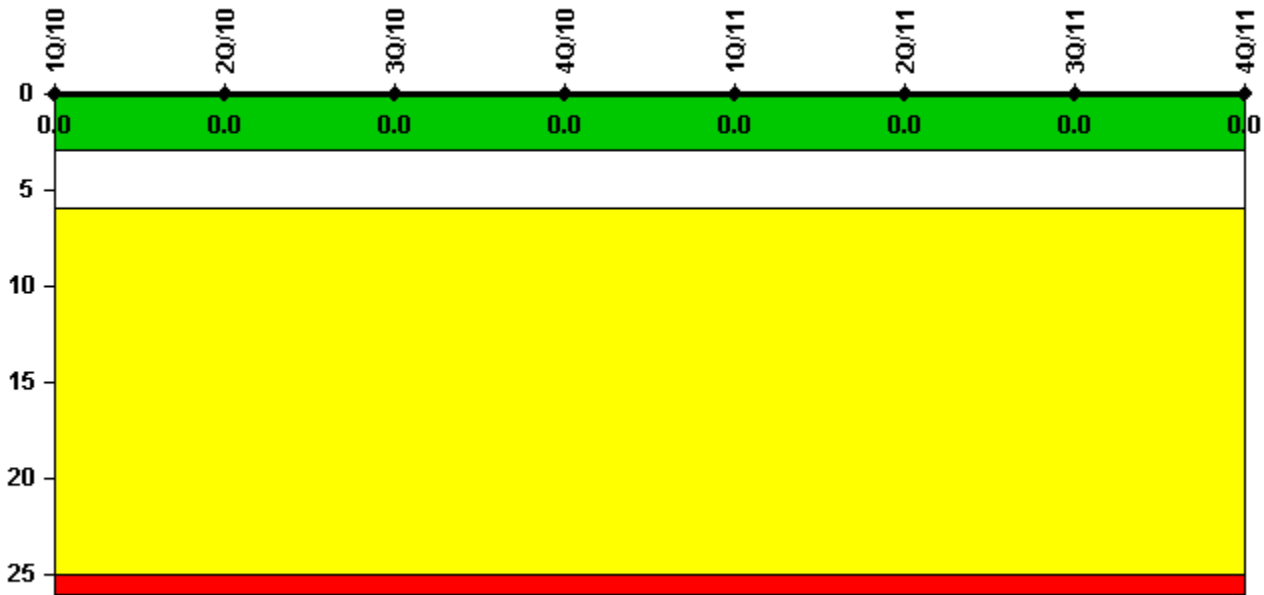


Three Mile Island 1

4Q/2011 Performance Indicators

Licensee's General Comments: TMI-2006-004 Rev 3 is the December 2011 revision to the TMI MSPI Basis Document. Various drawings updated to include more detail. These changes were the result of several FAQ responses. The fuel pump is now included inside the MSPI boundary for the Emergency Diesel Generator. Several cooling water isolation valves are now included inside the MSPI boundaries for the HPI and LPI pumps. One surveillance procedure was added to the list of EFW excluded unavailability due to operator actions.

Unplanned Scrams per 7000 Critical Hrs



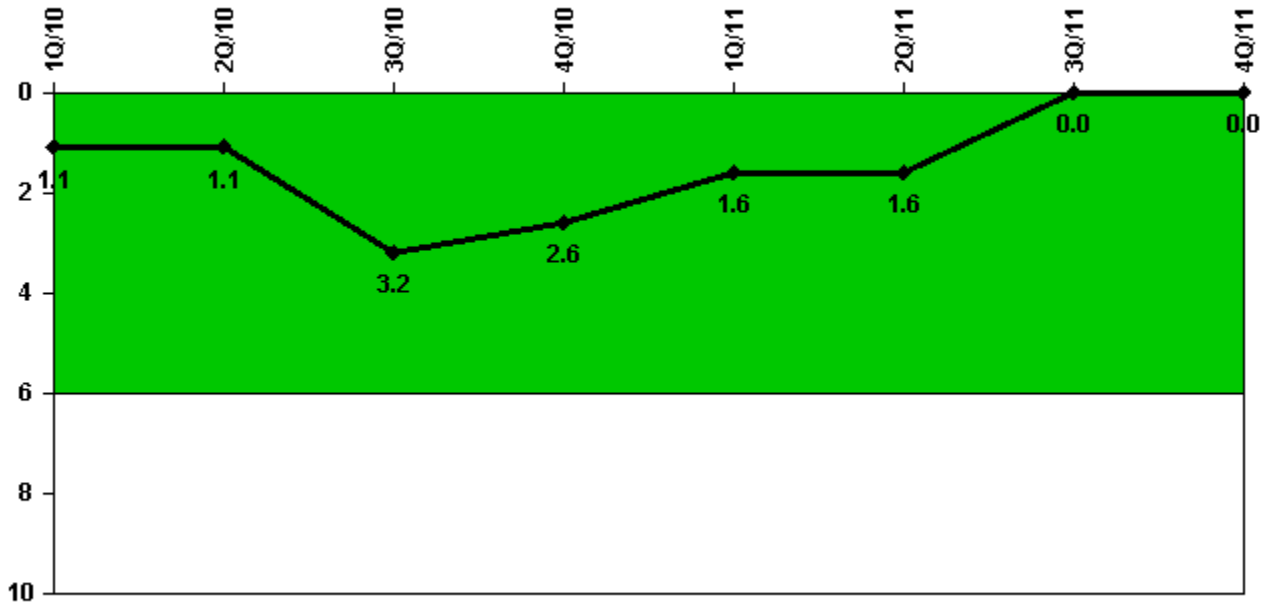
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1595.8	2138.8	2208.0	2209.0	2159.0	2184.0	2208.0	1456.6
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



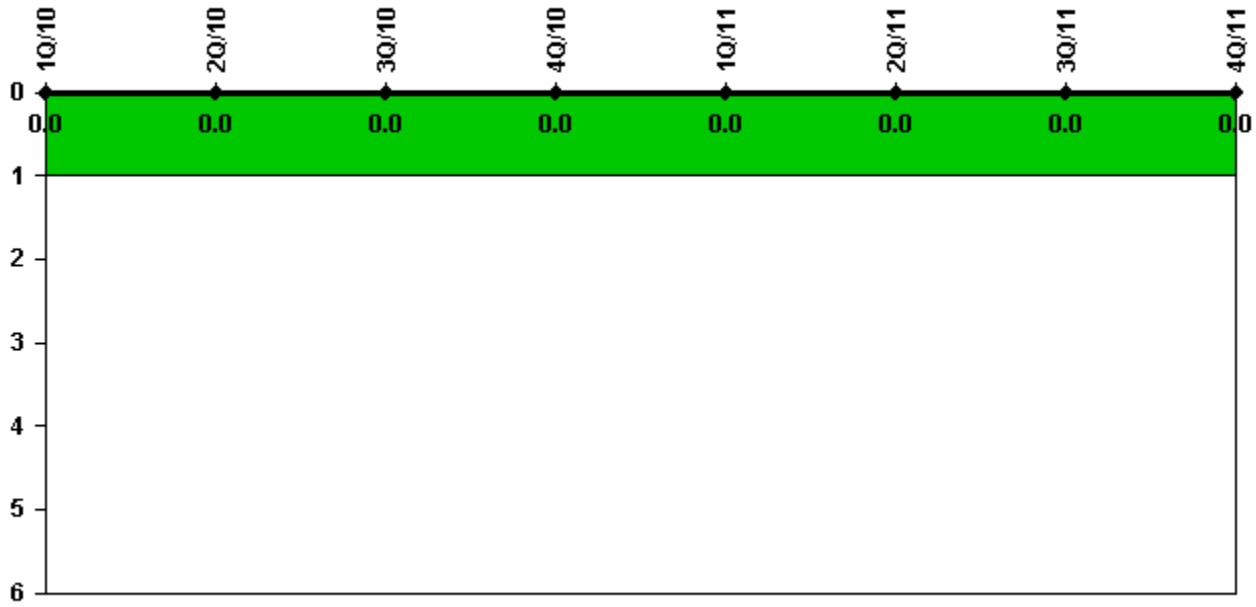
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	1.0	0	2.0	0	0	0	0	0
Critical hours	1595.8	2138.8	2208.0	2209.0	2159.0	2184.0	2208.0	1456.6
Indicator value	1.1	1.1	3.2	2.6	1.6	1.6	0	0

Licensee Comments: none

Unplanned Scrams with Complications



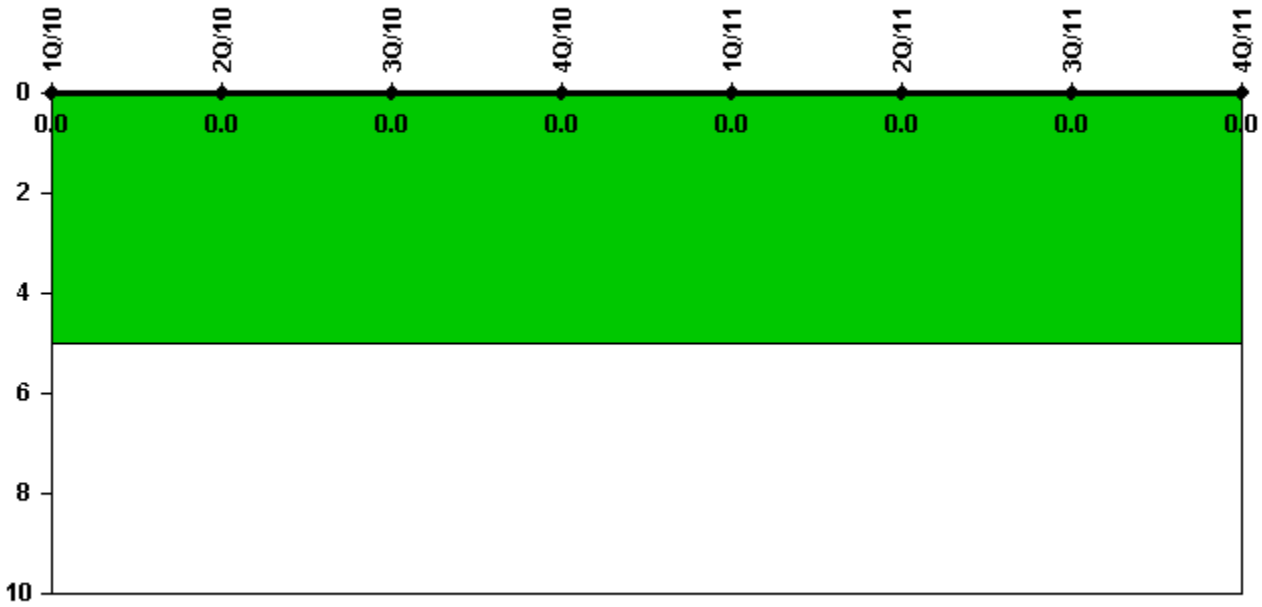
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/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 (PWR)



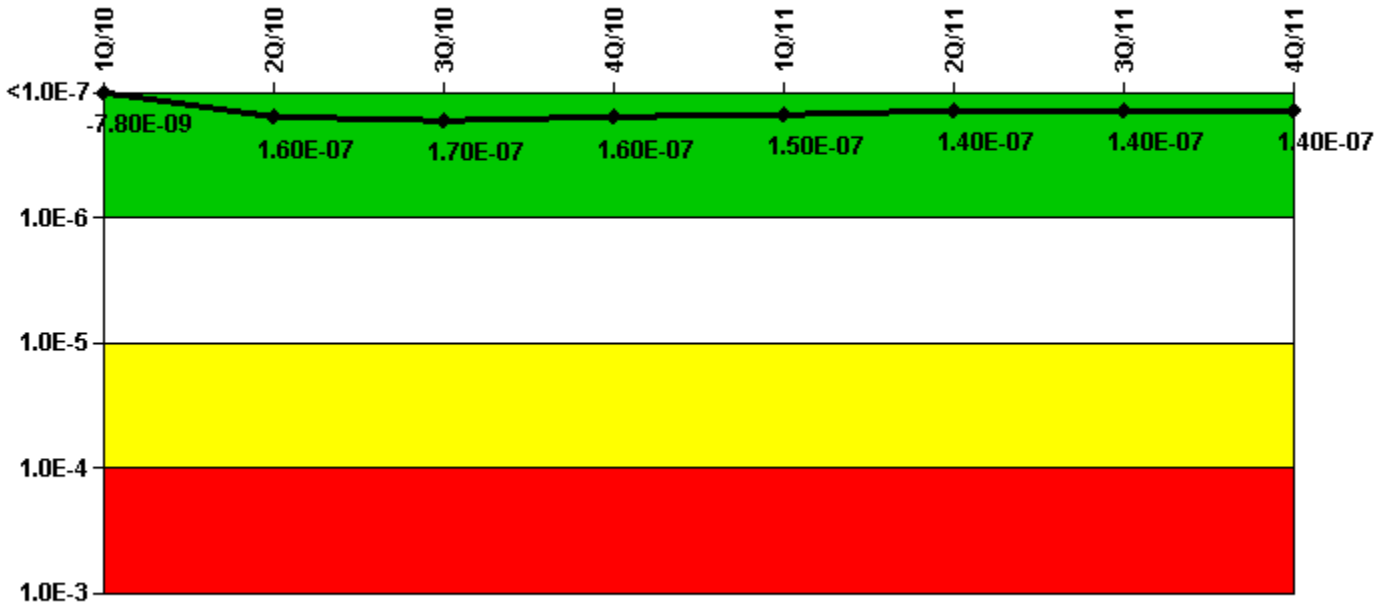
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



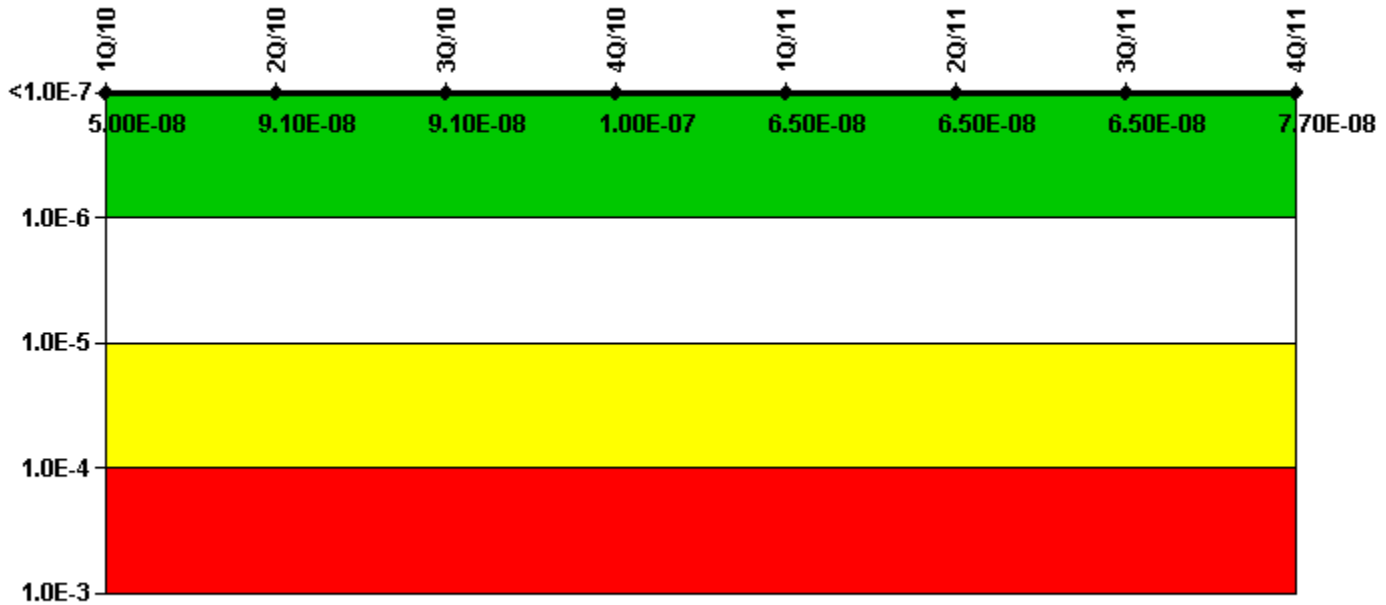
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-2.91E-08	-1.36E-08	-4.06E-09	-8.60E-09	-1.52E-08	-2.91E-08	-2.91E-08	-2.91E-08
URI (Δ CDF)	2.13E-08	1.73E-07	1.69E-07	1.69E-07	1.67E-07	1.66E-07	1.66E-07	1.67E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.80E-09	1.60E-07	1.70E-07	1.60E-07	1.50E-07	1.40E-07	1.40E-07	1.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



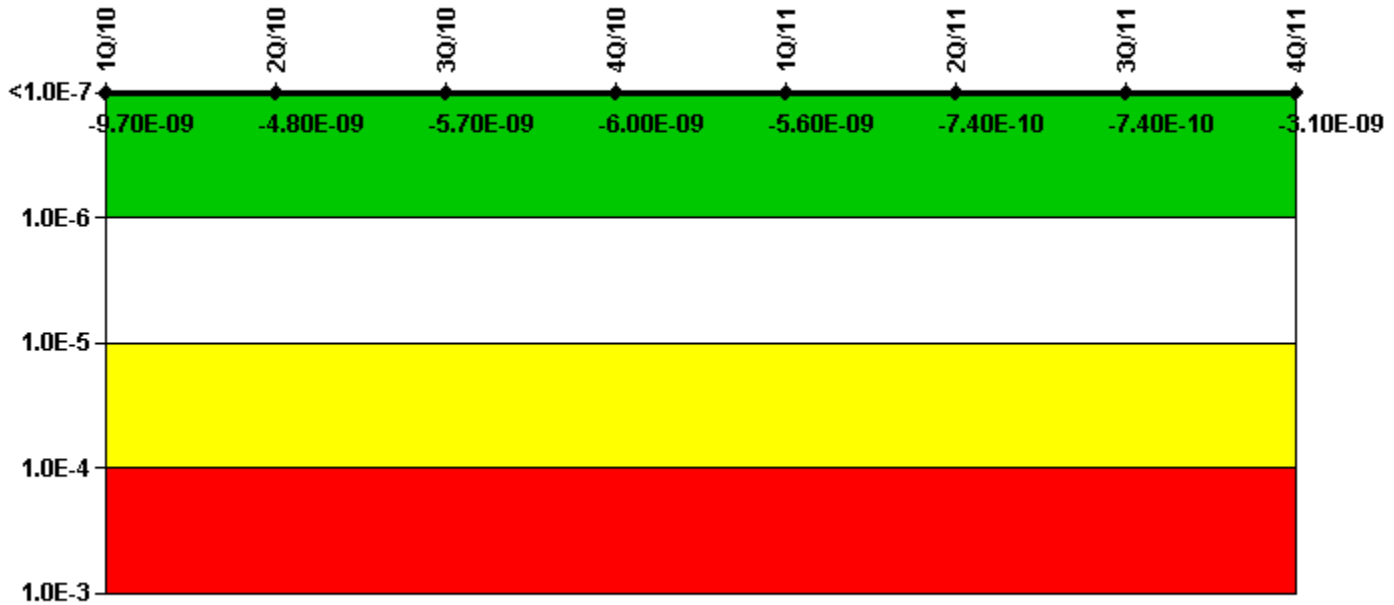
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	7.66E-08	1.18E-07	1.18E-07	1.30E-07	9.19E-08	9.19E-08	9.19E-08	1.04E-07
URI (Δ CDF)	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.00E-08	9.10E-08	9.10E-08	1.00E-07	6.50E-08	6.50E-08	6.50E-08	7.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

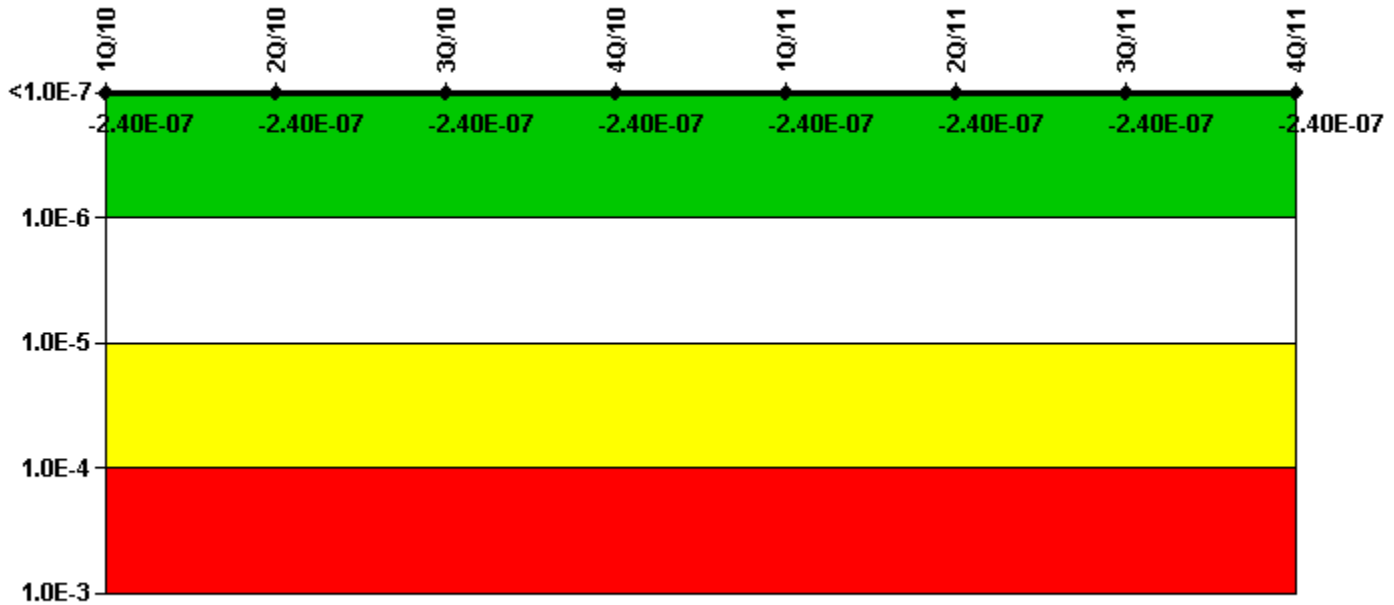
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	3.45E-11	4.90E-09	4.03E-09	3.70E-09	4.13E-09	9.00E-09	9.00E-09	6.67E-09
URI (Δ CDF)	-9.75E-09	-9.75E-09	-9.75E-09	-9.75E-09	-9.75E-09	-9.75E-09	-9.75E-09	-9.75E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.70E-09	-4.80E-09	-5.70E-09	-6.00E-09	-5.60E-09	-7.40E-10	-7.40E-10	-3.10E-09

Licensee Comments:

4Q/11: EF-V-2A unavailability corrected by 36.0 hours in March 2011 due to math error. No impact to system color, which remains Green with over 4 million hours of Margin.

Mitigating Systems Performance Index, Residual Heat Removal System



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

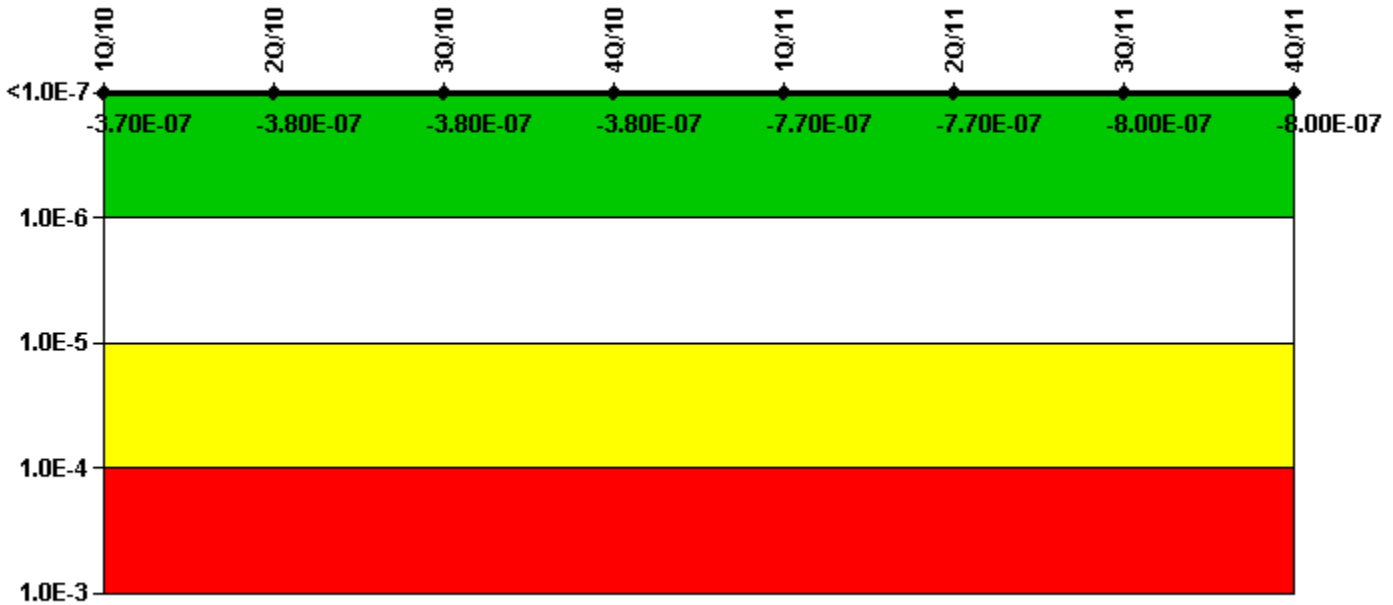
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-5.76E-08	-5.76E-08	-5.76E-08	-5.76E-08	-5.76E-08	-5.76E-08	-5.76E-08	-5.76E-08
URI (Δ CDF)	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07	-1.85E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07

Licensee Comments:

4Q/11: LPI-A unavailability corrected by 10.0 hours in OCT 2010 and LPI-B UA corrected by 2.5 hrs in Jan 2011 due to testing. No impact to system color, which remains Green.

Mitigating Systems Performance Index, Cooling Water Systems



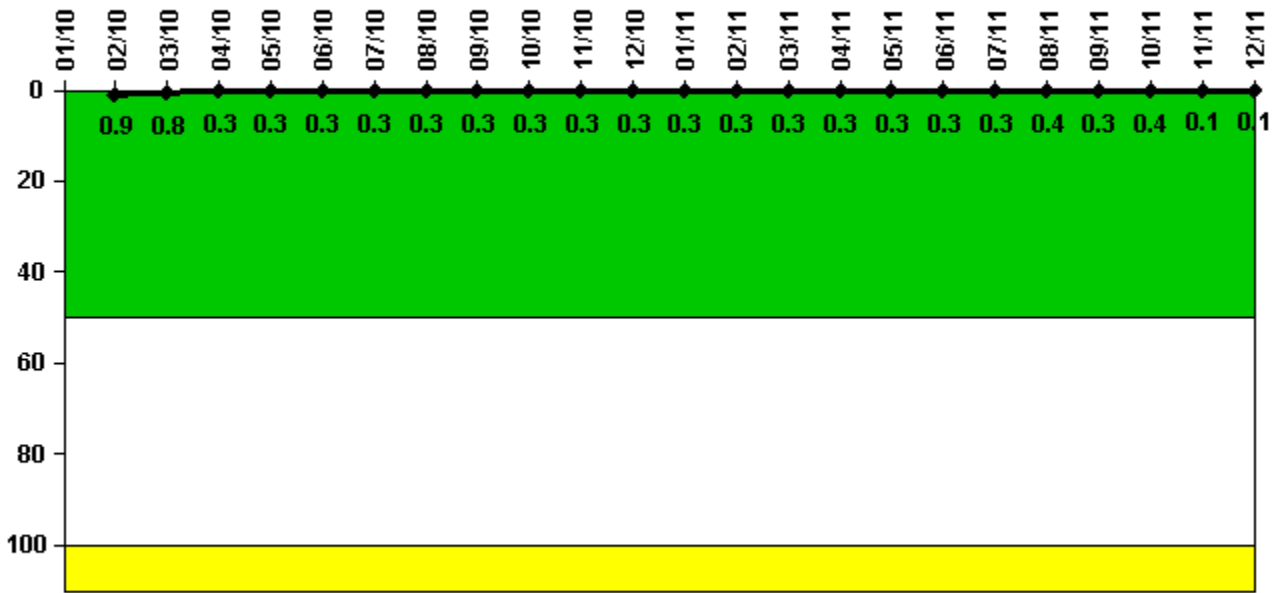
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	4.52E-08	3.60E-08	3.60E-08	3.63E-08	-7.47E-09	-7.38E-09	-8.54E-09	-8.35E-09
URI (Δ CDF)	-4.19E-07	-4.19E-07	-4.19E-07	-4.19E-07	-7.59E-07	-7.59E-07	-7.88E-07	-7.88E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.70E-07	-3.80E-07	-3.80E-07	-3.80E-07	-7.70E-07	-7.70E-07	-8.00E-07	-8.00E-07

Licensee Comments: none

Reactor Coolant System Activity



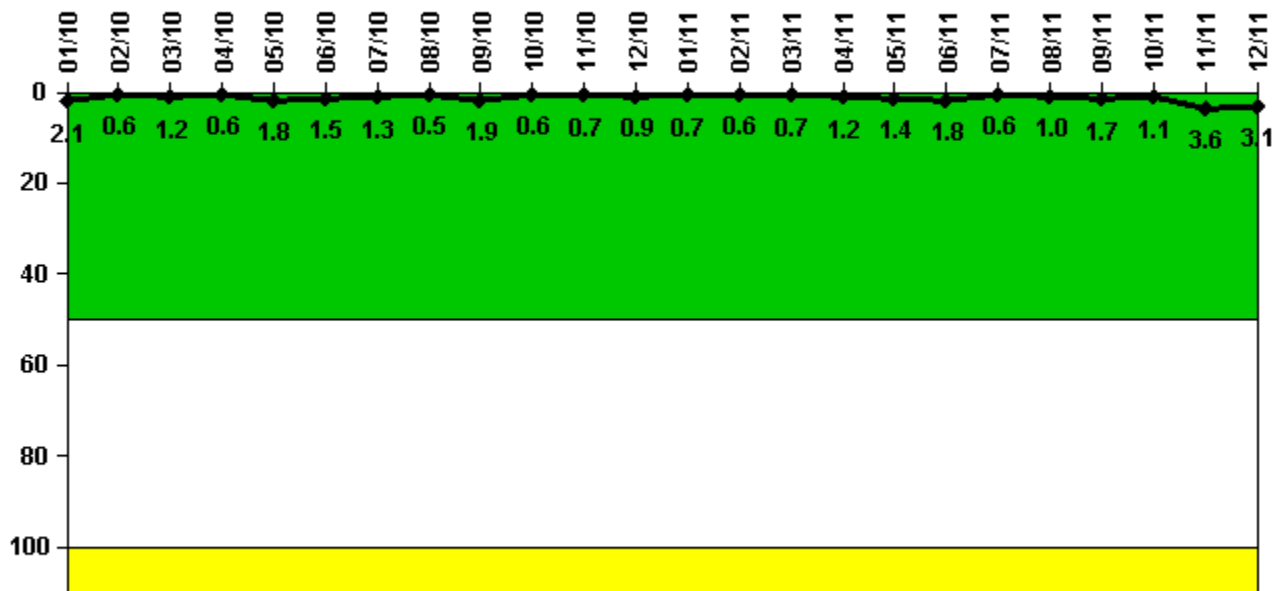
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	N/A	0.003270	0.002790	0.001160	0.001010	0.000996	0.000946	0.000902	0.001030	0.001090	0.001090	0.001020
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	0.9	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Reactor Coolant System Activity	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum activity	0.001140	0.001070	0.001060	0.001040	0.001110	0.001180	0.001150	0.001350	0.001220	0.001330	0.000374	0.000216
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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



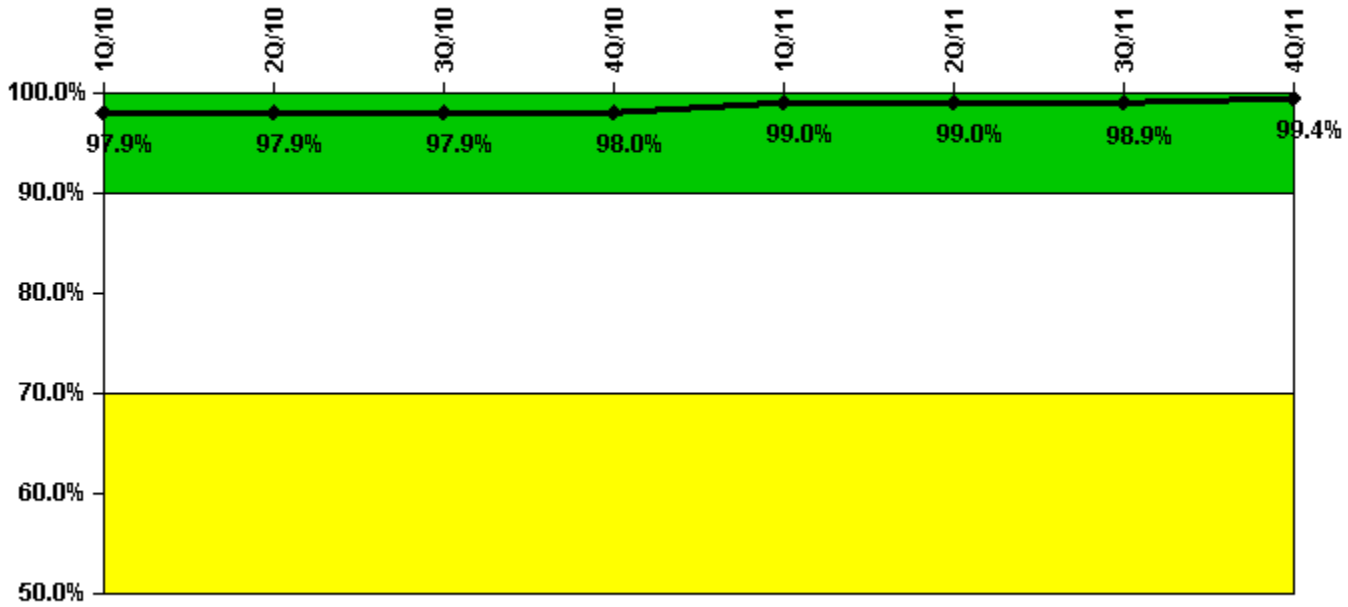
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.210	0.058	0.119	0.059	0.177	0.149	0.131	0.048	0.194	0.062	0.069	0.085
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	2.1	0.6	1.2	0.6	1.8	1.5	1.3	0.5	1.9	0.6	0.7	0.9
Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.071	0.058	0.074	0.122	0.136	0.184	0.058	0.096	0.165	0.114	0.362	0.308
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	0.7	0.6	0.7	1.2	1.4	1.8	0.6	1.0	1.7	1.1	3.6	3.1

Licensee Comments: none

Drill/Exercise Performance



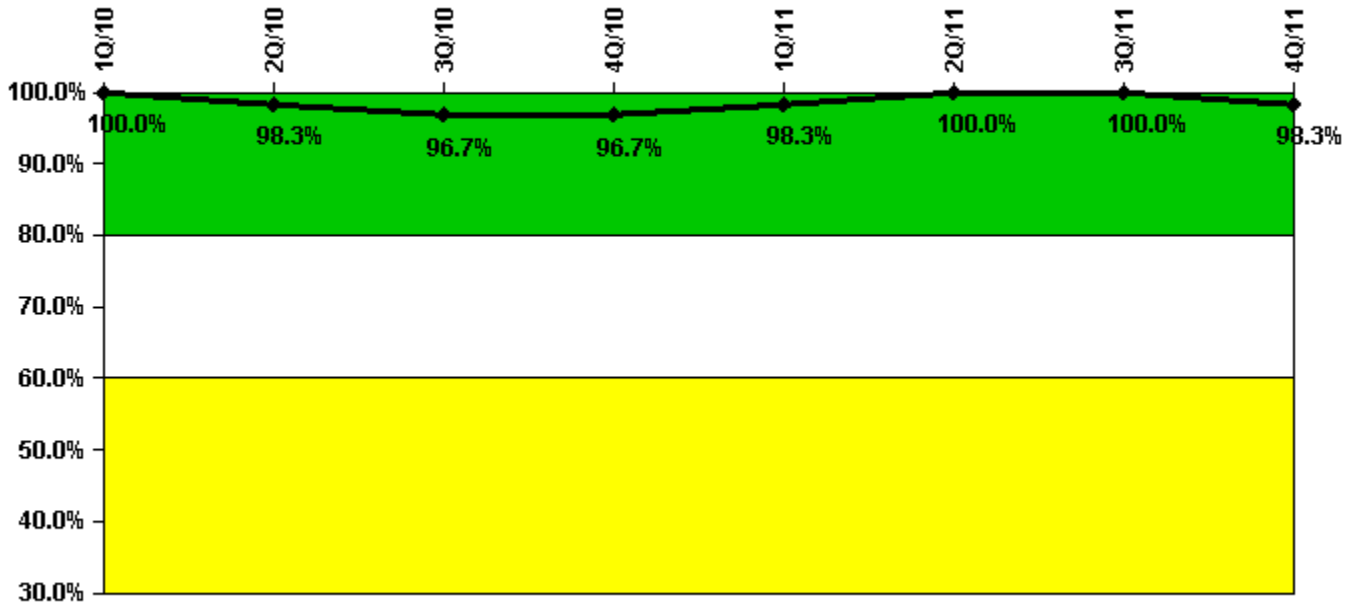
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	27.0	29.0	23.0	52.0	67.0	40.0	33.0	42.0
Total opportunities	27.0	30.0	23.0	52.0	68.0	40.0	33.0	42.0
Indicator value	97.9%	97.9%	97.9%	98.0%	99.0%	99.0%	98.9%	99.4%

Licensee Comments: none

ERO Drill Participation



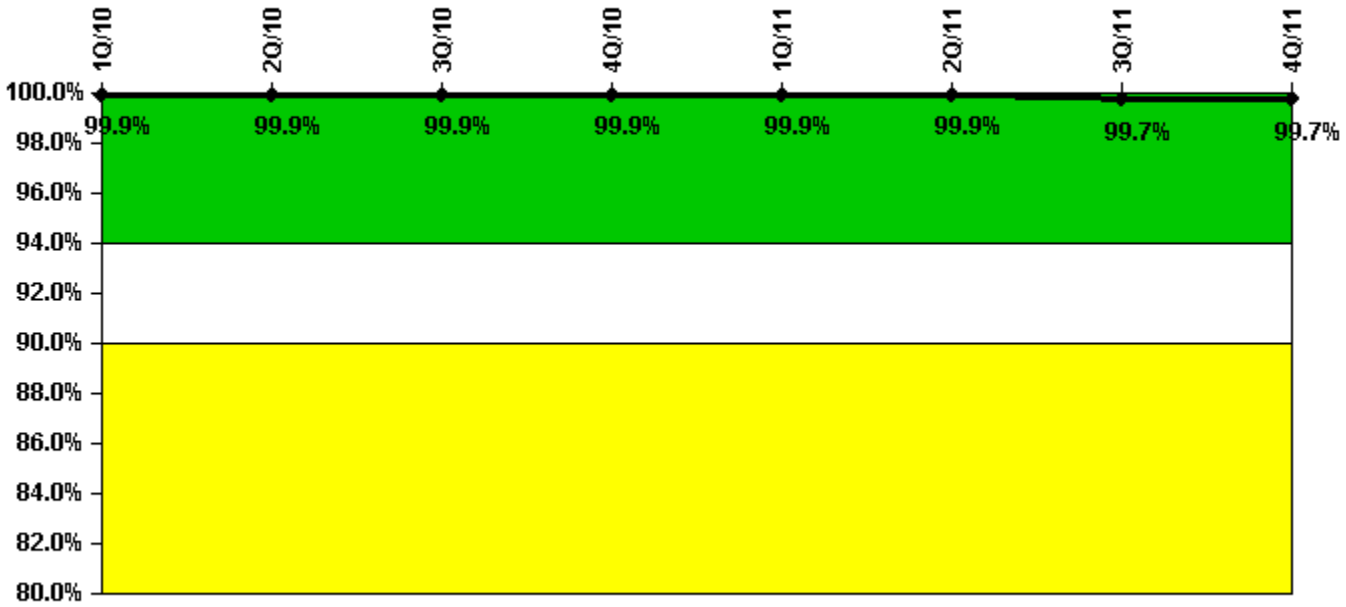
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	60.0	57.0	59.0	58.0	57.0	62.0	57.0	59.0
Total Key personnel	60.0	58.0	61.0	60.0	58.0	62.0	57.0	60.0
Indicator value	100.0%	98.3%	96.7%	96.7%	98.3%	100.0%	100.0%	98.3%

Licensee Comments: none

Alert & Notification System



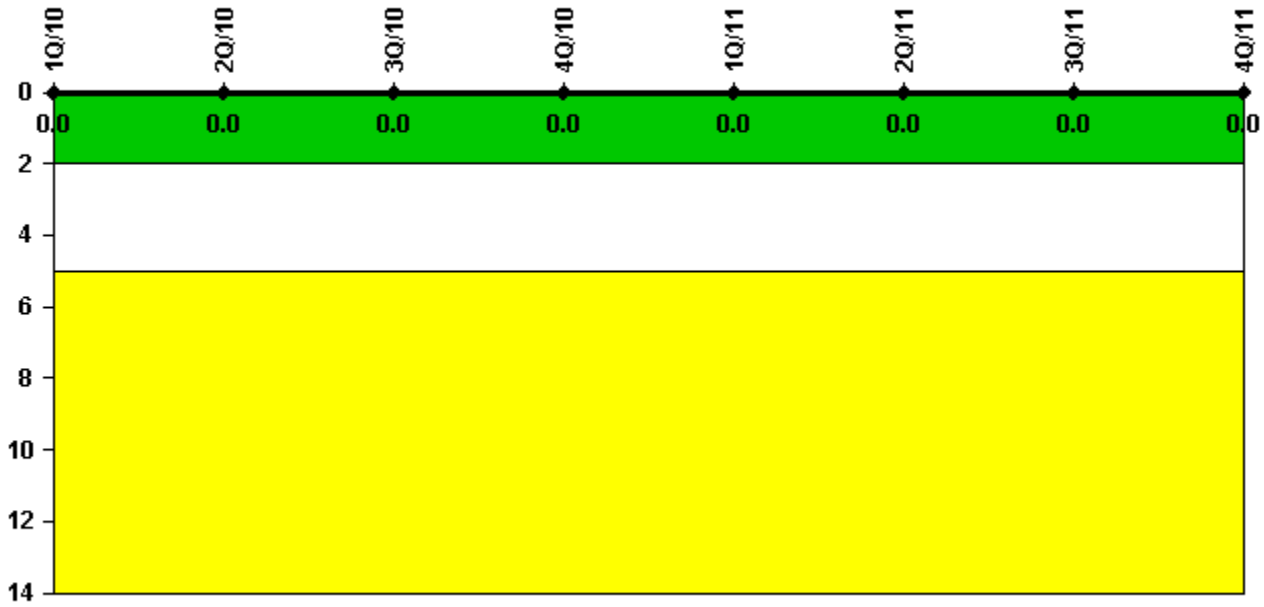
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	1150	1247	1343	1247	1247	1246	1239	1245
Total sirens-tests	1152	1248	1344	1248	1248	1248	1248	1248
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



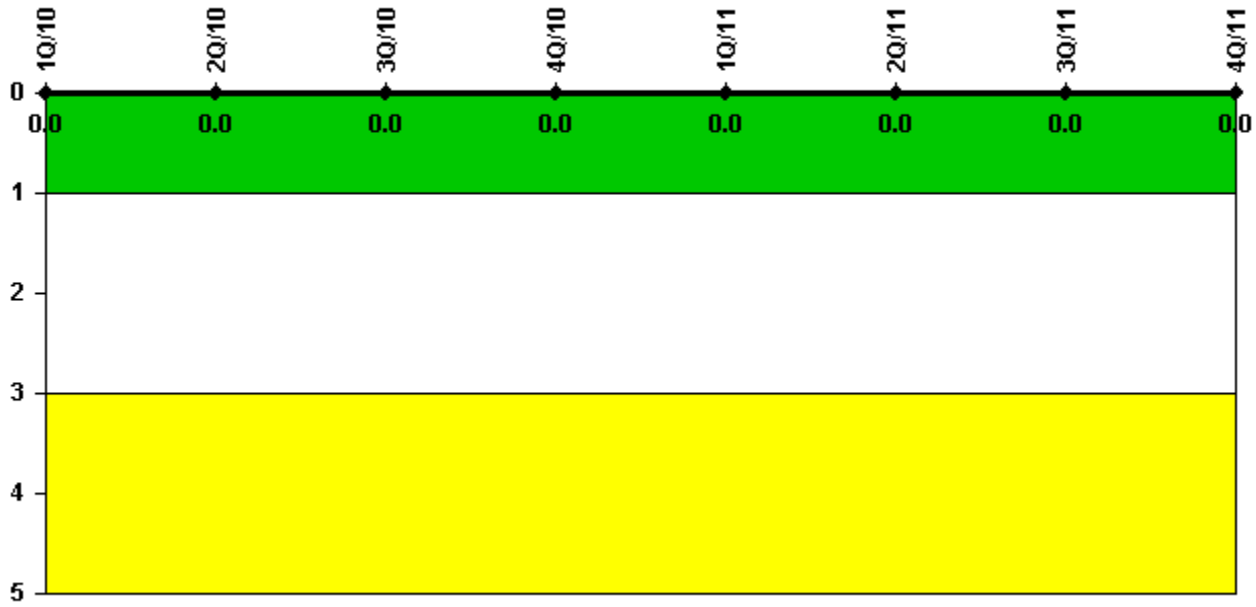
Thresholds: White > 2.0 Yellow > 5.0

Notes

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