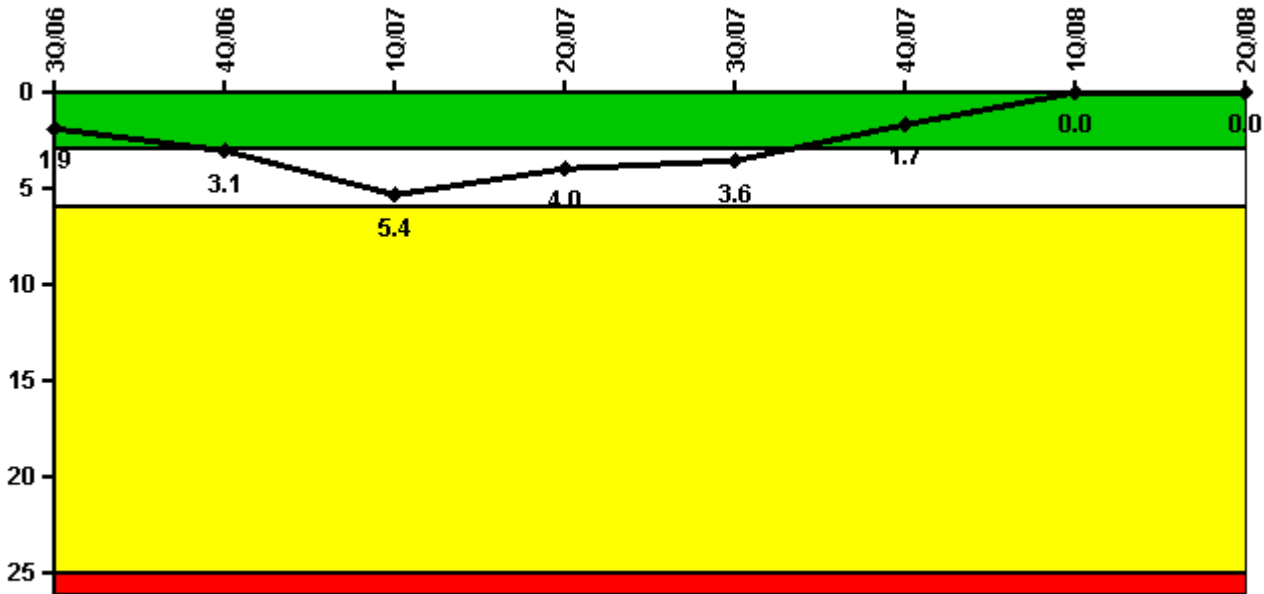


Kewaunee

2Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



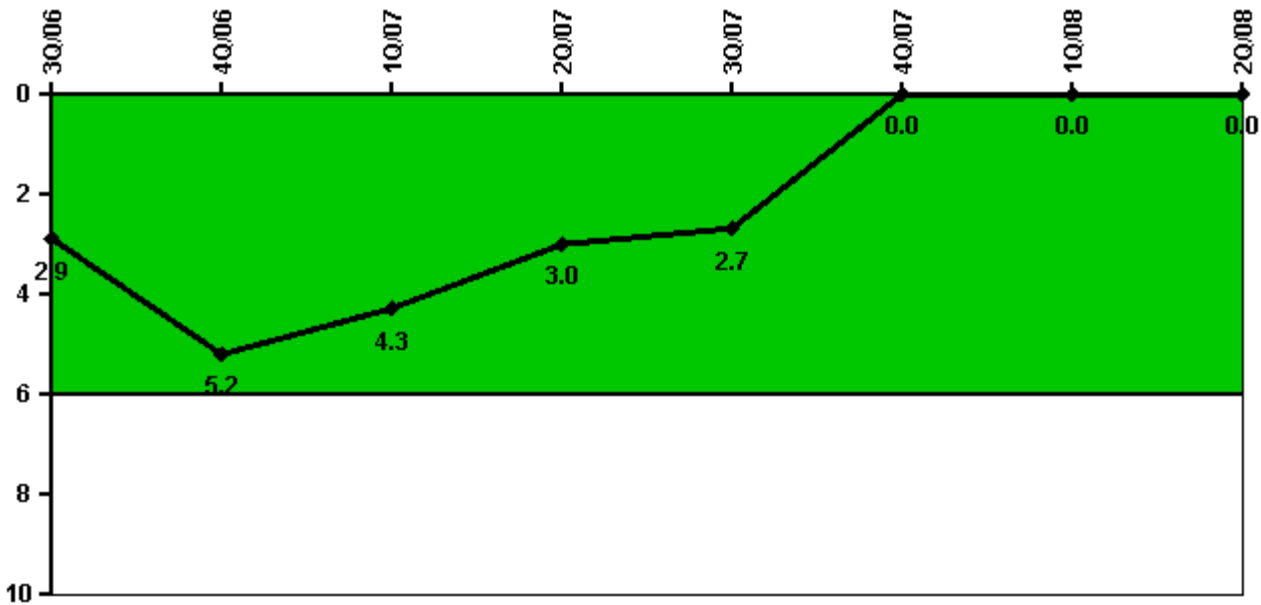
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	2.0	2.0	0	0	0	0	0
Critical hours	1512.7	1505.1	1870.0	2184.0	2208.0	2025.3	2111.9	1278.5
Indicator value	1.9	3.1	5.4	4.0	3.6	1.7	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	3.0	0	0	0	0	0	0
Critical hours	1512.7	1505.1	1870.0	2184.0	2208.0	2025.3	2111.9	1278.5
Indicator value	2.9	5.2	4.3	3.0	2.7	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



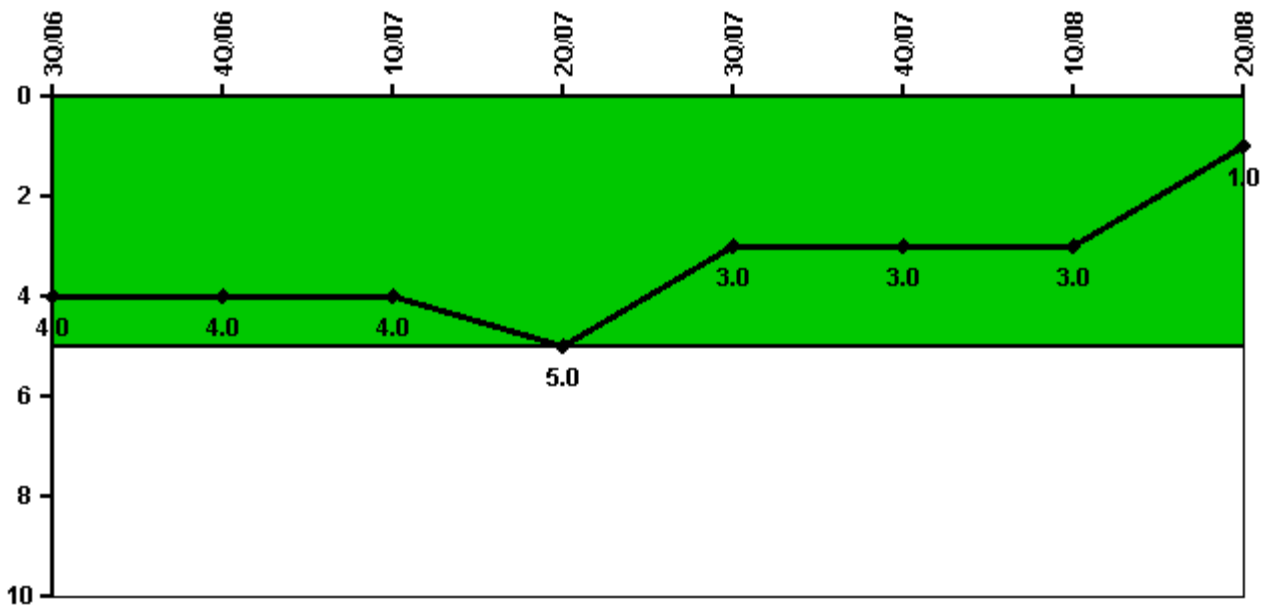
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



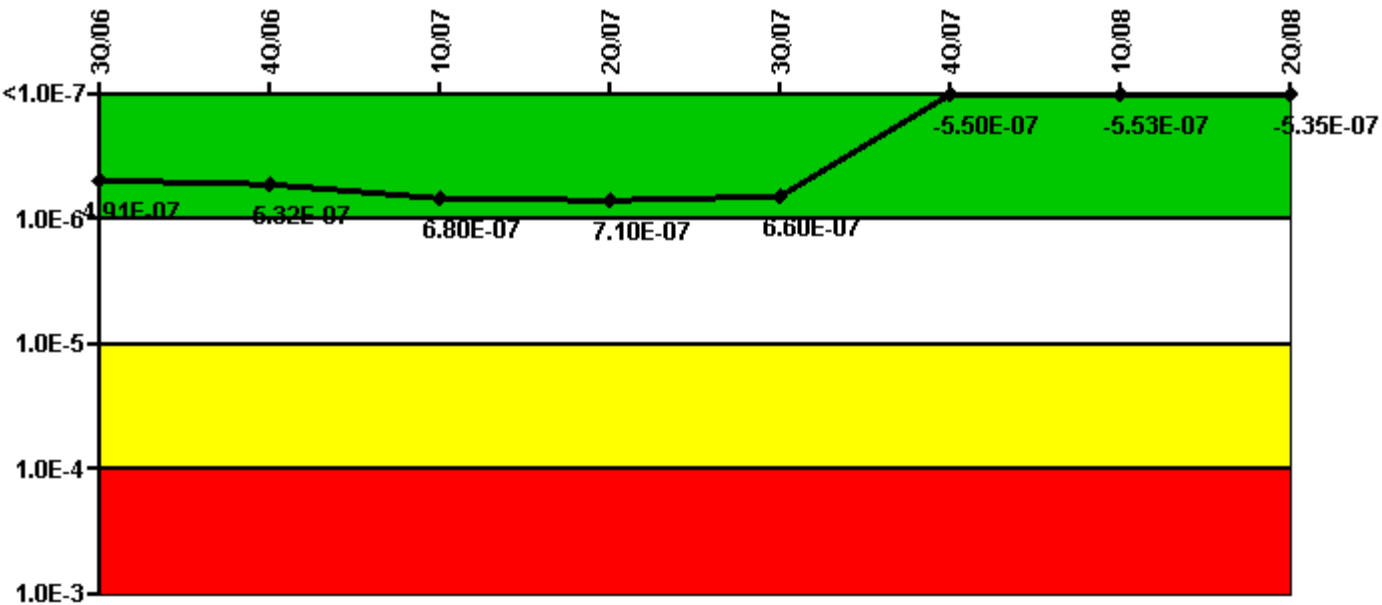
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Safety System Functional Failures	2	1	0	2	0	1	0	0
Indicator value	4	4	4	5	3	3	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

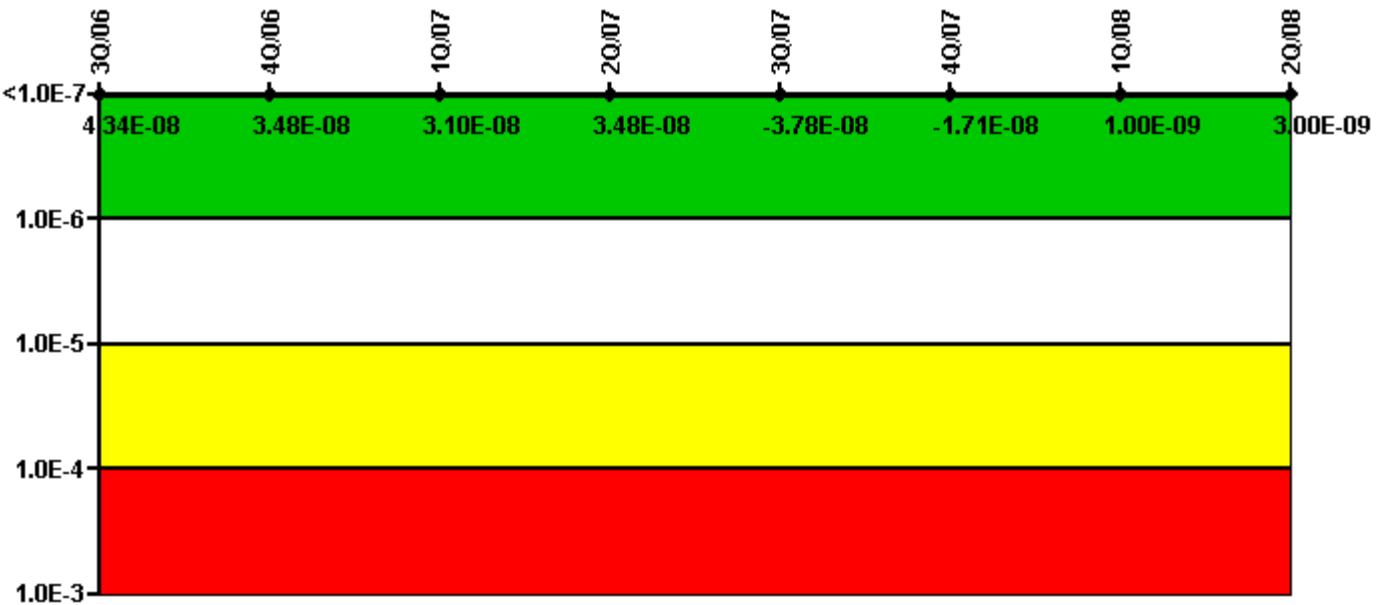
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-3.90E-08	-8.30E-09	1.60E-07	1.90E-07	1.40E-07	8.00E-08	8.70E-08	7.50E-08
URI (Δ CDF)	5.30E-07	5.40E-07	5.20E-07	5.20E-07	5.20E-07	-6.30E-07	-6.40E-07	-6.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.91E-07	5.32E-07	6.80E-07	7.10E-07	6.60E-07	-5.50E-07	-5.53E-07	-5.35E-07

Licensee Comments:

2Q/08: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



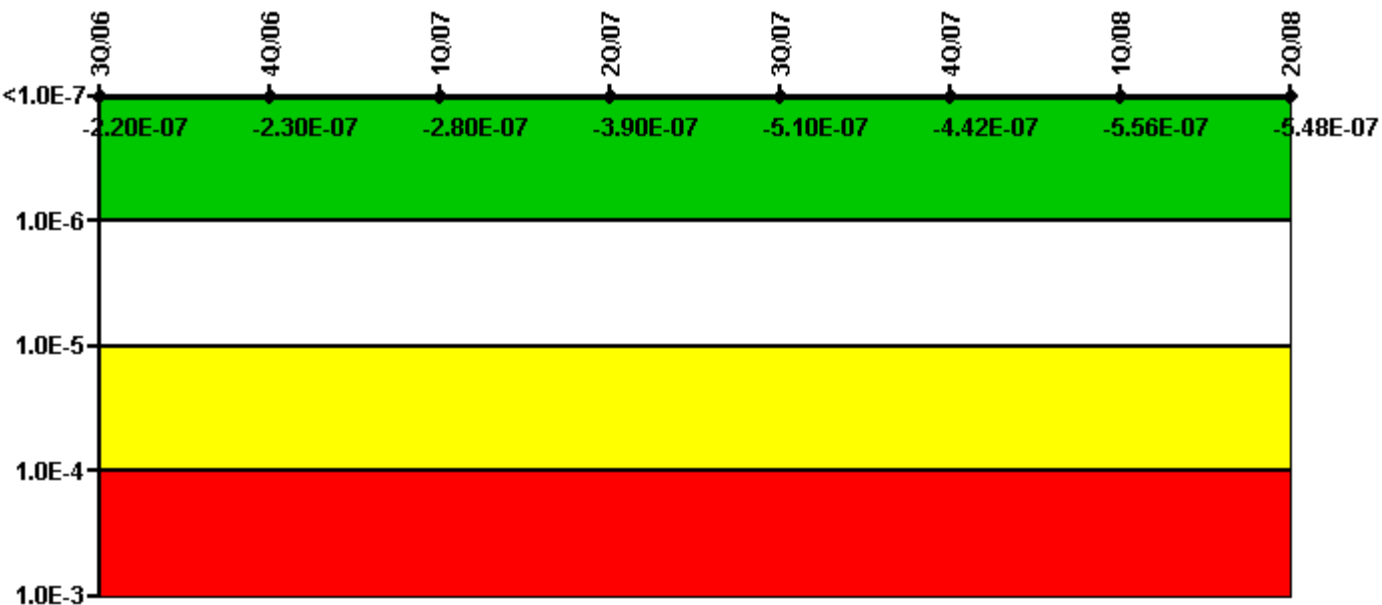
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-5.60E-09	-6.20E-09	-1.00E-08	-6.20E-09	-2.80E-09	2.90E-09	2.30E-08	2.60E-08
URI (Δ CDF)	4.90E-08	4.10E-08	4.10E-08	4.10E-08	-3.50E-08	-2.00E-08	-2.20E-08	-2.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.34E-08	3.48E-08	3.10E-08	3.48E-08	-3.78E-08	-1.71E-08	1.00E-09	3.00E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

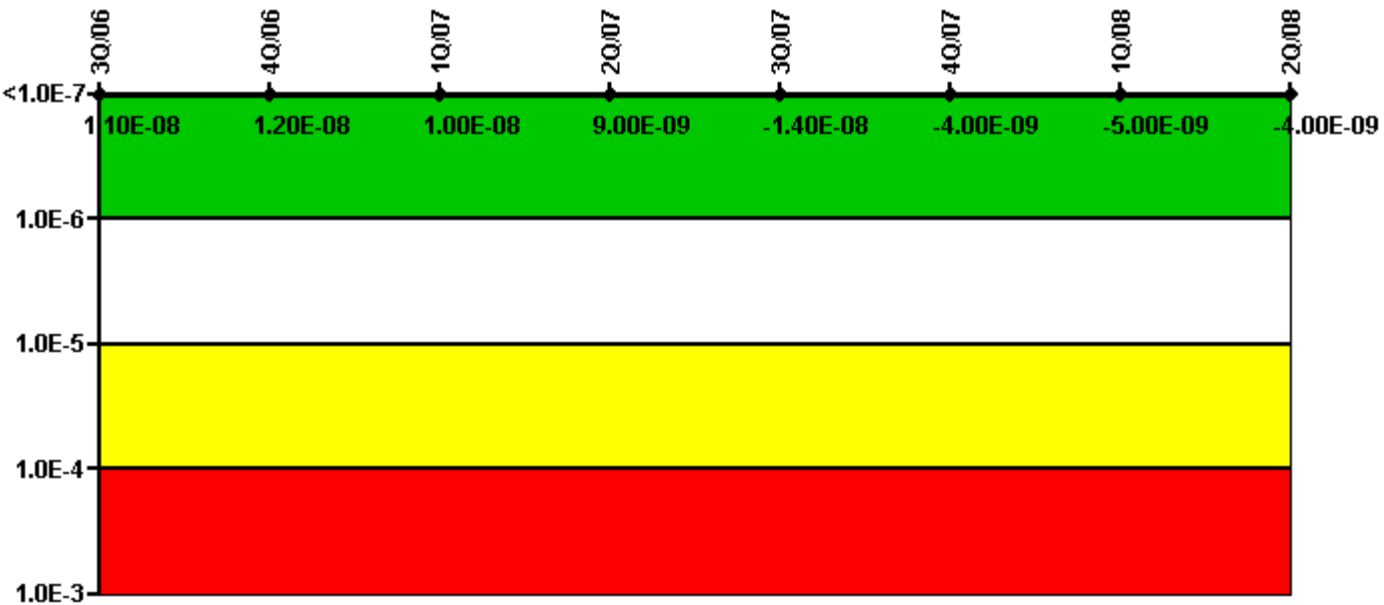
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	2.10E-07	2.20E-07	2.00E-07	1.00E-07	4.00E-08	1.80E-08	-7.60E-08	-7.80E-08
URI (Δ CDF)	-4.30E-07	-4.50E-07	-4.80E-07	-4.90E-07	-5.50E-07	-4.60E-07	-4.80E-07	-4.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.20E-07	-2.30E-07	-2.80E-07	-3.90E-07	-5.10E-07	-4.42E-07	-5.56E-07	-5.48E-07

Licensee Comments:

2Q/08: Changed PRA Parameter(s). PRA and device records have been updated for auxiliary feedwater pump discharge valves to reflect changing the valve operators from AOVs to MOVs during April 2008 under design change 3609-1.

Mitigating Systems Performance Index, Residual Heat Removal System



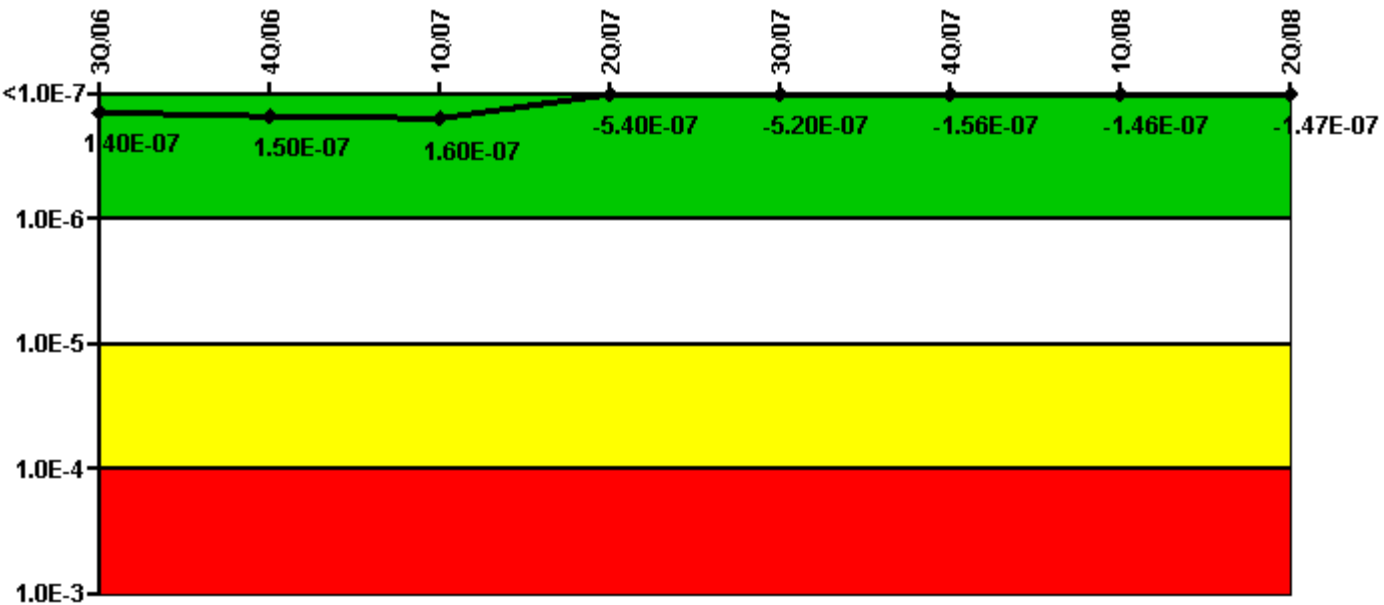
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	5.90E-08	6.40E-08	6.10E-08	6.00E-08	3.60E-08	3.10E-08	2.90E-08	2.60E-08
URI (Δ CDF)	-4.80E-08	-5.20E-08	-5.10E-08	-5.10E-08	-5.00E-08	-3.50E-08	-3.40E-08	-3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.10E-08	1.20E-08	1.00E-08	9.00E-09	-1.40E-08	-4.00E-09	-5.00E-09	-4.00E-09

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



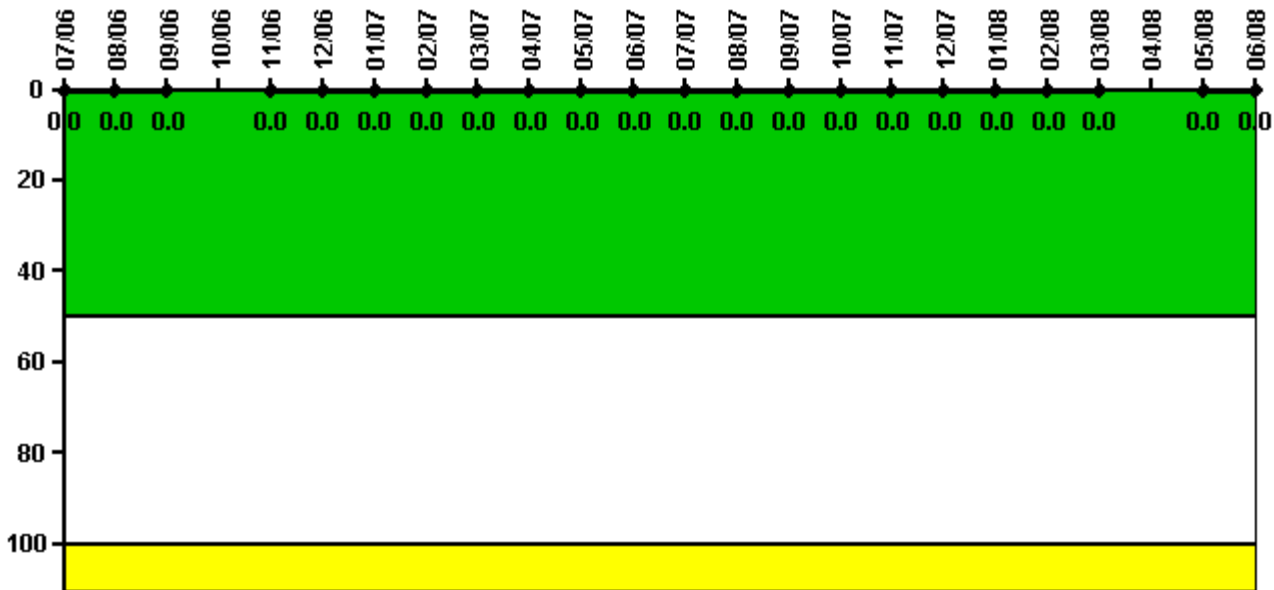
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07	-1.10E-07	-1.00E-07	-9.90E-08
URI (Δ CDF)	2.80E-07	2.90E-07	3.00E-07	-4.00E-07	-3.90E-07	-4.60E-08	-4.60E-08	-4.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.40E-07	1.50E-07	1.60E-07	-5.40E-07	-5.20E-07	-1.56E-07	-1.46E-07	-1.47E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

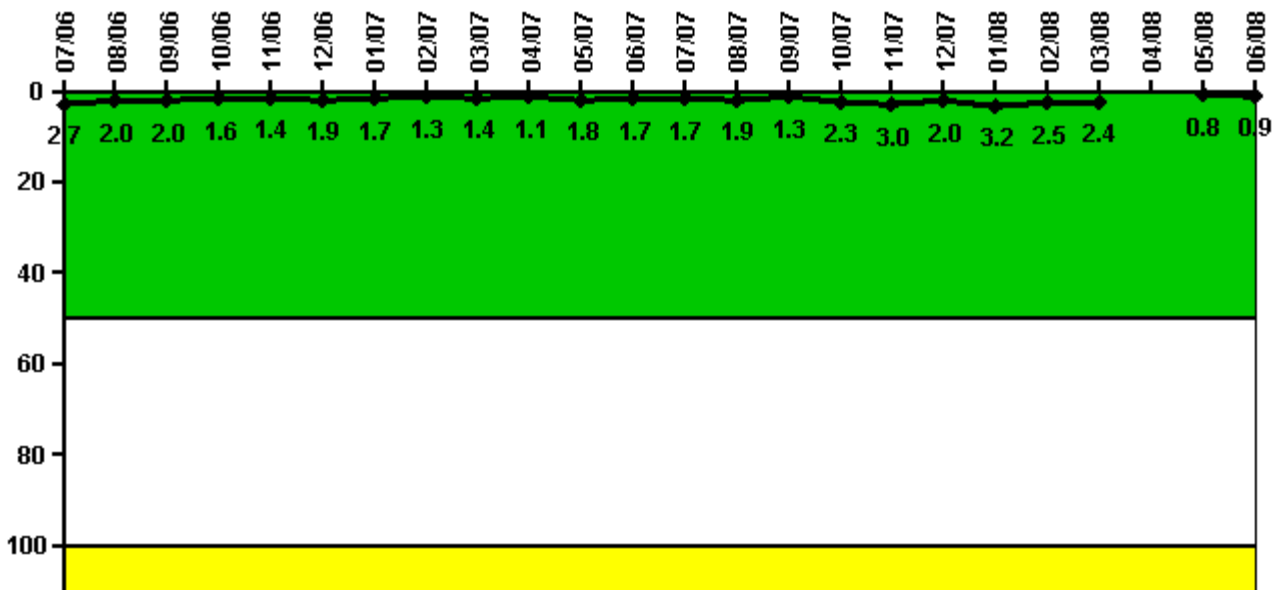
Notes

Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000125	0.000197	0.000139	N/A	0.000076	0.000103	0.000078	0.000082	0.000085	0.000096	0.000094	0.000097
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	N/A	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000098	0.000103	0.000107	0.000105	0.000111	0.000112	0.000114	0.000121	0.000122	N/A	0.000021	0.000093
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	N/A	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

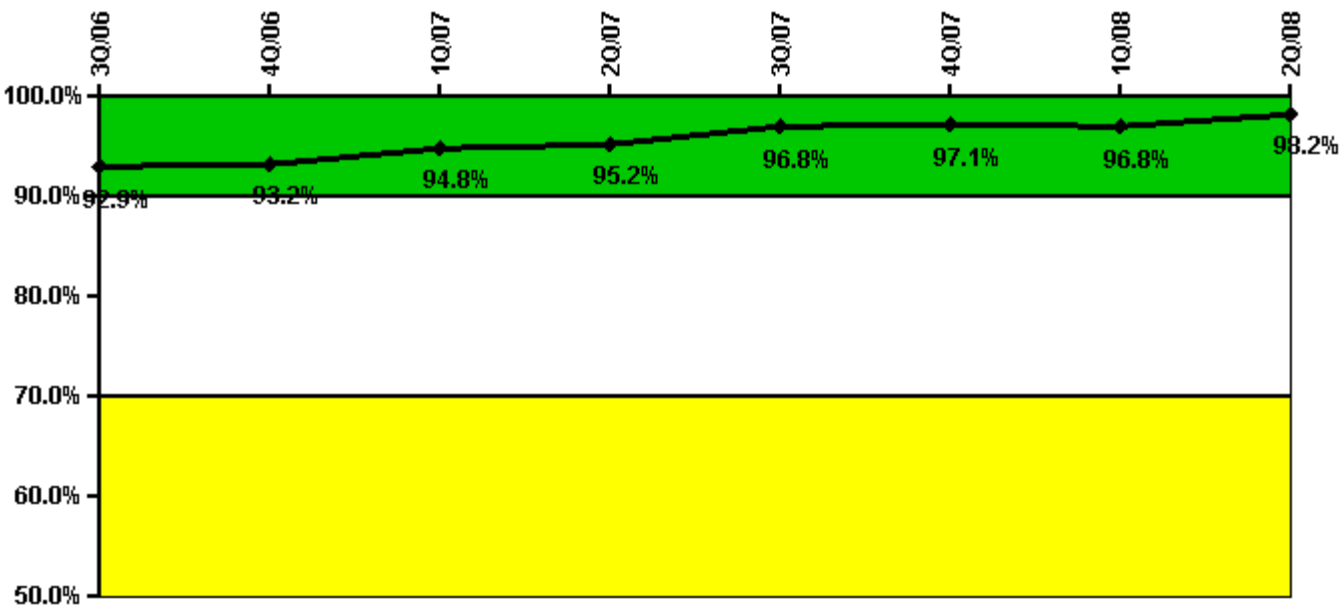
Notes

Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	0.268	0.200	0.200	0.157	0.137	0.191	0.171	0.125	0.137	0.114	0.180	0.171
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	2.7	2.0	2.0	1.6	1.4	1.9	1.7	1.3	1.4	1.1	1.8	1.7

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0.166	0.187	0.134	0.231	0.295	0.198	0.316	0.250	0.239	N/A	0.076	0.085
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	1.7	1.9	1.3	2.3	3.0	2.0	3.2	2.5	2.4	N/A	0.8	0.9

Licensee Comments: none

Drill/Exercise Performance



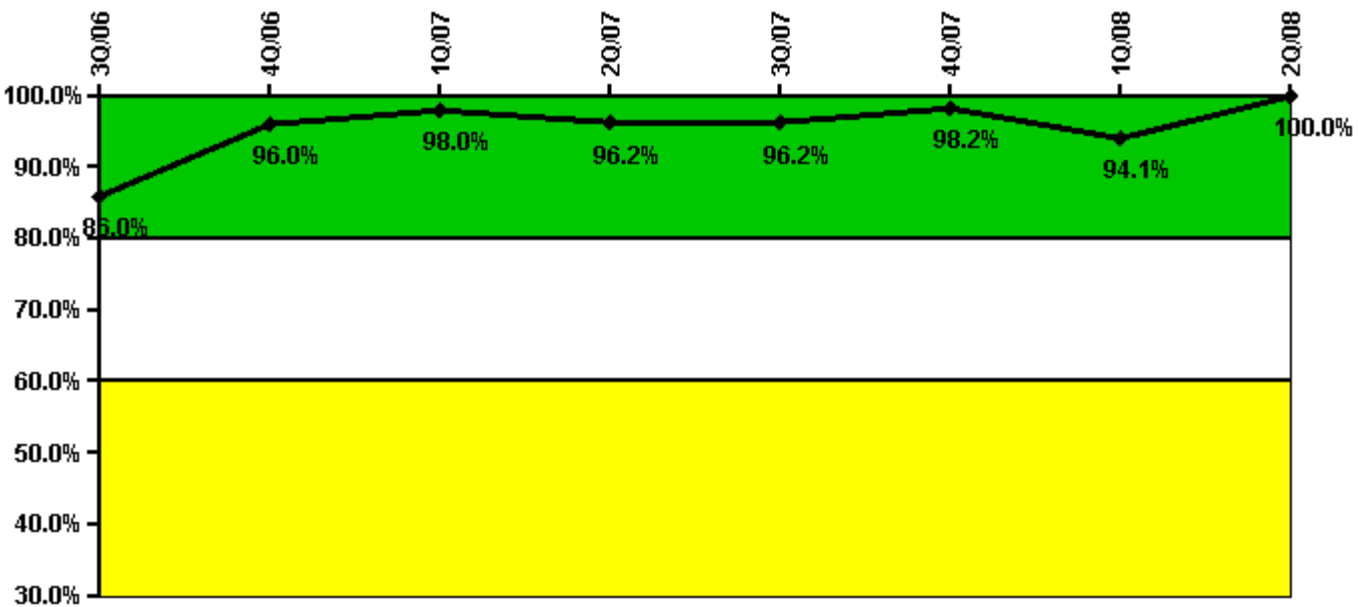
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	6.0	23.0	117.0	35.0	53.0	15.0	32.0	44.0
Total opportunities	6.0	24.0	118.0	36.0	54.0	16.0	33.0	44.0
Indicator value	92.9%	93.2%	94.8%	95.2%	96.8%	97.1%	96.8%	98.2%

Licensee Comments: none

ERO Drill Participation



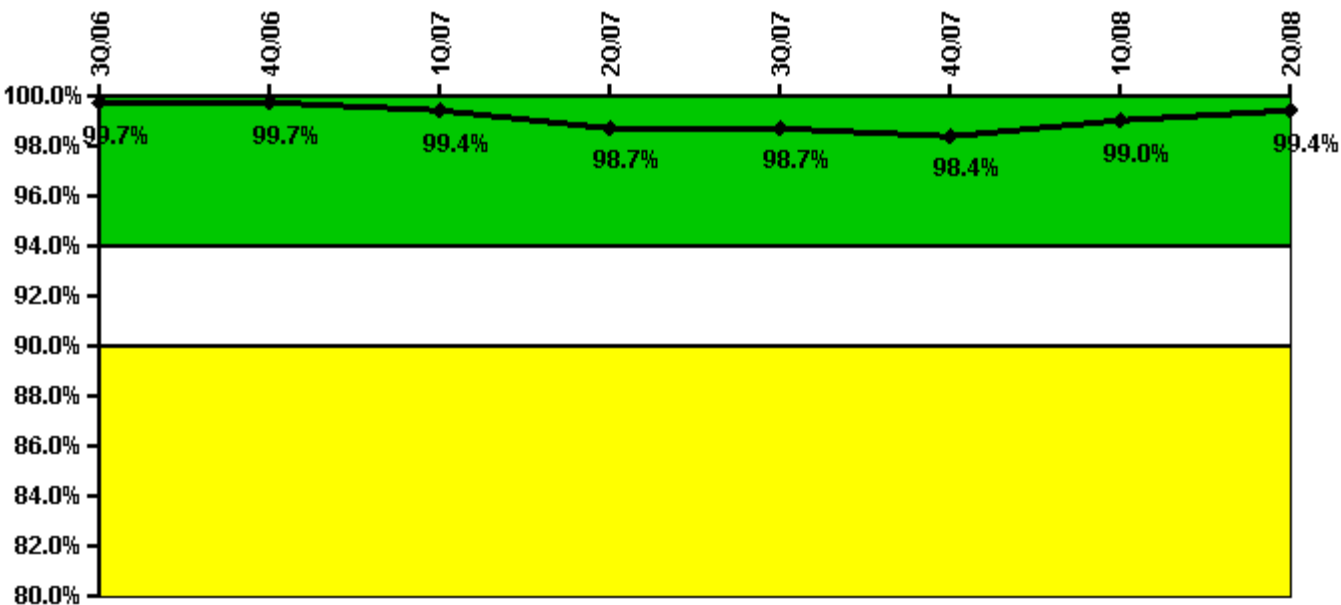
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	43.0	48.0	50.0	50.0	51.0	54.0	48.0	52.0
Total Key personnel	50.0	50.0	51.0	52.0	53.0	55.0	51.0	52.0
Indicator value	86.0%	96.0%	98.0%	96.2%	96.2%	98.2%	94.1%	100.0%

Licensee Comments: none

Alert & Notification System



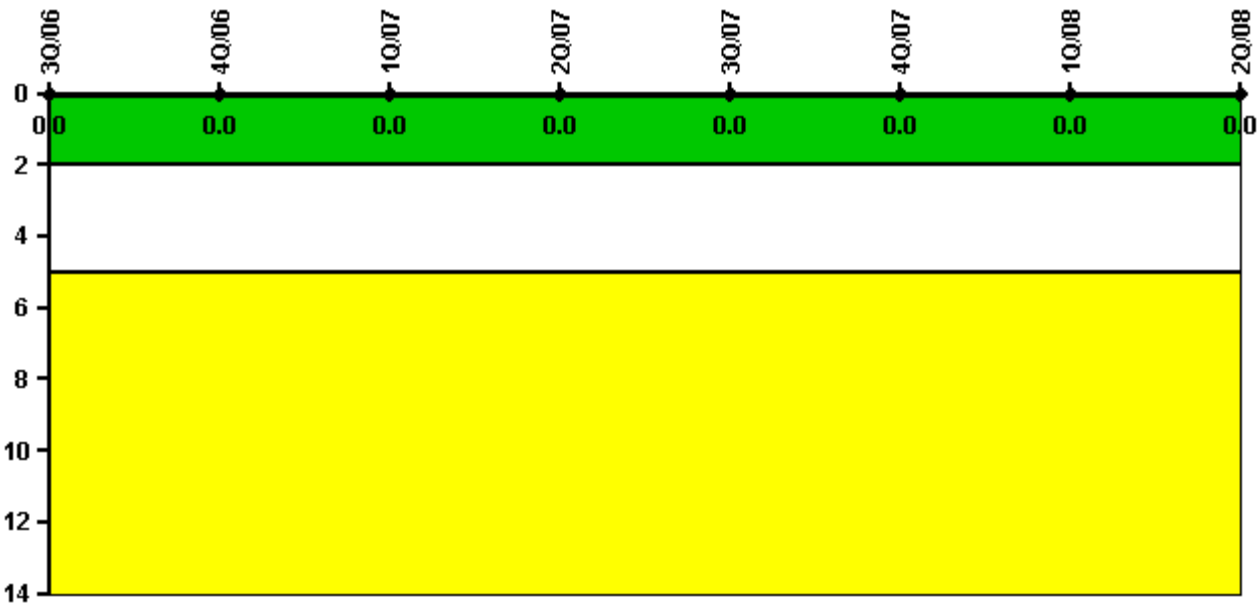
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	78	78	76	76	78	77	78	77
Total sirens-tests	78	78	78	78	78	78	78	78
Indicator value	99.7%	99.7%	99.4%	98.7%	98.7%	98.4%	99.0%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/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	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/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: August 4, 2008