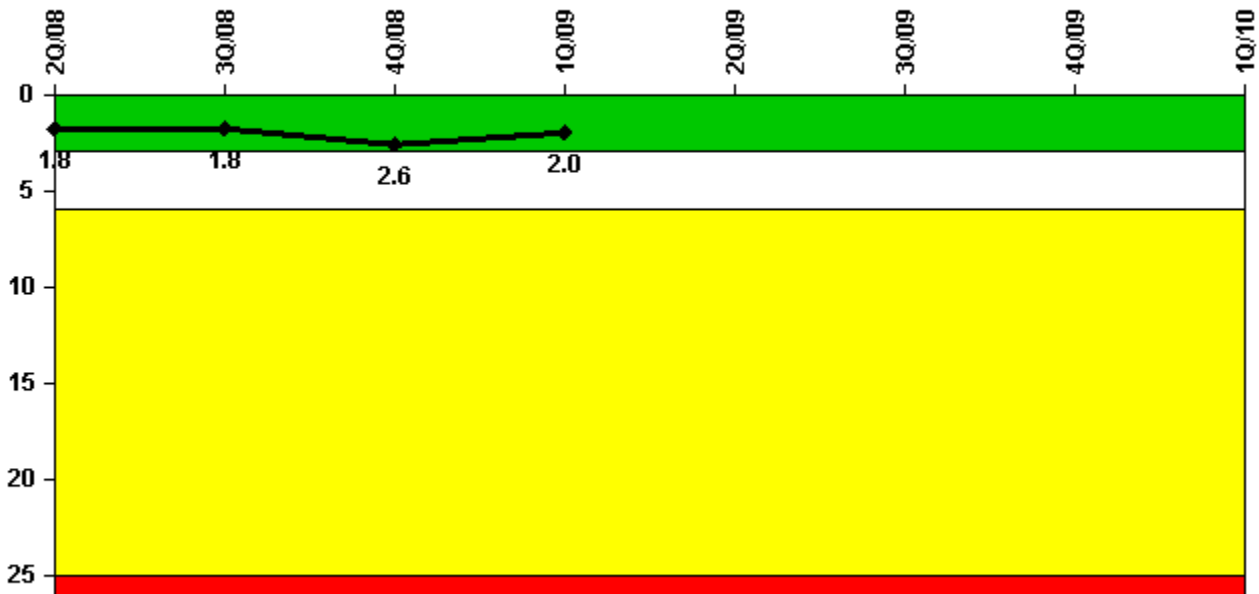


D.C. Cook 1

1Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

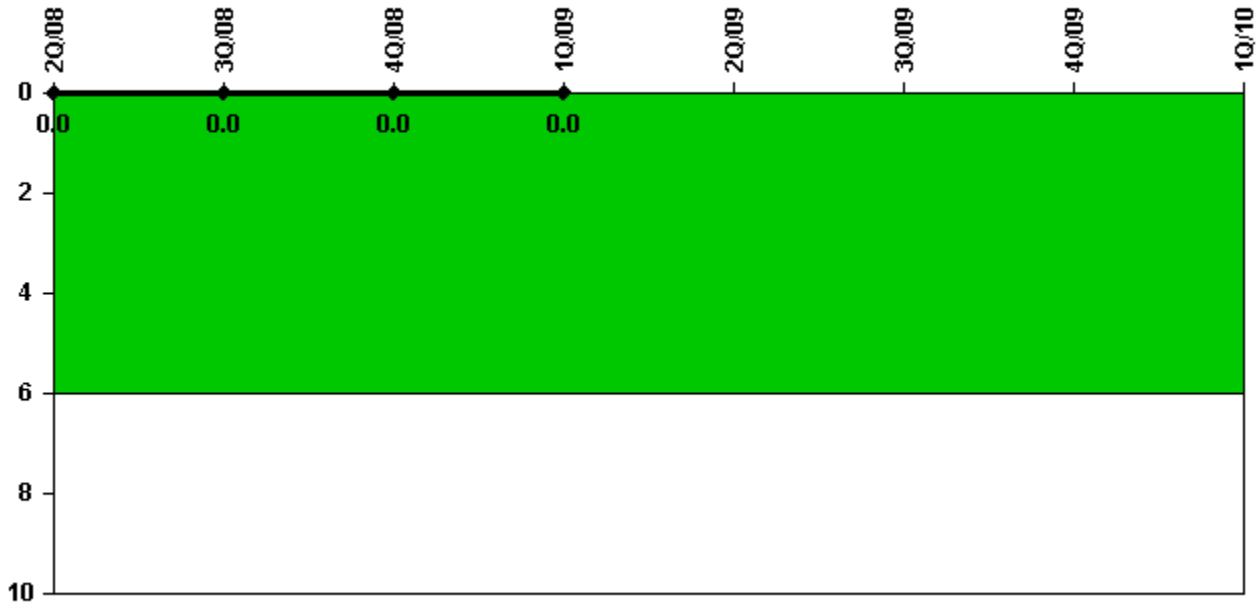
Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	1497.5	1964.1	0	0	0	0	335.1	1464.0
Indicator value	1.8	1.8	2.6	2.0	N/A	N/A	N/A	N/A

Licensee Comments:

1Q/10: Less than 2400 critical hours in previous 4 quarters due to extended forced outage. Outage ended in December 2009.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1497.5	1964.1	0	0	0	0	335.1	1464.0
Indicator value	0	0	0	0	N/A	N/A	N/A	N/A

Licensee Comments:

1Q/10: Less than 2400 critical hours in previous 4 quarters due to extended forced outage. Outage ended in December 2009.

Unplanned Scrams with Complications



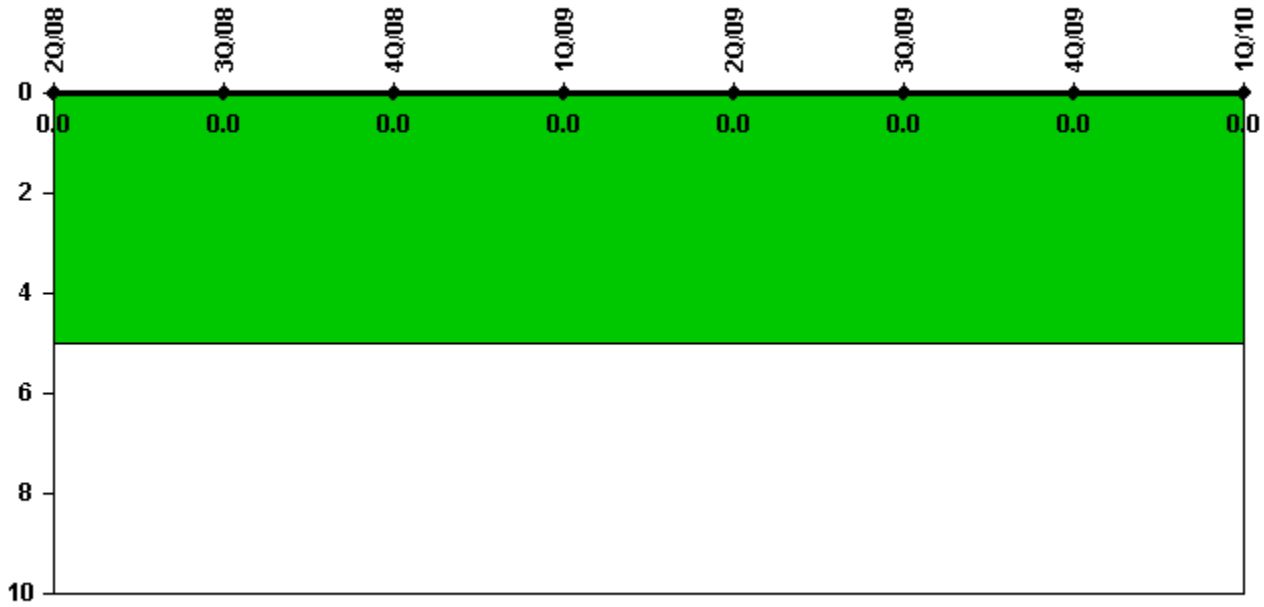
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



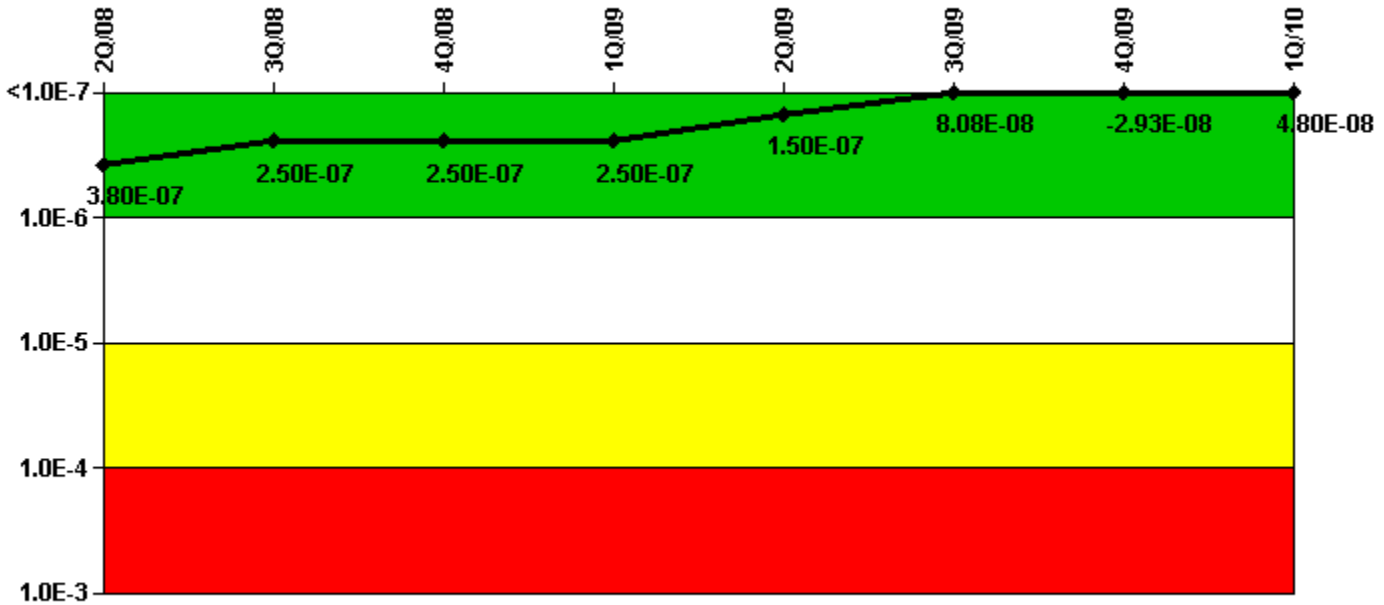
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
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



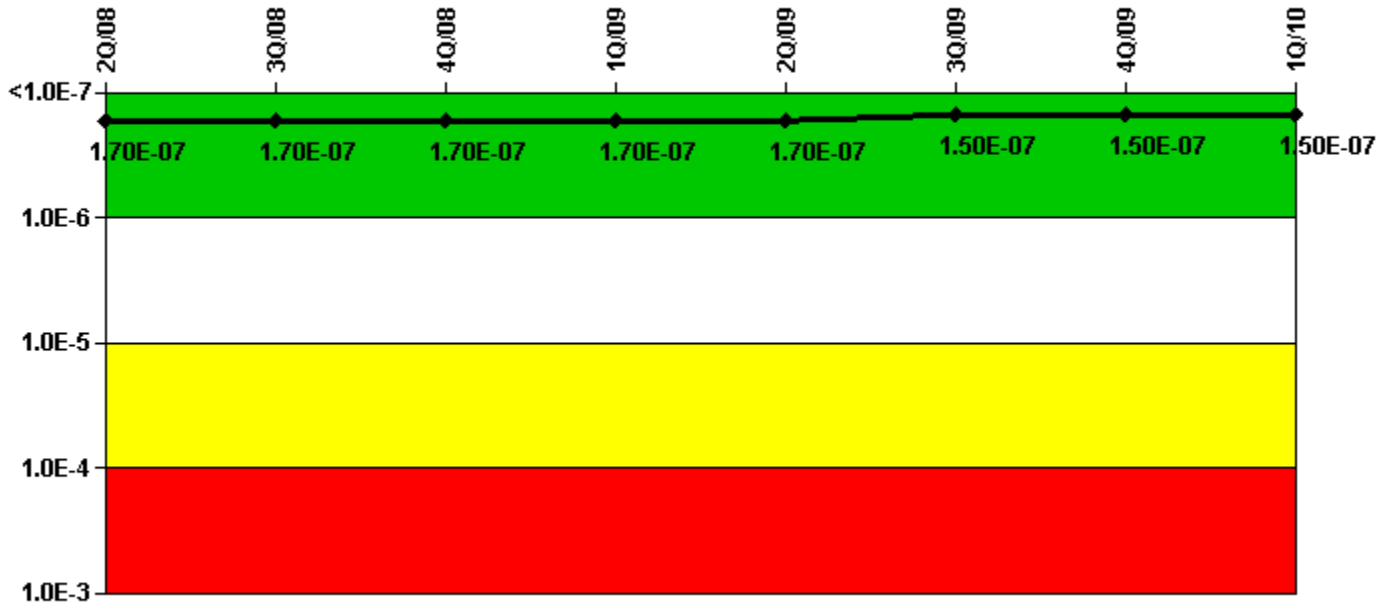
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	9.00E-11	-3.70E-10	-3.50E-10	-3.20E-10	-3.70E-10	-1.80E-10	-2.60E-10	-2.53E-10
URI (Δ CDF)	3.80E-07	2.50E-07	2.50E-07	2.50E-07	1.50E-07	8.10E-08	-2.90E-08	4.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.80E-07	2.50E-07	2.50E-07	2.50E-07	1.50E-07	8.08E-08	-2.93E-08	4.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



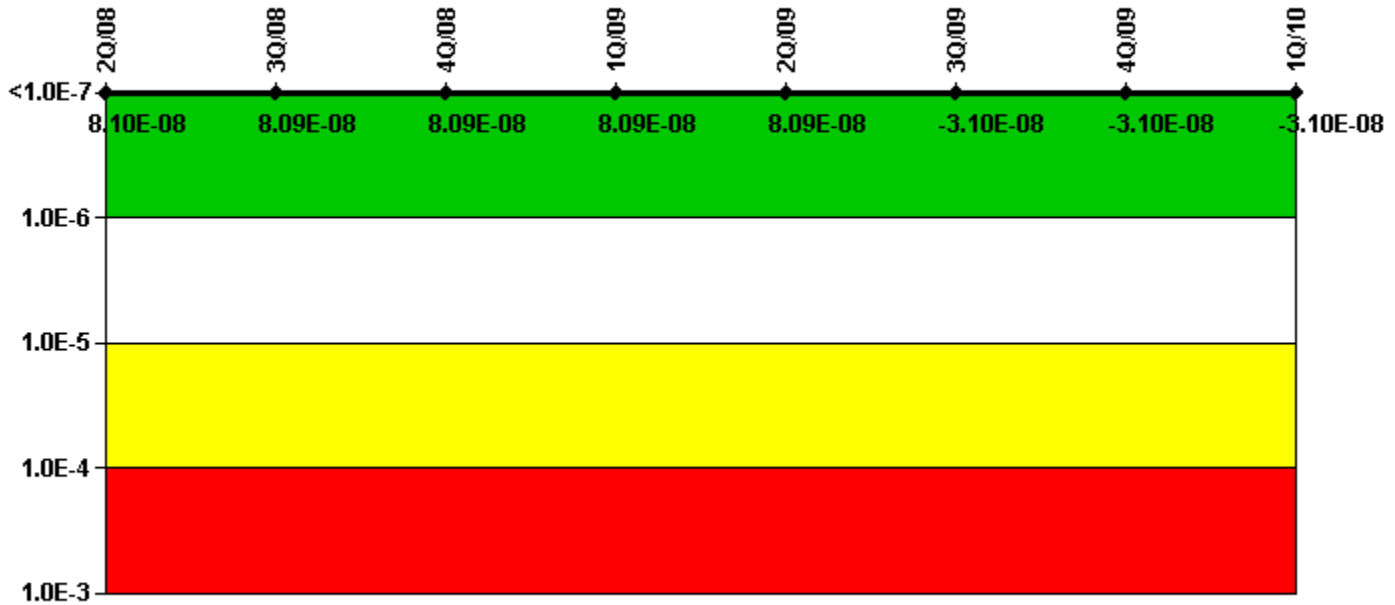
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-3.30E-11	-3.30E-11	-3.20E-11	-3.10E-11	-2.90E-11	-1.20E-11	-1.10E-11	-1.07E-11
URI (Δ CDF)	1.70E-07	1.70E-07	1.70E-07	1.70E-07	1.70E-07	1.50E-07	1.50E-07	1.48E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.70E-07	1.70E-07	1.70E-07	1.70E-07	1.70E-07	1.50E-07	1.50E-07	1.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



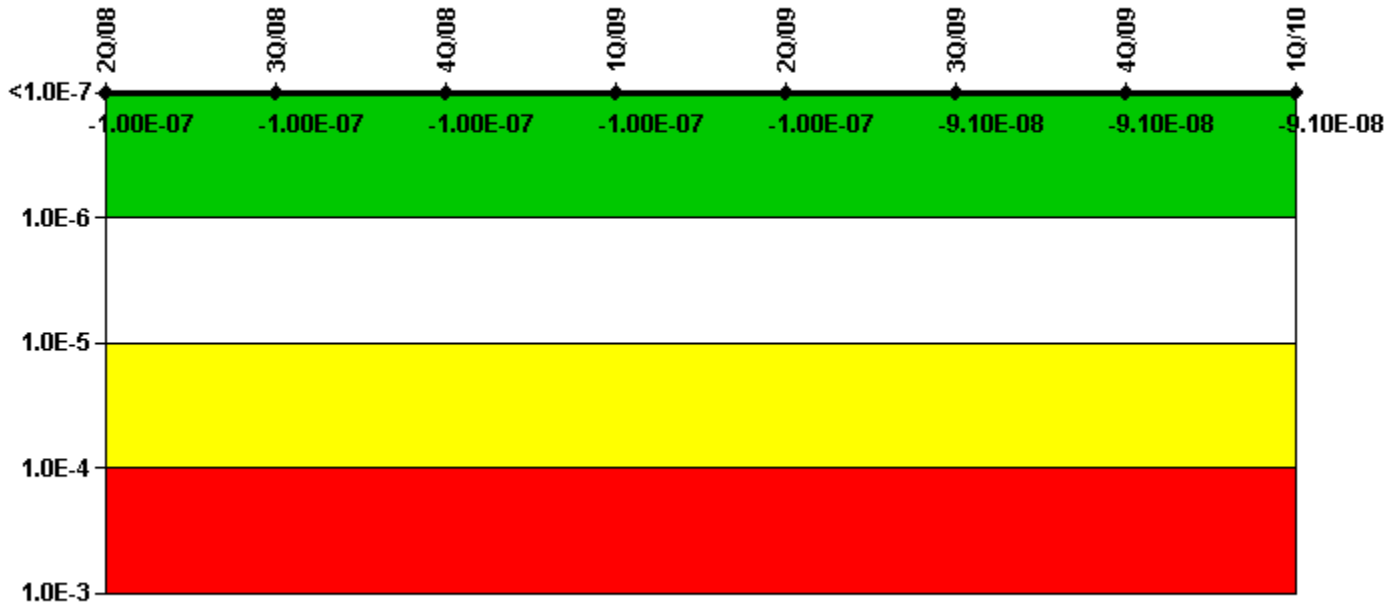
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-3.70E-11	-5.60E-11	-6.00E-11	-5.80E-11	-5.60E-11	-2.90E-11	-2.90E-11	-2.86E-11
URI (Δ CDF)	8.10E-08	8.10E-08	8.10E-08	8.10E-08	8.10E-08	-3.10E-08	-3.10E-08	-3.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.10E-08	8.09E-08	8.09E-08	8.09E-08	8.09E-08	-3.10E-08	-3.10E-08	-3.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



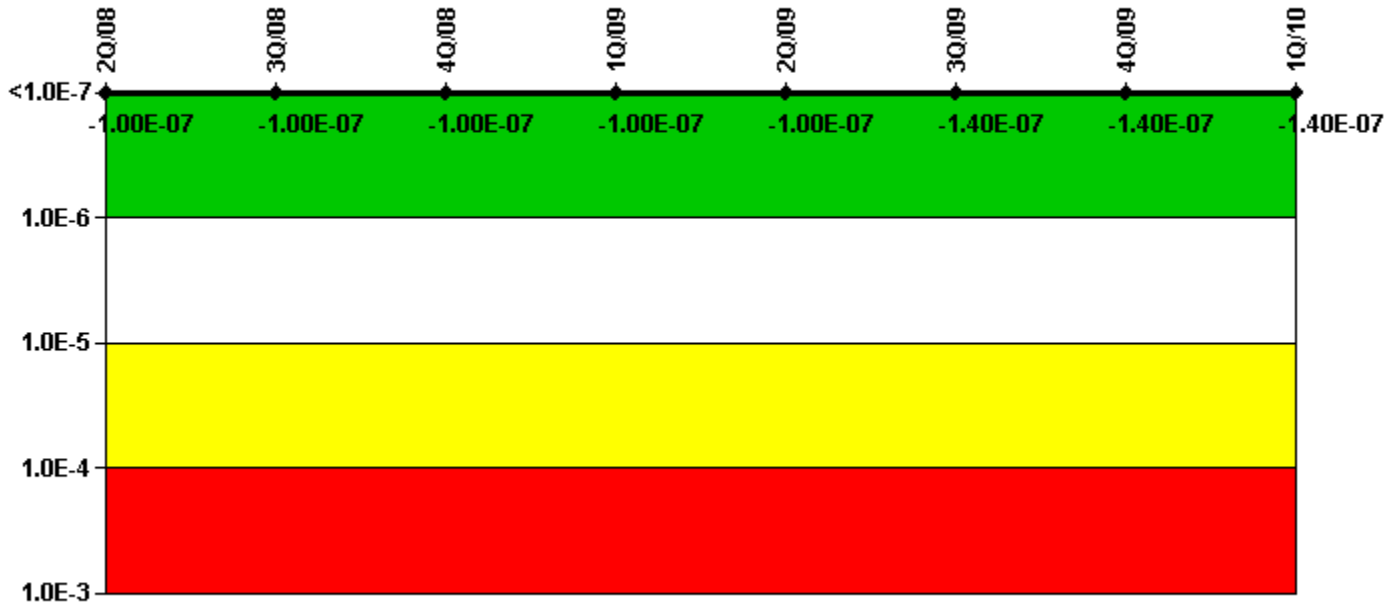
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-5.70E-14	-2.50E-13	-2.50E-13	-2.50E-13	-2.50E-13	-3.20E-13	-3.20E-13	-2.12E-13
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-9.10E-08	-9.10E-08	-9.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-9.10E-08	-9.10E-08	-9.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



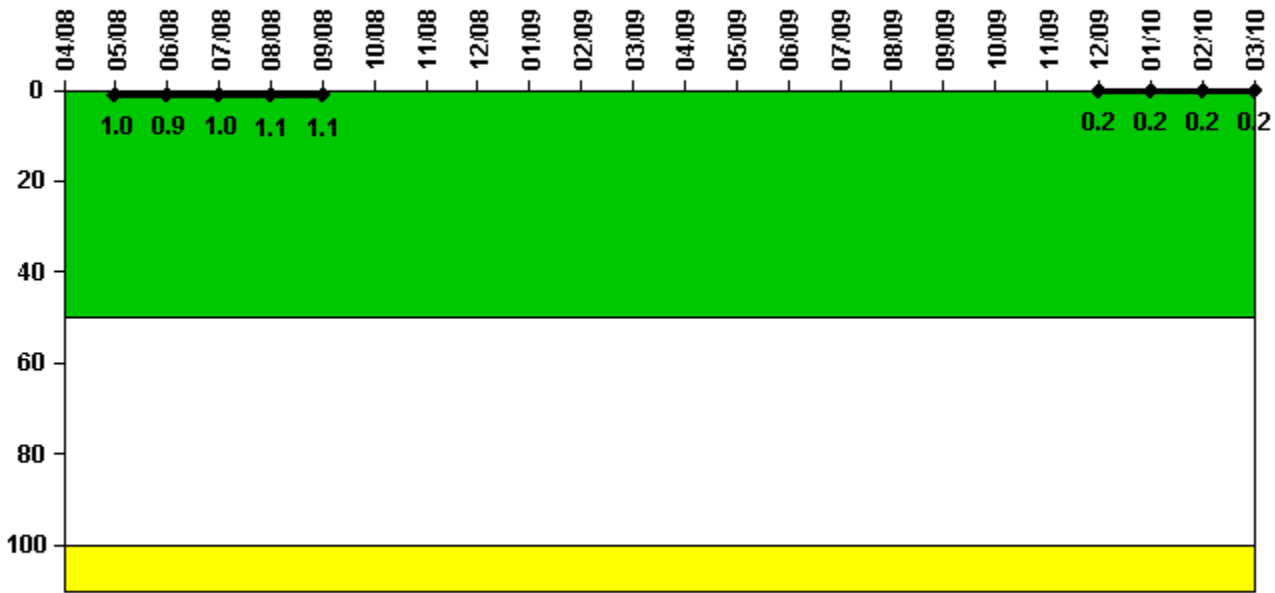
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	4.30E-11	3.40E-11	2.60E-11	2.90E-11	3.70E-11	3.00E-11	3.30E-11	2.20E-11
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.40E-07	-1.40E-07	-1.42E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.40E-07	-1.40E-07	-1.40E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

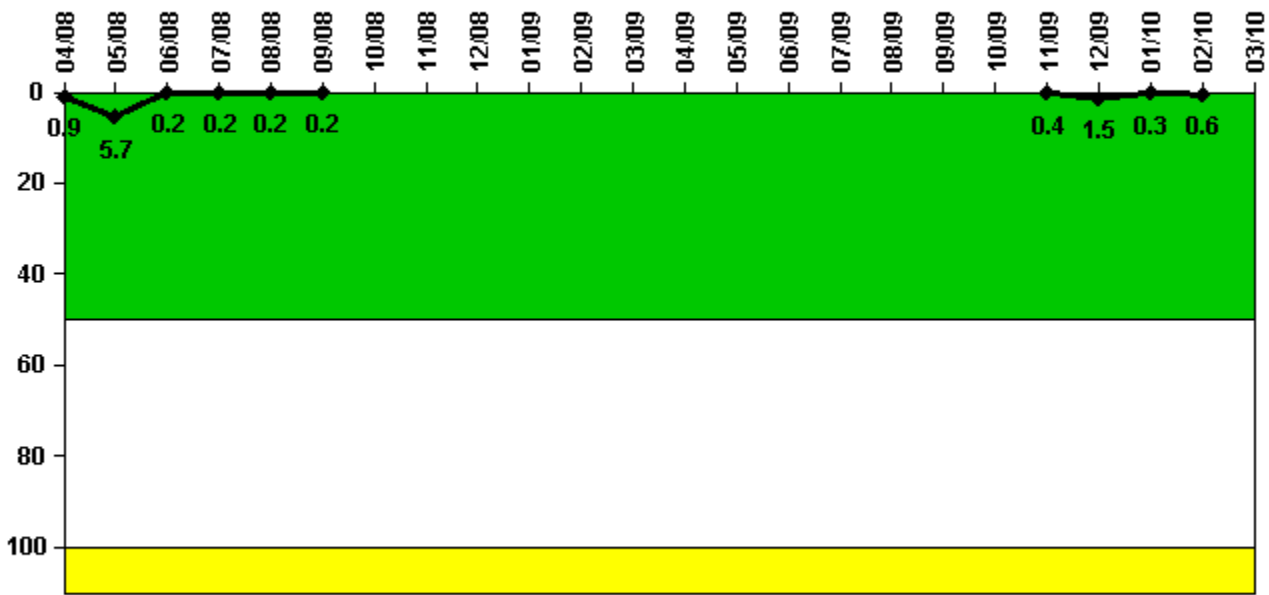
Notes

Reactor Coolant System Activity	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum activity	N/A	0.001700	0.001530	0.001720	0.001890	0.001920	N/A	N/A	N/A	N/A	N/A	N/A
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	N/A	1.0	0.9	1.0	1.1	1.1	N/A	N/A	N/A	N/A	N/A	N/A

Reactor Coolant System Activity	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.002080	0.001980	0.002060	0.001630
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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.2	0.2	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

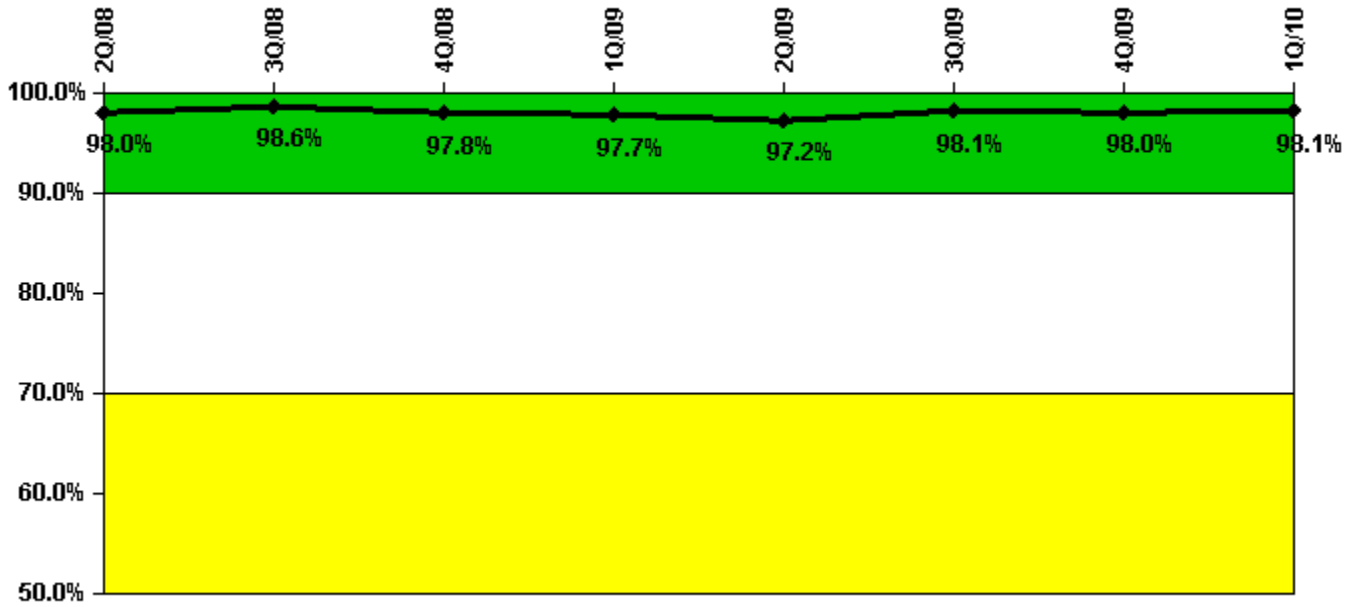
Notes

Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	0.095	0.614	0.024	0.026	0.020	0.022	N/A	N/A	N/A	N/A	N/A	N/A
Technical specification limit	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
Indicator value	0.9	5.7	0.2	0.2	0.2	0.2	N/A	N/A	N/A	N/A	N/A	N/A
Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.041	0.166	0.029	0.068	N/A
Technical specification limit	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
Indicator value	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.4	1.5	0.3	0.6	N/A

Licensee Comments:

3/10: Unit 1 was in a refueling outage during March 2010 - No leak rate determinations performed during the month.

Drill/Exercise Performance



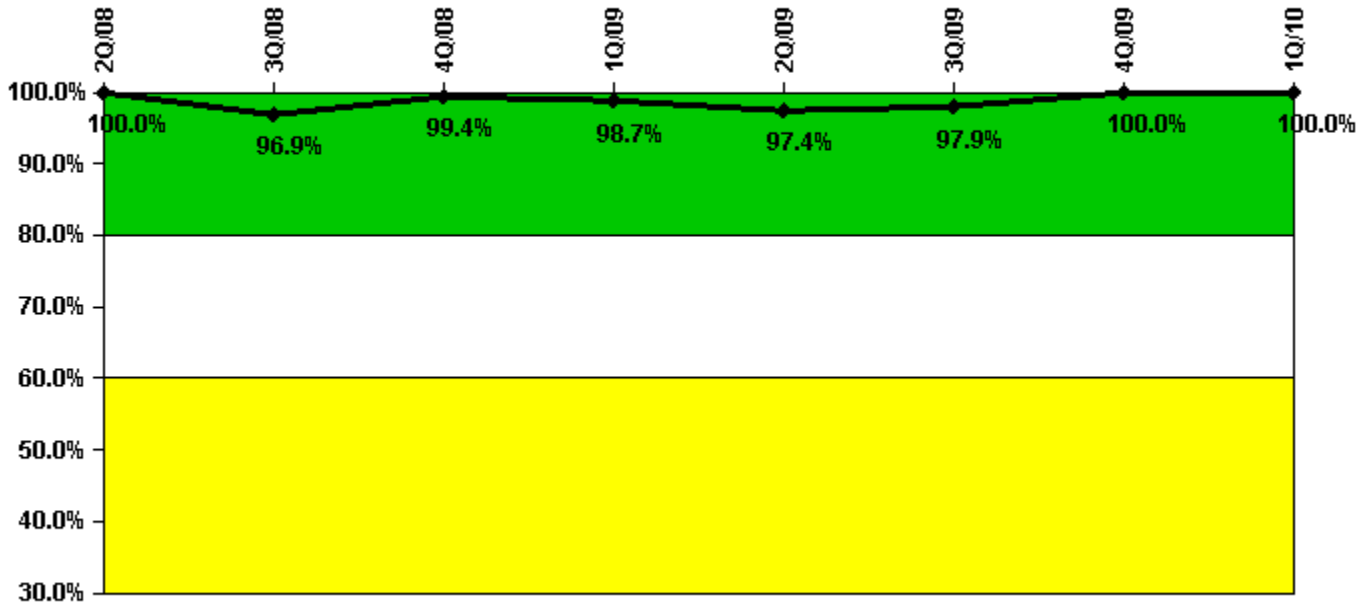
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	27.0	132.0	96.0	47.0	5.0	82.0	16.0	12.0
Total opportunities	27.0	132.0	101.0	47.0	5.0	85.0	16.0	12.0
Indicator value	98.0%	98.6%	97.8%	97.7%	97.2%	98.1%	98.0%	98.1%

Licensee Comments: none

ERO Drill Participation



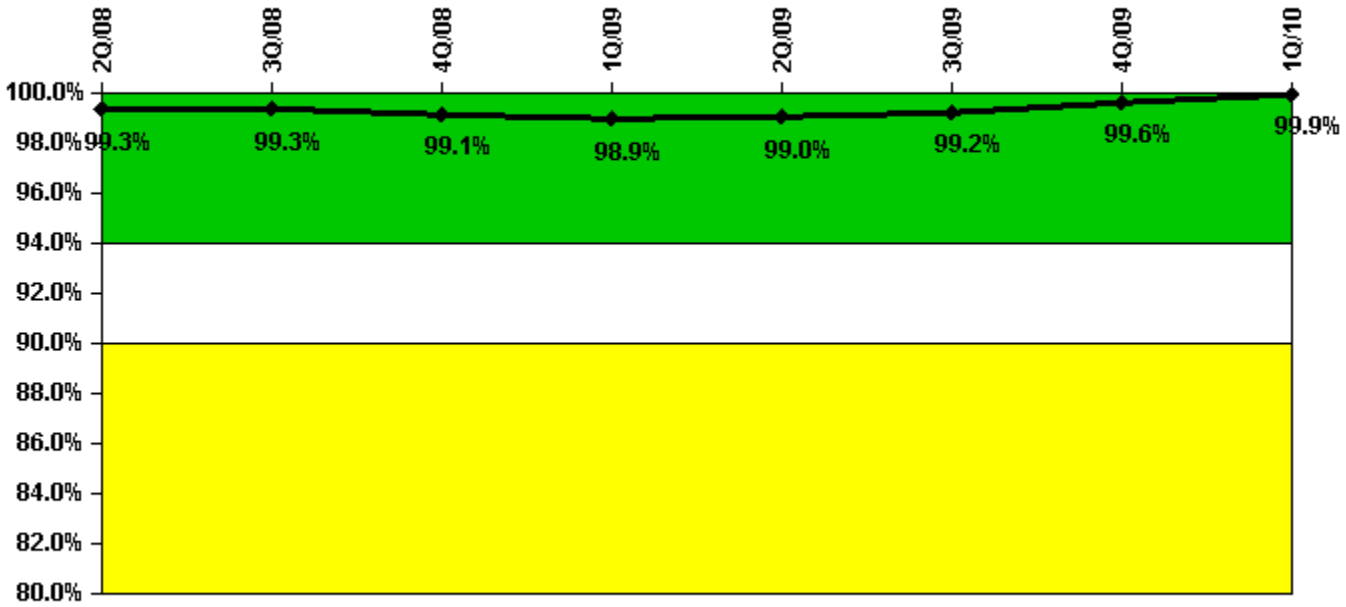
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	157.0	155.0	153.0	156.0	152.0	140.0	144.0	95.0
Total Key personnel	157.0	160.0	154.0	158.0	156.0	143.0	144.0	95.0
Indicator value	100.0%	96.9%	99.4%	98.7%	97.4%	97.9%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	1112	1111	1171	1035	1117	1190	1115	1119
Total sirens-tests	1119	1120	1190	1050	1119	1190	1116	1119
Indicator value	99.3%	99.3%	99.1%	98.9%	99.0%	99.2%	99.6%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
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.