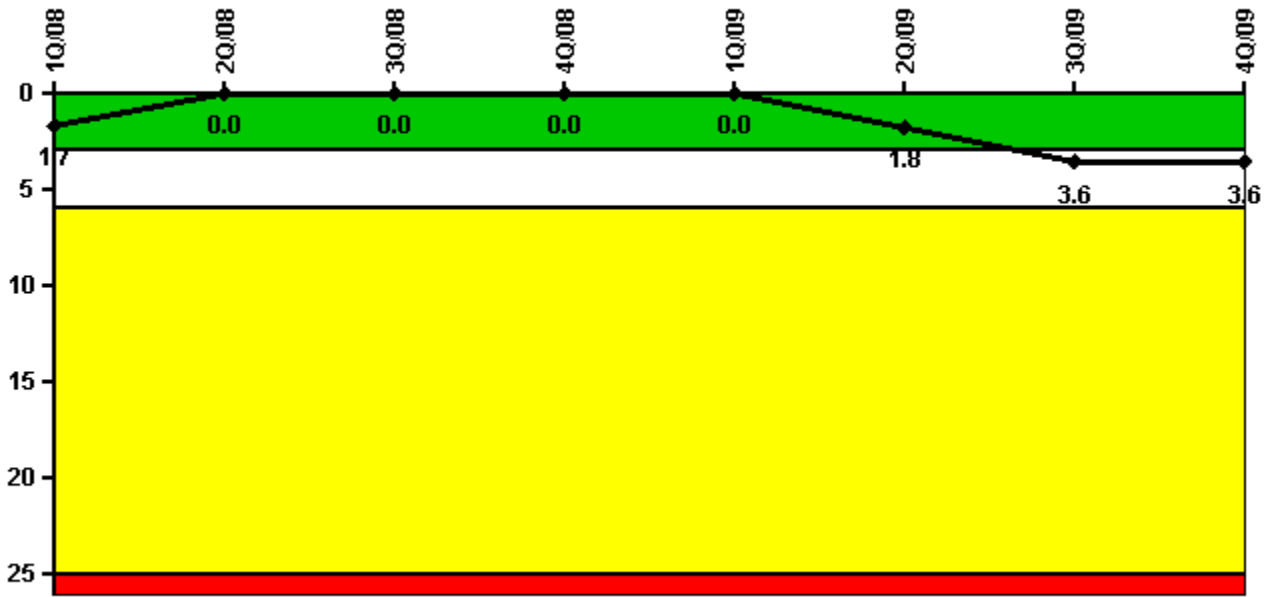


Indian Point 3

4Q/2009 Performance Indicators

Licensee's General Comments: MS05: On October 14, 2009, Operations entered TS 3.3.4 (Remote Shutdown) for an inoperable neutron flux source range detector N-38. An inoperable N-38 was determined to prevent the single train safety function 1.a of TS Table 3.3.4-1 for source range neutron flux for reactivity control. LER-2009-009 reported on December 10, 2009, a safety system functional failure due to the inoperable neutron flux detector N-38.

Unplanned Scrams per 7000 Critical Hrs



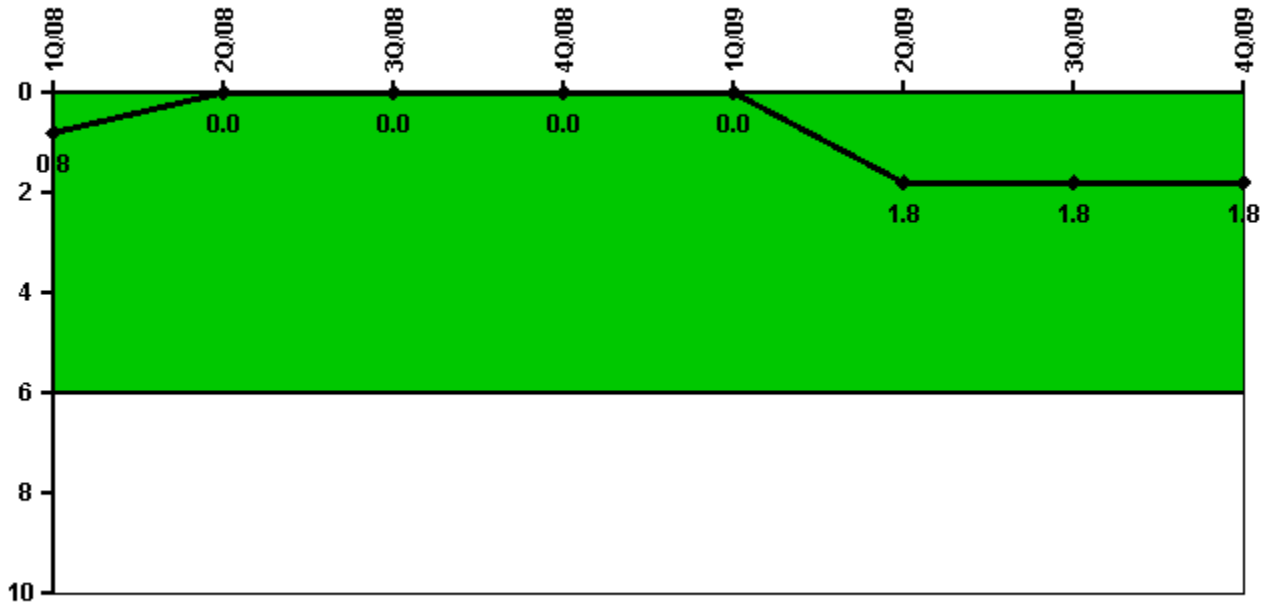
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	0	0	0	2.0	2.0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	1655.0	1714.7	2139.4	2209.0
Indicator value	1.7	0	0	0	0	1.8	3.6	3.6

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	0	0	0	0	0	2.0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	1655.0	1714.7	2139.4	2209.0
Indicator value	0.8	0	0	0	0	1.8	1.8	1.8

Licensee Comments: none

Unplanned Scrams with Complications



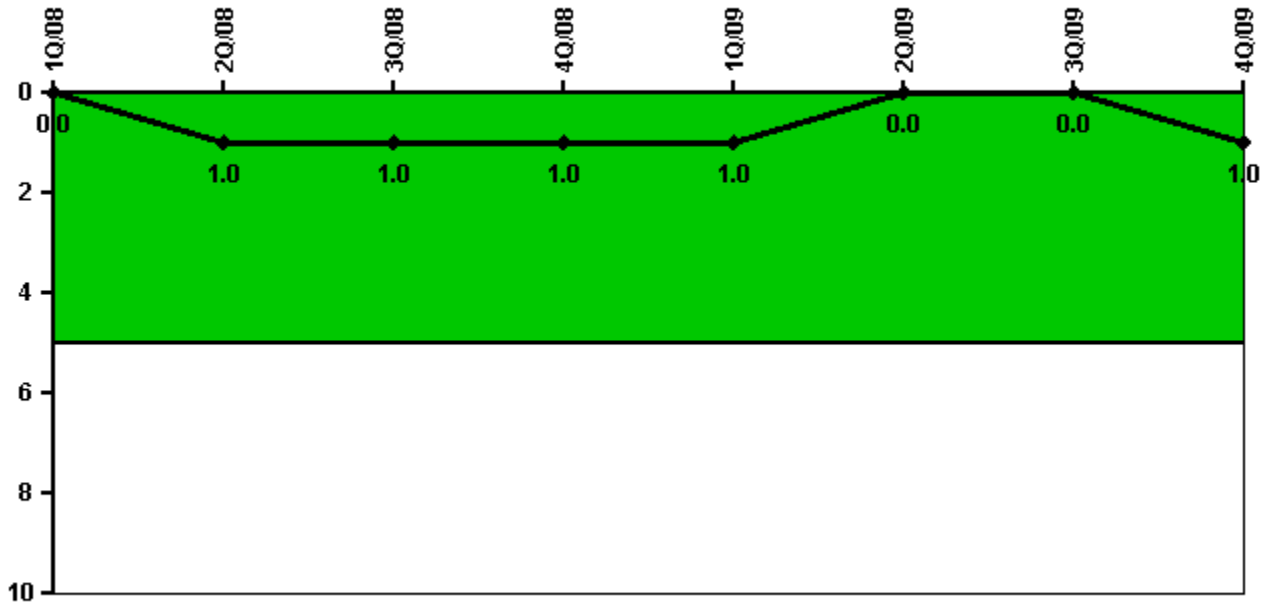
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
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)



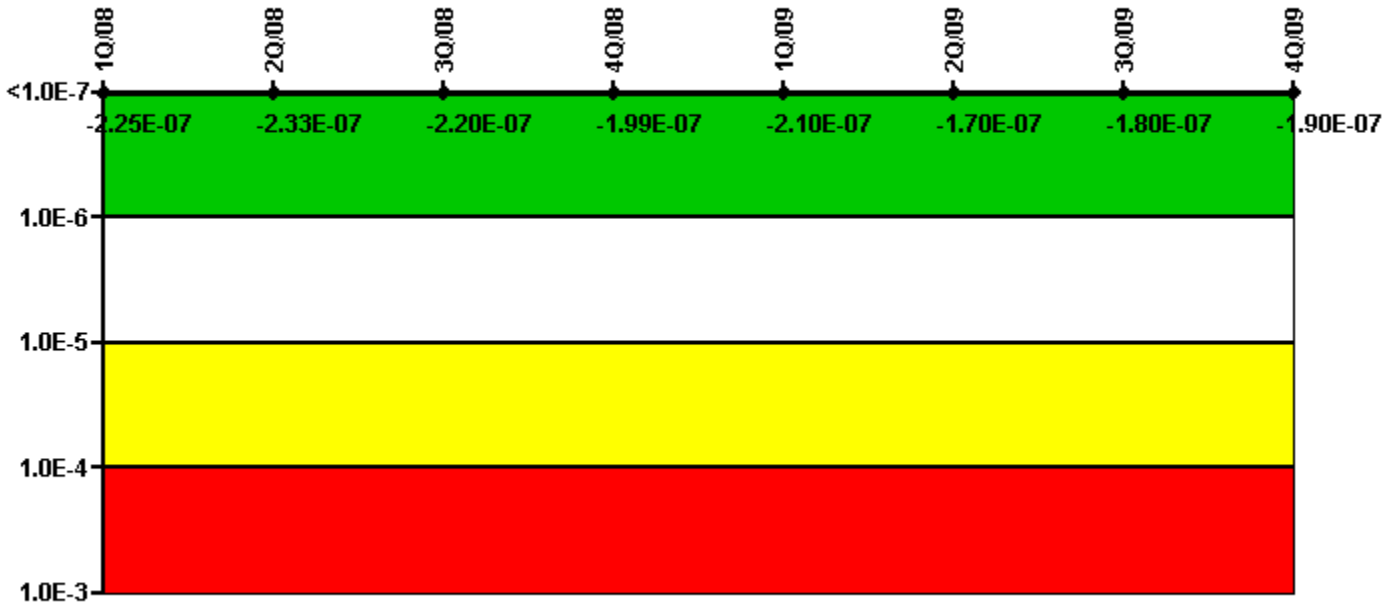
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Safety System Functional Failures	0	1	0	0	0	0	0	1
Indicator value	0	1	1	1	1	0	0	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



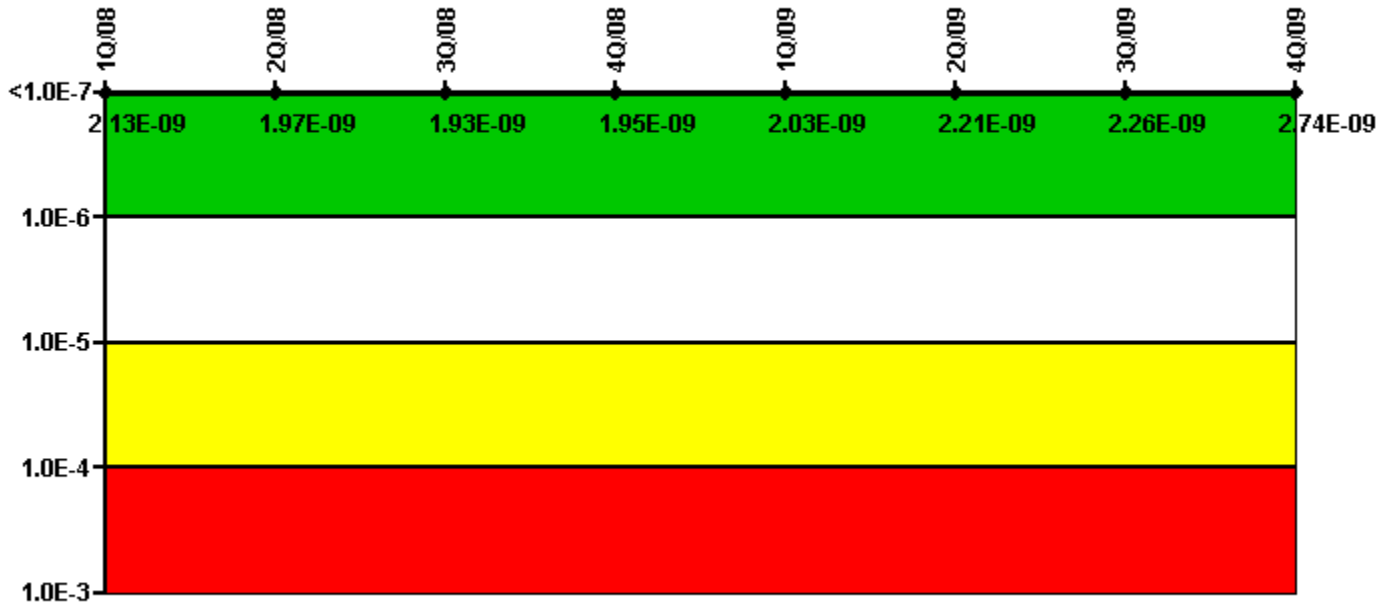
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	6.50E-08	5.70E-08	7.00E-08	9.10E-08	1.00E-07	1.40E-07	1.40E-07	1.30E-07
URI (Δ CDF)	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-3.10E-07	-3.10E-07	-3.20E-07	-3.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.25E-07	-2.33E-07	-2.20E-07	-1.99E-07	-2.10E-07	-1.70E-07	-1.80E-07	-1.90E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



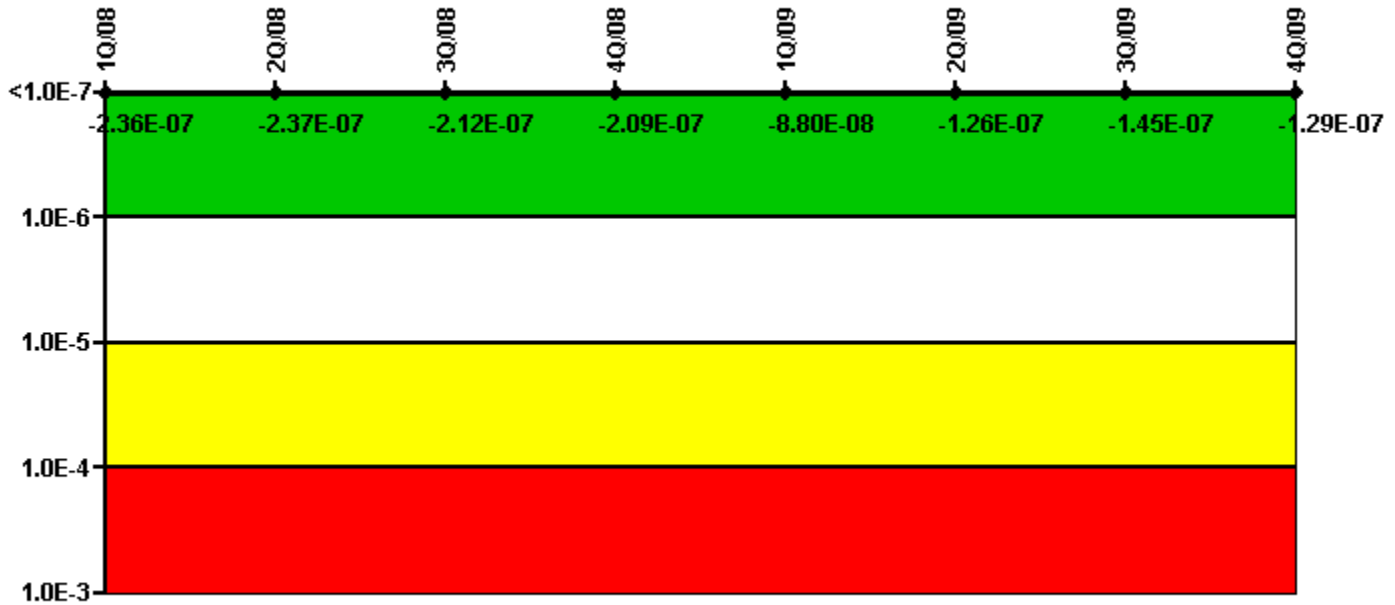
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	3.30E-10	2.70E-10	1.30E-10	5.20E-11	2.30E-10	3.10E-10	5.90E-11	1.40E-10
URI (Δ CDF)	1.80E-09	1.70E-09	1.80E-09	1.90E-09	1.80E-09	1.90E-09	2.20E-09	2.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.13E-09	1.97E-09	1.93E-09	1.95E-09	2.03E-09	2.21E-09	2.26E-09	2.74E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



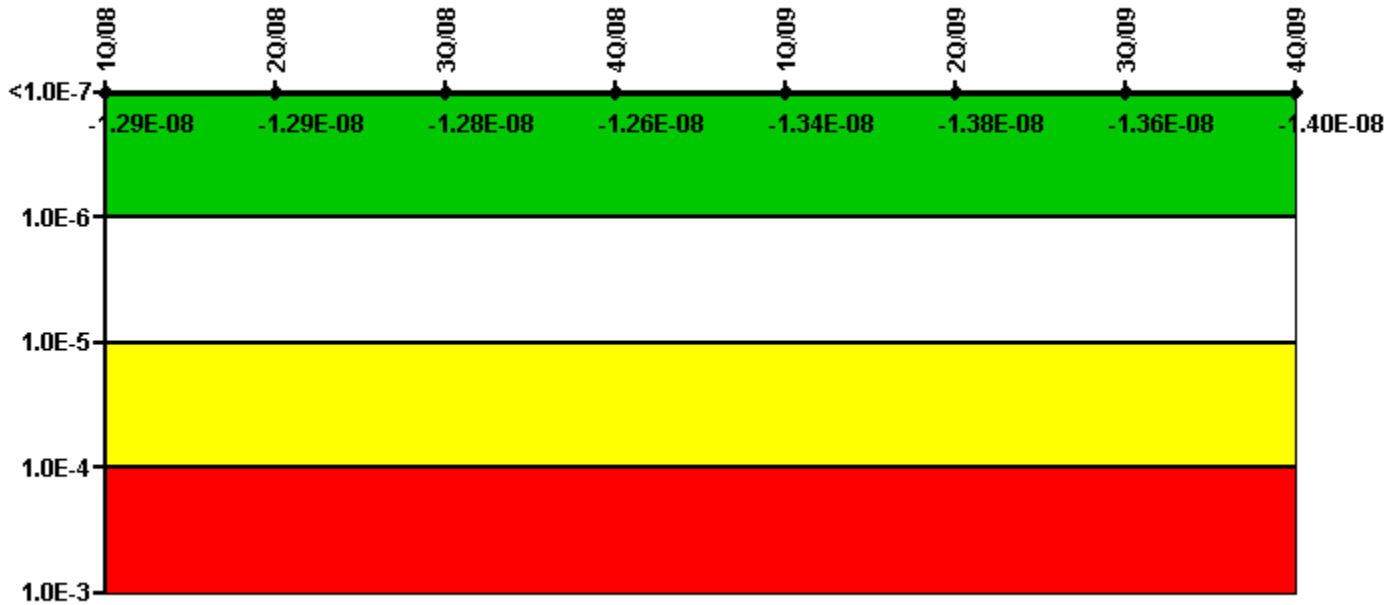
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-1.60E-08	-1.70E-08	-2.10E-09	5.40E-10	-1.10E-08	-1.60E-08	-2.50E-08	9.90E-10
URI (Δ CDF)	-2.20E-07	-2.20E-07	-2.10E-07	-2.10E-07	-7.70E-08	-1.10E-07	-1.20E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.36E-07	-2.37E-07	-2.12E-07	-2.09E-07	-8.80E-08	-1.26E-07	-1.45E-07	-1.29E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



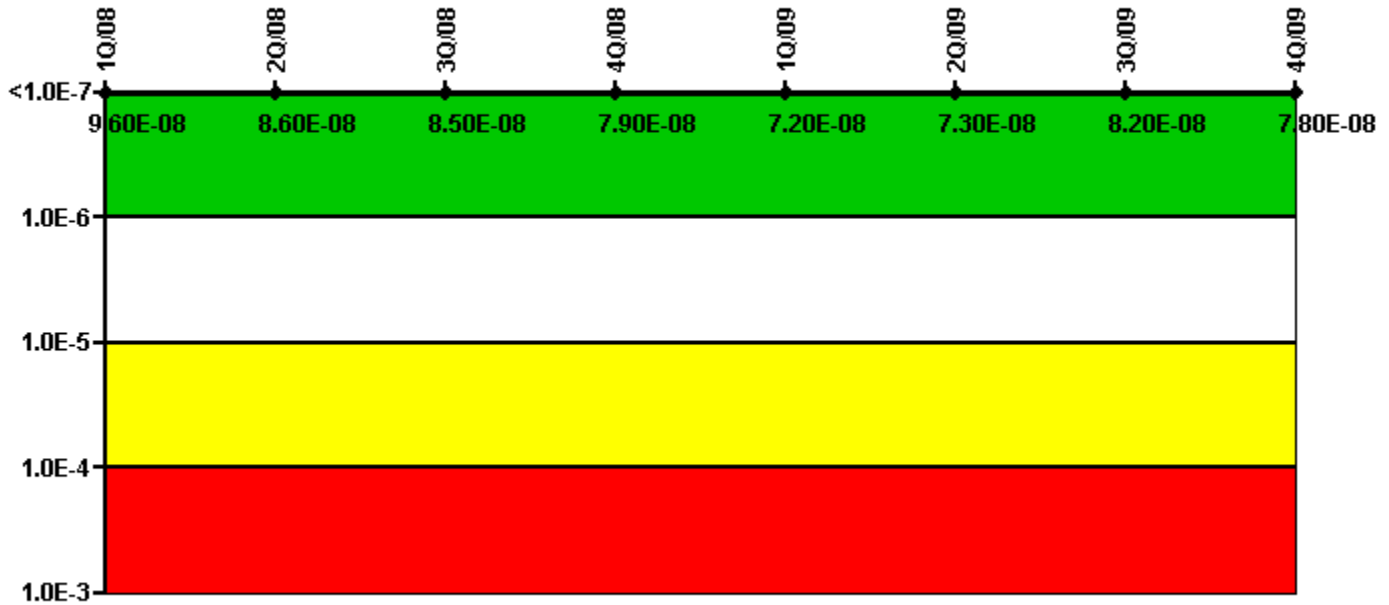
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-9.00E-09	-9.00E-09	-9.00E-09	-9.00E-09	-8.90E-09	-8.70E-09	-8.50E-09	-8.90E-09
URI (Δ CDF)	-3.90E-09	-3.90E-09	-3.80E-09	-3.60E-09	-4.50E-09	-5.10E-09	-5.10E-09	-5.10E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.29E-08	-1.29E-08	-1.28E-08	-1.26E-08	-1.34E-08	-1.38E-08	-1.36E-08	-1.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



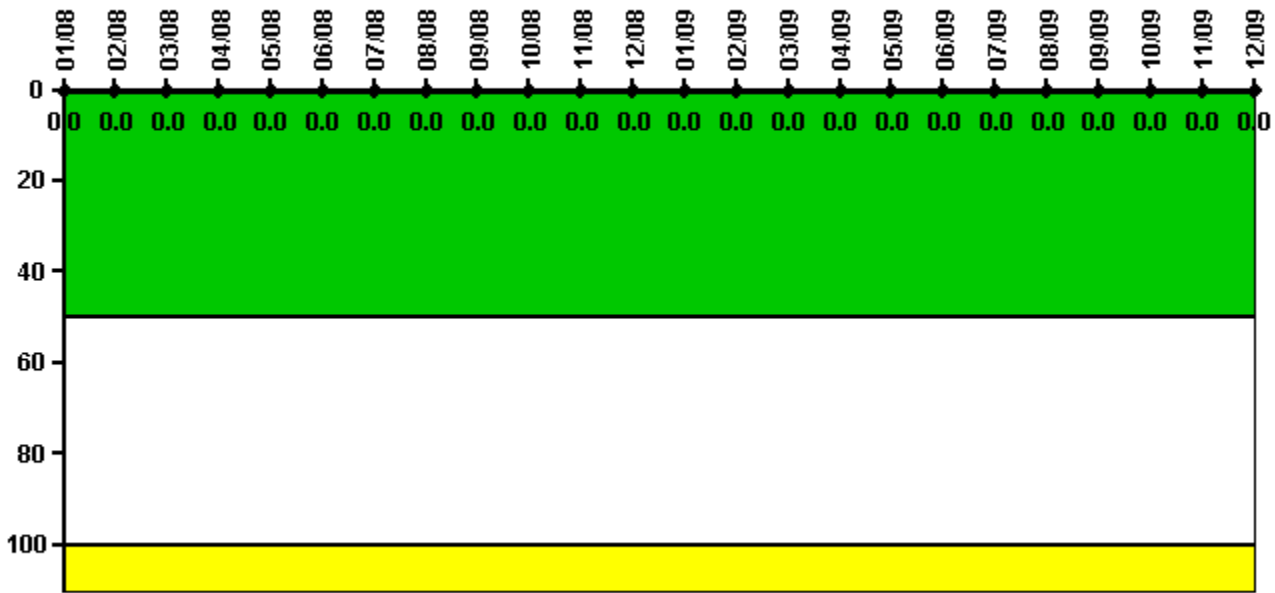
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	7.10E-08	6.10E-08	6.00E-08	5.40E-08	4.70E-08	5.10E-08	6.00E-08	5.60E-08
URI (Δ CDF)	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.20E-08	2.20E-08	2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.60E-08	8.60E-08	8.50E-08	7.90E-08	7.20E-08	7.30E-08	8.20E-08	7.80E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.000157	0.000172	0.000197	0.000216	0.000397	0.000227	0.000257	0.000236	0.000228	0.000215	0.000236	0.000239
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
Reactor Coolant System Activity	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.000237	0.000248	0.000231	0.000145	0.000127	0.000124	0.000151	0.000153	0.000157	0.000171	0.000173	0.000194
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: none

Reactor Coolant System Leakage



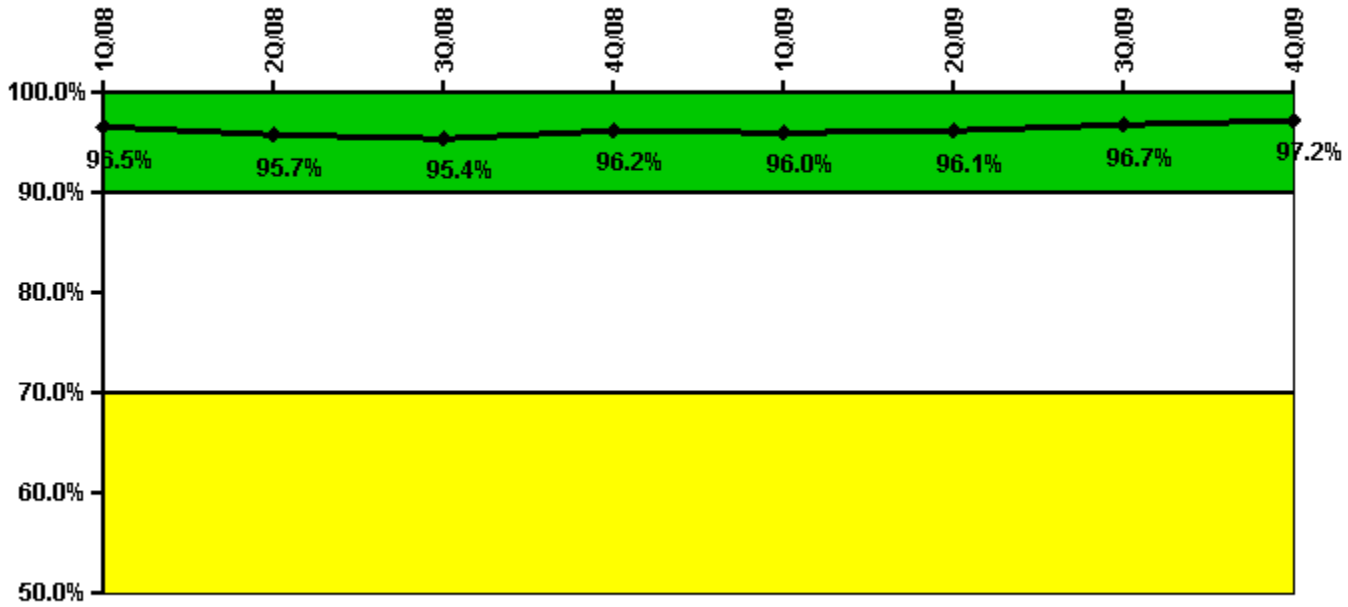
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	0.030	0.020	0.030	0.020	0.020	0.030	0.030	0.020	0.030	0.030	0.010	0.020
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	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.1	0.2
Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	0.020	0.020	0.020	0.020	0.040	0.050	0.050	0.040	0.010	0.010	0.010	0.020
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	0.2	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.1	0.1	0.1	0.2

Licensee Comments: none

Drill/Exercise Performance



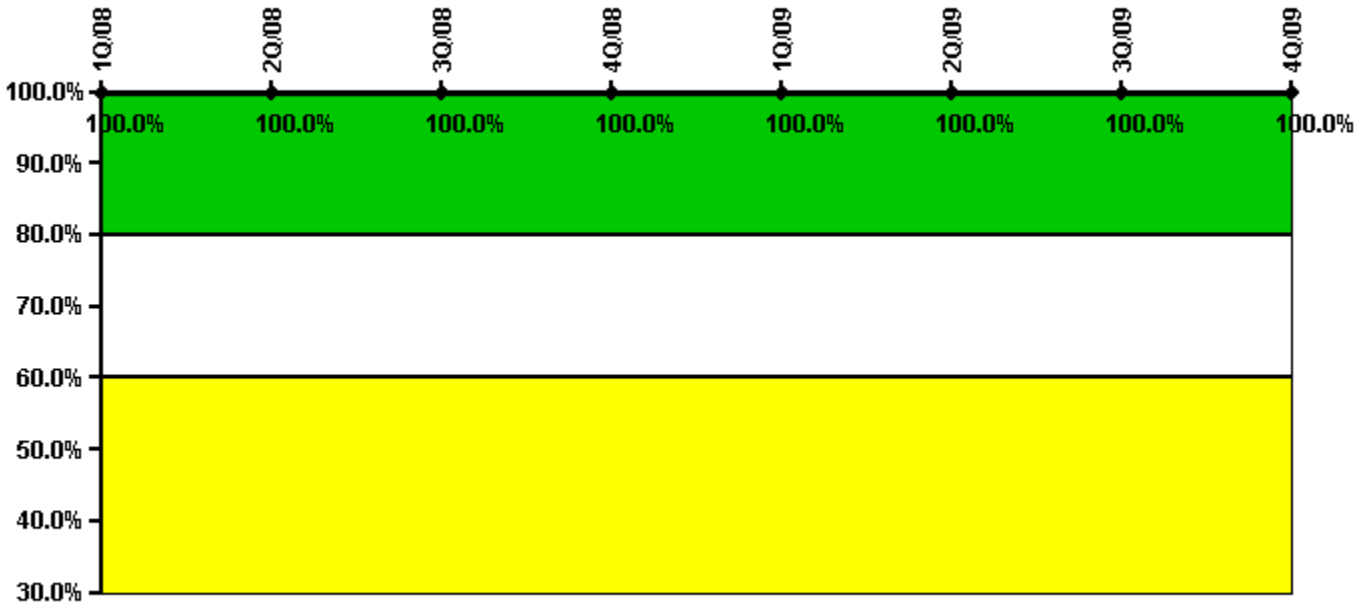
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	28.0	50.0	90.0	74.0	22.0	38.0	95.0	62.0
Total opportunities	28.0	54.0	92.0	76.0	24.0	38.0	96.0	64.0
Indicator value	96.5%	95.7%	95.4%	96.2%	96.0%	96.1%	96.7%	97.2%

Licensee Comments: none

ERO Drill Participation



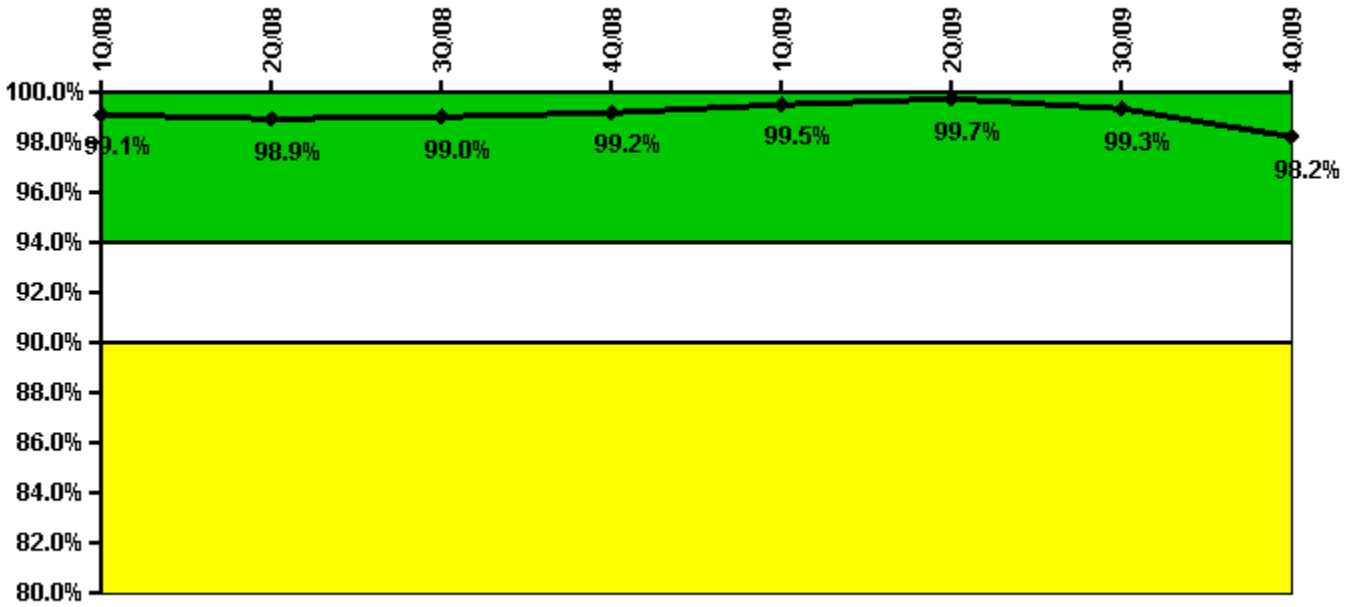
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	114.0	99.0	94.0	93.0	94.0	98.0	100.0	103.0
Total Key personnel	114.0	99.0	94.0	93.0	94.0	98.0	100.0	103.0
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	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	786	627	486	1220	1156	1200	1159	1105
Total sirens-tests	793	637	488	1225	1158	1204	1181	1163
Indicator value	99.1%	98.9%	99.0%	99.2%	99.5%	99.7%	99.3%	98.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

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