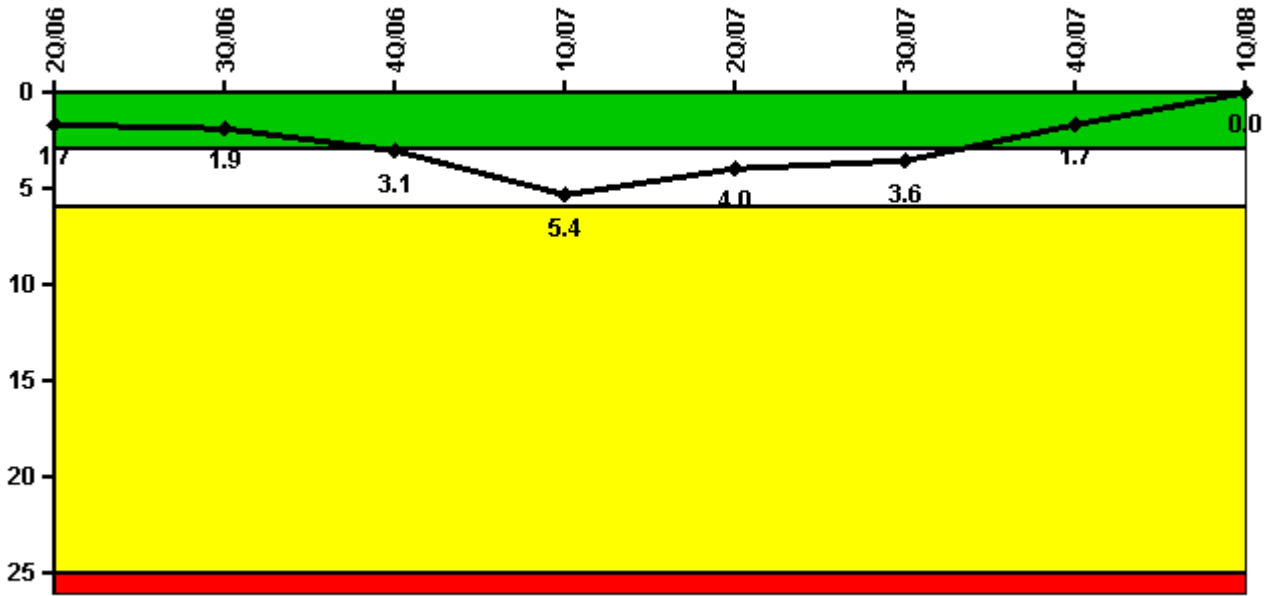


Kewaunee

1Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



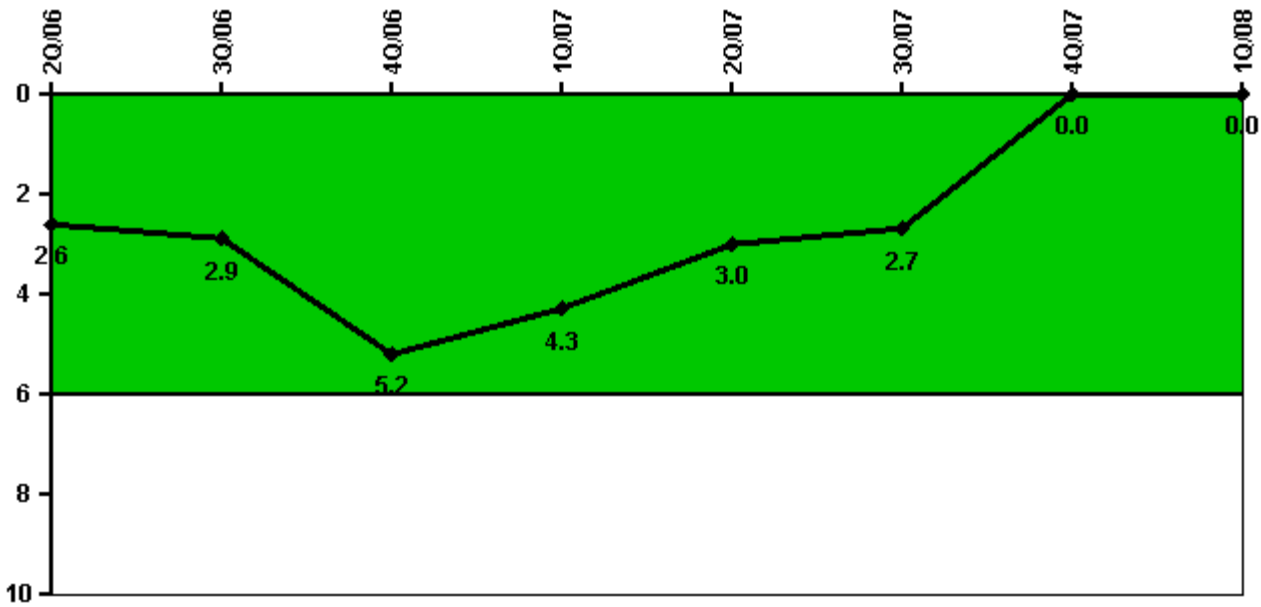
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	2.0	2.0	0	0	0	0
Critical hours	1575.9	1512.7	1505.1	1870.0	2184.0	2208.0	2025.3	2111.9
Indicator value	1.7	1.9	3.1	5.4	4.0	3.6	1.7	0

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	1.0	0	3.0	0	0	0	0	0
Critical hours	1575.9	1512.7	1505.1	1870.0	2184.0	2208.0	2025.3	2111.9
Indicator value	2.6	2.9	5.2	4.3	3.0	2.7	0	0

Licensee Comments: none

Unplanned Scrams with Complications



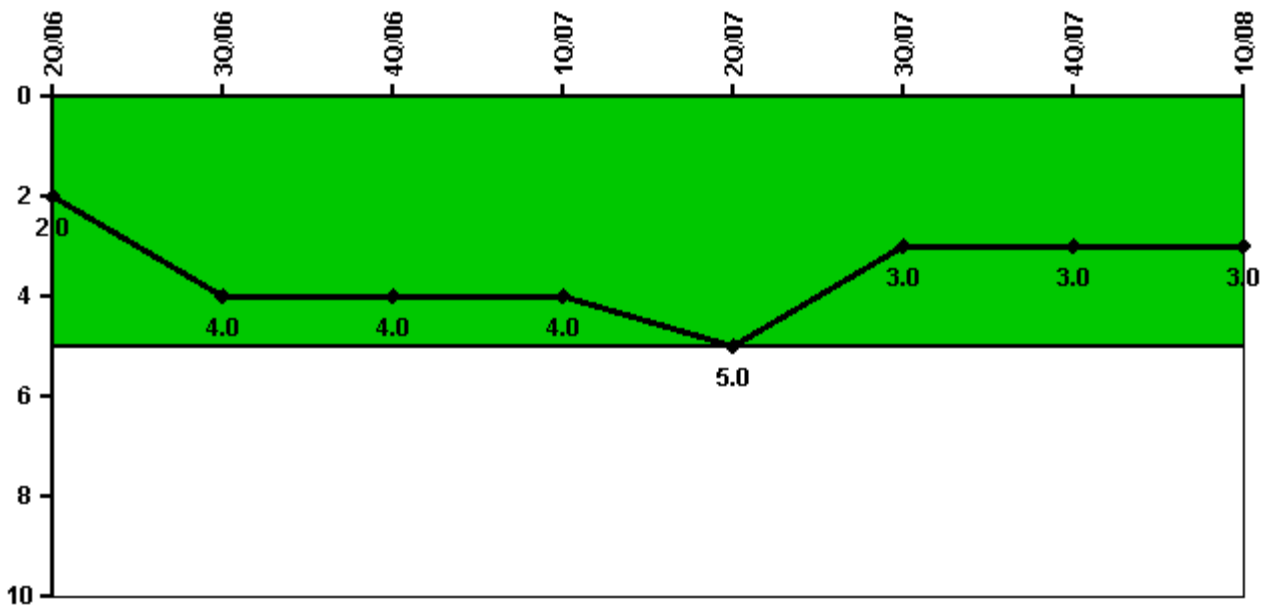
Thresholds: White > 1.0

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)



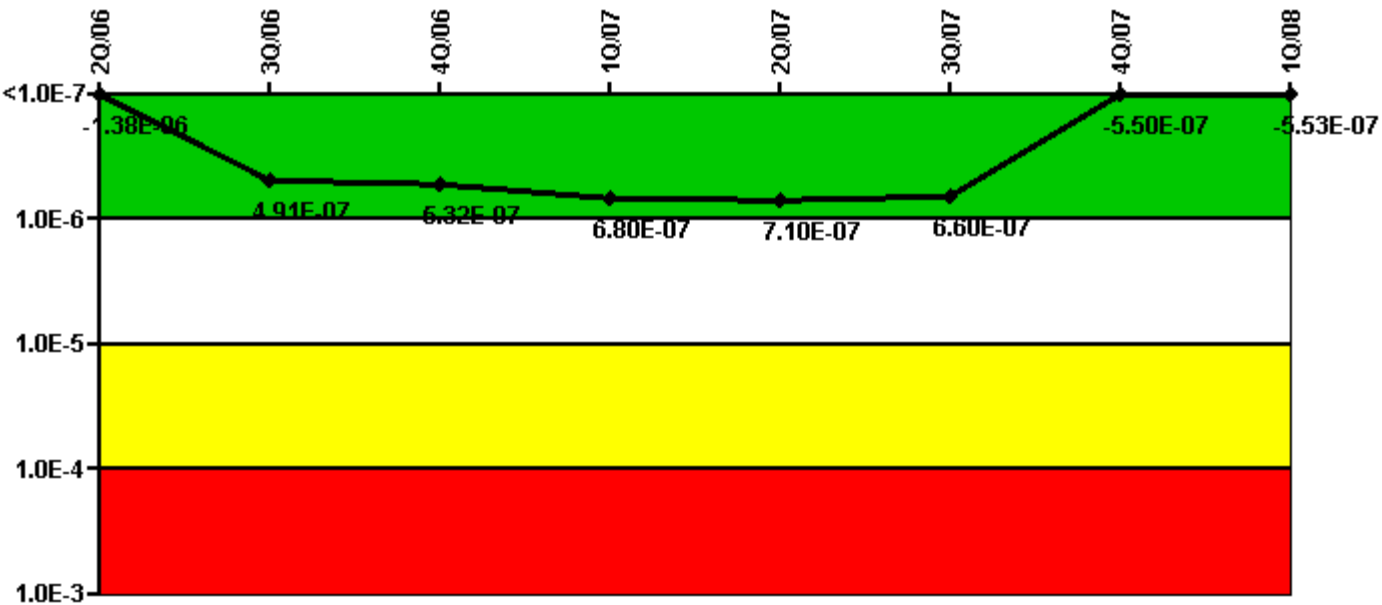
Thresholds: White > 5.0

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	1	2	1	0	2	0	1	0
Indicator value	2	4	4	4	5	3	3	3

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

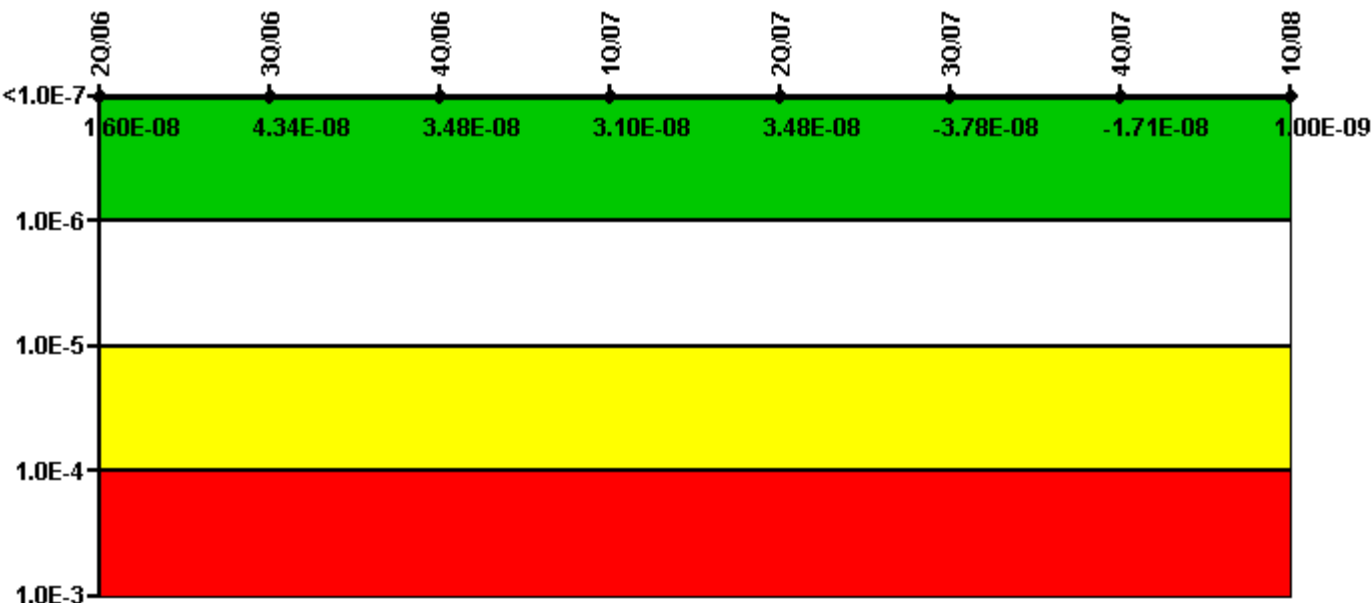
Notes

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)	-8.00E-08	-3.90E-08	-8.30E-09	1.60E-07	1.90E-07	1.40E-07	8.00E-08	8.70E-08
URI (Δ CDF)	-1.30E-06	5.30E-07	5.40E-07	5.20E-07	5.20E-07	5.20E-07	-6.30E-07	-6.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.38E-06	4.91E-07	5.32E-07	6.80E-07	7.10E-07	6.60E-07	-5.50E-07	-5.53E-07

Licensee Comments:

1Q/08: Risk Cap Invoked. Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

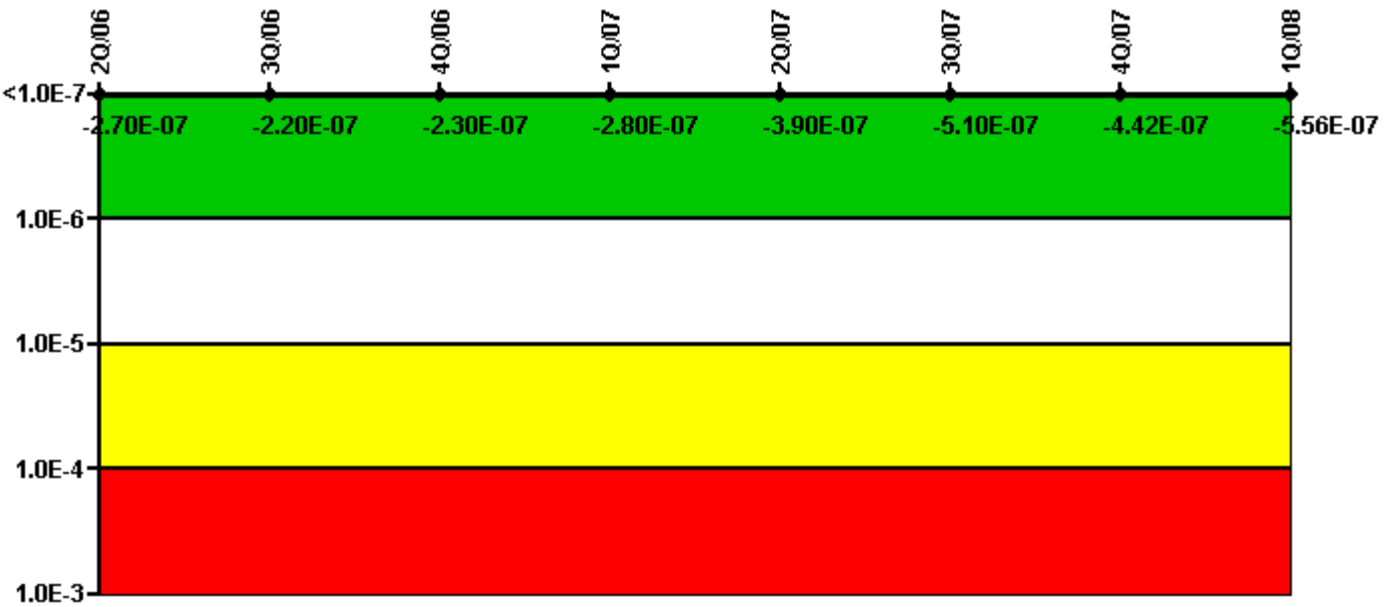
Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-5.00E-09	-5.60E-09	-6.20E-09	-1.00E-08	-6.20E-09	-2.80E-09	2.90E-09	2.30E-08
URI (Δ CDF)	2.10E-08	4.90E-08	4.10E-08	4.10E-08	4.10E-08	-3.50E-08	-2.00E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.60E-08	4.34E-08	3.48E-08	3.10E-08	3.48E-08	-3.78E-08	-1.71E-08	1.00E-09

Licensee Comments:

1Q/08: Changed PRA Parameter(s).

4Q/07: The PRA coefficients for all functions and devices have been updated for the Fourth Quarter 2007 to reflect revised PRA model K107A. The effective date of PRA revision is August 29, 2007. The PRA change did not result in any MSPI values exceeding the Green/White threshold.

Mitigating Systems Performance Index, Heat Removal System



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

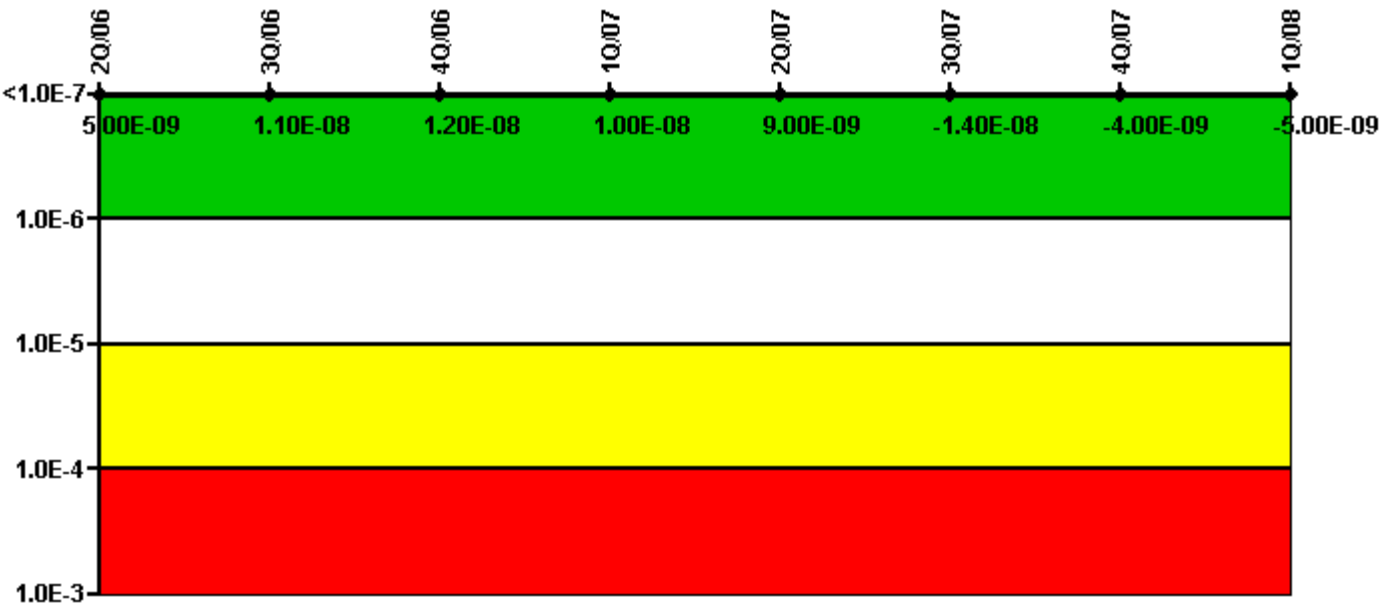
Notes

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)	2.30E-07	2.10E-07	2.20E-07	2.00E-07	1.00E-07	4.00E-08	1.80E-08	-7.60E-08
URI (Δ CDF)	-5.00E-07	-4.30E-07	-4.50E-07	-4.80E-07	-4.90E-07	-5.50E-07	-4.60E-07	-4.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.70E-07	-2.20E-07	-2.30E-07	-2.80E-07	-3.90E-07	-5.10E-07	-4.42E-07	-5.56E-07

Licensee Comments:

1Q/08: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System



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

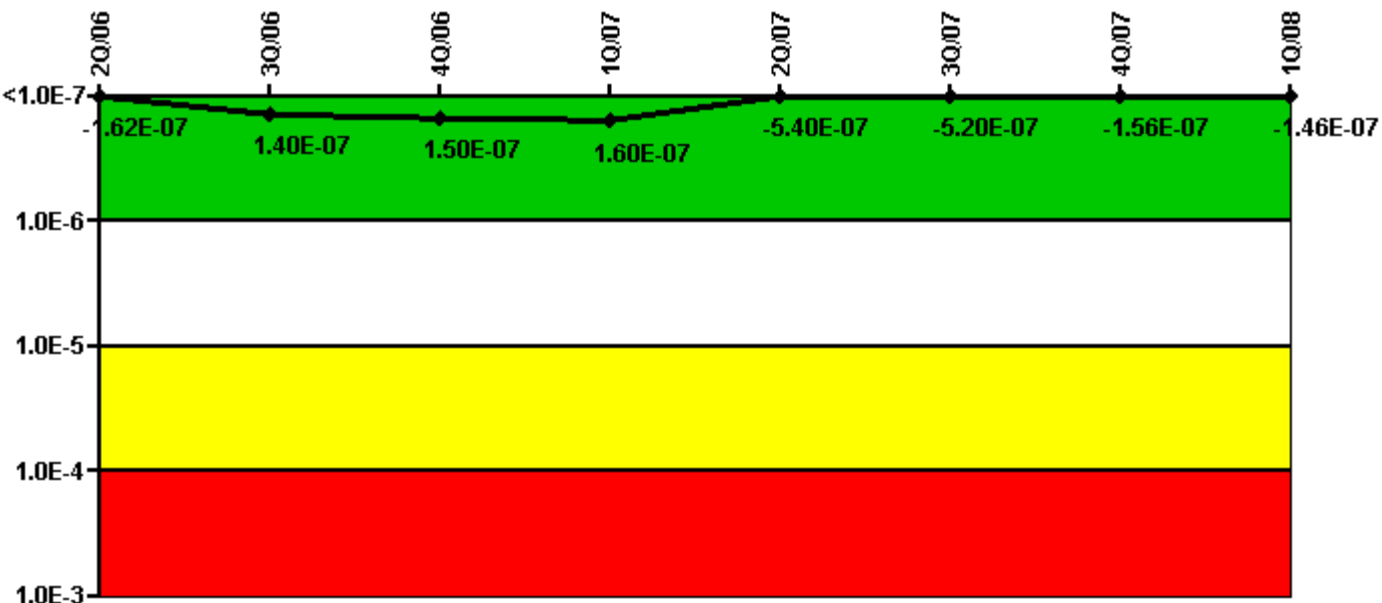
Notes

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)	2.90E-08	5.90E-08	6.40E-08	6.10E-08	6.00E-08	3.60E-08	3.10E-08	2.90E-08
URI (Δ CDF)	-2.40E-08	-4.80E-08	-5.20E-08	-5.10E-08	-5.10E-08	-5.00E-08	-3.50E-08	-3.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.00E-09	1.10E-08	1.20E-08	1.00E-08	9.00E-09	-1.40E-08	-4.00E-09	-5.00E-09

Licensee Comments:

1Q/08: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

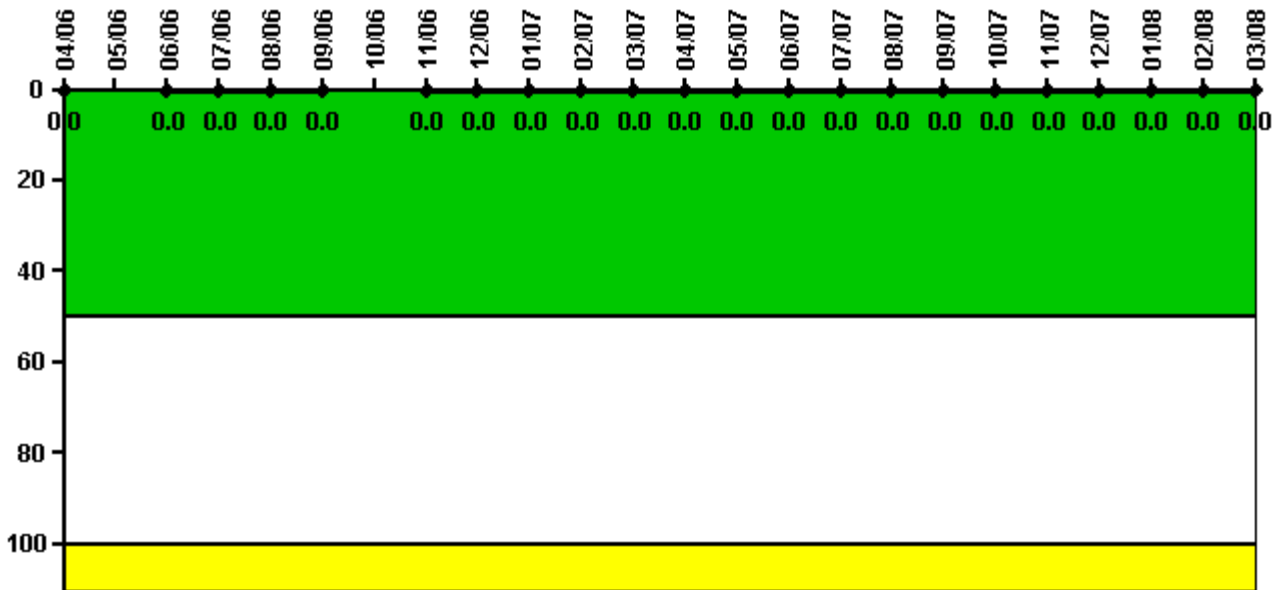
Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-7.70E-08	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.30E-07	-1.10E-07	-1.00E-07
URI (Δ CDF)	-8.50E-08	2.80E-07	2.90E-07	3.00E-07	-4.00E-07	-3.90E-07	-4.60E-08	-4.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.62E-07	1.40E-07	1.50E-07	1.60E-07	-5.40E-07	-5.20E-07	-1.56E-07	-1.46E-07

Licensee Comments:

1Q/08: Changed PRA Parameter(s).

4Q/07: The PRA coefficients for all functions and devices have been updated for the Fourth Quarter 2007 to reflect revised PRA model K107A. The effective date of PRA revision is August 29, 2007. The PRA change did not result in any MSPI values exceeding the Green/White threshold. The PRA revision resulted in the addition of two monitored components to the Cooling Water System due to their Birnbaum importance is now greater than 1E-06. The MSPI value for the Cooling Water System reflects the addition of these two components. The new components are turbine building service water isolation valves SW-4A and SW-4B.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

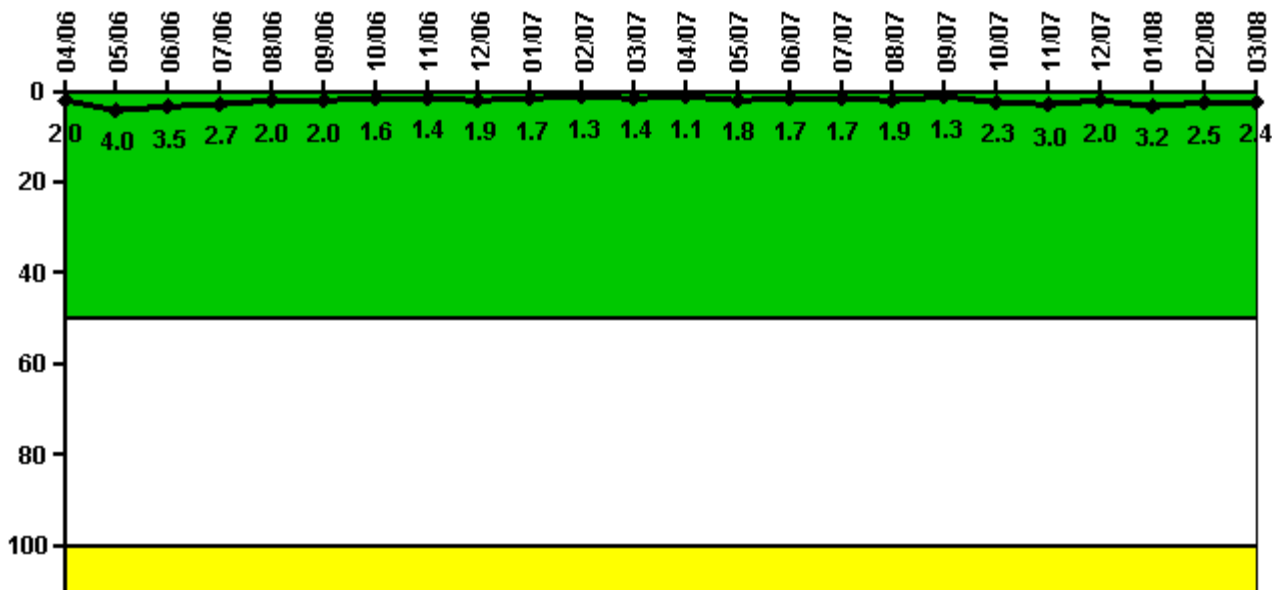
Notes

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	0.000116	N/A	0.000127	0.000125	0.000197	0.000139	N/A	0.000076	0.000103	0.000078	0.000082	0.000085
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	N/A	0	0	0	0	N/A	0	0	0	0	0

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	0.000096	0.000094	0.000097	0.000098	0.000103	0.000107	0.000105	0.000111	0.000112	0.000114	0.000121	0.000122
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



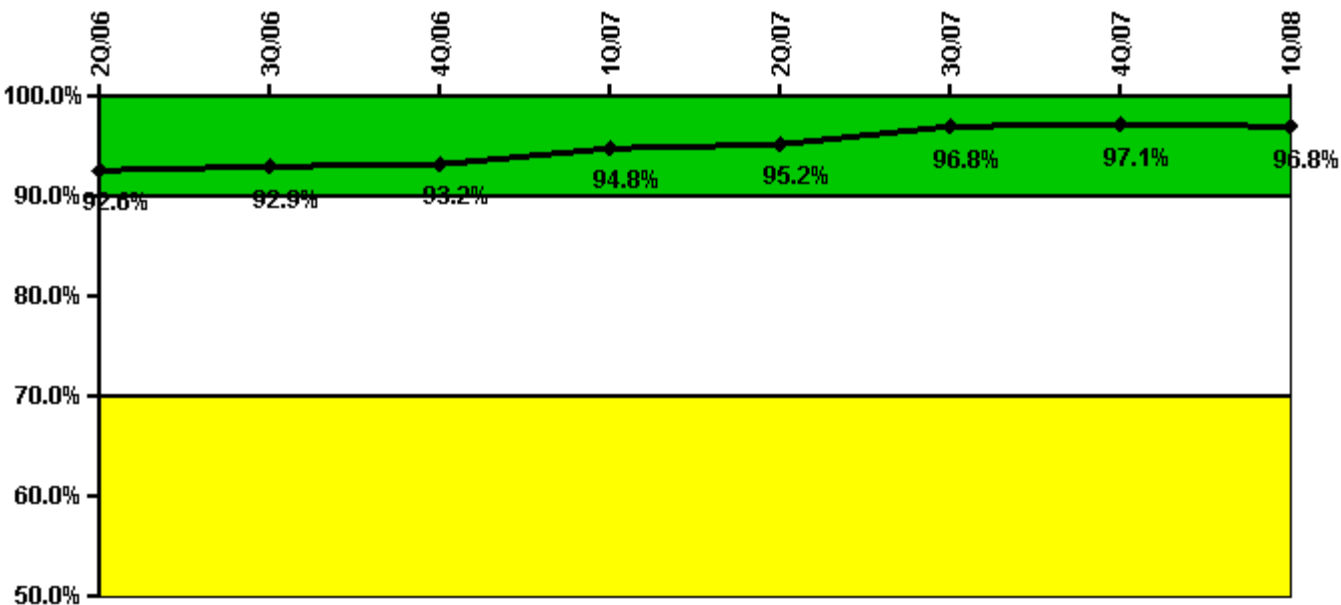
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0.197	0.404	0.345	0.268	0.200	0.200	0.157	0.137	0.191	0.171	0.125	0.137
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	2.0	4.0	3.5	2.7	2.0	2.0	1.6	1.4	1.9	1.7	1.3	1.4
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	0.114	0.180	0.171	0.166	0.187	0.134	0.231	0.295	0.198	0.316	0.250	0.239
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	1.1	1.8	1.7	1.7	1.9	1.3	2.3	3.0	2.0	3.2	2.5	2.4

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

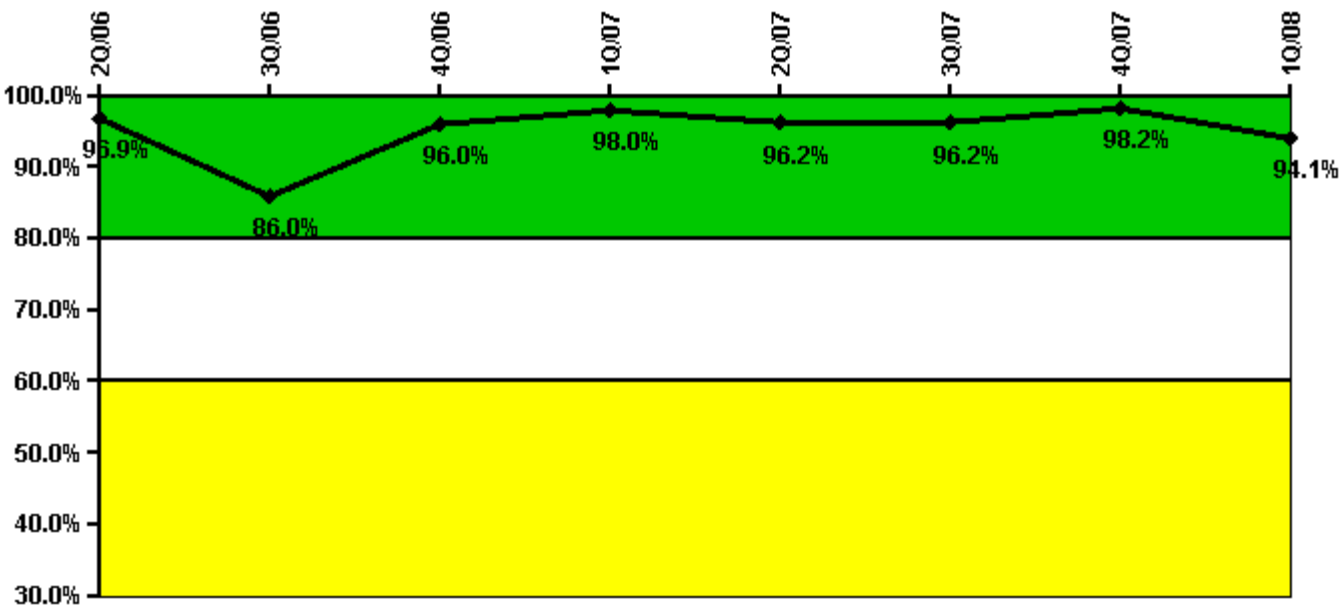
Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	23.0	6.0	23.0	117.0	35.0	53.0	15.0	32.0
Total opportunities	27.0	6.0	24.0	118.0	36.0	54.0	16.0	33.0
Indicator value	92.6%	92.9%	93.2%	94.8%	95.2%	96.8%	97.1%	96.8%

Licensee Comments:

2Q/07: DEP changed from 12 of 13 to 13 of 14 on March 3, 2008. Opportunities were miscounted in June of 2007. Identified by NRC during annual Performance Indicator inspection. Reference Kewaunee corrective action CR026425.

ERO Drill Participation



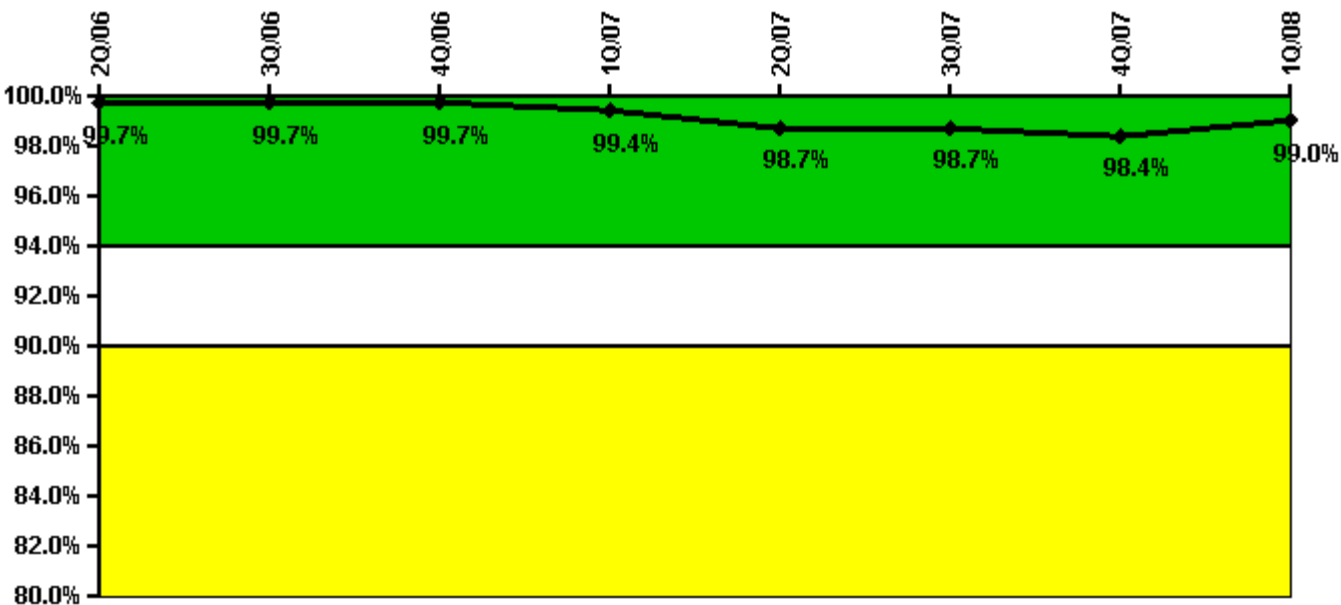
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	62.0	43.0	48.0	50.0	50.0	51.0	54.0	48.0
Total Key personnel	64.0	50.0	50.0	51.0	52.0	53.0	55.0	51.0
Indicator value	96.9%	86.0%	96.0%	98.0%	96.2%	96.2%	98.2%	94.1%

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	78	78	78	76	76	78	77	78
Total sirens-tests	78	78	78	78	78	78	78	78
Indicator value	99.7%	99.7%	99.7%	99.4%	98.7%	98.7%	98.4%	99.0%

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