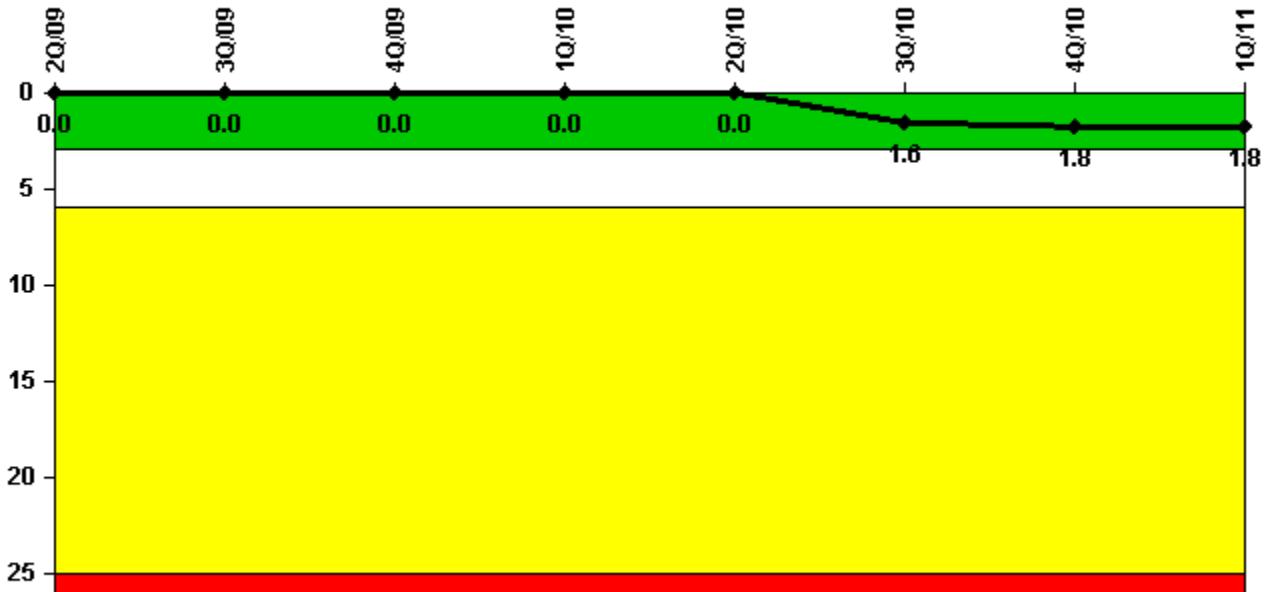


Braidwood 1

1Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



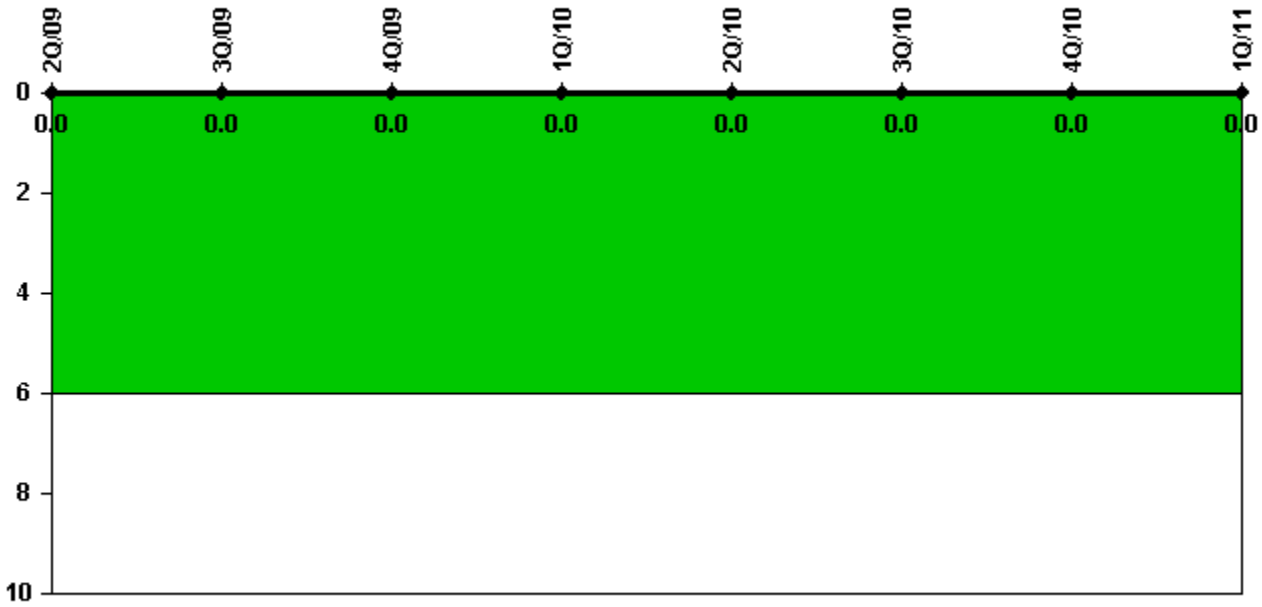
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	0	0	0	0	0	2.0	0	0
Critical hours	1746.6	2208.0	2209.0	2159.0	2184.0	2069.2	1433.2	2159.0
Indicator value	0	0	0	0	0	1.6	1.8	1.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1746.6	2208.0	2209.0	2159.0	2184.0	2069.2	1433.2	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



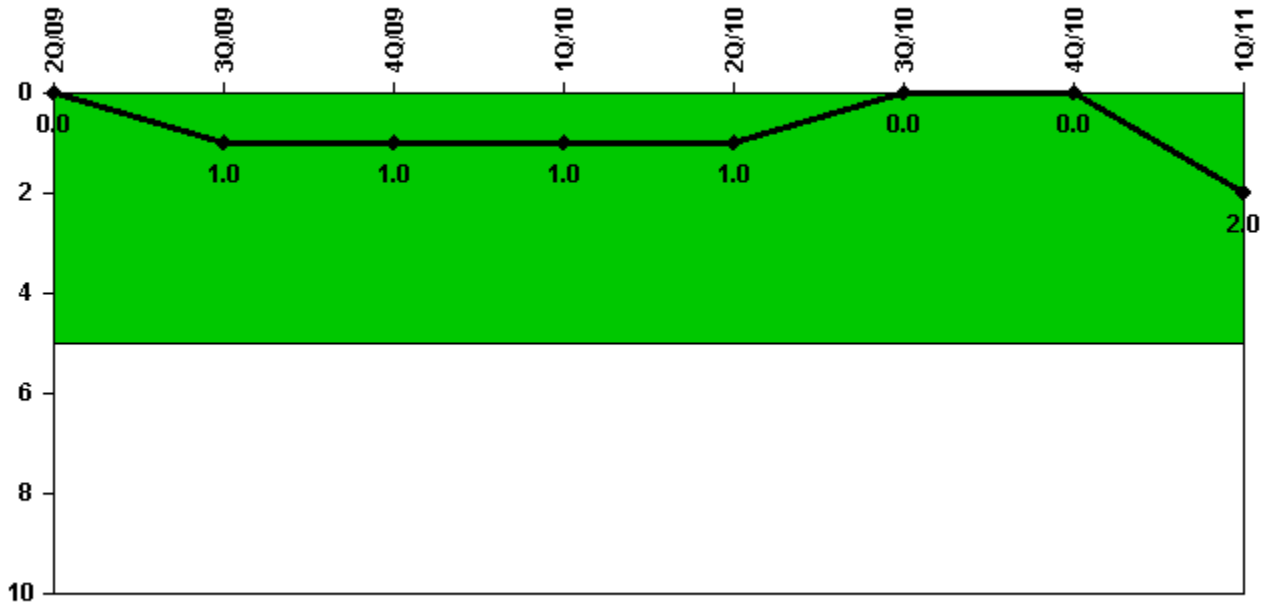
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
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

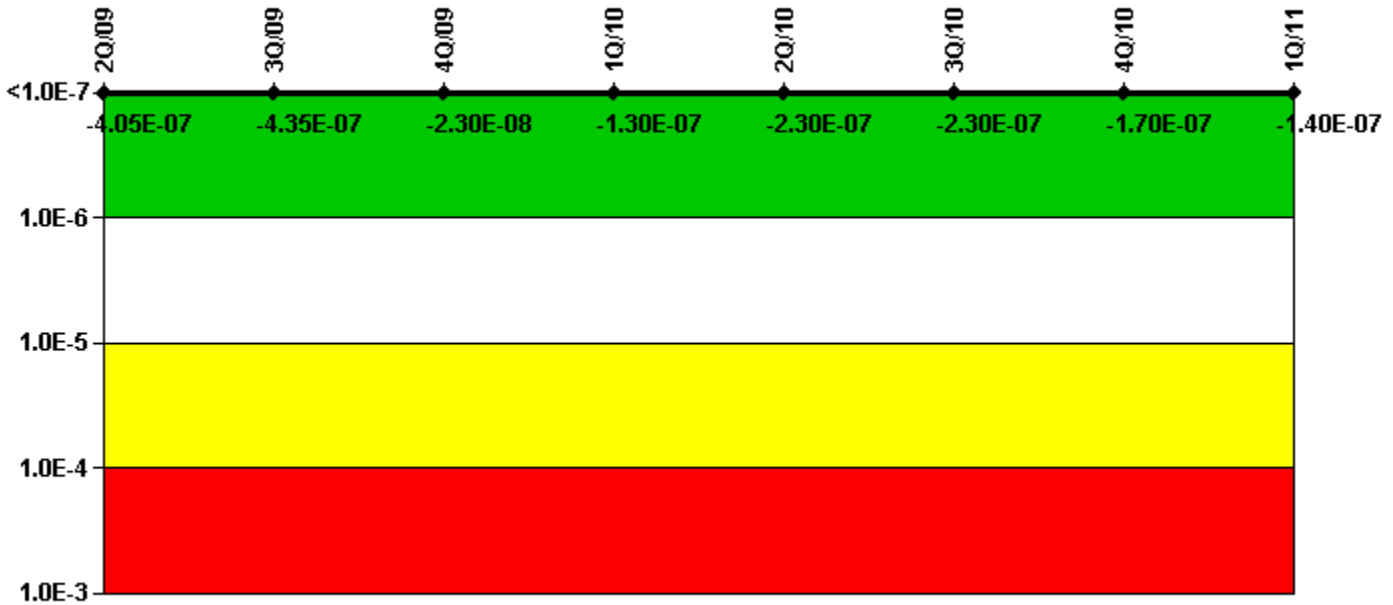
Notes

Safety System Functional Failures (PWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Safety System Functional Failures	0	1	0	0	0	0	0	2
Indicator value	0	1	1	1	1	0	0	2

Licensee Comments:

1Q/11: 2 SSFFs - 1) LER 2010-006-00, Technical Specifications Allowed Outage Time Extension Request for Component Cooling System Contained Inaccurate Design Information that Significantly Impacted the Technical Justification; and 2) LER 2010-007-00, Potential Loss of Residual Heat Removal System Safety Function in Mode 4 When aligned for Shutdown Cooling due to Potential for Flashing or Voiding of Coolant During a Shutdown Loss of Coolant Accident.

Mitigating Systems Performance Index, Emergency AC Power System



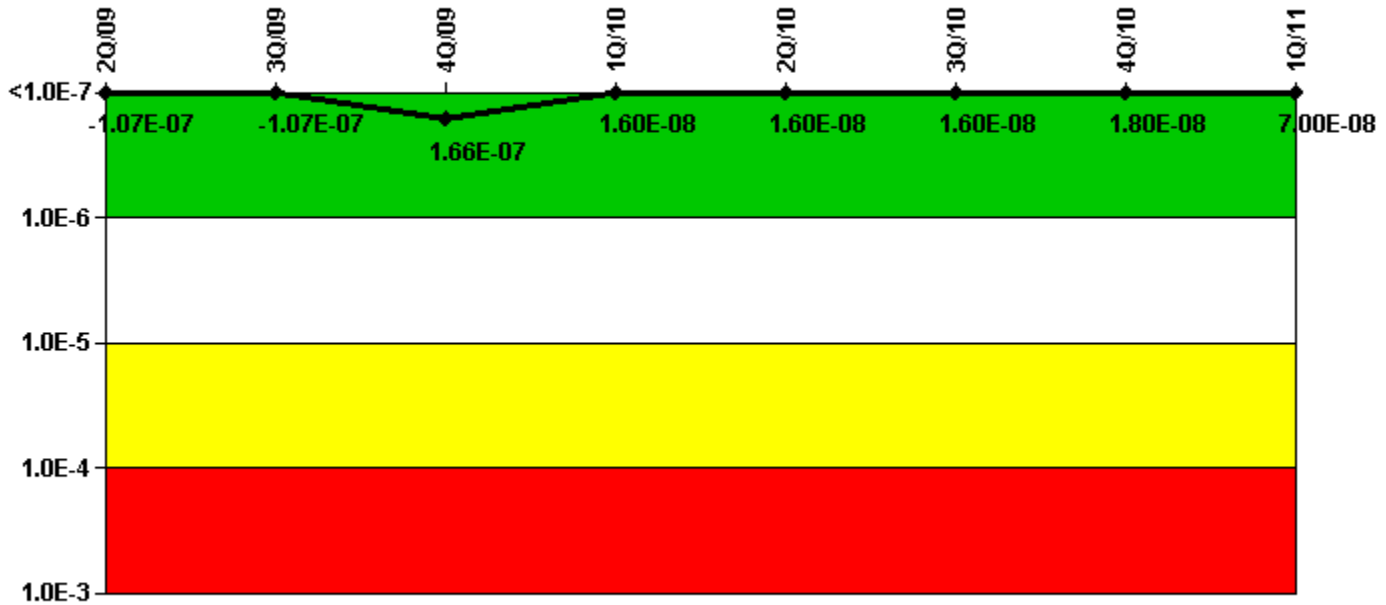
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	5.50E-08	5.50E-08	4.90E-08	3.86E-08	1.95E-08	1.74E-08	1.66E-08	4.30E-08
URI (Δ CDF)	-4.60E-07	-4.90E-07	-7.20E-08	-1.72E-07	-2.46E-07	-2.46E-07	-1.84E-07	-1.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.05E-07	-4.35E-07	-2.30E-08	-1.30E-07	-2.30E-07	-2.30E-07	-1.70E-07	-1.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



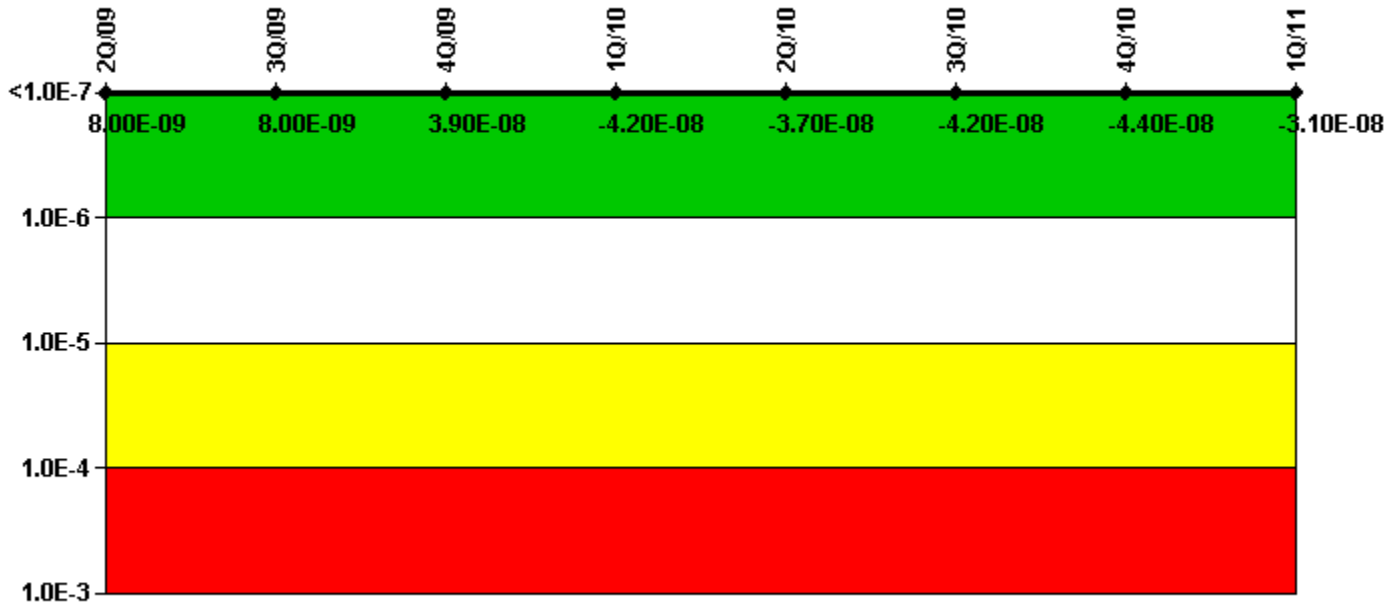
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-9.20E-08	-9.20E-08	1.80E-07	1.93E-08	1.93E-08	1.95E-08	2.15E-08	7.36E-08
URI (Δ CDF)	-1.50E-08	-1.50E-08	-1.40E-08	-3.31E-09	-3.38E-09	-3.38E-09	-3.36E-09	-3.35E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.07E-07	-1.07E-07	1.66E-07	1.60E-08	1.60E-08	1.60E-08	1.80E-08	7.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



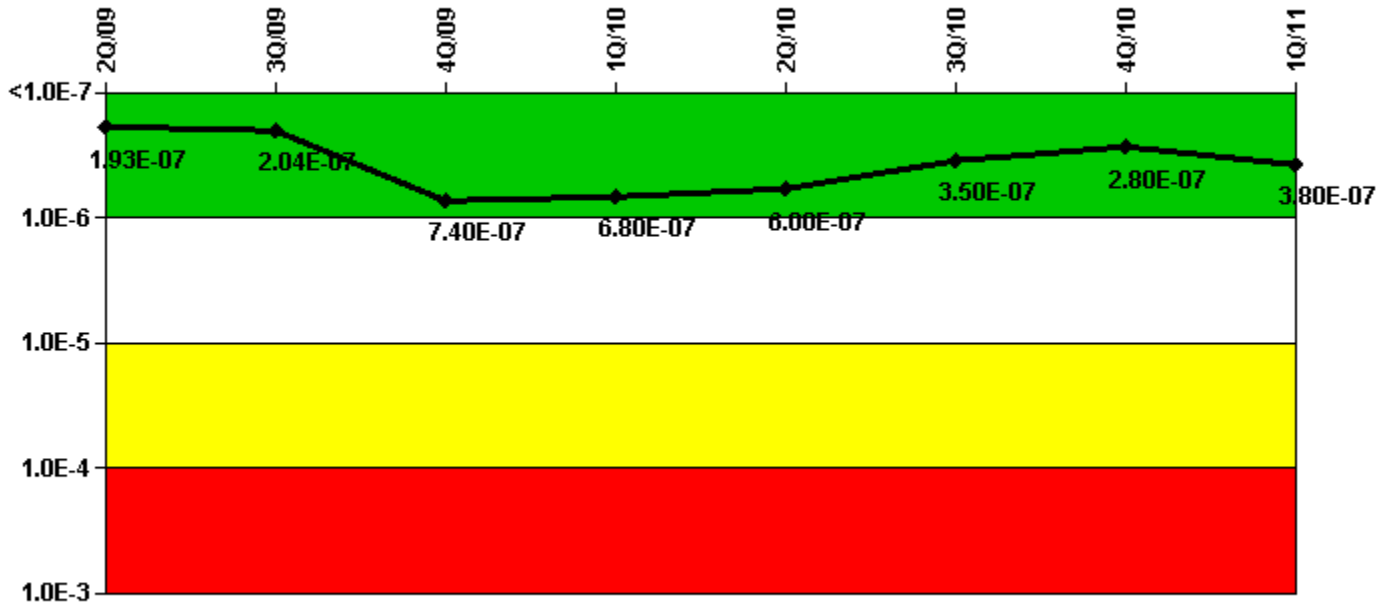
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-1.50E-08	-1.50E-08	-1.50E-08	-5.04E-08	-5.05E-08	-5.00E-08	-4.94E-08	-3.56E-08
URI (Δ CDF)	2.30E-08	2.30E-08	5.40E-08	8.14E-09	1.36E-08	7.92E-09	5.20E-09	5.07E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.00E-09	8.00E-09	3.90E-08	-4.20E-08	-3.70E-08	-4.20E-08	-4.40E-08	-3.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



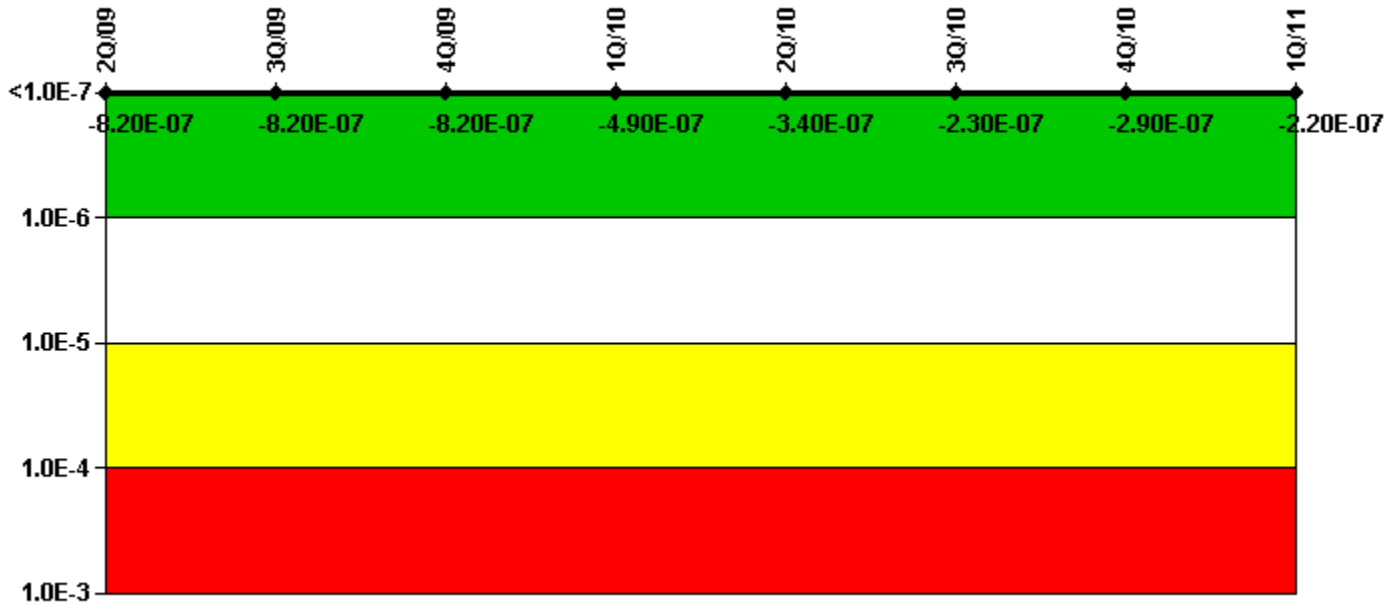
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	1.30E-08	2.40E-08	2.20E-07	3.66E-07	2.89E-07	3.51E-08	-2.46E-08	6.52E-08
URI (Δ CDF)	1.80E-07	1.80E-07	5.20E-07	3.14E-07	3.15E-07	3.19E-07	3.09E-07	3.15E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.93E-07	2.04E-07	7.40E-07	6.80E-07	6.00E-07	3.50E-07	2.80E-07	3.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



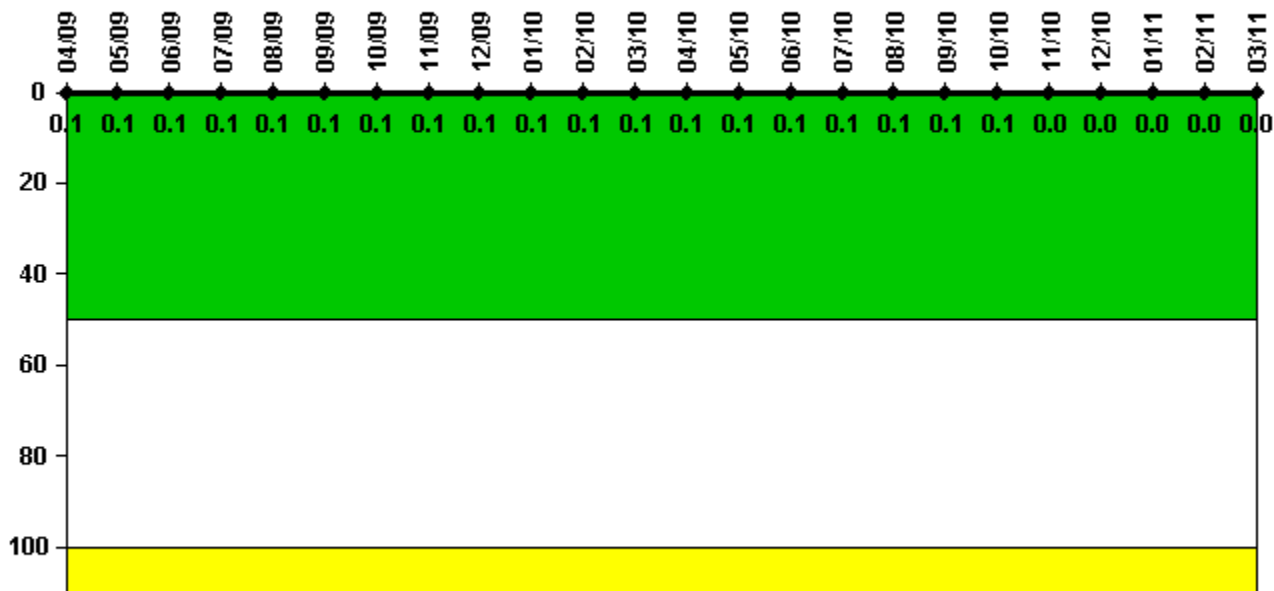
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	6.80E-07	6.80E-07	6.80E-07	8.75E-08	2.41E-07	3.53E-07	3.02E-07	3.69E-07
URI (Δ CDF)	-1.50E-06	-1.50E-06	-1.50E-06	-5.79E-07	-5.81E-07	-5.88E-07	-5.87E-07	-5.87E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.20E-07	-8.20E-07	-8.20E-07	-4.90E-07	-3.40E-07	-2.30E-07	-2.90E-07	-2.20E-07

Licensee Comments: none

Reactor Coolant System Activity



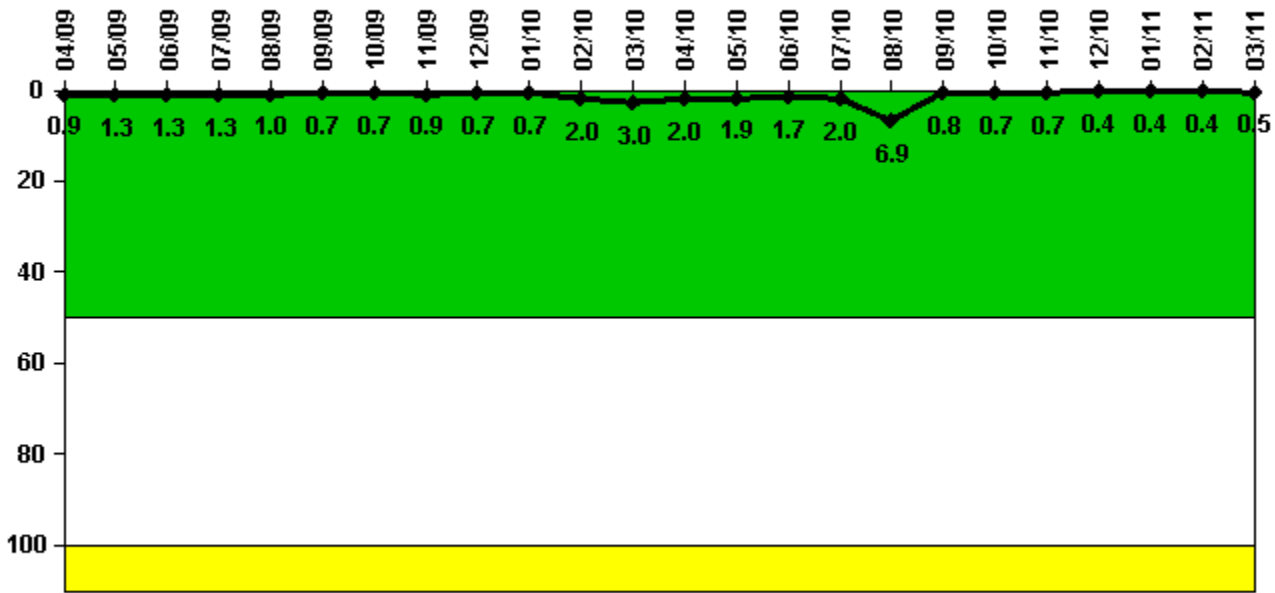
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.000652	0.000822	0.000738	0.000816	0.000864	0.000884	0.000951	0.000989	0.001030	0.001110	0.001100	0.000680
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0.000694	0.000738	0.000750	0.000768	0.000870	0.000829	0.000784	0.000265	0.000268	0.000288	0.000292	0.000325
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



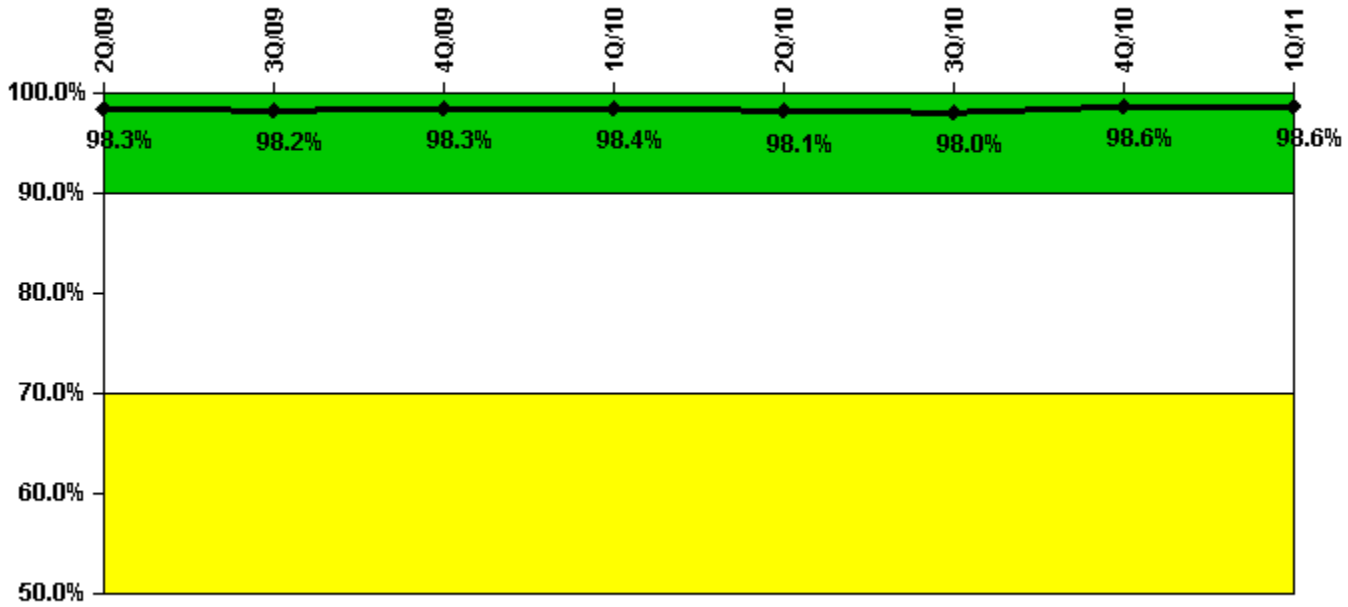
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.085	0.126	0.125	0.127	0.102	0.072	0.066	0.086	0.067	0.066	0.202	0.301
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	0.9	1.3	1.3	1.3	1.0	0.7	0.7	0.9	0.7	0.7	2.0	3.0
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	0.201	0.194	0.168	0.196	0.688	0.078	0.069	0.066	0.042	0.039	0.041	0.047
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	1.9	1.7	2.0	6.9	0.8	0.7	0.7	0.4	0.4	0.4	0.5

Licensee Comments: none

Drill/Exercise Performance



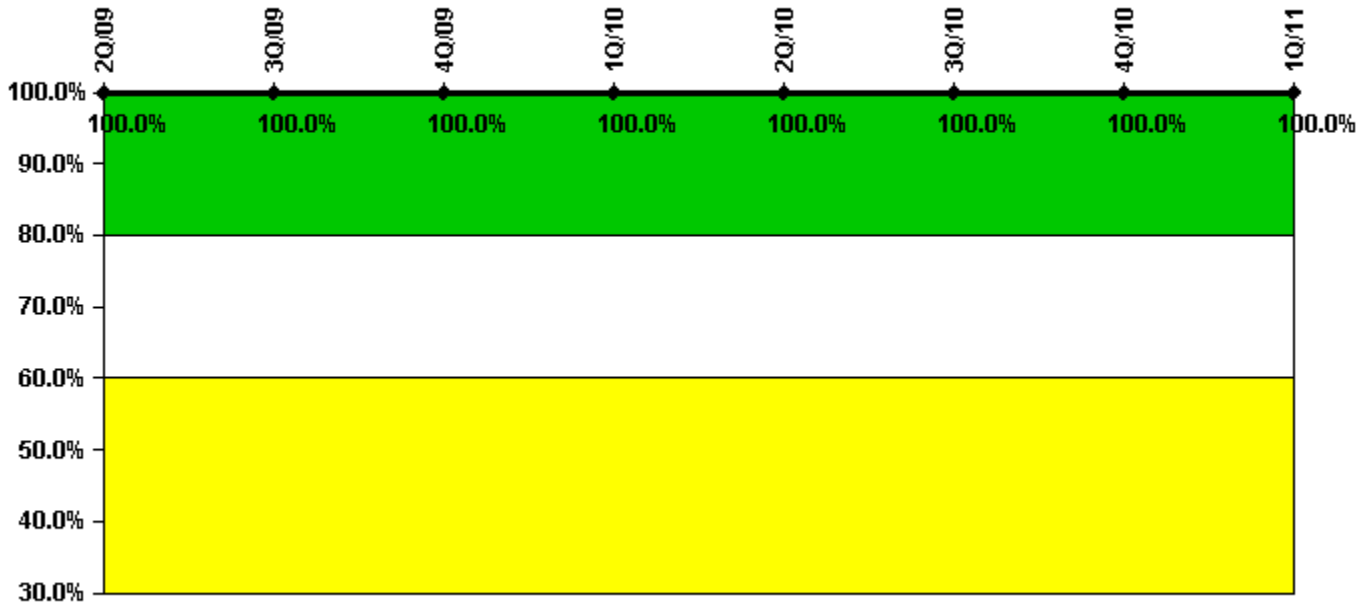
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	47.0	117.0	0	30.0	27.0	55.0	114.0	40.0
Total opportunities	48.0	118.0	0	32.0	28.0	56.0	114.0	40.0
Indicator value	98.3%	98.2%	98.3%	98.4%	98.1%	98.0%	98.6%	98.6%

Licensee Comments: none

ERO Drill Participation



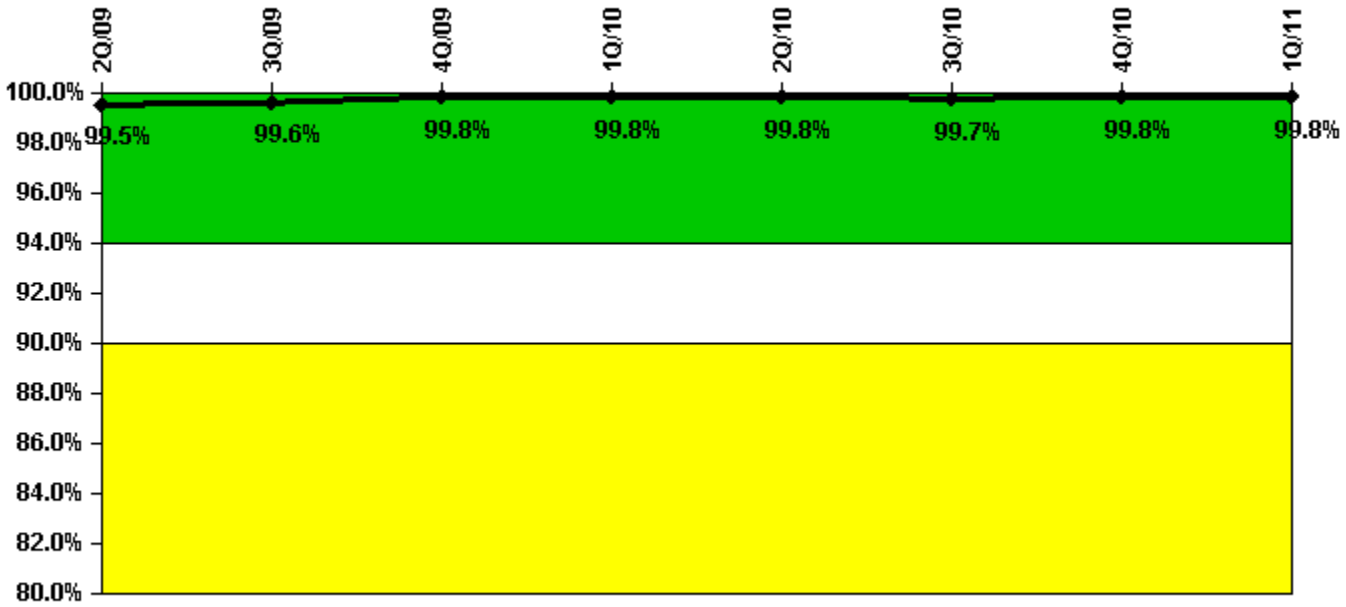
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	69.0	71.0	73.0	67.0	70.0	72.0	67.0	64.0
Total Key personnel	69.0	71.0	73.0	67.0	70.0	72.0	67.0	64.0
Indicator value	100.0%	100.0%	100.0%	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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	4463	4544	4467	3020	3058	3116	3119	3068
Total sirens-tests	4480	4550	4480	3024	3072	3120	3120	3072
Indicator value	99.5%	99.6%	99.8%	99.8%	99.8%	99.7%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



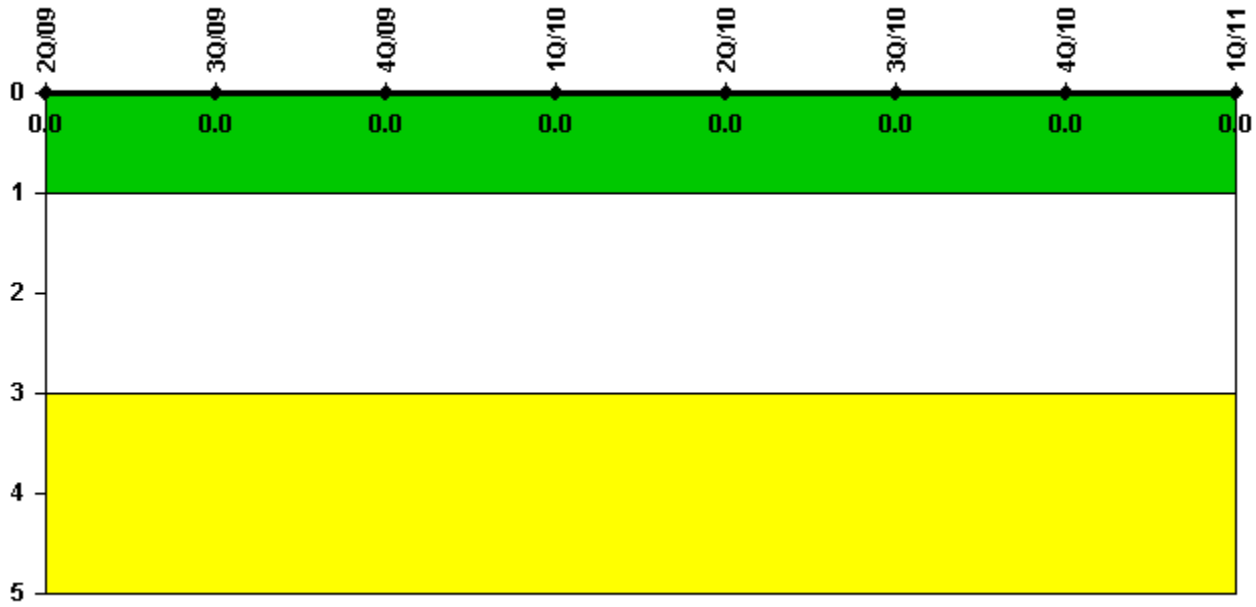
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
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.