

Monticello

2Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



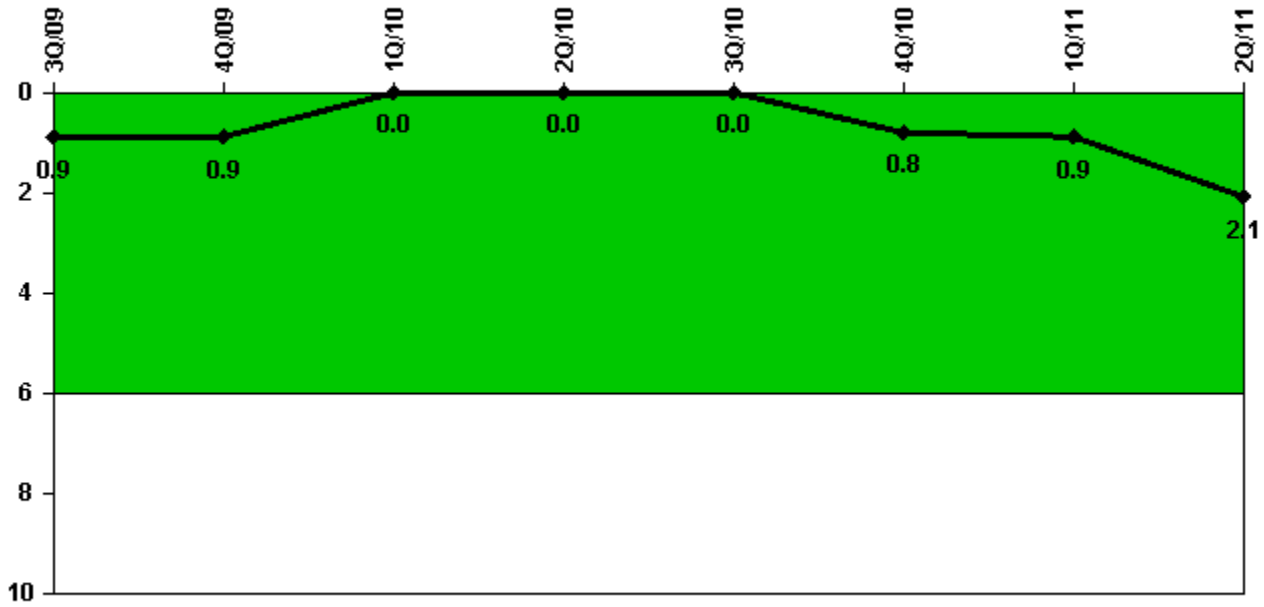
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	2079.9	1514.7	888.5
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



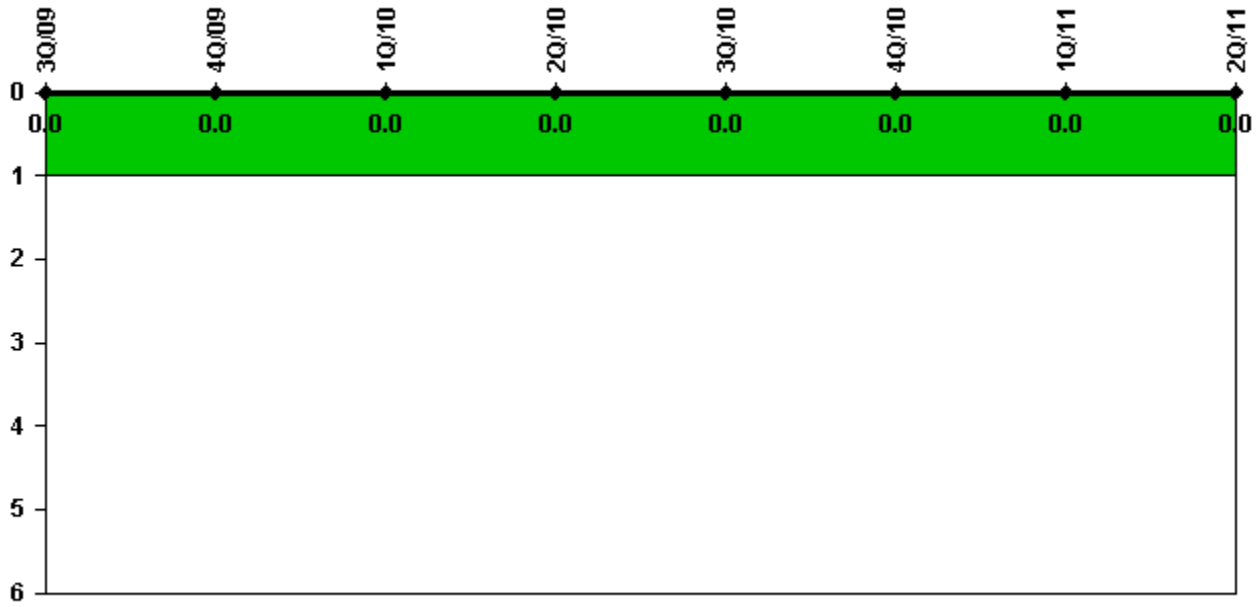
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	0	0	0	0	1.0	0	1.0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	2079.9	1514.7	888.5
Indicator value	0.9	0.9	0	0	0	0.8	0.9	2.1

Licensee Comments: none

Unplanned Scrams with Complications



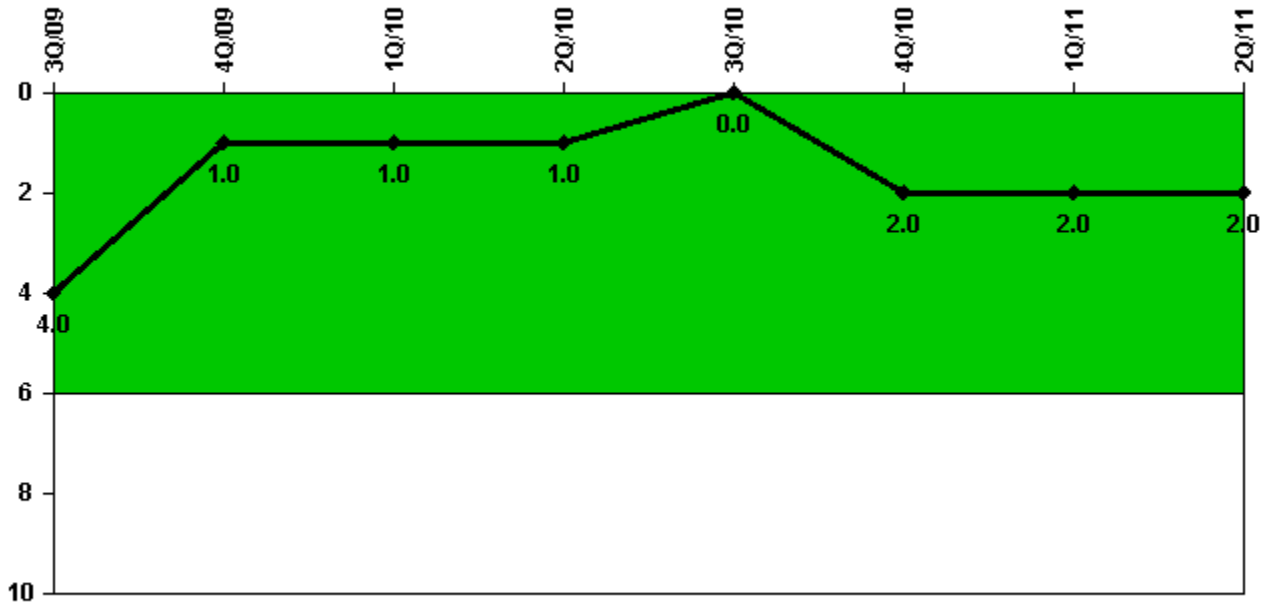
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
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

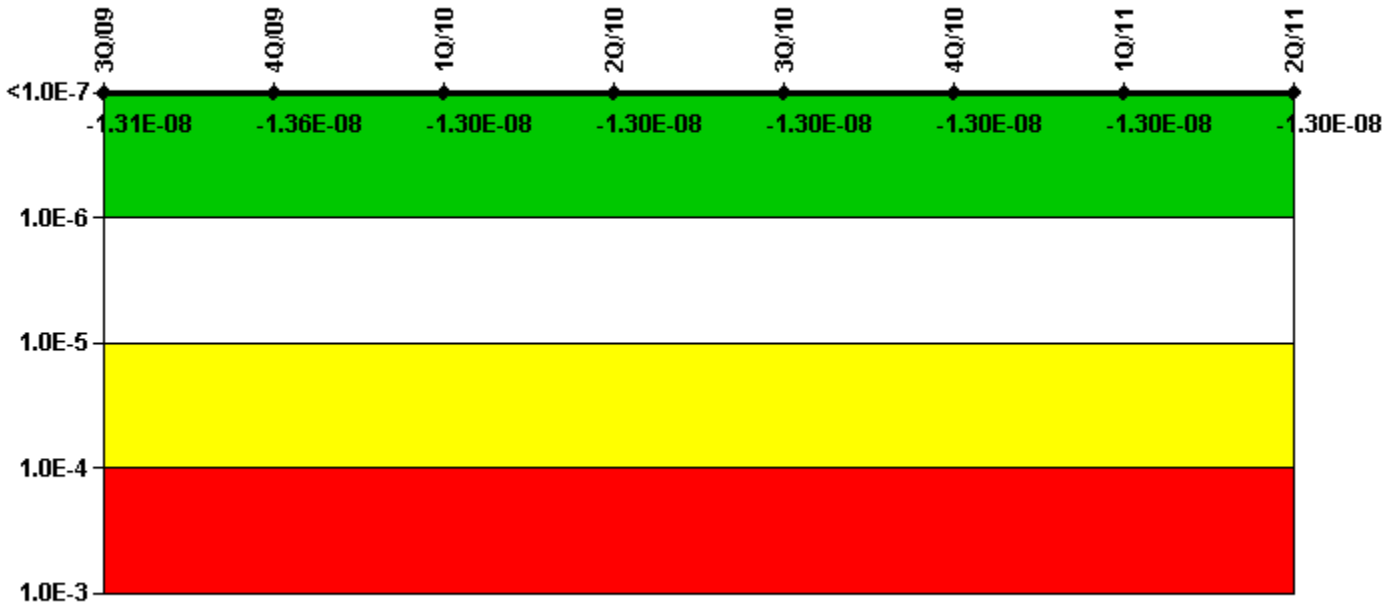
Safety System Functional Failures (BWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	1	0	0	0	0	2	0	0
Indicator value	4	1	1	1	0	2	2	2

Licensee Comments:

4Q/10: LER 2010-003, LER 2010-004, LER 2010-006. LER 2010-003 was previously submitted as a SSFF. A subsequent Secondary Containment Capability test -performed and evaluation confirmed that the Standby Gas Treatment system remained capable of performing its safety function in the plant configuration that existed on August 5, 2010, including consideration for penetrations that were or may have been open at the time. LER 2010-003, Supplement 1 was submitted to NRC on June 13, 2011. No color change affected.

3Q/10: LER 2010-002. This LER was previously submitted as a SSFF. A subsequent Secondary Containment Capability test performed and evaluation confirmed that the Standby Gas Treatment system remained capable of performing its safety function in the plant configuration that existed on June 30, 2010, including consideration for penetrations that were or may have been open at the time. LER 2010-002, Supplement 1 was submitted to NRC on June 13, 2011. No color change affected.

Mitigating Systems Performance Index, Emergency AC Power System



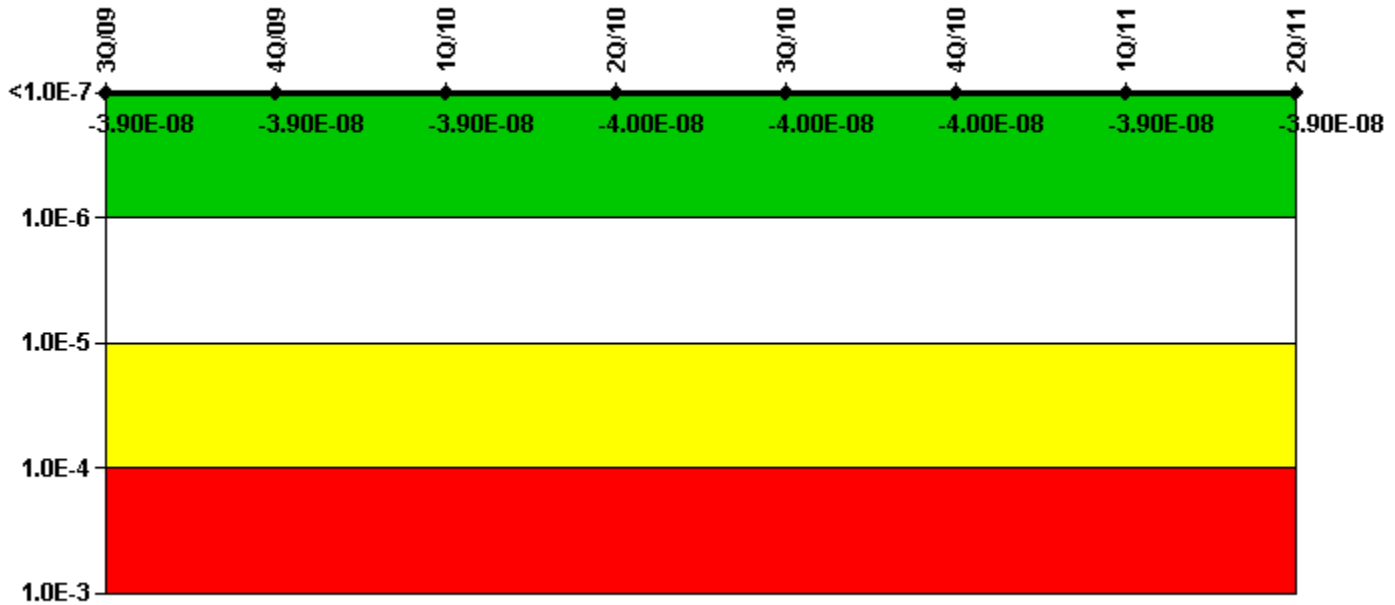
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-1.10E-09	-1.60E-09	-1.58E-09	-1.58E-09	-1.58E-09	-1.58E-09	-1.58E-09	-1.58E-09
URI (Δ CDF)	-1.20E-08	-1.20E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.31E-08	-1.36E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



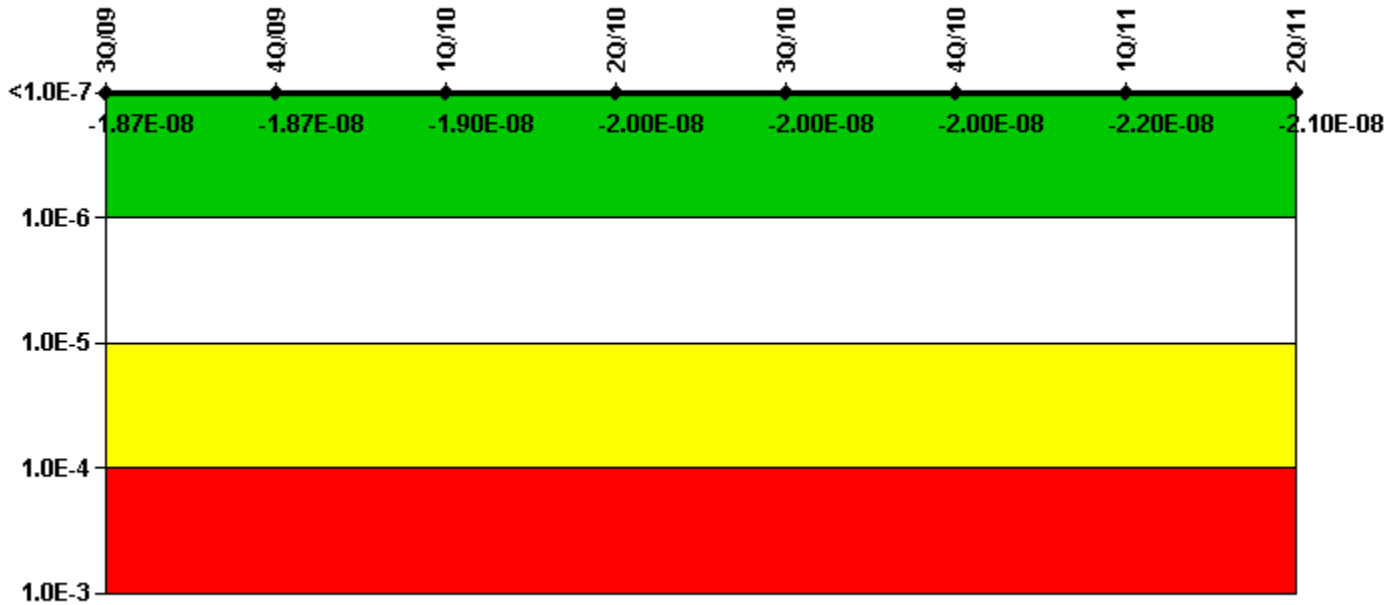
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-1.10E-08	-1.10E-08	-1.16E-08	-1.18E-08	-1.18E-08	-1.17E-08	-1.16E-08	-1.13E-08
URI (Δ CDF)	-2.80E-08	-2.80E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.90E-08	-3.90E-08	-3.90E-08	-4.00E-08	-4.00E-08	-4.00E-08	-3.90E-08	-3.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



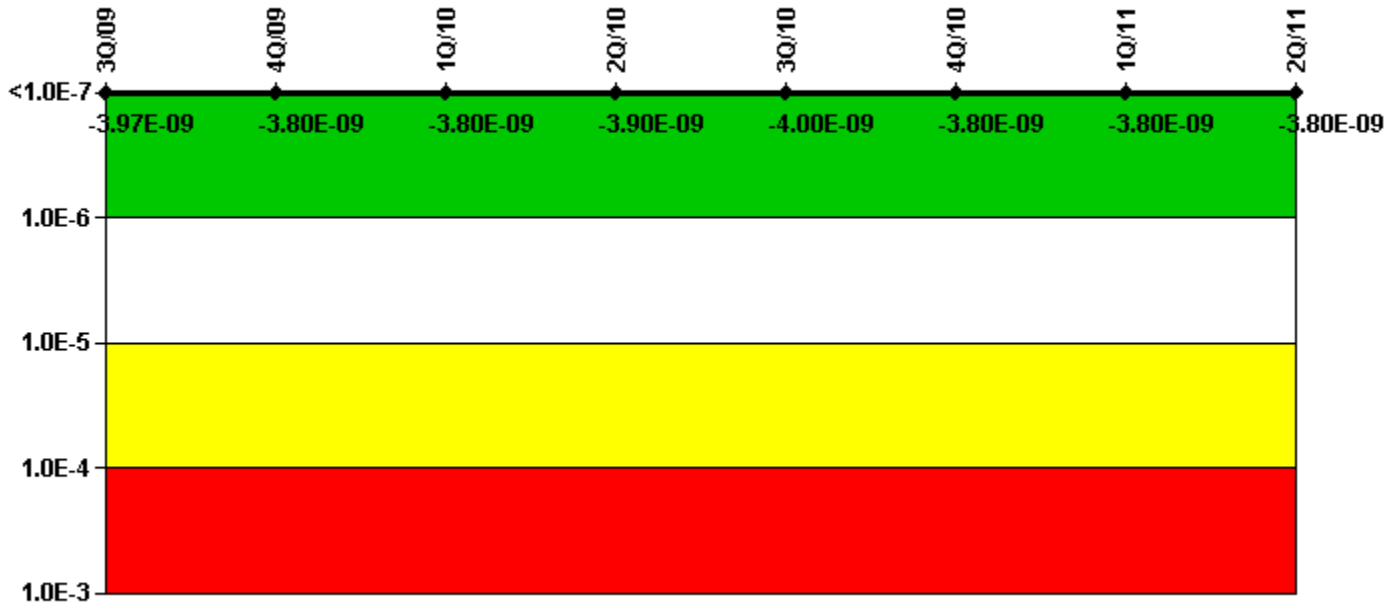
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	3.30E-09	3.30E-09	2.76E-09	2.34E-09	2.34E-09	2.43E-09	-2.66E-10	5.44E-10
URI (Δ CDF)	-2.20E-08	-2.20E-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	-1.87E-08	-1.87E-08	-1.90E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.20E-08	-2.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



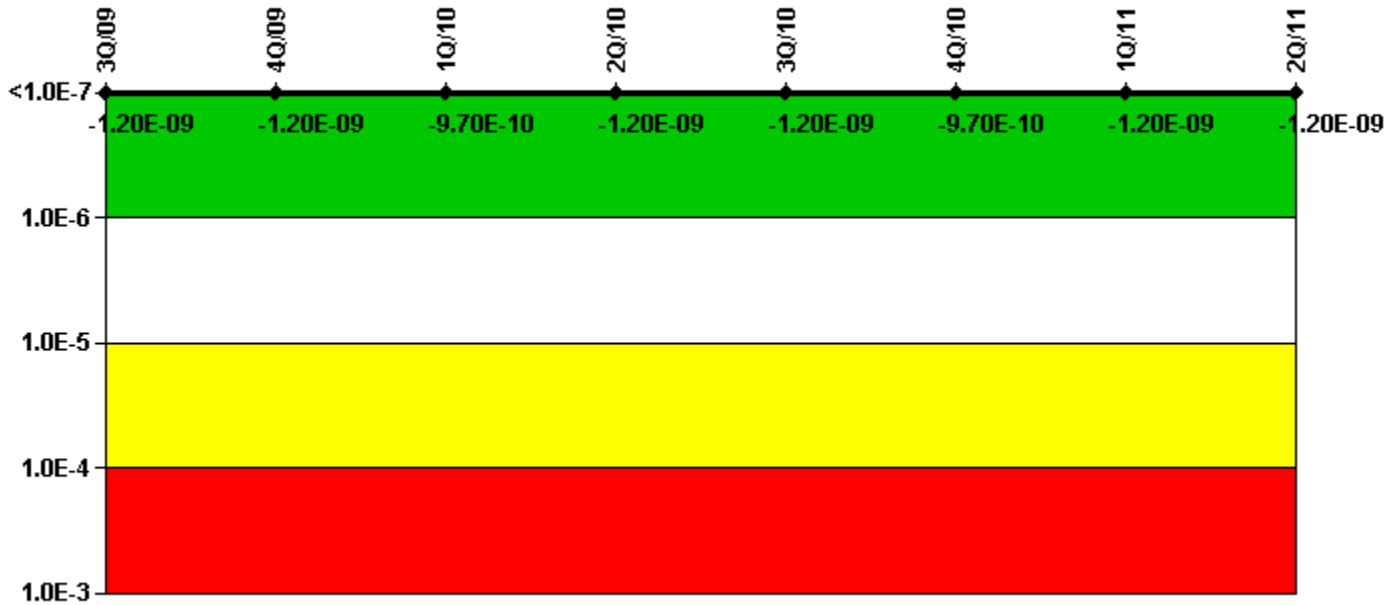
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-3.70E-10	-1.76E-10	-2.01E-10	-2.61E-10	-3.06E-10	-1.61E-10	-1.89E-10	-1.56E-10
URI (Δ CDF)	-3.60E-09	-3.65E-09	-3.65E-09	-3.65E-09	-3.65E-09	-3.65E-09	-3.65E-09	-3.65E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.97E-09	-3.80E-09	-3.80E-09	-3.90E-09	-4.00E-09	-3.80E-09	-3.80E-09	-3.80E-09

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



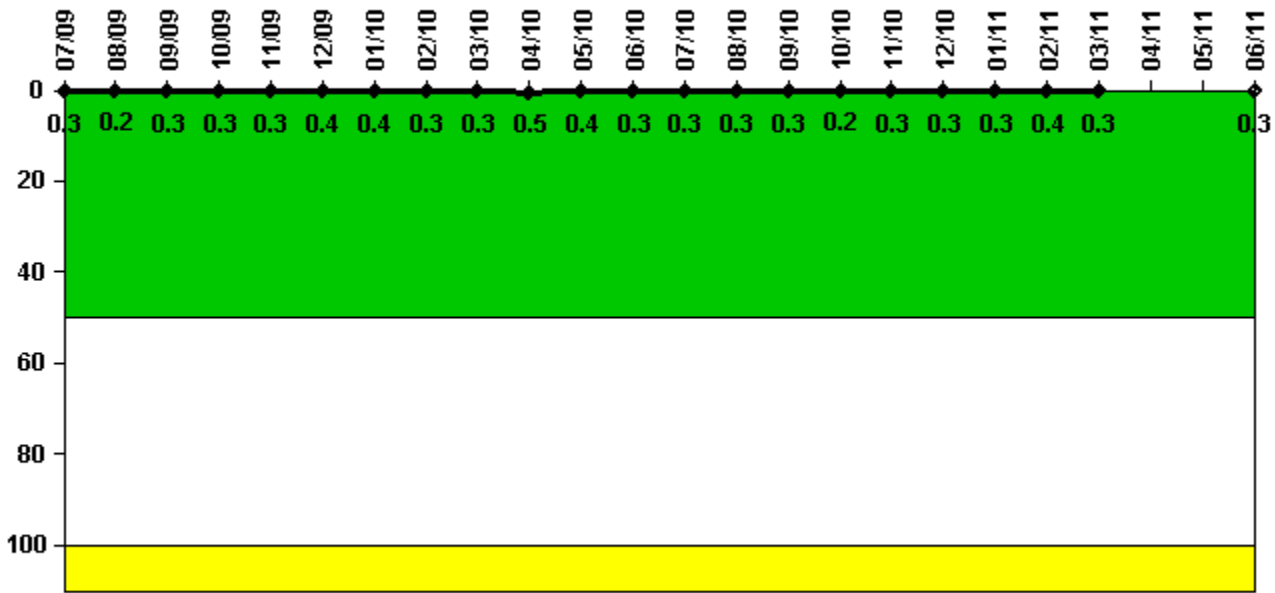
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-1.22E-09	-1.16E-09	-9.71E-10	-1.18E-09	-1.18E-09	-9.73E-10	-1.18E-09	-1.19E-09
URI (Δ CDF)	2.39E-12	2.39E-12	2.39E-12	2.39E-12	2.39E-12	2.39E-12	-1.25E-11	-1.25E-11
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-09	-1.20E-09	-9.70E-10	-1.20E-09	-1.20E-09	-9.70E-10	-1.20E-09	-1.20E-09

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

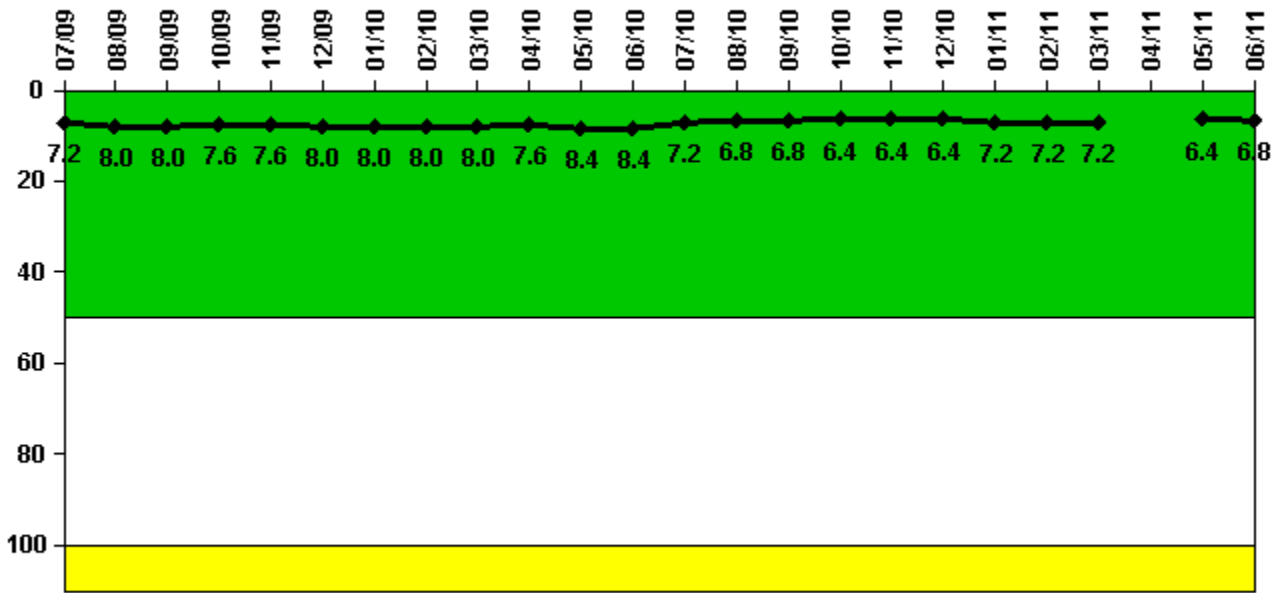
Notes

Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.000539	0.000469	0.000529	0.000599	0.000519	0.000758	0.000739	0.000678	0.000647	0.000943	0.000823	0.000607
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	0.3	0.2	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.4	0.3

Reactor Coolant System Activity	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum activity	0.000509	0.000628	0.000544	0.000489	0.000620	0.000621	0.000662	0.000704	0.000590	N/A	N/A	0.000568
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	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.3	N/A	N/A	0.3

Licensee Comments: none

Reactor Coolant System Leakage



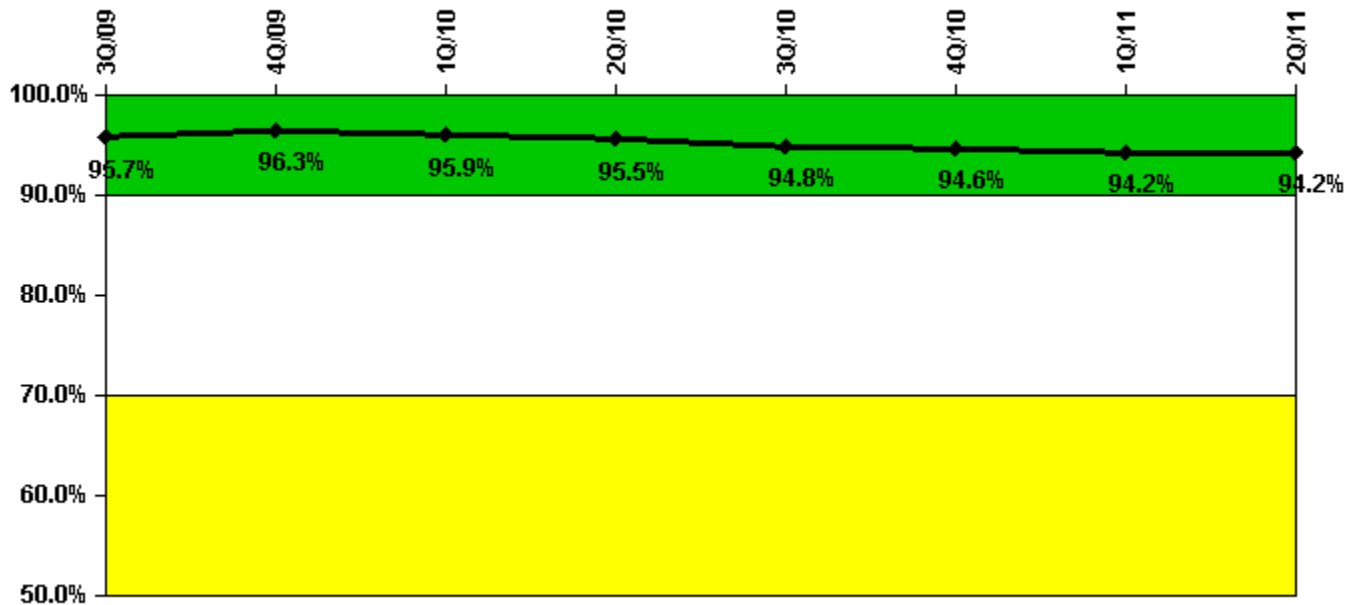
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	1.800	2.000	2.000	1.900	1.900	2.000	2.000	2.000	2.000	1.900	2.100	2.100
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	7.2	8.0	8.0	7.6	7.6	8.0	8.0	8.0	8.0	7.6	8.4	8.4
Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	1.800	1.700	1.700	1.600	1.600	1.600	1.800	1.800	1.800	N/A	1.600	1.700
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	7.2	6.8	6.8	6.4	6.4	6.4	7.2	7.2	7.2	N/A	6.4	6.8

Licensee Comments: none

Drill/Exercise Performance



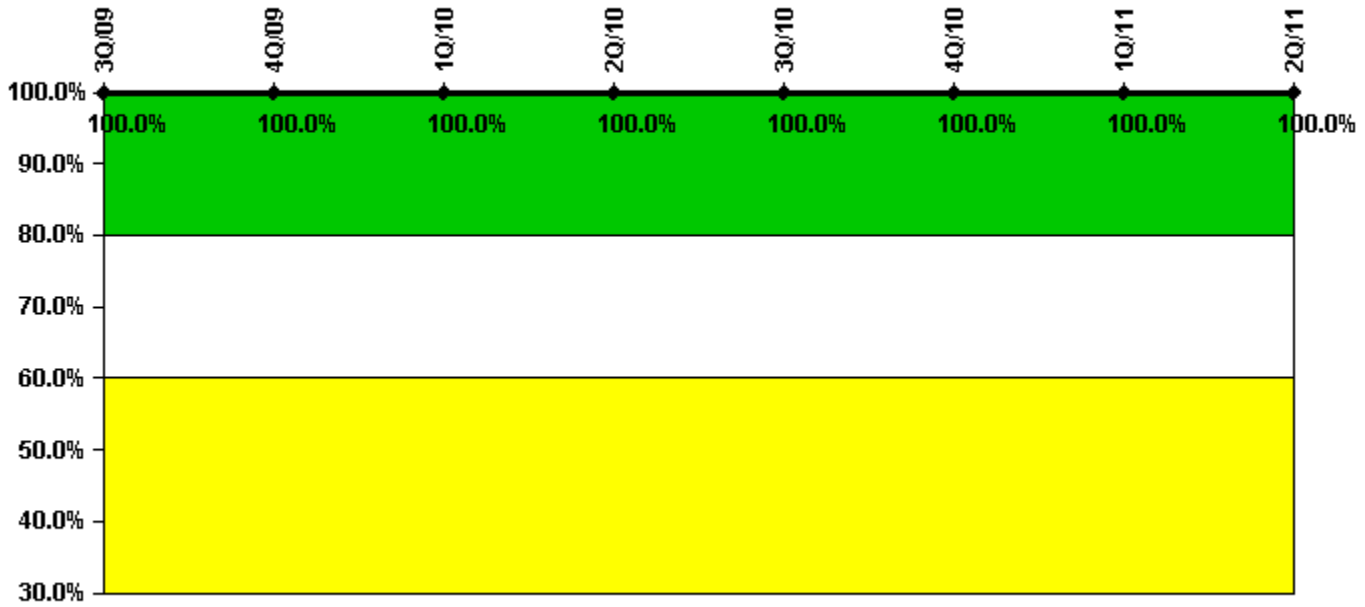
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	39.0	29.0	36.0	30.0	41.0	16.0	18.0	17.0
Total opportunities	47.0	30.0	36.0	31.0	43.0	17.0	19.0	17.0
Indicator value	95.7%	96.3%	95.9%	95.5%	94.8%	94.6%	94.2%	94.2%

Licensee Comments: none

ERO Drill Participation



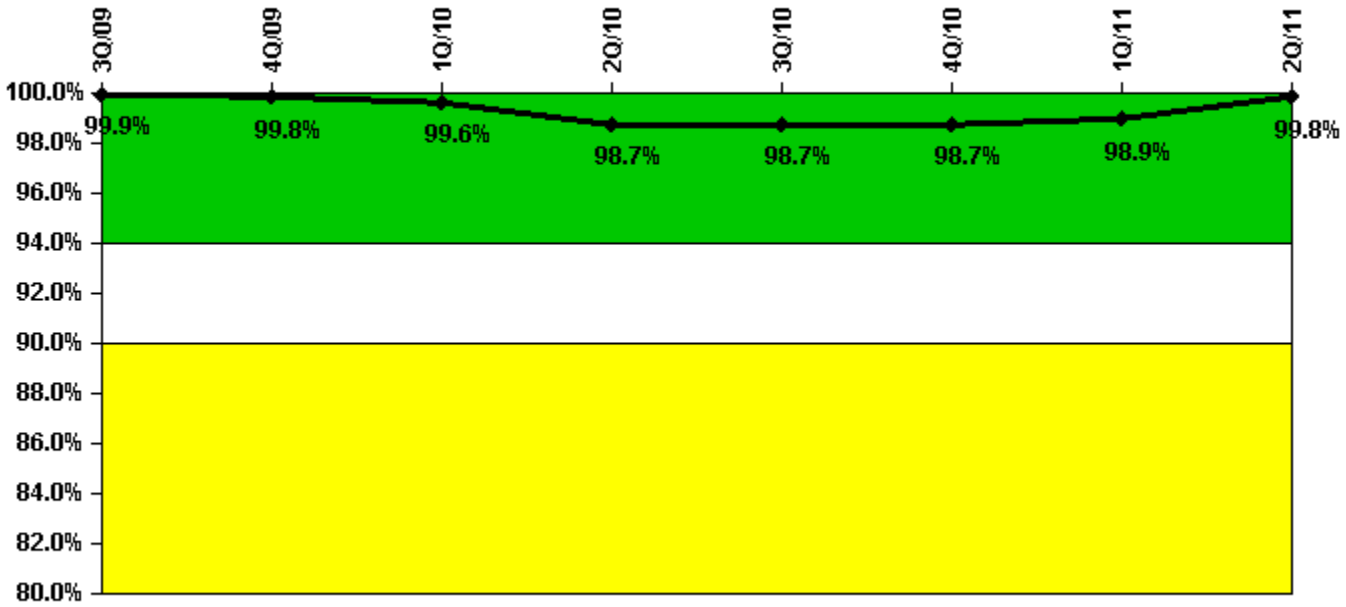
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	143.0	144.0	147.0	145.0	138.0	136.0	145.0	146.0
Total Key personnel	143.0	144.0	147.0	145.0	138.0	136.0	145.0	146.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



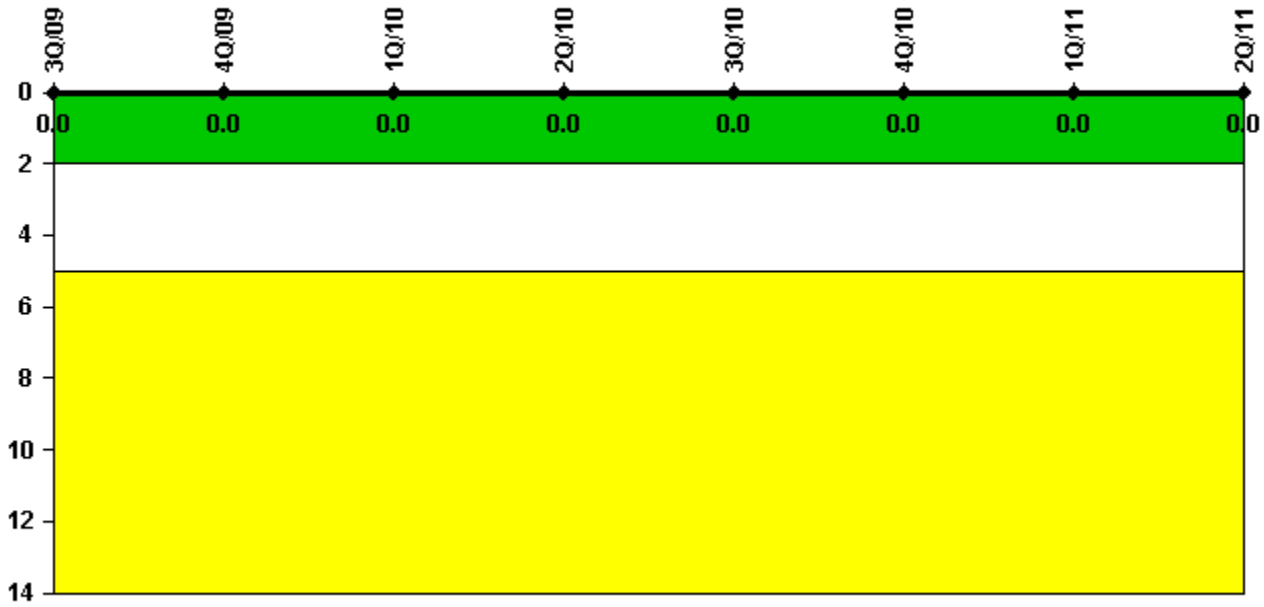
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	1482	1373	1364	1327	1375	1376	1373	1377
Total sirens-tests	1484	1378	1378	1378	1378	1378	1378	1378
Indicator value	99.9%	99.8%	99.6%	98.7%	98.7%	98.7%	98.9%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



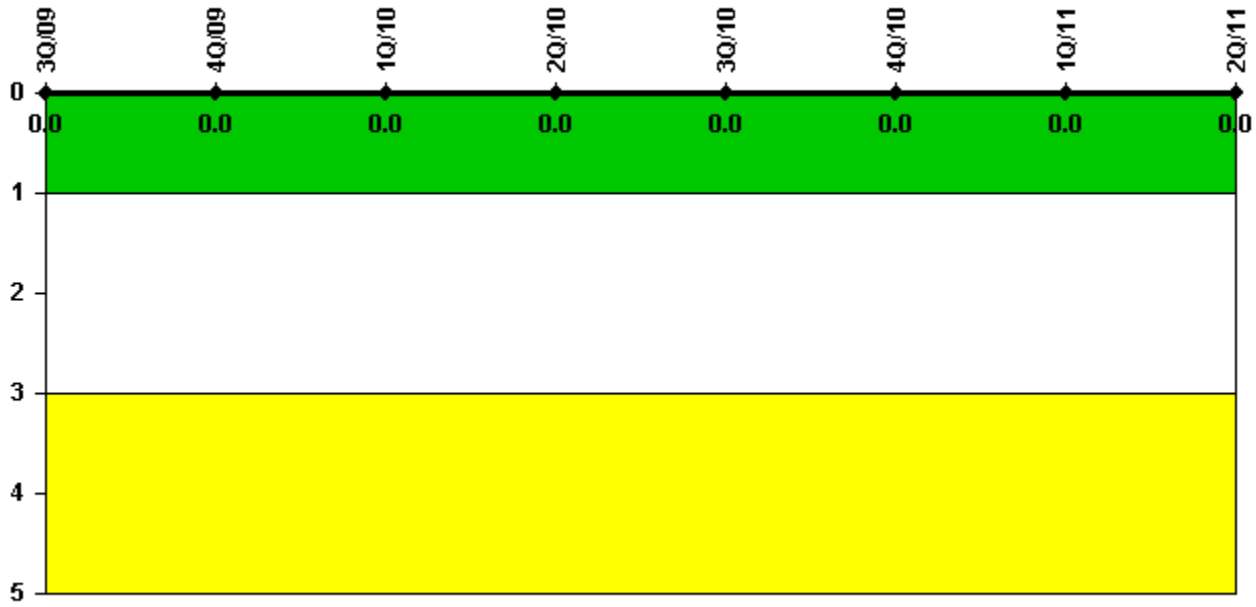
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
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	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
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.