

FitzPatrick

4Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



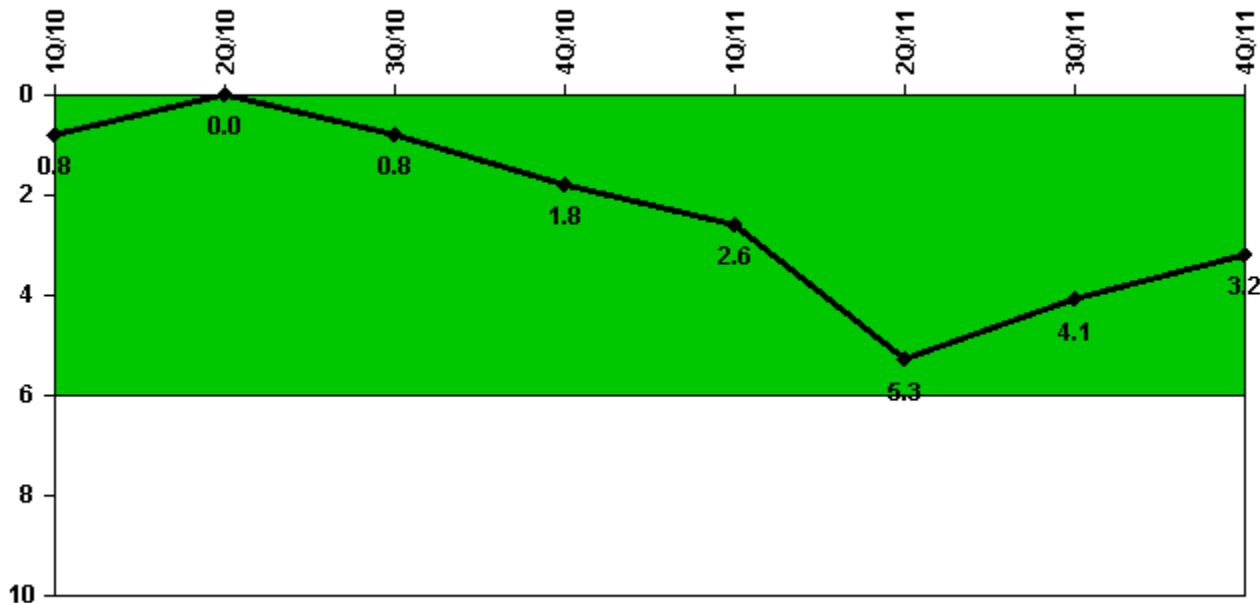
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	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	2159.0	2184.0	1760.5	1890.1	2159.0	2184.0	2208.0	2209.0
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	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	1.0	1.0	1.0	3.0	0	0
Critical hours	2159.0	2184.0	1760.5	1890.1	2159.0	2184.0	2208.0	2209.0
Indicator value	0.8	0	0.8	1.8	2.6	5.3	4.1	3.2

Licensee Comments:

4Q/11: A Power Change affecting May 2011 was changed to Unplanned based on a review by the Senior Resident Inspector. It involved a failed tube in the main condenser. Two (2) Power changes affecting June 2011 were reviewed by the Senior Resident inspector and by the ROP via the FAQ process. These two Power Changes were updated to Unplanned. They were caused by fouling of the main condenser due to maintenance work.

2Q/11: Based on review with the Resident Inspector 1 power change in May was reclassified as unplanned. Two down powers in June were reviewed through the FAQ process and determined to not meet the NEI 99-02 environmental exclusion and were reclassified as unplanned.

Unplanned Scrams with Complications



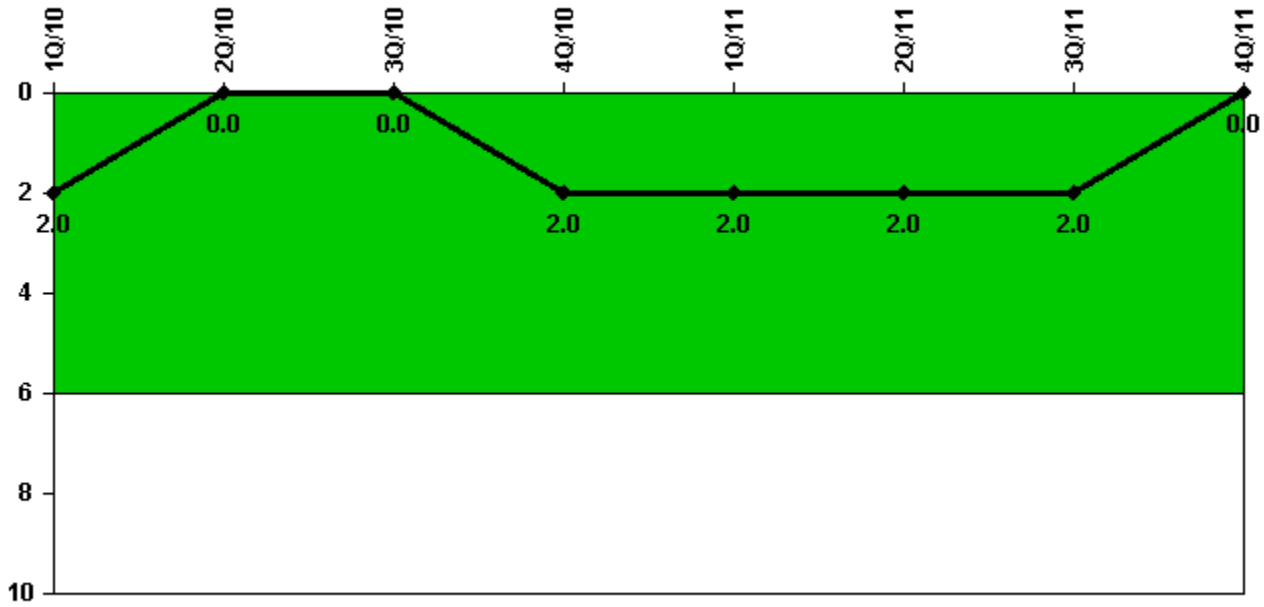
Thresholds: White > 1.0

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 (BWR)



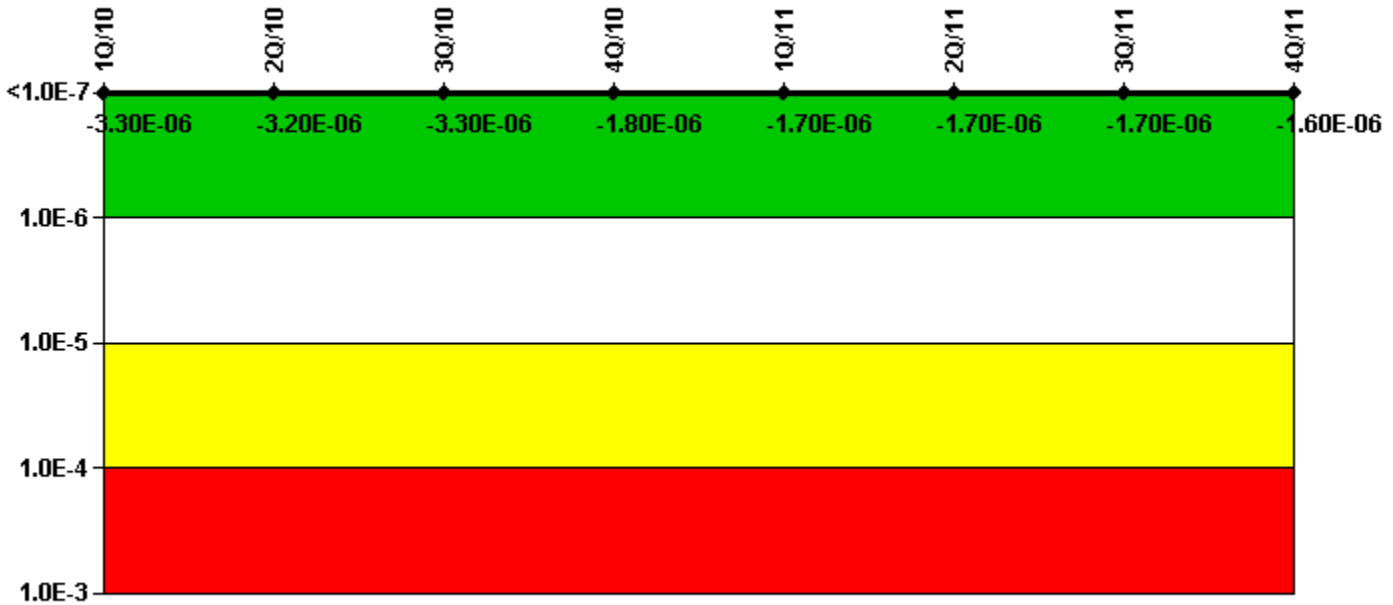
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



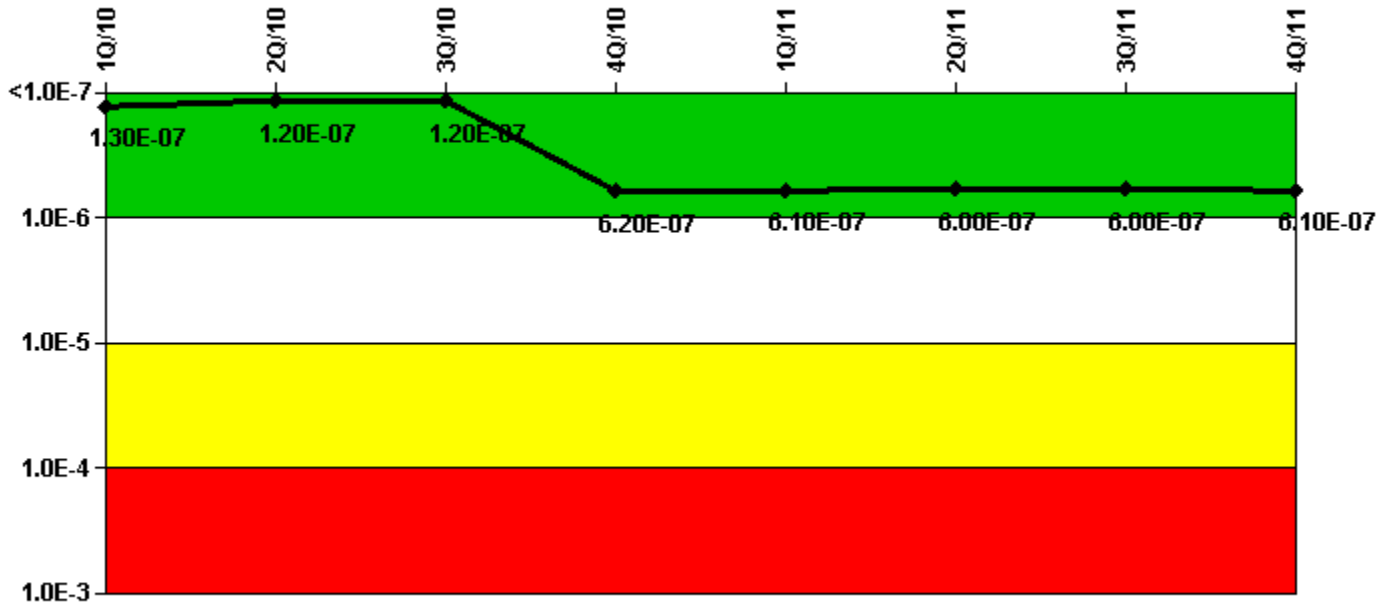
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	2.86E-08	2.54E-08	2.15E-08	7.03E-09	7.25E-09	8.43E-09	7.54E-09	8.45E-09
URI (Δ CDF)	-3.28E-06	-3.26E-06	-3.31E-06	-1.77E-06	-1.71E-06	-1.74E-06	-1.68E-06	-1.66E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.30E-06	-3.20E-06	-3.30E-06	-1.80E-06	-1.70E-06	-1.70E-06	-1.70E-06	-1.60E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

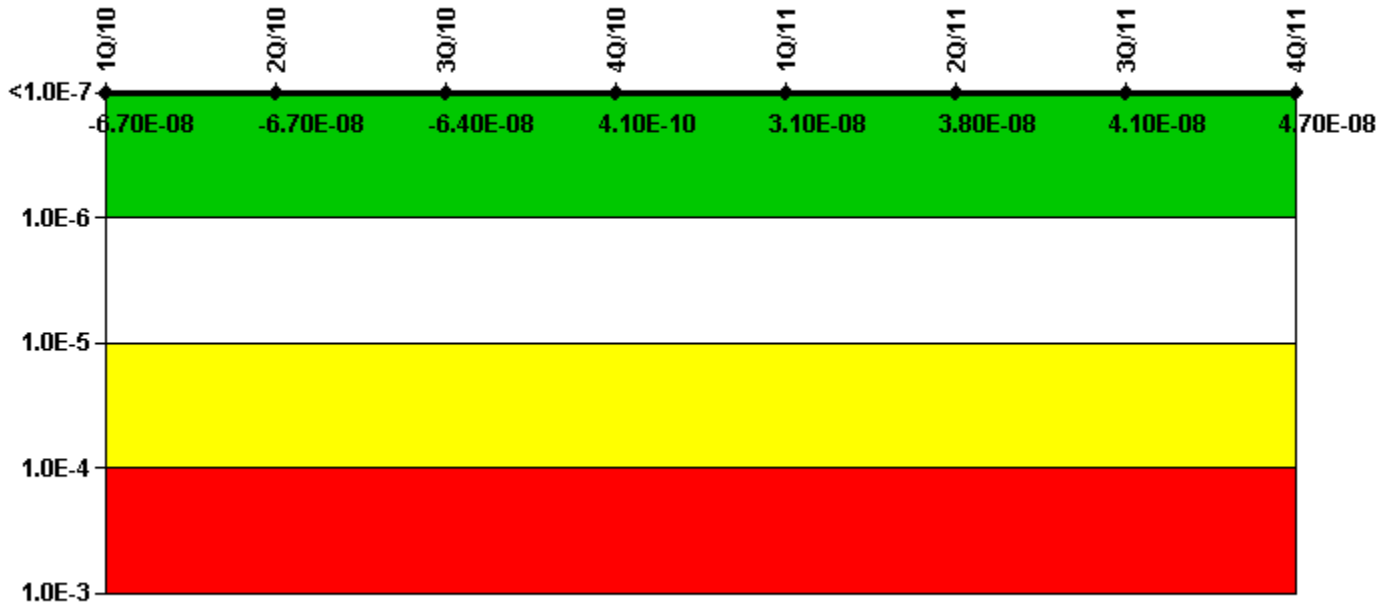
Notes

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)	5.68E-08	3.97E-08	4.29E-08	1.19E-07	1.23E-07	1.11E-07	1.06E-07	1.06E-07
URI (Δ CDF)	6.96E-08	7.58E-08	7.89E-08	5.03E-07	4.85E-07	4.94E-07	4.94E-07	5.03E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.30E-07	1.20E-07	1.20E-07	6.20E-07	6.10E-07	6.00E-07	6.00E-07	6.10E-07

Licensee Comments:

4Q/10: MSPI Basis Document was revised to incorporate the 2009 PSA Model Update. The update resulted in deletion of 2 MOVs in the High Pressure Coolant Injection System and changes to most PSA values. Changes were incorporated effective for four Quarter 2010.

Mitigating Systems Performance Index, Heat Removal System



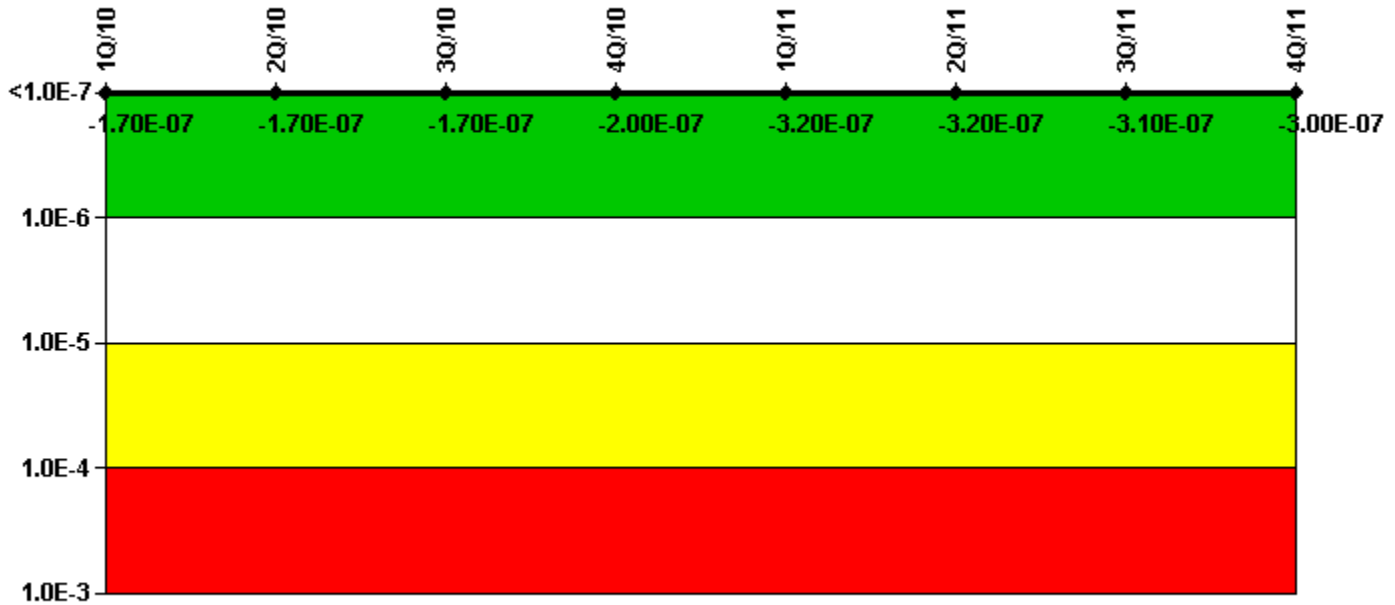
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-1.47E-08	-1.42E-08	-9.55E-09	1.32E-08	-3.32E-09	4.46E-09	8.93E-09	1.32E-08
URI (Δ CDF)	-5.24E-08	-5.24E-08	-5.49E-08	-1.28E-08	3.41E-08	3.40E-08	3.17E-08	3.41E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.70E-08	-6.70E-08	-6.40E-08	4.10E-10	3.10E-08	3.80E-08	4.10E-08	4.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



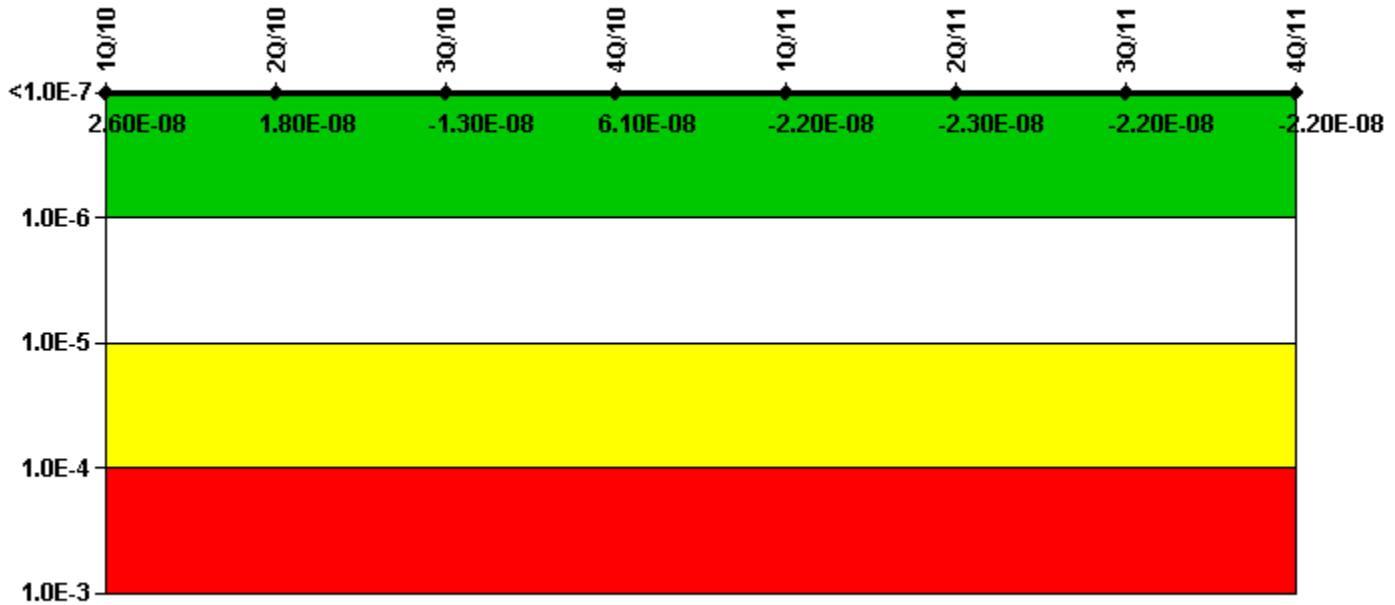
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	3.48E-08	3.48E-08	3.82E-08	8.69E-08	-3.76E-08	-3.12E-08	-3.60E-08	-3.82E-08
URI (Δ CDF)	-2.02E-07	-2.04E-07	-2.08E-07	-2.88E-07	-2.87E-07	-2.84E-07	-2.75E-07	-2.67E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-07	-1.70E-07	-1.70E-07	-2.00E-07	-3.20E-07	-3.20E-07	-3.10E-07	-3.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



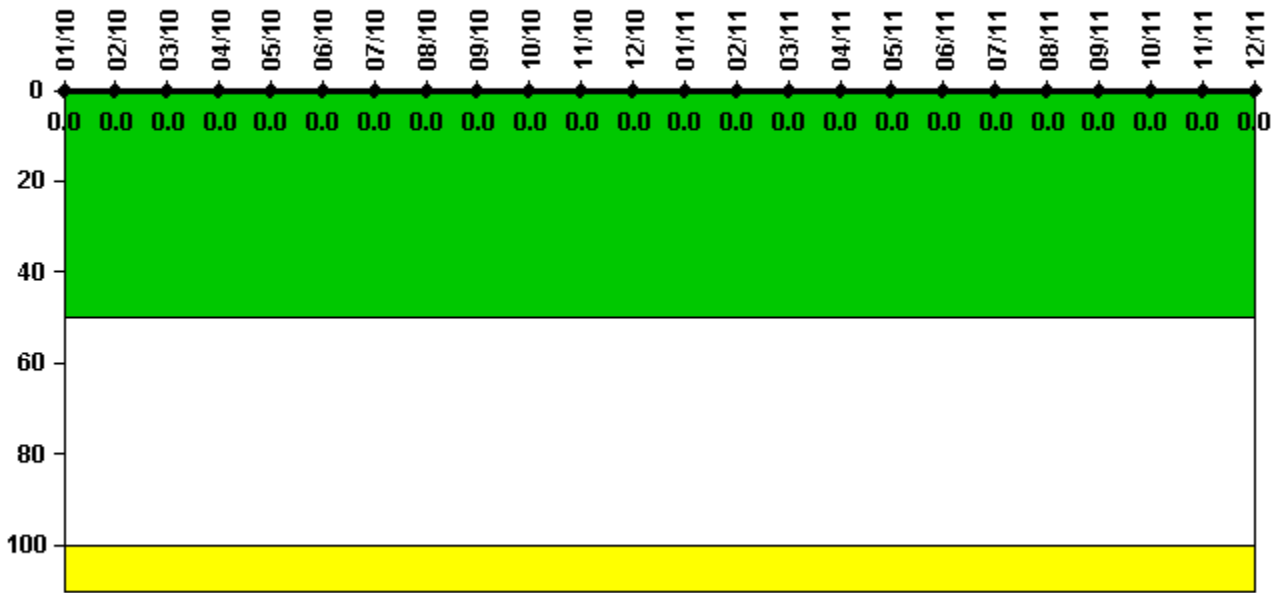
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	6.35E-08	6.34E-08	3.46E-08	7.25E-08	-1.04E-08	-1.04E-08	-1.04E-08	-1.04E-08
URI (Δ CDF)	-3.78E-08	-4.57E-08	-4.73E-08	-1.18E-08	-1.20E-08	-1.23E-08	-1.17E-08	-1.16E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.60E-08	1.80E-08	-1.30E-08	6.10E-08	-2.20E-08	-2.30E-08	-2.20E-08	-2.20E-08

Licensee Comments: none

Reactor Coolant System Activity



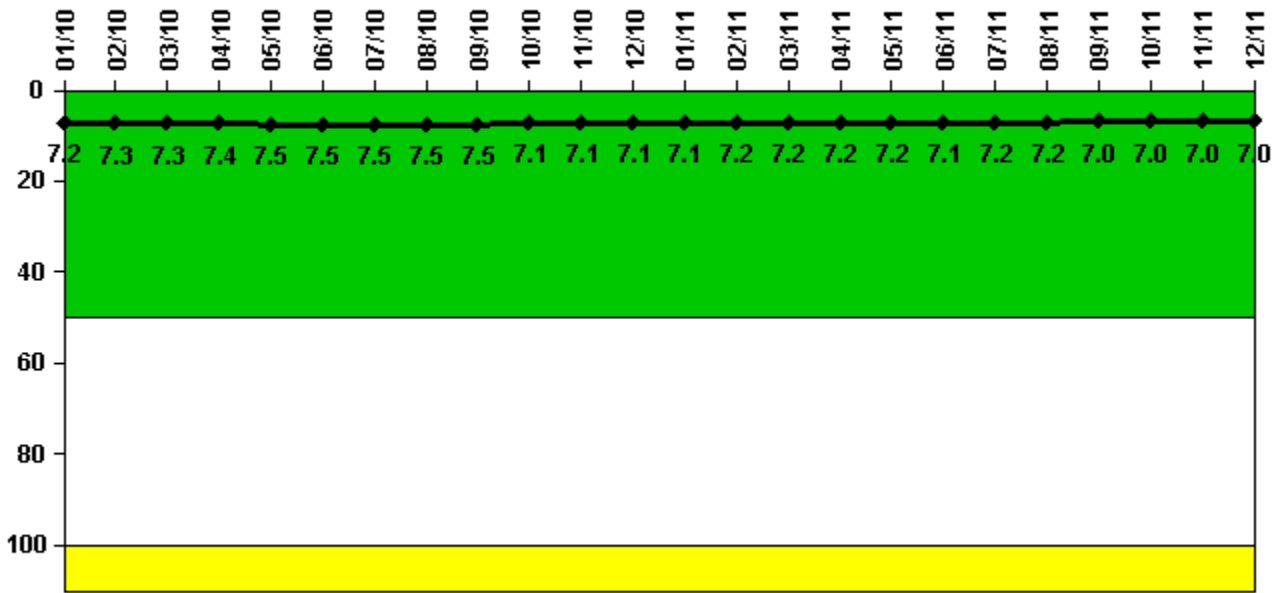
Thresholds: White > 50.0 Yellow > 100.0

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	0.000046	0.000044	0.000052	0.000038	0.000051	0.000039	0.000061	0.000041	0.000040	0.000013	0.000017	0.000018
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	0	0	0	0	0	0	0	0	0	0
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	0.000029	0.000015	0.000015	0.000023	0.000042	0.000019	0.000015	0.000018	0.000020	0.000015	0.000012	0.000024
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	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



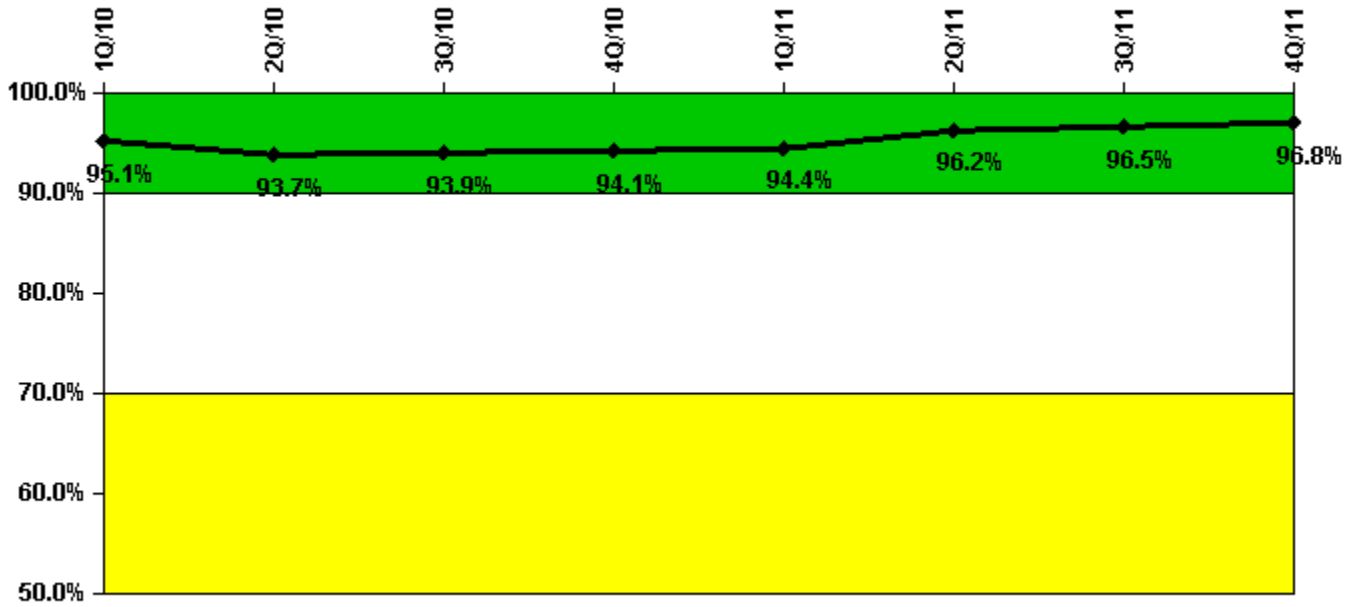
Thresholds: White > 50.0 Yellow > 100.0

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	1.800	1.830	1.830	1.850	1.880	1.880	1.880	1.880	1.880	1.770	1.770	1.770
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	7.3	7.3	7.4	7.5	7.5	7.5	7.5	7.5	7.1	7.1	7.1
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	1.780	1.790	1.790	1.790	1.790	1.780	1.800	1.800	1.750	1.740	1.740	1.740
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	7.1	7.2	7.2	7.2	7.2	7.1	7.2	7.2	7.0	7.0	7.0	7.0

Licensee Comments: none

Drill/Exercise Performance



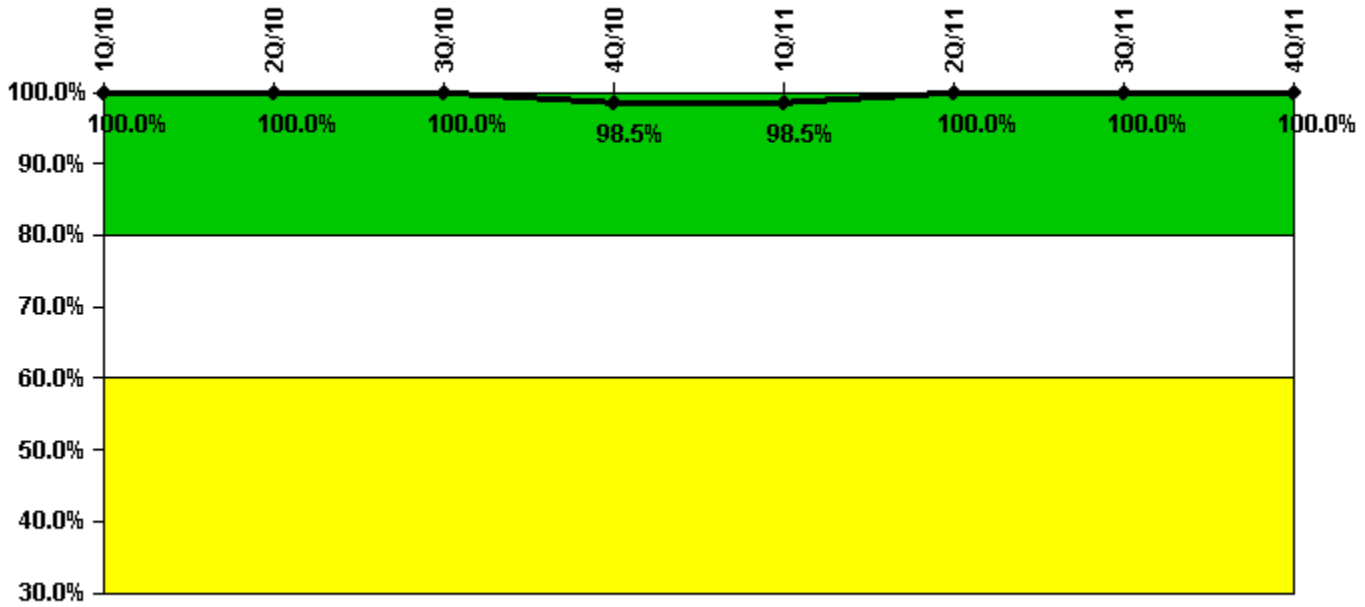
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	48.0	26.0	14.0	19.0	18.0	58.0	25.0	7.0
Total opportunities	50.0	28.0	14.0	20.0	18.0	58.0	26.0	8.0
Indicator value	95.1%	93.7%	93.9%	94.1%	94.4%	96.2%	96.5%	96.8%

Licensee Comments: none

ERO Drill Participation



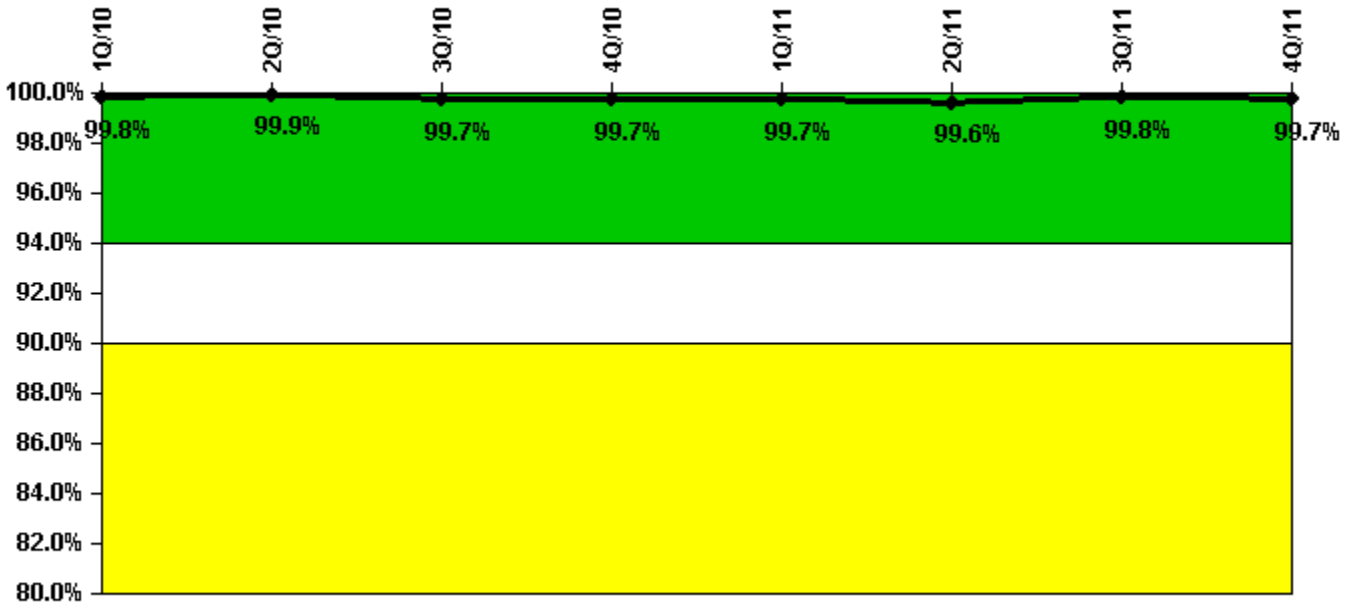
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	66.0	66.0	65.0	65.0	66.0	67.0	73.0	74.0
Total Key personnel	66.0	66.0	65.0	66.0	67.0	67.0	73.0	74.0
Indicator value	100.0%	100.0%	100.0%	98.5%	98.5%	100.0%	100.0%	100.0%

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	259	259	256	296	222	258	258	295
Total sirens-tests	259	259	259	296	222	259	259	296
Indicator value	99.8%	99.9%	99.7%	99.7%	99.7%	99.6%	99.8%	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

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