

Surry 1

3Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



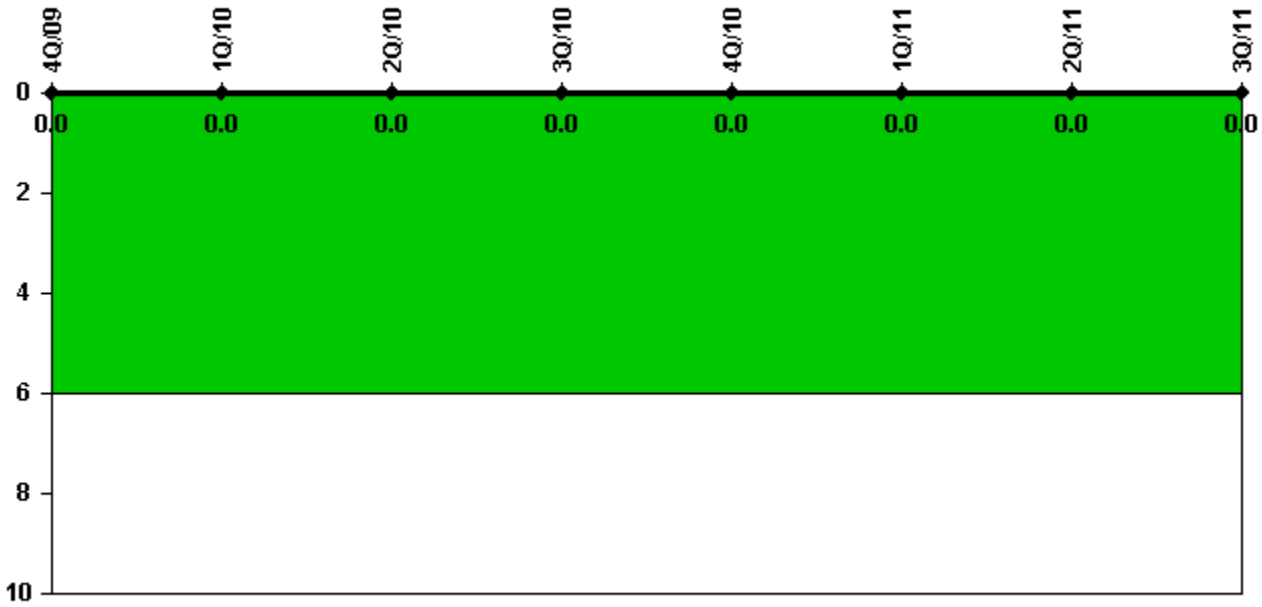
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	0	0	1.0	0	0	0	1.0	0
Critical hours	2209.0	2159.0	2107.0	2208.0	1290.0	2159.0	2027.6	2208.0
Indicator value	0	0	0.8	0.8	0.9	0.9	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



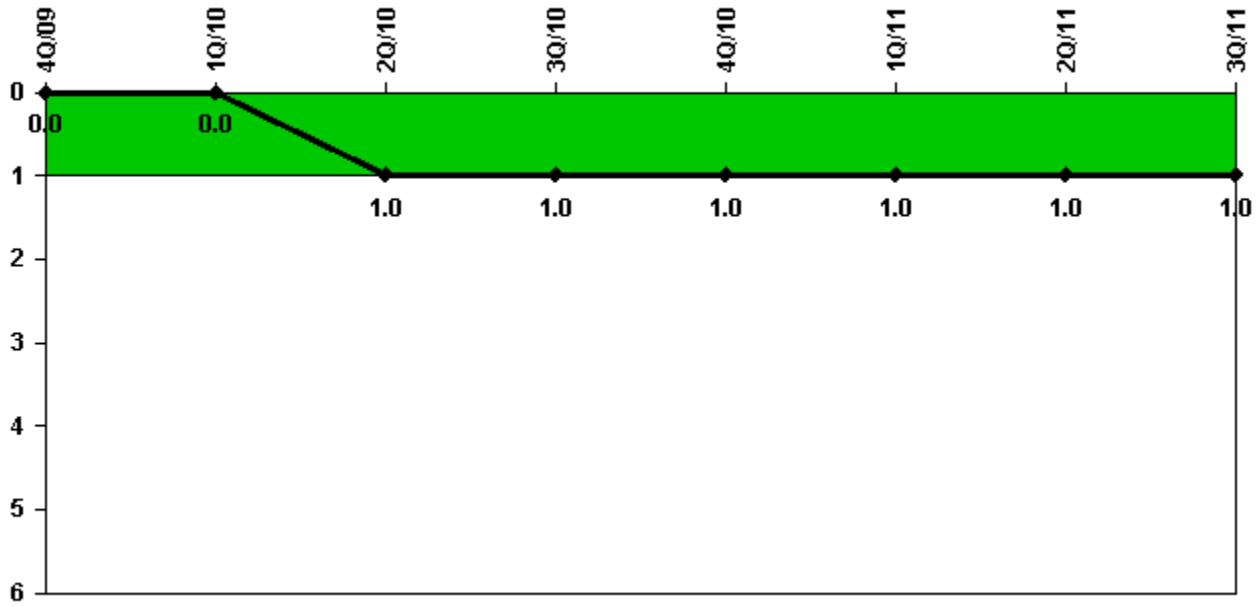
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2107.0	2208.0	1290.0	2159.0	2027.6	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



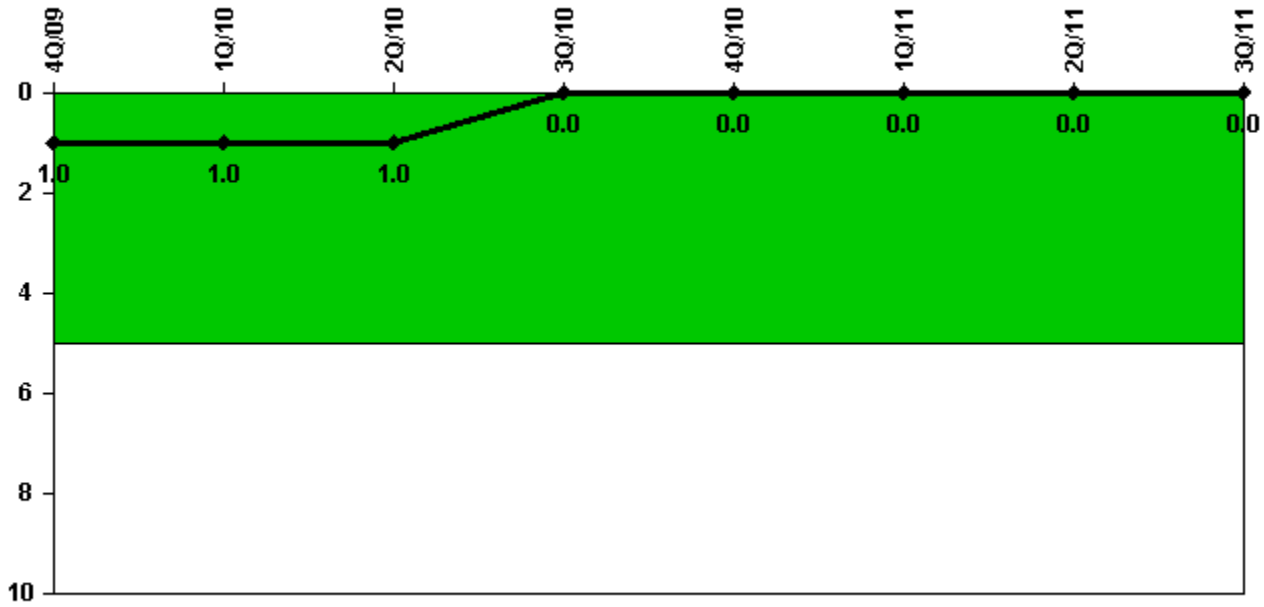
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Scrams with complications	0	0	1.0	0	0	0	1.0	0
Indicator value	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Safety System Functional Failures (PWR)



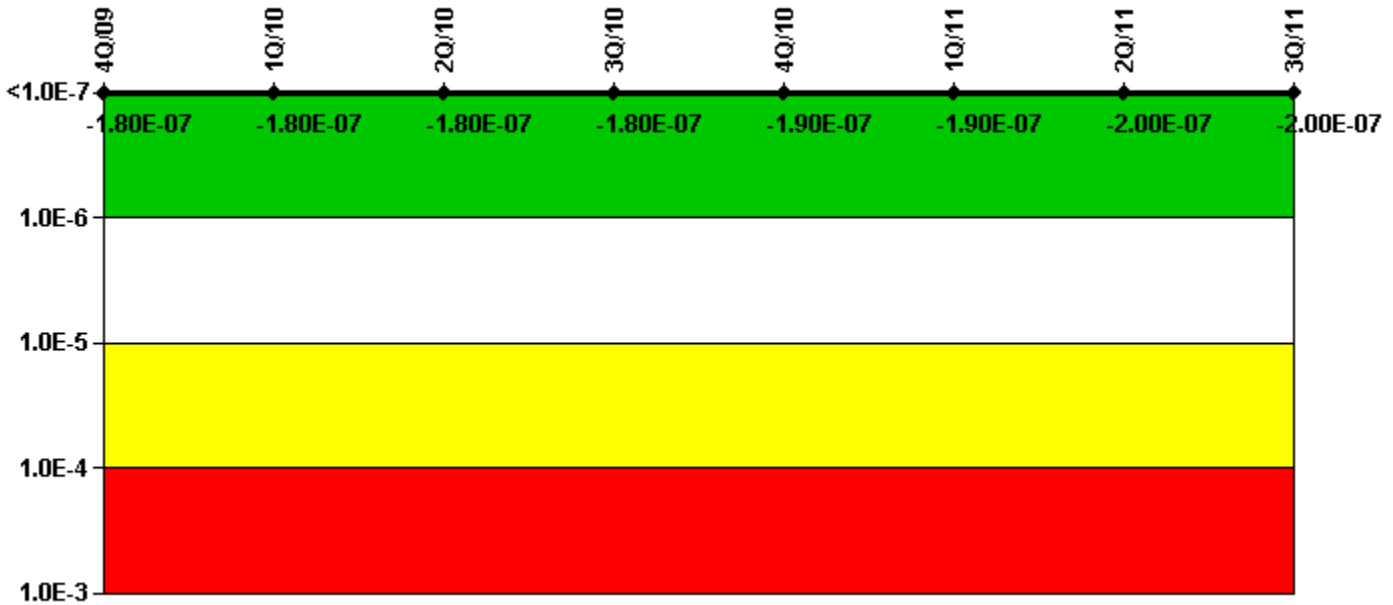
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



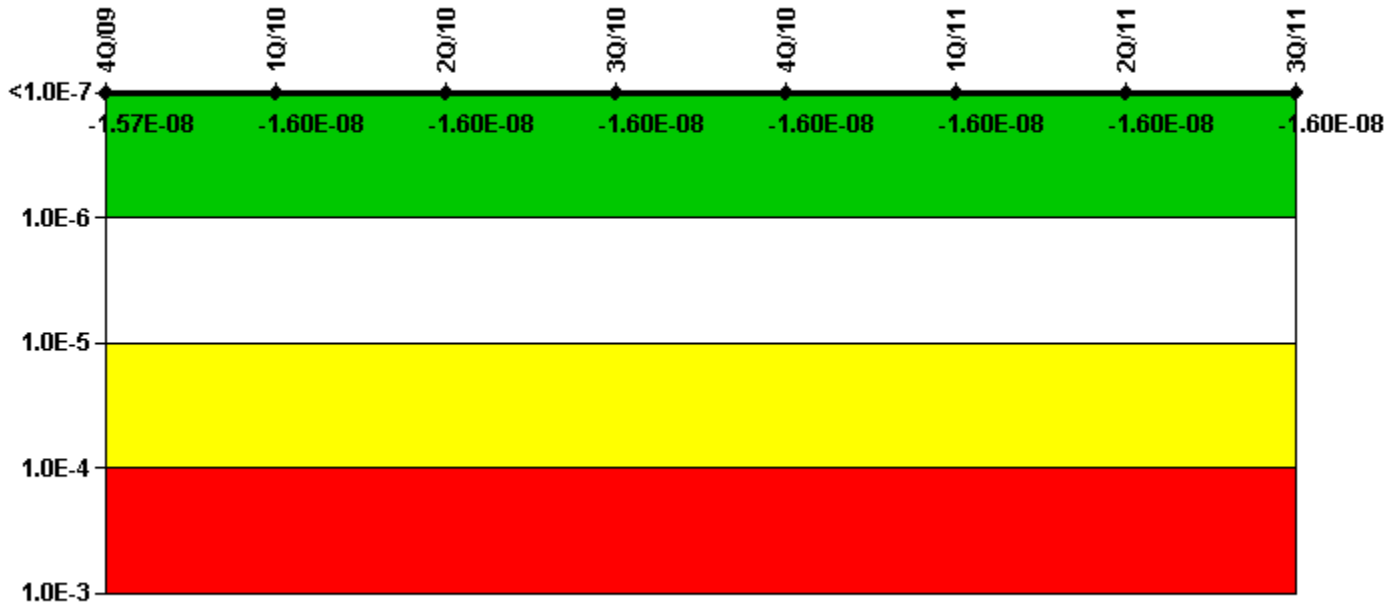
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-1.35E-08	-1.35E-08	-9.41E-09	-1.65E-08	-1.66E-08	-1.66E-08	-1.66E-08	-1.66E-08
URI (Δ CDF)	-1.66E-07	-1.67E-07	-1.71E-07	-1.67E-07	-1.69E-07	-1.70E-07	-1.80E-07	-1.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.90E-07	-1.90E-07	-2.00E-07	-2.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



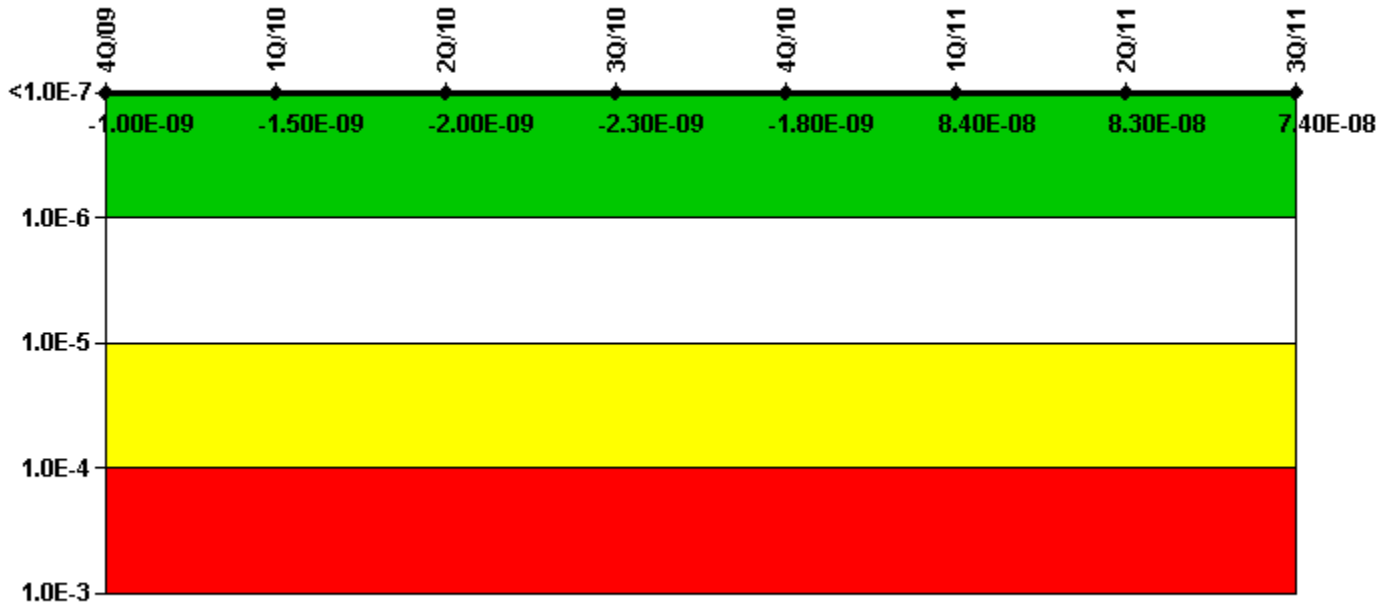
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-7.40E-10	-8.32E-10	-8.32E-10	-8.32E-10	-8.32E-10	-8.32E-10	-8.38E-10	-8.38E-10
URI (Δ CDF)	-1.50E-08	-1.48E-08	-1.50E-08	-1.52E-08	-1.50E-08	-1.50E-08	-1.52E-08	-1.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.57E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



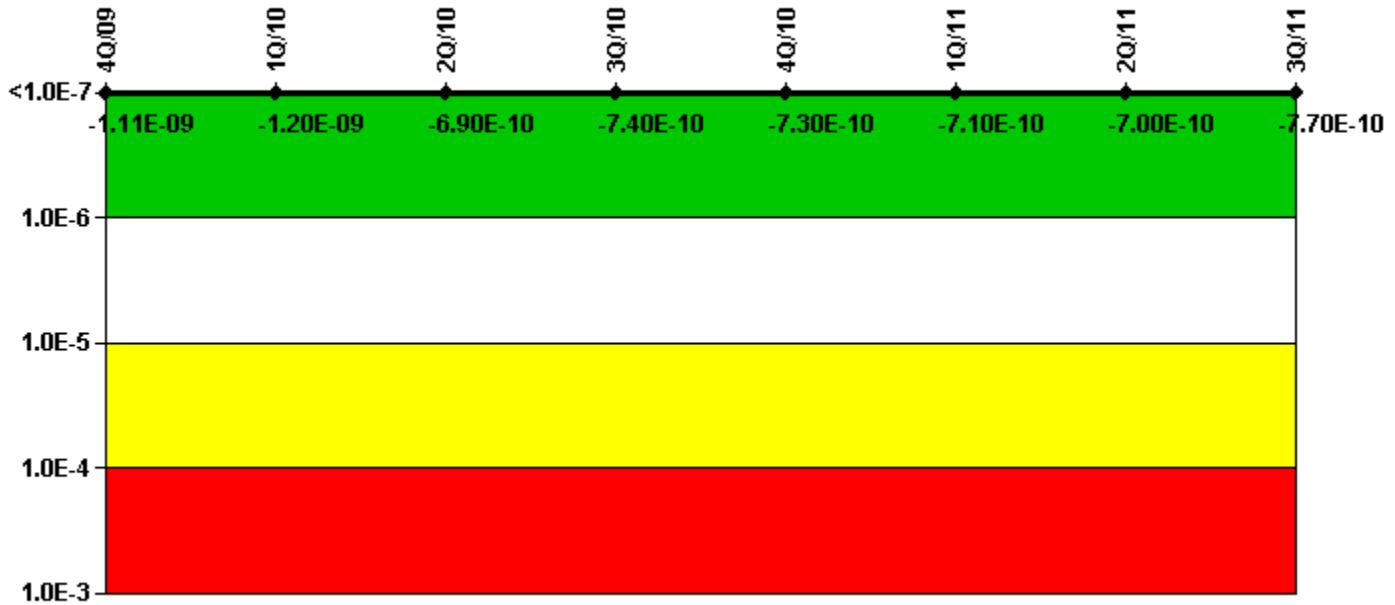
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	1.40E-08	1.37E-08	1.45E-08	1.36E-08	1.35E-08	1.44E-08	1.51E-08	6.57E-09
URI (Δ CDF)	-1.50E-08	-1.53E-08	-1.65E-08	-1.59E-08	-1.53E-08	6.97E-08	6.79E-08	6.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-09	-1.50E-09	-2.00E-09	-2.30E-09	-1.80E-09	8.40E-08	8.30E-08	7.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



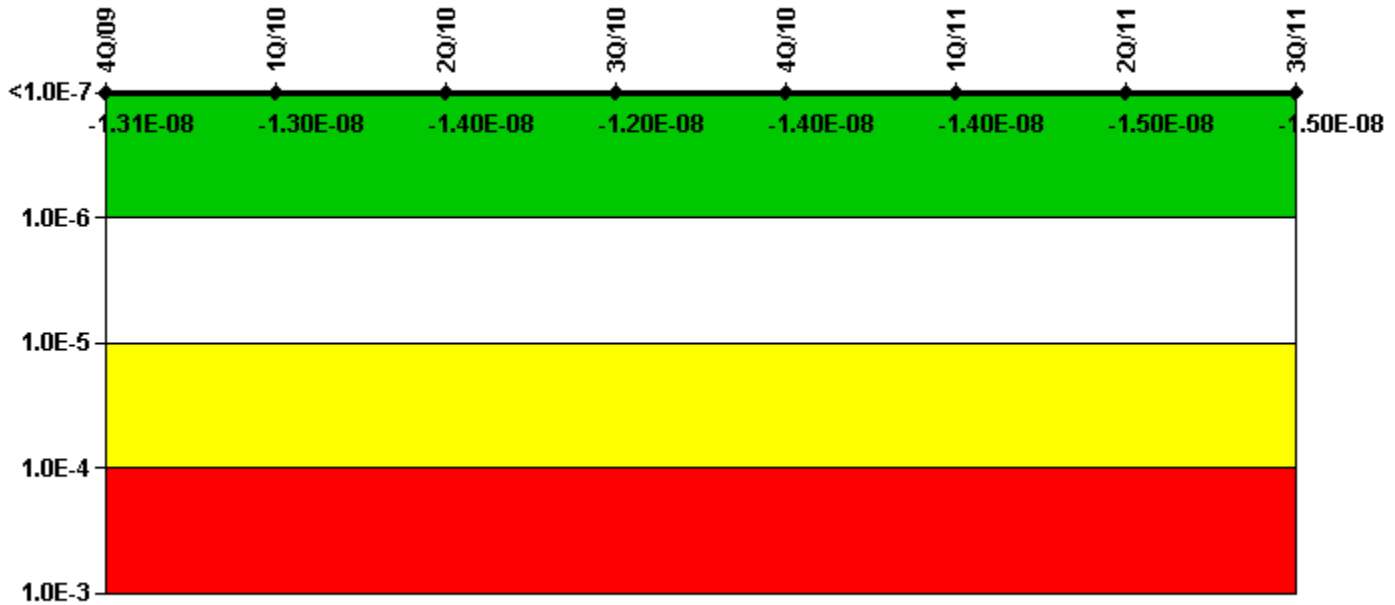
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-1.70E-10	-2.70E-10	2.71E-10	2.14E-10	2.07E-10	2.25E-10	2.34E-10	1.68E-10
URI (Δ CDF)	-9.40E-10	-9.10E-10	-9.57E-10	-9.57E-10	-9.35E-10	-9.35E-10	-9.35E-10	-9.35E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.11E-09	-1.20E-09	-6.90E-10	-7.40E-10	-7.30E-10	-7.10E-10	-7.00E-10	-7.70E-10

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



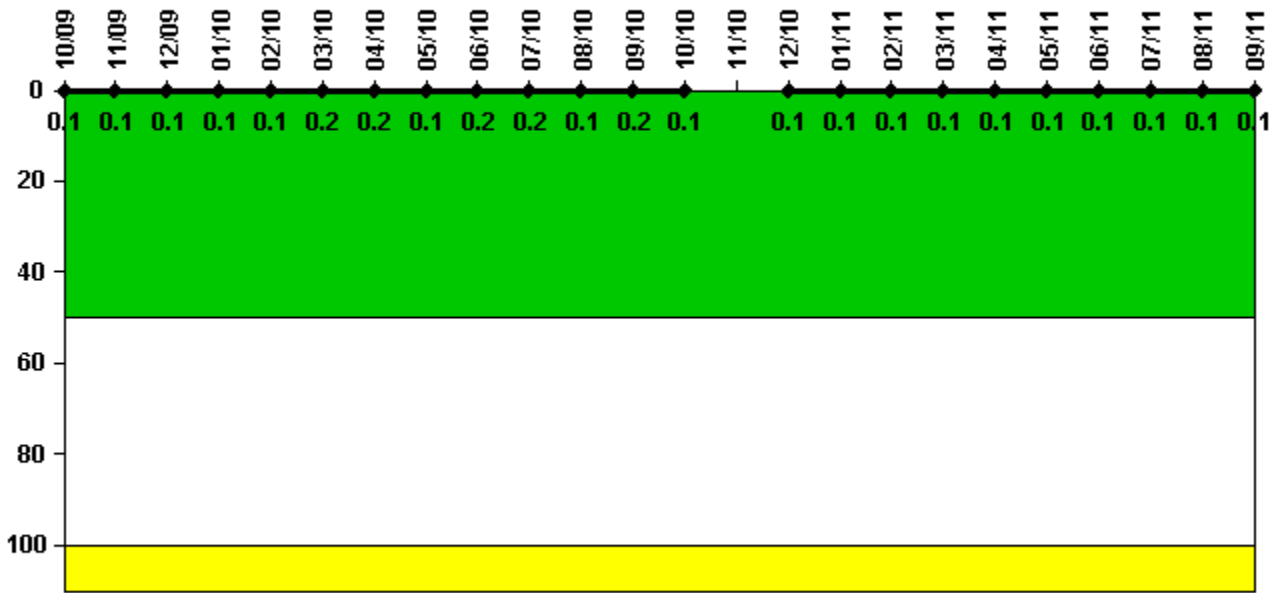
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	6.90E-09	6.88E-09	6.40E-09	7.35E-09	5.24E-09	5.56E-09	5.83E-09	5.39E-09
URI (Δ CDF)	-2.00E-08	-1.98E-08	-2.01E-08	-1.94E-08	-1.97E-08	-1.97E-08	-2.04E-08	-2.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.31E-08	-1.30E-08	-1.40E-08	-1.20E-08	-1.40E-08	-1.40E-08	-1.50E-08	-1.50E-08

Licensee Comments: none

Reactor Coolant System Activity



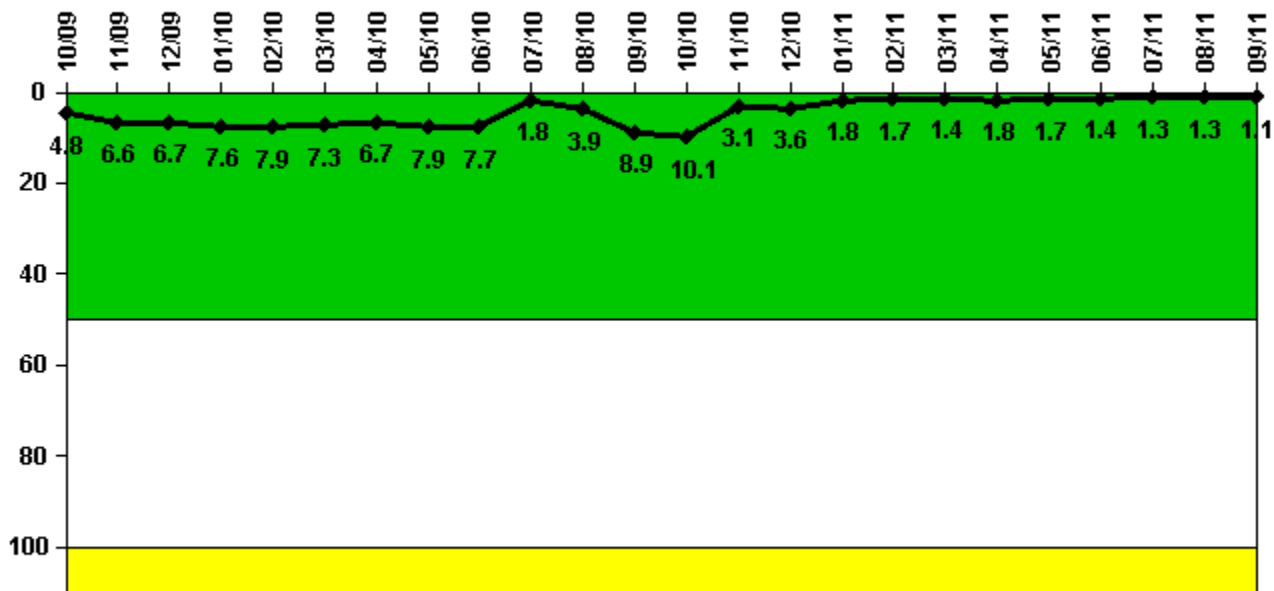
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	0.000981	0.000996	0.001130	0.001250	0.001270	0.001720	0.001550	0.001370	0.001510	0.001550	0.001420	0.002170
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2
Reactor Coolant System Activity	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum activity	0.001350	N/A	0.000958	0.001130	0.000738	0.000849	0.000756	0.000998	0.000949	0.000985	0.000998	0.001030
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



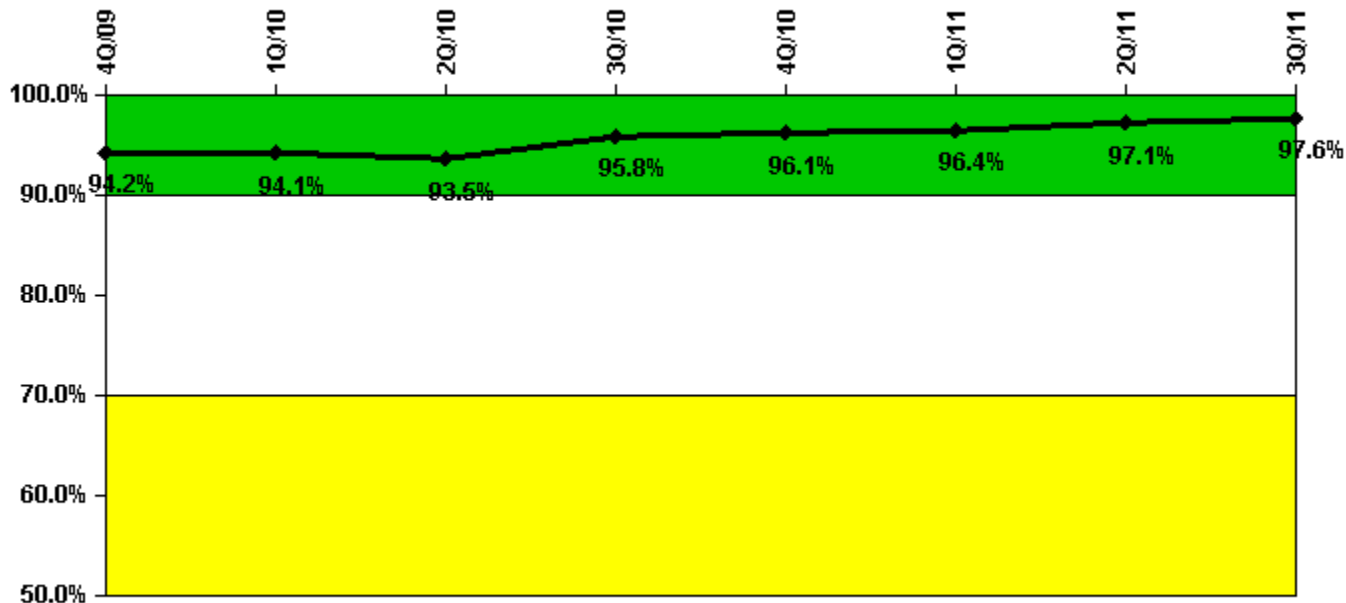
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	0.480	0.660	0.670	0.760	0.790	0.730	0.670	0.790	0.770	0.180	0.390	0.890
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	4.8	6.6	6.7	7.6	7.9	7.3	6.7	7.9	7.7	1.8	3.9	8.9
Reactor Coolant System Leakage	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	1.010	0.310	0.360	0.180	0.170	0.140	0.180	0.170	0.140	0.130	0.130	0.110
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	10.1	3.1	3.6	1.8	1.7	1.4	1.8	1.7	1.4	1.3	1.3	1.1

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

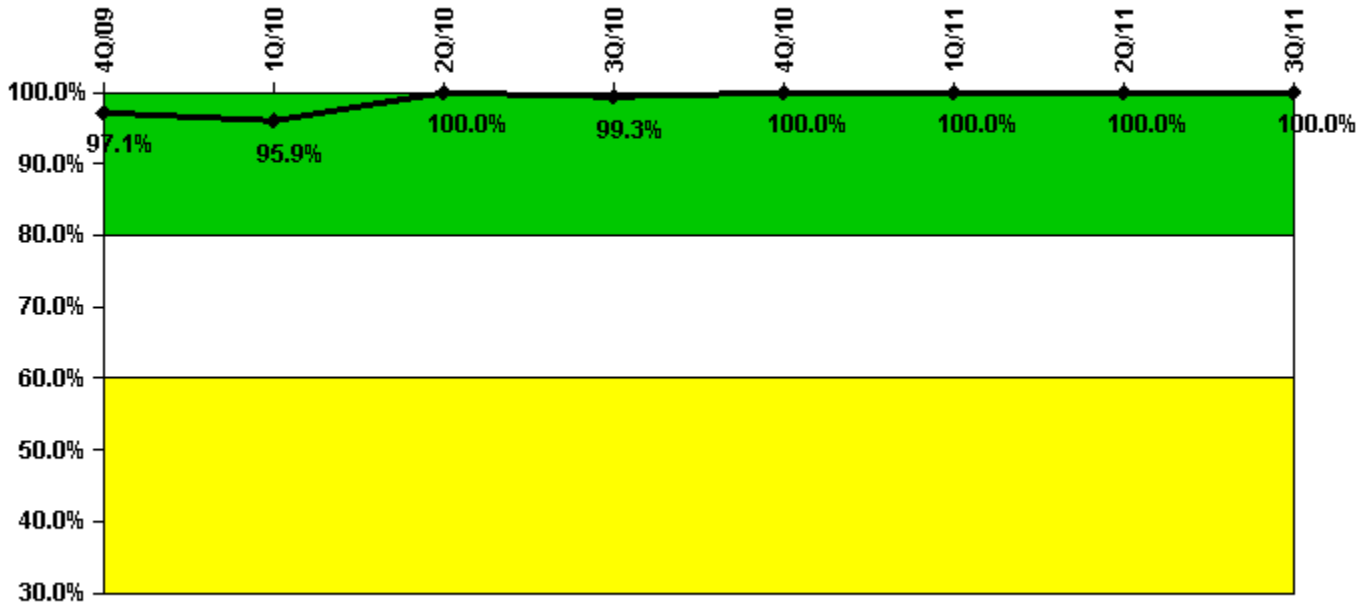
Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	26.0	38.0	33.0	41.0	15.0	31.0	27.0	31.0
Total opportunities	26.0	40.0	35.0	41.0	15.0	32.0	28.0	31.0
Indicator value	94.2%	94.1%	93.5%	95.8%	96.1%	96.4%	97.1%	97.6%

Licensee Comments:

3Q/11: An NRC assessment determined a missed classification occurred in June 2011. Historical data was corrected with no change in color.

ERO Drill Participation



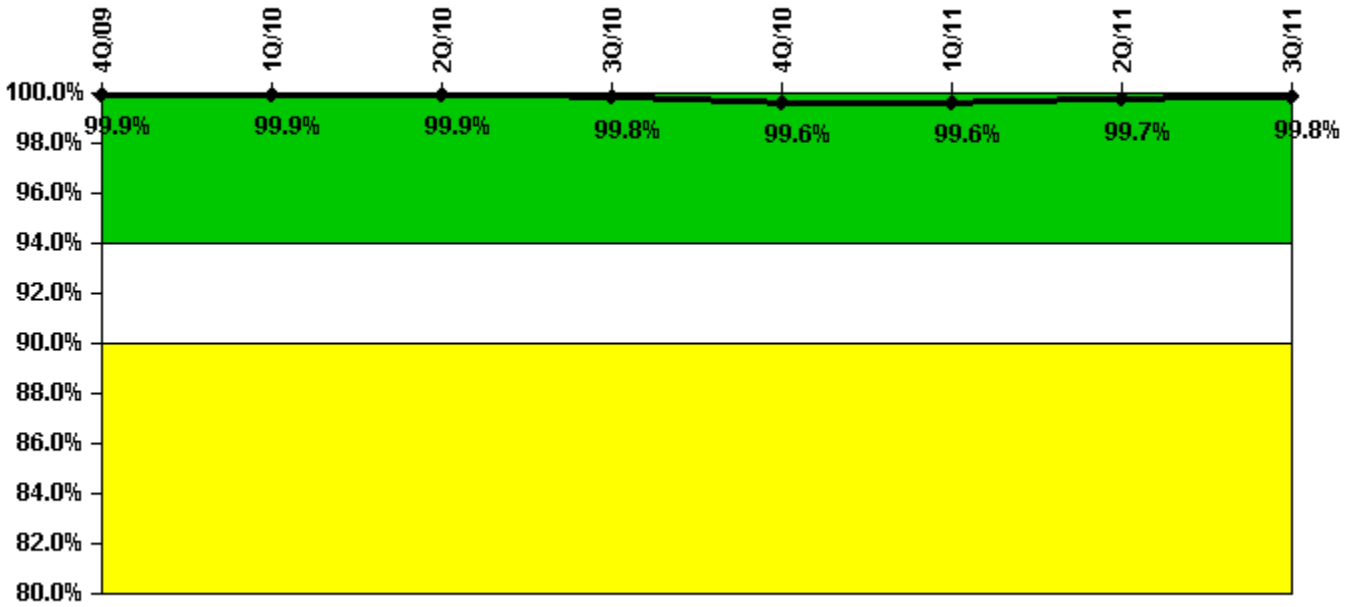
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	135.0	142.0	145.0	143.0	128.0	132.0	139.0	138.0
Total Key personnel	139.0	148.0	145.0	144.0	128.0	132.0	139.0	138.0
Indicator value	97.1%	95.9%	100.0%	99.3%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



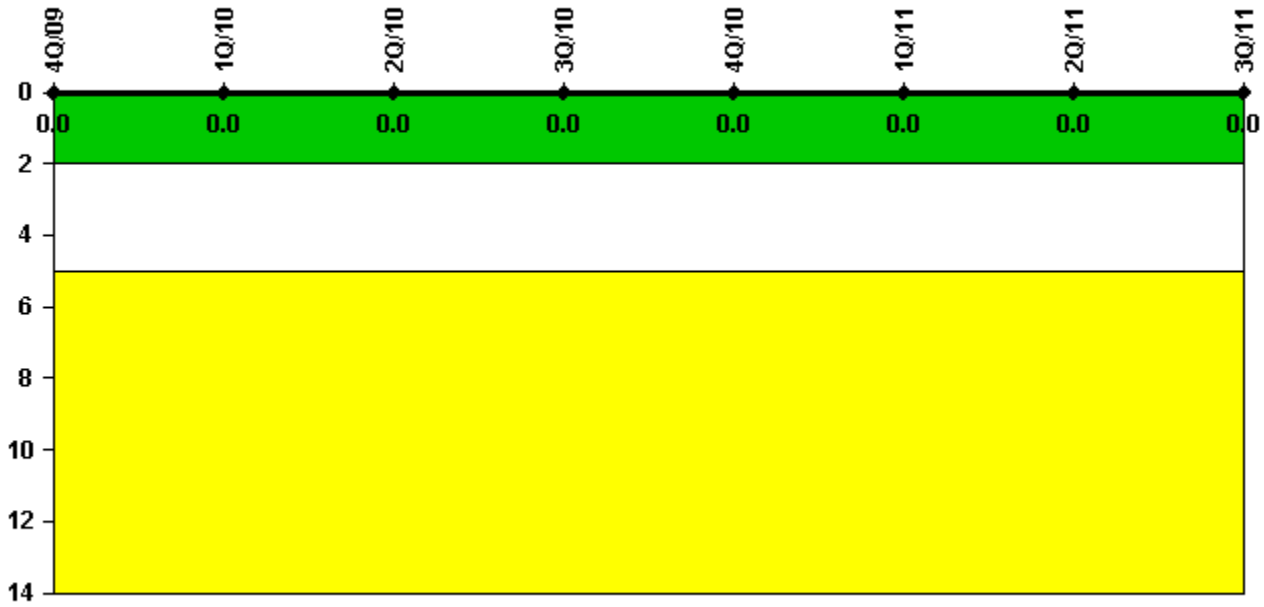
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	544	476	542	473	540	476	544	476
Total sirens-tests	544	476	544	476	544	476	544	476
Indicator value	99.9%	99.9%	99.9%	99.8%	99.6%	99.6%	99.7%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



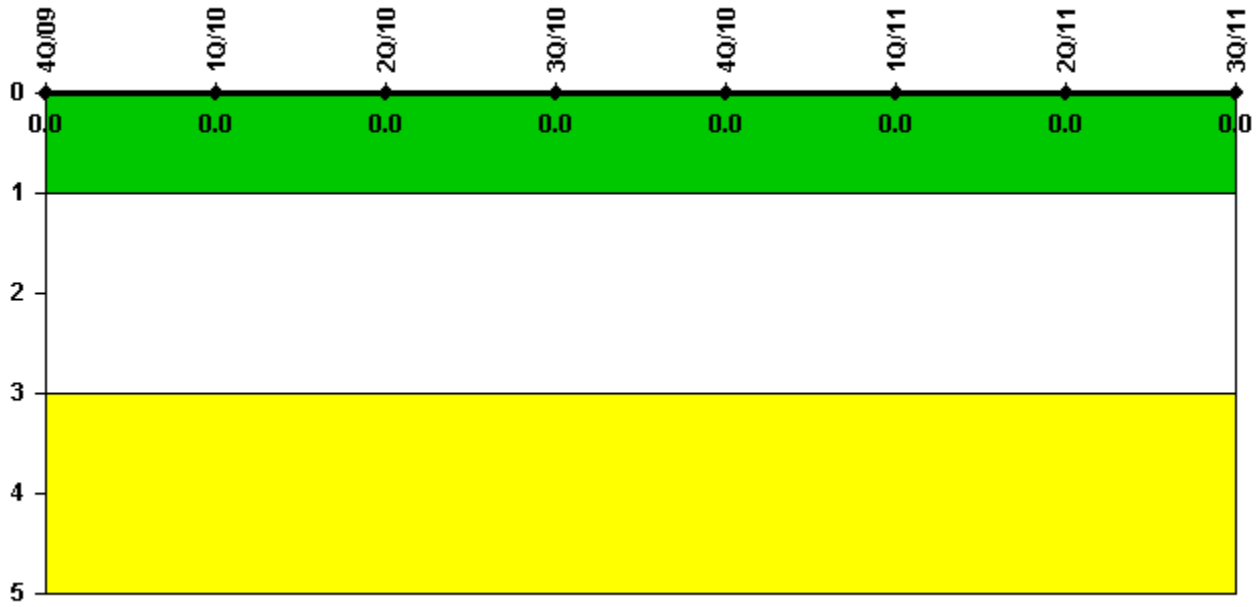
Thresholds: White > 2.0 Yellow > 5.0

Notes

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