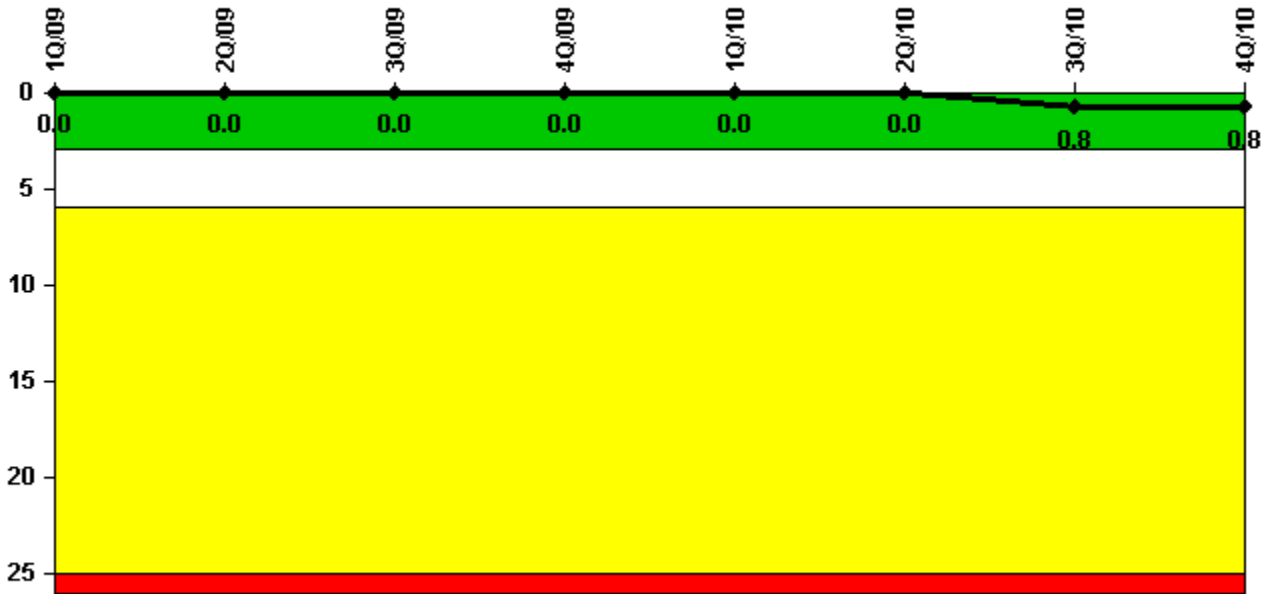


Quad Cities 1

4Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



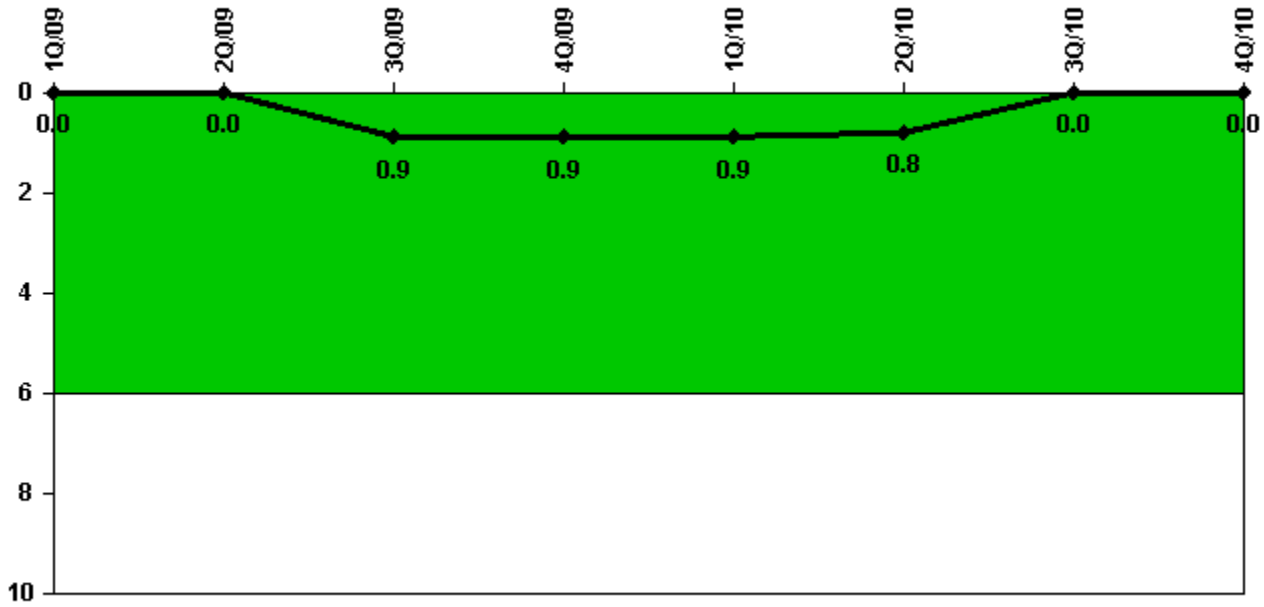
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	1.0	0
Critical hours	2159.0	1439.0	2145.4	2209.0	2159.0	2184.0	2154.3	2209.0
Indicator value	0	0	0	0	0	0	0.8	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



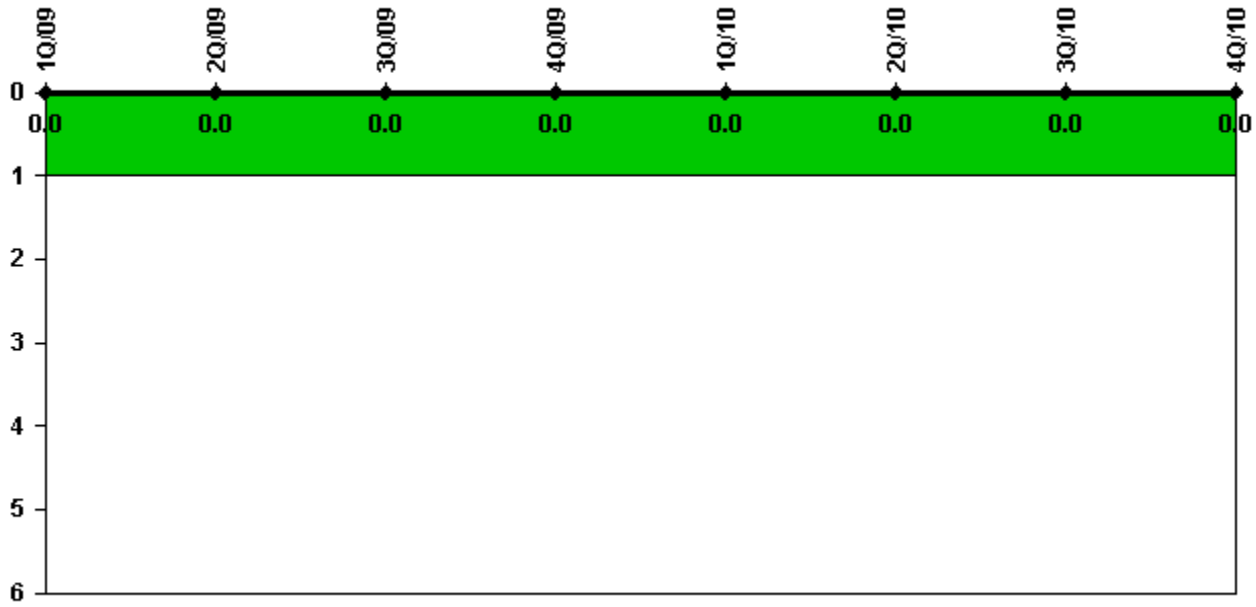
Thresholds: White > 6.0

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	0	0	0	0	0
Critical hours	2159.0	1439.0	2145.4	2209.0	2159.0	2184.0	2154.3	2209.0
Indicator value	0	0	0.9	0.9	0.9	0.8	0	0

Licensee Comments: none

Unplanned Scrams with Complications



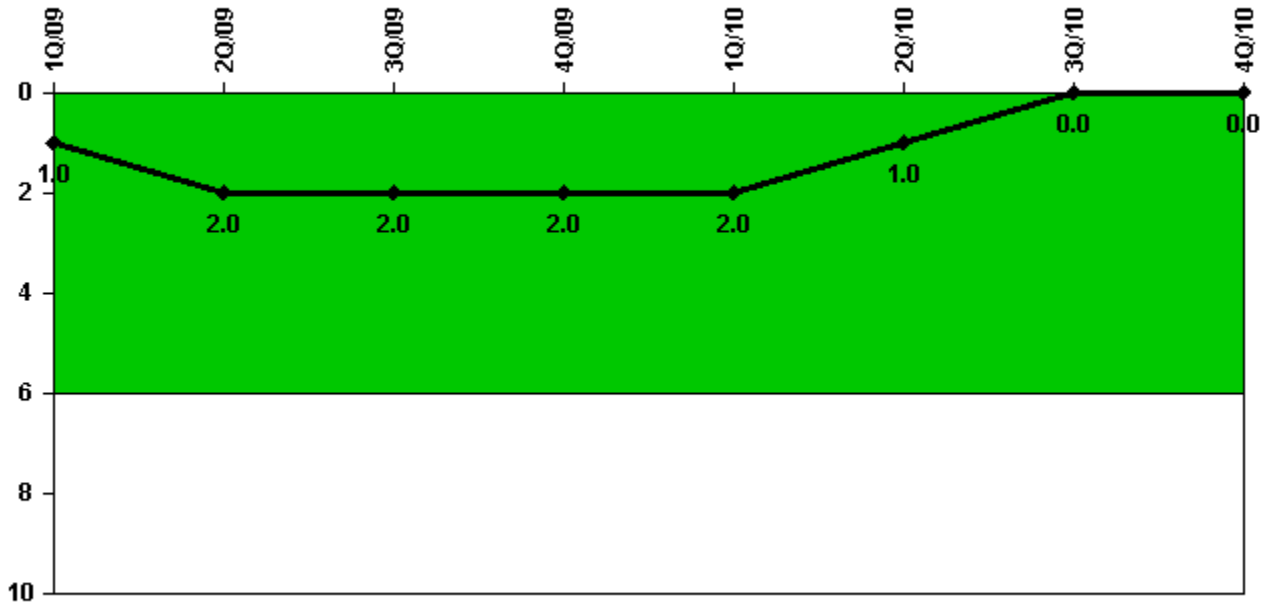
Thresholds: White > 1.0

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)



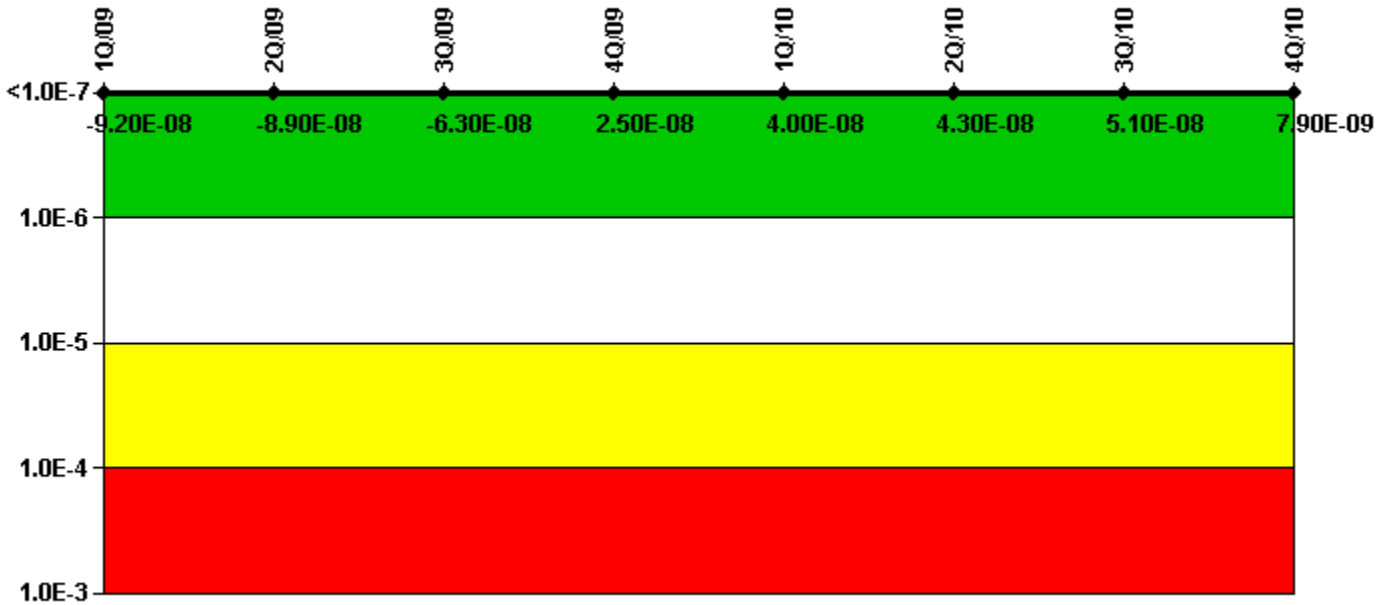
Thresholds: White > 6.0

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	1	1	0	0	0	0	0
Indicator value	1	2	2	2	2	1	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



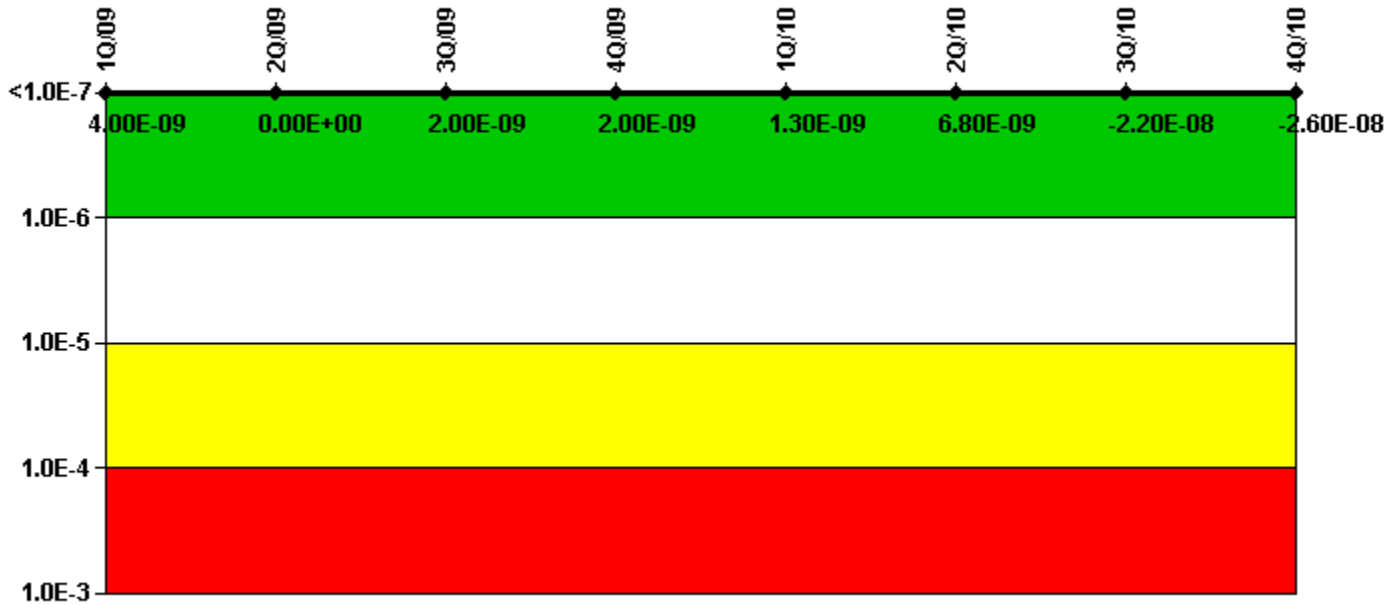
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	6.80E-08	7.10E-08	9.70E-08	9.60E-08	1.07E-07	1.07E-07	1.16E-07	1.21E-07
URI (Δ CDF)	-1.60E-07	-1.60E-07	-1.60E-07	-7.10E-08	-6.71E-08	-6.45E-08	-6.52E-08	-1.13E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.20E-08	-8.90E-08	-6.30E-08	2.50E-08	4.00E-08	4.30E-08	5.10E-08	7.90E-09

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



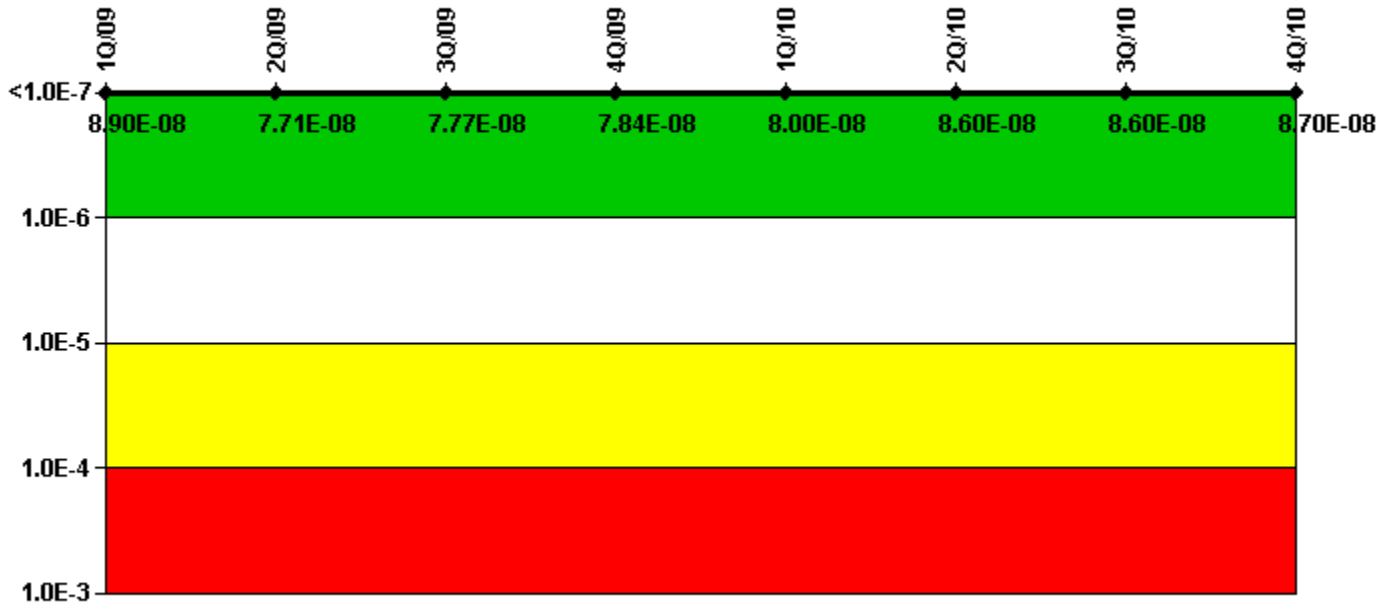
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	3.80E-08	3.90E-08	4.20E-08	4.20E-08	4.16E-08	4.42E-08	1.57E-08	1.17E-08
URI (Δ CDF)	-3.40E-08	-3.90E-08	-4.00E-08	-4.00E-08	-4.03E-08	-3.74E-08	-3.74E-08	-3.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.00E-09	0.00E+00	2.00E-09	2.00E-09	1.30E-09	6.80E-09	-2.20E-08	-2.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



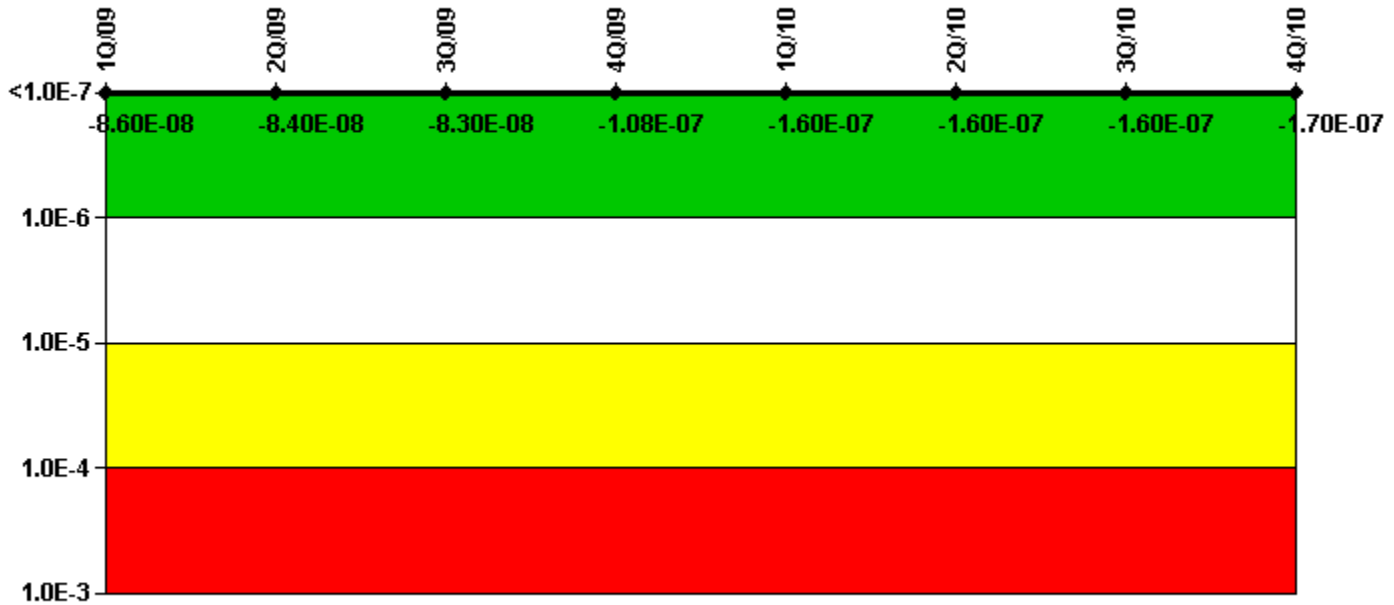
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-1.00E-08	-4.90E-09	-4.30E-09	-3.60E-09	-1.90E-09	-2.39E-09	-5.53E-09	-5.30E-09
URI (Δ CDF)	9.90E-08	8.20E-08	8.20E-08	8.20E-08	8.24E-08	8.86E-08	9.19E-08	9.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.90E-08	7.71E-08	7.77E-08	7.84E-08	8.00E-08	8.60E-08	8.60E-08	8.70E-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

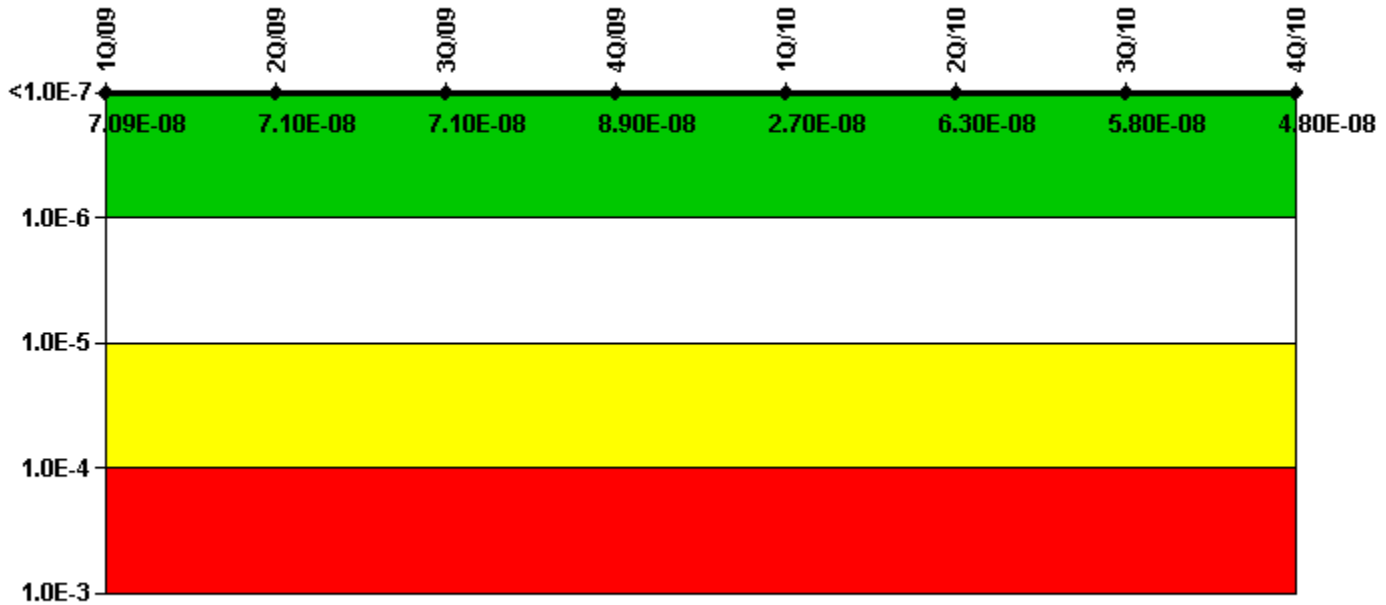
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	1.10E-08	1.30E-08	1.40E-08	-1.10E-08	-5.90E-08	-5.47E-08	-5.18E-08	-6.11E-08
URI (Δ CDF)	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-1.00E-07	-1.04E-07	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.60E-08	-8.40E-08	-8.30E-08	-1.08E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.70E-07

Licensee Comments:

4Q/10: Changed PRA Parameter(s). A periodic revision to the PRA model resulted in revised values for FVURC and URPC.

Mitigating Systems Performance Index, Cooling Water Systems



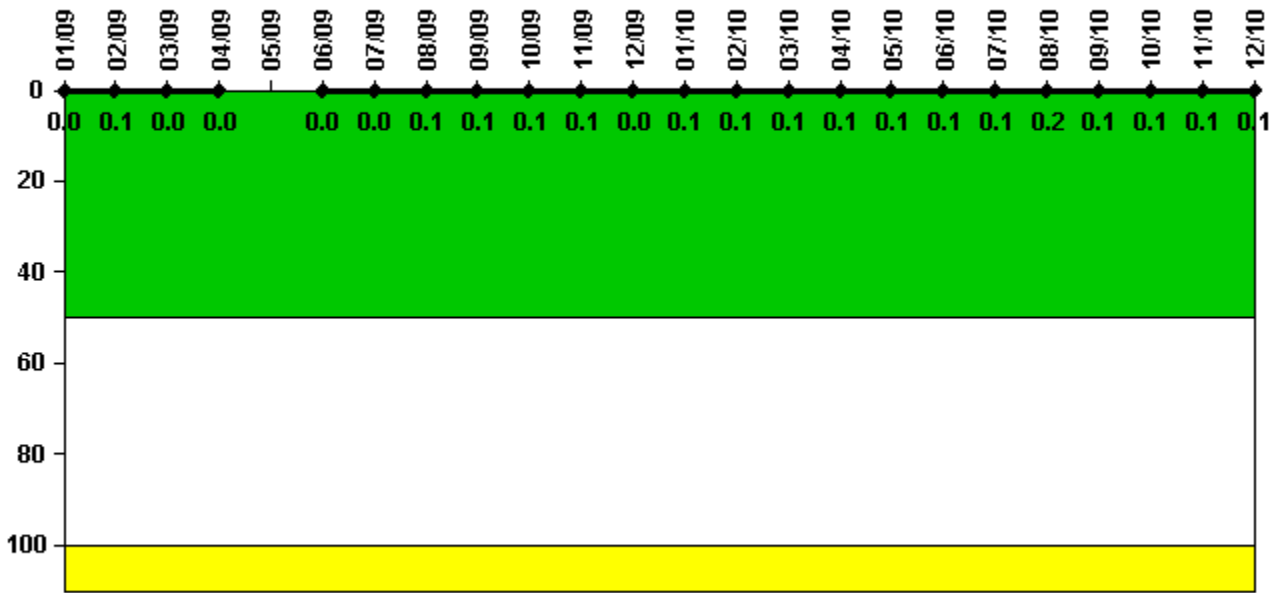
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	6.90E-08	7.20E-08	7.20E-08	9.00E-08	2.76E-08	6.40E-08	5.91E-08	4.87E-08
URI (Δ CDF)	1.90E-09	-9.60E-10	-9.60E-10	-9.60E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.09E-08	7.10E-08	7.10E-08	8.90E-08	2.70E-08	6.30E-08	5.80E-08	4.80E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

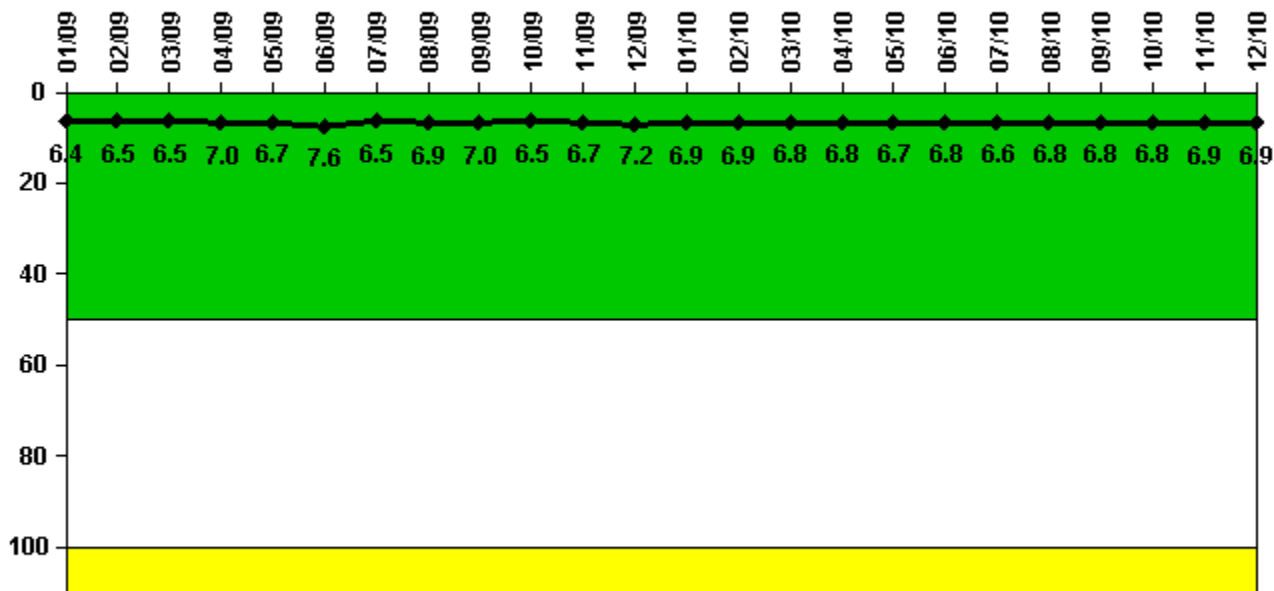
Notes

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	0.000035	0.000145	0.000040	0.000041	N/A	0.000060	0.000086	0.000107	0.000107	0.000138	0.000105	0.000097
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	0.1	0	0	N/A	0	0	0.1	0.1	0.1	0.1	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	0.000107	0.000116	0.000108	0.000164	0.000161	0.000223	0.000242	0.000327	0.000222	0.000198	0.000240	0.000222
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	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



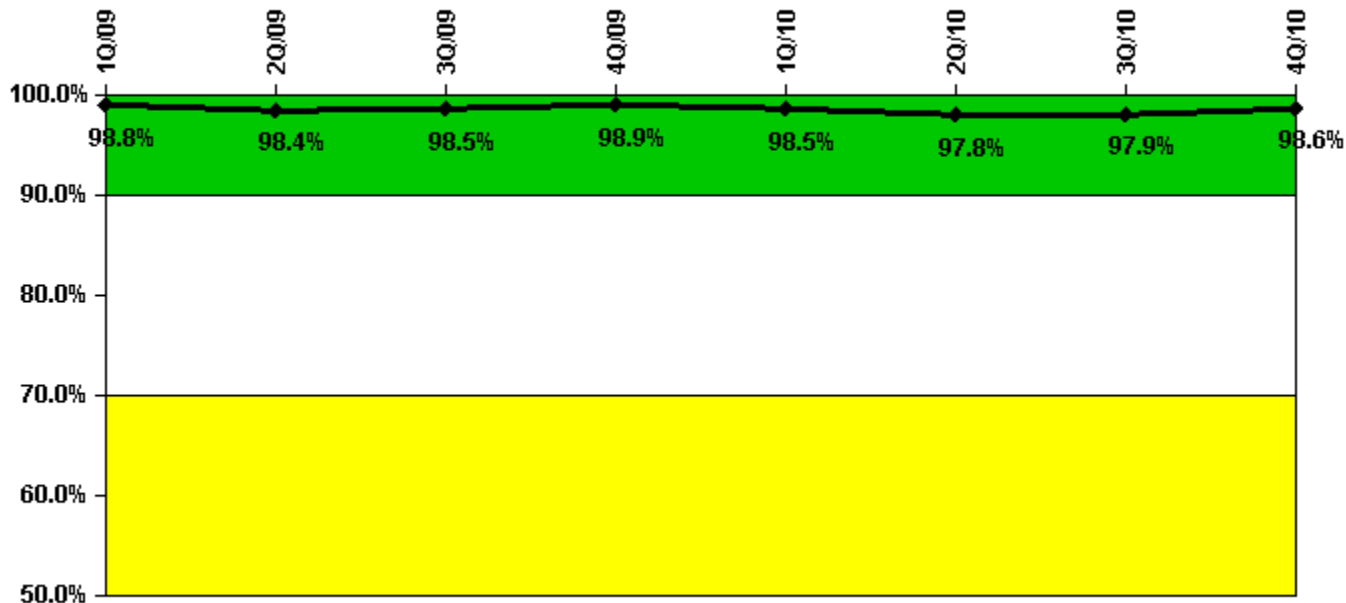
Thresholds: White > 50.0 Yellow > 100.0

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	1.610	1.630	1.620	1.740	1.670	1.910	1.630	1.720	1.760	1.630	1.670	1.810
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	6.4	6.5	6.5	7.0	6.7	7.6	6.5	6.9	7.0	6.5	6.7	7.2
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	1.730	1.730	1.710	1.690	1.680	1.690	1.644	1.691	1.703	1.702	1.722	1.729
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	6.9	6.9	6.8	6.8	6.7	6.8	6.6	6.8	6.8	6.8	6.9	6.9

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

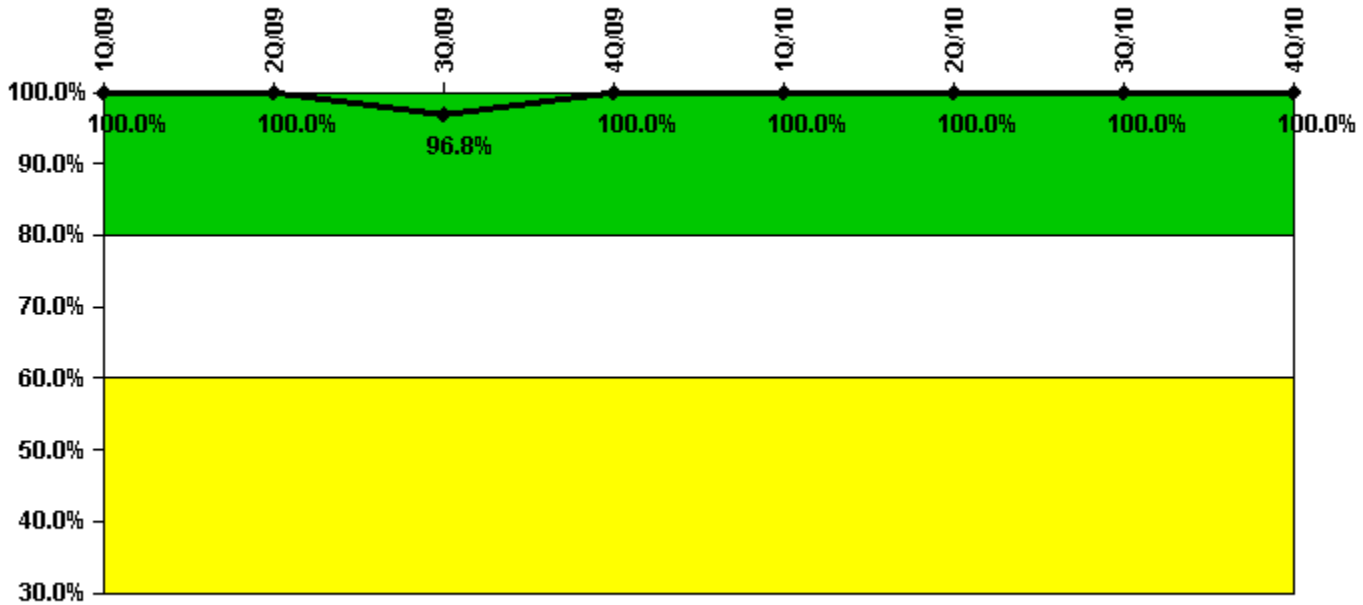
Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	15.0	11.0	70.0	42.0	17.0	44.0	37.0	39.0
Total opportunities	15.0	12.0	70.0	42.0	18.0	46.0	37.0	39.0
Indicator value	98.8%	98.4%	98.5%	98.9%	98.5%	97.8%	97.9%	98.6%

Licensee Comments:

3Q/10: Revised to reduce the number of opportunities following internal review of the data.

2Q/10: DEP Opportunities that were originally credited in April were changed to be credited in May as a correction. Additional change to reduce the number of opportunities following internal review of the data.

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	69.0	68.0	61.0	64.0	61.0	66.0	69.0	70.0
Total Key personnel	69.0	68.0	63.0	64.0	61.0	66.0	69.0	70.0
Indicator value	100.0%	100.0%	96.8%	100.0%	100.0%	100.0%	100.0%	100.0%

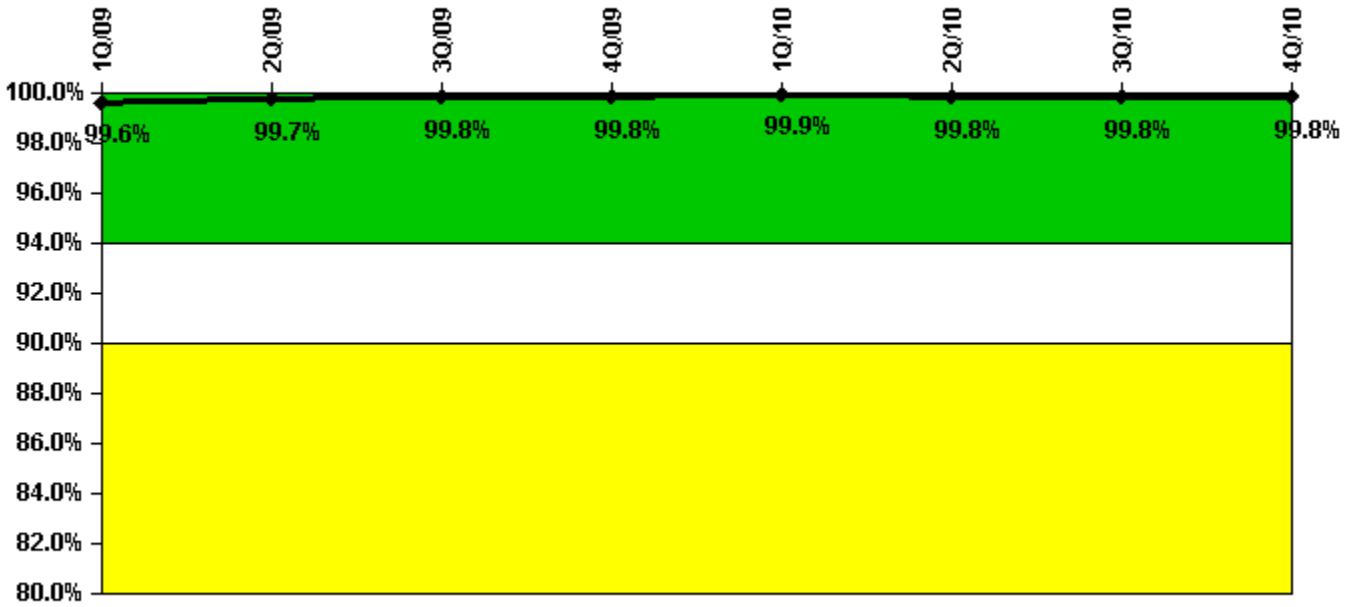
Licensee Comments:

3Q/10: Revised to correct data errors found during an internal review of data.

2Q/10: Revised to correct data errors found during an internal review of data.

1Q/10: Revised to correct data errors found during an internal review of data.

Alert & Notification System



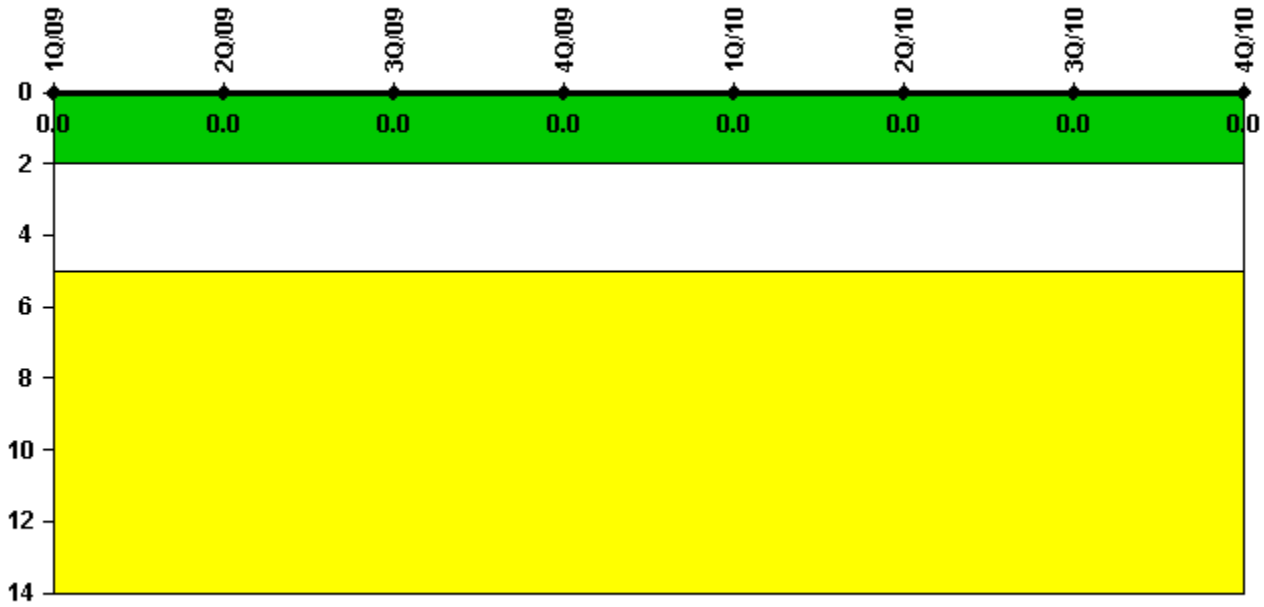
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	3269	3325	3372	3326	2643	2675	2723	2728
Total sirens-tests	3276	3328	3380	3328	2646	2688	2730	2730
Indicator value	99.6%	99.7%	99.8%	99.8%	99.9%	99.8%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



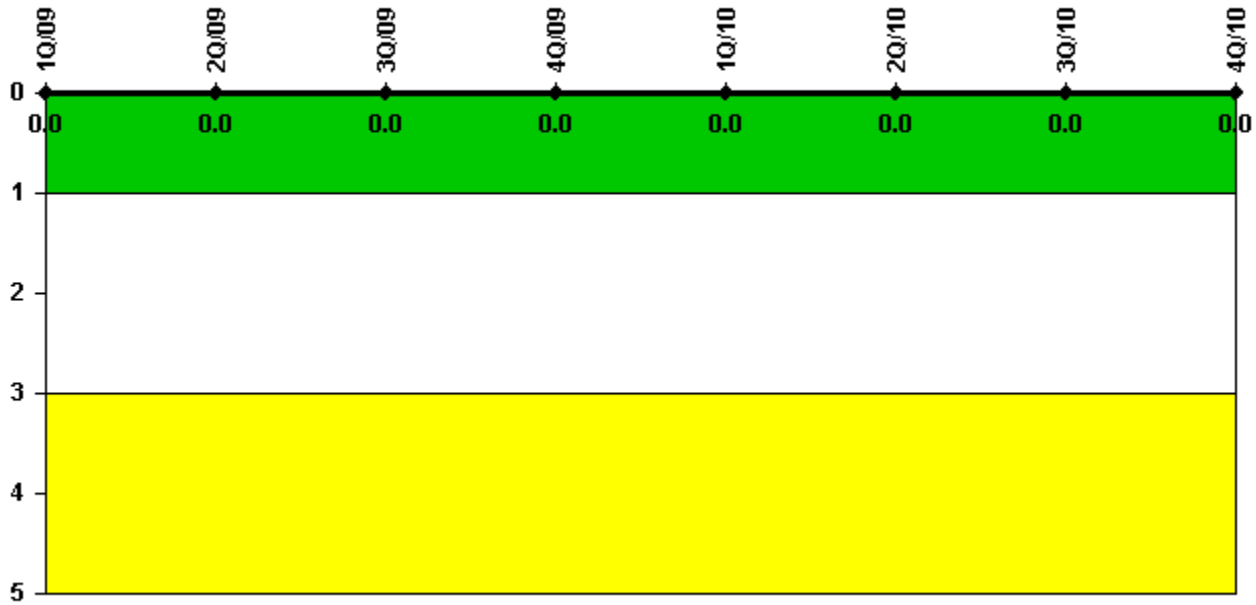
Thresholds: White > 2.0 Yellow > 5.0

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
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/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.