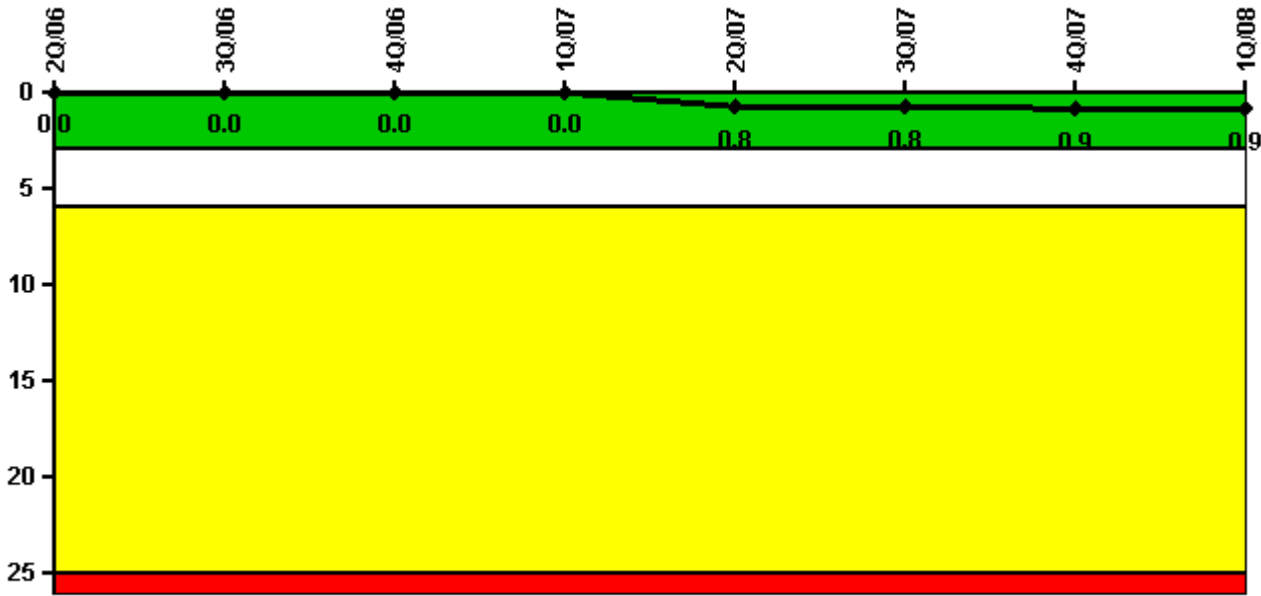


Braidwood 1

1Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



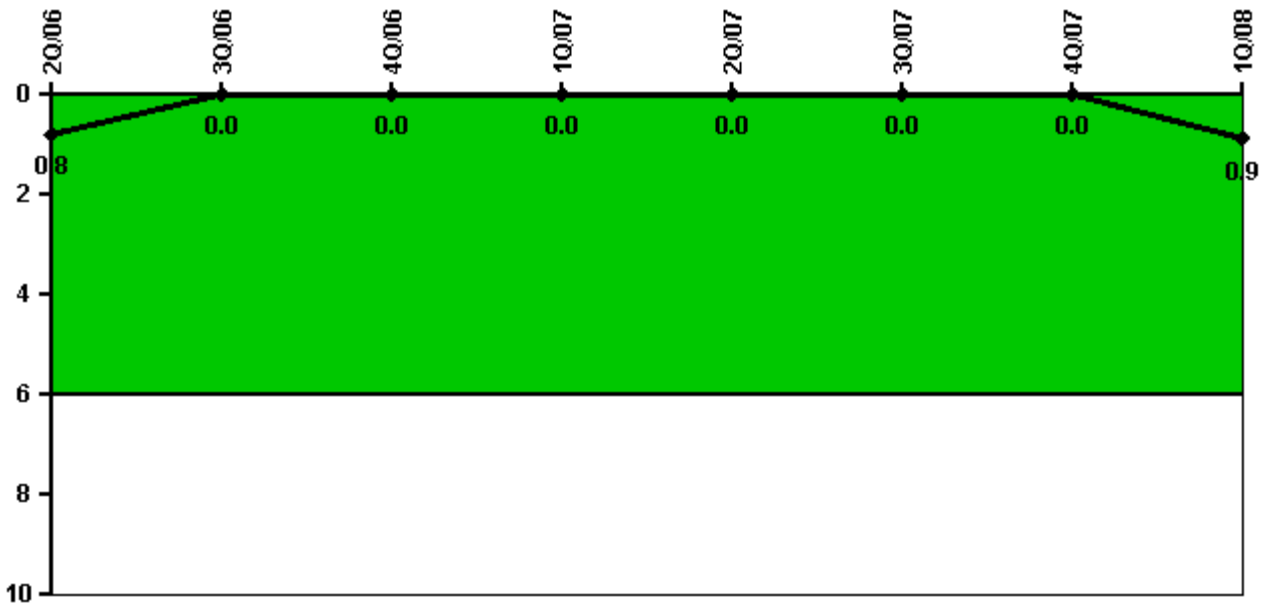
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	1784.7	2208.0	2209.0	2159.0	2155.4	2207.0	1618.3	2183.0
Indicator value	0	0	0	0	0.8	0.8	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	1784.7	2208.0	2209.0	2159.0	2155.4	2207.0	1618.3	2183.0
Indicator value	0.8	0	0	0	0	0	0	0.9

Licensee Comments: none

Unplanned Scrams with Complications



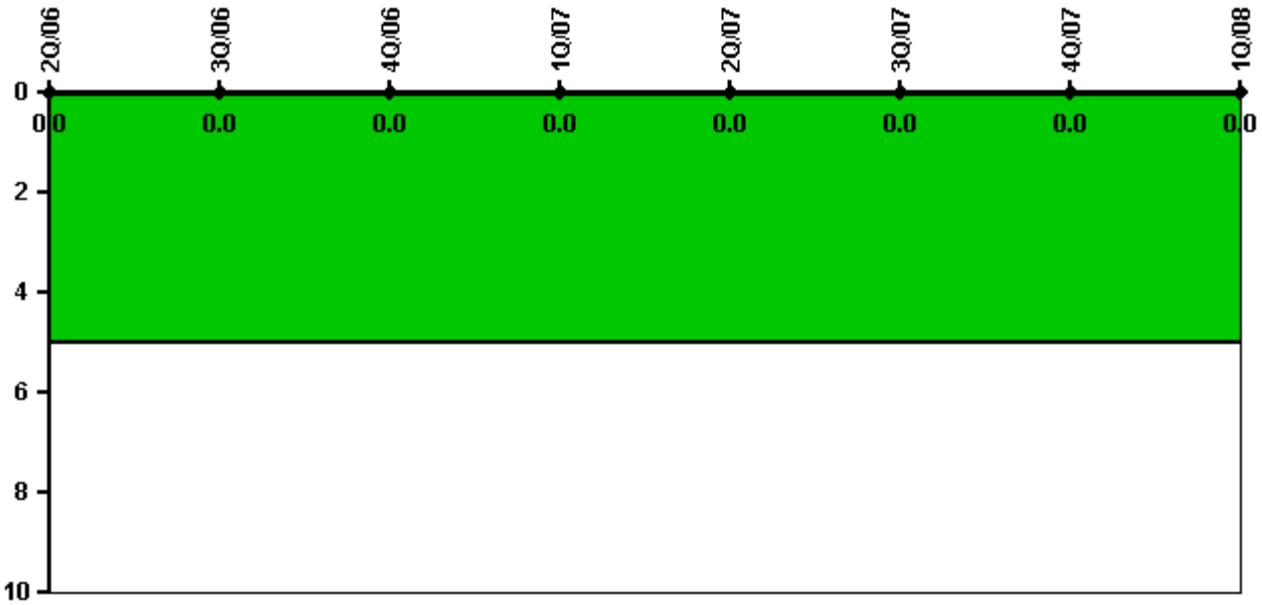
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Scrams with complications			0	0	0	0	0	0
Indicator value						0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



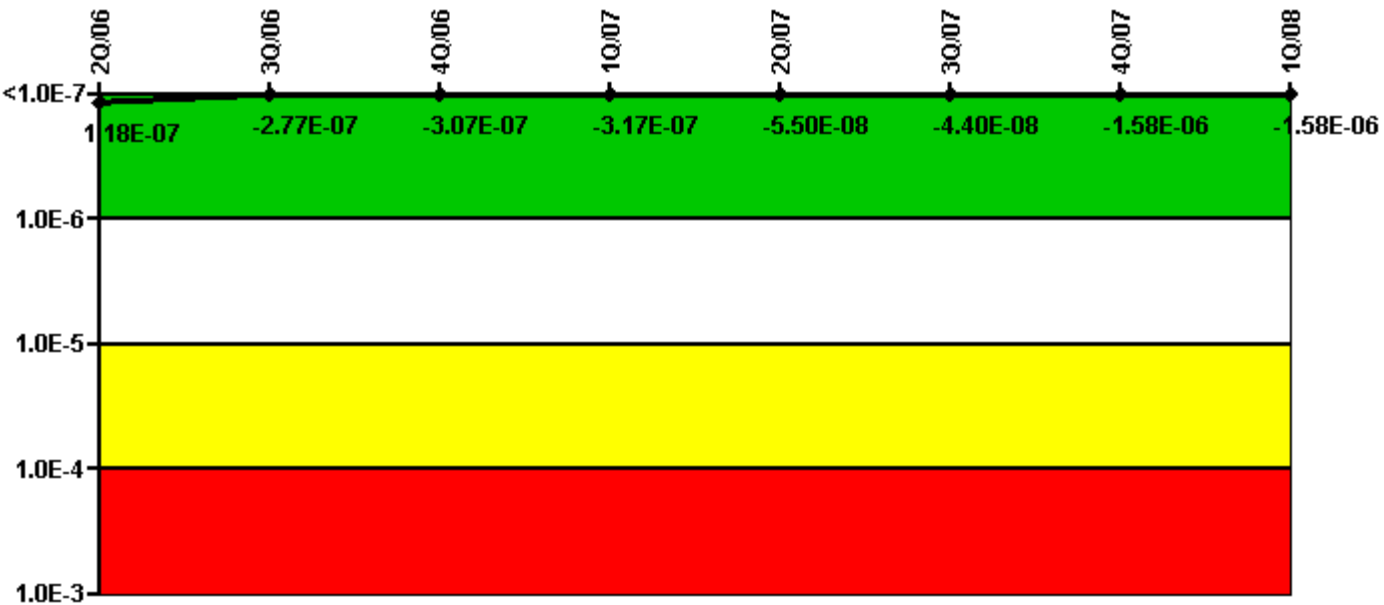
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
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



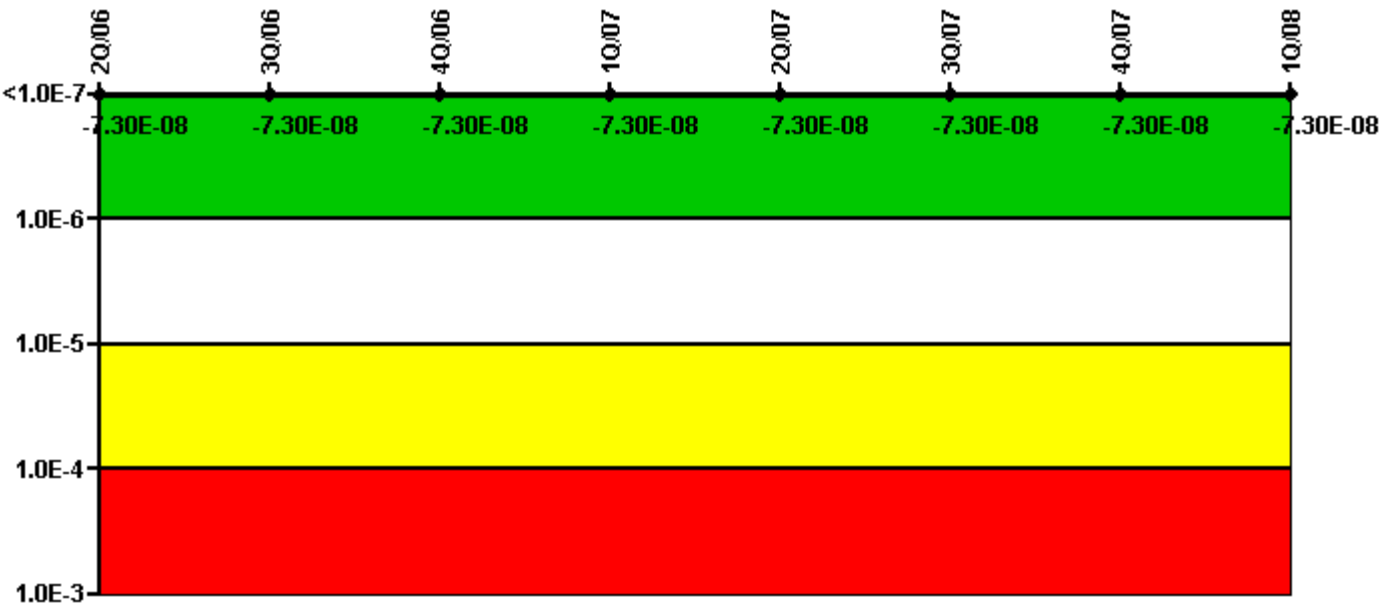
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	5.00E-08	1.30E-08	2.30E-08	2.30E-08	3.60E-08	3.70E-08	2.10E-08	2.10E-08
URI (Δ CDF)	6.80E-08	-2.90E-07	-3.30E-07	-3.40E-07	-9.10E-08	-8.10E-08	-1.60E-06	-1.60E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.18E-07	-2.77E-07	-3.07E-07	-3.17E-07	-5.50E-08	-4.40E-08	-1.58E-06	-1.58E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



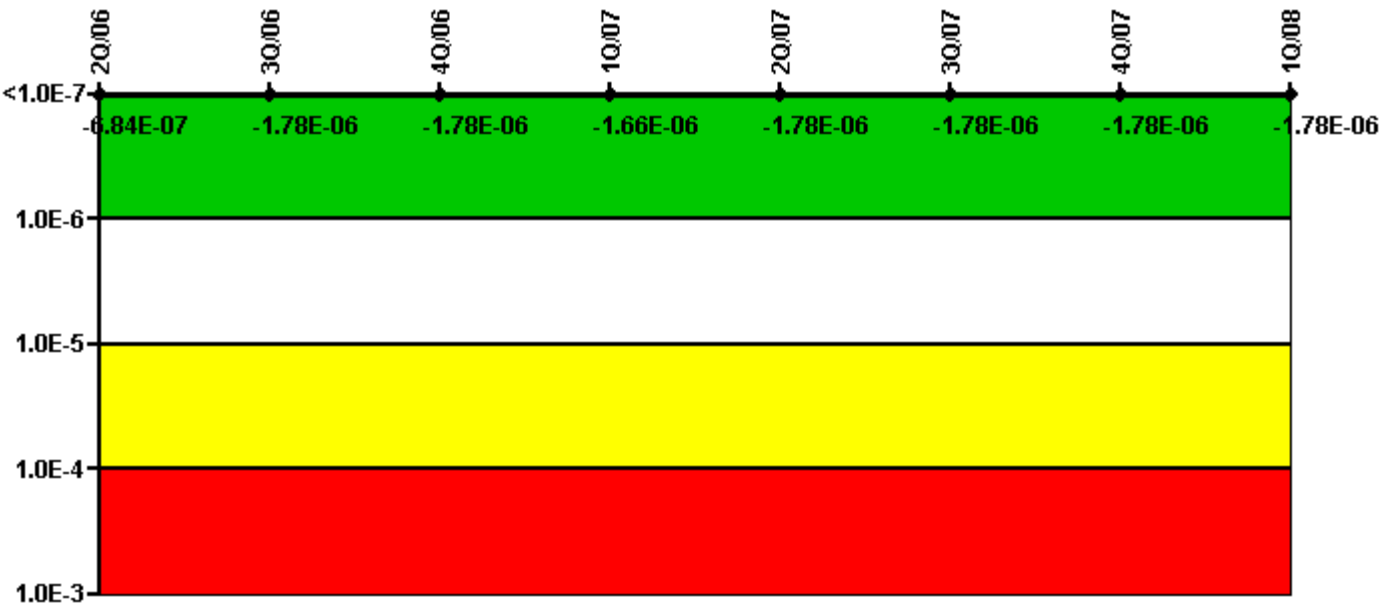
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-5.80E-08	-5.80E-08	-5.80E-08	-5.80E-08	-5.80E-08	-5.80E-08	-5.80E-08	-5.80E-08
URI (Δ CDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.30E-08	-7.30E-08	-7.30E-08	-7.30E-08	-7.30E-08	-7.30E-08	-7.30E-08	-7.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



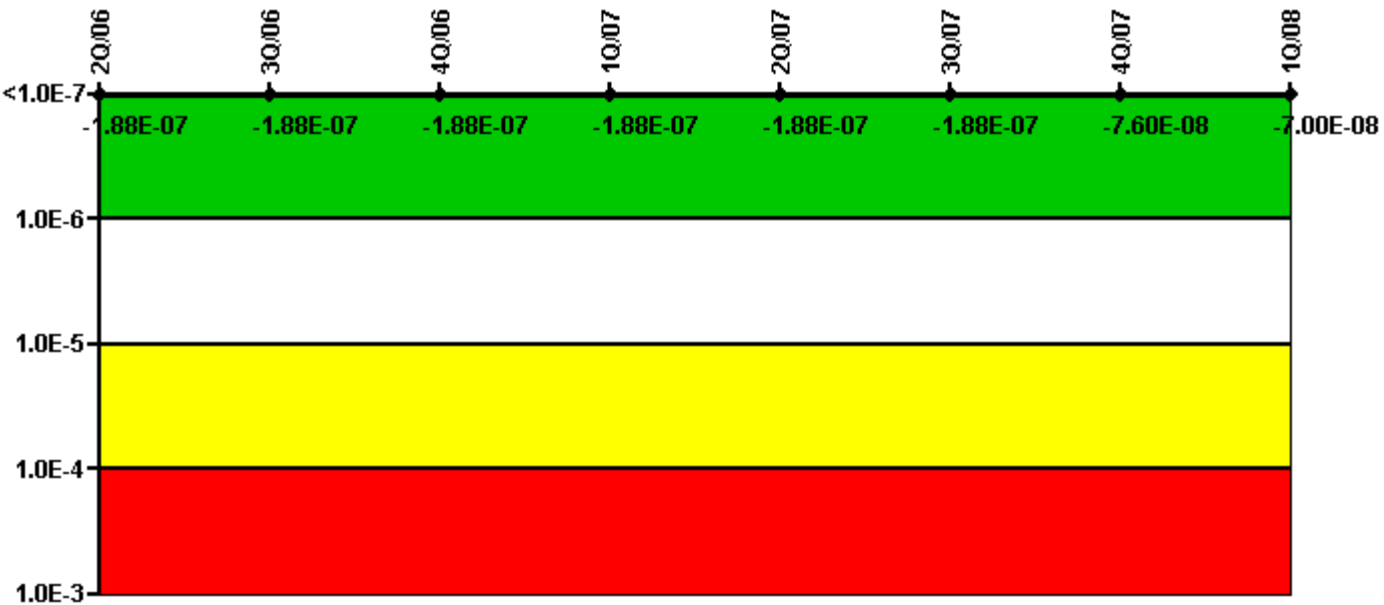
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-6.80E-07	-6.80E-07	-6.80E-07	-5.60E-07	-6.80E-07	-6.80E-07	-6.80E-07	-6.80E-07
URI (Δ CDF)	-4.30E-09	-1.10E-06	-1.10E-06	-1.10E-06	-1.10E-06	-1.10E-06	-1.10E-06	-1.10E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.84E-07	-1.78E-06	-1.78E-06	-1.66E-06	-1.78E-06	-1.78E-06	-1.78E-06	-1.78E-06

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



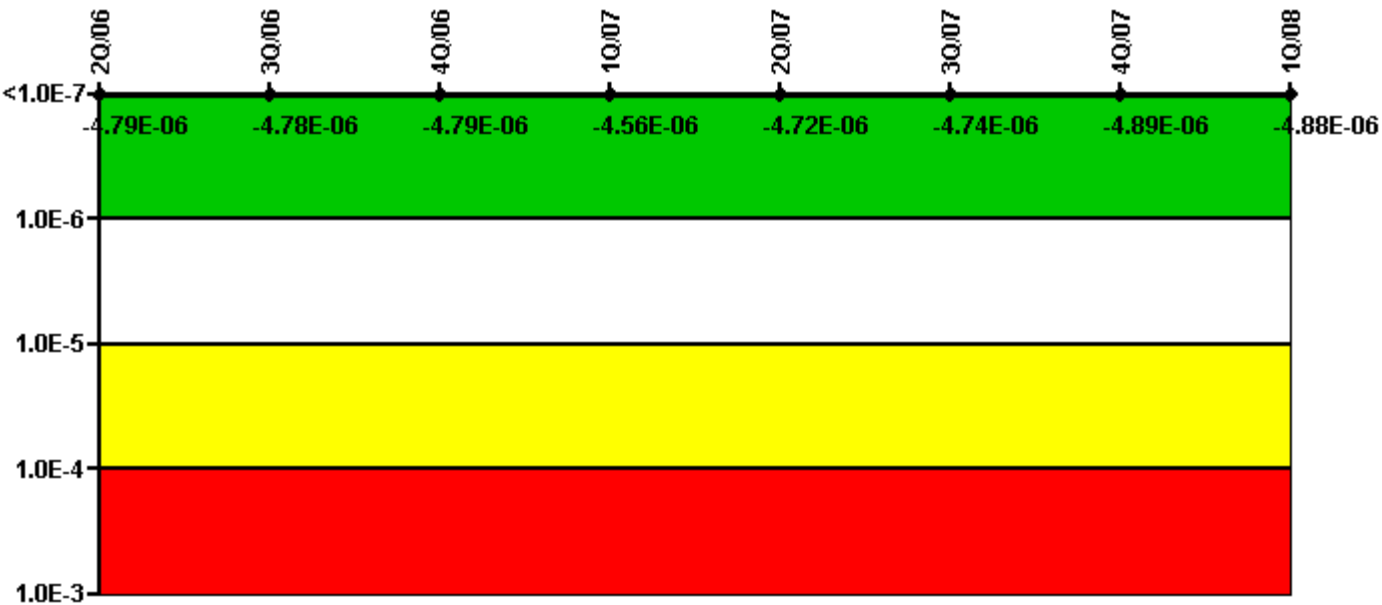
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-4.80E-08	-4.80E-08	-4.80E-08	-4.80E-08	-4.80E-08	-4.80E-08	5.40E-08	6.00E-08
URI (Δ CDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.88E-07	-1.88E-07	-1.88E-07	-1.88E-07	-1.88E-07	-1.88E-07	-7.60E-08	-7.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



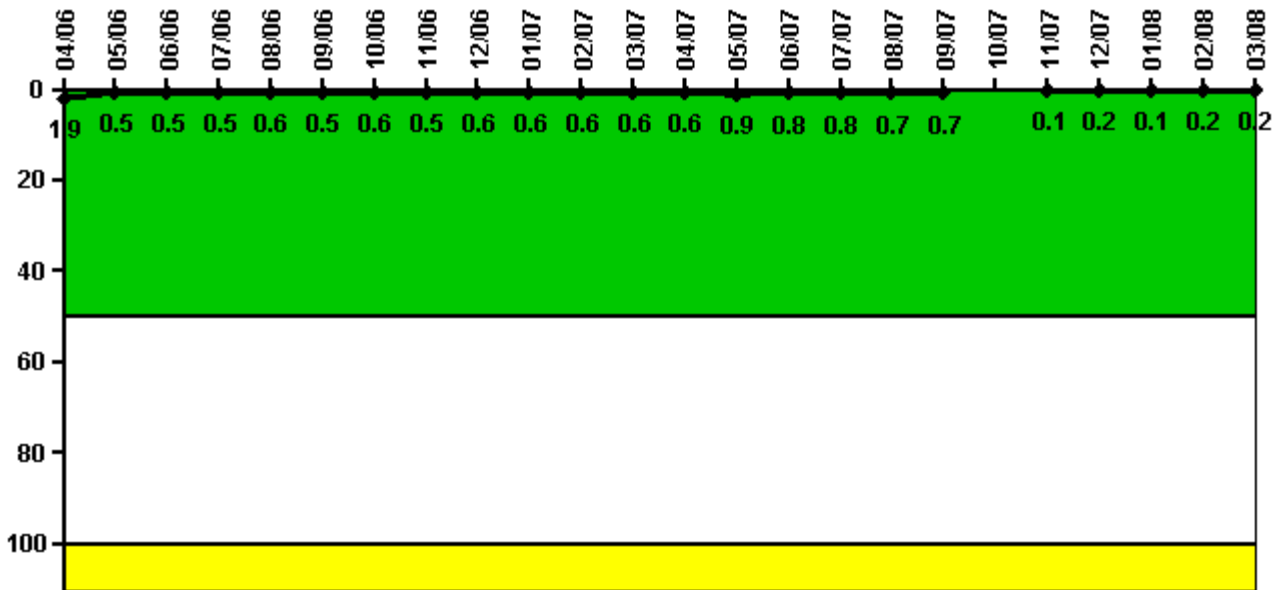
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-5.90E-07	-5.80E-07	-5.90E-07	-4.60E-07	-6.20E-07	-6.40E-07	-7.90E-07	-7.80E-07
URI (Δ CDF)	-4.20E-06	-4.20E-06	-4.20E-06	-4.10E-06	-4.10E-06	-4.10E-06	-4.10E-06	-4.10E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.79E-06	-4.78E-06	-4.79E-06	-4.56E-06	-4.72E-06	-4.74E-06	-4.89E-06	-4.88E-06

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

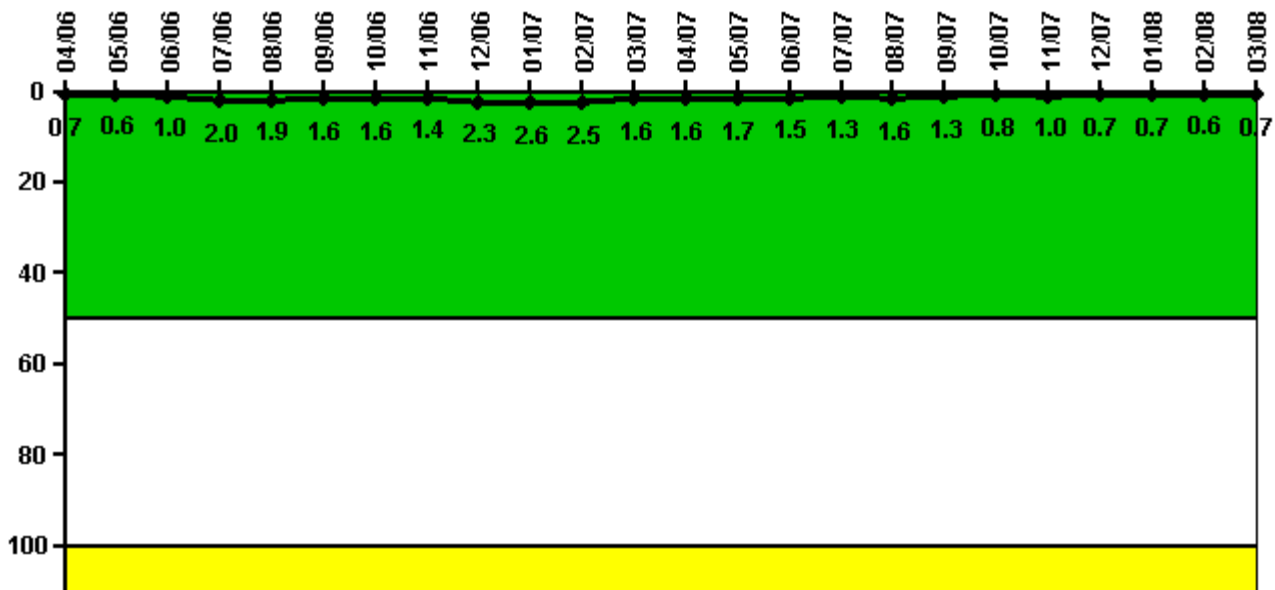
Notes

Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	0.018500	0.005050	0.004750	0.004950	0.005570	0.005334	0.005980	0.005330	0.005580	0.005752	0.006050	0.006310
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	1.9	0.5	0.5	0.5	0.6	0.5	0.6	0.5	0.6	0.6	0.6	0.6

Reactor Coolant System Activity	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum activity	0.006140	0.008630	0.007800	0.008000	0.006690	0.007110	N/A	0.001320	0.001600	0.001460	0.001530	0.001590
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	0.6	0.9	0.8	0.8	0.7	0.7	N/A	0.1	0.2	0.1	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



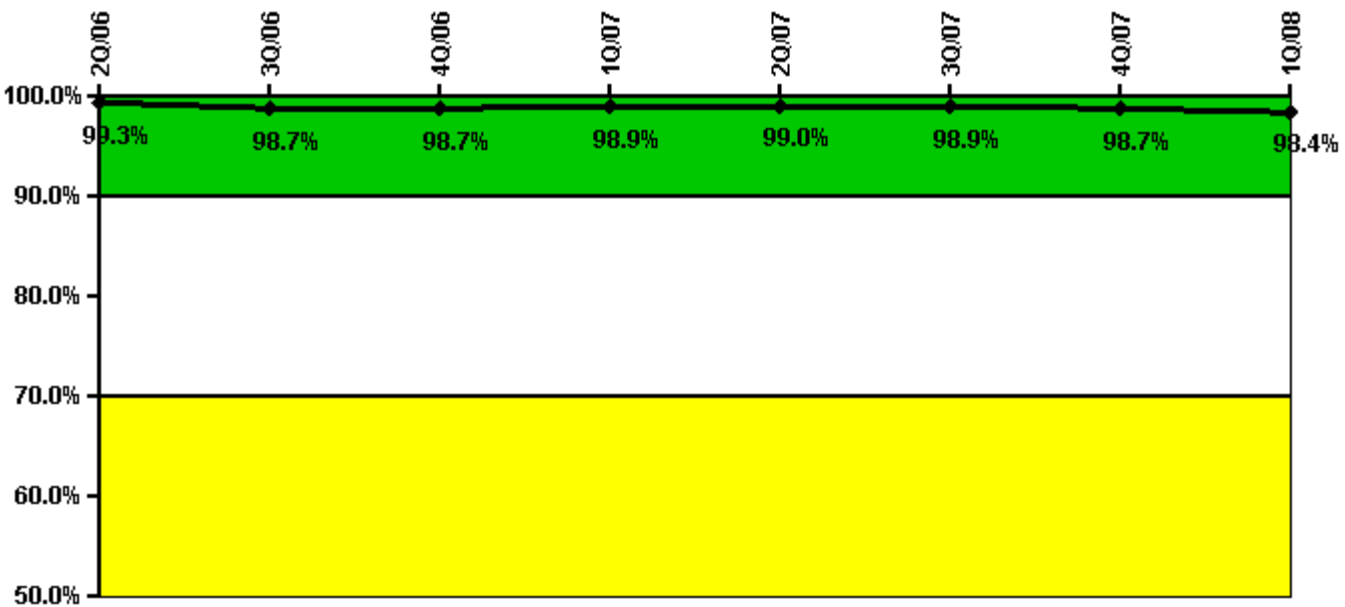
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0.069	0.057	0.101	0.197	0.190	0.159	0.159	0.142	0.234	0.256	0.245	0.155
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	1.0	2.0	1.9	1.6	1.6	1.4	2.3	2.6	2.5	1.6
Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.162	0.168	0.147	0.125	0.164	0.131	0.076	0.100	0.072	0.069	0.064	0.072
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	1.6	1.7	1.5	1.3	1.6	1.3	0.8	1.0	0.7	0.7	0.6	0.7

Licensee Comments: none

Drill/Exercise Performance



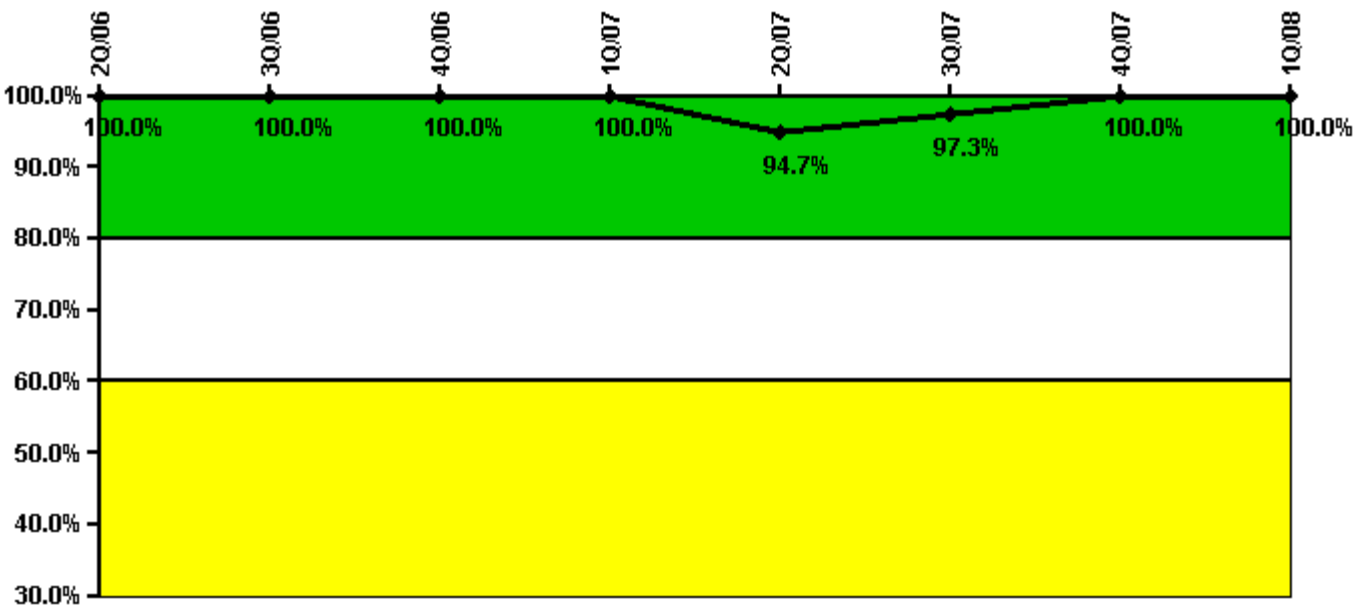
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	38.0	190.0	28.0	20.0	105.0	84.0	18.0	22.0
Total opportunities	38.0	194.0	28.0	20.0	106.0	84.0	19.0	24.0
Indicator value	99.3%	98.7%	98.7%	98.9%	99.0%	98.9%	98.7%	98.4%

Licensee Comments: none

ERO Drill Participation



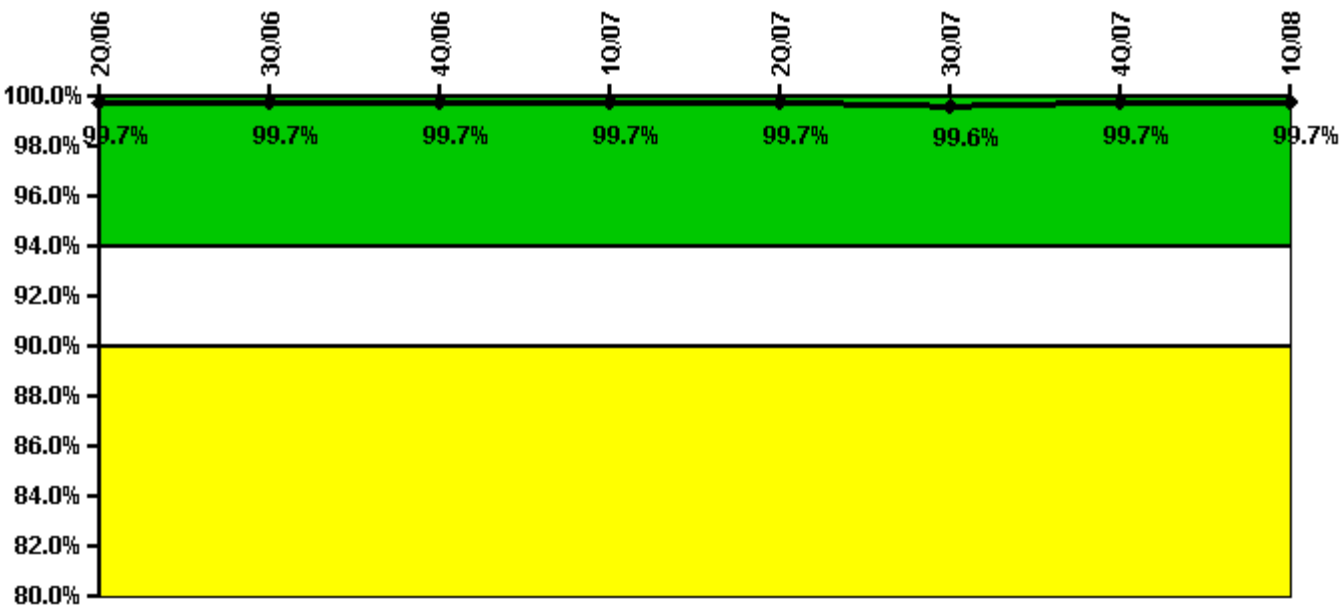
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	75.0	74.0	76.0	74.0	72.0	73.0	75.0	71.0
Total Key personnel	75.0	74.0	76.0	74.0	76.0	75.0	75.0	71.0
Indicator value	100.0%	100.0%	100.0%	100.0%	94.7%	97.3%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	4469	4451	4400	4470	4466	4448	4474	4473
Total sirens-tests	4479	4480	4410	4480	4478	4480	4480	4478
Indicator value	99.7%	99.7%	99.7%	99.7%	99.7%	99.6%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/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	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/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

[Physical Protection](#) information not publicly available.

▲ [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 30, 2008