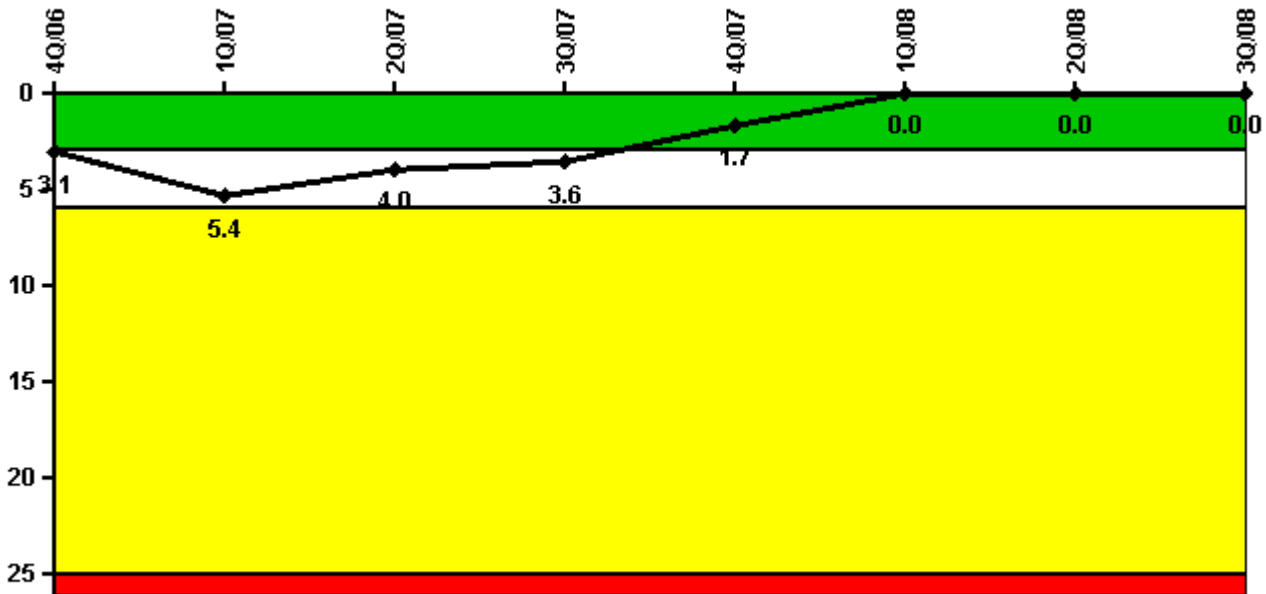


Kewaunee

3Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



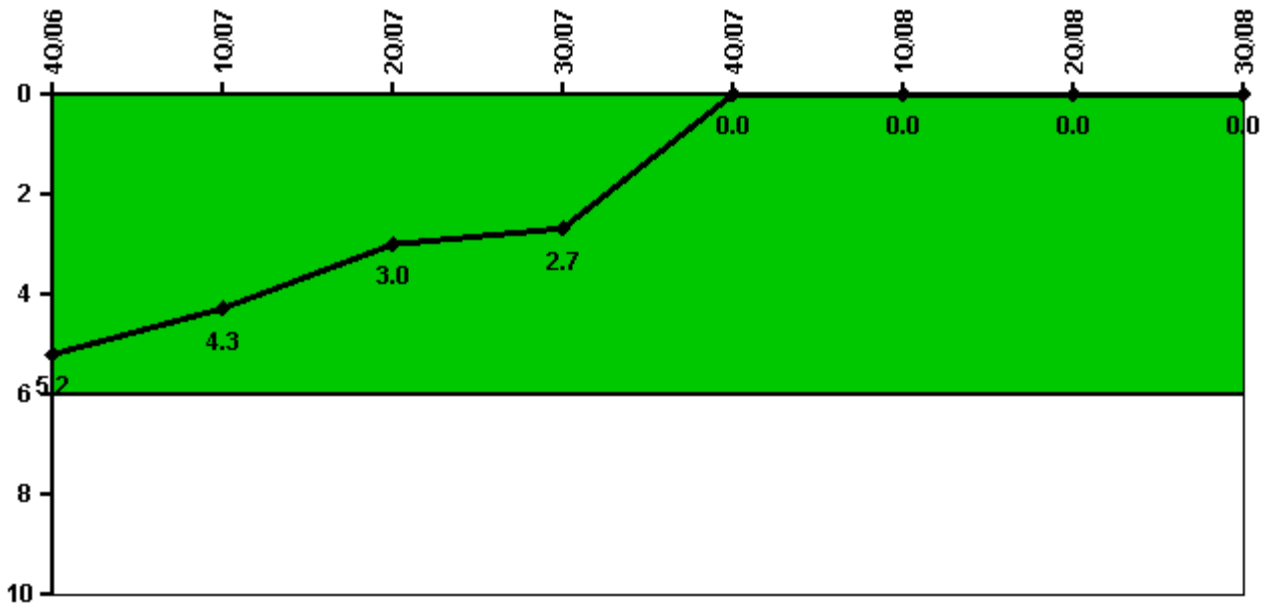
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	2.0	2.0	0	0	0	0	0	0
Critical hours	1505.1	1870.0	2184.0	2208.0	2025.3	2111.9	1278.5	2208.0
Indicator value	3.1	5.4	4.0	3.6	1.7	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	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	3.0	0	0	0	0	0	0	0
Critical hours	1505.1	1870.0	2184.0	2208.0	2025.3	2111.9	1278.5	2208.0
Indicator value	5.2	4.3	3.0	2.7	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



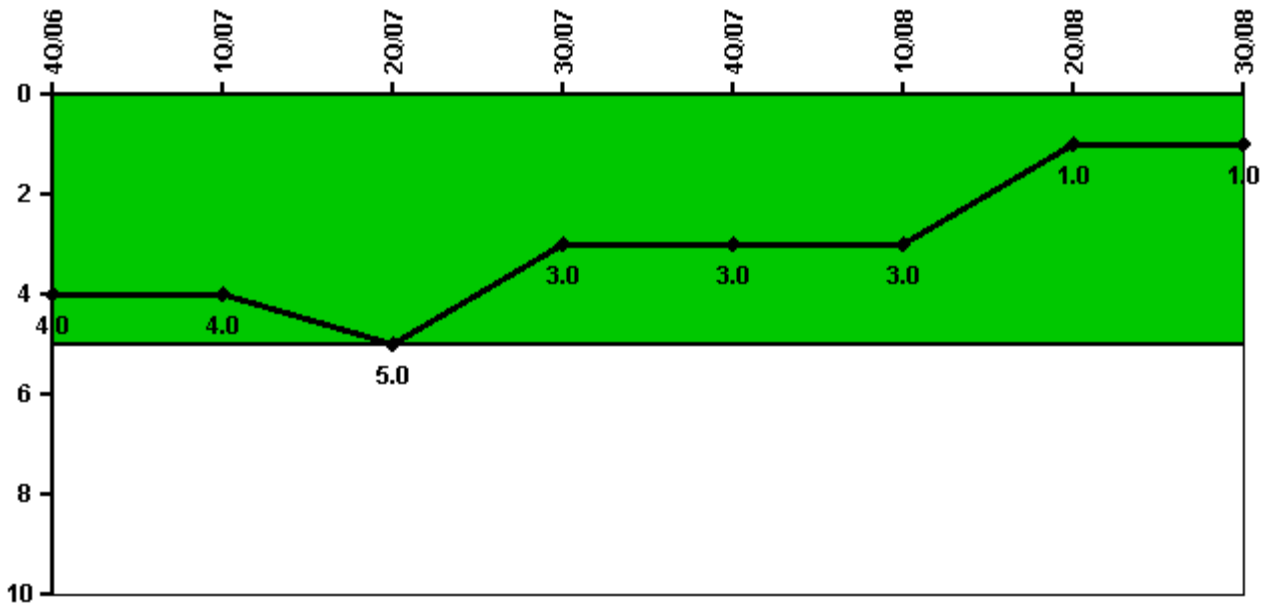
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



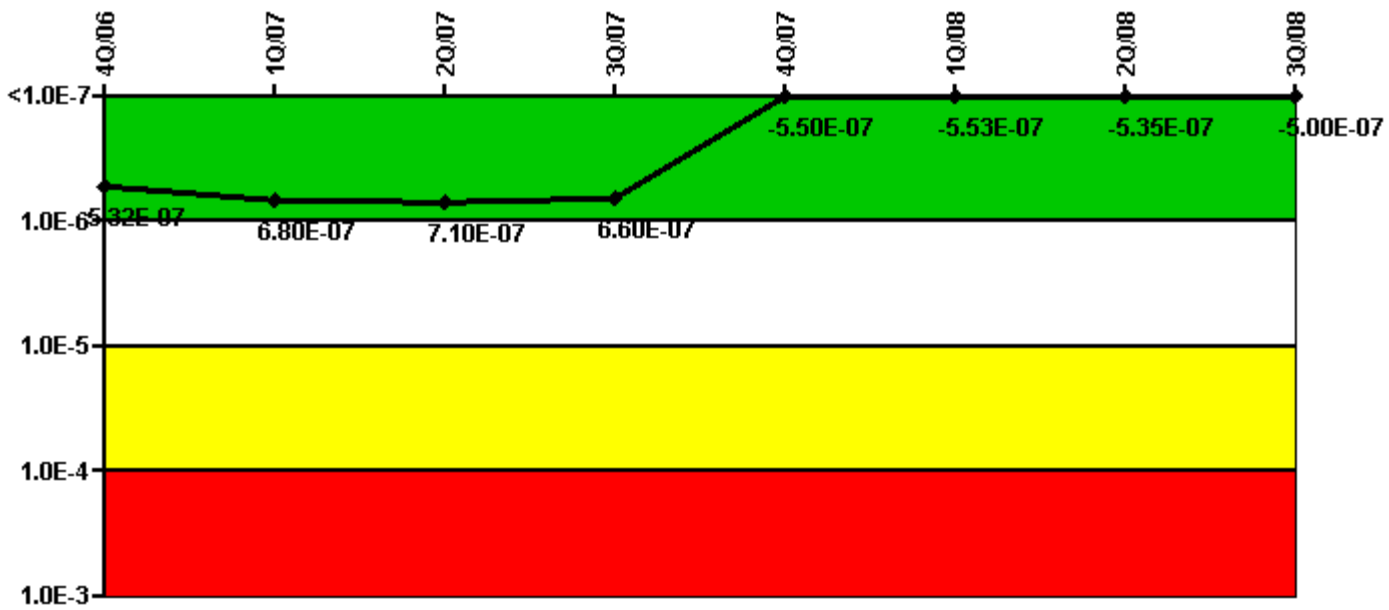
Thresholds: White > 5.0

Notes

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

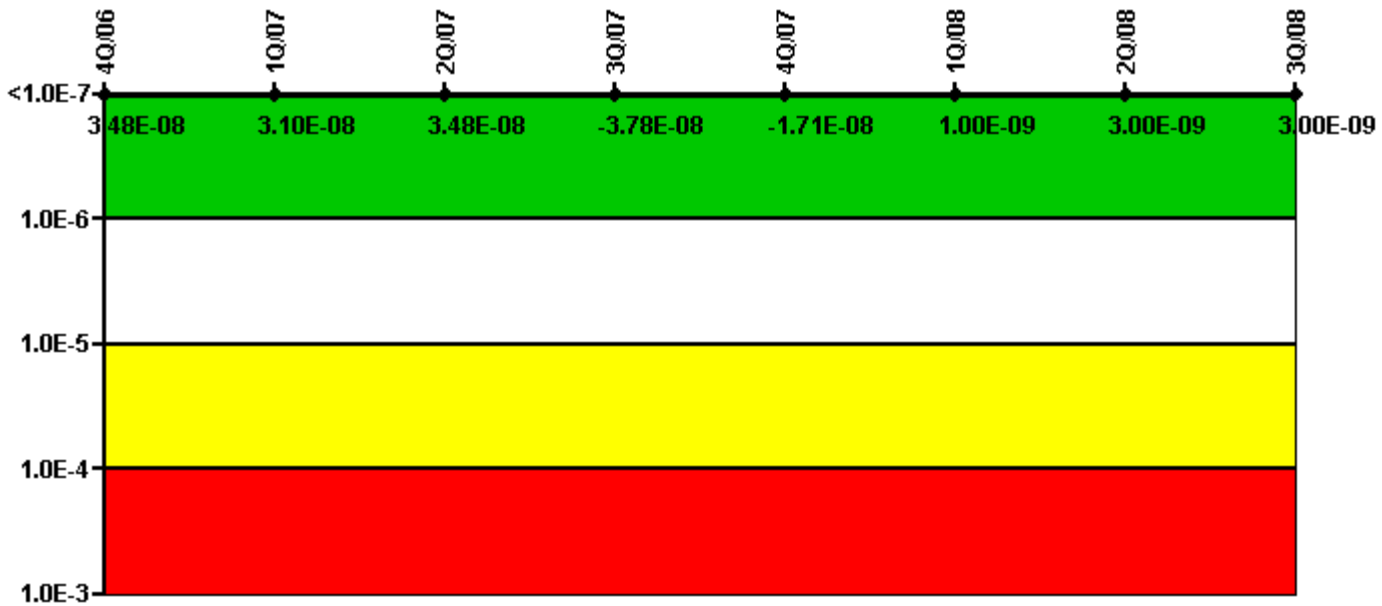
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	-8.30E-09	1.60E-07	1.90E-07	1.40E-07	8.00E-08	8.70E-08	7.50E-08	1.10E-07
URI (ΔCDF)	5.40E-07	5.20E-07	5.20E-07	5.20E-07	-6.30E-07	-6.40E-07	-6.10E-07	-6.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.32E-07	6.80E-07	7.10E-07	6.60E-07	-5.50E-07	-5.53E-07	-5.35E-07	-5.00E-07

Licensee Comments:

3Q/08: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



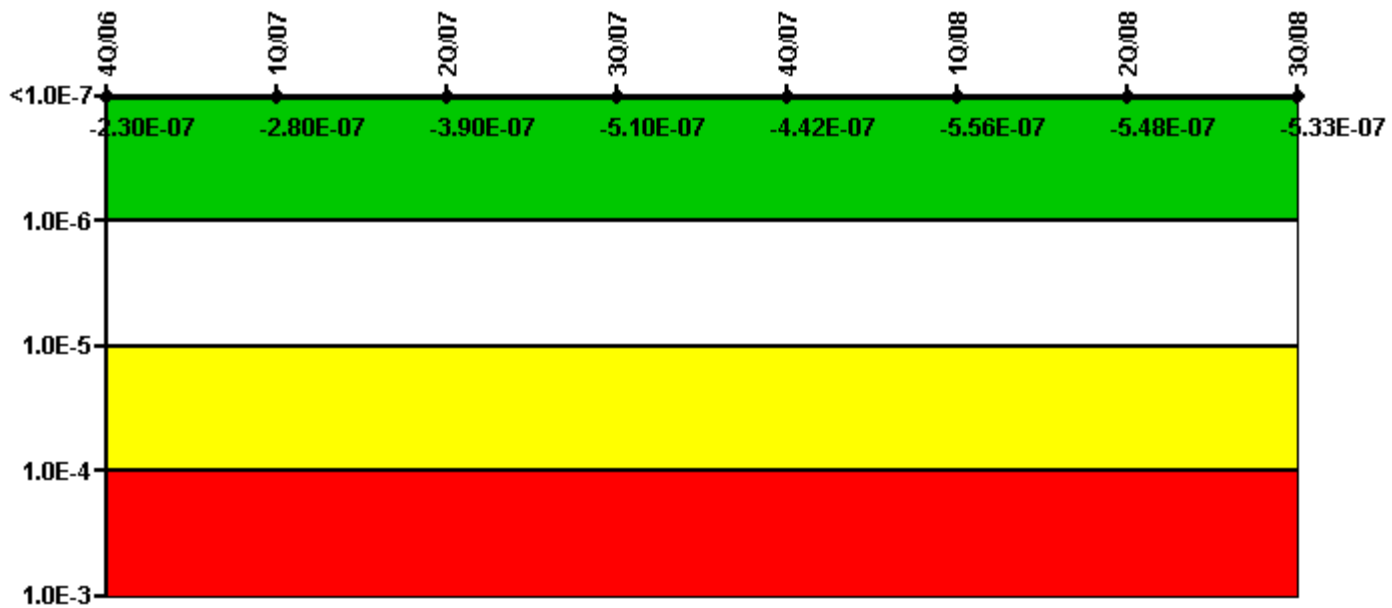
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	-6.20E-09	-1.00E-08	-6.20E-09	-2.80E-09	2.90E-09	2.30E-08	2.60E-08	2.70E-08
URI (Δ CDF)	4.10E-08	4.10E-08	4.10E-08	-3.50E-08	-2.00E-08	-2.20E-08	-2.30E-08	-2.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.48E-08	3.10E-08	3.48E-08	-3.78E-08	-1.71E-08	1.00E-09	3.00E-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

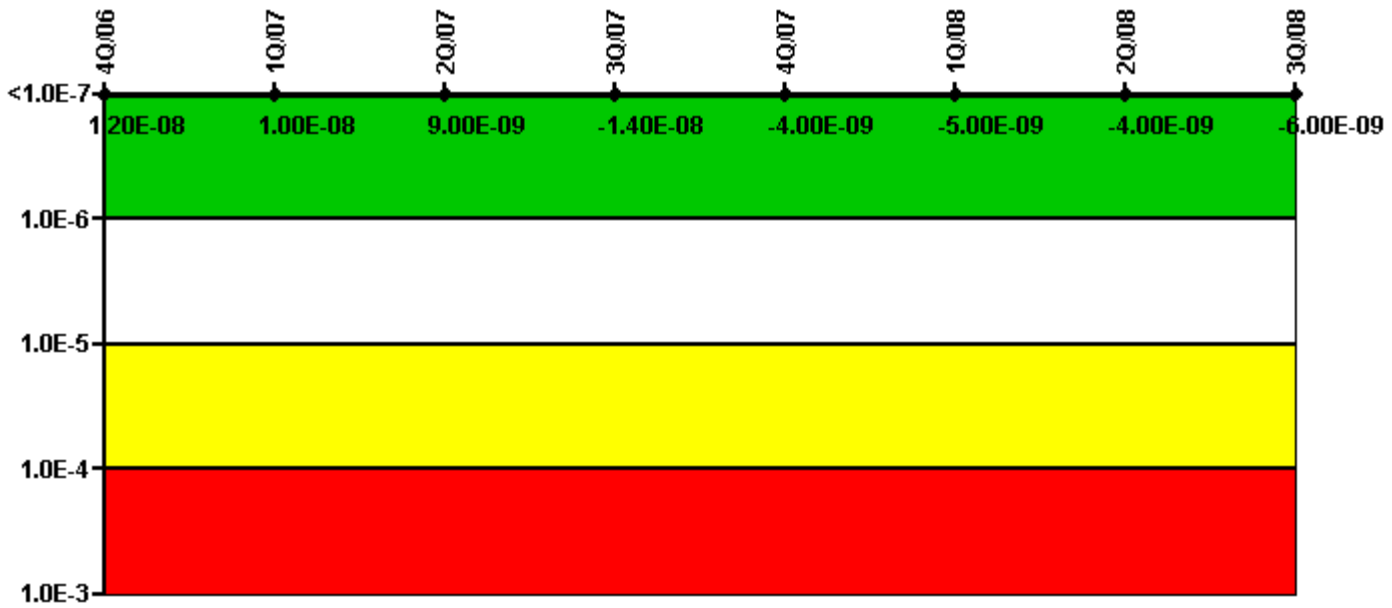
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	2.20E-07	2.00E-07	1.00E-07	4.00E-08	1.80E-08	-7.60E-08	-7.80E-08	-5.30E-08
URI (Δ CDF)	-4.50E-07	-4.80E-07	-4.90E-07	-5.50E-07	-4.60E-07	-4.80E-07	-4.70E-07	-4.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-07	-2.80E-07	-3.90E-07	-5.10E-07	-4.42E-07	-5.56E-07	-5.48E-07	-5.33E-07

Licensee Comments:

3Q/08: Changed PRA Parameter(s). A modification was made to the auxiliary feedwater (AFW) system during 2nd qtr 2008 which resulted in revised PRA parameters. The AFW pump discharge isolation valves were changed from AOVs to MOVs and the train crossover MOVs were given control capability rather than just open/close capability. The PRA parameter changes were entered 7/11/08 and were made effective during the 2nd qtr 2008.

Mitigating Systems Performance Index, Residual Heat Removal System



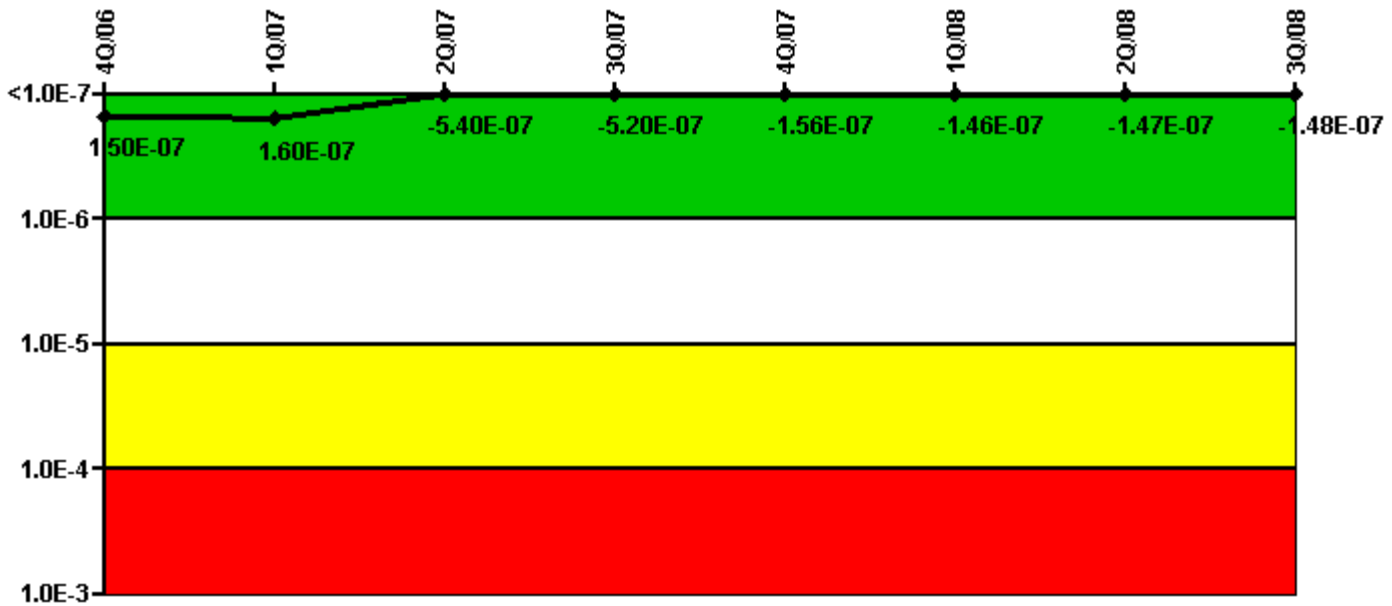
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	6.40E-08	6.10E-08	6.00E-08	3.60E-08	3.10E-08	2.90E-08	2.60E-08	2.40E-08
URI (Δ CDF)	-5.20E-08	-5.10E-08	-5.10E-08	-5.00E-08	-3.50E-08	-3.40E-08	-3.00E-08	-3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-08	1.00E-08	9.00E-09	-1.40E-08	-4.00E-09	-5.00E-09	-4.00E-09	-6.00E-09

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

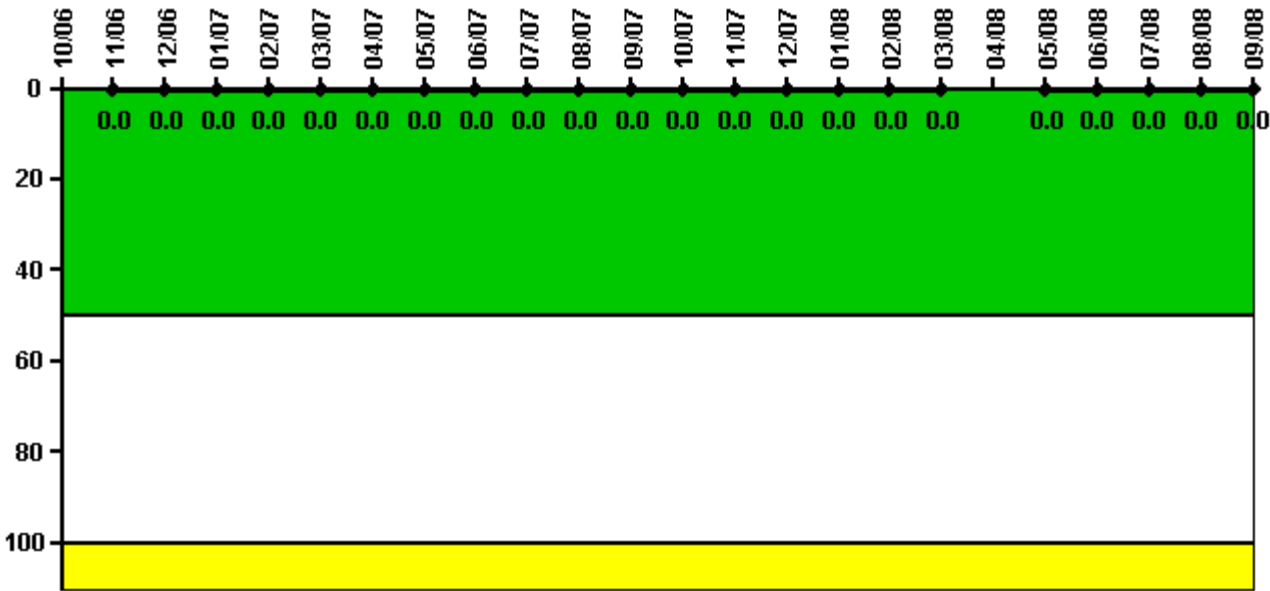
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07	-1.10E-07	-1.00E-07	-9.90E-08	-1.00E-07
URI (Δ CDF)	2.90E-07	3.00E-07	-4.00E-07	-3.90E-07	-4.60E-08	-4.60E-08	-4.80E-08	-4.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.50E-07	1.60E-07	-5.40E-07	-5.20E-07	-1.56E-07	-1.46E-07	-1.47E-07	-1.48E-07

Licensee Comments:

2Q/08: Revised unavailable hours for May 2008 (added 2 hours) for Service Water Train A. This change does not challenge the green/white thresholds. Indicator continues to be green.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

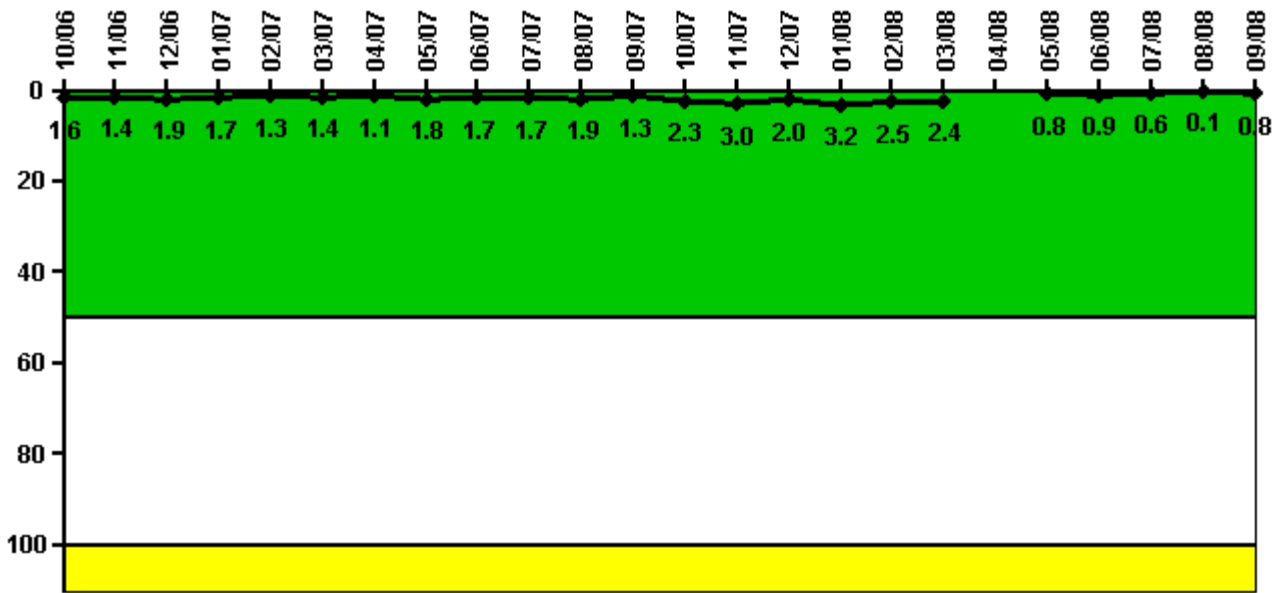
Notes

Reactor Coolant System Activity	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity	N/A	0.000076	0.000103	0.000078	0.000082	0.000085	0.000096	0.000094	0.000097	0.000098	0.000103	0.000107
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	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum activity	0.000105	0.000111	0.000112	0.000114	0.000121	0.000122	N/A	0.000021	0.000093	0.000099	0.000115	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	N/A	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



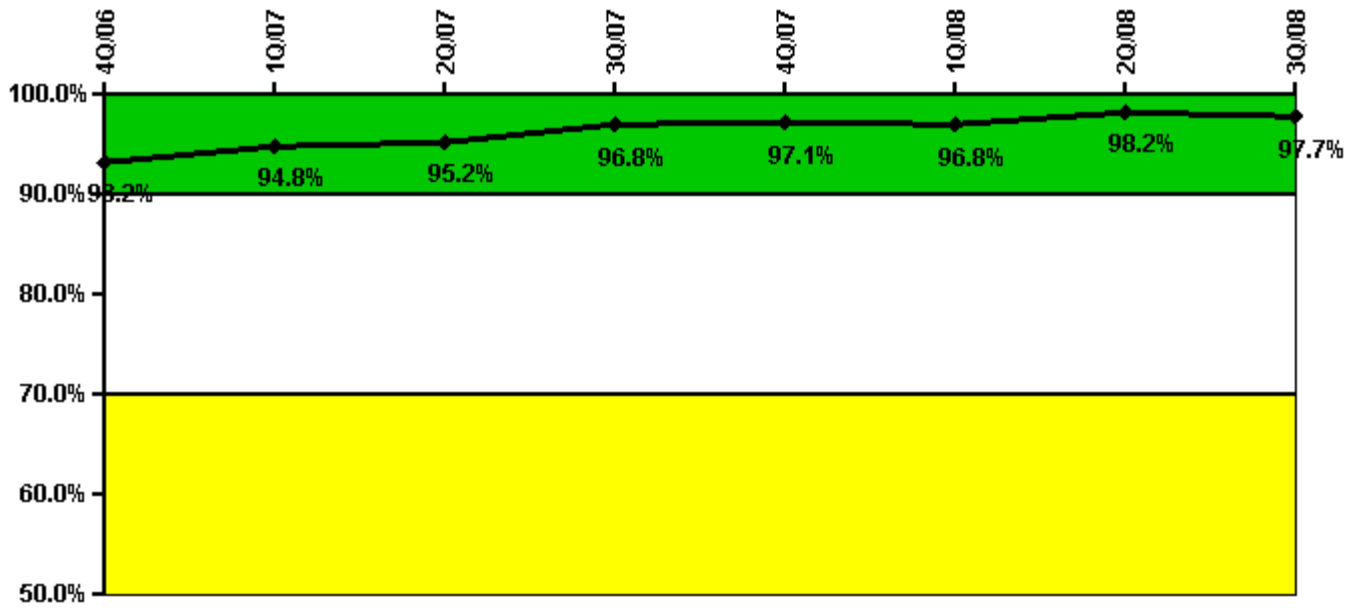
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	0.157	0.137	0.191	0.171	0.125	0.137	0.114	0.180	0.171	0.166	0.187	0.134
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	1.4	1.9	1.7	1.3	1.4	1.1	1.8	1.7	1.7	1.9	1.3
Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0.231	0.295	0.198	0.316	0.250	0.239	N/A	0.076	0.085	0.059	0.008	0.084
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	2.3	3.0	2.0	3.2	2.5	2.4	N/A	0.8	0.9	0.6	0.1	0.8

Licensee Comments: none

Drill/Exercise Performance



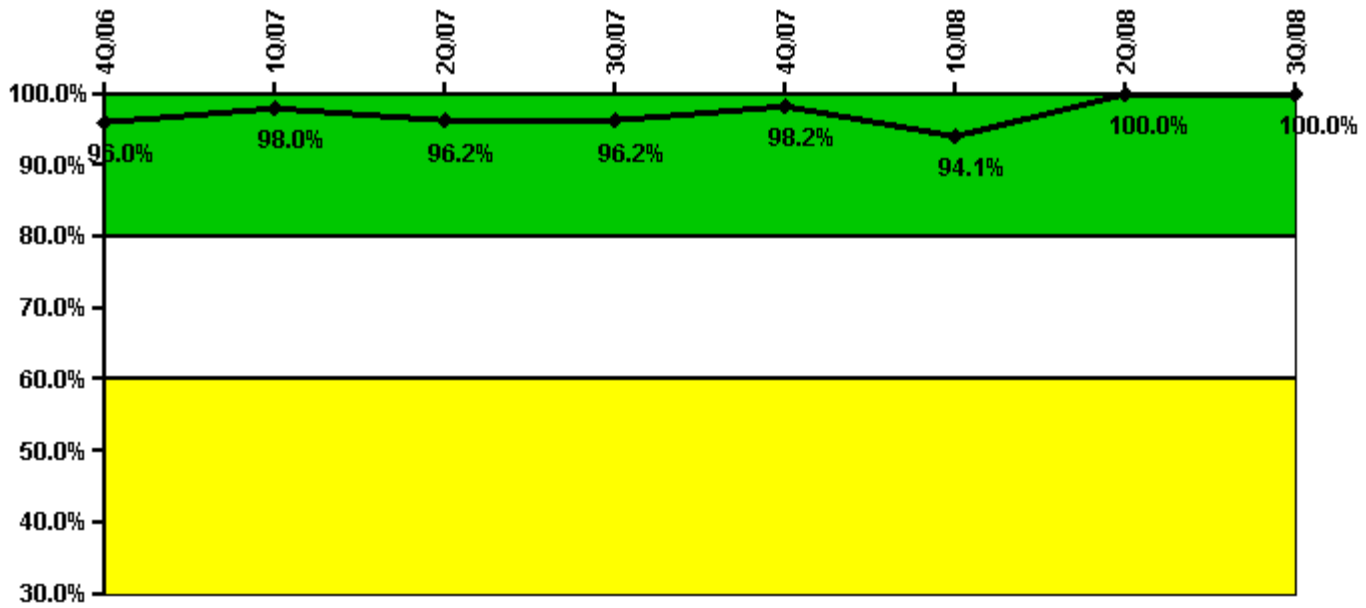
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	23.0	117.0	35.0	53.0	15.0	32.0	44.0	16.0
Total opportunities	24.0	118.0	36.0	54.0	16.0	33.0	44.0	18.0
Indicator value	93.2%	94.8%	95.2%	96.8%	97.1%	96.8%	98.2%	97.7%

Licensee Comments: none

ERO Drill Participation



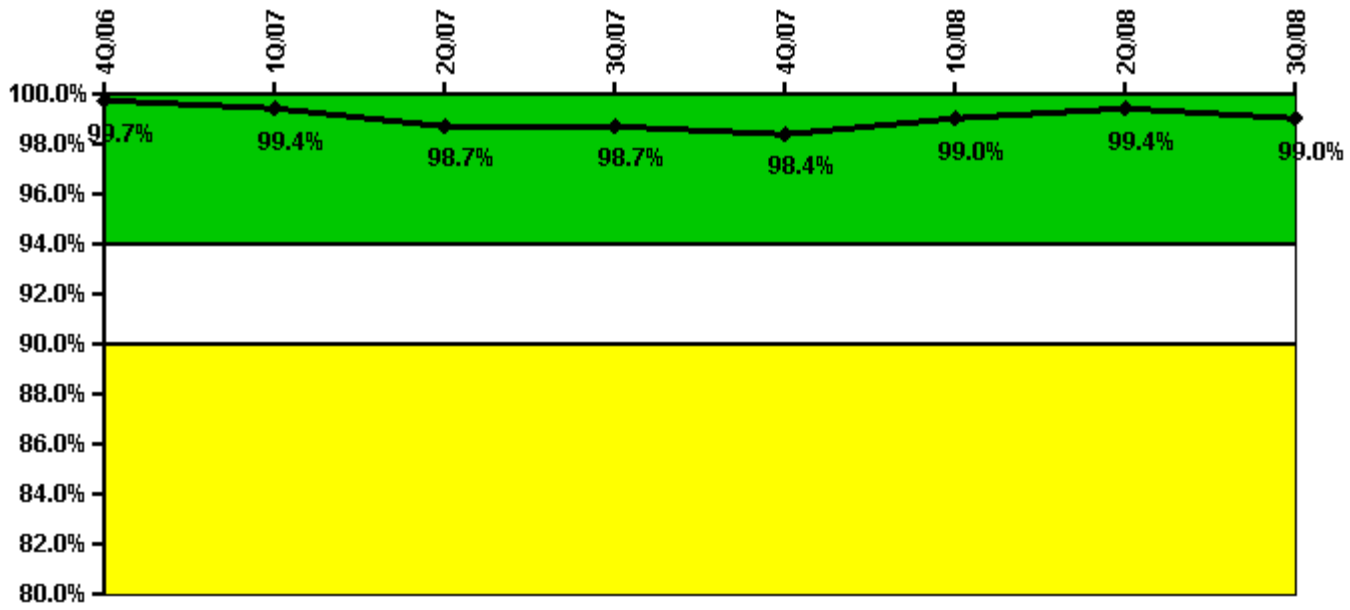
Thresholds: White < 80.0% Yellow < 60.0%

Notes

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

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

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

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/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	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/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.

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

Last Modified: November 26, 2008