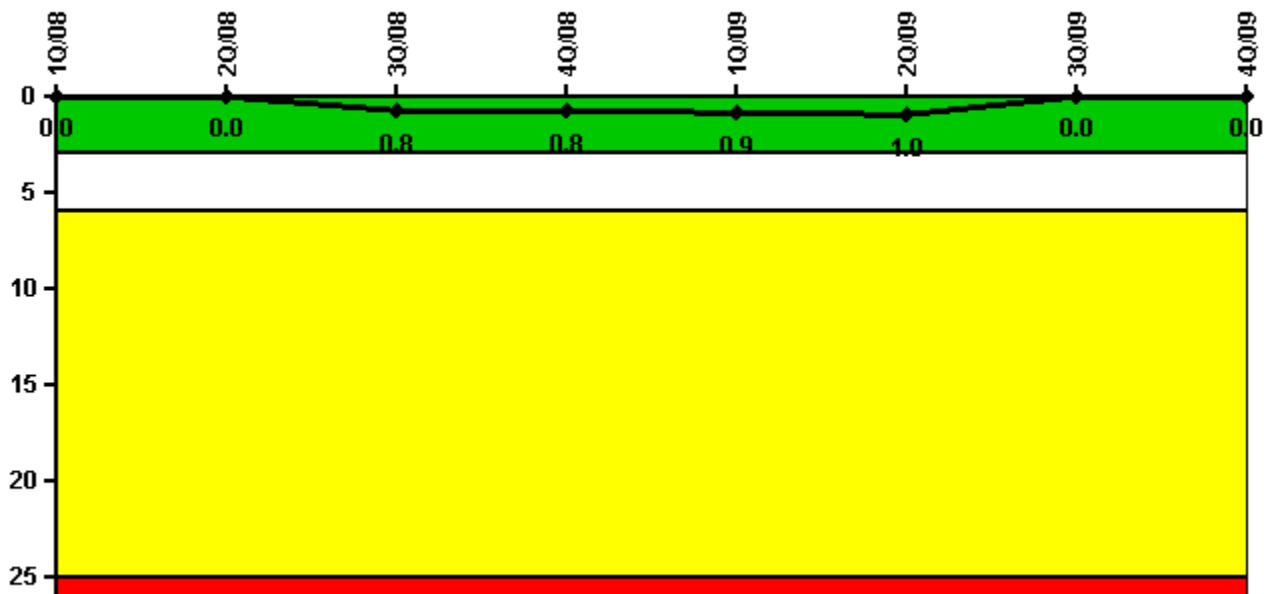


Monticello

4Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



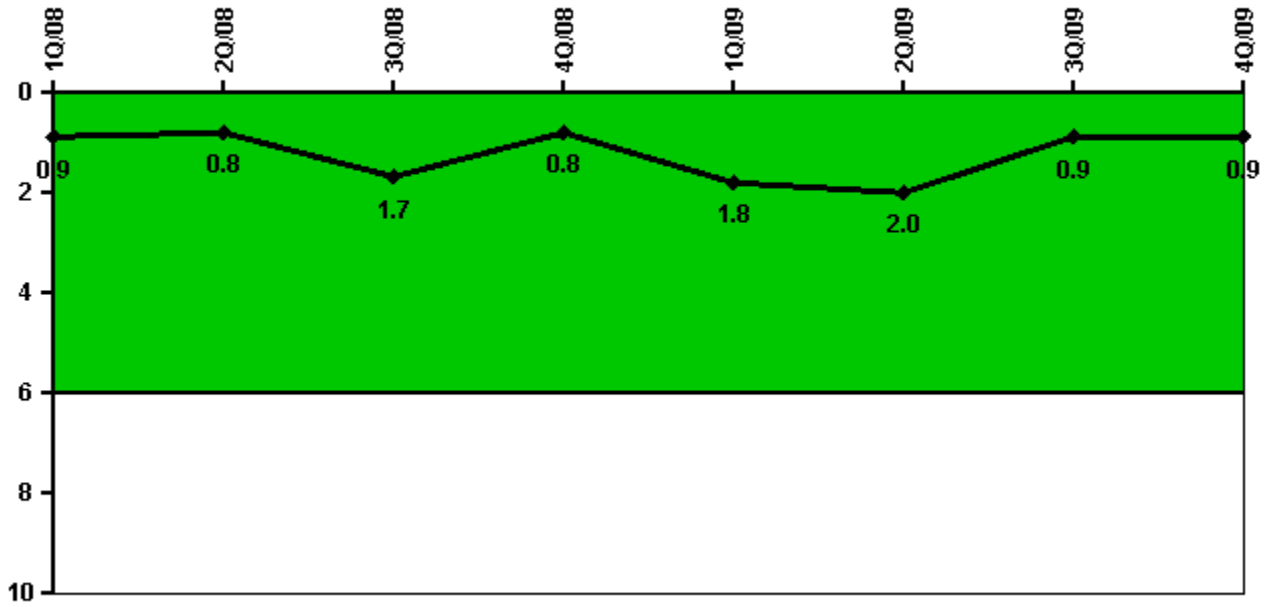
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2183.0	2184.0	1843.3	2209.0	1731.1	1318.3	2208.0	2209.0
Indicator value	0	0	0.8	0.8	0.9	1.0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



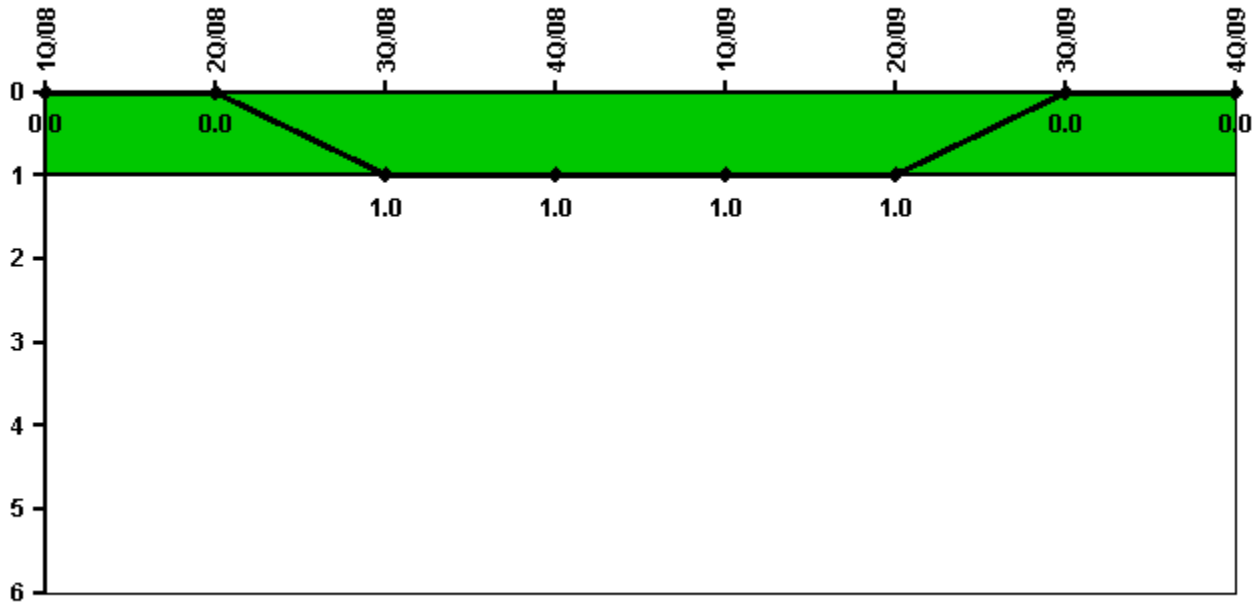
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	0	0	1.0	0	1.0	0	0	0
Critical hours	2183.0	2184.0	1843.3	2209.0	1731.1	1318.3	2208.0	2209.0
Indicator value	0.9	0.8	1.7	0.8	1.8	2.0	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



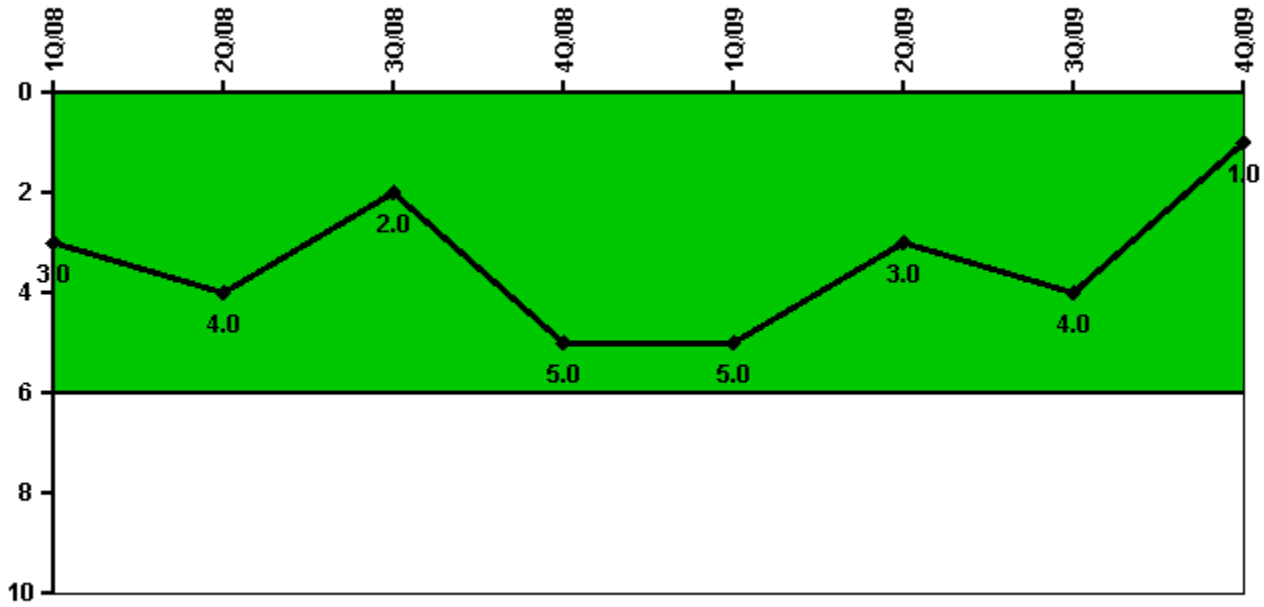
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

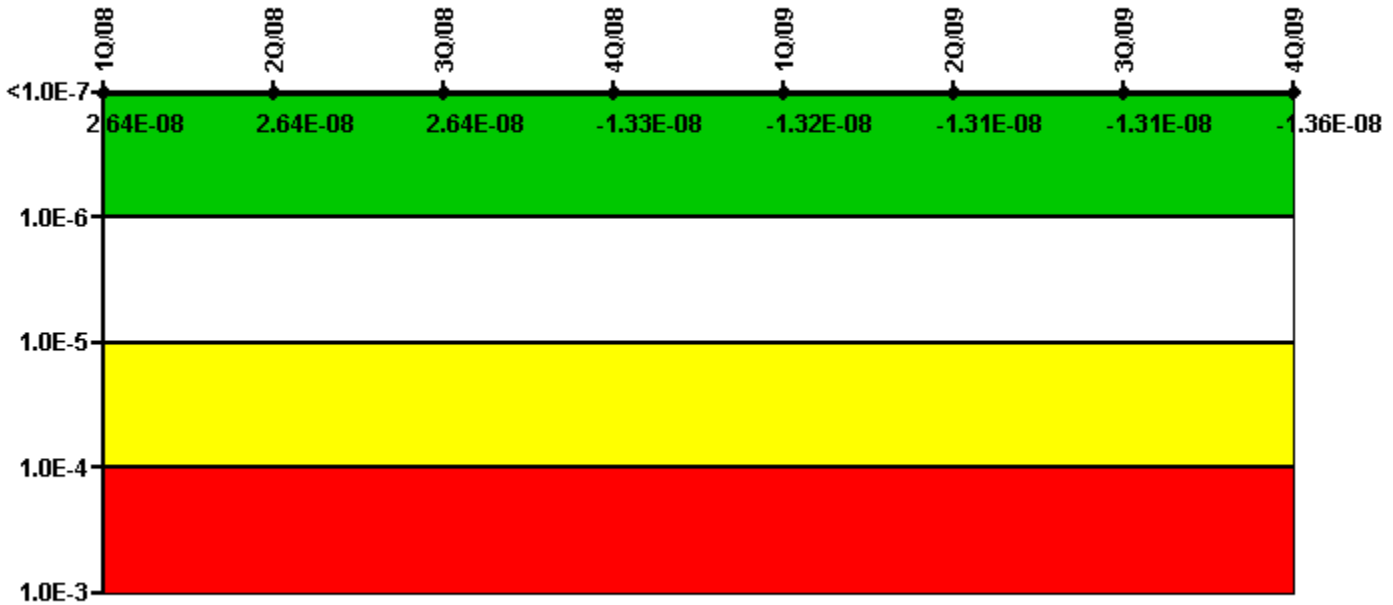
Notes

Safety System Functional Failures (BWR)	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Safety System Functional Failures	0	2	0	3	0	0	1	0
Indicator value	3	4	2	5	5	3	4	1

Licensee Comments:

4Q/09: LER 2008-02, Rev 1, dated 11/30/2009 and LER 2008-03, Rev 1, dated 11/30/2009. Revisions were required due to the SSFF box on the NRC LER form not checked in original submission. LERs were properly counted as SSFF in 2008.

Mitigating Systems Performance Index, Emergency AC Power System



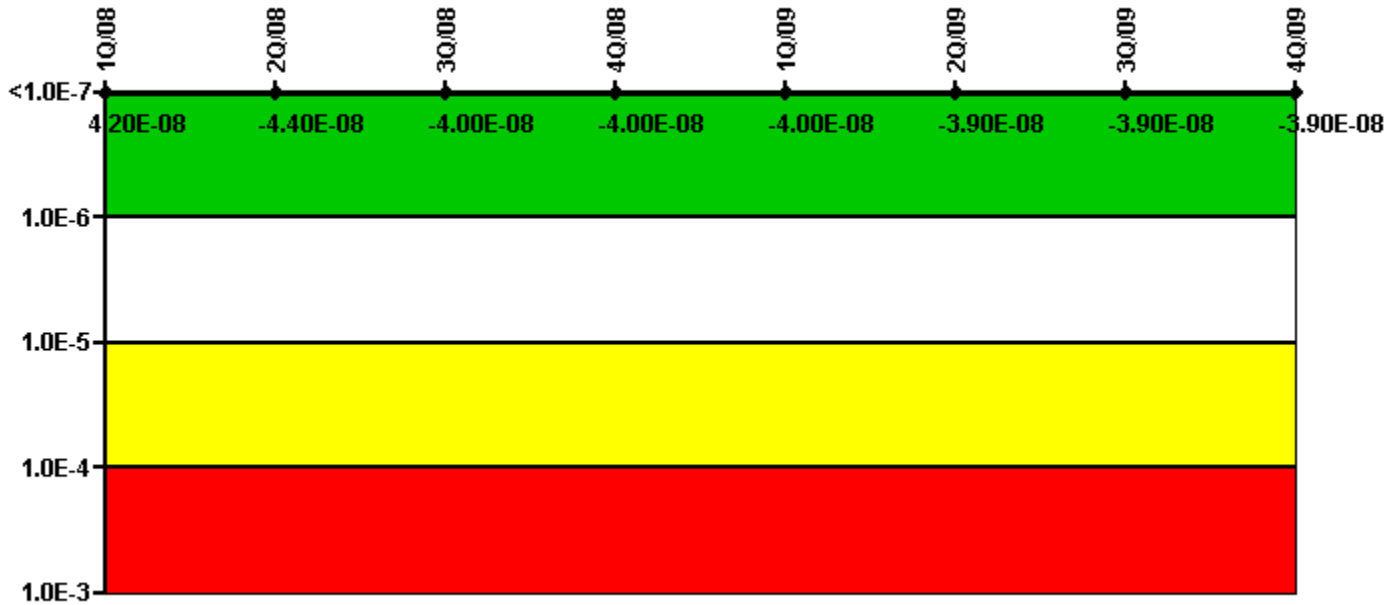
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-6.40E-10	-6.40E-10	-6.30E-10	-1.30E-09	-1.20E-09	-1.10E-09	-1.10E-09	-1.60E-09
URI (Δ CDF)	2.70E-08	2.70E-08	2.70E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.64E-08	2.64E-08	2.64E-08	-1.33E-08	-1.32E-08	-1.31E-08	-1.31E-08	-1.36E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



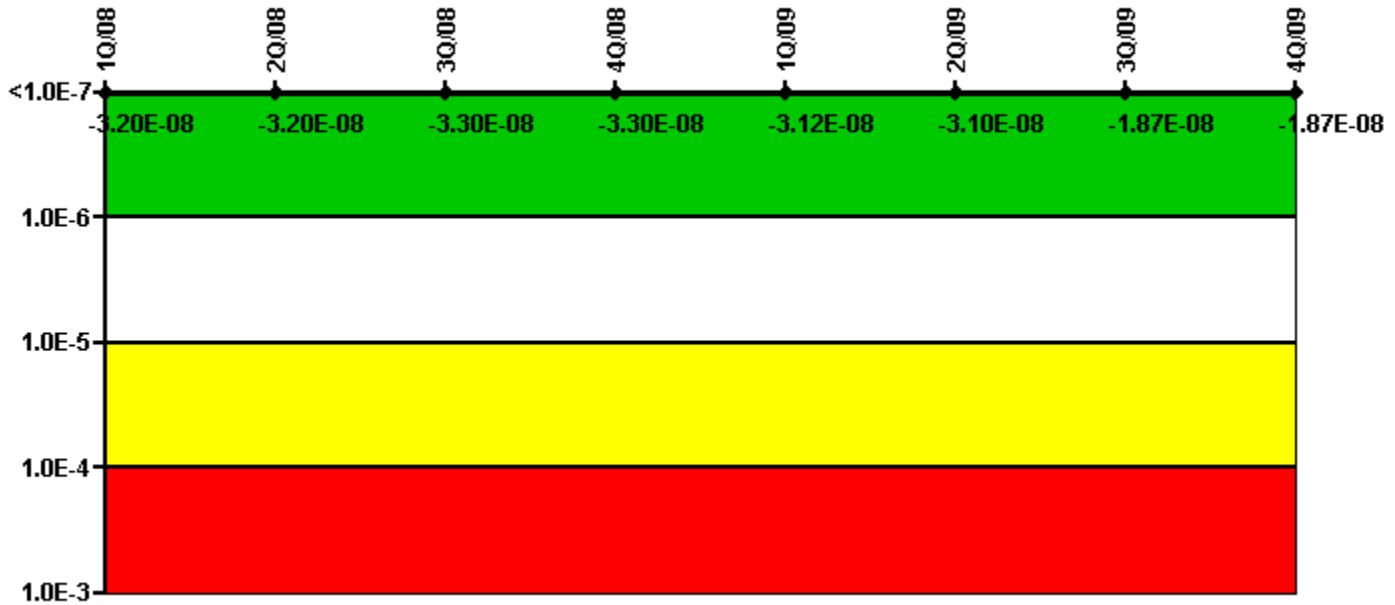
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-1.70E-08	-1.70E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.10E-08	-1.10E-08	-1.10E-08
URI (Δ CDF)	5.90E-08	-2.70E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.20E-08	-4.40E-08	-4.00E-08	-4.00E-08	-4.00E-08	-3.90E-08	-3.90E-08	-3.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



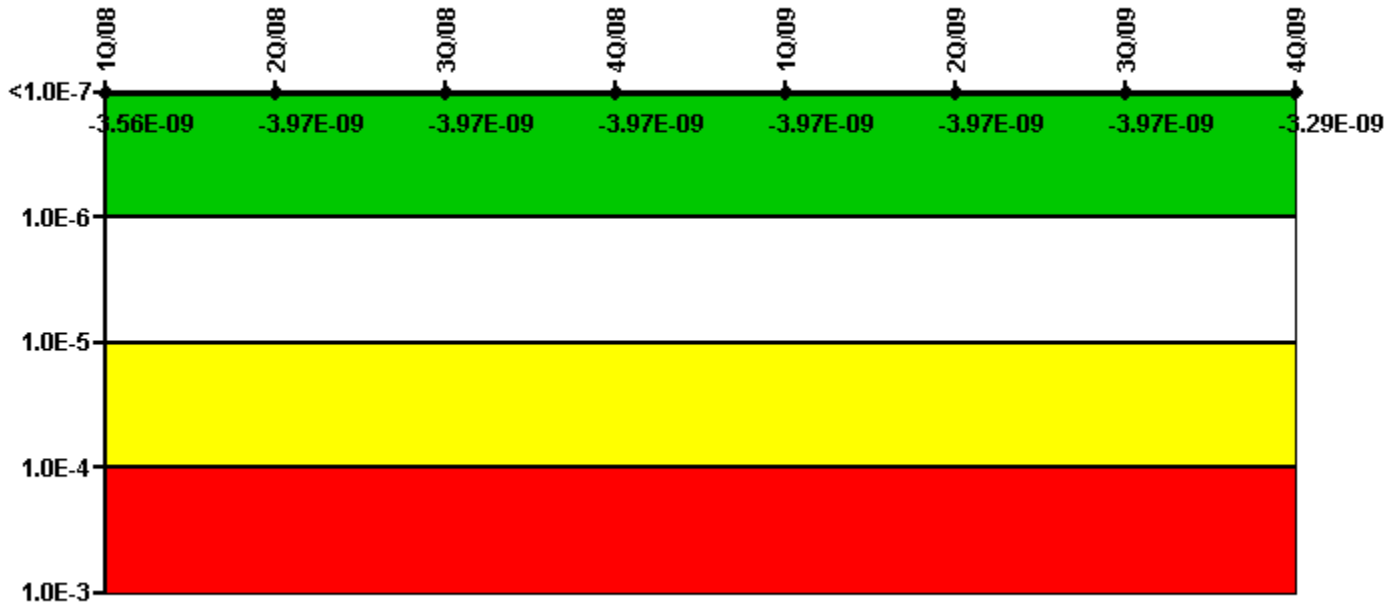
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-9.20E-09	-9.00E-09	3.30E-09	3.30E-09
URI (Δ CDF)	-2.10E-08	-2.10E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.20E-08	-3.20E-08	-3.30E-08	-3.30E-08	-3.12E-08	-3.10E-08	-1.87E-08	-1.87E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



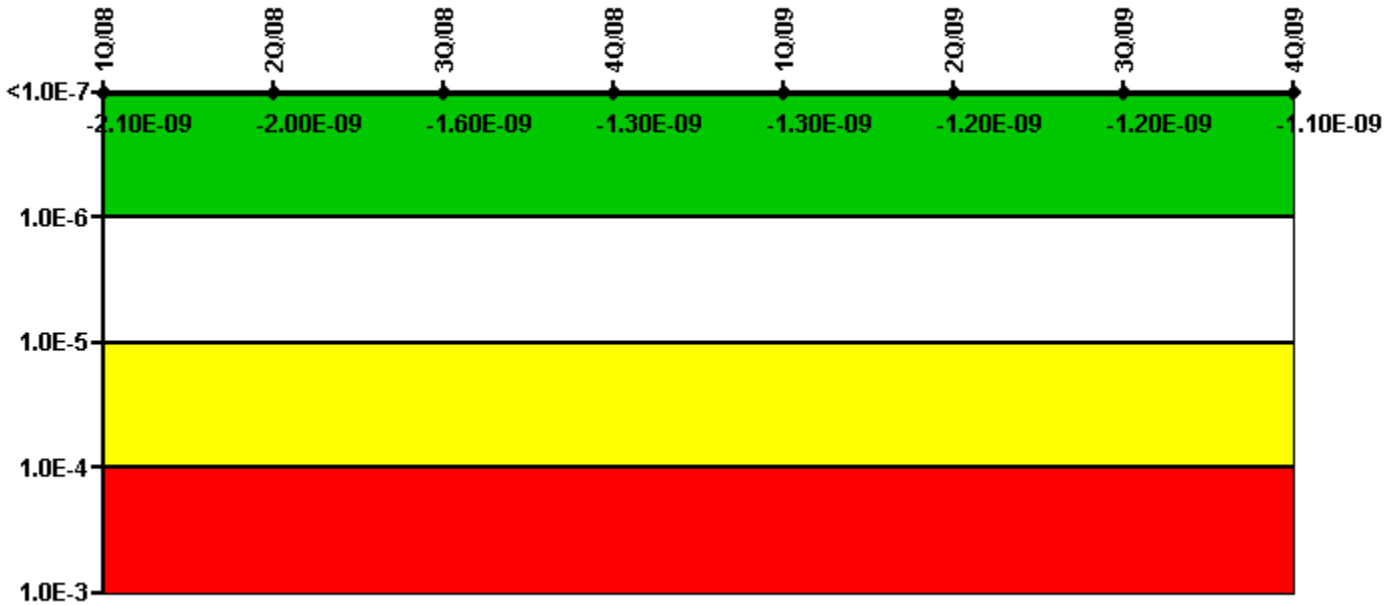
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	4.10E-11	-3.70E-10	-3.70E-10	-3.70E-10	-3.70E-10	-3.70E-10	-3.70E-10	3.10E-10
URI (Δ CDF)	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.56E-09	-3.97E-09	-3.97E-09	-3.97E-09	-3.97E-09	-3.97E-09	-3.97E-09	-3.29E-09

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

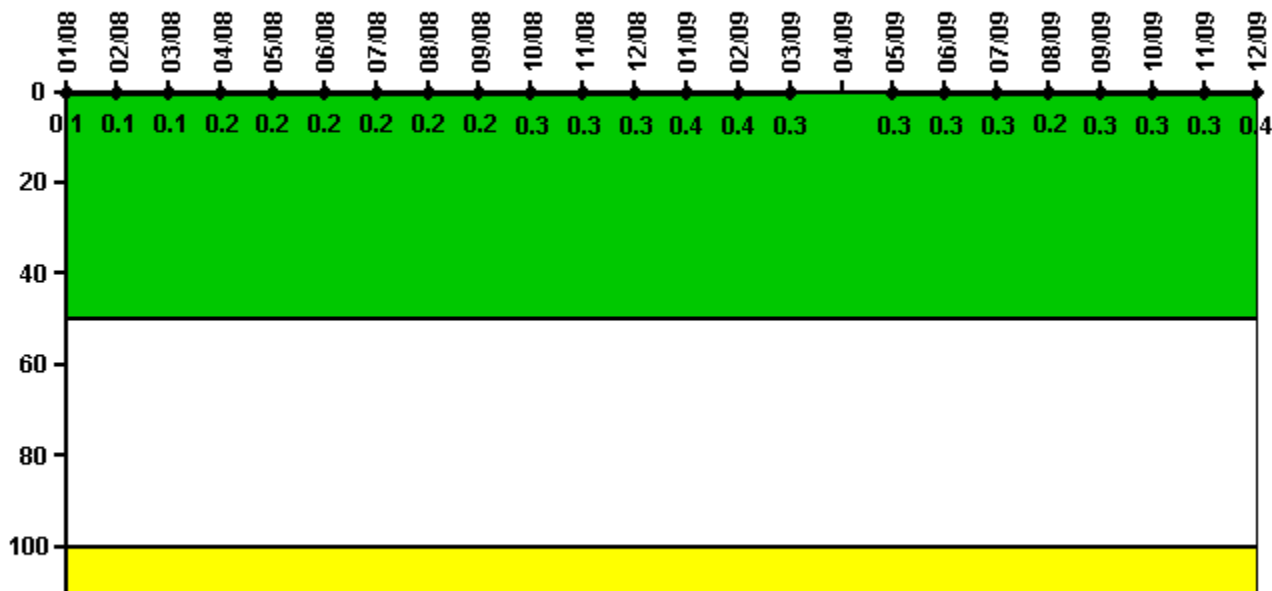
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-2.10E-09	-2.00E-09	-1.60E-09	-1.30E-09	-1.30E-09	-1.20E-09	-1.20E-09	-1.10E-09
URI (Δ CDF)	2.60E-12	2.60E-12	2.40E-12	2.40E-12	2.40E-12	2.40E-12	2.40E-12	2.40E-12
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.10E-09	-2.00E-09	-1.60E-09	-1.30E-09	-1.30E-09	-1.20E-09	-1.20E-09	-1.10E-09

Licensee Comments:

4Q/09: Reliability data edit for demand and run hours Sept 2008. No change to indicator color.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

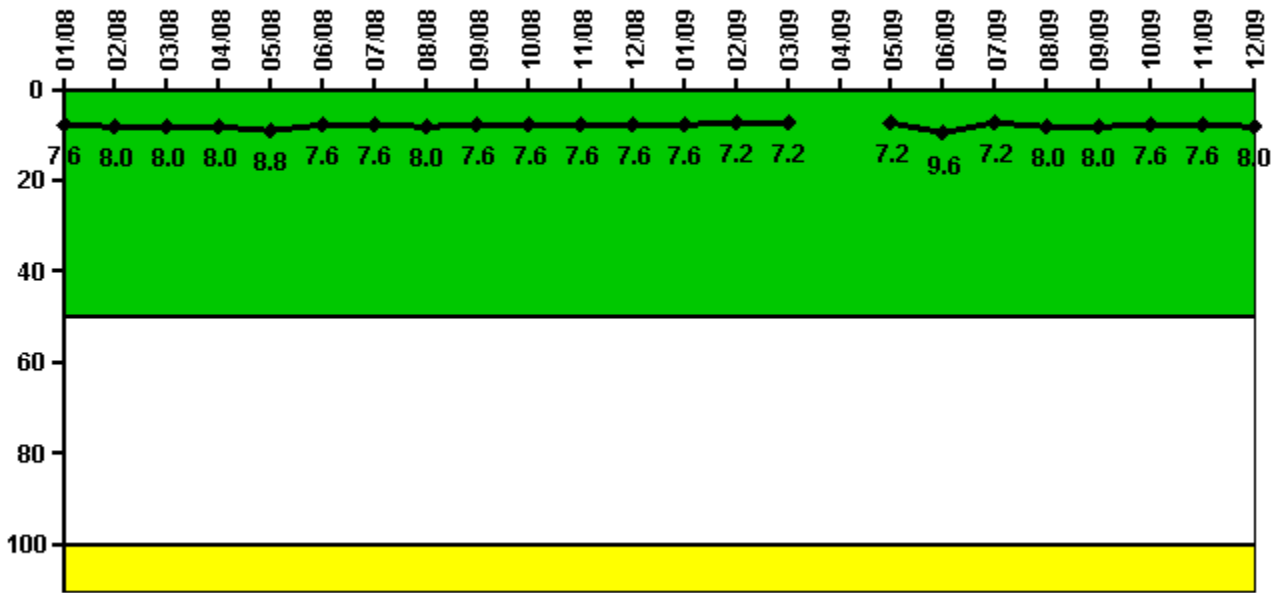
Notes

Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.000126	0.000156	0.000202	0.000331	0.000353	0.000384	0.000407	0.000434	0.000331	0.000502	0.000500	0.000657
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	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
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	0.000746	0.000754	0.000683	N/A	0.000635	0.000577	0.000539	0.000469	0.000529	0.000599	0.000519	0.000758
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	0.4	0.4	0.3	N/A	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.4

Licensee Comments:

12/09: I-131 was used instead of I-131 DEI for Feb 2008. No impact on indicator color.

Reactor Coolant System Leakage



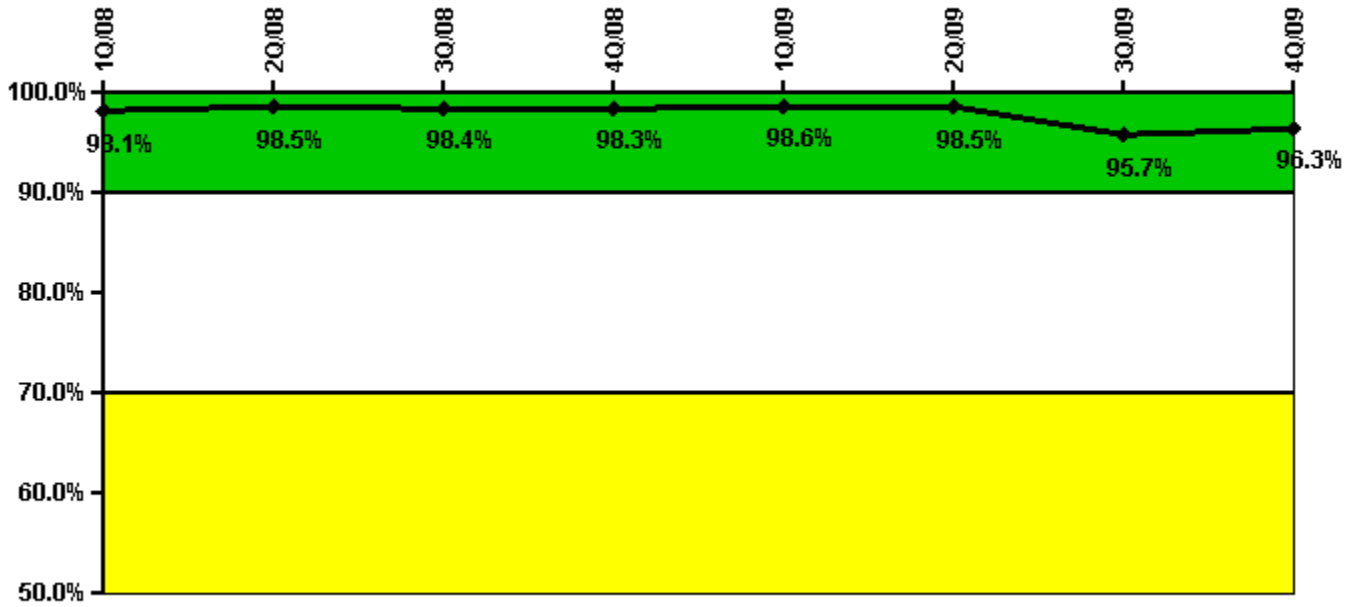
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	1.900	2.000	2.000	2.000	2.200	1.900	1.900	2.000	1.900	1.900	1.900	1.900
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	7.6	8.0	8.0	8.0	8.8	7.6	7.6	8.0	7.6	7.6	7.6	7.6
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	1.900	1.800	1.800	N/A	1.800	2.400	1.800	2.000	2.000	1.900	1.900	2.000
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	7.6	7.2	7.2	N/A	7.2	9.6	7.2	8.0	8.0	7.6	7.6	8.0

Licensee Comments: none

Drill/Exercise Performance



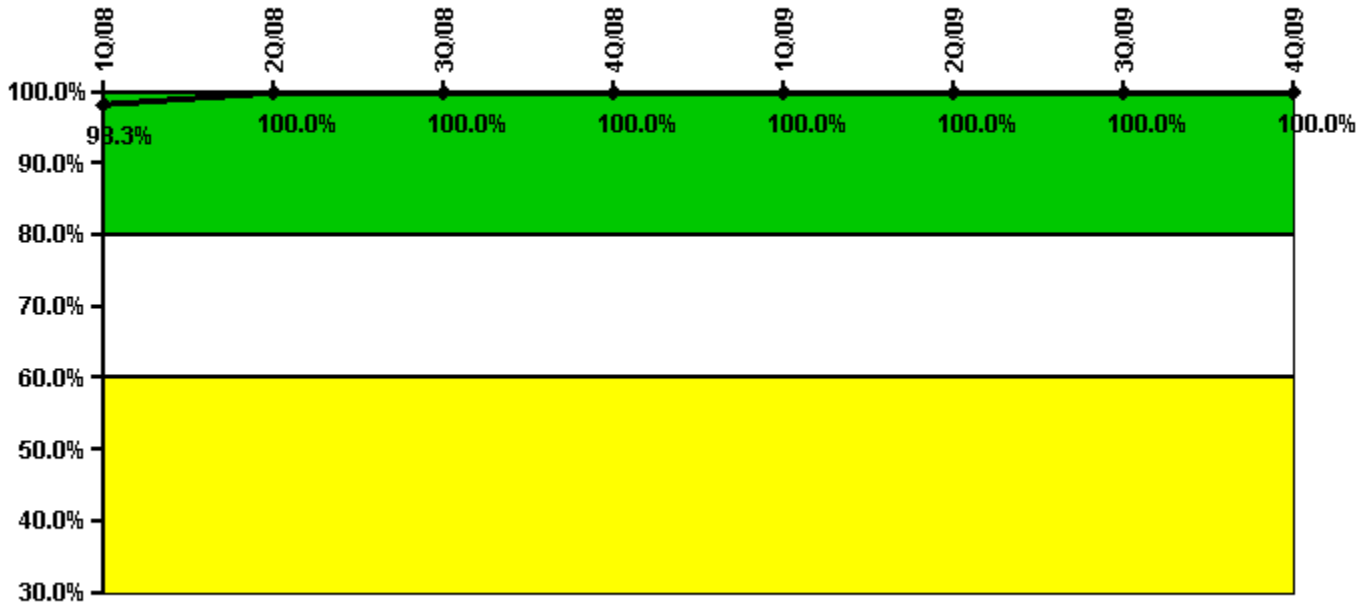
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	59.0	29.0	39.0	25.0	19.0	18.0	39.0	29.0
Total opportunities	59.0	29.0	39.0	26.0	19.0	18.0	47.0	30.0
Indicator value	98.1%	98.5%	98.4%	98.3%	98.6%	98.5%	95.7%	96.3%

Licensee Comments: none

ERO Drill Participation



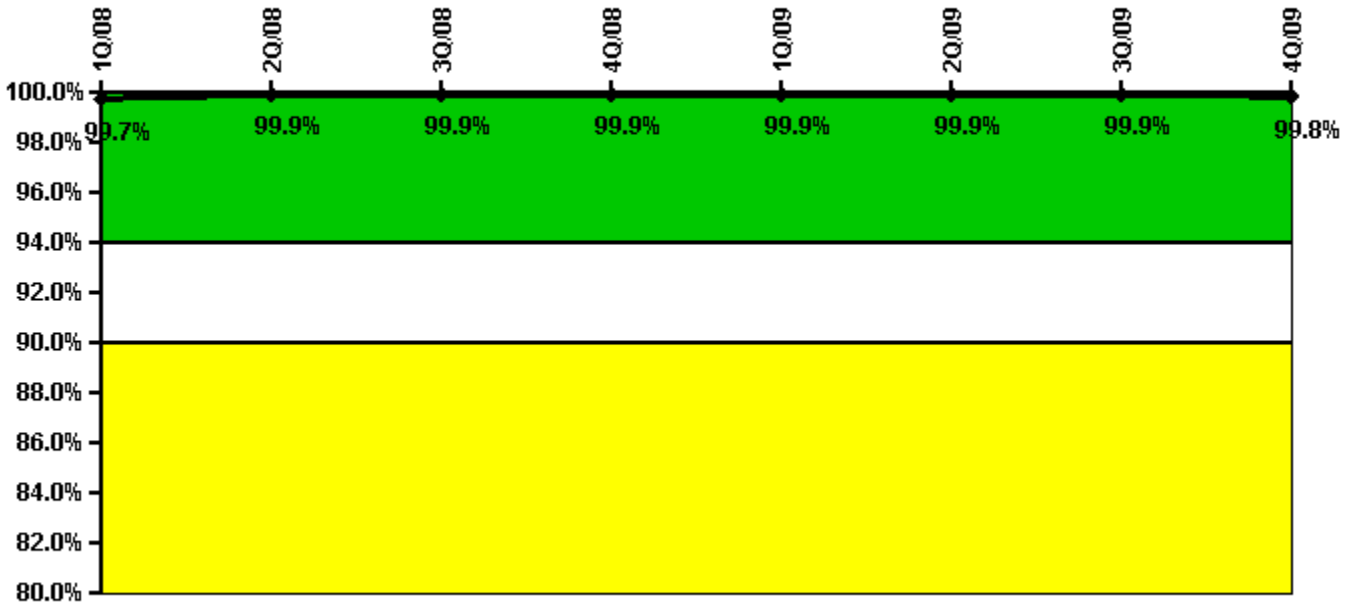
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	115.0	113.0	112.0	123.0	118.0	118.0	143.0	144.0
Total Key personnel	117.0	113.0	112.0	123.0	118.0	118.0	143.0	144.0
Indicator value	98.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



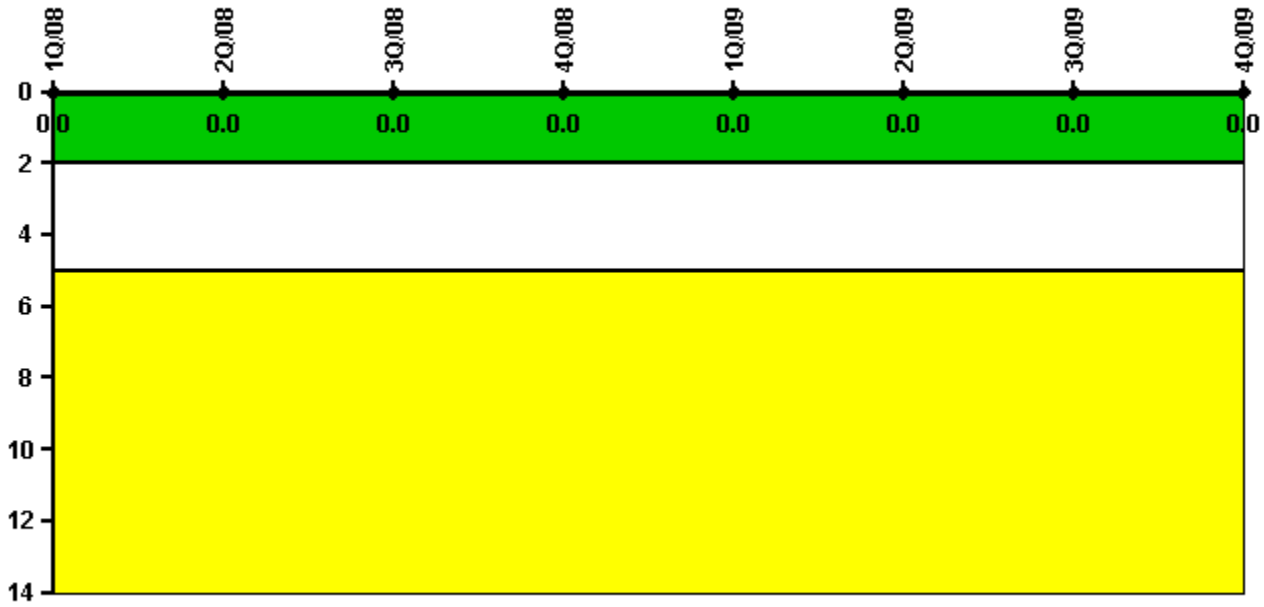
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	1377	1376	1377	1483	1268	1377	1482	1373
Total sirens-tests	1378	1378	1378	1484	1272	1378	1484	1378
Indicator value	99.7%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



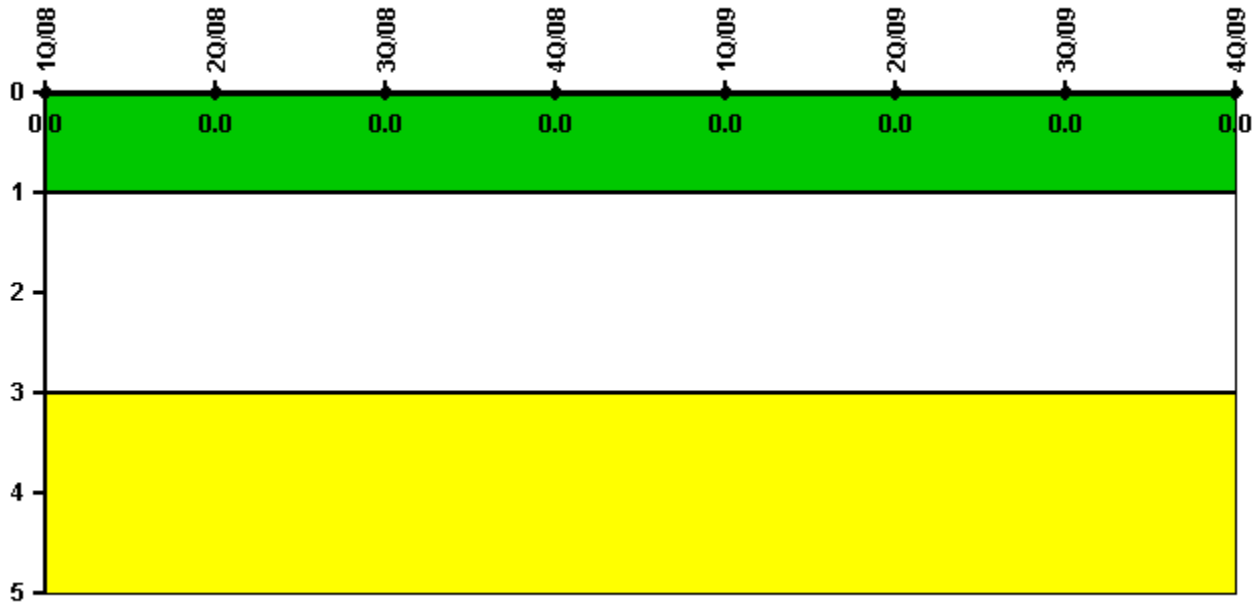
Thresholds: White > 2.0 Yellow > 5.0

Notes

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