

D.C. Cook 2

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



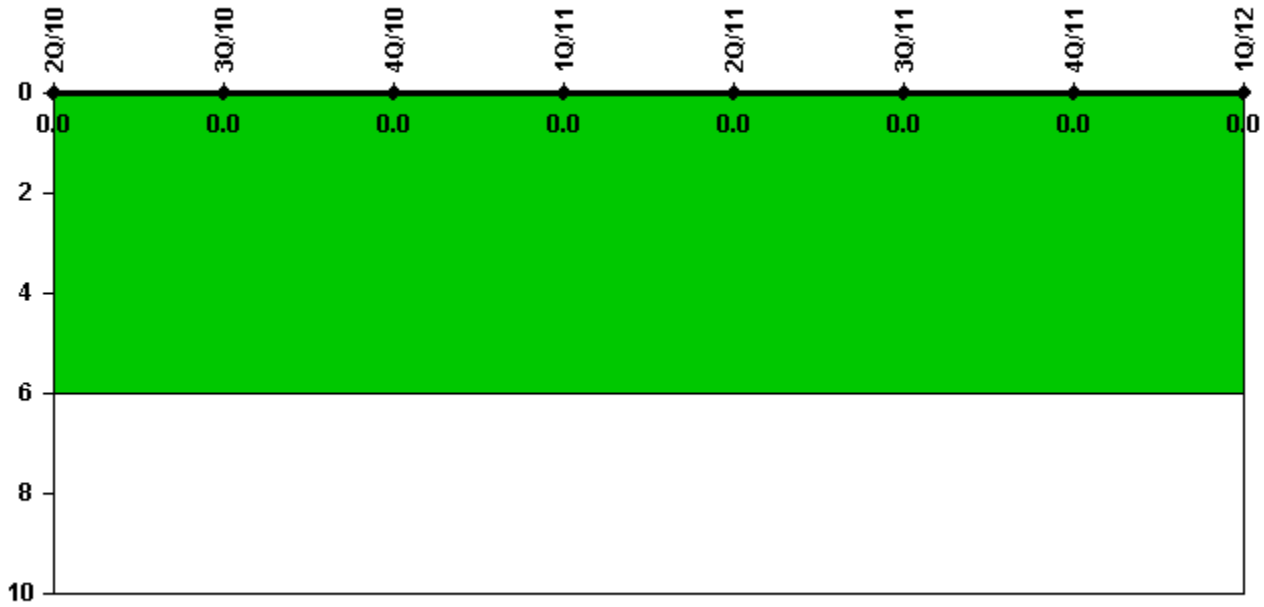
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	767.4	2159.0	2184.0	2208.0	2209.0	1919.0
Indicator value	0.8	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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	767.4	2159.0	2184.0	2208.0	2209.0	1919.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



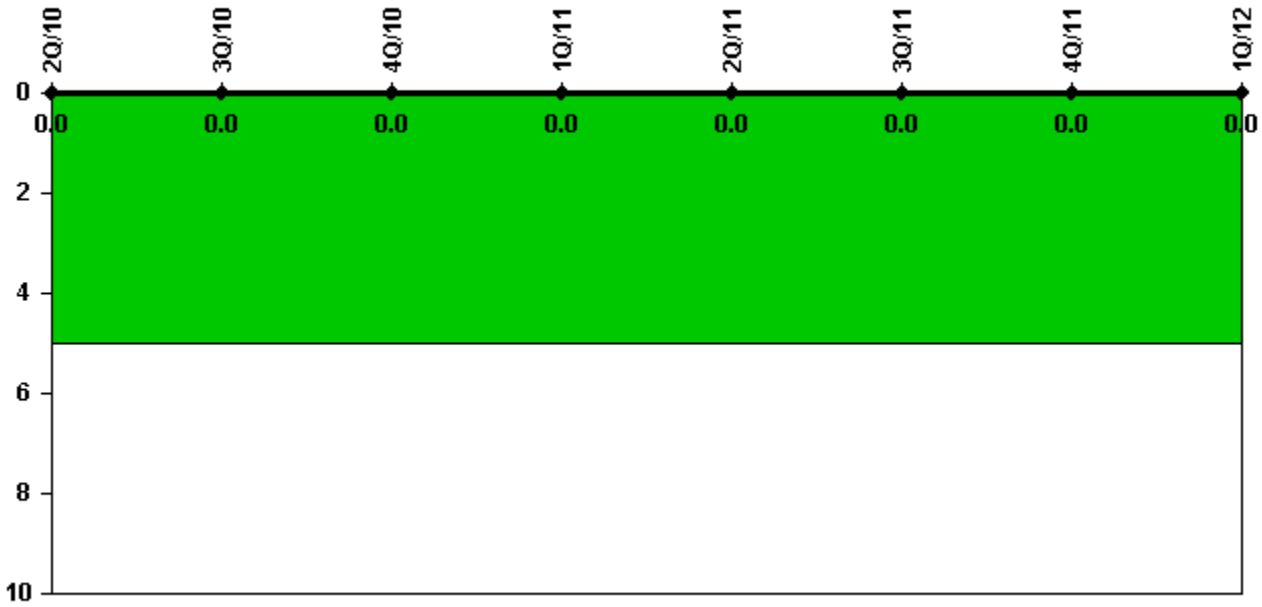
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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)



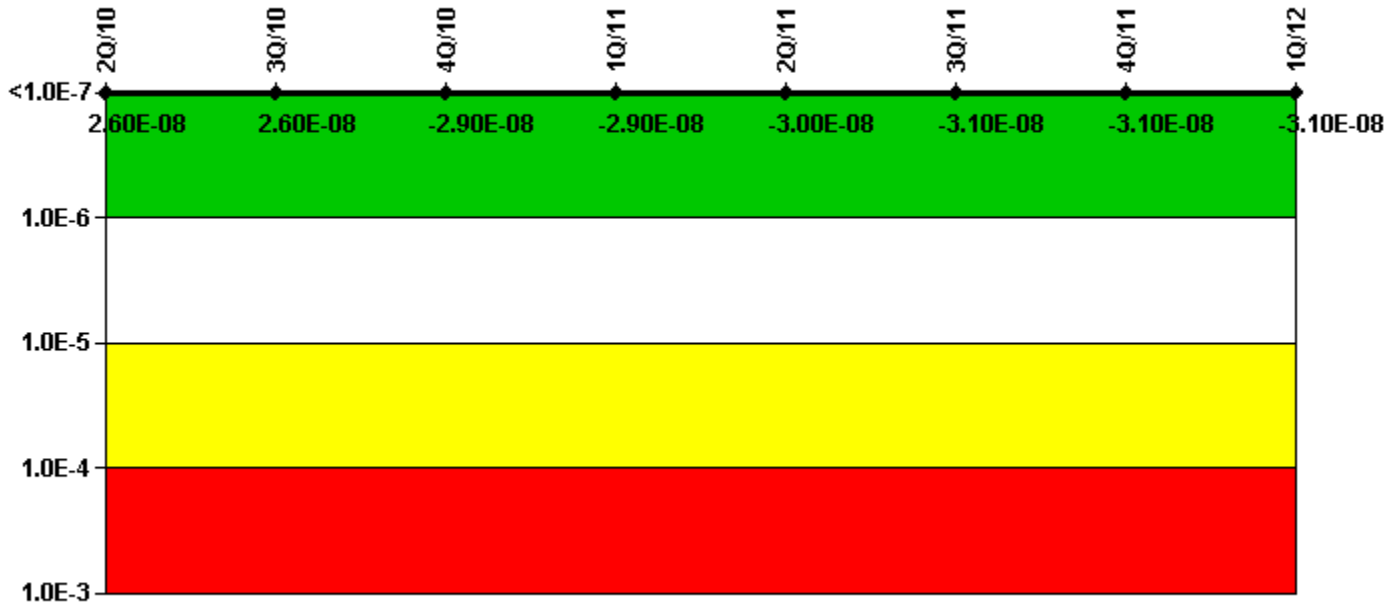
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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



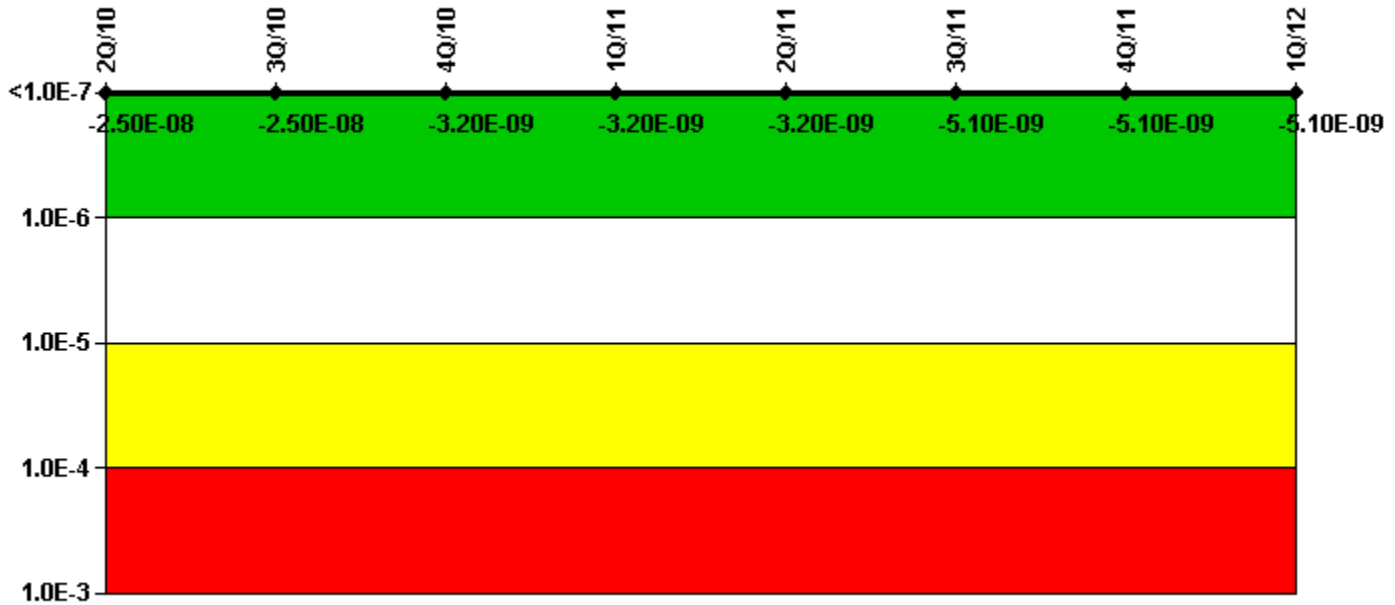
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	2.06E-10	5.69E-10	5.80E-10	6.00E-10	3.07E-10	-2.13E-10	-2.39E-10	-2.32E-10
URI (Δ CDF)	2.58E-08	2.58E-08	-2.99E-08	-2.99E-08	-2.99E-08	-3.11E-08	-3.11E-08	-3.11E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.60E-08	2.60E-08	-2.90E-08	-2.90E-08	-3.00E-08	-3.10E-08	-3.10E-08	-3.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



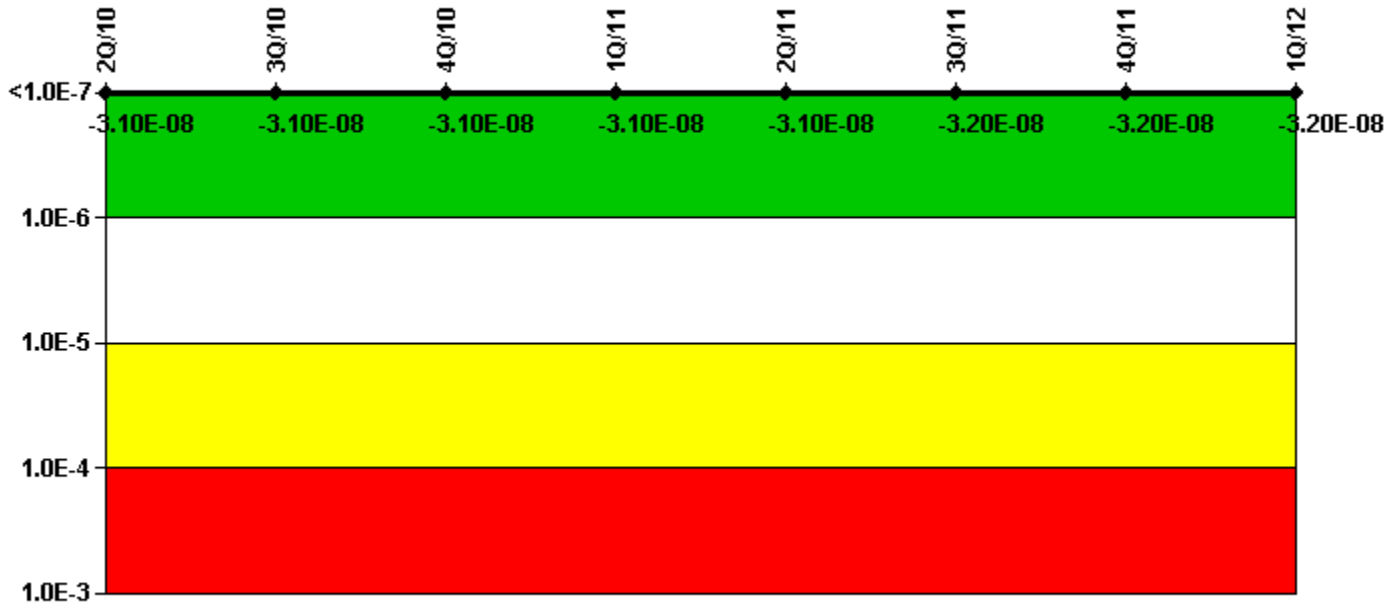
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-2.66E-11	-2.66E-11	-2.66E-11	-2.66E-11	-2.66E-11	-2.66E-11	-2.66E-11	-2.66E-11
URI (Δ CDF)	-2.49E-08	-2.49E-08	-3.19E-09	-3.19E-09	-3.19E-09	-5.04E-09	-5.04E-09	-5.04E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.50E-08	-2.50E-08	-3.20E-09	-3.20E-09	-3.20E-09	-5.10E-09	-5.10E-09	-5.10E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



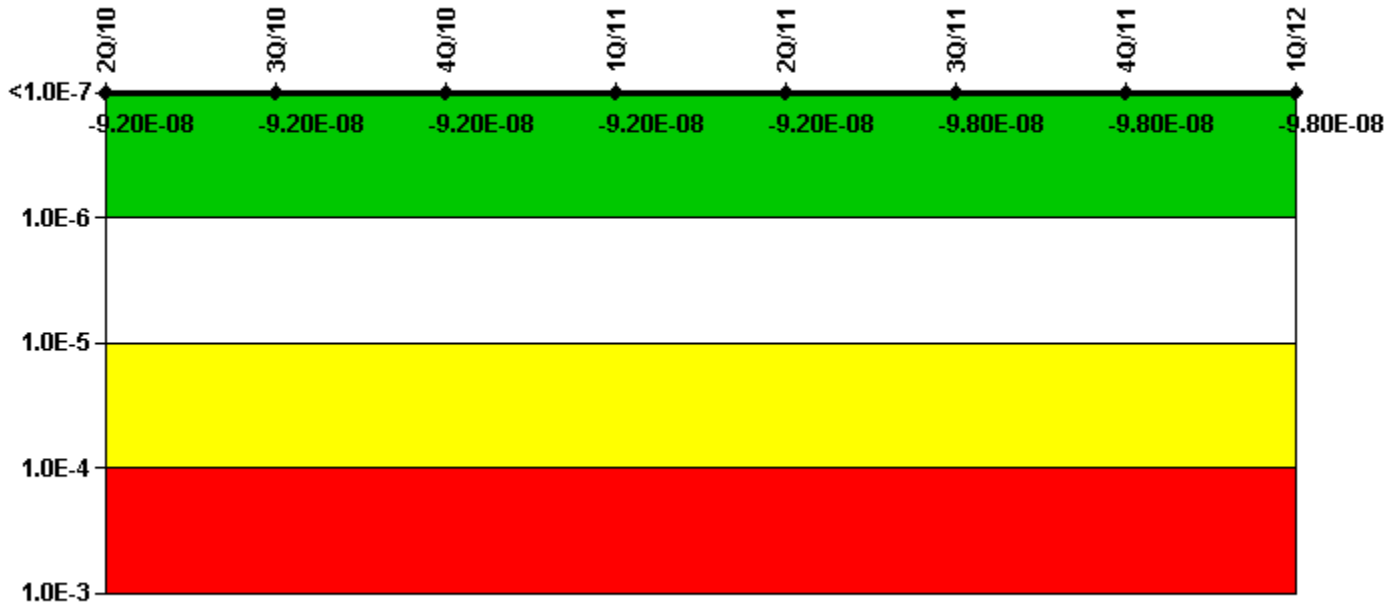
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-2.85E-11	-2.85E-11	-2.85E-11	-2.85E-11	-2.85E-11	-2.85E-11	-2.85E-11	-2.70E-11
URI (Δ CDF)	-3.05E-08	-3.05E-08	-3.12E-08	-3.12E-08	-3.12E-08	-3.20E-08	-3.20E-08	-3.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.10E-08	-3.10E-08	-3.10E-08	-3.10E-08	-3.10E-08	-3.20E-08	-3.20E-08	-3.20E-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

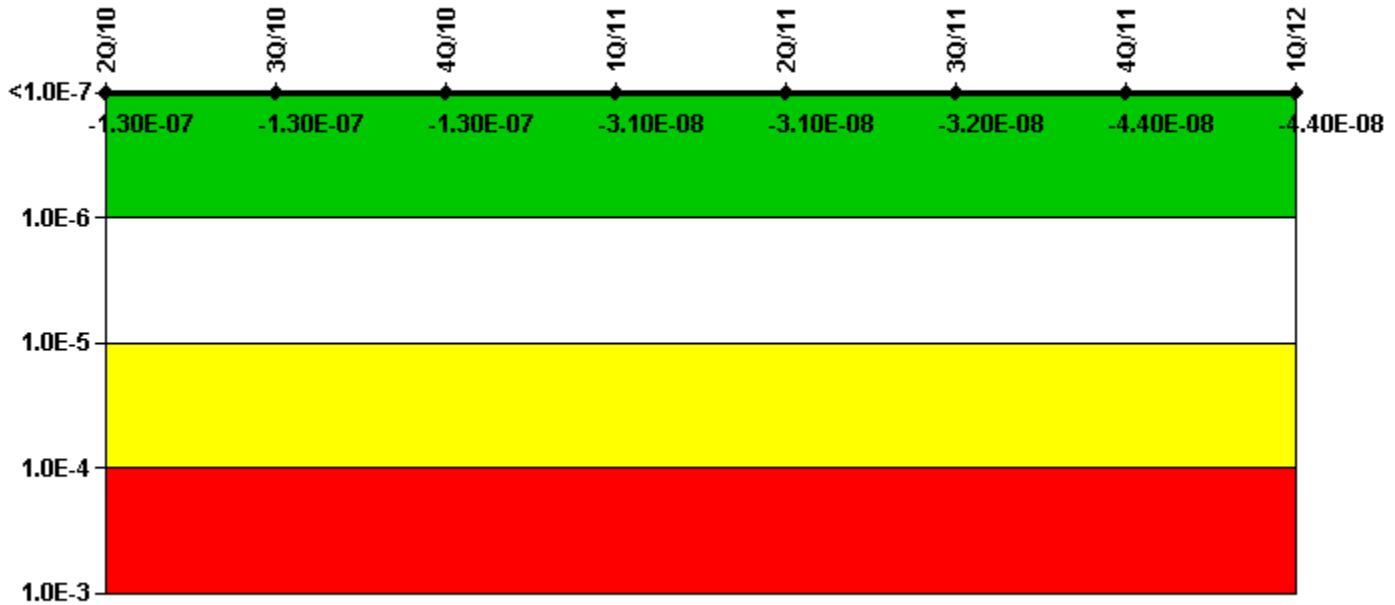
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-3.23E-13	-3.23E-13	-3.23E-13	-3.23E-13	-3.23E-13	-3.23E-13	-3.23E-13	-3.23E-13
URI (Δ CDF)	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.83E-08	-9.83E-08	-9.83E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.80E-08	-9.80E-08	-9.80E-08

Licensee Comments:

1Q/12: March 31, 2012 test results for valve 2-CMO-429 are currently being evaluated to determine if a failure occurred per MSPI criteria. If it is determined that an MSPI equipment failure occurred, a change report will be submitted.

Mitigating Systems Performance Index, Cooling Water Systems



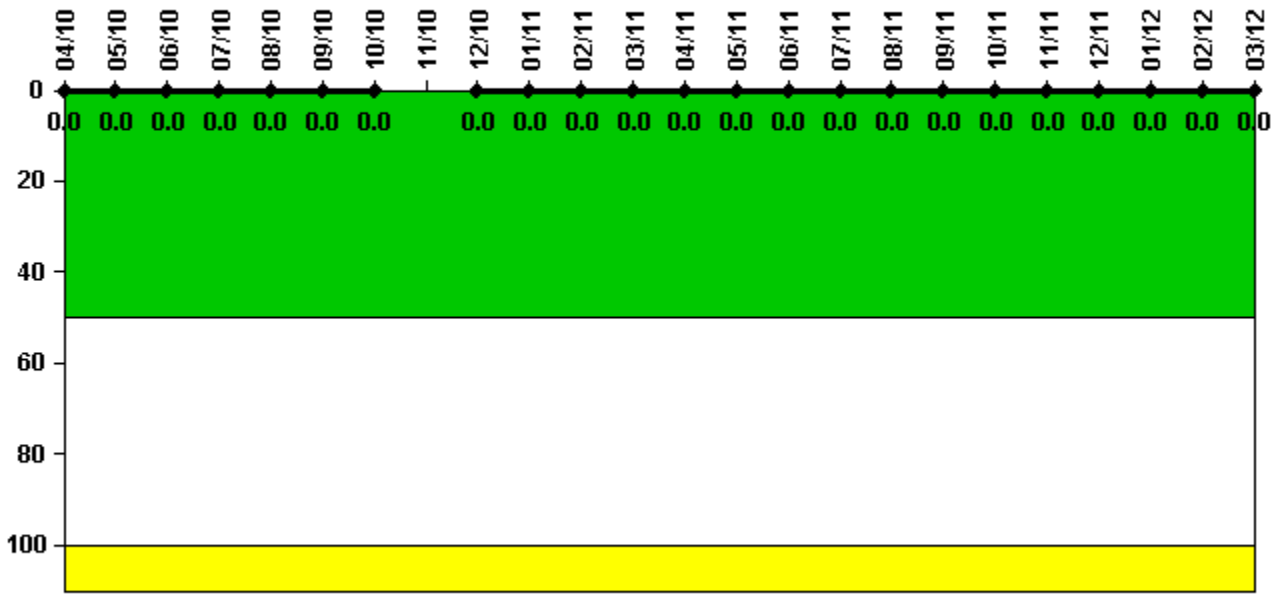
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-6.80E-12	-3.53E-11	-3.31E-11	8.50E-12	8.50E-12	2.08E-12	-1.29E-11	3.37E-11
URI (Δ CDF)	-1.27E-07	-1.27E-07	-1.27E-07	-3.06E-08	-3.07E-08	-3.19E-08	-4.36E-08	-4.36E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-07	-1.30E-07	-1.30E-07	-3.10E-08	-3.10E-08	-3.20E-08	-4.40E-08	-4.40E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

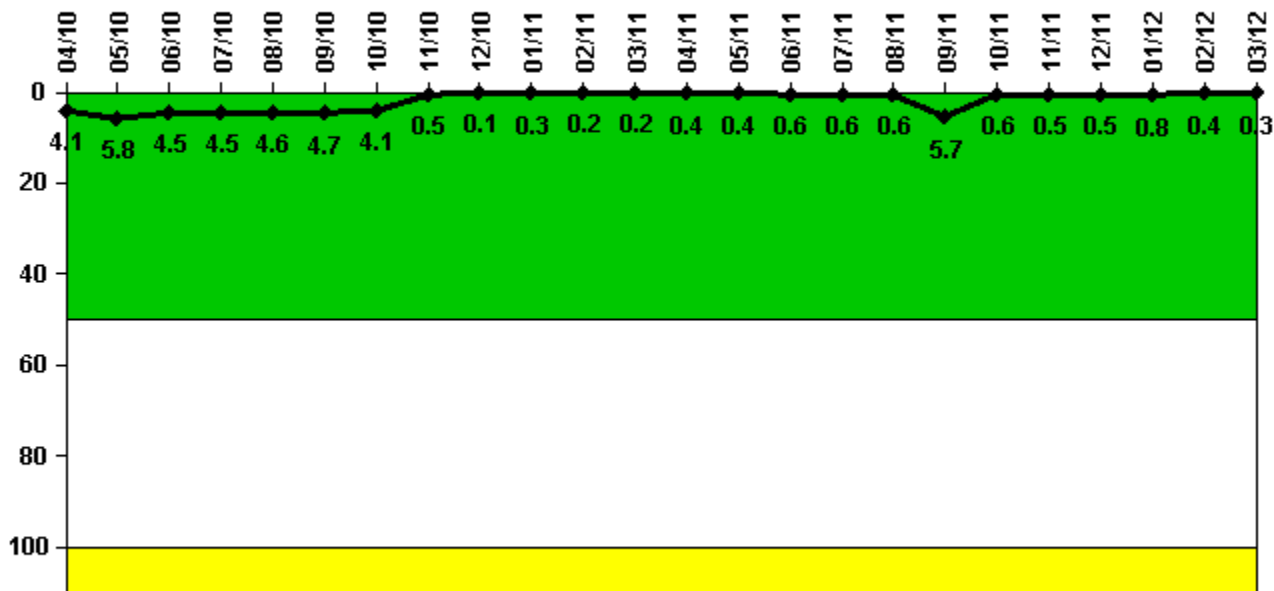
Reactor Coolant System Activity	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum activity	0.000163	0.000180	0.000171	0.000178	0.000178	0.000205	0.000350	N/A	0.000168	0.000094	0.000098	0.000100
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	N/A	0	0	0	0

Reactor Coolant System Activity	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	0.000146	0.000152	0.000167	0.000163	0.000167	0.000170	0.000188	0.000190	0.000203	0.000200	0.000211	0.000152
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:

12/10: Unit 2 remained shut down through November for a refueling outage. No RCS activity data is available for that month.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

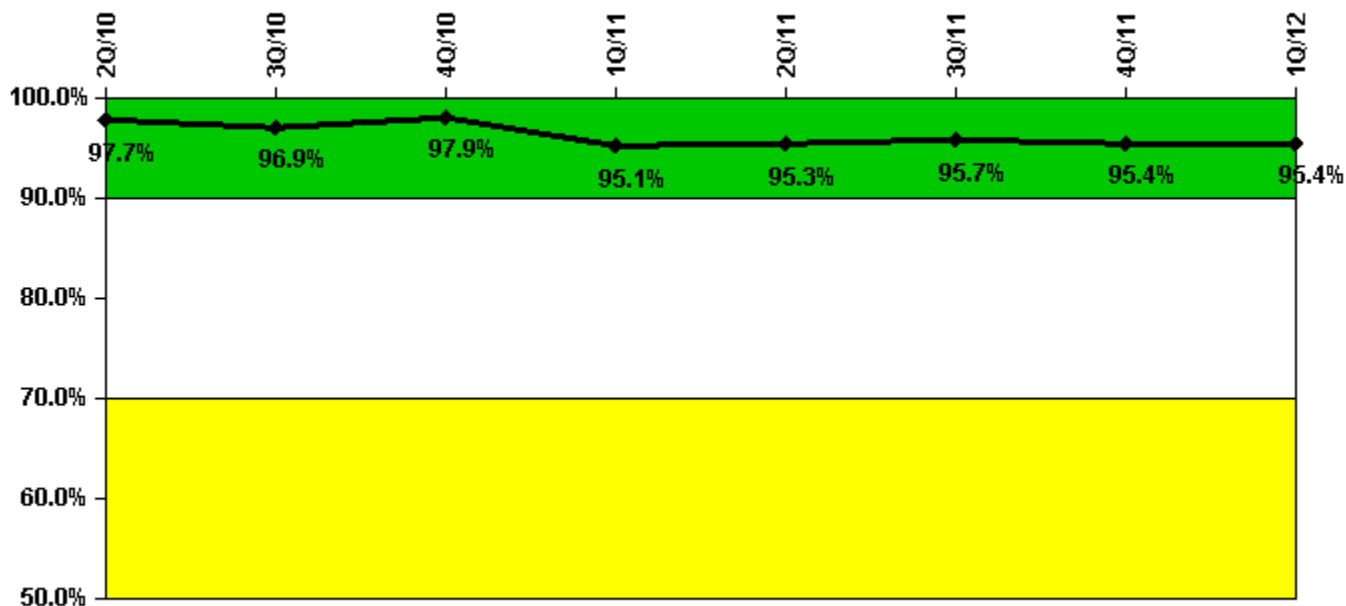
Notes

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	0.447	0.636	0.500	0.497	0.502	0.515	0.448	0.050	0.016	0.038	0.027	0.025
Technical specification limit	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Indicator value	4.1	5.8	4.5	4.5	4.6	4.7	4.1	0.5	0.1	0.3	0.2	0.2
Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	0.041	0.048	0.061	0.062	0.068	0.622	0.066	0.056	0.056	0.085	0.045	0.036
Technical specification limit	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Indicator value	0.4	0.4	0.6	0.6	0.6	5.7	0.6	0.5	0.5	0.8	0.4	0.3

Licensee Comments:

9/11: Elevated (0.6 gpm) RCS leak rate in September due to apparent packing leak occurring during pressurizer PORV block valve stroke test on September 22; leak was isolated the following day.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

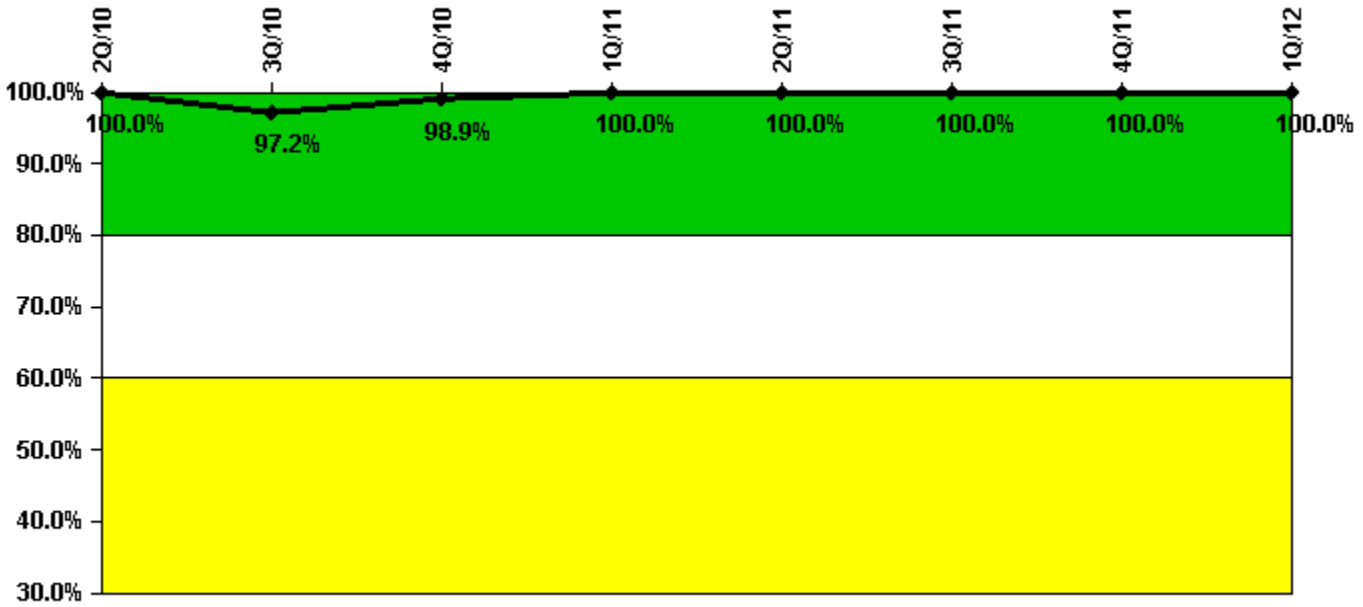
Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	26.0	29.0	19.0	43.0	16.0	41.0	0	34.0
Total opportunities	28.0	29.0	19.0	50.0	16.0	41.0	0	35.0
Indicator value	97.7%	96.9%	97.9%	95.1%	95.3%	95.7%	95.4%	95.4%

Licensee Comments:

1Q/11: Previously submitted data for February 2011 was revised to correct an error in grading drill results. Data was changed from "19 of 21 successful" to "18 of 21 successful". This changes the first quarter 2011 total from "44 of 50 successful" to "43 of 50 successful". This change has no impact on performance indicator color.

ERO Drill Participation



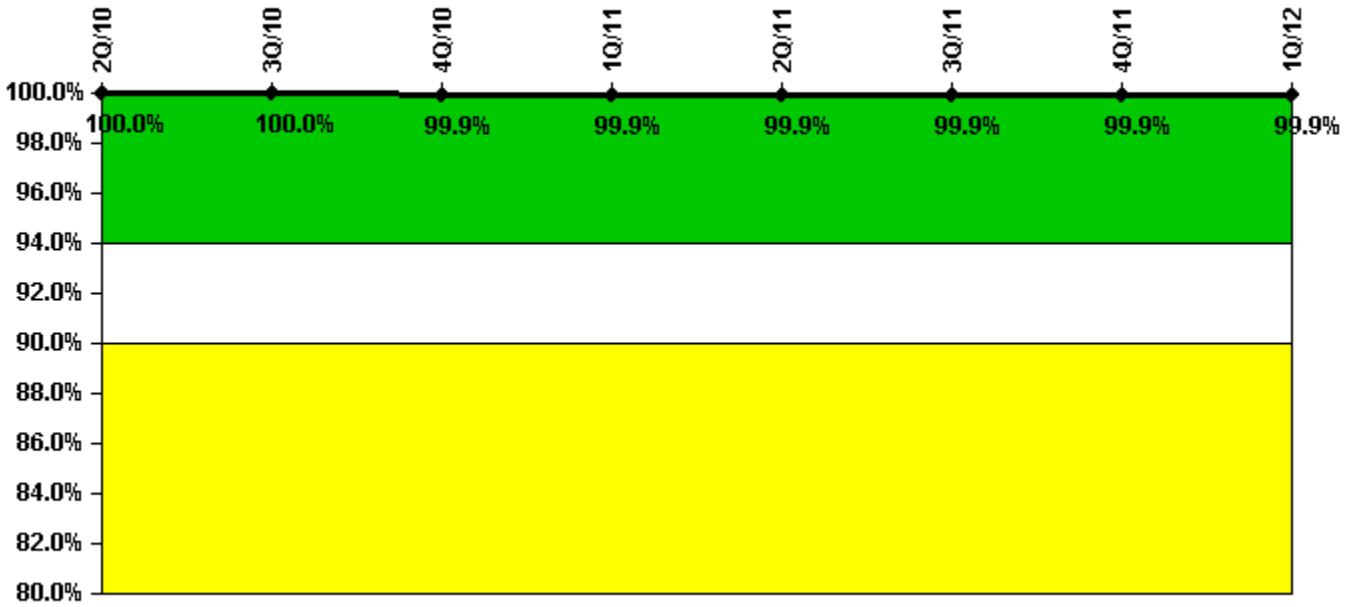
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	96.0	103.0	94.0	92.0	92.0	91.0	91.0	91.0
Total Key personnel	96.0	106.0	95.0	92.0	92.0	91.0	91.0	91.0
Indicator value	100.0%	97.2%	98.9%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	1119	1118	1118	1119	1117	1120	1120	1118
Total sirens-tests	1119	1119	1120	1120	1119	1120	1120	1120
Indicator value	100.0%	100.0%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



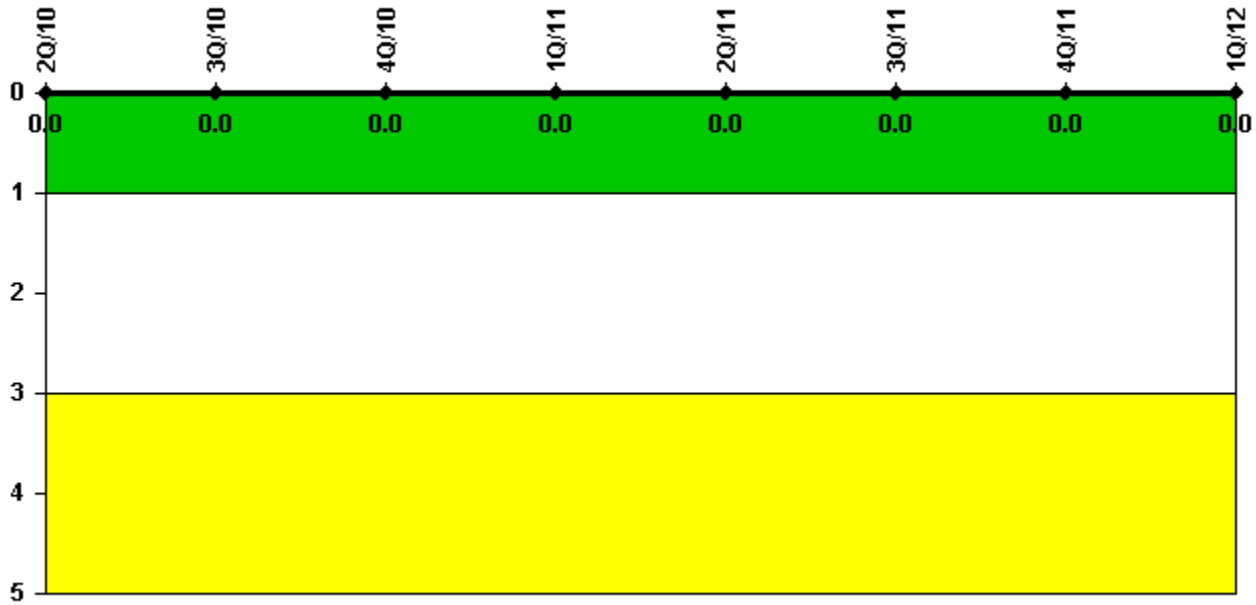
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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.