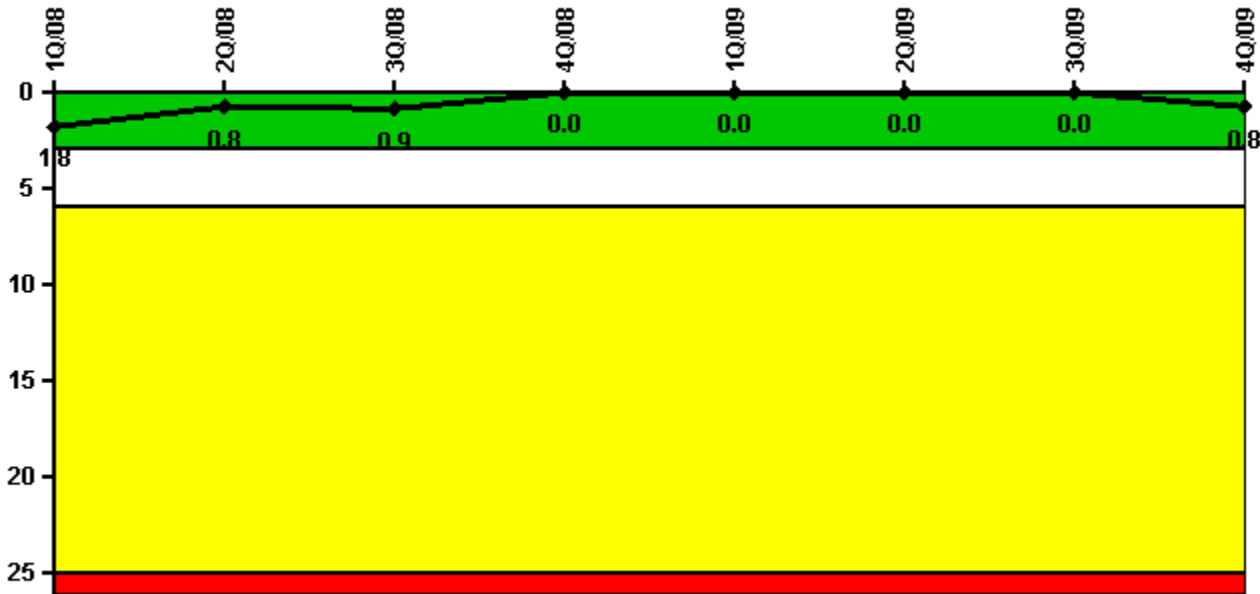


North Anna 2

4Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

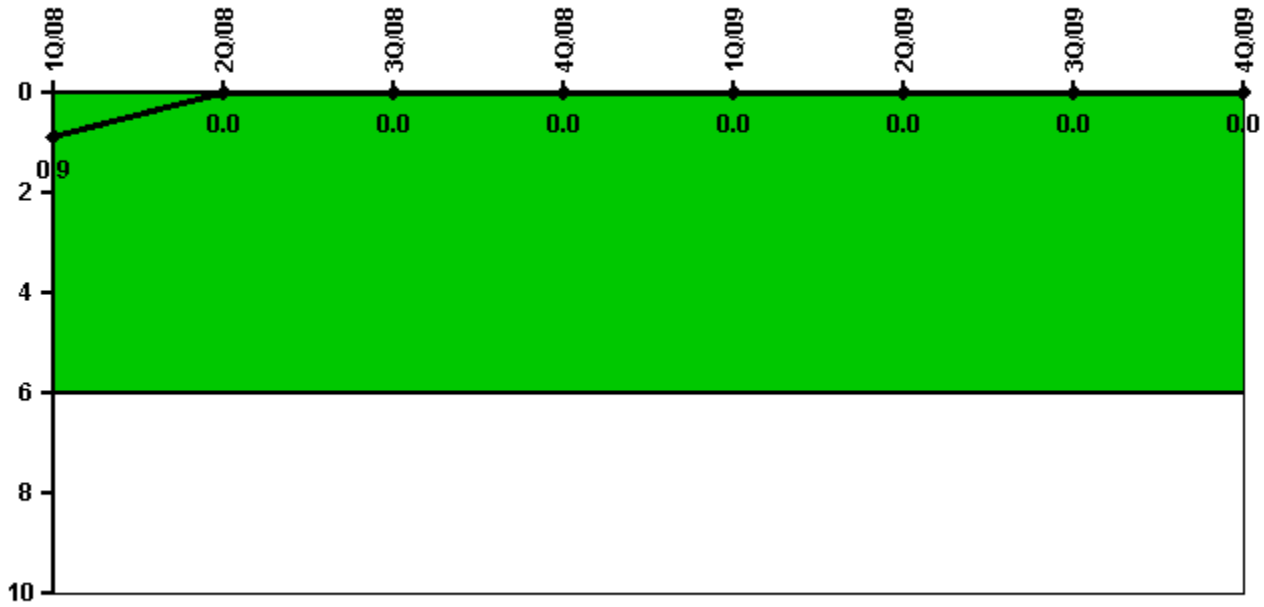
Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	1982.9	2184.0	1801.0	1277.7	2159.0	2184.0	2208.0	2147.3
Indicator value	1.8	0.8	0.9	0	0	0	0	0.8

Licensee Comments:

4Q/09: Unit 2 automatic trip due to loss of "C" RSS transformer

Unplanned Power Changes per 7000 Critical Hrs



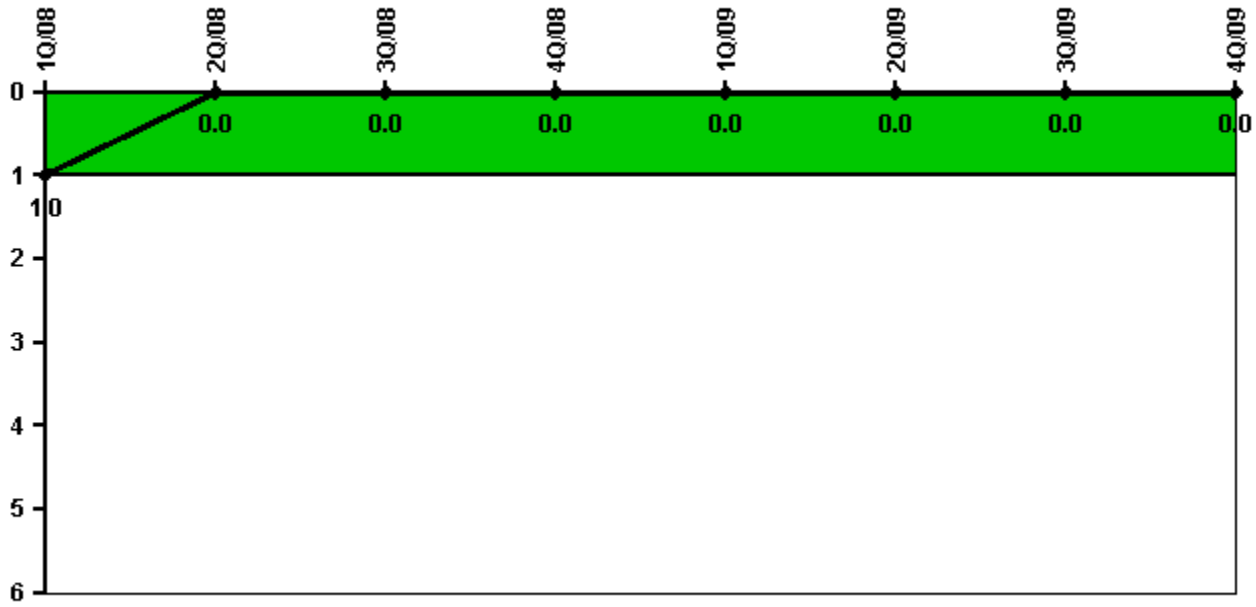
Thresholds: White > 6.0

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	0	0	0
Critical hours	1982.9	2184.0	1801.0	1277.7	2159.0	2184.0	2208.0	2147.3
Indicator value	0.9	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



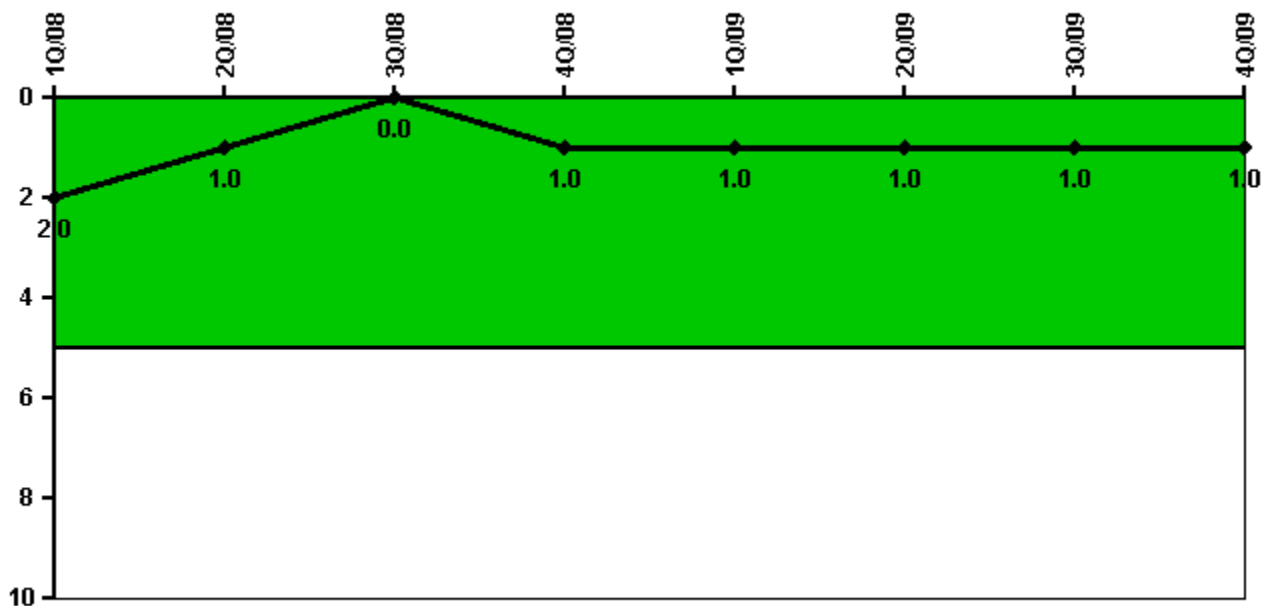
Thresholds: White > 1.0

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	1.0	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

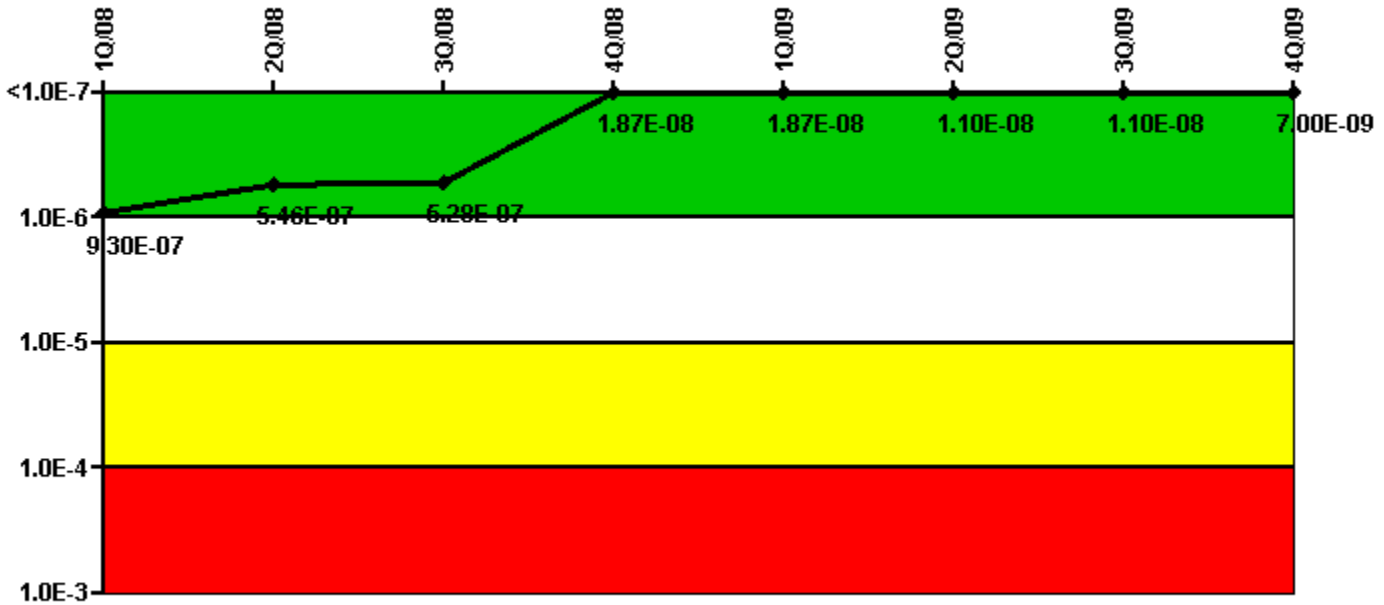
Notes

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	0	0	1	0	0	0	1
Indicator value	2	1	0	1	1	1	1	1

Licensee Comments:

4Q/09: LER 50-338/2009-001-00 Missile shield door for Service Water Valve House would not have performed its design function during a design basis tornado event. LER is applicable to both units. SSFF (LER - both trains of Safety Injection inoperable) reported in December 2008 dropped off the PI summary report after 4 quarters of data.

Mitigating Systems Performance Index, Emergency AC Power System



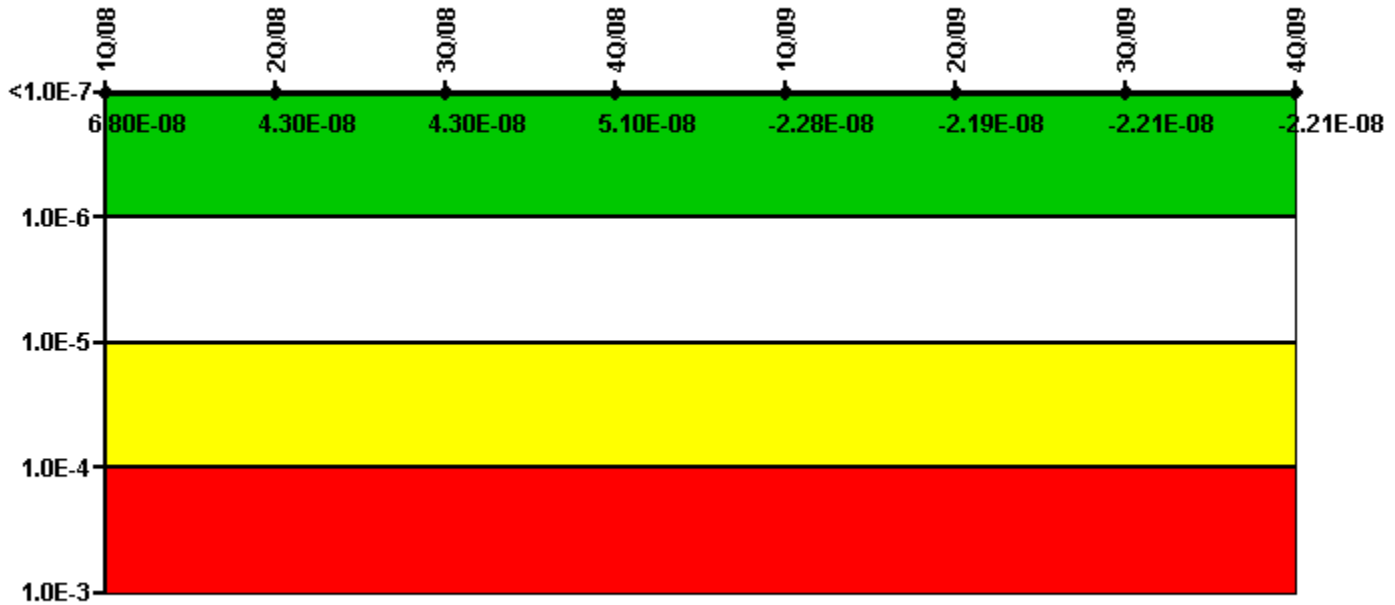
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	2.00E-08	4.60E-08	2.80E-08	2.30E-08	2.30E-08	2.40E-08	2.40E-08	2.40E-08
URI (ΔCDF)	9.10E-07	5.00E-07	5.00E-07	-4.30E-09	-4.30E-09	-1.30E-08	-1.30E-08	-1.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.30E-07	5.46E-07	5.28E-07	1.87E-08	1.87E-08	1.10E-08	1.10E-08	7.00E-09

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



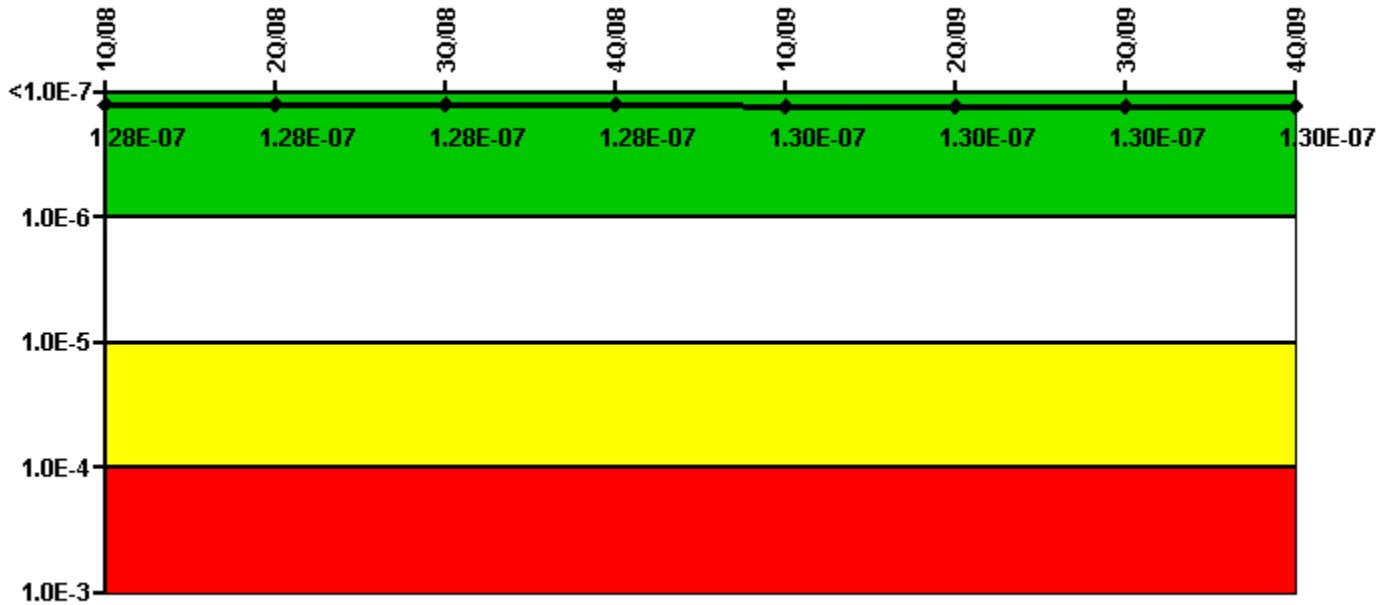
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.20E-08	-2.10E-08	-2.10E-08	-2.10E-08
URI (Δ CDF)	8.90E-08	6.40E-08	6.40E-08	7.20E-08	-8.20E-10	-9.40E-10	-1.10E-09	-1.10E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.80E-08	4.30E-08	4.30E-08	5.10E-08	-2.28E-08	-2.19E-08	-2.21E-08	-2.21E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



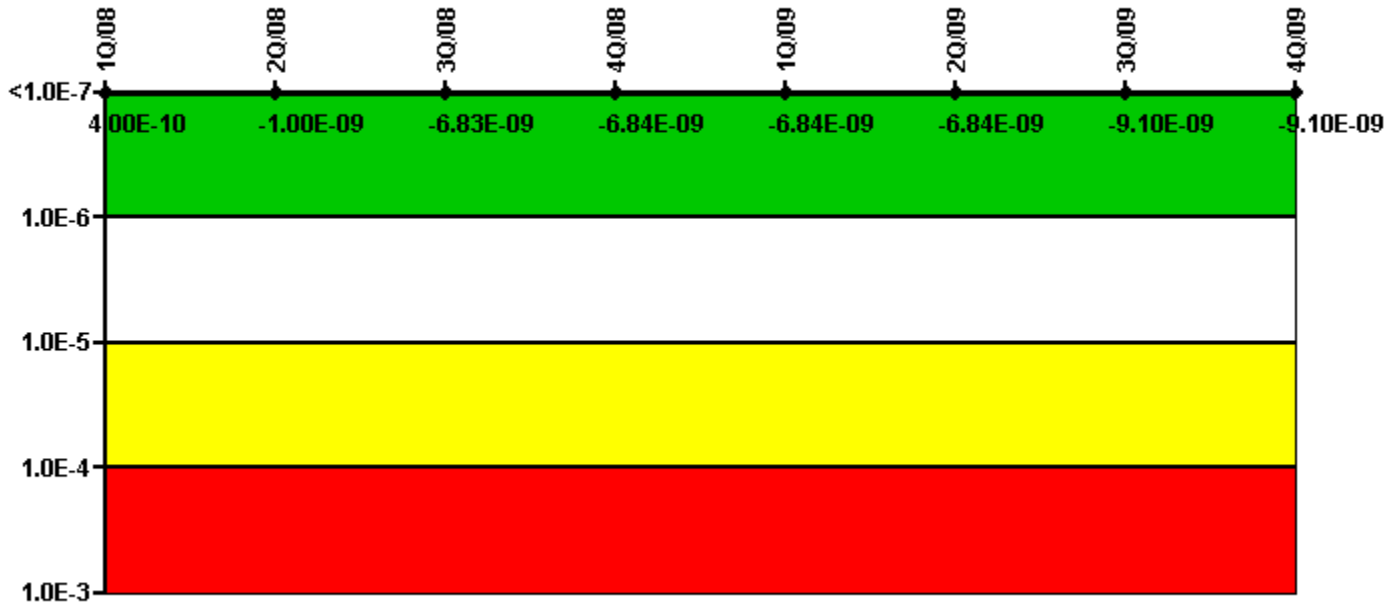
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.00E-08
URI (Δ CDF)	1.50E-07	1.50E-07	1.50E-07	1.50E-07	1.50E-07	1.50E-07	1.50E-07	1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.28E-07	1.28E-07	1.28E-07	1.28E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



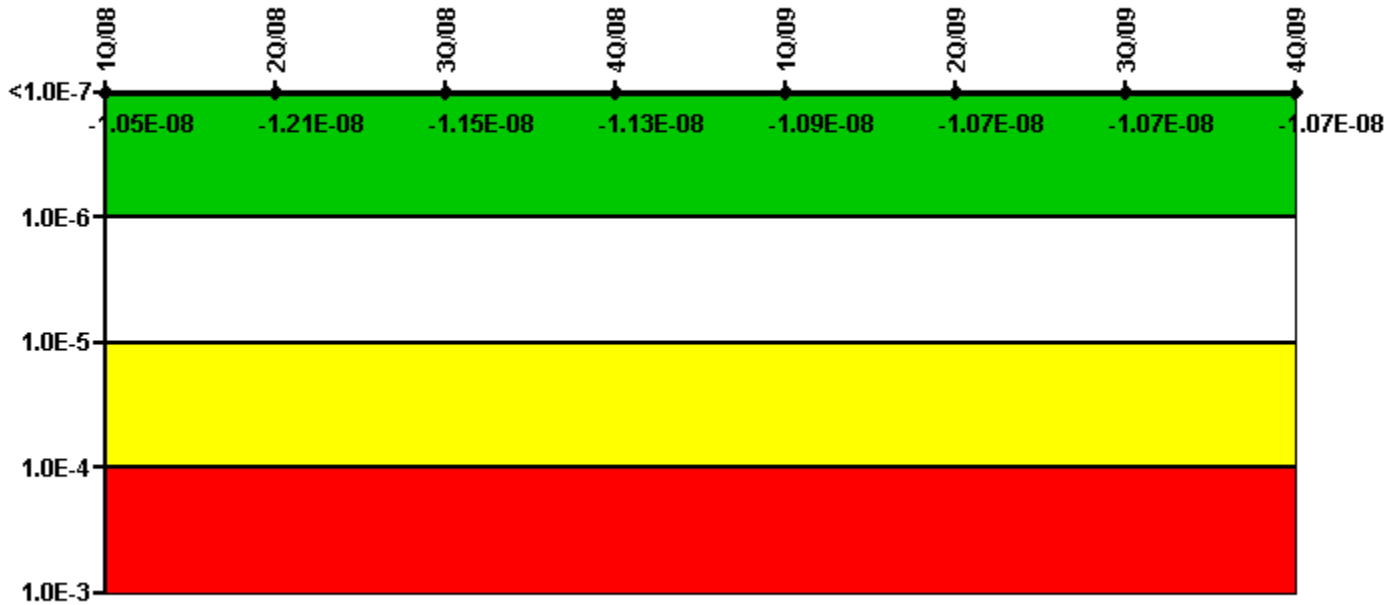
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	7.90E-09	6.50E-09	8.70E-10	7.60E-10	7.60E-10	7.60E-10	-1.50E-09	-1.50E-09
URI (Δ CDF)	-7.50E-09	-7.50E-09	-7.70E-09	-7.60E-09	-7.60E-09	-7.60E-09	-7.60E-09	-7.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.00E-10	-1.00E-09	-6.83E-09	-6.84E-09	-6.84E-09	-6.84E-09	-9.10E-09	-9.10E-09

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



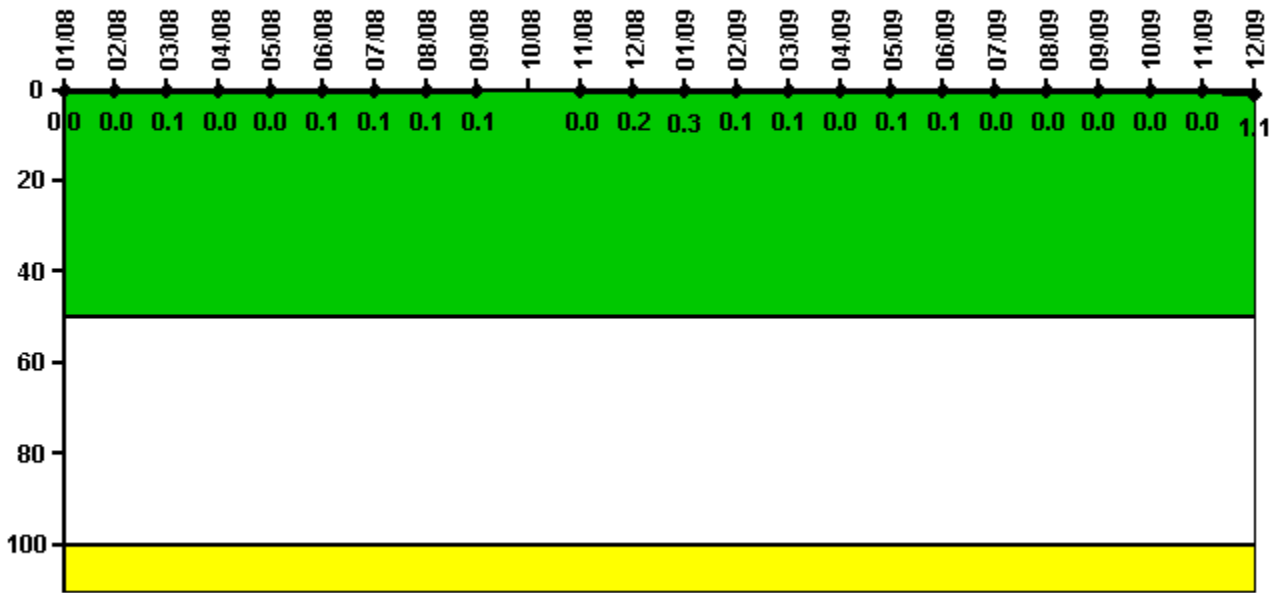
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	1.50E-09	-1.00E-10	5.50E-10	6.80E-10	1.10E-09	1.30E-09	1.30E-09	1.30E-09
URI (Δ CDF)	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.05E-08	-1.21E-08	-1.15E-08	-1.13E-08	-1.09E-08	-1.07E-08	-1.07E-08	-1.07E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

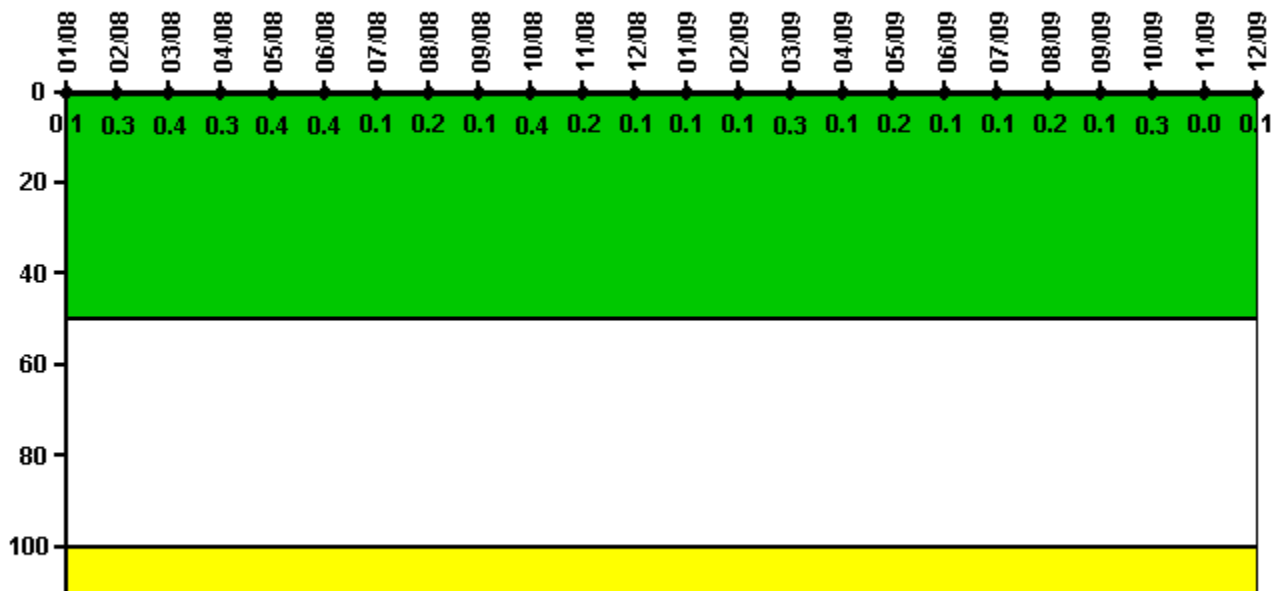
Notes

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	0.000424	0.000418	0.000574	0.000488	0.000489	0.000510	0.000526	0.000583	0.000669	N/A	0.000374	0.002470
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	0.1	0	0	0.1	0.1	0.1	0.1	N/A	0	0.2

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	0.002540	0.000708	0.000523	0.000477	0.000509	0.000521	0.000466	0.000419	0.000437	0.000444	0.000475	0.011000
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	0.1	0.1	0	0.1	0.1	0	0	0	0	0	1.1

Licensee Comments: none

Reactor Coolant System Leakage



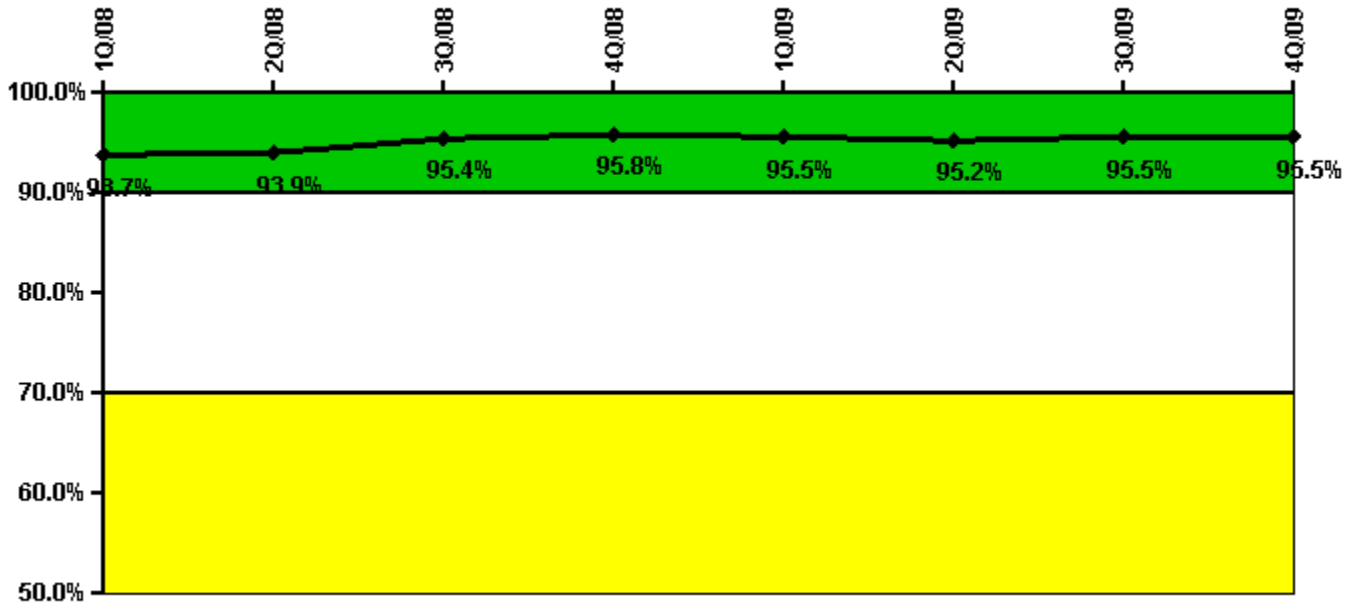
Thresholds: White > 50.0 Yellow > 100.0

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	0.011	0.033	0.040	0.025	0.036	0.038	0.012	0.021	0.014	0.043	0.021	0.011
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	0.1	0.3	0.4	0.3	0.4	0.4	0.1	0.2	0.1	0.4	0.2	0.1
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	0.008	0.006	0.031	0.009	0.023	0.012	0.006	0.016	0.013	0.031	0.002	0.011
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	0.1	0.1	0.3	0.1	0.2	0.1	0.1	0.2	0.1	0.3	0	0.1

Licensee Comments: none

Drill/Exercise Performance



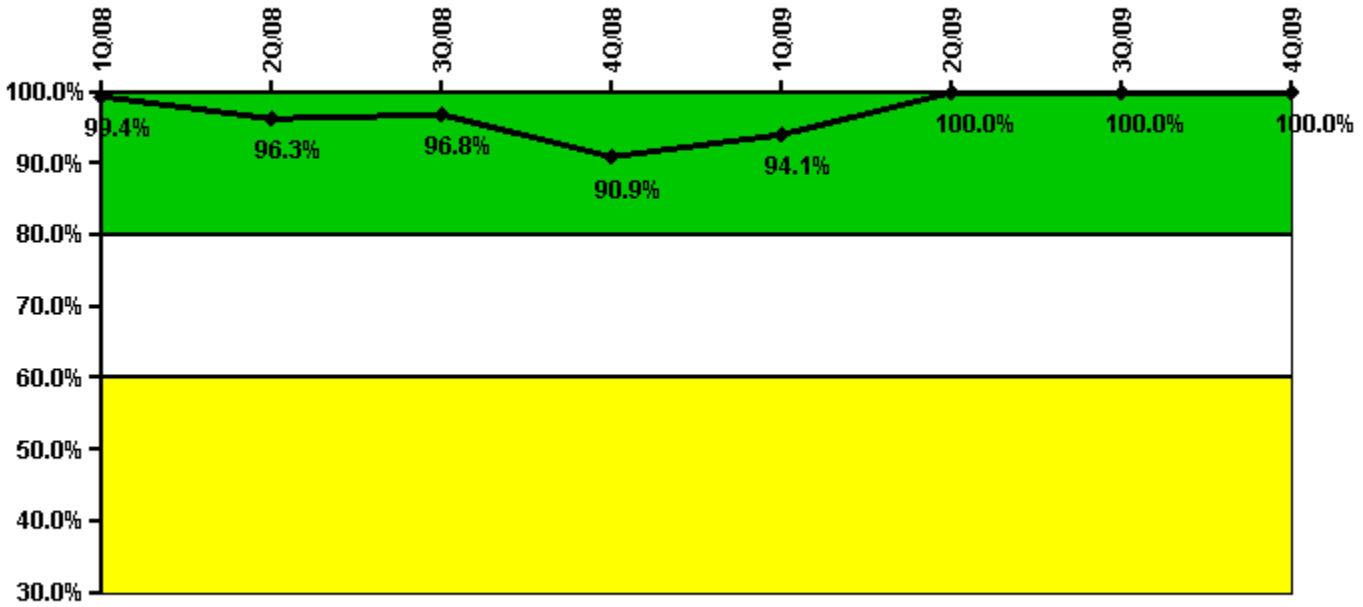
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	24.0	10.0	11.0	39.0	30.0	28.0	42.0	28.0
Total opportunities	26.0	10.0	14.0	40.0	31.0	29.0	43.0	29.0
Indicator value	93.7%	93.9%	95.4%	95.8%	95.5%	95.2%	95.5%	95.5%

Licensee Comments: none

ERO Drill Participation



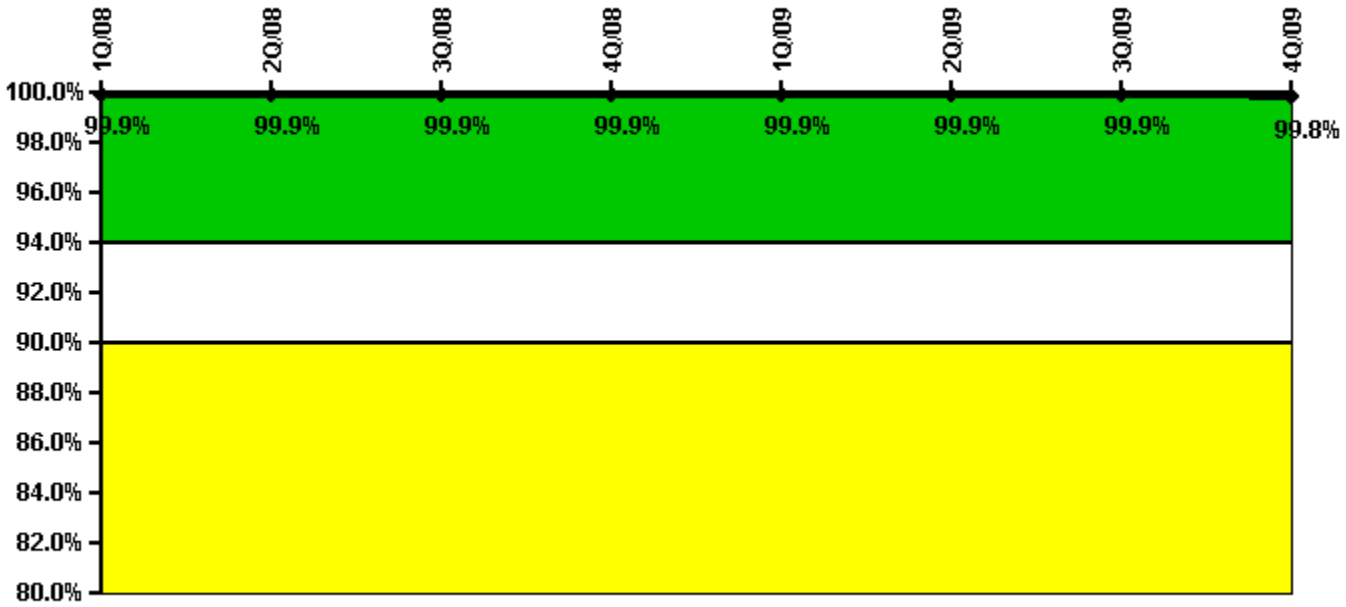
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	159.0	156.0	152.0	140.0	160.0	175.0	177.0	179.0
Total Key personnel	160.0	162.0	157.0	154.0	170.0	175.0	177.0	179.0
Indicator value	99.4%	96.3%	96.8%	90.9%	94.1%	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	476	474	476	476	476	474	476	475
Total sirens-tests	476	476	476	476	476	476	476	476
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.8%

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.