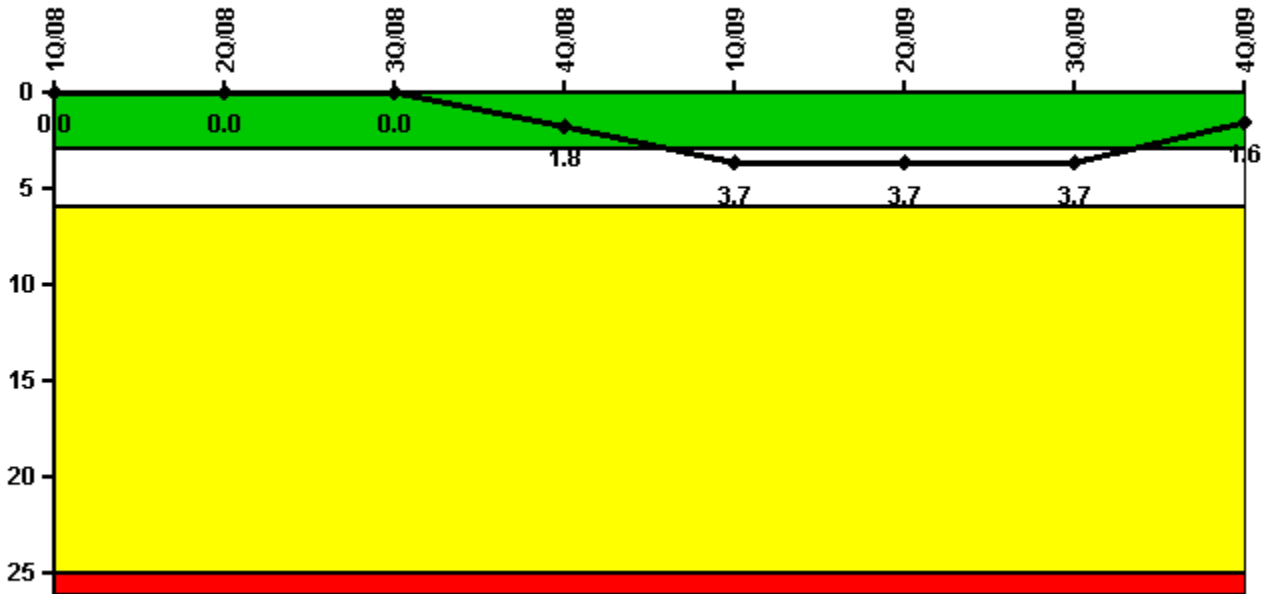


Arkansas Nuclear 1

4Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



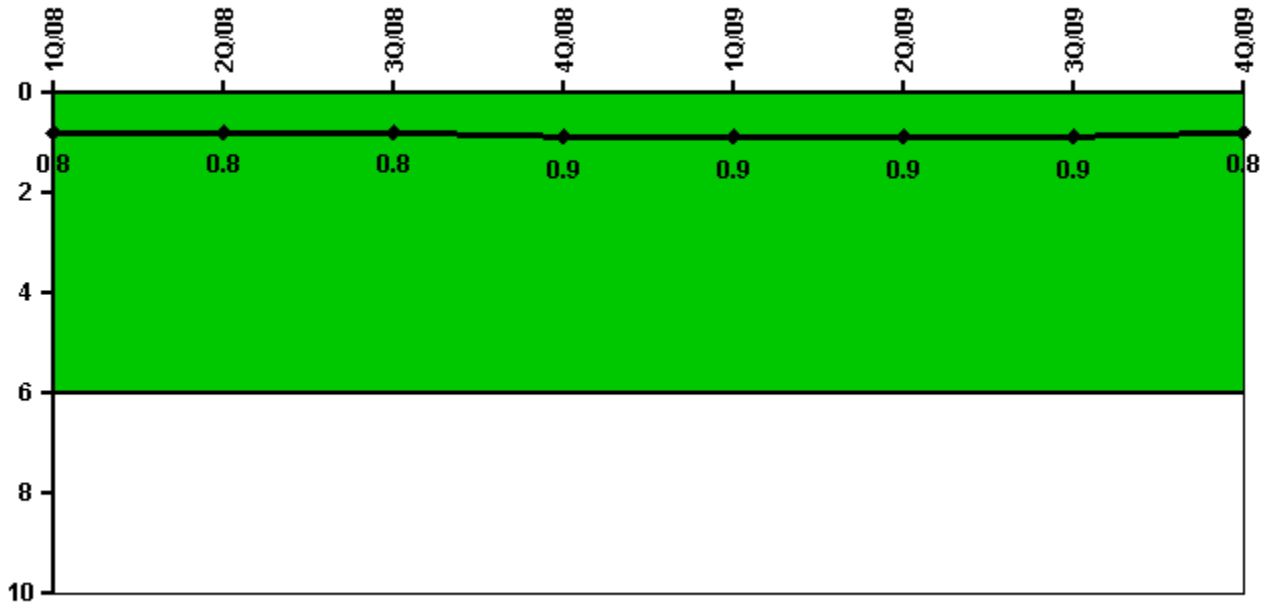
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	2.0	0	0	0
Critical hours	2183.0	2184.0	2208.0	1010.4	2069.3	2184.0	2208.0	2209.0
Indicator value	0	0	0	1.8	3.7	3.7	3.7	1.6

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	1.0	0	0	0	1.0	0	0
Critical hours	2183.0	2184.0	2208.0	1010.4	2069.3	2184.0	2208.0	2209.0
Indicator value	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.8

Licensee Comments: none

Unplanned Scrams with Complications



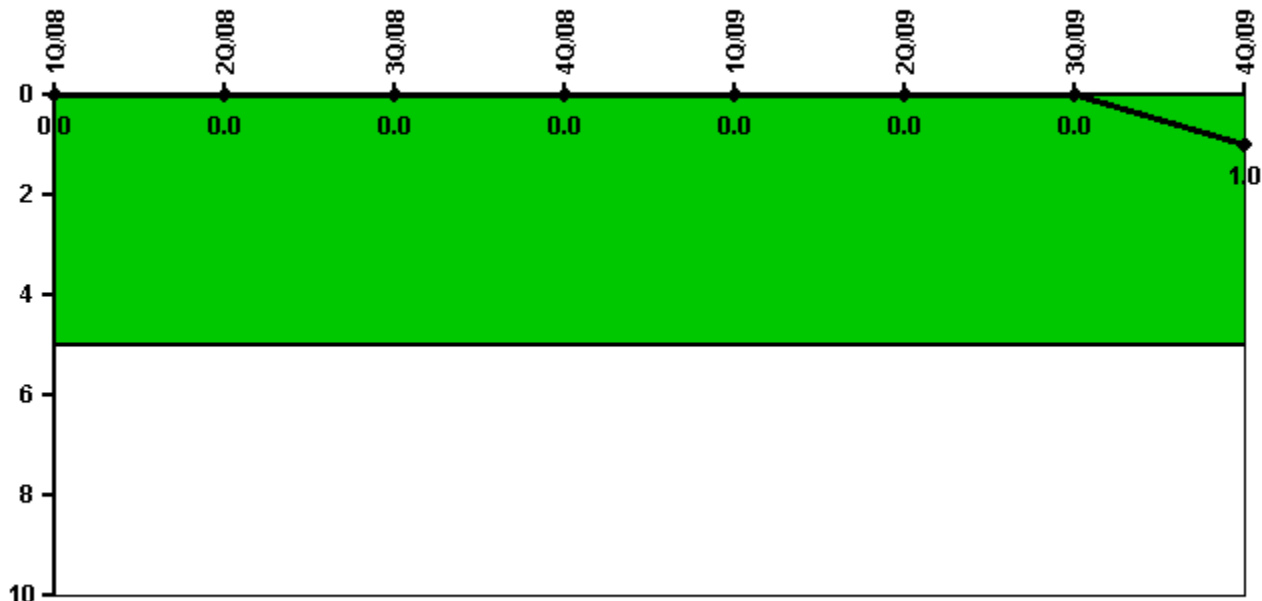
Thresholds: White > 1.0

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

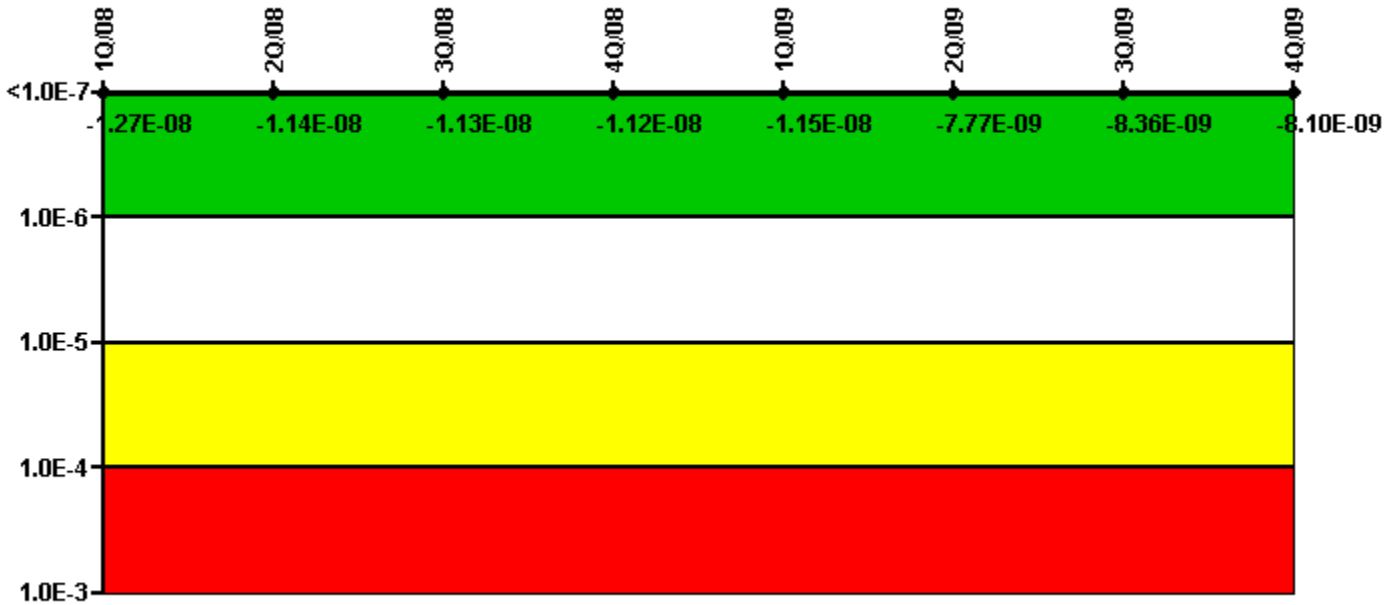
Notes

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

Licensee Comments:

4Q/09: Licensee Event Report 50-313/2009-003-00 - "Unanalyzed Condition That Significantly Degraded Plant Safety Existed Intermittently Due to an Unlatched Door Serving as a High Energy Line Break Barrier" was submitted in November 2009. Amended Licensee Event Report 50-313/2009-003-01 was submitted in December 2009 for the same event.

Mitigating Systems Performance Index, Emergency AC Power System



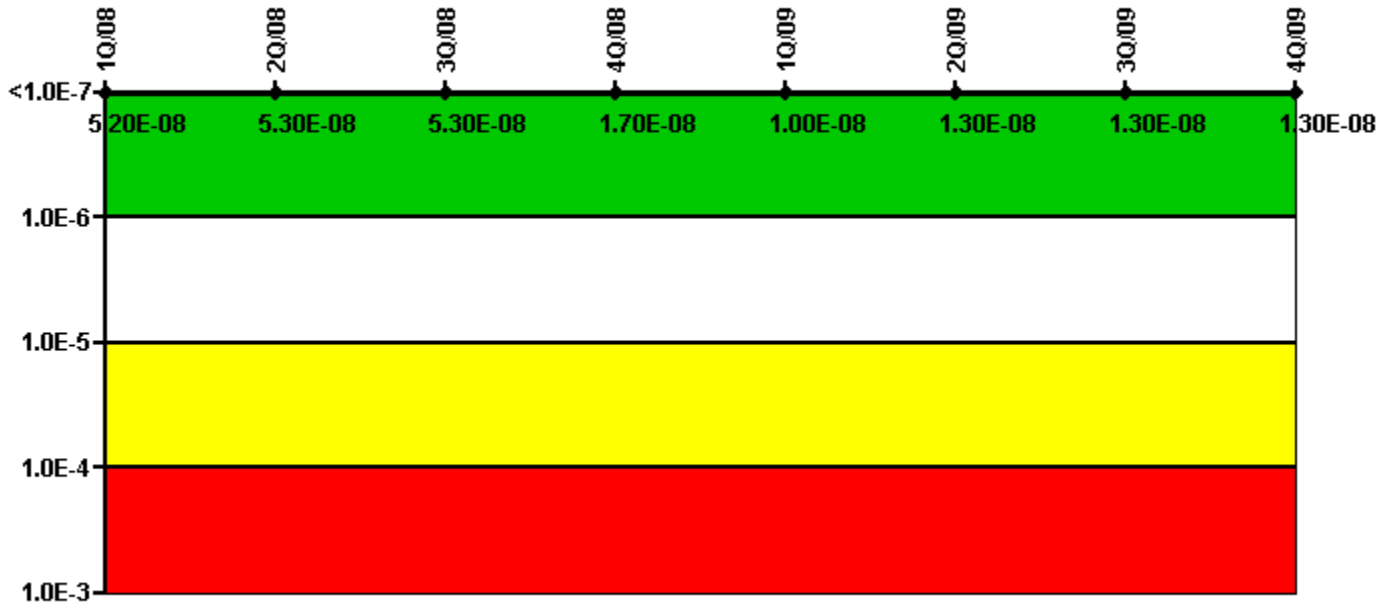
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09	9.30E-10	9.40E-10	1.90E-09
URI (Δ CDF)	-9.60E-09	-8.30E-09	-8.20E-09	-8.10E-09	-8.40E-09	-8.70E-09	-9.30E-09	-1.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.27E-08	-1.14E-08	-1.13E-08	-1.12E-08	-1.15E-08	-7.77E-09	-8.36E-09	-8.10E-09

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



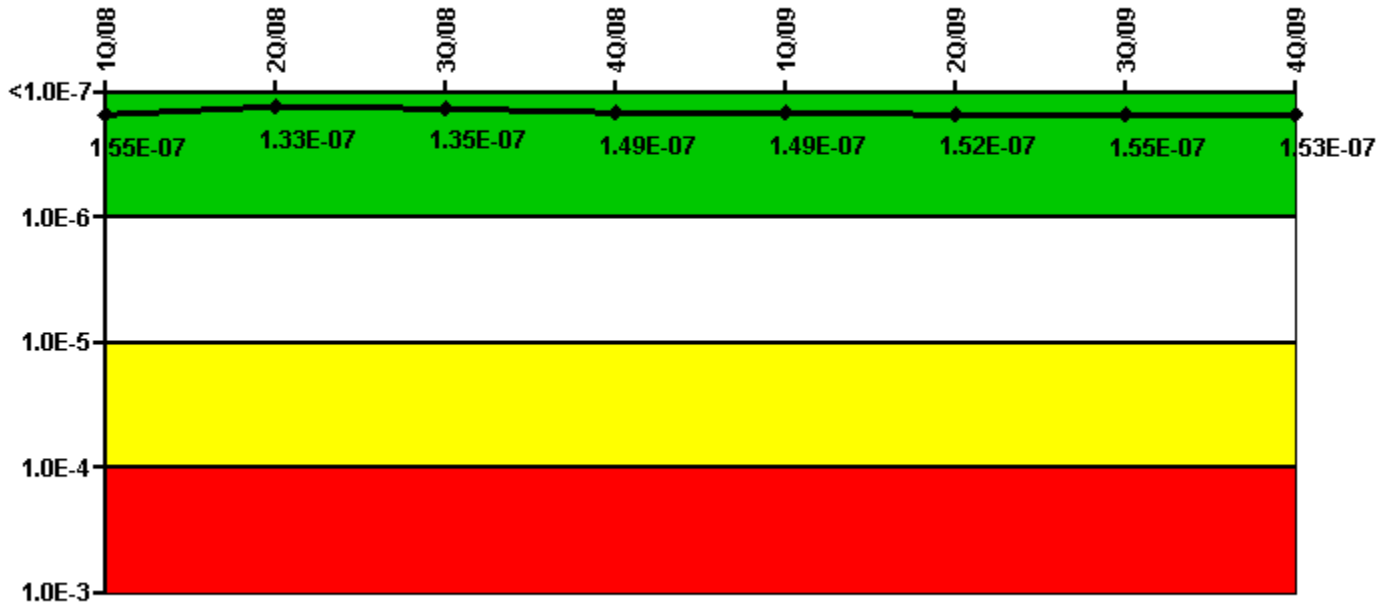
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	4.00E-08	4.00E-08	4.00E-08	3.60E-08	2.90E-08	3.20E-08	3.20E-08	3.20E-08
URI (Δ CDF)	1.20E-08	1.30E-08	1.30E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.20E-08	5.30E-08	5.30E-08	1.70E-08	1.00E-08	1.30E-08	1.30E-08	1.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



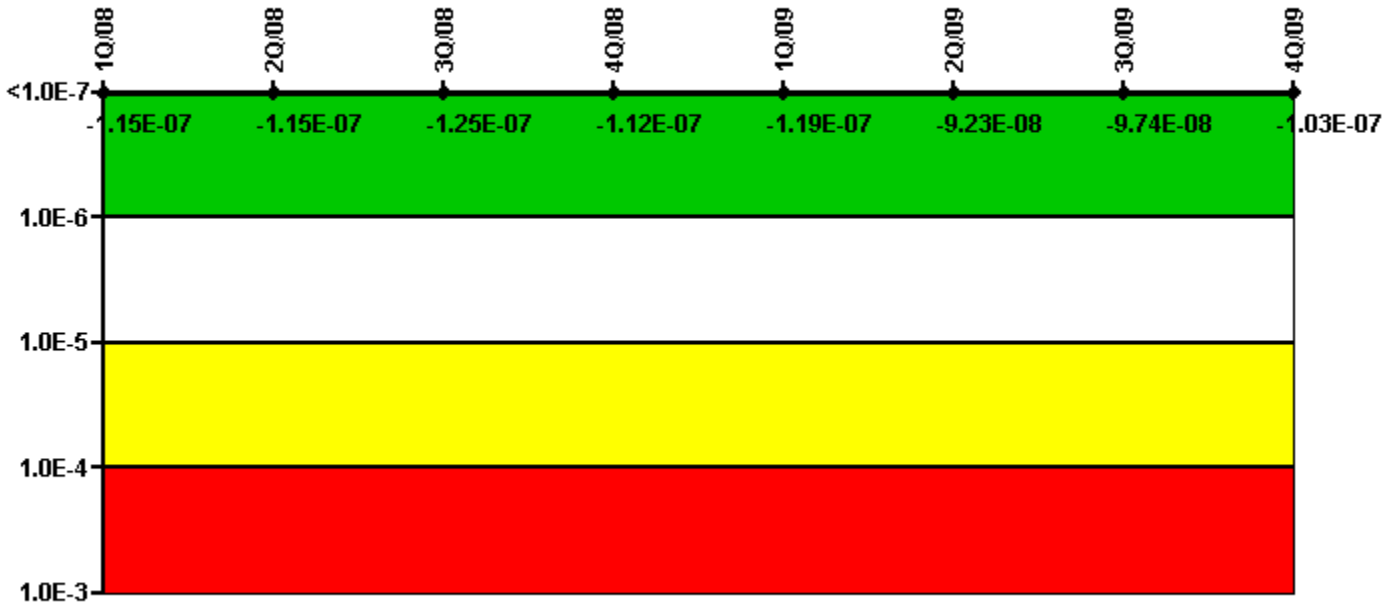
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	9.90E-08	7.30E-08	7.70E-08	9.10E-08	9.20E-08	9.40E-08	9.70E-08	9.30E-08
URI (Δ CDF)	5.60E-08	6.00E-08	5.80E-08	5.80E-08	5.70E-08	5.80E-08	5.80E-08	6.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.55E-07	1.33E-07	1.35E-07	1.49E-07	1.49E-07	1.52E-07	1.55E-07	1.53E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



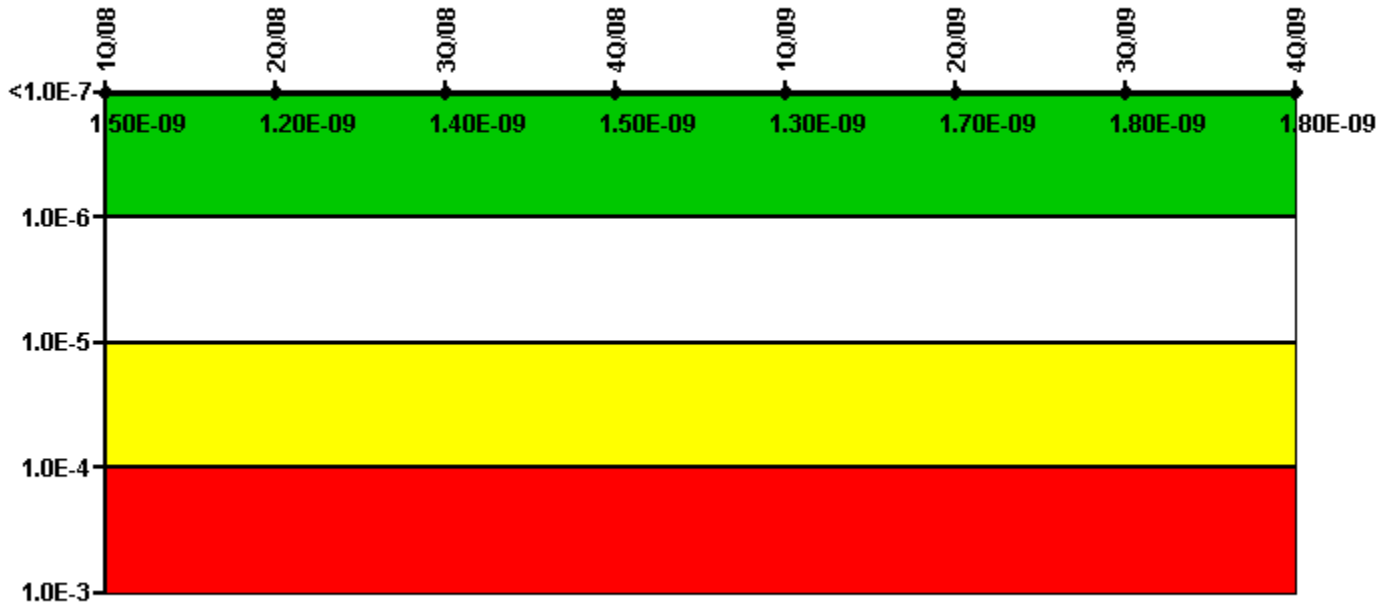
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-4.90E-09	-4.90E-09	-1.50E-08	-1.20E-08	-1.90E-08	7.70E-09	2.60E-09	-2.50E-09
URI (Δ CDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.15E-07	-1.15E-07	-1.25E-07	-1.12E-07	-1.19E-07	-9.23E-08	-9.74E-08	-1.03E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



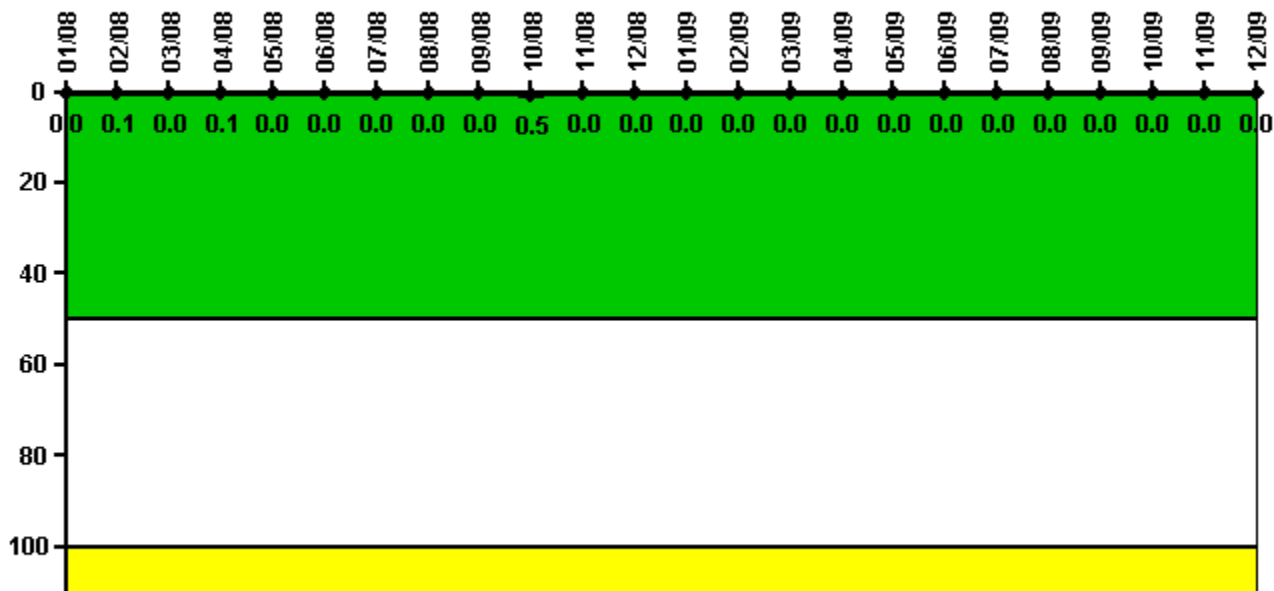
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09
URI (Δ CDF)	3.50E-09	3.20E-09	3.40E-09	3.50E-09	3.30E-09	3.70E-09	3.80E-09	3.80E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.50E-09	1.20E-09	1.40E-09	1.50E-09	1.30E-09	1.70E-09	1.80E-09	1.80E-09

Licensee Comments: none

Reactor Coolant System Activity



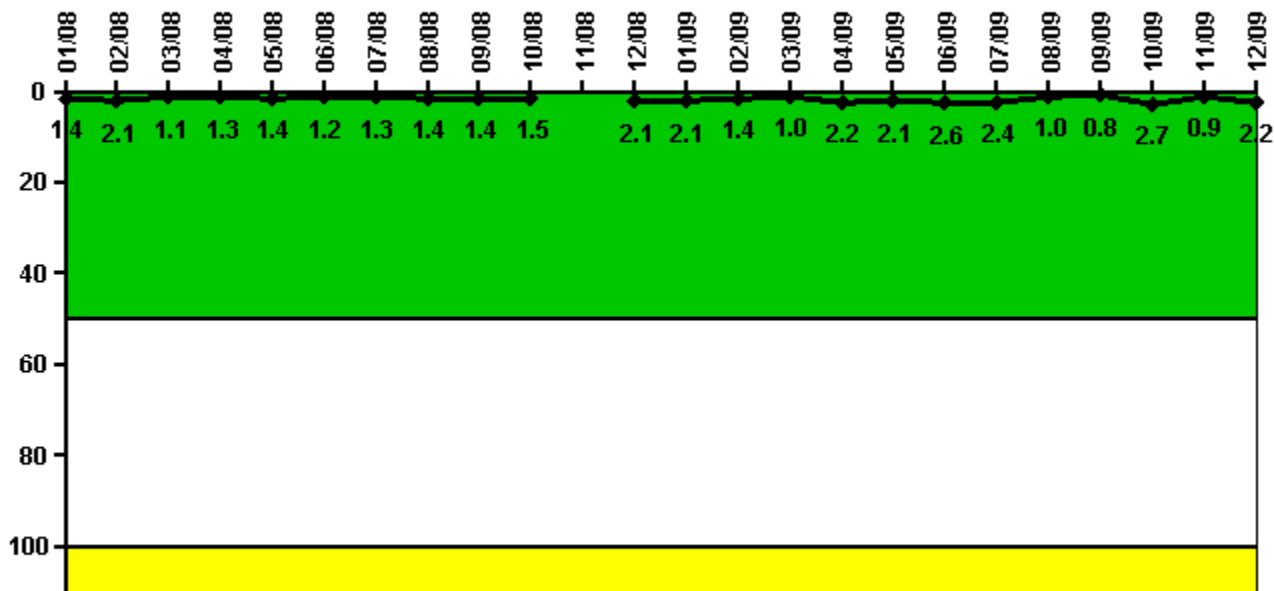
Thresholds: White > 50.0 Yellow > 100.0

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	0.001400	0.002640	0.001280	0.004000	0.001600	0.001290	0.001460	0.001470	0.001520	0.017700	0.000138	0.000259
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0.1	0	0.1	0	0	0	0	0	0.5	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	0.000364	0.000369	0.000293	0.000372	0.000416	0.000423	0.000436	0.000356	0.000354	0.000454	0.000486	0.000461
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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

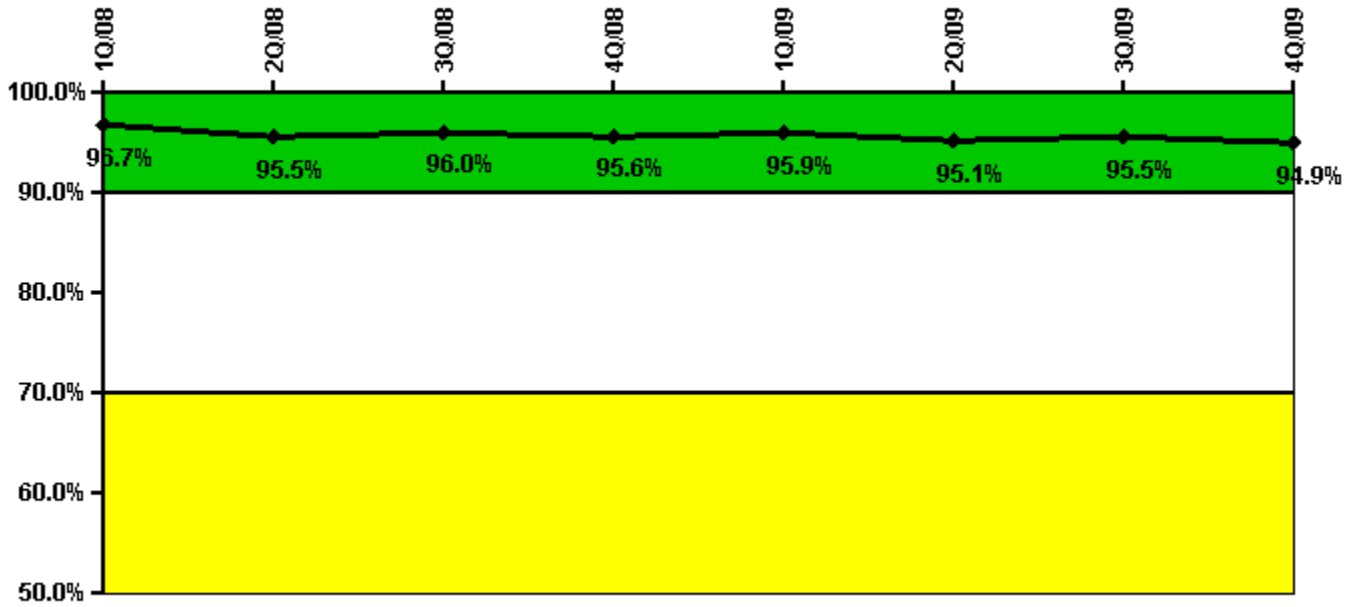
Notes

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	0.141	0.212	0.109	0.134	0.137	0.122	0.131	0.143	0.143	0.153	N/A	0.214
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	1.4	2.1	1.1	1.3	1.4	1.2	1.3	1.4	1.4	1.5	N/A	2.1
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	0.205	0.135	0.103	0.218	0.210	0.263	0.239	0.101	0.080	0.268	0.089	0.221
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	2.1	1.4	1.0	2.2	2.1	2.6	2.4	1.0	0.8	2.7	0.9	2.2

Licensee Comments:

12/09: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



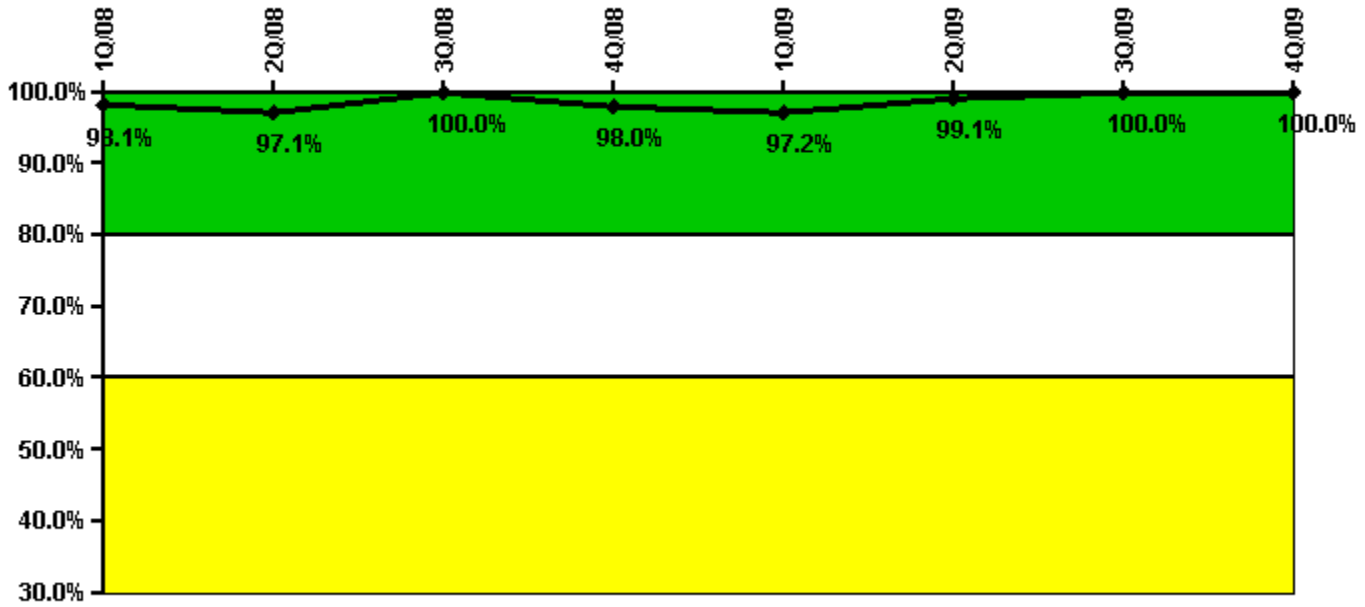
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	11.0	34.0	26.0	4.0	18.0	38.0	15.0	20.0
Total opportunities	14.0	36.0	26.0	4.0	18.0	40.0	15.0	22.0
Indicator value	96.7%	95.5%	96.0%	95.6%	95.9%	95.1%	95.5%	94.9%

Licensee Comments: none

ERO Drill Participation



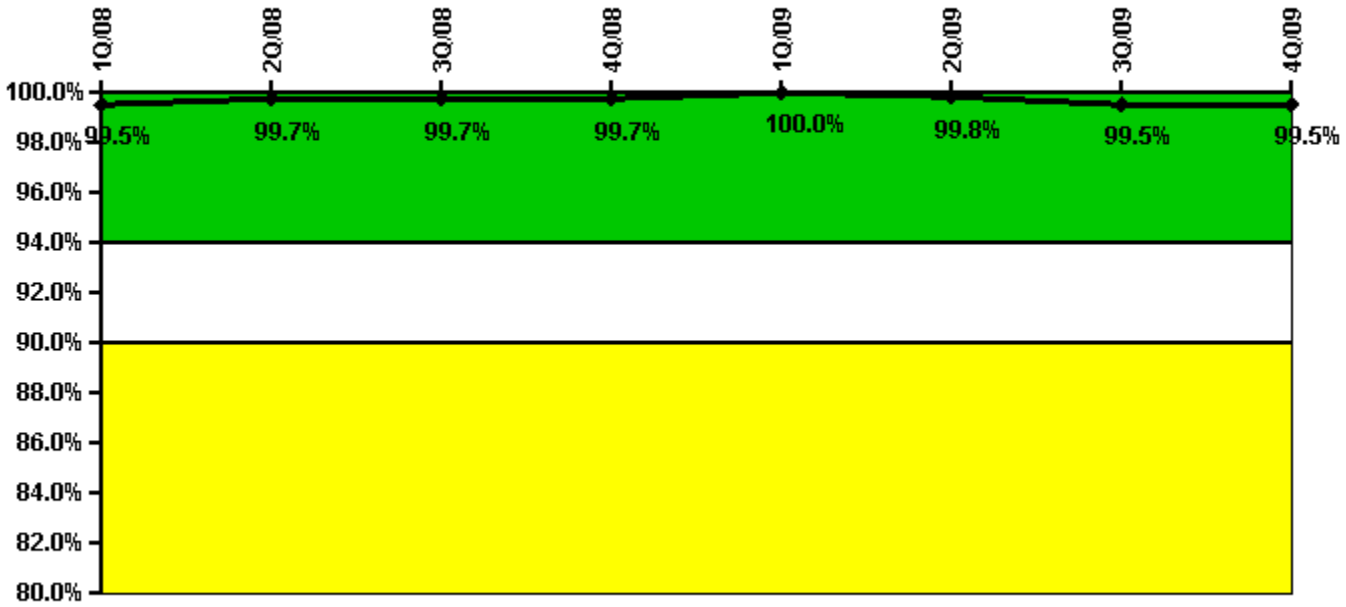
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	103.0	101.0	105.0	100.0	103.0	108.0	112.0	113.0
Total Key personnel	105.0	104.0	105.0	102.0	106.0	109.0	112.0	113.0
Indicator value	98.1%	97.1%	100.0%	98.0%	97.2%	99.1%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



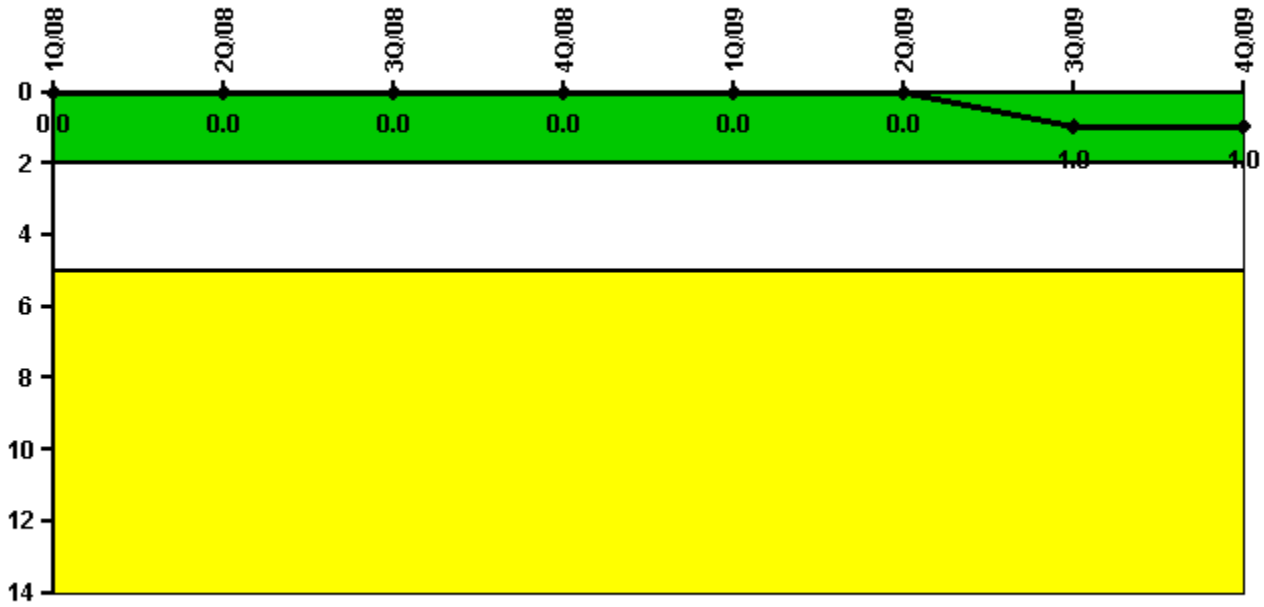
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	145	147	147	147	147	146	145	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.5%	99.7%	99.7%	99.7%	100.0%	99.8%	99.5%	99.5%

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	1	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	1	1

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.