

Three Mile Island 1

1Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



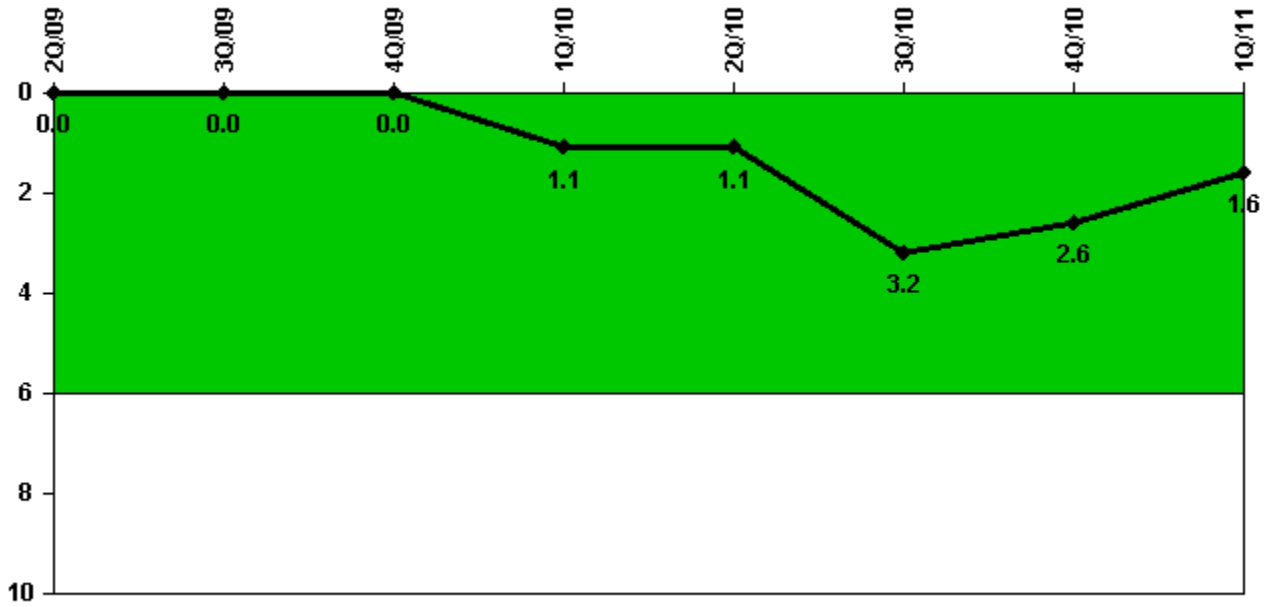
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	603.6	1595.8	2138.8	2208.0	2209.0	2159.0
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	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	1.0	0	2.0	0	0
Critical hours	2184.0	2208.0	603.6	1595.8	2138.8	2208.0	2209.0	2159.0
Indicator value	0	0	0	1.1	1.1	3.2	2.6	1.6

Licensee Comments: none

Unplanned Scrams with Complications



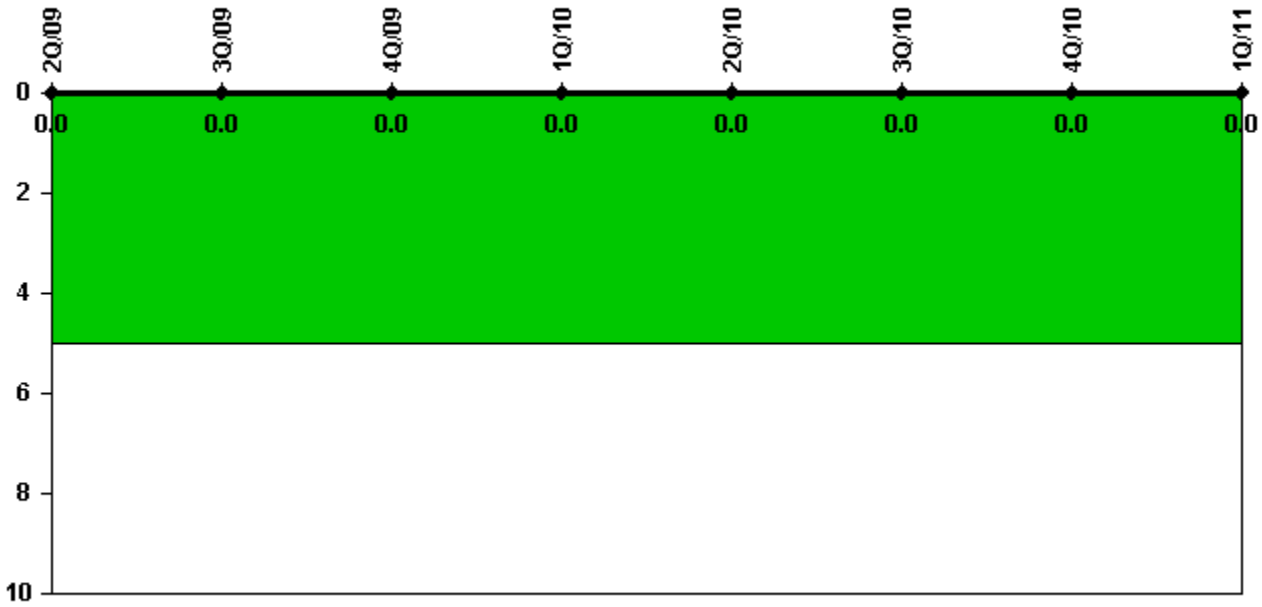
Thresholds: White > 1.0

Notes

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



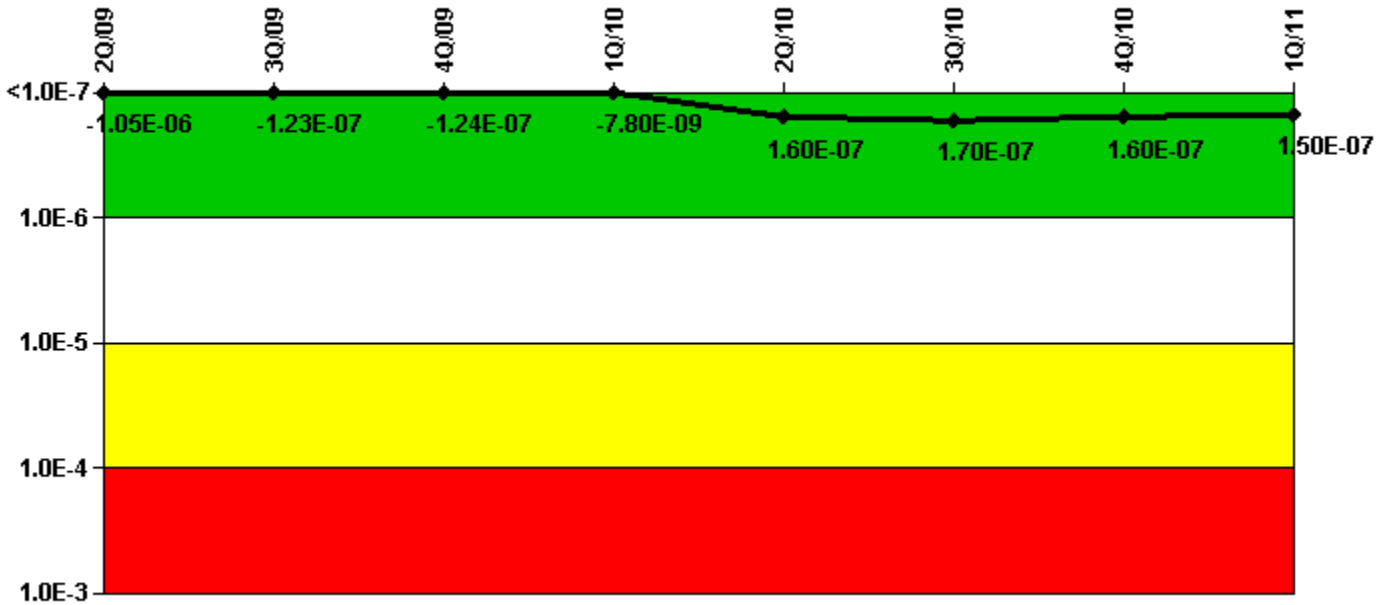
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/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



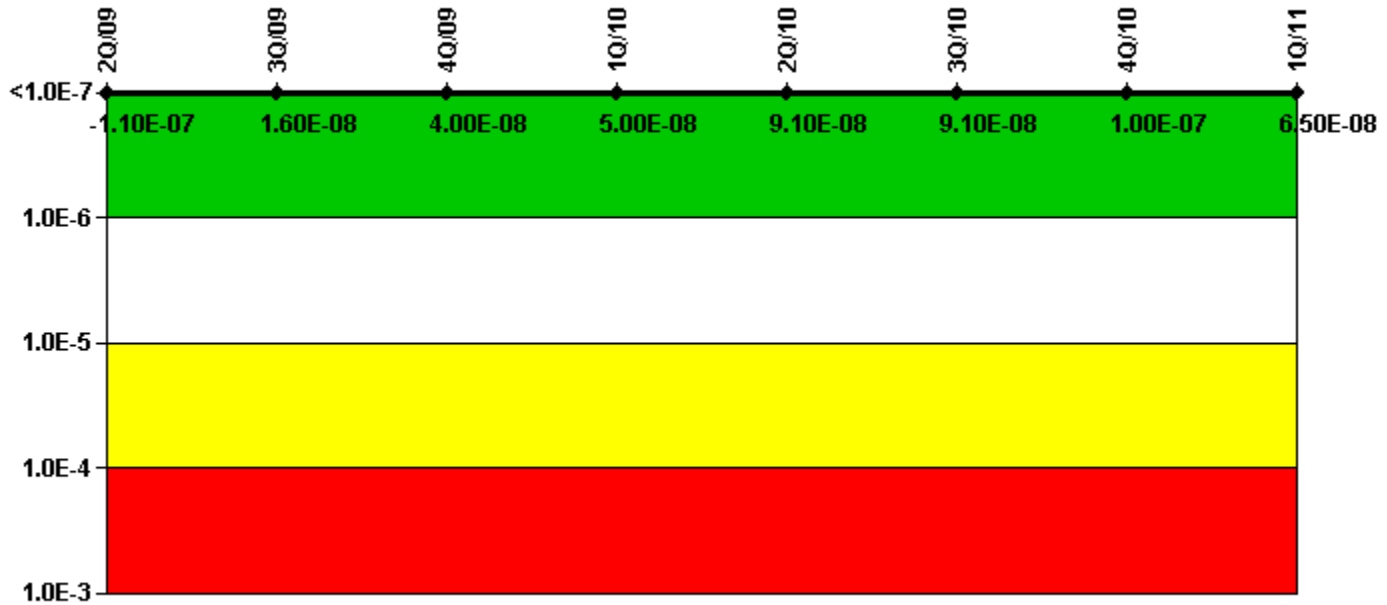
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-1.70E-07	-2.90E-08	-2.90E-08	-2.91E-08	-1.36E-08	-4.06E-09	-8.60E-09	-1.52E-08
URI (Δ CDF)	-8.80E-07	-9.40E-08	-9.50E-08	2.13E-08	1.73E-07	1.69E-07	1.69E-07	1.67E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.05E-06	-1.23E-07	-1.24E-07	-7.80E-09	1.60E-07	1.70E-07	1.60E-07	1.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



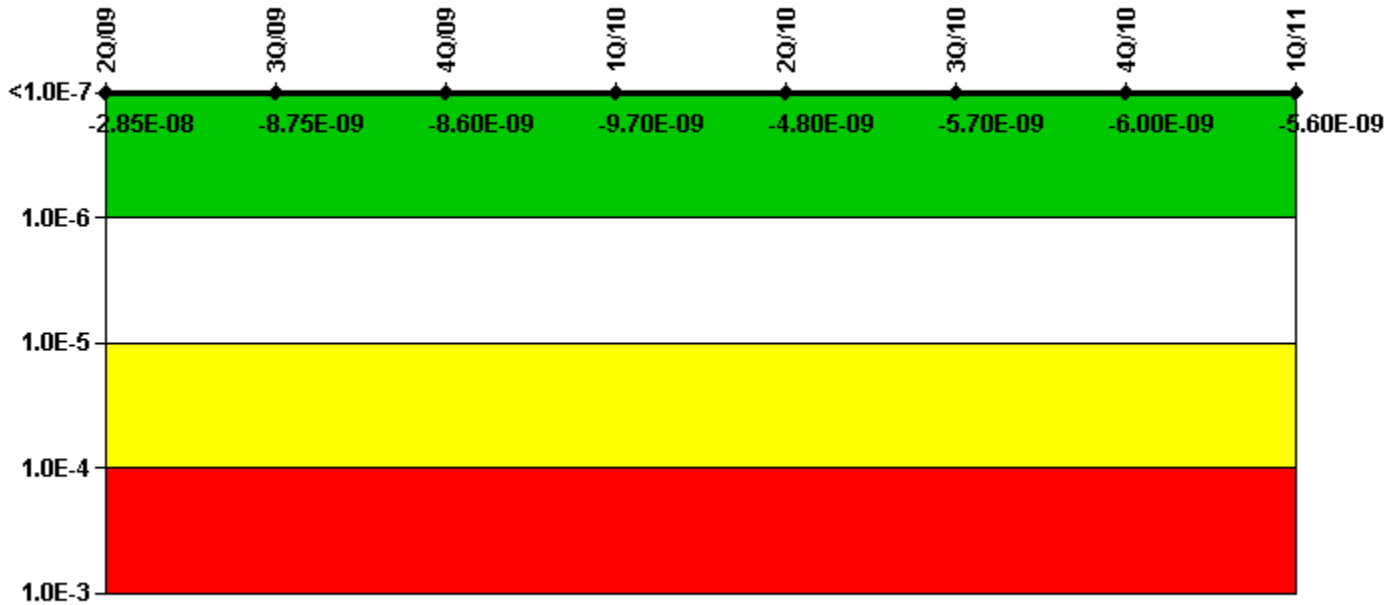
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	1.10E-07	4.30E-08	6.70E-08	7.66E-08	1.18E-07	1.18E-07	1.30E-07	9.19E-08
URI (Δ CDF)	-2.20E-07	-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	-1.10E-07	1.60E-08	4.00E-08	5.00E-08	9.10E-08	9.10E-08	1.00E-07	6.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



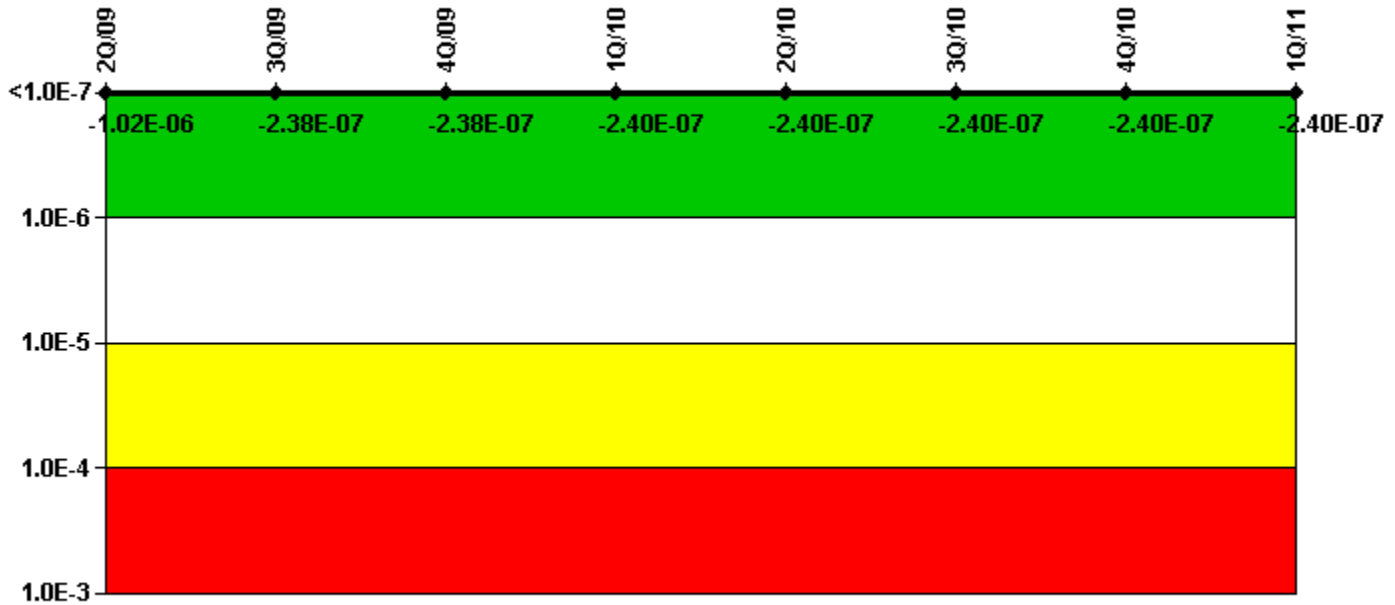
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	2.50E-09	9.50E-10	1.10E-09	3.45E-11	4.90E-09	4.03E-09	3.70E-09	4.13E-09
URI (Δ CDF)	-3.10E-08	-9.70E-09	-9.70E-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	-2.85E-08	-8.75E-09	-8.60E-09	-9.70E-09	-4.80E-09	-5.70E-09	-6.00E-09	-5.60E-09

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



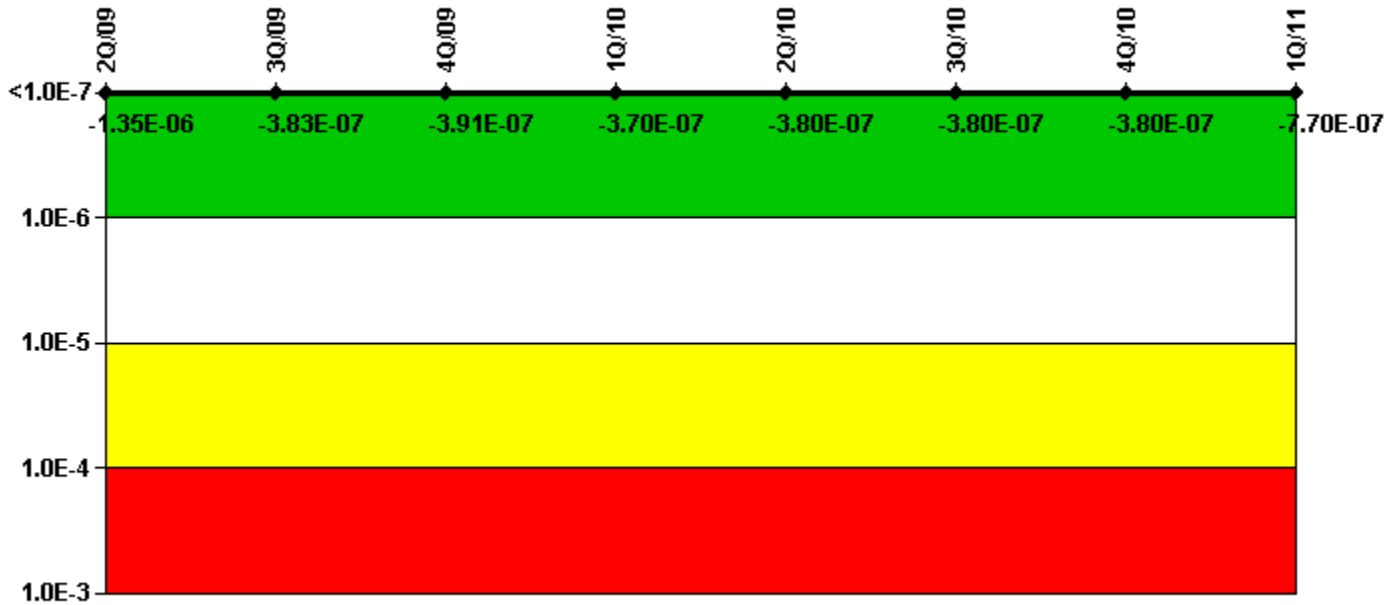
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-4.60E-08	-5.80E-08	-5.80E-08	-5.76E-08	-5.76E-08	-5.76E-08	-5.76E-08	-5.76E-08
URI (Δ CDF)	-9.70E-07	-1.80E-07	-1.80E-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	-1.02E-06	-2.38E-07	-2.38E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



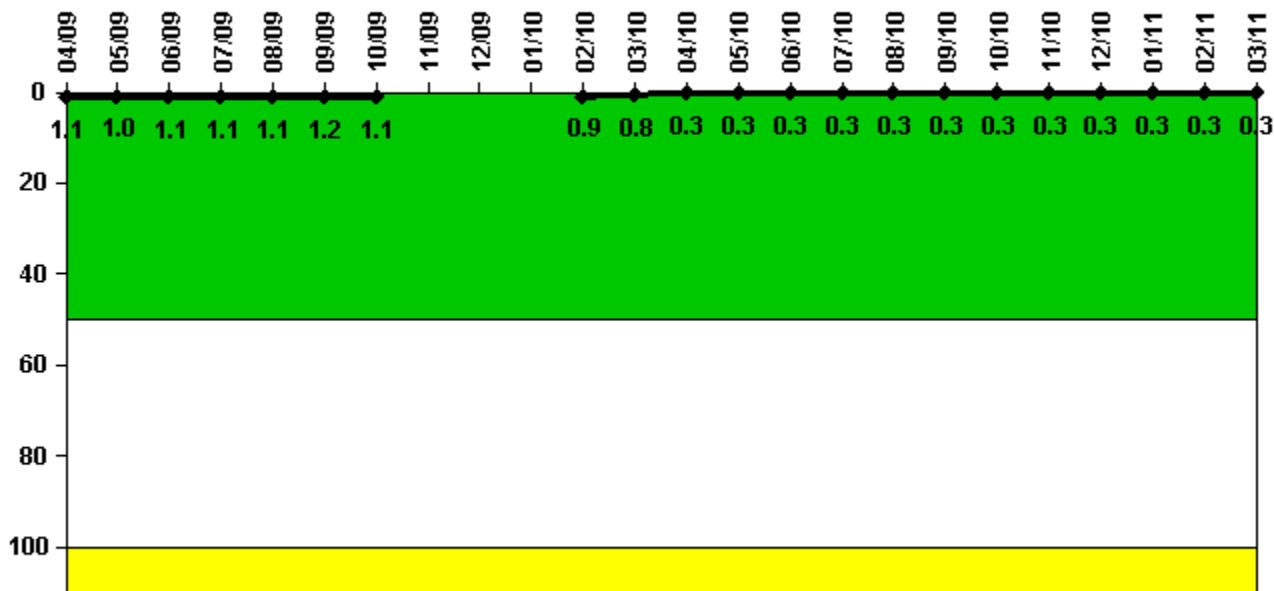
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	2.50E-07	3.70E-08	2.90E-08	4.52E-08	3.60E-08	3.60E-08	3.63E-08	-7.47E-09
URI (Δ CDF)	-1.60E-06	-4.20E-07	-4.20E-07	-4.19E-07	-4.19E-07	-4.19E-07	-4.19E-07	-7.59E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.35E-06	-3.83E-07	-3.91E-07	-3.70E-07	-3.80E-07	-3.80E-07	-3.80E-07	-7.70E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

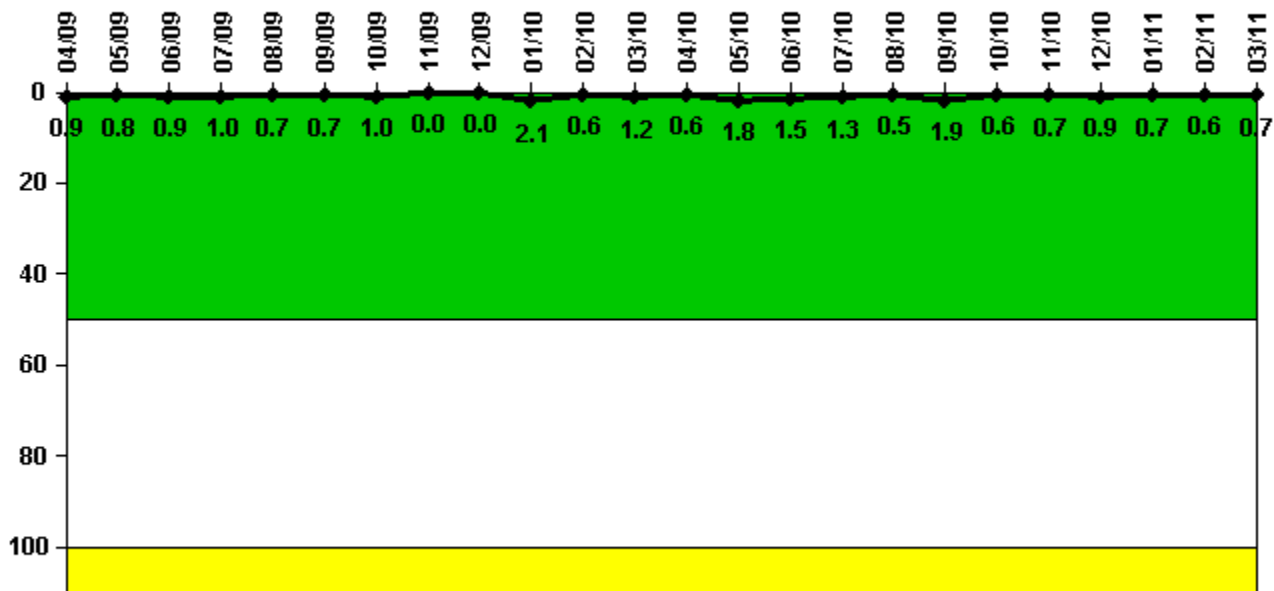
Notes

Reactor Coolant System Activity	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	0.003730	0.003610	0.003880	0.003930	0.003990	0.004160	0.003950	N/A	N/A	N/A	0.003270	0.002790
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	1.1	1.0	1.1	1.1	1.1	1.2	1.1	N/A	N/A	N/A	0.9	0.8

Reactor Coolant System Activity	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum activity	0.001160	0.001010	0.000996	0.000946	0.000902	0.001030	0.001090	0.001090	0.001020	0.001140	0.001070	0.001060
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	0.3	0.3	0.3	0.3	0.3

Licensee Comments: none

Reactor Coolant System Leakage



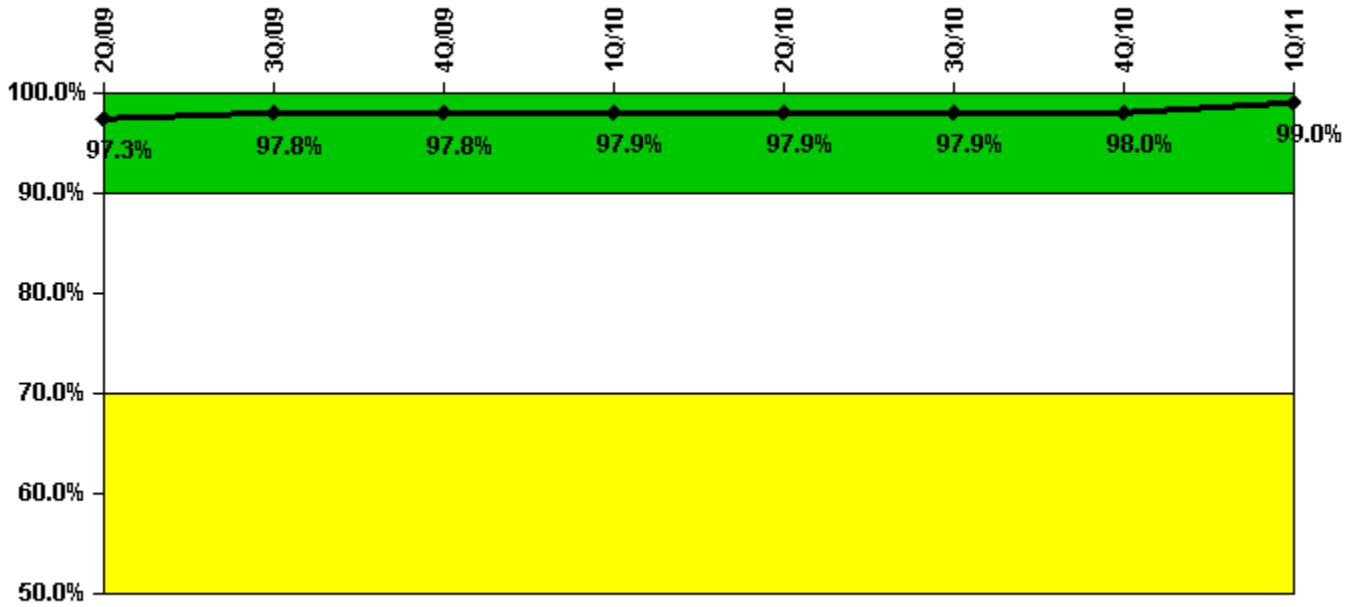
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.090	0.076	0.091	0.098	0.073	0.068	0.098	0	0	0.210	0.058	0.119
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	0.9	0.8	0.9	1.0	0.7	0.7	1.0	0	0	2.1	0.6	1.2
Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	0.059	0.177	0.149	0.131	0.048	0.194	0.062	0.069	0.085	0.071	0.058	0.074
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	0.6	1.8	1.5	1.3	0.5	1.9	0.6	0.7	0.9	0.7	0.6	0.7

Licensee Comments: none

Drill/Exercise Performance



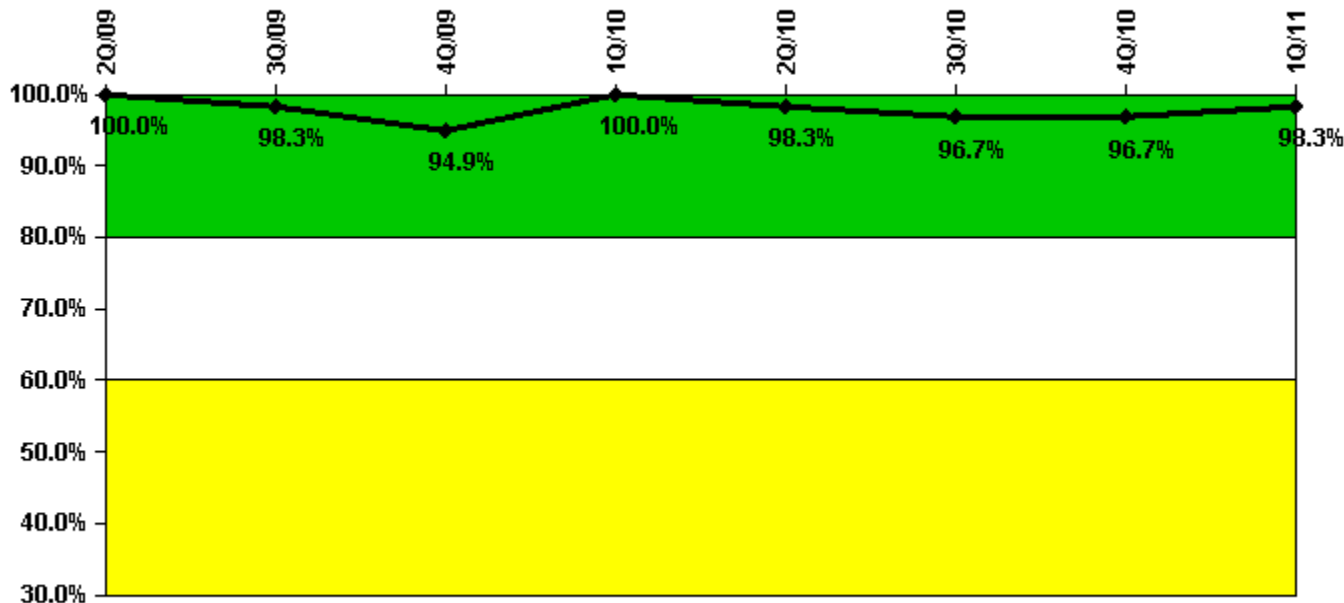
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	61.0	43.0	3.0	27.0	29.0	23.0	52.0	67.0
Total opportunities	61.0	43.0	4.0	27.0	30.0	23.0	52.0	68.0
Indicator value	97.3%	97.8%	97.8%	97.9%	97.9%	97.9%	98.0%	99.0%

License Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	60.0	57.0	56.0	60.0	57.0	59.0	58.0	57.0
Total Key personnel	60.0	58.0	59.0	60.0	58.0	61.0	60.0	58.0
Indicator value	100.0%	98.3%	94.9%	100.0%	98.3%	96.7%	96.7%	98.3%

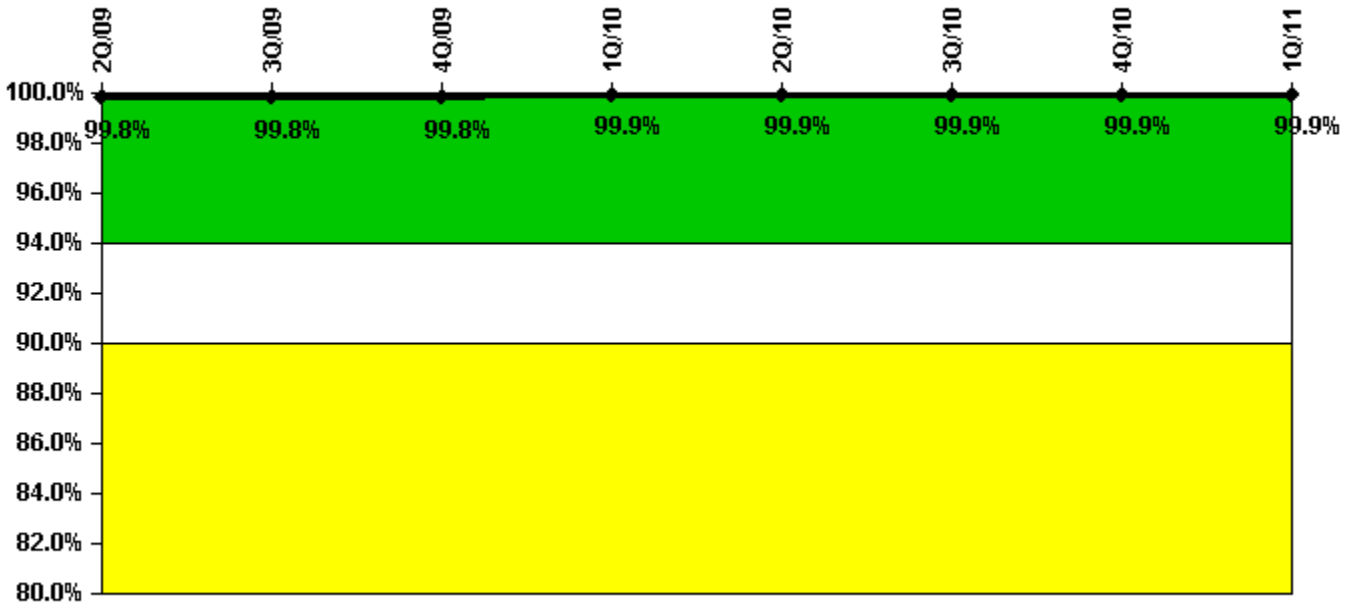
Licensee Comments:

4Q/10: Credit for the ERO Drill Participation performance indicator was incorrectly applied for newly appointed Key ERO members. The qualification drills for these individuals were counted in this Performance Indicator, but these drills were not evaluated for DEP PI purposes and therefore should not have counted for drill participation per guidance in NEI 99-01 rev 6. Procedures EP-AA-125-1002 and EP-AA-125-1003 did not provide the same level of detail as the NEI 99-1 guidance.

3Q/10: Corrected EOF Director participation, director added in August but did not have a DEP drill and was not included in the total number of ERO members initially reported. EP02 data for 3Q10 is contained in change file dated 01/24/11.

2Q/10: Credit for the ERO Drill Participation performance indicator was incorrectly applied for newly appointed Key ERO members. The qualification drills for these individuals were counted in this Performance Indicator, but these drills were not evaluated for DEP PI purposes and therefore should not have counted for drill participation per guidance in NEI 99-01 rev 6. Procedures EP-AA-125-1002 and EP-AA-125-1003 did not provide the same level of detail as the NEI 99-1 guidance.

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	1246	1247	1343	1150	1247	1343	1247	1247
Total sirens-tests	1248	1248	1344	1152	1248	1344	1248	1248
Indicator value	99.8%	99.8%	99.8%	99.9%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



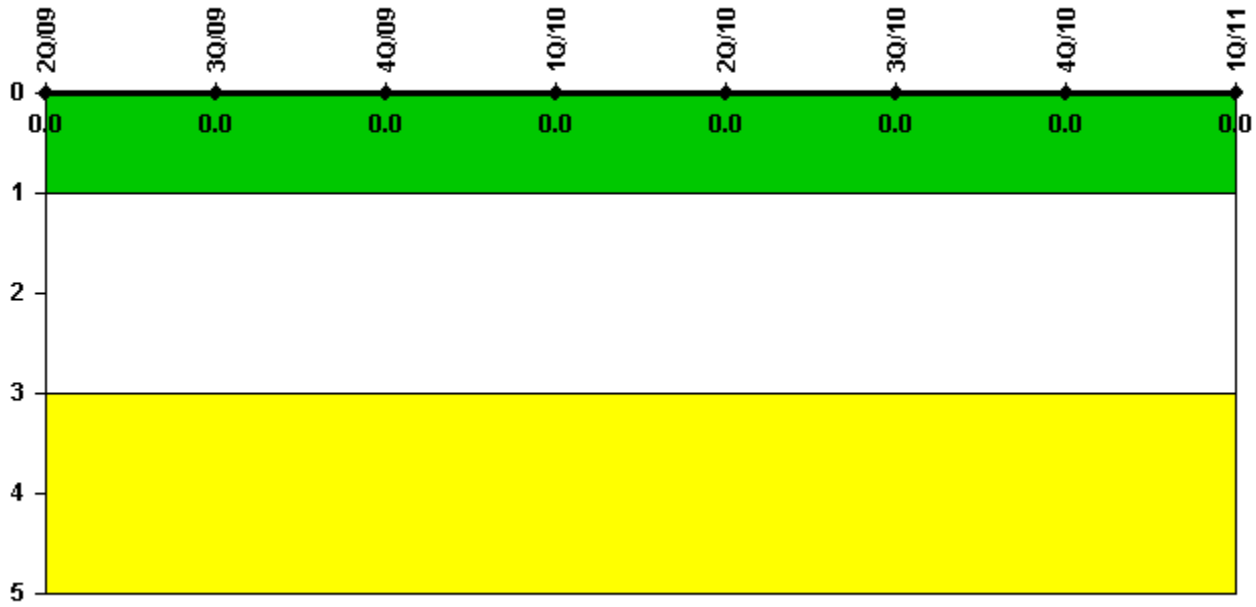
Thresholds: White > 2.0 Yellow > 5.0

Notes

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