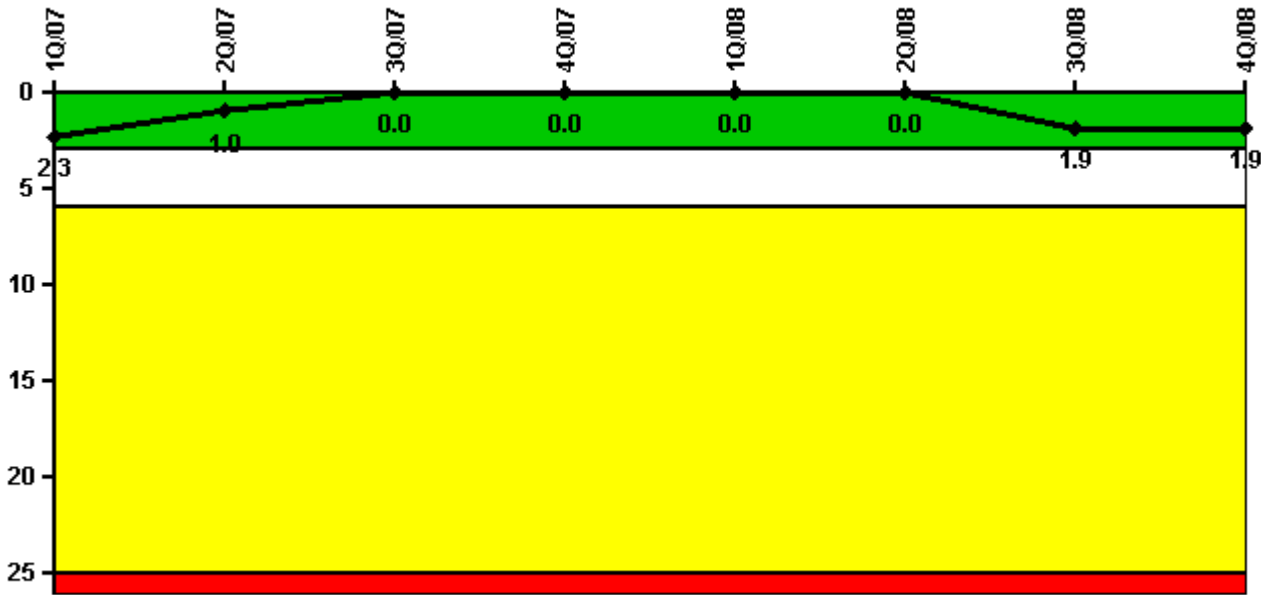


Watts Bar 1

4Q/2008 Performance Indicators

Licensee's General Comments: MS10 data change for 2Q2008 subsequently changed the 3Q2008 data and was reverified and re-approved by Engineering. This change did not affect the color of the indicator.

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

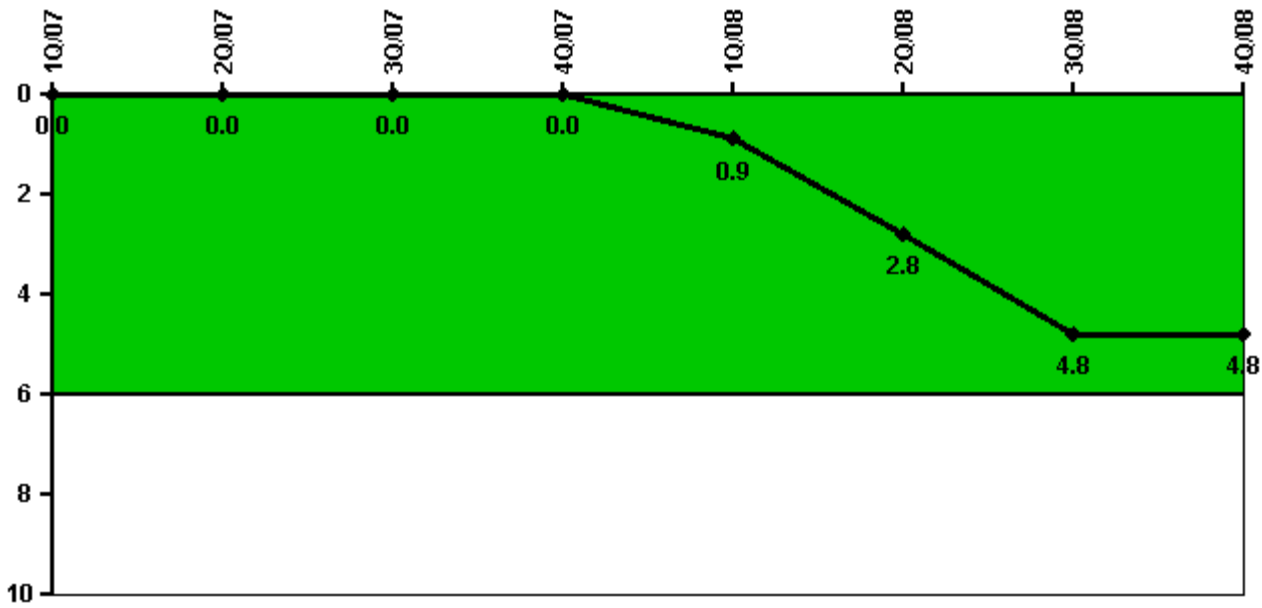
Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	0	0	0	0	0	0	2.0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1164.2	2004.3	1930.2	2209.0
Indicator value	2.3	1.0	0	0	0	0	1.9	1.9

Licensee Comments:

2Q/08: 4QCY2008 - Changed the Unplanned Scram to a Shutdown per operating procedures because of a misintepretation of whether to count as a Scram. 2QCY2008 corrected iaw PER 152109 (Failed to count forced outage as a downpower). This change does not affect the color of the indicator.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	0	0	1.0	2.0	2.0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1164.2	2004.3	1930.2	2209.0
Indicator value	0	0	0	0	0.9	2.8	4.8	4.8

Licensee Comments: none

Unplanned Scrams with Complications



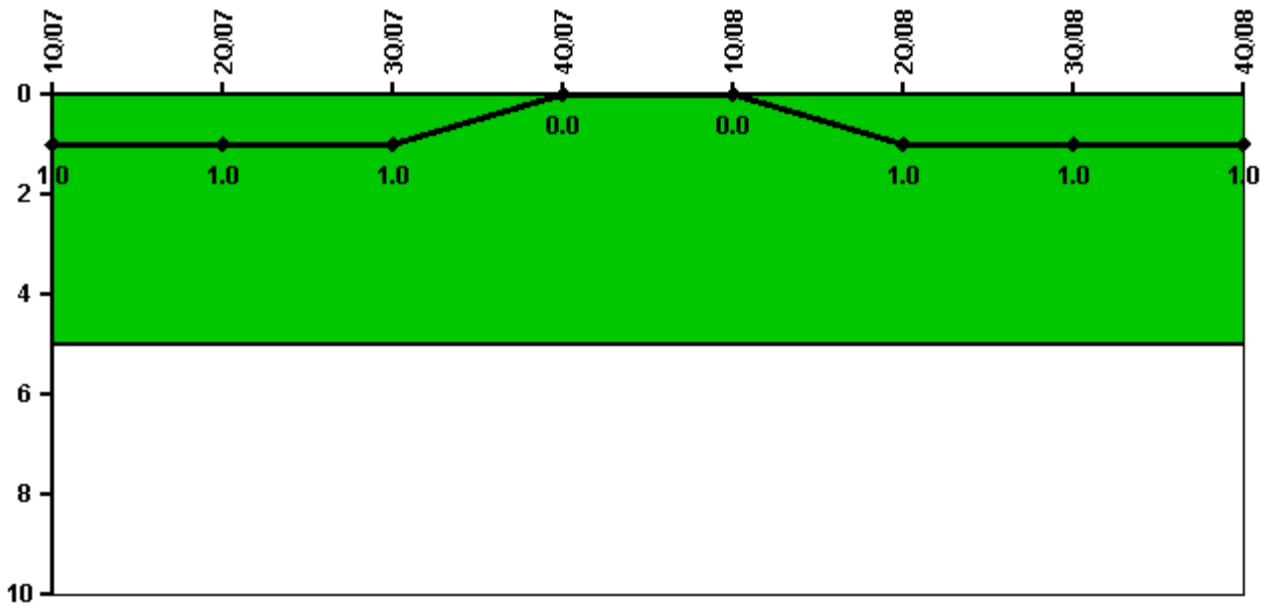
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
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

Licensee Comments: none

Safety System Functional Failures (PWR)



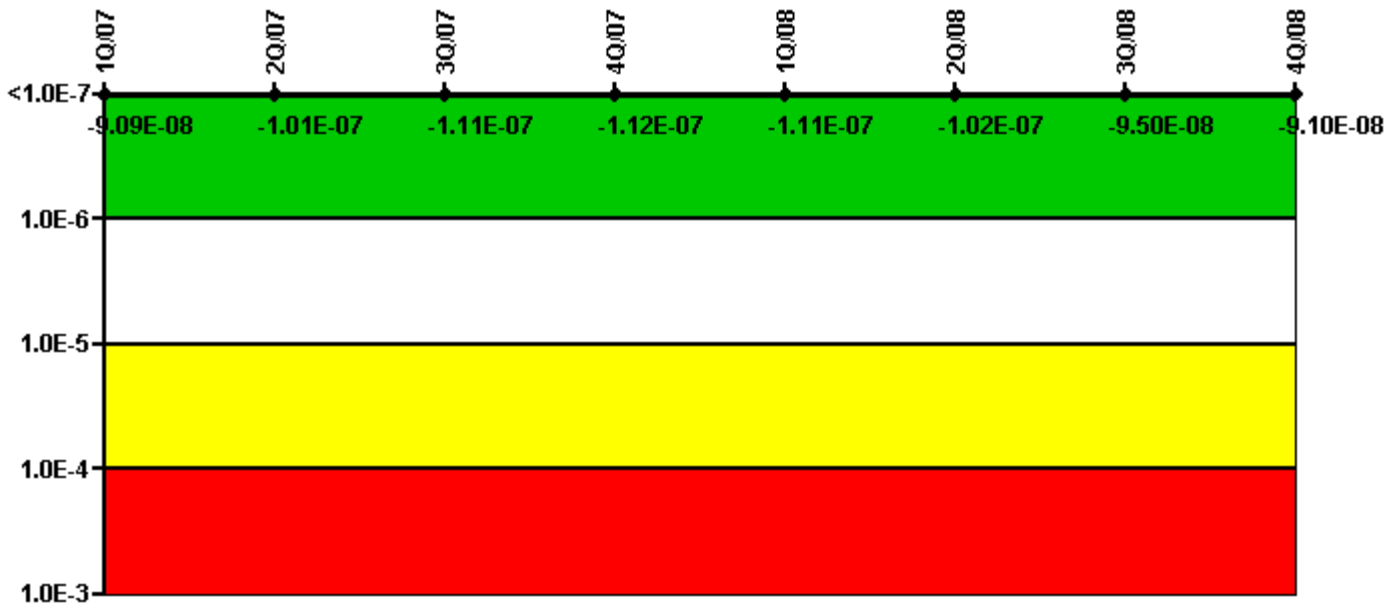
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	1	1	1	0	0	1	1	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



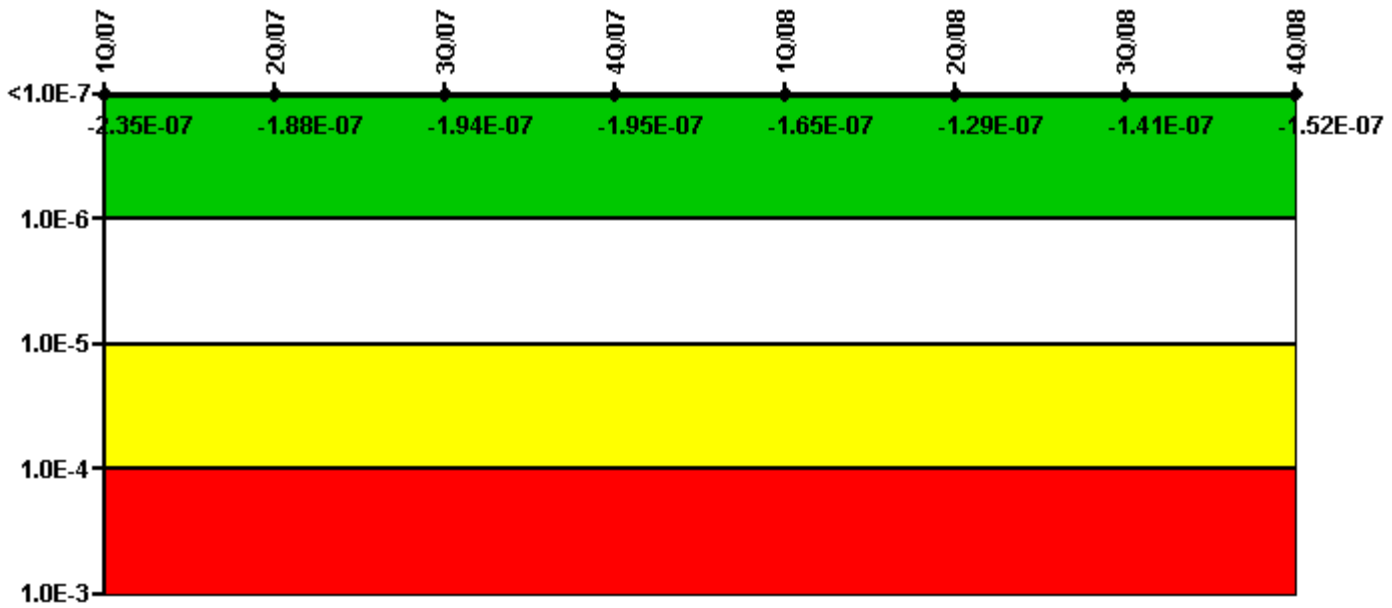
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	2.10E-09	2.90E-08	1.90E-08	1.80E-08	1.90E-08	2.80E-08	3.50E-08	3.90E-08
URI (Δ CDF)	-9.30E-08	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.09E-08	-1.01E-07	-1.11E-07	-1.12E-07	-1.11E-07	-1.02E-07	-9.50E-08	-9.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



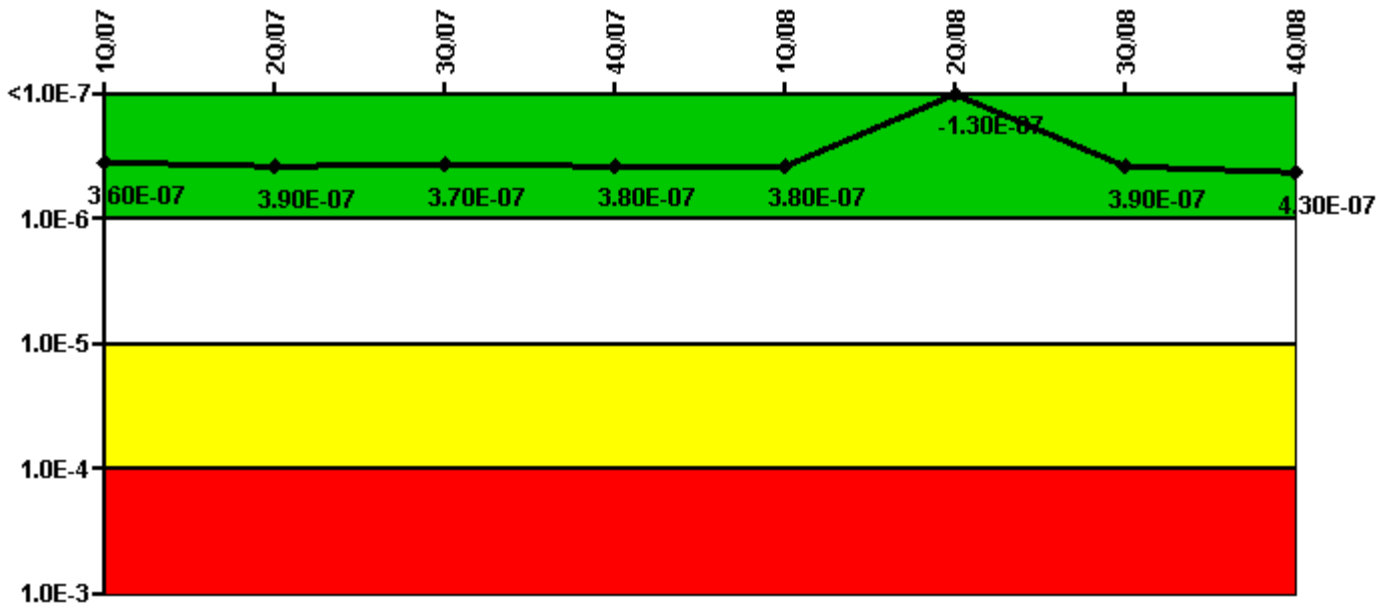
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	1.50E-08	2.20E-08	1.60E-08	1.50E-08	1.50E-08	2.10E-08	8.70E-09	-2.10E-09
URI (ΔCDF)	-2.50E-07	-2.10E-07	-2.10E-07	-2.10E-07	-1.80E-07	-1.50E-07	-1.50E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.35E-07	-1.88E-07	-1.94E-07	-1.95E-07	-1.65E-07	-1.29E-07	-1.41E-07	-1.52E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



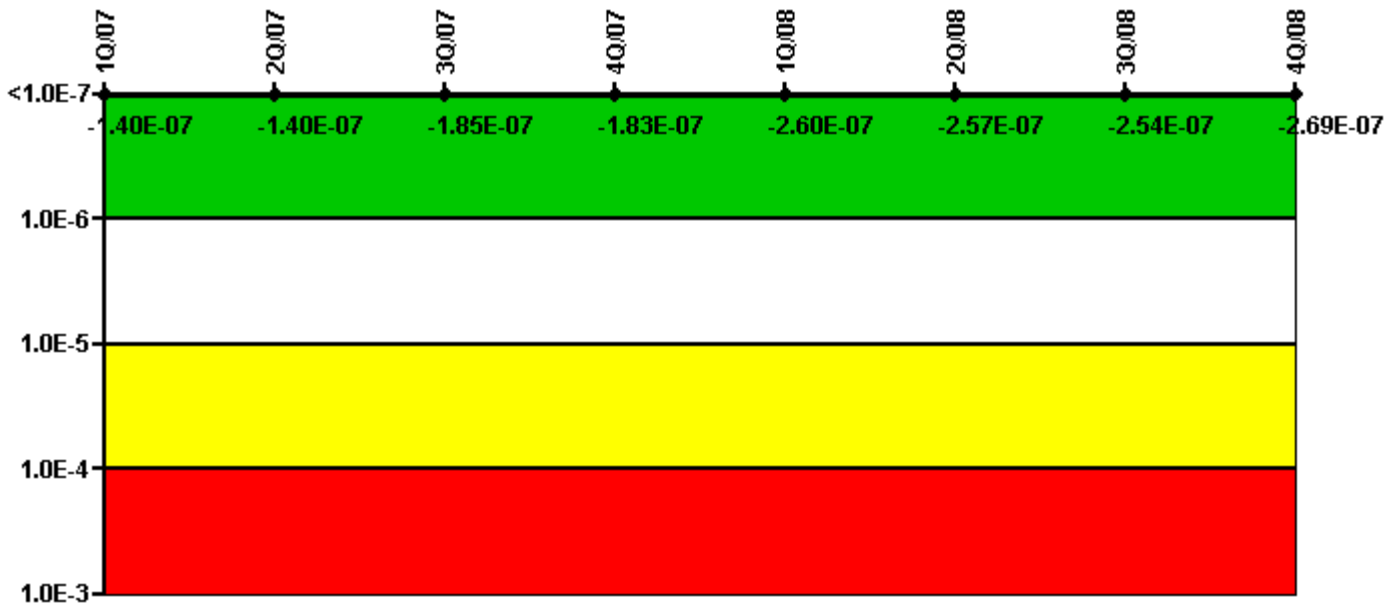
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	1.90E-07	2.20E-07	2.00E-07	2.10E-07	2.10E-07	1.60E-07	2.20E-07	2.60E-07
URI (ΔCDF)	1.70E-07	1.70E-07	1.70E-07	1.70E-07	1.70E-07	-2.90E-07	1.70E-07	1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.60E-07	3.90E-07	3.70E-07	3.80E-07	3.80E-07	-1.30E-07	3.90E-07	4.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



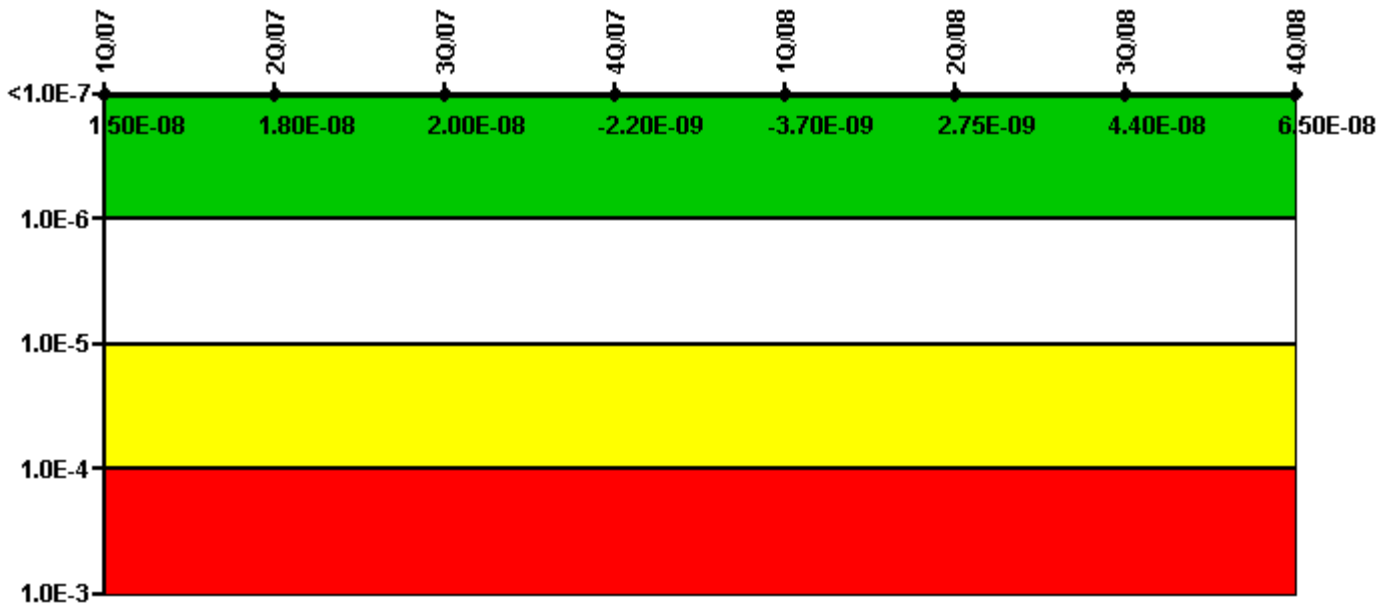
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	1.10E-07	1.10E-07	6.50E-08	6.70E-08	-9.50E-09	-6.70E-09	-3.50E-09	-1.90E-08
URI (ΔCDF)	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-07	-1.40E-07	-1.85E-07	-1.83E-07	-2.60E-07	-2.57E-07	-2.54E-07	-2.69E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

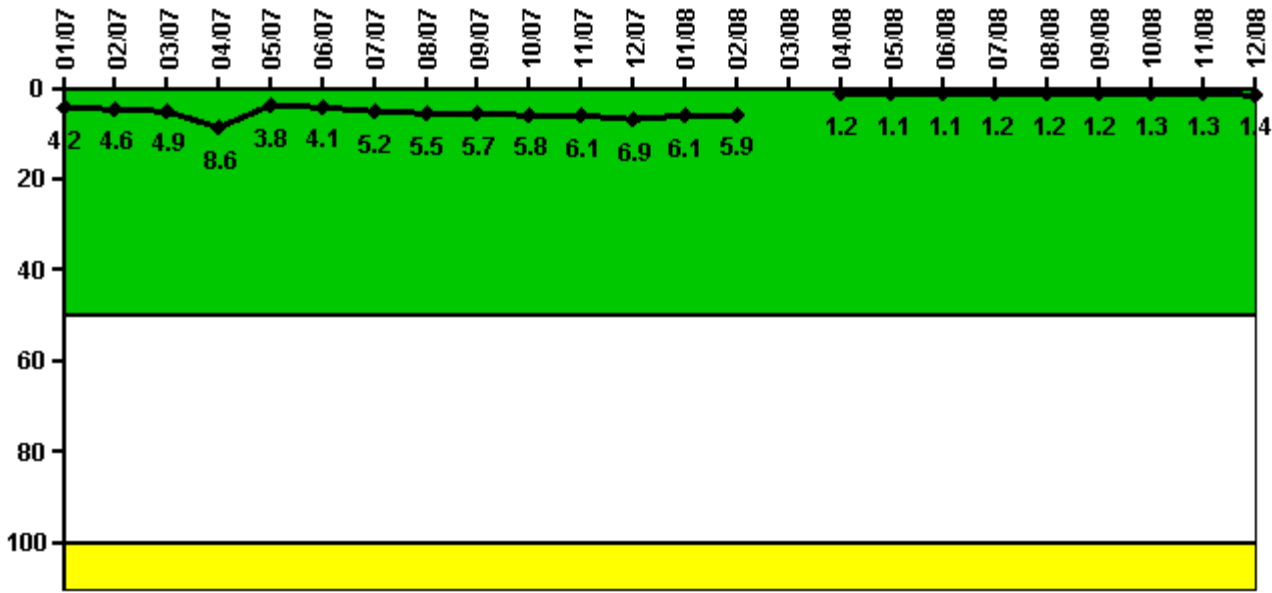
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	2.30E-08	2.60E-08	2.80E-08	5.80E-09	4.30E-09	3.00E-09	3.20E-08	5.30E-08
URI (Δ CDF)	-8.00E-09	-8.00E-09	-8.00E-09	-8.00E-09	-8.00E-09	-2.50E-10	1.20E-08	1.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.50E-08	1.80E-08	2.00E-08	-2.20E-09	-3.70E-09	2.75E-09	4.40E-08	6.50E-08

Licensee Comments:

2Q/08: 2Q2008 - Change to MSPI Cooling Water 2 indicator for the month of June 2008. ERCW Pump A-A failed its performance test on 6/7/08 and 6/15/08 for total developed head. This was not initially classified an MSPI failure because the pump was available, but it was reclassified as an MSPI failure after finding internal pump wear. Refer to EPIX Failure Report 528. This change does not affect the color of the indicator.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

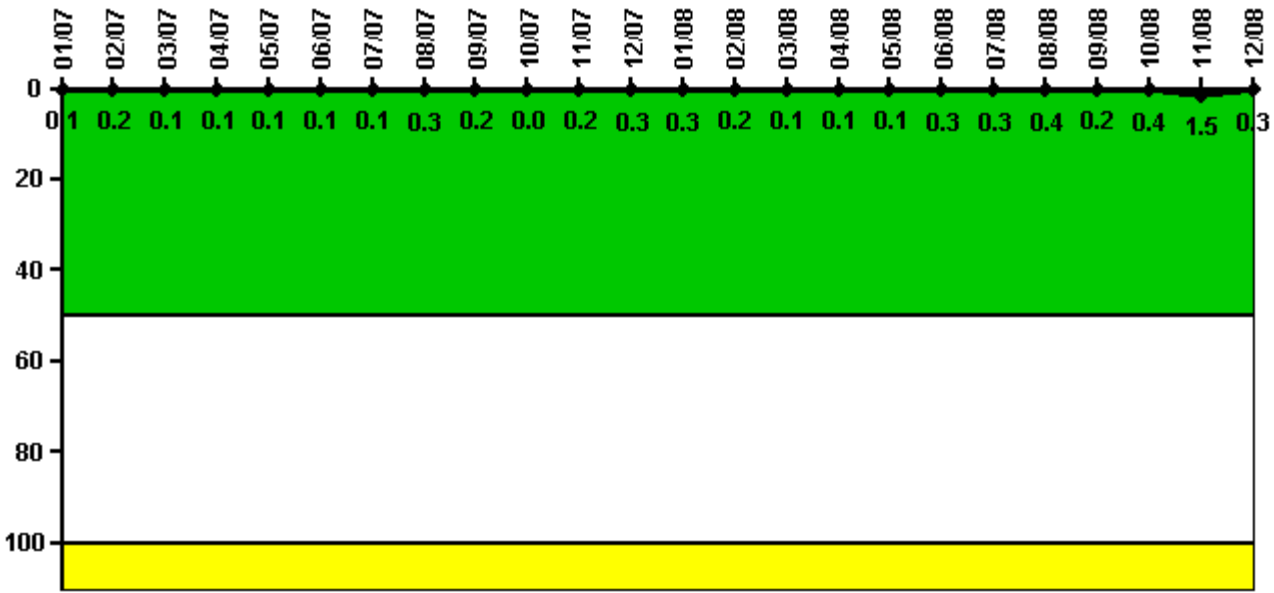
Notes

Reactor Coolant System Activity	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity	0.011260	0.012140	0.012930	0.022820	0.010070	0.010800	0.013820	0.014690	0.015080	0.015470	0.016290	0.018200
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	4.2	4.6	4.9	8.6	3.8	4.1	5.2	5.5	5.7	5.8	6.1	6.9

Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.016100	0.015600	N/A	0.003098	0.002874	0.003022	0.003092	0.003093	0.003252	0.003368	0.003390	0.003801
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	6.1	5.9	N/A	1.2	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4

Licensee Comments: none

Reactor Coolant System Leakage



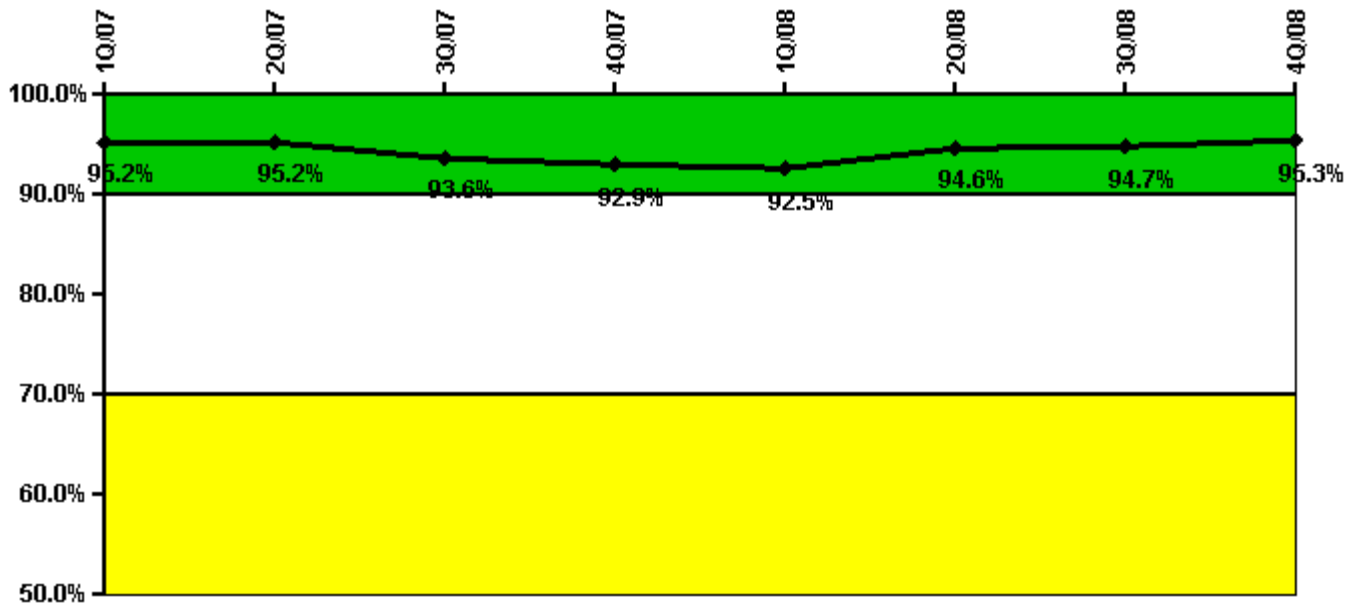
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.030	0.020	0	0.020	0.030
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	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0	0.2	0.3
Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	0.030	0.020	0.010	0.010	0.010	0.030	0.030	0.040	0.020	0.040	0.150	0.030
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	0.3	0.2	0.1	0.1	0.1	0.3	0.3	0.4	0.2	0.4	1.5	0.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

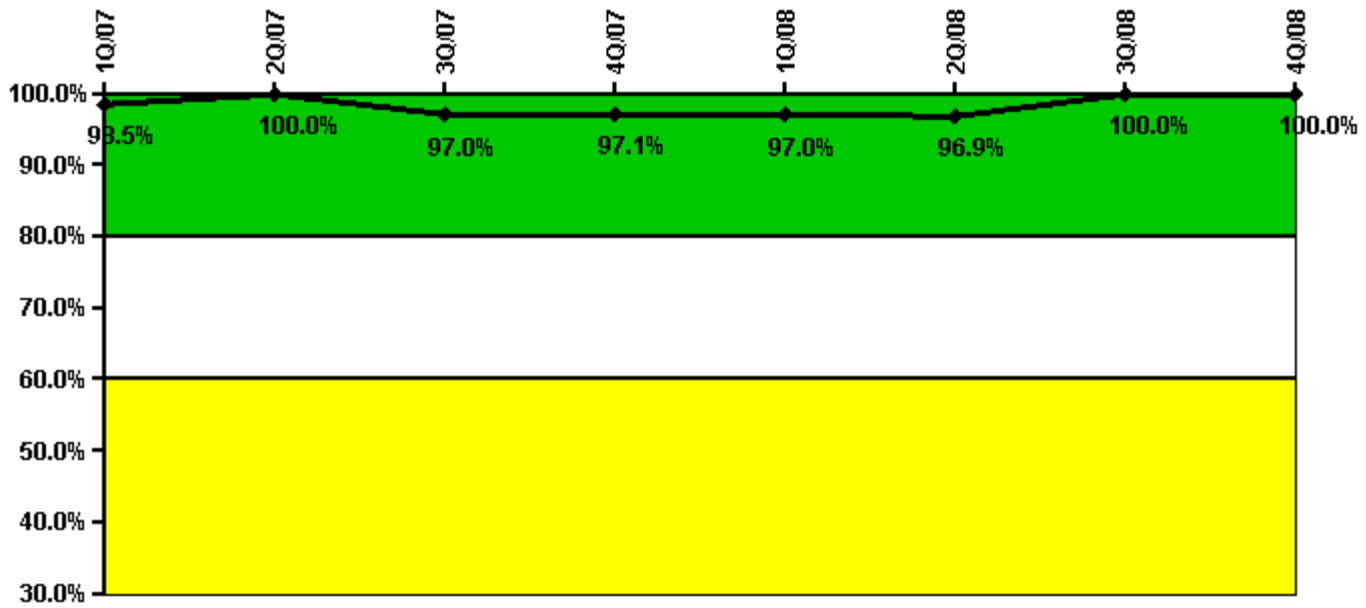
Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	21.0	4.0	20.0	23.0	7.0	47.0	18.0	41.0
Total opportunities	23.0	4.0	22.0	24.0	9.0	48.0	18.0	42.0
Indicator value	95.2%	95.2%	93.6%	92.9%	92.5%	94.6%	94.7%	95.3%

Licensee Comments:

1Q/08: 1Q2008 - Event 43894 should have been considered a missed opportunity for January 2008 per NEI 99-02. This event was later retracted but the missed opportunity should have been counted. Added one to total drill, exercise and event opportunity iaw PER 155414. This change does not affect the color of the indicator.

3Q/07: 3Q2007 - Change to the Emergency Response Organization (ERO) Drill / Exercise Performance indicator for the month of September 2007. The total drill, exer & event opportunities were changed from 10 to 22 and the successful drill, exer & event opportunities were changed from 9 to 20 due to missed operator training opportunities. This change does not affect the color of the indicator.

ERO Drill Participation



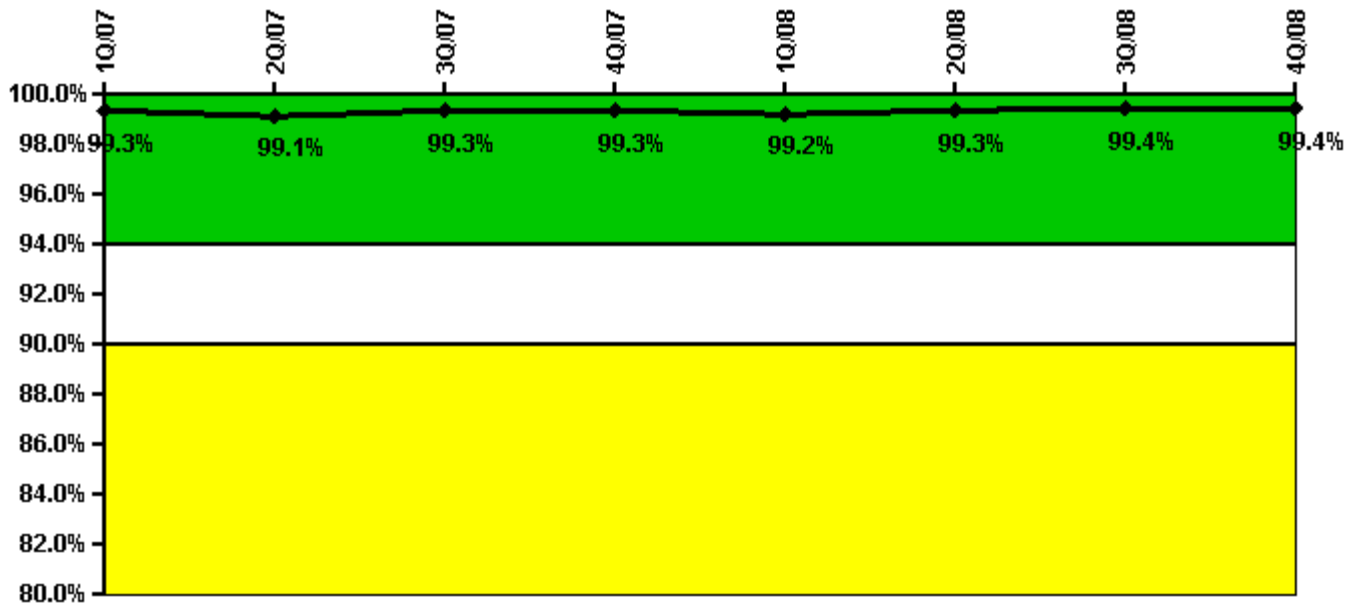
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	66.0	58.0	65.0	68.0	64.0	62.0	69.0	73.0
Total Key personnel	67.0	58.0	67.0	70.0	66.0	64.0	69.0	73.0
Indicator value	98.5%	100.0%	97.0%	97.1%	97.0%	96.9%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	692	784	782	887	689	690	687	887
Total sirens-tests	693	792	792	891	693	693	693	891
Indicator value	99.3%	99.1%	99.3%	99.3%	99.2%	99.3%	99.4%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
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.