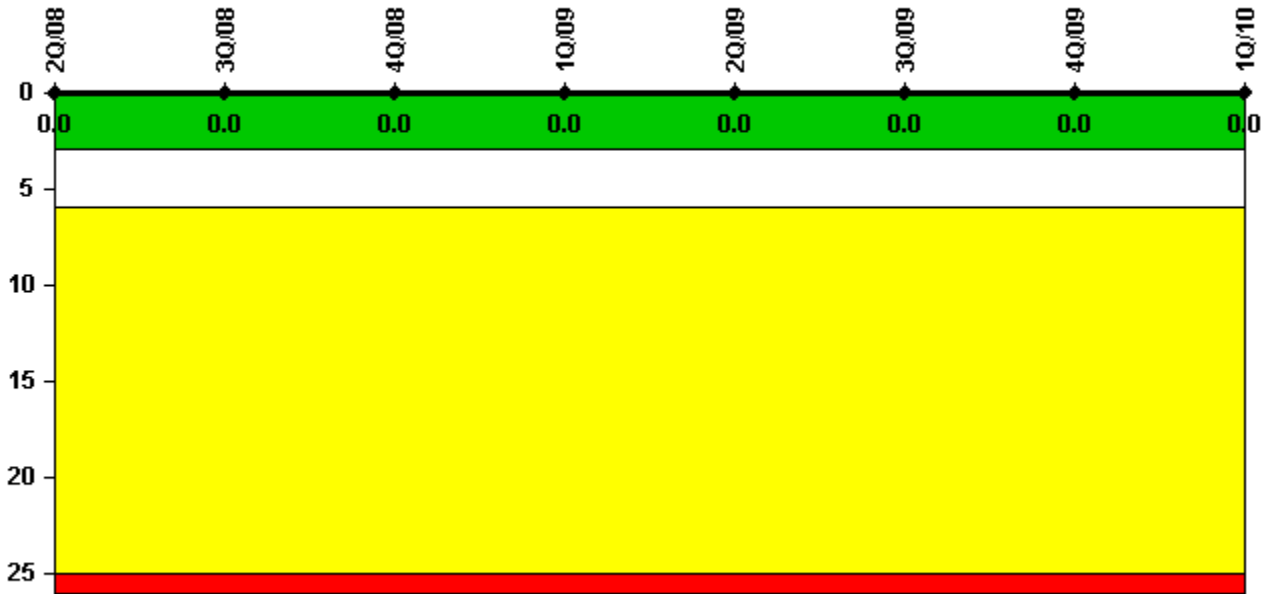


Kewaunee

1Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



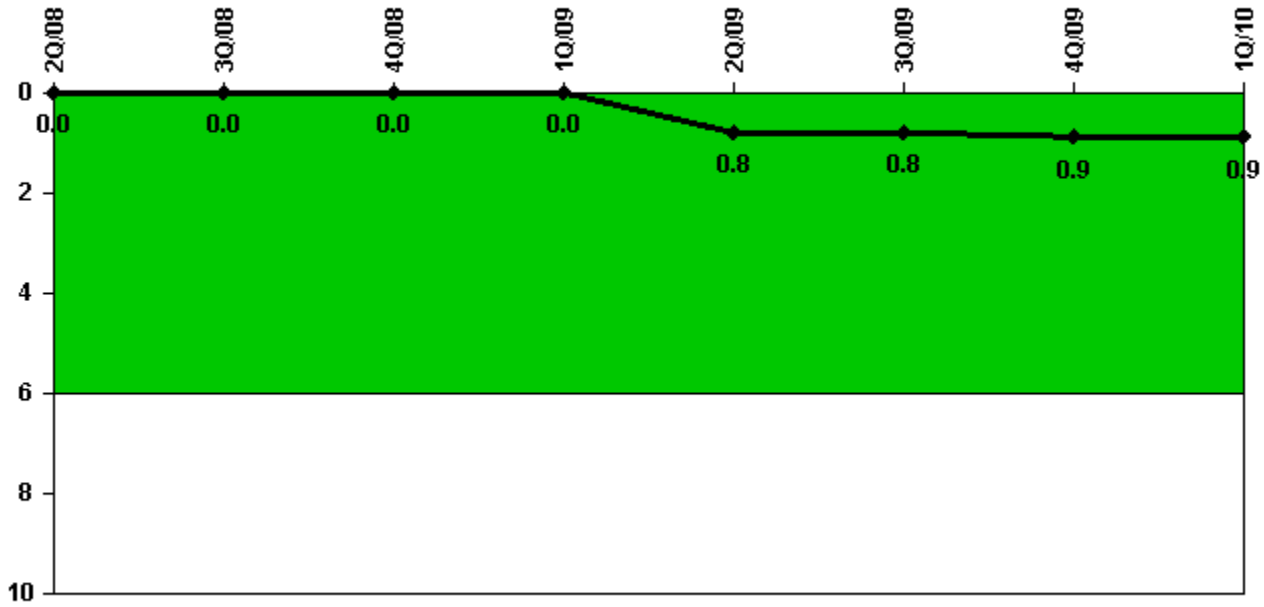
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1278.5	2208.0	2209.0	2159.0	2106.7	2089.7	1704.3	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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	1278.5	2208.0	2209.0	2159.0	2106.7	2089.7	1704.3	2159.0
Indicator value	0	0	0	0	0.8	0.8	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



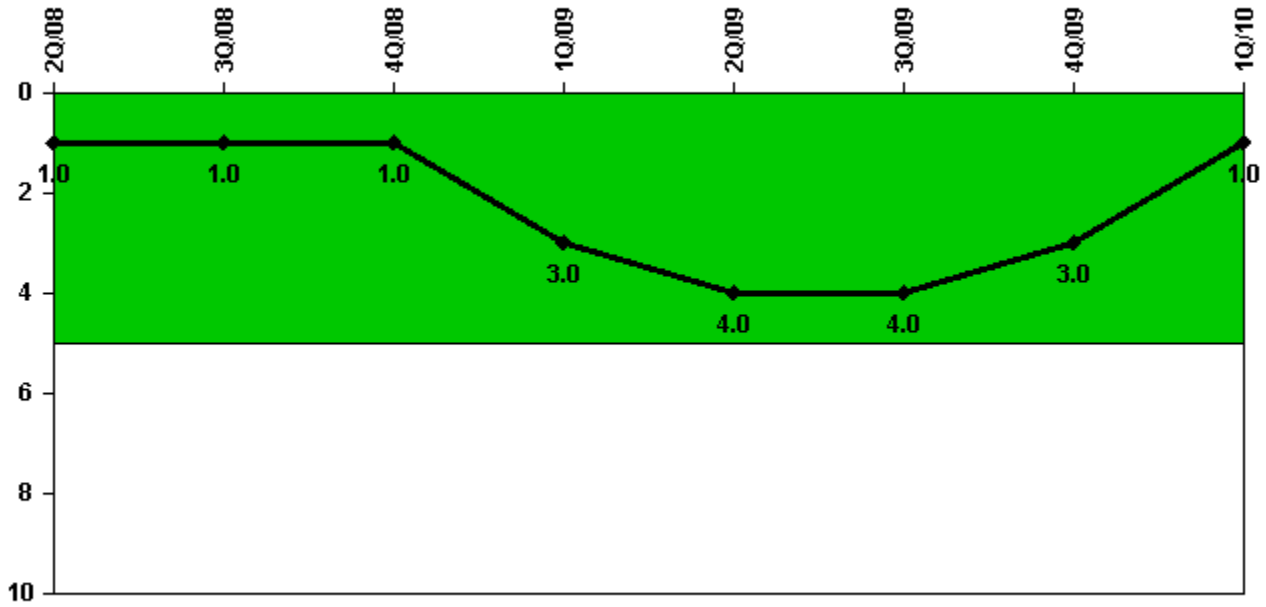
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
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)



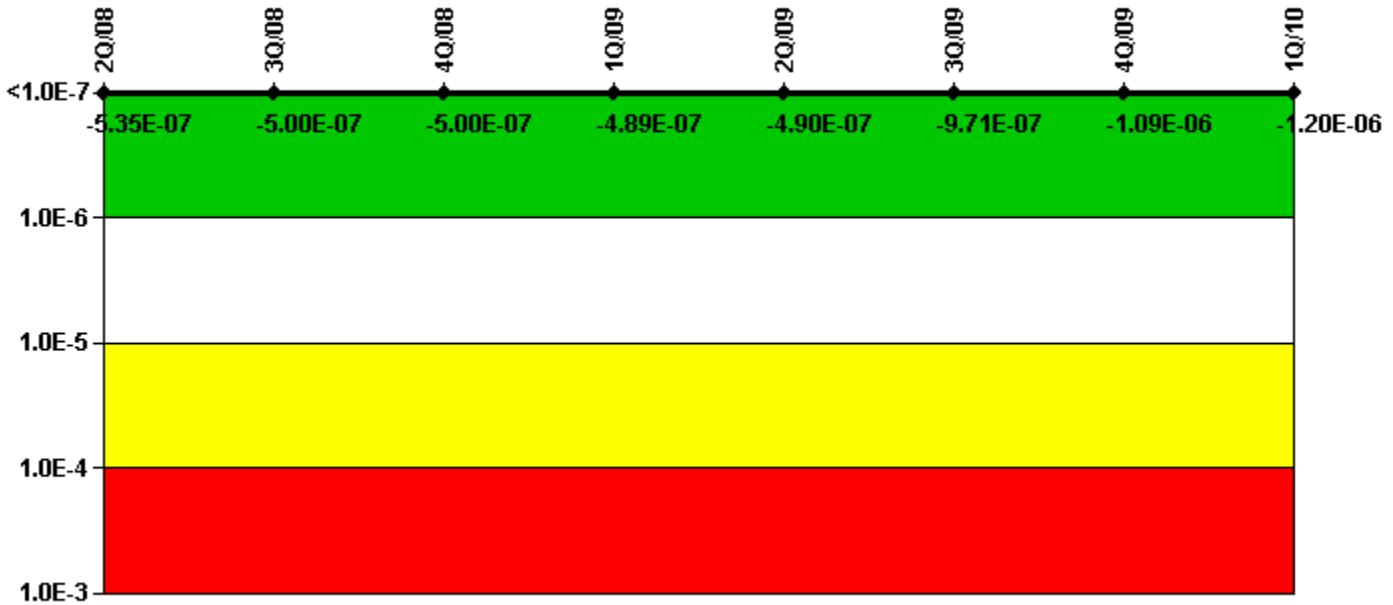
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Safety System Functional Failures	0	0	1	2	1	0	0	0
Indicator value	1	1	1	3	4	4	3	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



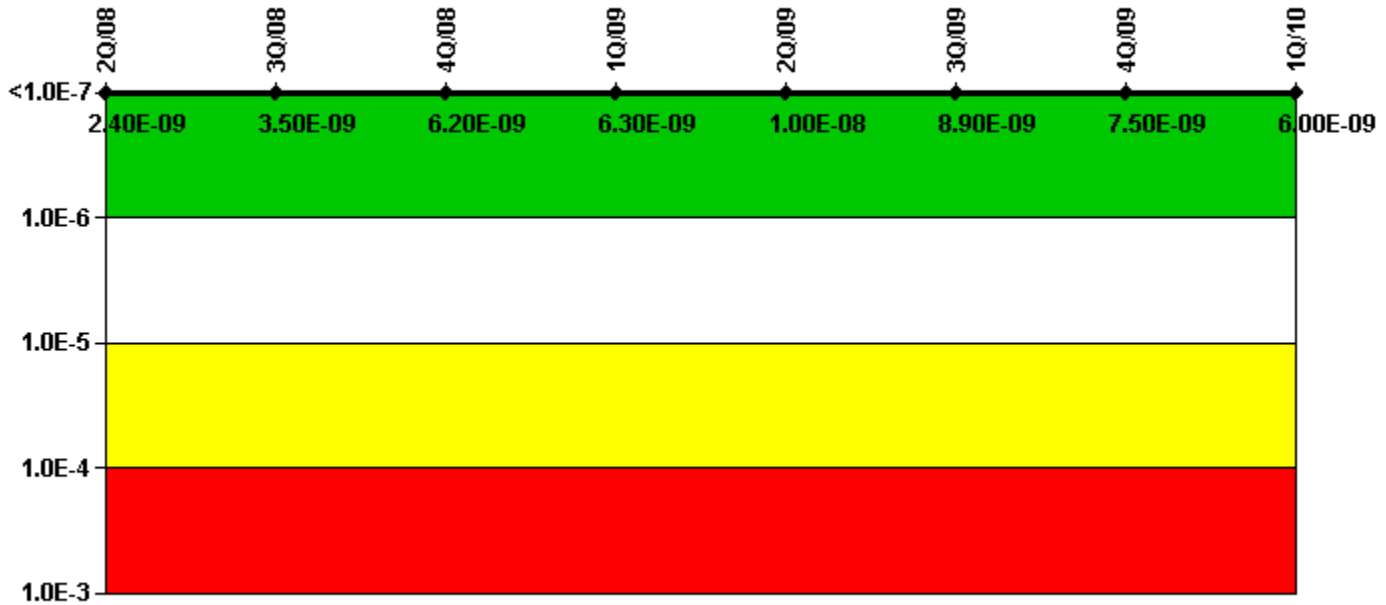
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	7.50E-08	1.10E-07	1.00E-07	9.10E-08	5.00E-08	2.90E-08	1.50E-08	-9.08E-08
URI (Δ CDF)	-6.10E-07	-6.10E-07	-6.00E-07	-5.80E-07	-5.40E-07	-1.00E-06	-1.10E-06	-1.06E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.35E-07	-5.00E-07	-5.00E-07	-4.89E-07	-4.90E-07	-9.71E-07	-1.09E-06	-1.20E-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	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	2.58E-08	2.72E-08	2.96E-08	3.00E-08	3.28E-08	3.10E-08	2.90E-08	2.68E-08
URI (ΔCDF)	-2.35E-08	-2.36E-08	-2.34E-08	-2.37E-08	-2.27E-08	-2.21E-08	-2.15E-08	-2.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.40E-09	3.50E-09	6.20E-09	6.30E-09	1.00E-08	8.90E-09	7.50E-09	6.00E-09

Licensee Comments:

4Q/09: 4/19/10 ??? Device record updated, no impact on MSPI.

3Q/09: 4/19/10 ??? Device record updated, no impact on MSPI.

2Q/09: 4/19/10 ??? Device record updated, no impact on MSPI.

1Q/09: 4/19/10 ??? Device record updated, no impact on MSPI.

4Q/08: 4/19/10 ??? Device record updated, no impact on MSPI.

3Q/08: 4/19/10 Device record updated, no impact on MSPI.

2Q/08: 4/19/10 -- Data for 1st qtr 2007 through 4th qtr 2009 have been updated to include addition demand starts for monitored components SI-208 and SI-209. The additional demands were identified through review of logs and procedures. The increase in demands does not negatively impact the green status of the SI MSPI.

1Q/08: 4/19/10 ??? Device record updated, no impact on MSPI.

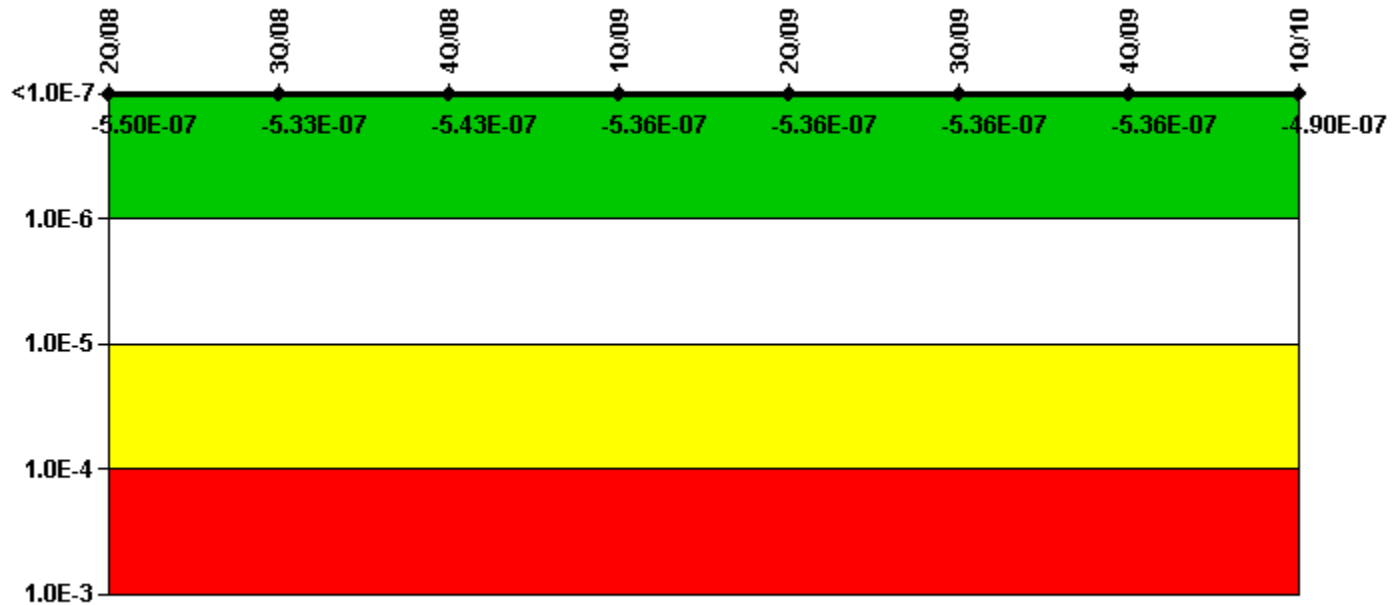
4Q/07: 4/19/10 -- Data for 1st qtr 2007 through 4th qtr 2009 have been updated to include addition demand starts for monitored components SI-208 and SI-209. The additional demands were identified through review of logs and procedures. The increase in demands does not negatively impact the green status of the SI MSPI.

3Q/07: 4/19/10 ??? Device record updated, no impact on MSPI.

2Q/07: 4/19/10 ??? Device record updated, no impact on MSPI.

1Q/07: 4-19-10 Data for 1st qtr 2007 through 4th qtr 2009 have been updated to include addition demand starts for monitored components SI-208 and SI-209. The additional demands were identified through review of logs and procedures. The increase in demands does not negatively impact the green status of the SI MSPI.

Mitigating Systems Performance Index, Heat Removal System



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

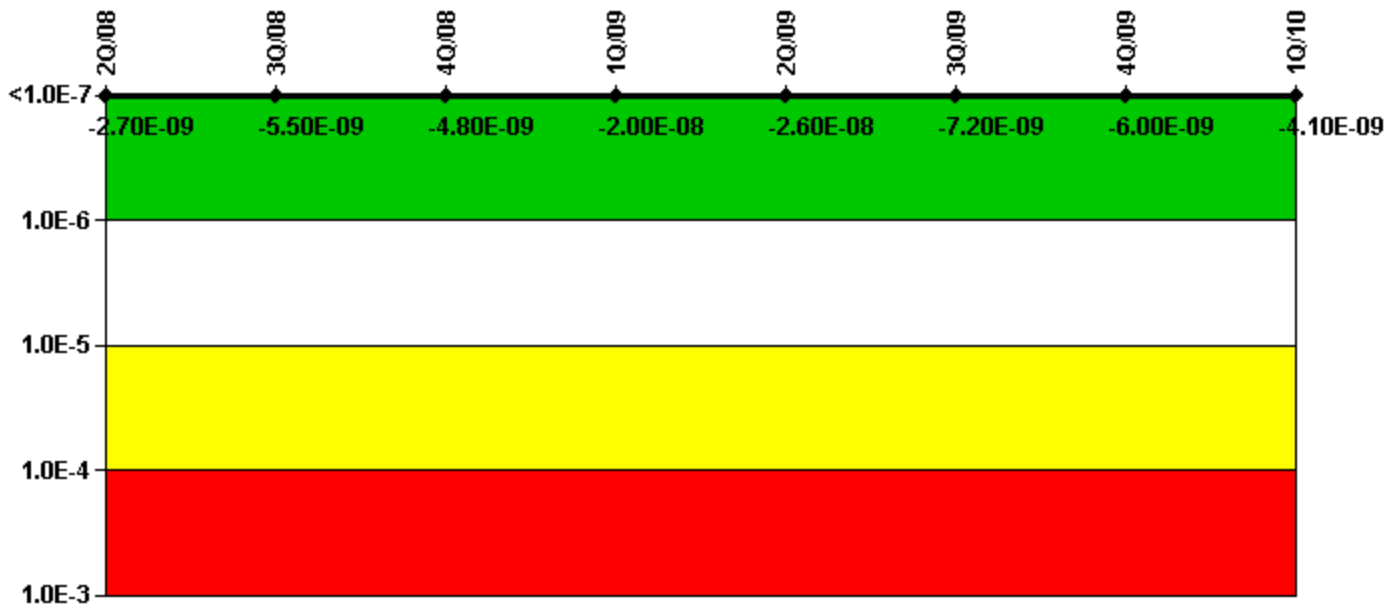
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-7.76E-08	-5.30E-08	-7.30E-08	-7.60E-08	-7.60E-08	-7.60E-08	-7.60E-08	-7.18E-08
URI (Δ CDF)	-4.75E-07	-4.80E-07	-4.70E-07	-4.60E-07	-4.60E-07	-4.60E-07	-4.60E-07	-4.17E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.50E-07	-5.33E-07	-5.43E-07	-5.36E-07	-5.36E-07	-5.36E-07	-5.36E-07	-4.90E-07

Licensee Comments:

2Q/08: 4/19/10 -- Data for 1st qtr 2007 through 4th qtr 2009 have been updated to include addition demand starts for monitored components SI-350A/B and SI-351A/B. The additional demands were identified through review of logs and procedures. The increase in demands does not negatively impact the green status of the RHR MSPI.

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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	2.74E-08	2.53E-08	2.63E-08	1.19E-08	4.35E-09	2.33E-08	2.47E-08	2.66E-08
URI (Δ CDF)	-3.01E-08	-3.08E-08	-3.10E-08	-3.20E-08	-3.03E-08	-3.05E-08	-3.07E-08	-3.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.70E-09	-5.50E-09	-4.80E-09	-2.00E-08	-2.60E-08	-7.20E-09	-6.00E-09	-4.10E-09

Licensee Comments:

4Q/09: During review of 1st quarter 2010 data, a previously unidentified procedure change resulted in additional unavailability for RHR. The procedure change was effective in 4th quarter 2009. The additional 0.56 hours of unavailability (0.33 hours for train A and 0.23 hours for train B) has updated for 4th quarter 2009. This small increase in unavailability does not impact the green value of the MSPI for RHR.

3Q/09: 4/19/10 ??? Device record updated, no impact on MSPI.

2Q/09: 4/19/10 ??? Device record updated, no impact on MSPI.

1Q/09: 4/19/10 ??? Device record updated, no impact on MSPI.

4Q/08: 4/19/10 ??? Device record updated, no impact on MSPI.

3Q/08: 4/19/10 Device record updated, no impact on MSPI.

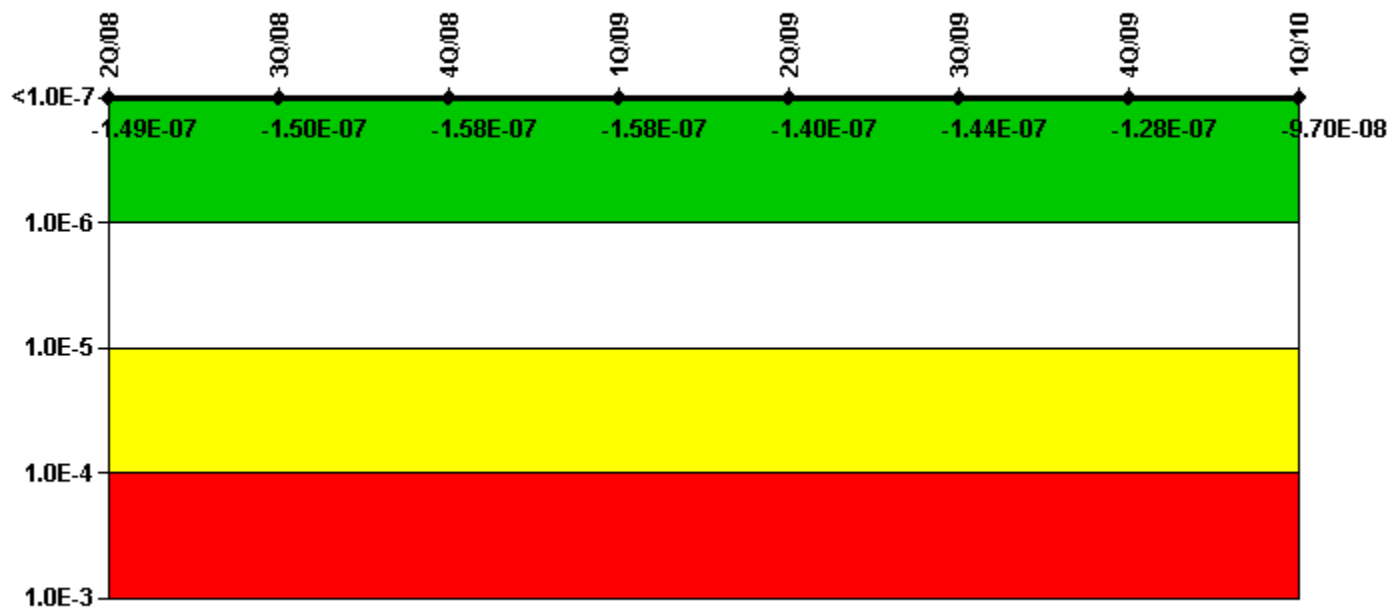
2Q/08: 4/19/10 -- Data for 1st qtr 2007 through 4th qtr 2009 have been updated to include addition demand starts for monitored components SI-350A/B and SI-351A/B. The additional demands were identified through review of logs and procedures. The increase in demands does not negatively impact the green status of the RHR MSPI.

1Q/08: 4/19/10 ??? Device record updated, no impact on MSPI.

4Q/07: 4/19/10 -- Data for 1st qtr 2007 through 4th qtr 2009 have been updated to include addition demand starts for monitored components SI-350A/B and SI-351A/B. The additional demands were identified through review of logs and procedures. The increase in demands does not negatively impact the green status of the RHR MSPI.

1Q/07: 4/19/10 - Data for 1st qtr 2007 through 4th qtr 2009 have been updated to include addition demand starts for monitored components SI-350A/B and SI-351A/B. The additional demands were identified through review of logs and procedures. The increase in demands does not negatively impact the green status of the RHR MSPI.

Mitigating Systems Performance Index, Cooling Water Systems



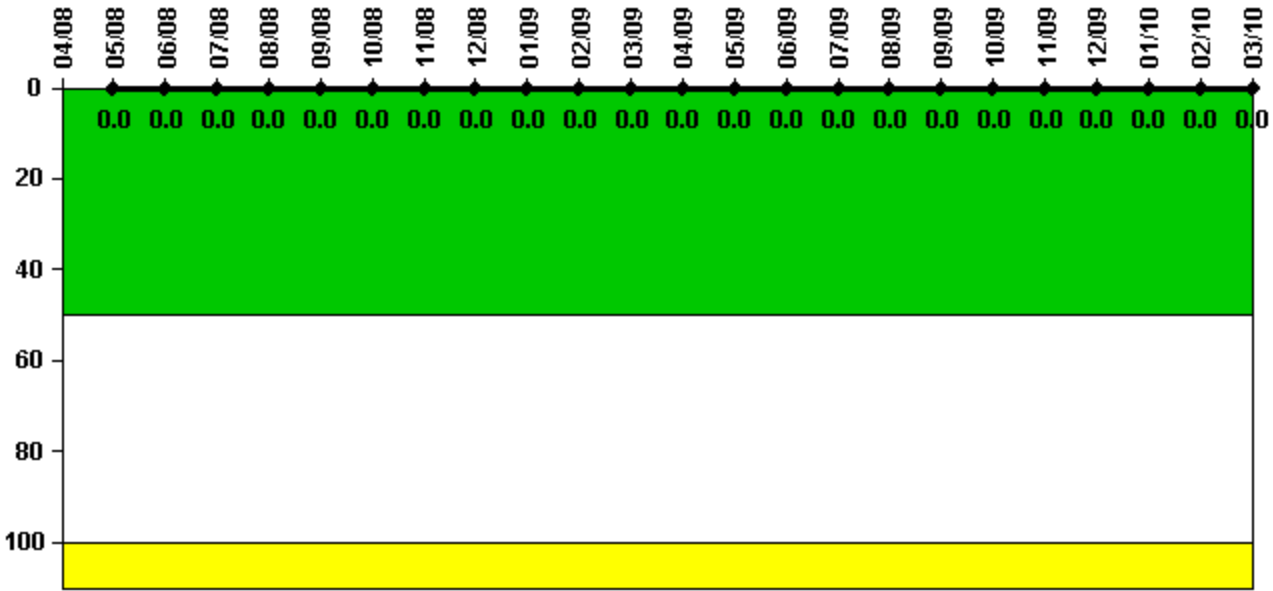
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-9.90E-08	-1.00E-07	-1.10E-07	-1.10E-07	-8.90E-08	-9.30E-08	-7.40E-08	-4.32E-08
URI (Δ CDF)	-5.00E-08	-5.00E-08	-4.80E-08	-4.80E-08	-5.10E-08	-5.10E-08	-5.40E-08	-5.36E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.49E-07	-1.50E-07	-1.58E-07	-1.58E-07	-1.40E-07	-1.44E-07	-1.28E-07	-9.70E-08

Licensee Comments: none

Reactor Coolant System Activity



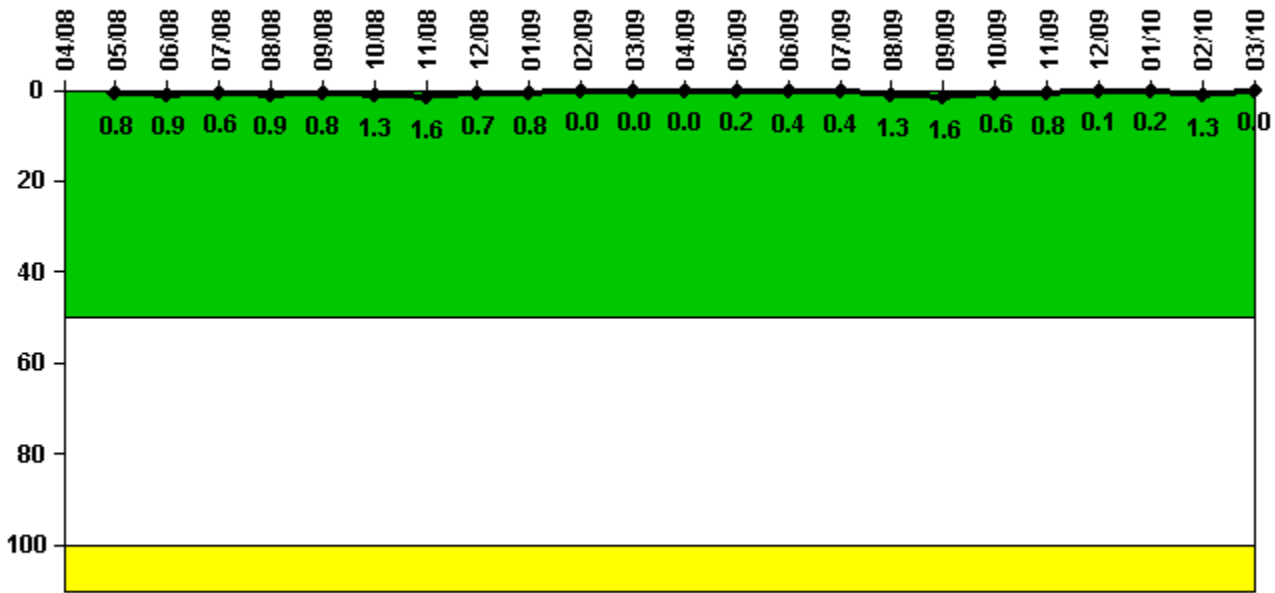
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum activity	N/A	0.000021	0.000093	0.000099	0.000115	0.000118	0.000123	0.000135	0.000132	0.000134	0.000137	0.000167
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	N/A	0	0	0	0	0	0	0	0	0	0	0
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	0.000157	0.000136	0.000156	0.000162	0.000156	0.000164	0.000184	0.000113	0.000113	0.000113	0.000117	0.000118
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	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



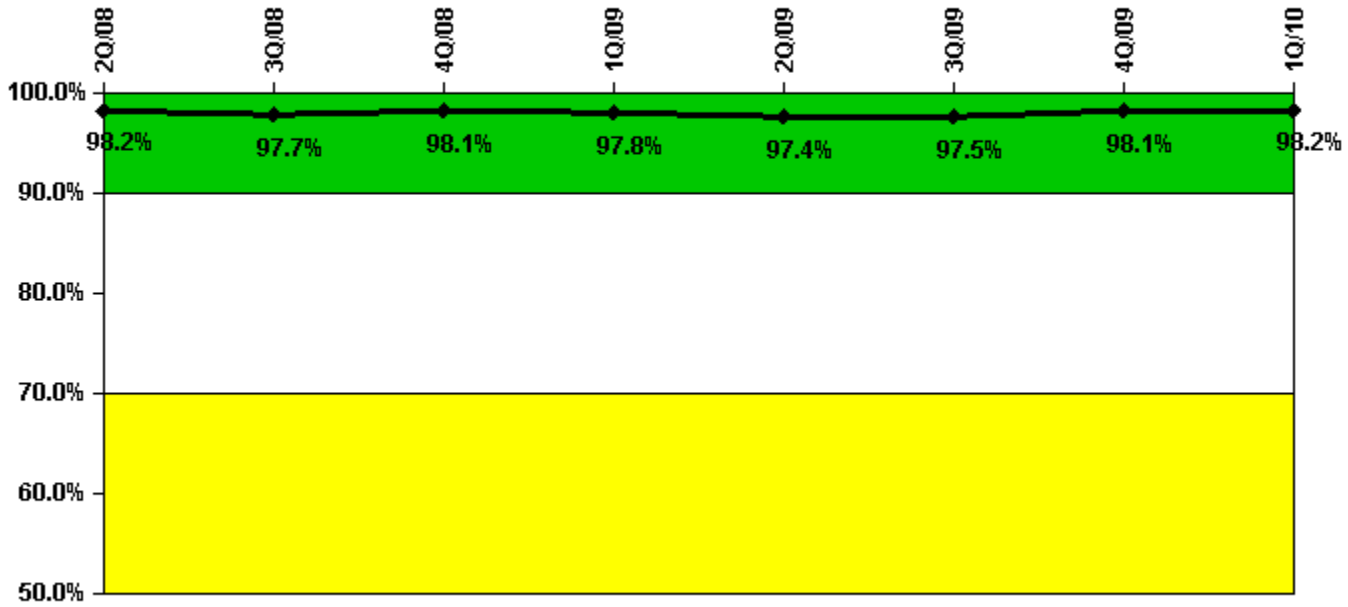
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	N/A	0.076	0.085	0.059	0.088	0.084	0.132	0.158	0.069	0.075	0.003	0.003
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	N/A	0.8	0.9	0.6	0.9	0.8	1.3	1.6	0.7	0.8	0	0
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	0.004	0.024	0.035	0.035	0.133	0.159	0.064	0.079	0.007	0.024	0.127	0.001
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	0.2	0.4	0.4	1.3	1.6	0.6	0.8	0.1	0.2	1.3	0

Licensee Comments: none

Drill/Exercise Performance



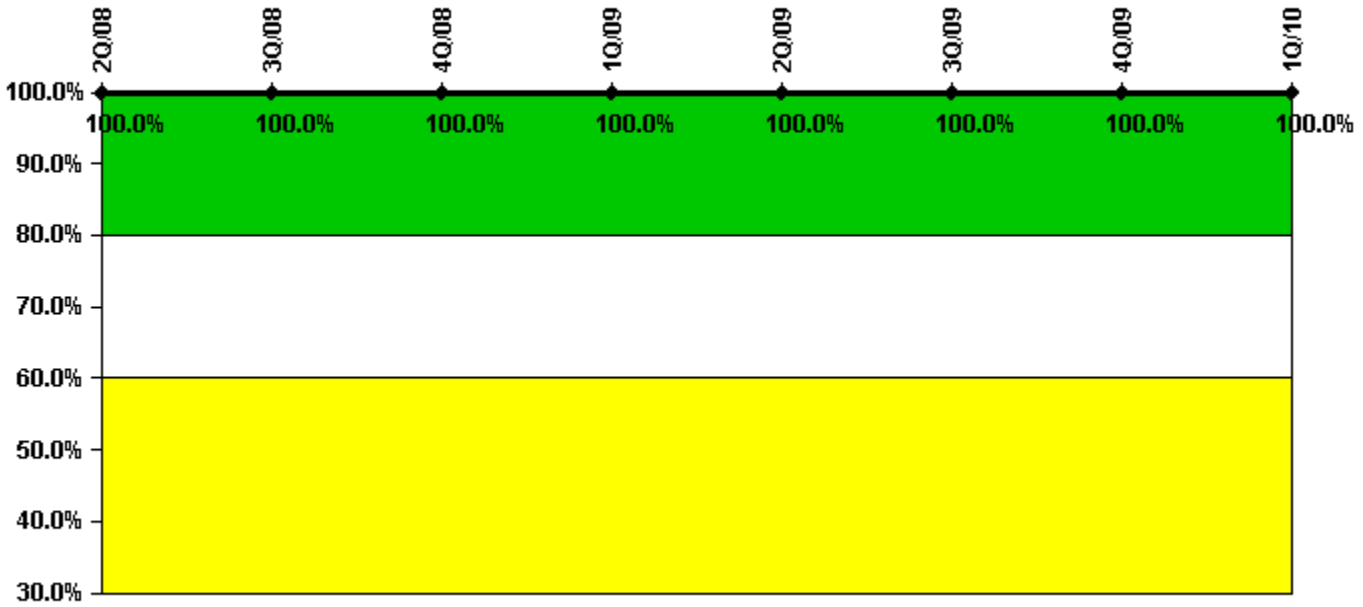
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	44.0	16.0	55.0	58.0	32.0	20.0	45.0	54.0
Total opportunities	44.0	18.0	55.0	59.0	34.0	20.0	45.0	55.0
Indicator value	98.2%	97.7%	98.1%	97.8%	97.4%	97.5%	98.1%	98.2%

Licensee Comments: none

ERO Drill Participation



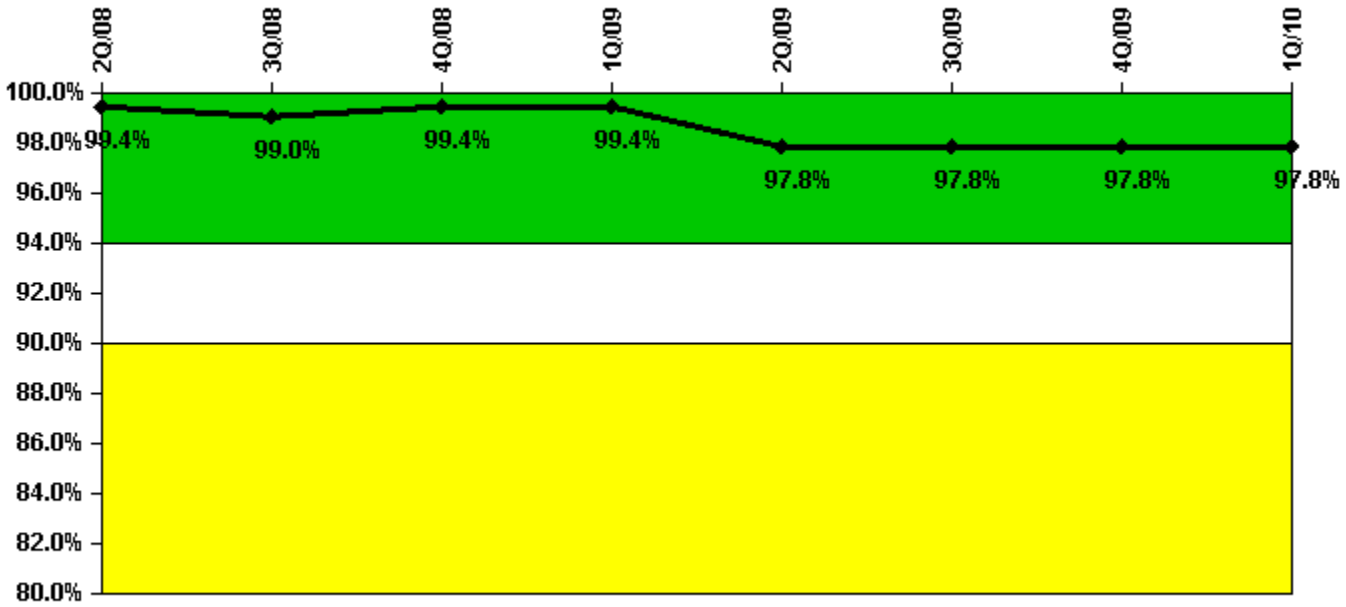
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	52.0	52.0	57.0	59.0	59.0	65.0	62.0	55.0
Total Key personnel	52.0	52.0	57.0	59.0	59.0	65.0	62.0	55.0
Indicator value	100.0%	100.0%	100.0%	100.0%	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	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	77	77	78	78	72	77	78	78
Total sirens-tests	78	78	78	78	78	78	78	78
Indicator value	99.4%	99.0%	99.4%	99.4%	97.8%	97.8%	97.8%	97.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
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.