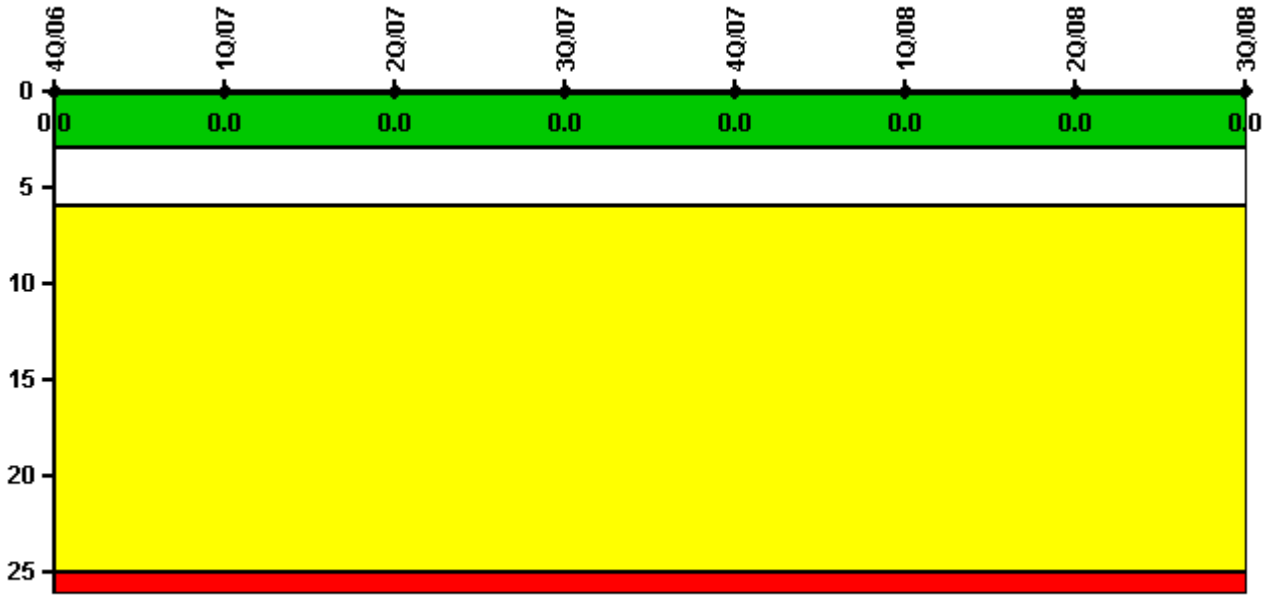


Susquehanna 2

3Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



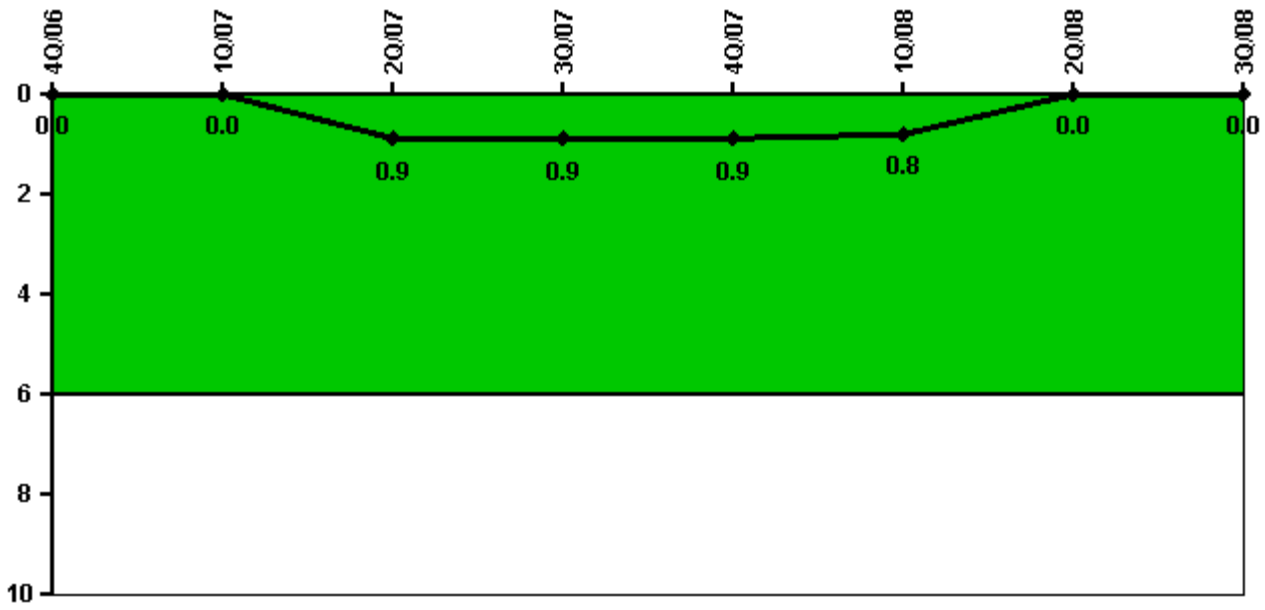
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	0	0	0
Critical hours	1832.0	1471.7	1922.1	2208.0	2209.0	2183.0	2184.0	2208.0
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	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	1832.0	1471.7	1922.1	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	0	0	0.9	0.9	0.9	0.8	0	0

Licensee Comments: none

Unplanned Scrams with Complications



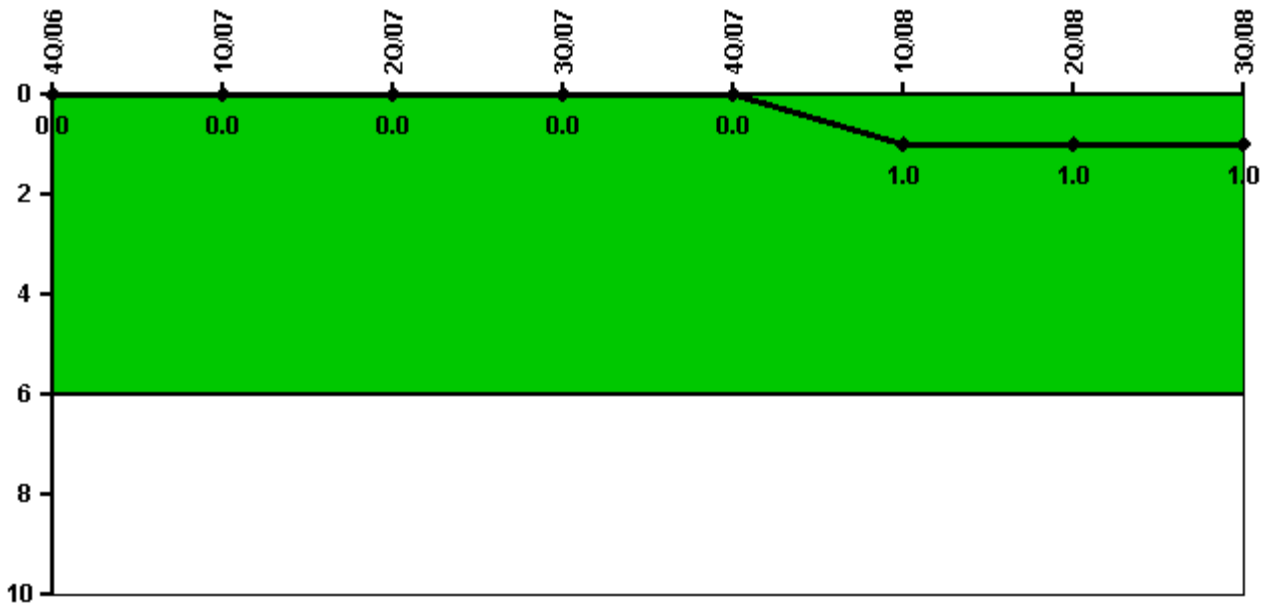
Thresholds: White > 1.0

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 (BWR)



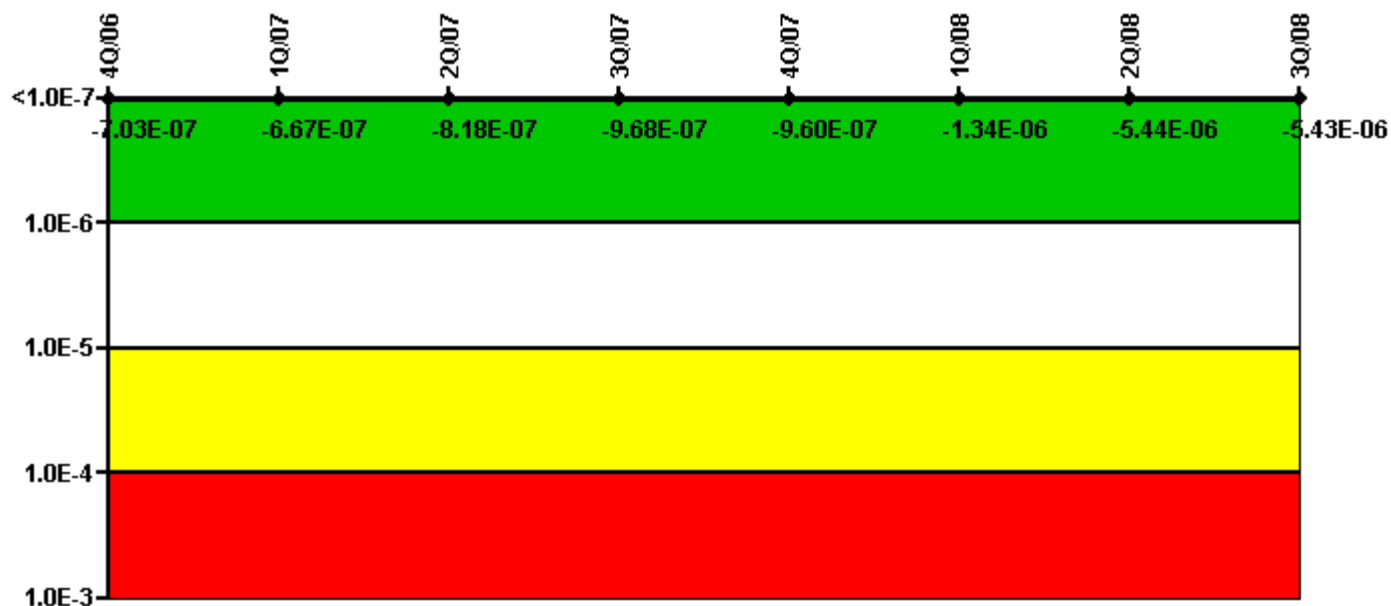
Thresholds: White > 6.0

Notes

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

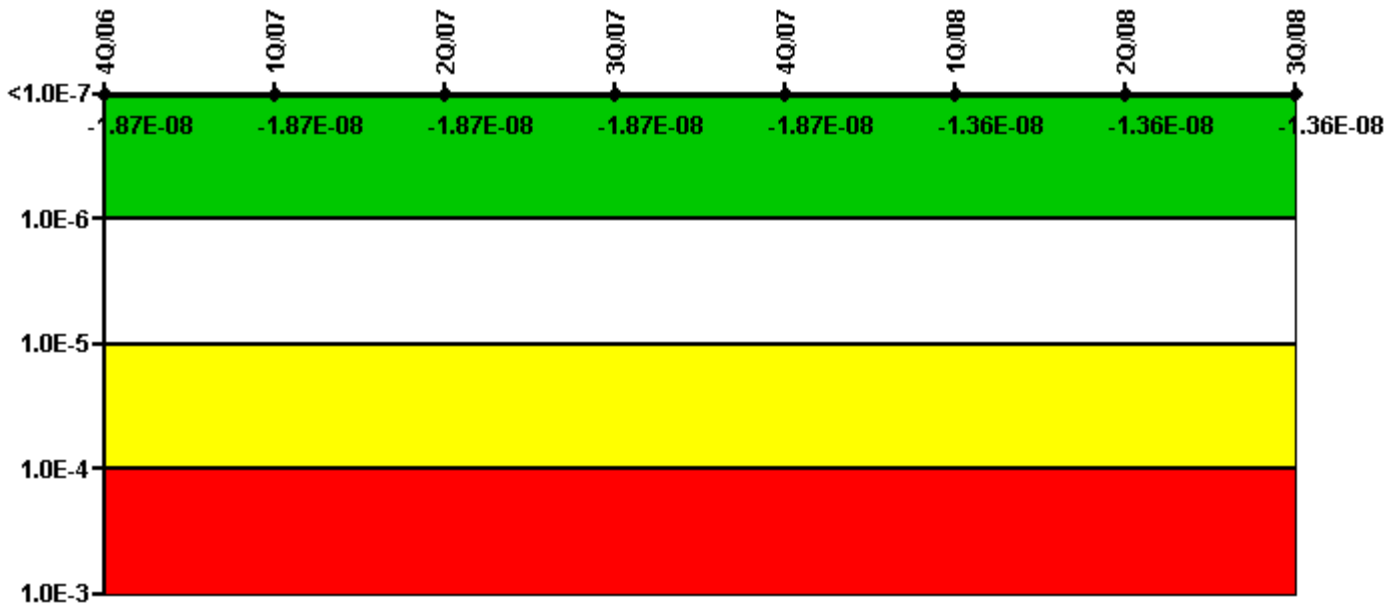
Mitigating Systems Performance Index, Emergency AC Power System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	-2.30E-08	-2.70E-08	-2.80E-08	-2.80E-08	-3.00E-08	-3.70E-08	-3.50E-08	-2.90E-08
URI (Δ CDF)	-6.80E-07	-6.40E-07	-7.90E-07	-9.40E-07	-9.30E-07	-1.30E-06	-5.40E-06	-5.40E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.03E-07	-6.67E-07	-8.18E-07	-9.68E-07	-9.60E-07	-1.34E-06	-5.44E-06	-5.43E-06

Licensee Comments:

1Q/08: PRA parameters have been changed based on Revision 4 of the MSPI Basis Document. There is no safety significance associated with these changes. There are no changes to the color of the current PI nor the previously reported color of this PI.

1Q/07: Unit 2 first quarter 2007 Emergency AC Power System data is based on a minor revision to the Mitigating Systems Performance Index (MSPI) Basis Document following an NRC inspection in late October 2006. There is no safety significance associated with this change and there is no effect on the color of the current Performance Indicator nor the previously reported color of this PI.

Mitigating Systems Performance Index, High Pressure Injection System



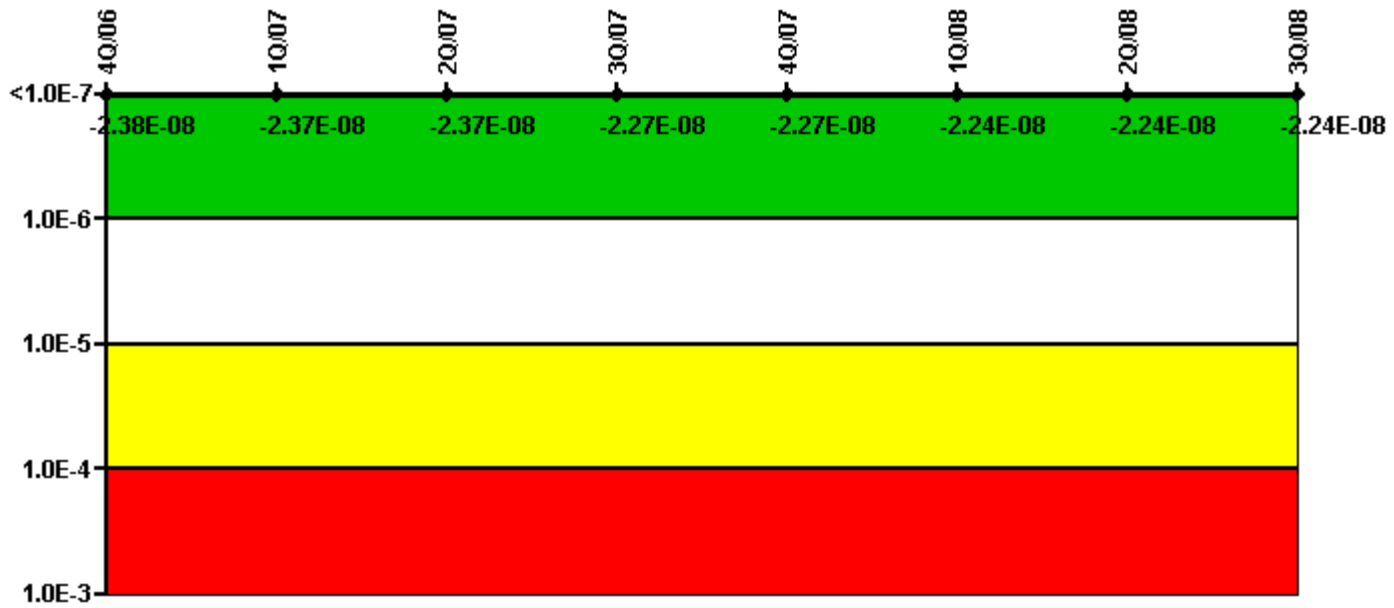
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-5.10E-09	-5.10E-09	-5.10E-09
URI (Δ CDF)	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-8.50E-09	-8.50E-09	-8.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08	-1.87E-08	-1.36E-08	-1.36E-08	-1.36E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



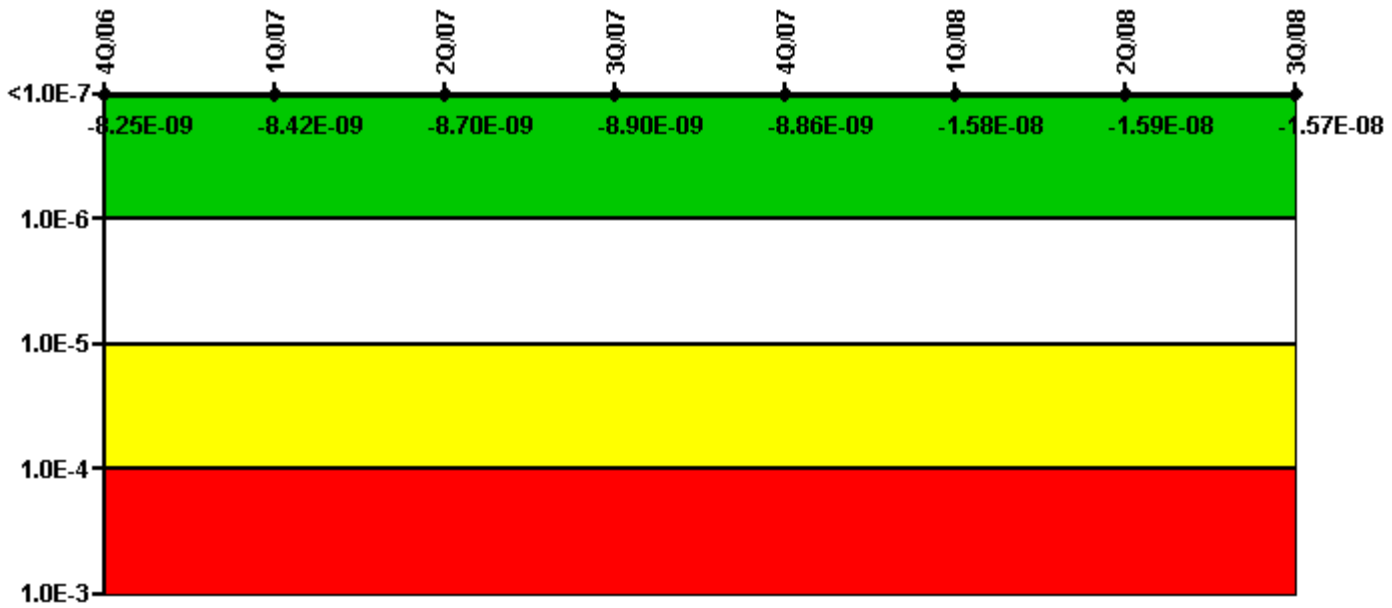
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	-4.80E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-7.40E-09	-7.40E-09	-7.40E-09
URI (Δ CDF)	-1.90E-08	-1.90E-08	-1.90E-08	-1.80E-08	-1.80E-08	-1.50E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.38E-08	-2.37E-08	-2.37E-08	-2.27E-08	-2.27E-08	-2.24E-08	-2.24E-08	-2.24E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



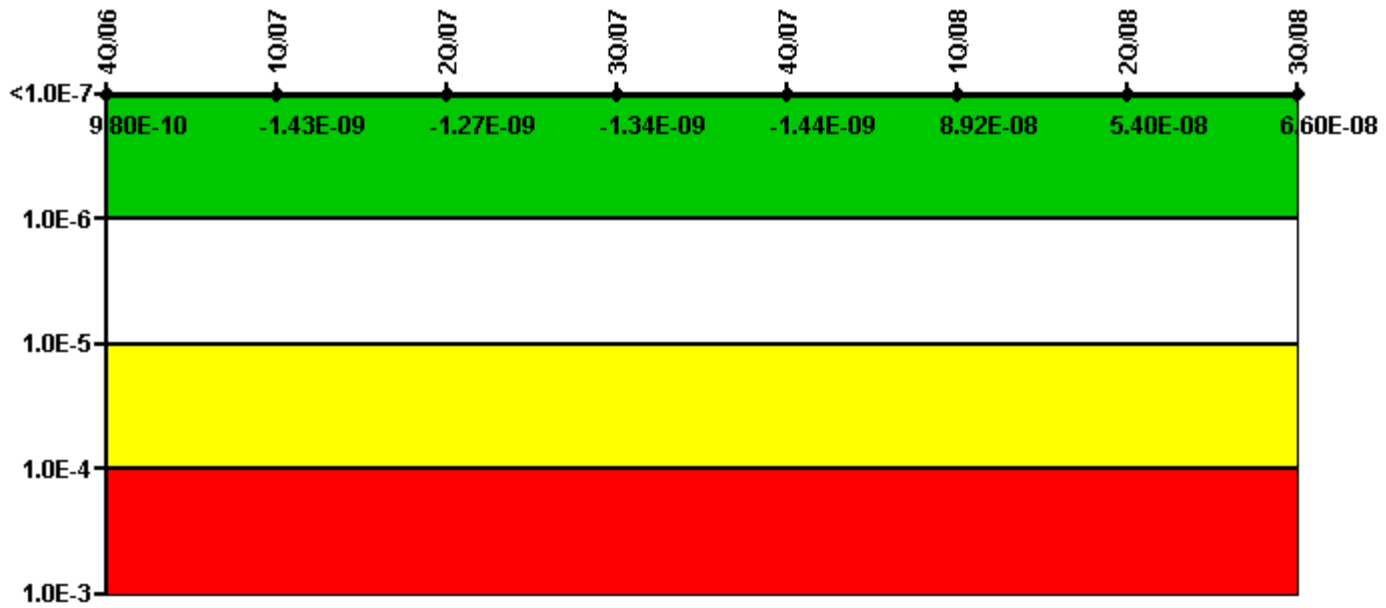
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	4.50E-10	4.80E-10	3.00E-10	2.00E-10	1.40E-10	-8.20E-10	-9.00E-10	-7.40E-10
URI (Δ CDF)	-8.70E-09	-8.90E-09	-9.00E-09	-9.10E-09	-9.00E-09	-1.50E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.25E-09	-8.42E-09	-8.70E-09	-8.90E-09	-8.86E-09	-1.58E-08	-1.59E-08	-1.57E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



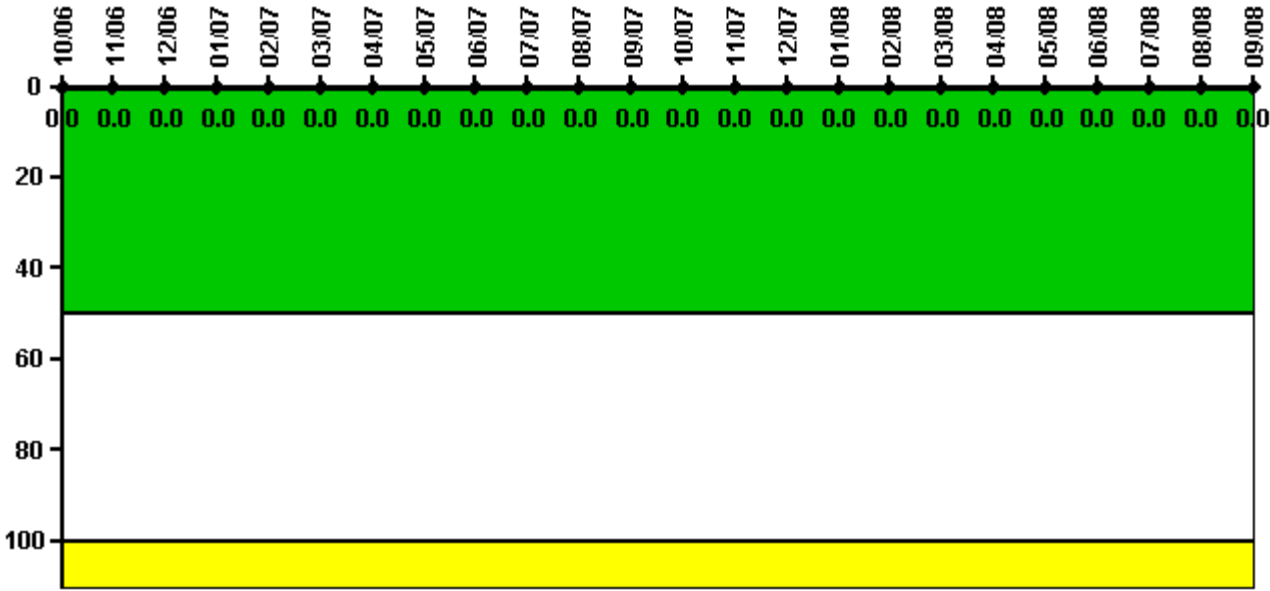
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	6.50E-10	6.70E-10	8.30E-10	8.60E-10	8.60E-10	9.50E-08	6.00E-08	8.00E-08
URI (Δ CDF)	3.30E-10	-2.10E-09	-2.10E-09	-2.20E-09	-2.30E-09	-5.80E-09	-6.00E-09	-1.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.80E-10	-1.43E-09	-1.27E-09	-1.34E-09	-1.44E-09	8.92E-08	5.40E-08	6.60E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

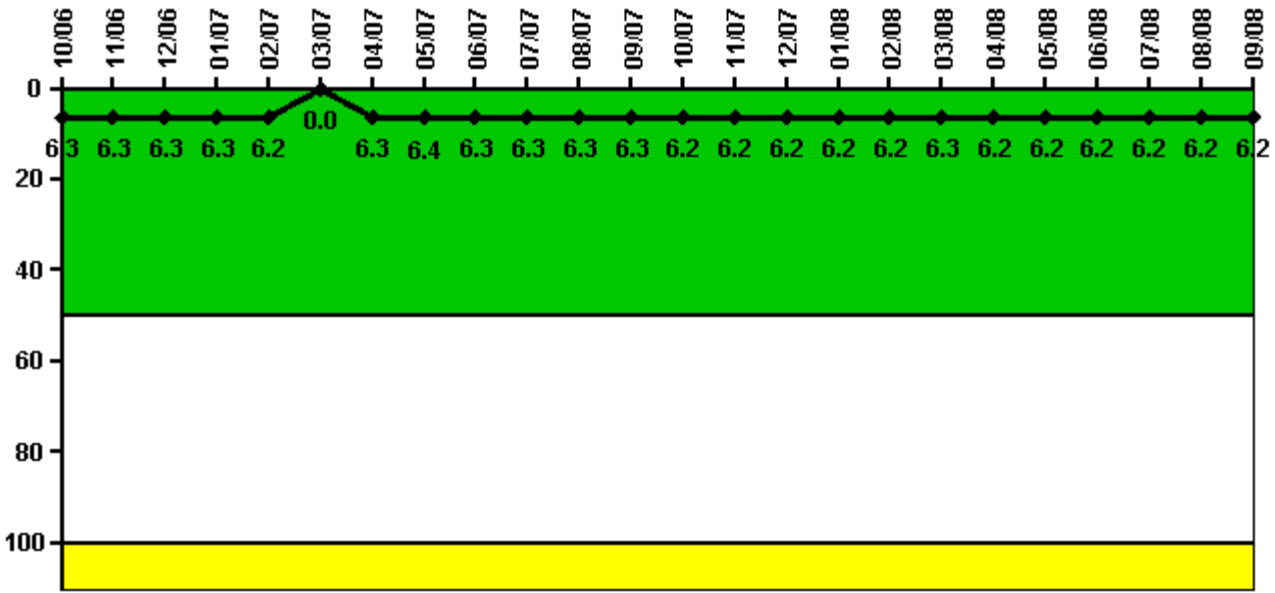
Notes

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	0.000006	0.000005	0.000005	0.000005	0.000005	0.000004	0.000001	0.000002	0.000002	0.000002	0.000002	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	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	0.000006	0.000007	0.000007	0.000007	0.000007	0.000007	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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

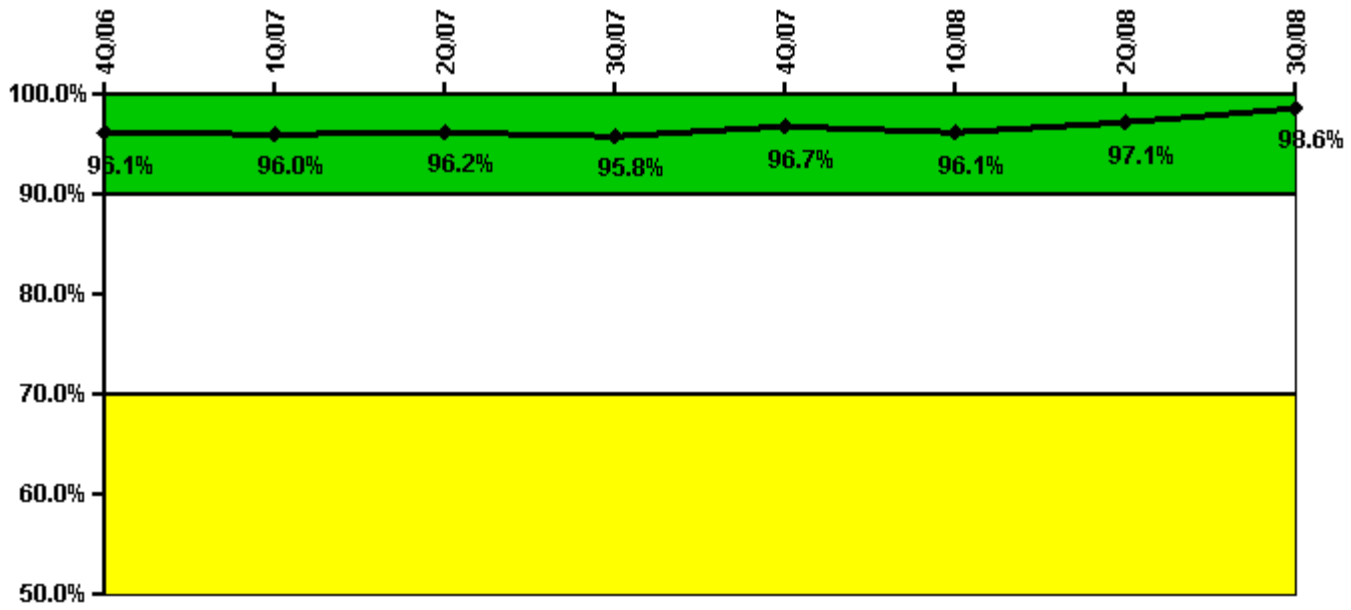
Notes

Reactor Coolant System Leakage	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	1.570	1.570	1.570	1.580	1.560	0	1.580	1.590	1.580	1.580	1.580	1.570
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.3	6.3	6.3	6.3	6.2	0	6.3	6.4	6.3	6.3	6.3	6.3

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	1.560	1.550	1.550	1.560	1.550	1.580	1.550	1.550	1.540	1.550	1.560	1.560
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.2	6.2	6.2	6.2	6.2	6.3	6.2	6.2	6.2	6.2	6.2	6.2

Licensee Comments: none

Drill/Exercise Performance



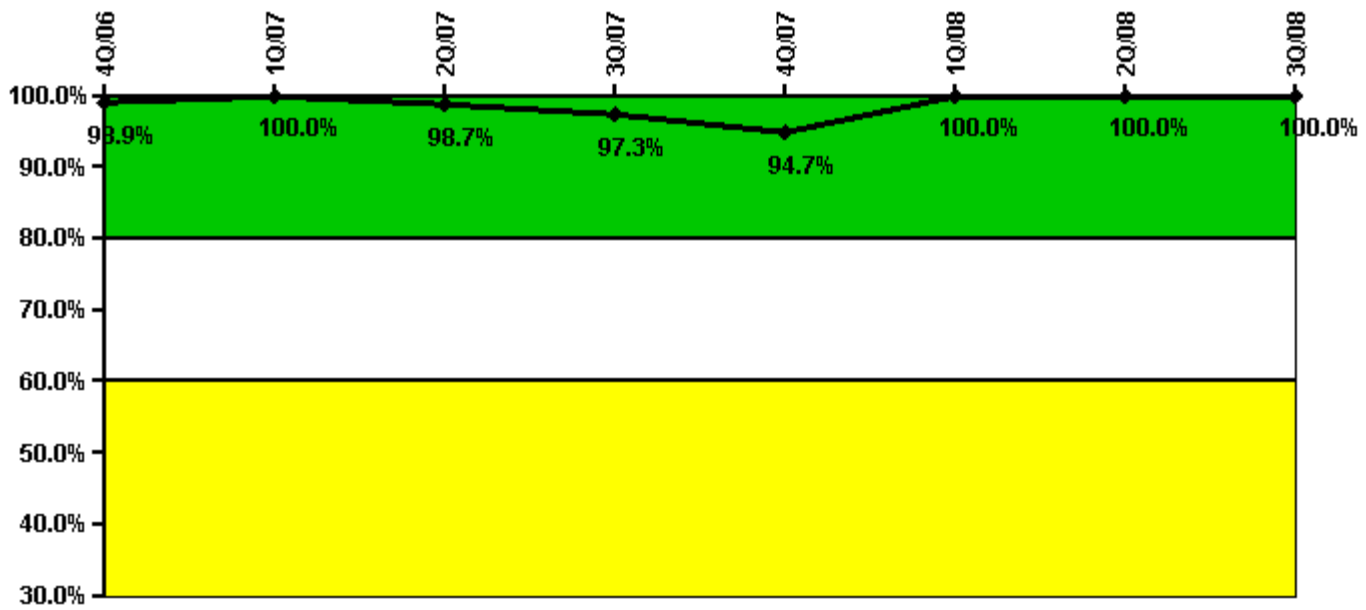
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	8.0	8.0	35.0	16.0	13.0	17.0	18.0	25.0
Total opportunities	8.0	8.0	36.0	16.0	13.0	18.0	18.0	25.0
Indicator value	96.1%	96.0%	96.2%	95.8%	96.7%	96.1%	97.1%	98.6%

Licensee Comments: none

ERO Drill Participation



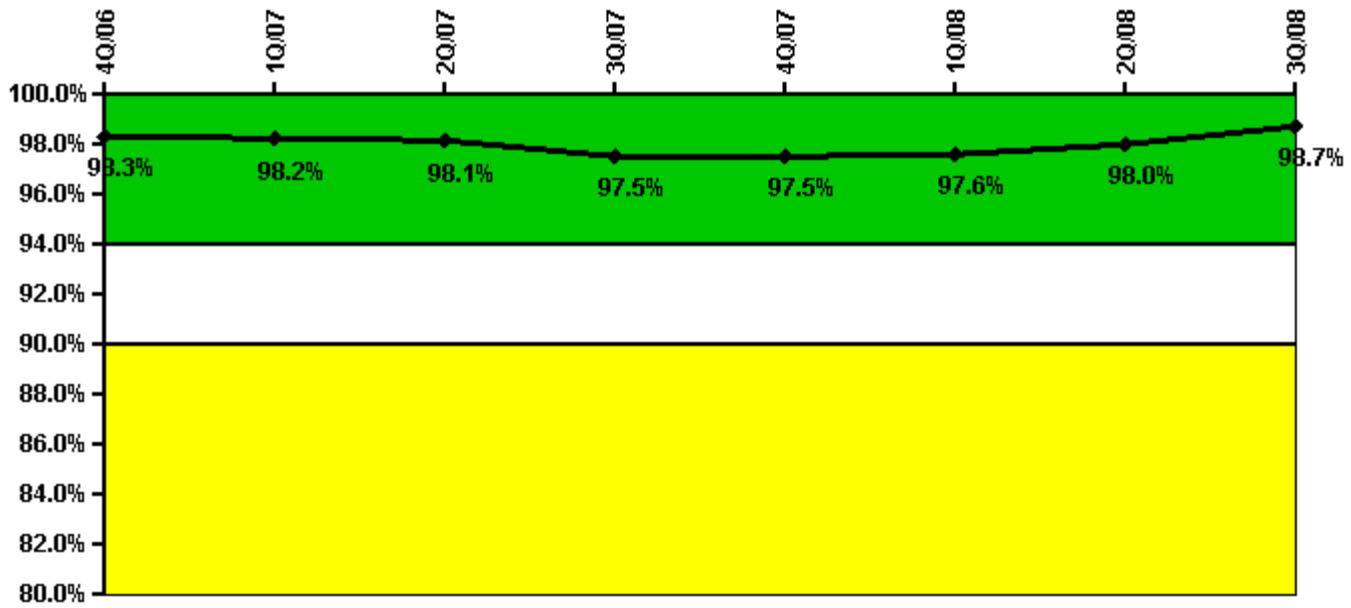
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	86.0	80.0	76.0	73.0	71.0	72.0	74.0	72.0
Total Key personnel	87.0	80.0	77.0	75.0	75.0	72.0	74.0	72.0
Indicator value	98.9%	100.0%	98.7%	97.3%	94.7%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



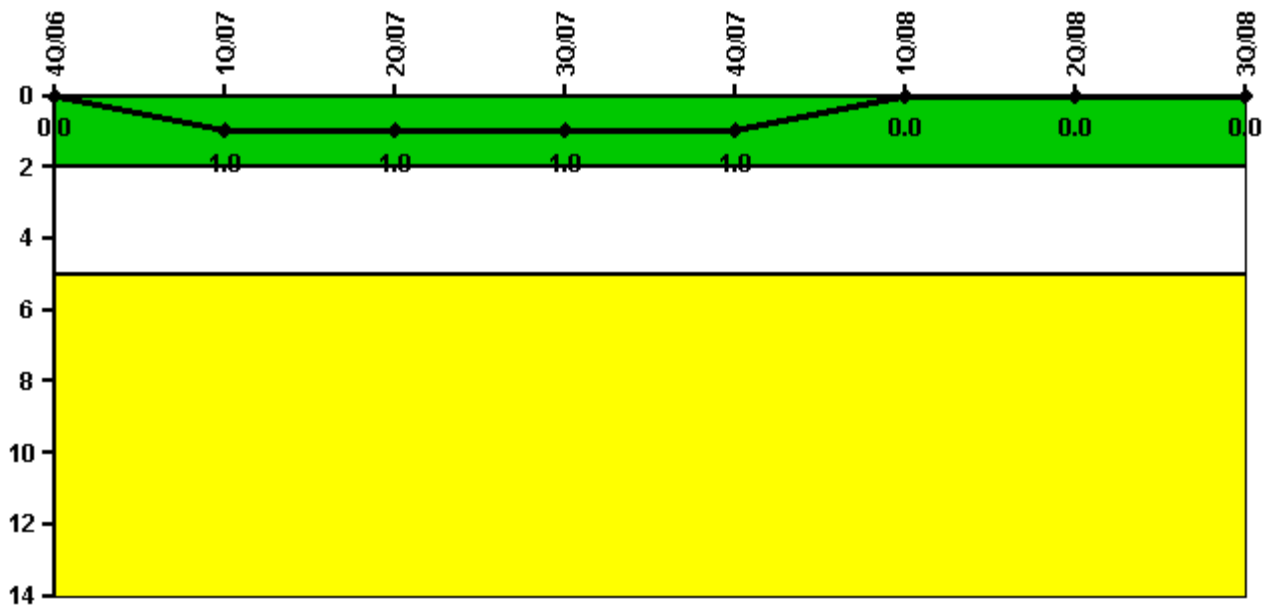
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	882	879	765	970	736	883	777	994
Total sirens-tests	896	896	784	1008	748	896	784	1008
Indicator value	98.3%	98.2%	98.1%	97.5%	97.5%	97.6%	98.0%	98.7%

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	1	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	1	1	1	1	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.