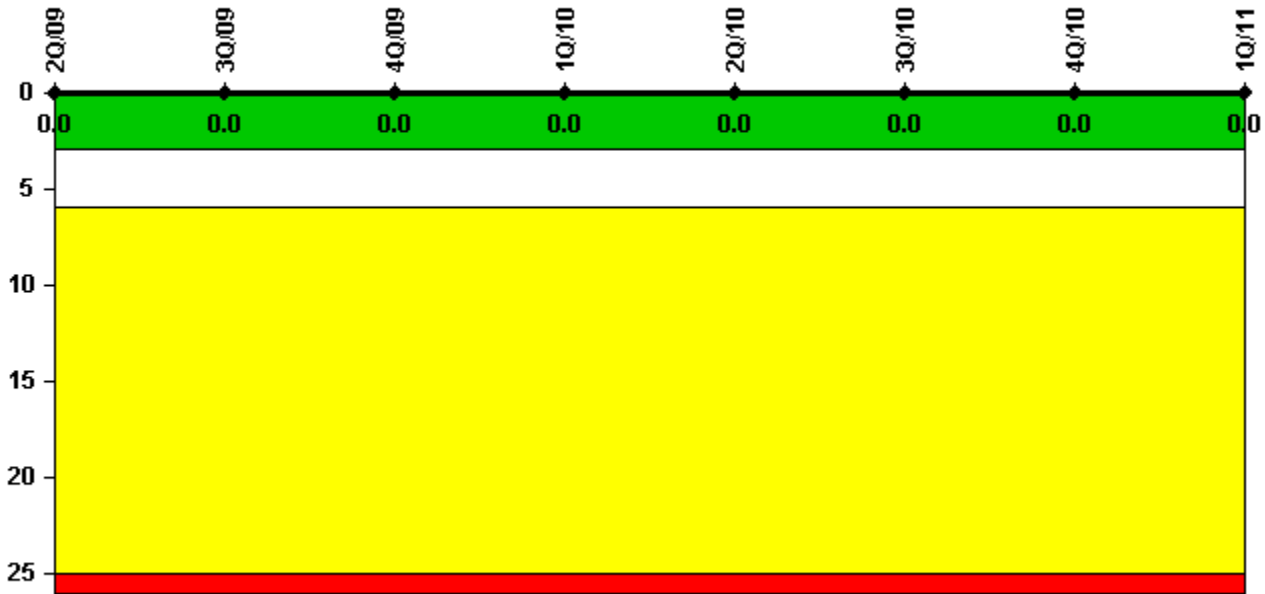


Byron 1

1Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



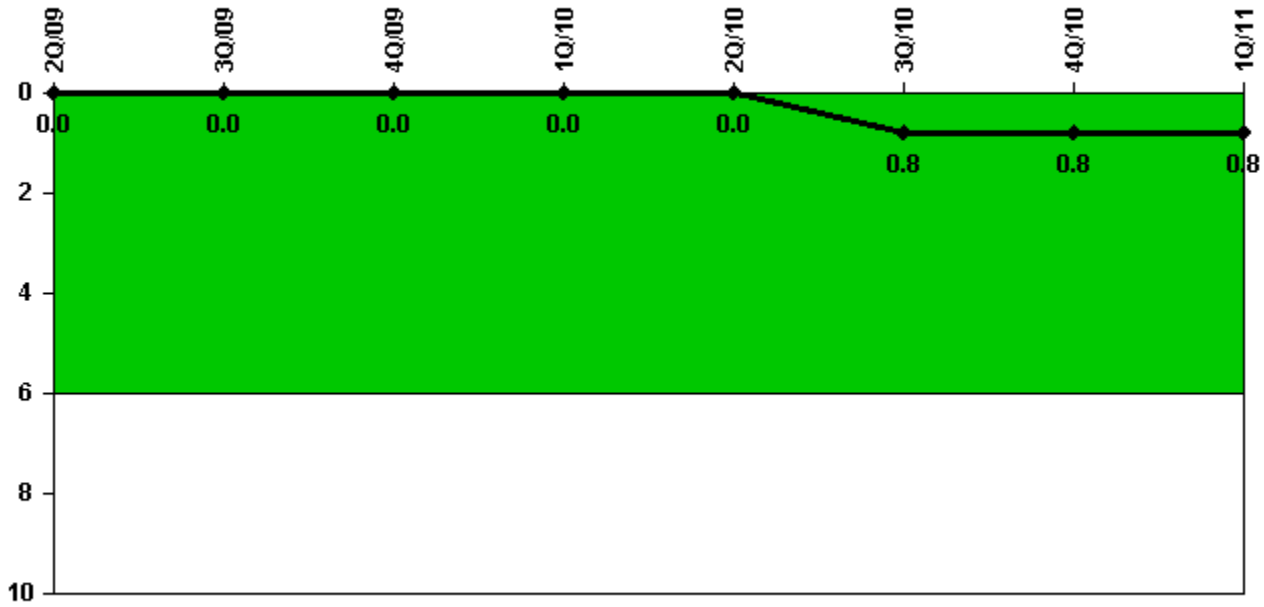
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0
Critical hours	2184.0	1799.3	2038.6	2159.0	2184.0	2208.0	2209.0	1726.0
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	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2184.0	1799.3	2038.6	2159.0	2184.0	2208.0	2209.0	1726.0
Indicator value	0	0	0	0	0	0.8	0.8	0.8

Licensee Comments: none

Unplanned Scrams with Complications



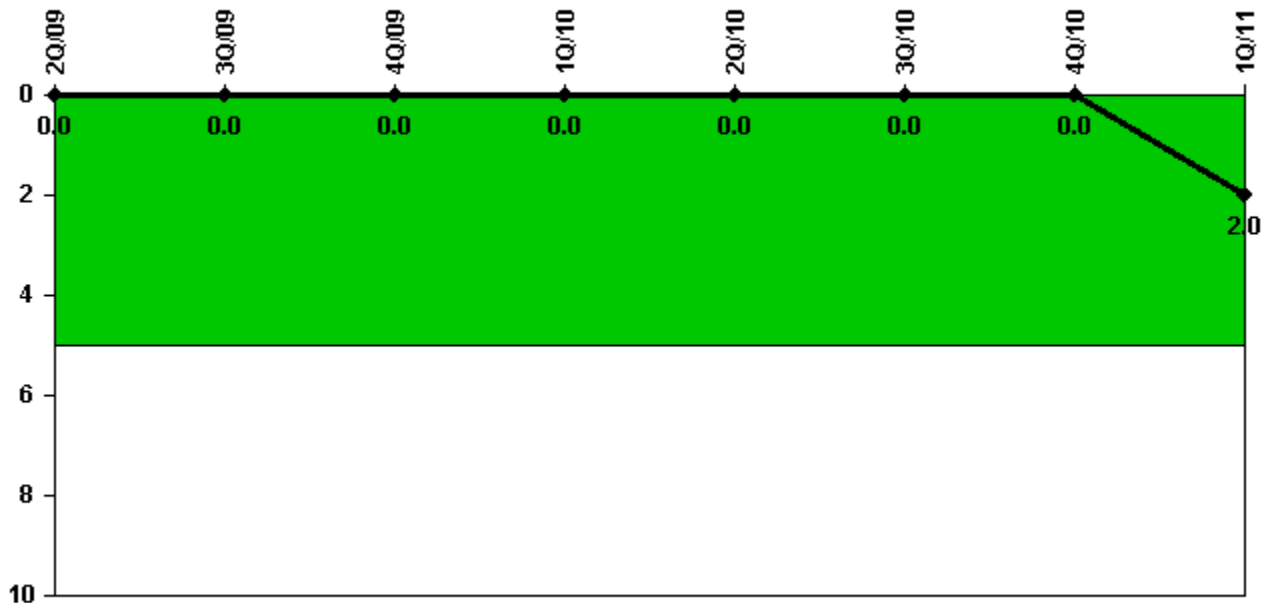
Thresholds: White > 1.0

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

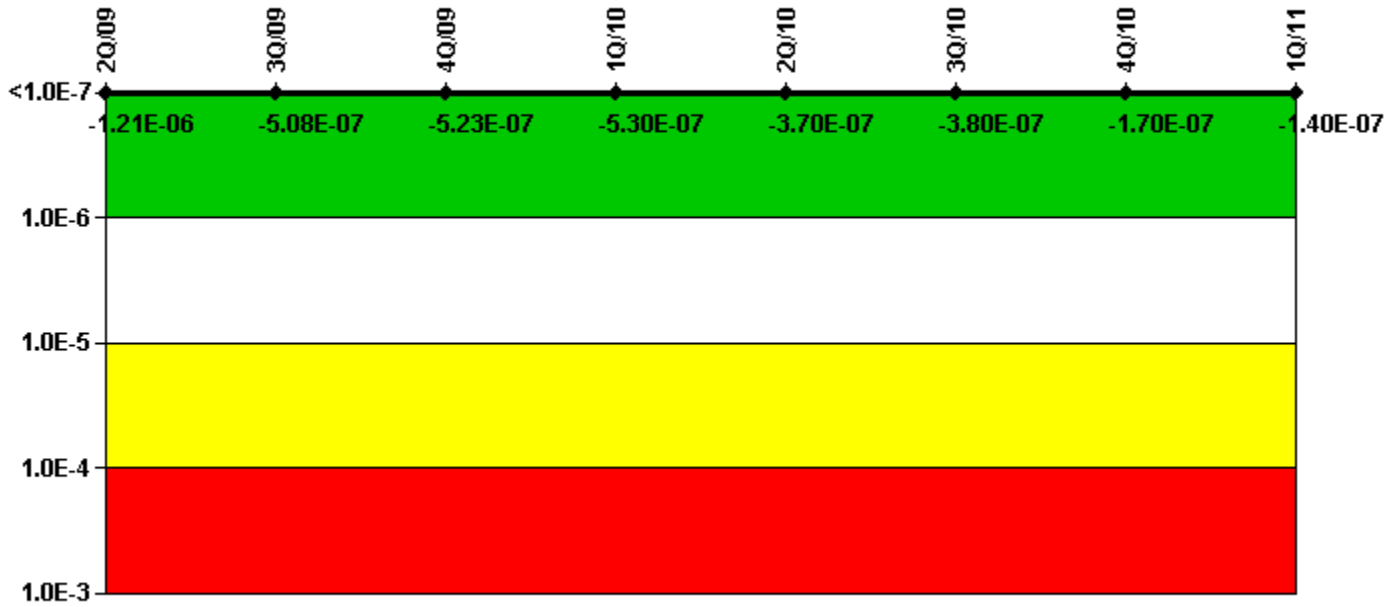
Notes

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	0	0	0	0	0	0	2
Indicator value	0	0	0	0	0	0	0	2

Licensee Comments:

1Q/11: January- LER 454-2010-001-00: Tech Spec AOT Extension Request for CC Contained Inaccurate Information. An SSFF could have occurred with the postulation of design basis assumptions. Mardh- LER 2011-001: 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

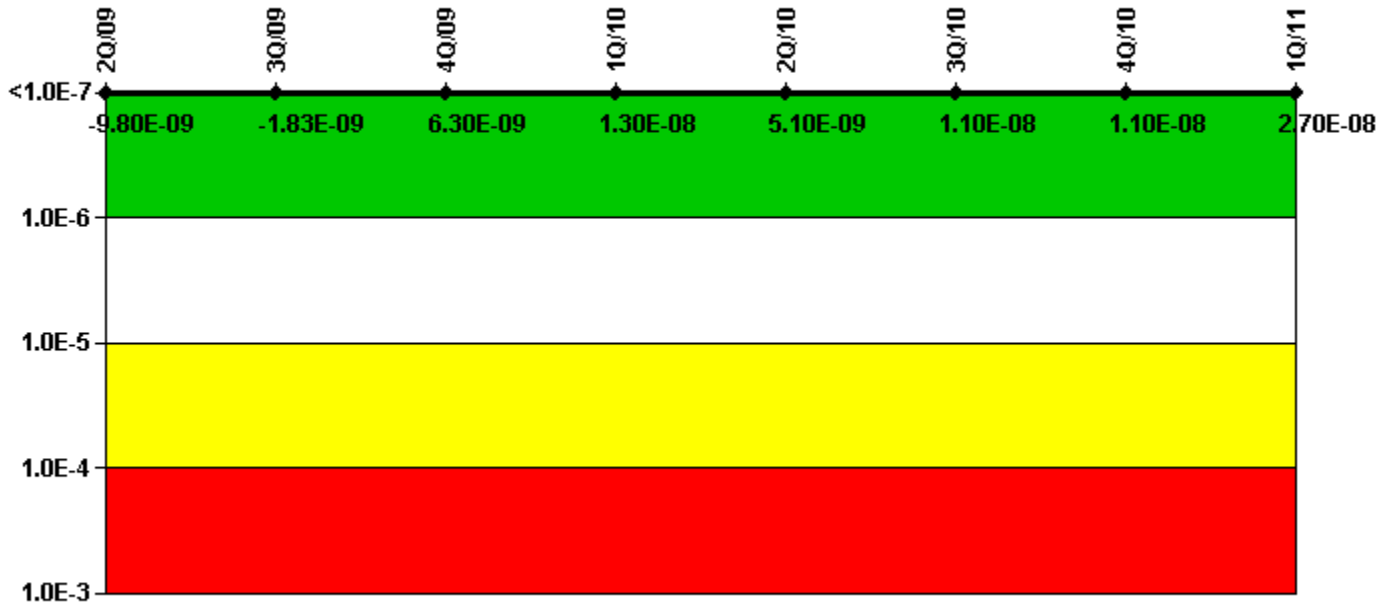
Notes

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)	8.70E-08	6.20E-08	3.70E-08	3.41E-08	3.05E-08	2.67E-08	7.32E-08	1.01E-07
URI (Δ CDF)	-1.30E-06	-5.70E-07	-5.60E-07	-5.66E-07	-4.05E-07	-4.04E-07	-2.39E-07	-2.43E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.21E-06	-5.08E-07	-5.23E-07	-5.30E-07	-3.70E-07	-3.80E-07	-1.70E-07	-1.40E-07

Licensee Comments:

1Q/11: Due to typo on paperwork, UA for 1A DG was listed for 1B. This has been corrected.

Mitigating Systems Performance Index, High Pressure Injection System



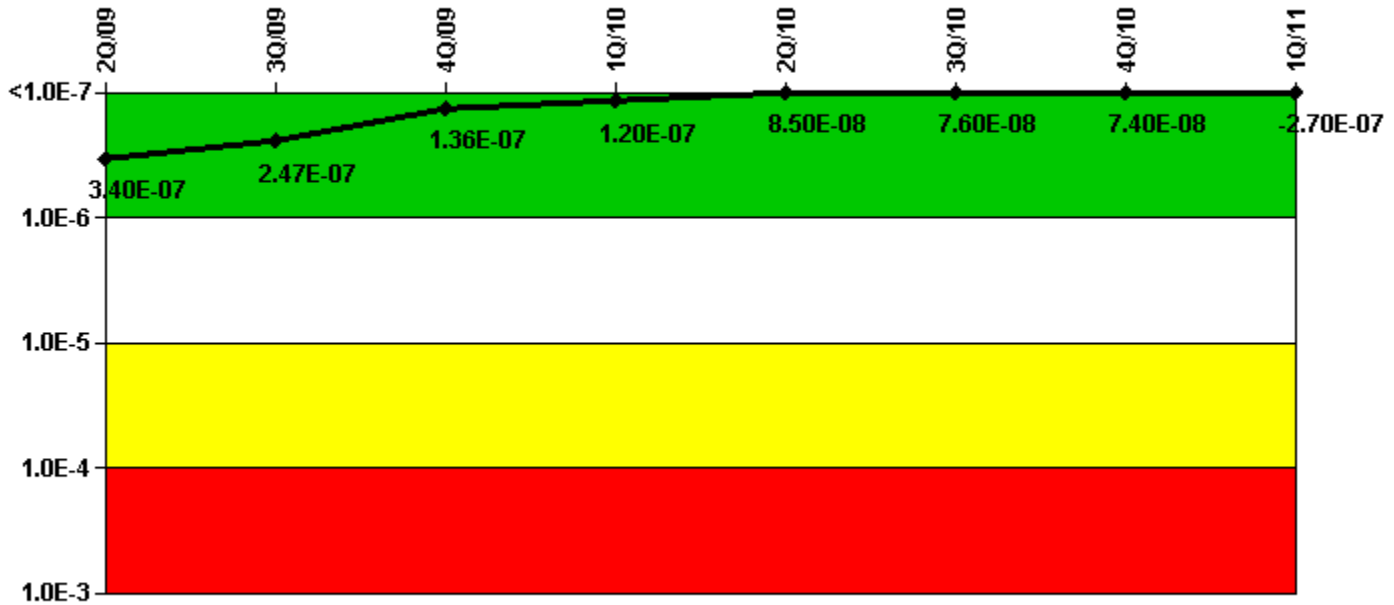
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	1.20E-09	5.70E-10	8.70E-09	1.54E-08	7.49E-09	1.38E-08	1.33E-08	2.99E-08
URI (Δ CDF)	-1.10E-08	-2.40E-09	-2.40E-09	-2.40E-09	-2.41E-09	-2.42E-09	-2.42E-09	-2.44E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.80E-09	-1.83E-09	6.30E-09	1.30E-08	5.10E-09	1.10E-08	1.10E-08	2.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



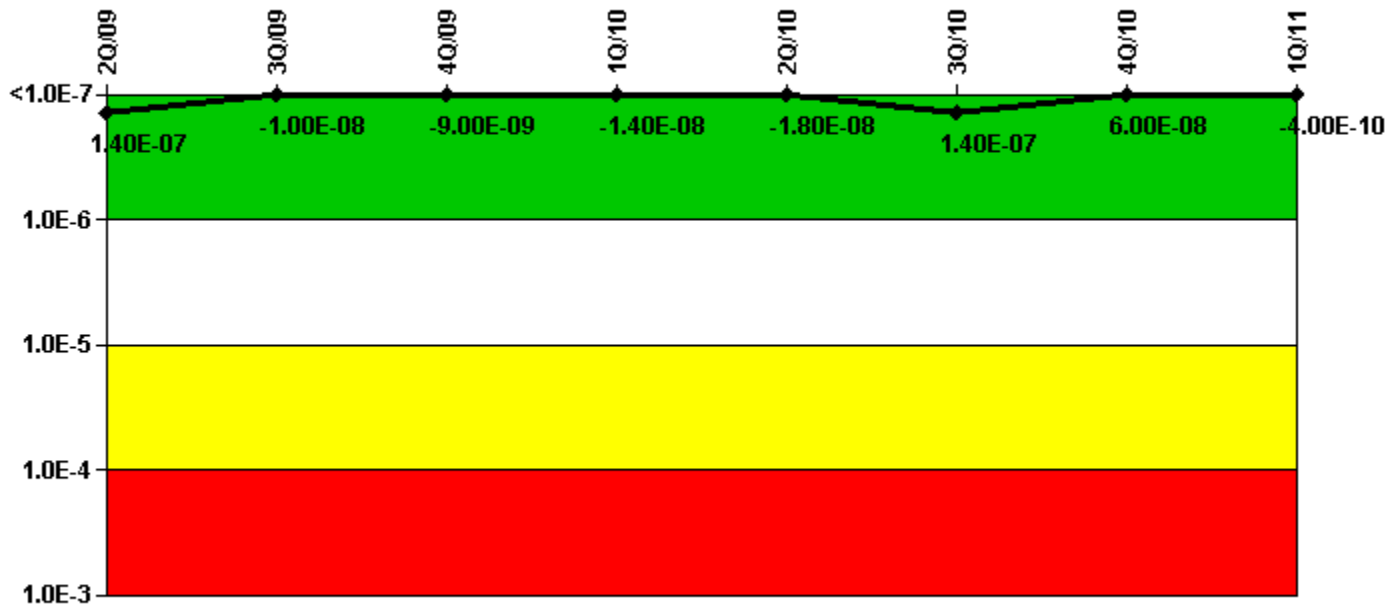
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	2.30E-07	2.00E-07	1.30E-07	1.09E-07	6.84E-08	5.84E-08	5.00E-08	-1.55E-08
URI (Δ CDF)	1.10E-07	4.70E-08	6.40E-09	1.32E-08	1.67E-08	1.74E-08	2.40E-08	-2.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.40E-07	2.47E-07	1.36E-07	1.20E-07	8.50E-08	7.60E-08	7.40E-08	-2.70E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



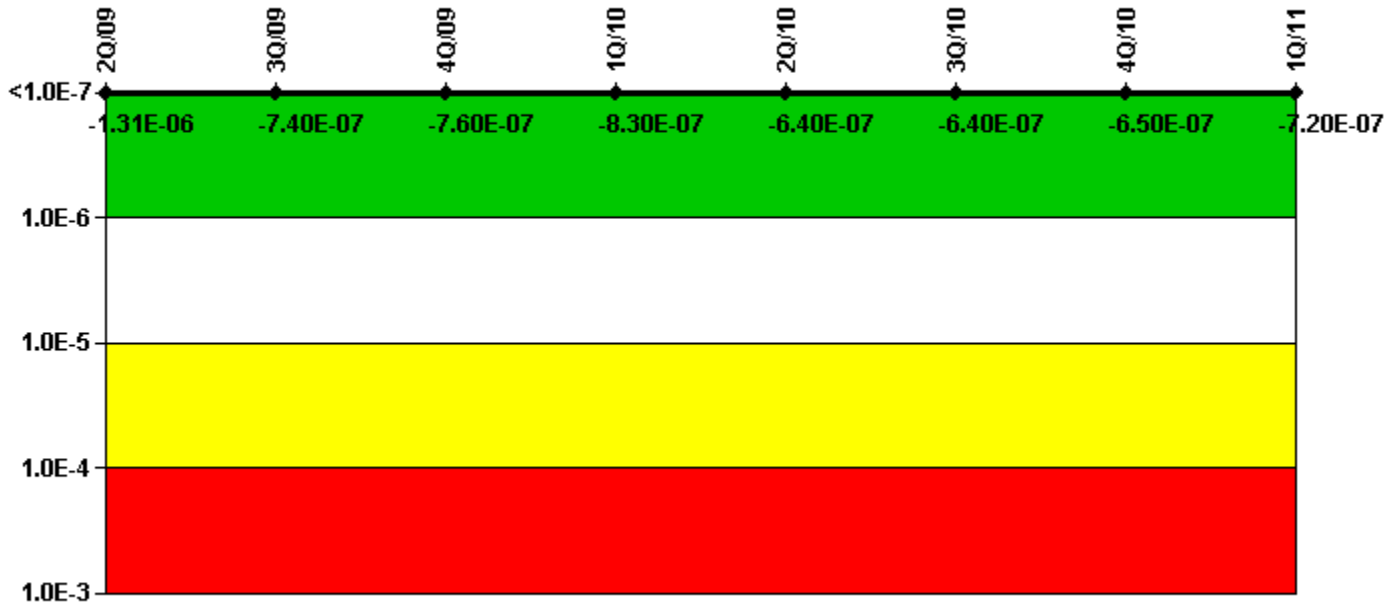
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	2.90E-07	7.50E-08	7.30E-08	7.27E-08	7.24E-08	2.29E-07	1.52E-07	9.00E-08
URI (Δ CDF)	-1.50E-07	-8.50E-08	-8.20E-08	-8.66E-08	-9.04E-08	-9.41E-08	-9.22E-08	-9.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.40E-07	-1.00E-08	-9.00E-09	-1.40E-08	-1.80E-08	1.40E-07	6.00E-08	-4.00E-10

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



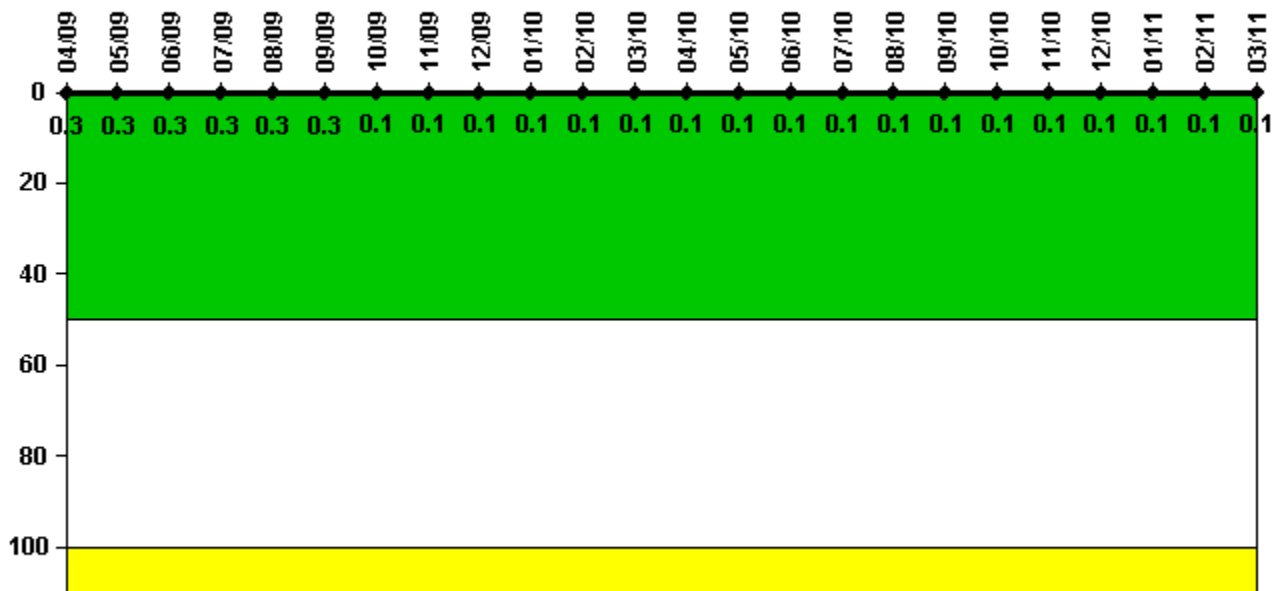
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	9.00E-08	1.50E-07	1.30E-07	6.13E-08	2.46E-07	2.45E-07	2.39E-07	1.65E-07
URI (Δ CDF)	-1.40E-06	-8.90E-07	-8.90E-07	-8.96E-07	-8.84E-07	-8.89E-07	-8.89E-07	-8.85E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.31E-06	-7.40E-07	-7.60E-07	-8.30E-07	-6.40E-07	-6.40E-07	-6.50E-07	-7.20E-07

Licensee Comments: none

Reactor Coolant System Activity



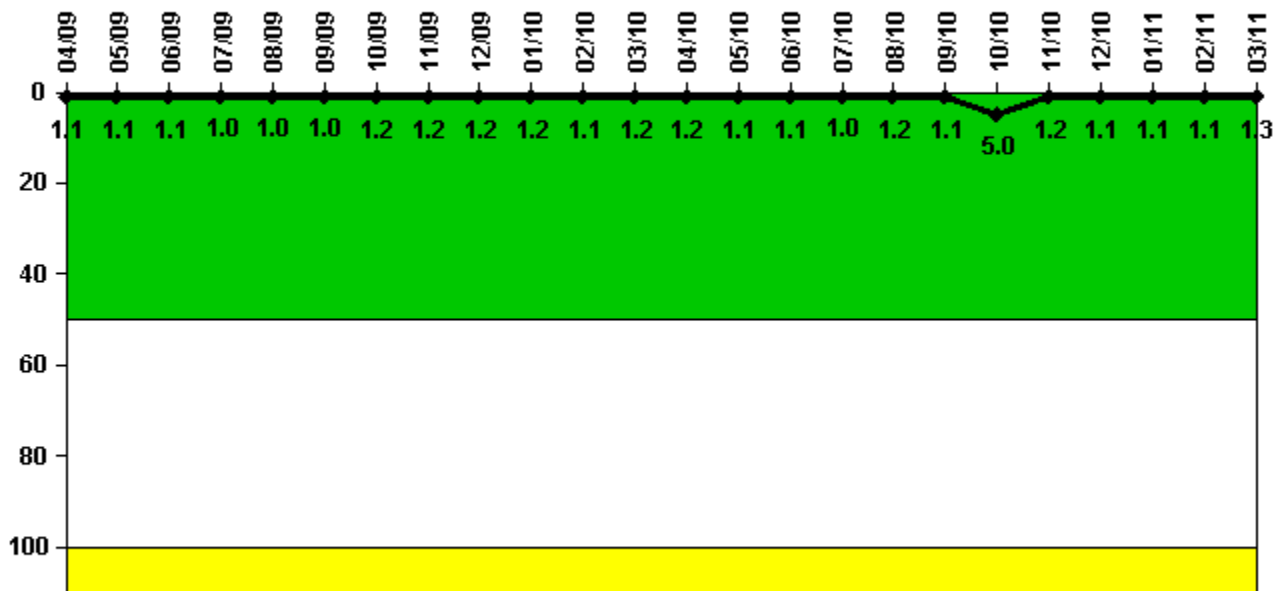
Thresholds: White > 50.0 Yellow > 100.0

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	0.002830	0.002890	0.002950	0.003040	0.003260	0.003360	0.001250	0.001090	0.000961	0.000978	0.001000	0.000614
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	0.3	0.3	0.3	0.3	0.3	0.3	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	0.000656	0.000920	0.000719	0.000736	0.000785	0.000804	0.000838	0.000873	0.000926	0.000961	0.000963	0.001380
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

Licensee Comments: none

Reactor Coolant System Leakage



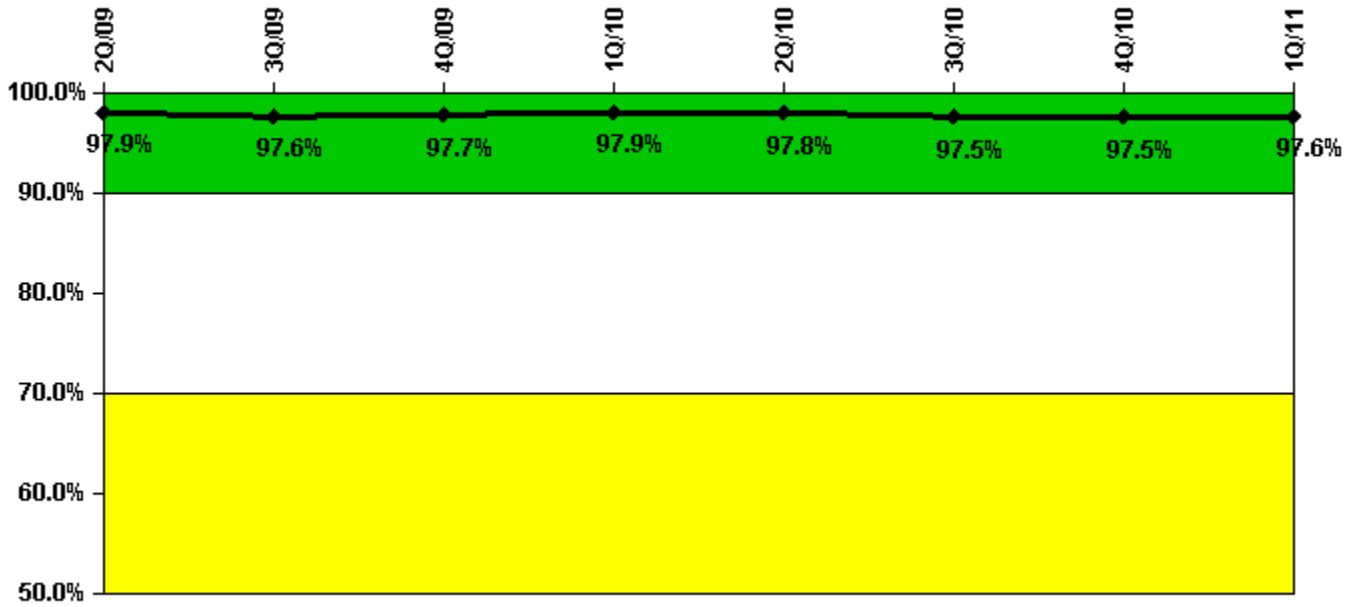
Thresholds: White > 50.0 Yellow > 100.0

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	0.109	0.108	0.108	0.103	0.100	0.100	0.120	0.120	0.120	0.120	0.110	0.120
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	1.1	1.1	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.1	1.2
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	0.120	0.110	0.110	0.100	0.120	0.110	0.500	0.120	0.110	0.110	0.110	0.130
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	1.2	1.1	1.1	1.0	1.2	1.1	5.0	1.2	1.1	1.1	1.1	1.3

Licensee Comments: none

Drill/Exercise Performance



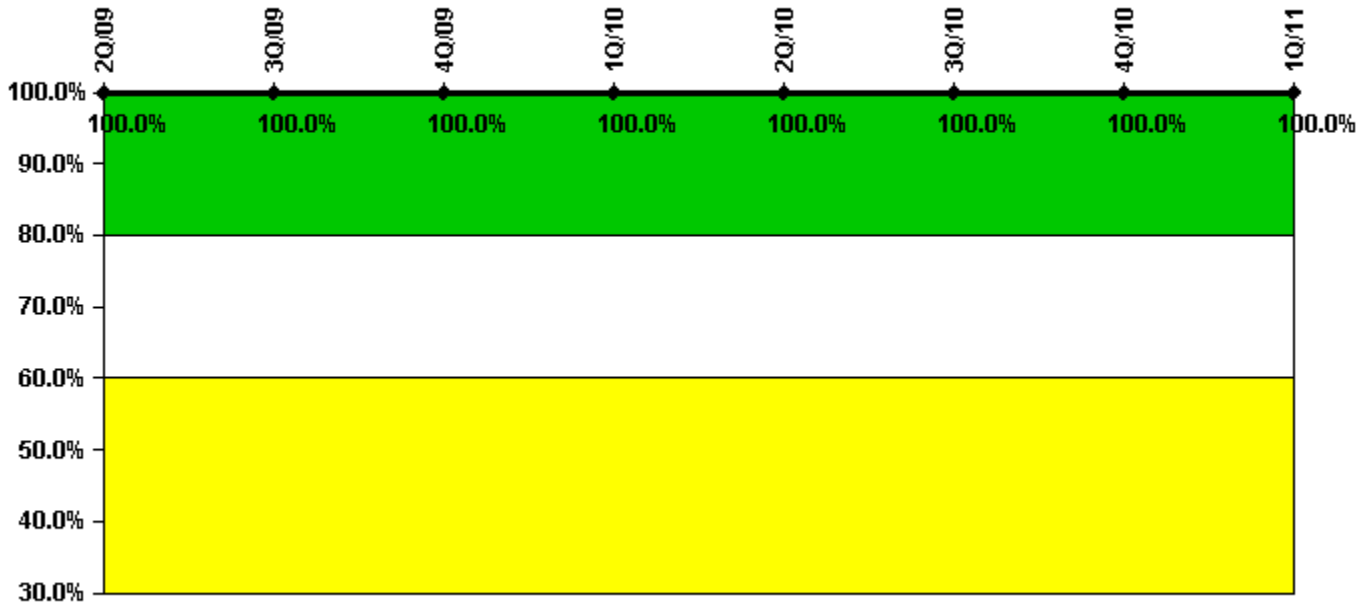
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	62.0	40.0	64.0	34.0	9.0	58.0	12.0	51.0
Total opportunities	62.0	42.0	65.0	34.0	10.0	61.0	13.0	51.0
Indicator value	97.9%	97.6%	97.7%	97.9%	97.8%	97.5%	97.5%	97.6%

Licensee Comments: none

ERO Drill Participation



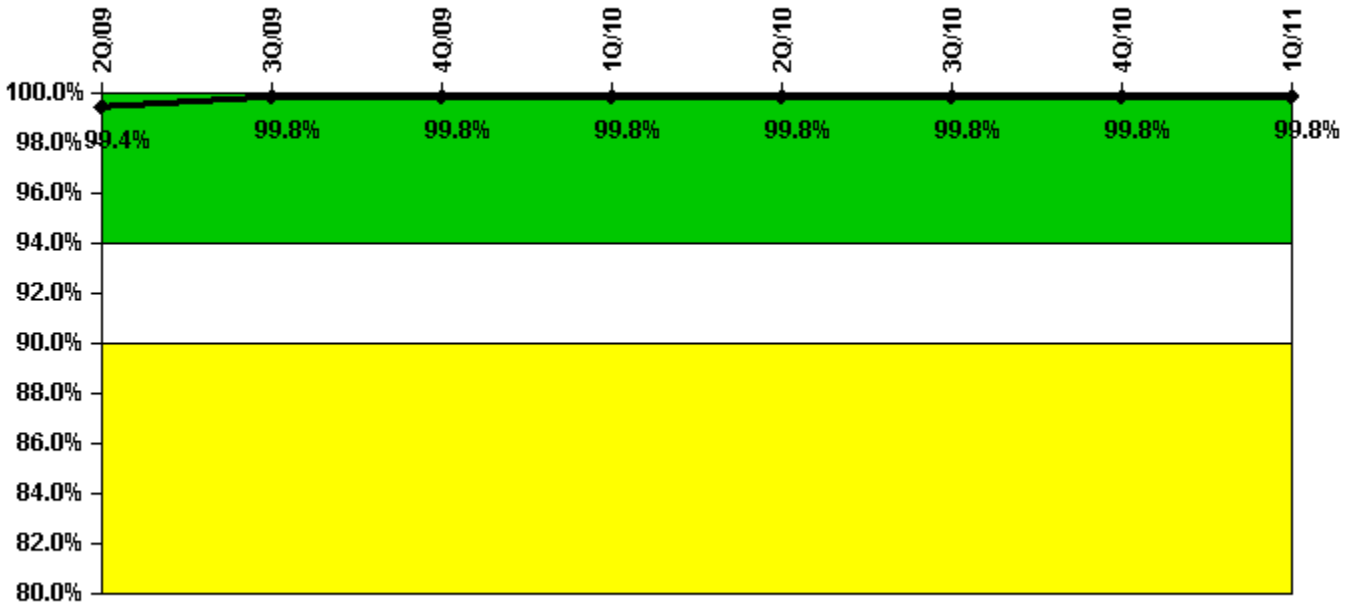
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	77.0	74.0	72.0	74.0	74.0	72.0	74.0	76.0
Total Key personnel	77.0	74.0	72.0	74.0	74.0	72.0	74.0	76.0
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	6006	6106	5998	3841	3890	3959	3956	3902
Total sirens-tests	6016	6110	6016	3843	3904	3965	3965	3904
Indicator value	99.4%	99.8%	99.8%	99.8%	99.8%	99.8%	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.