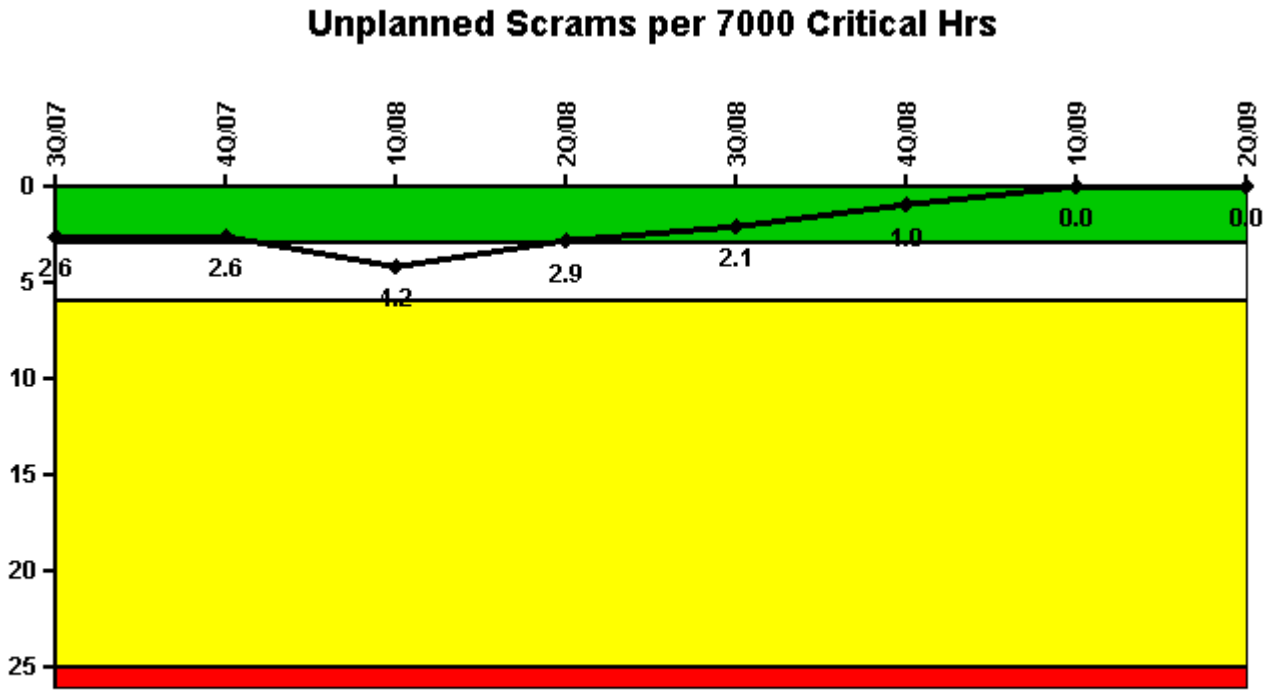
River Bend 1

2Q/2009 Performance Indicators

Licensee's General Comments: 1Q2009 - The number of Operational Non-Test Demands for the 2Q2007 and 4Q2007 MS09 Residual Heat Removal System have been revised to reflect changes due to internal review. This changes the MSPI values for the Residual Heat Removal System for the 2Q2007 through 1Q2009. The changes did not result in threshold color change.



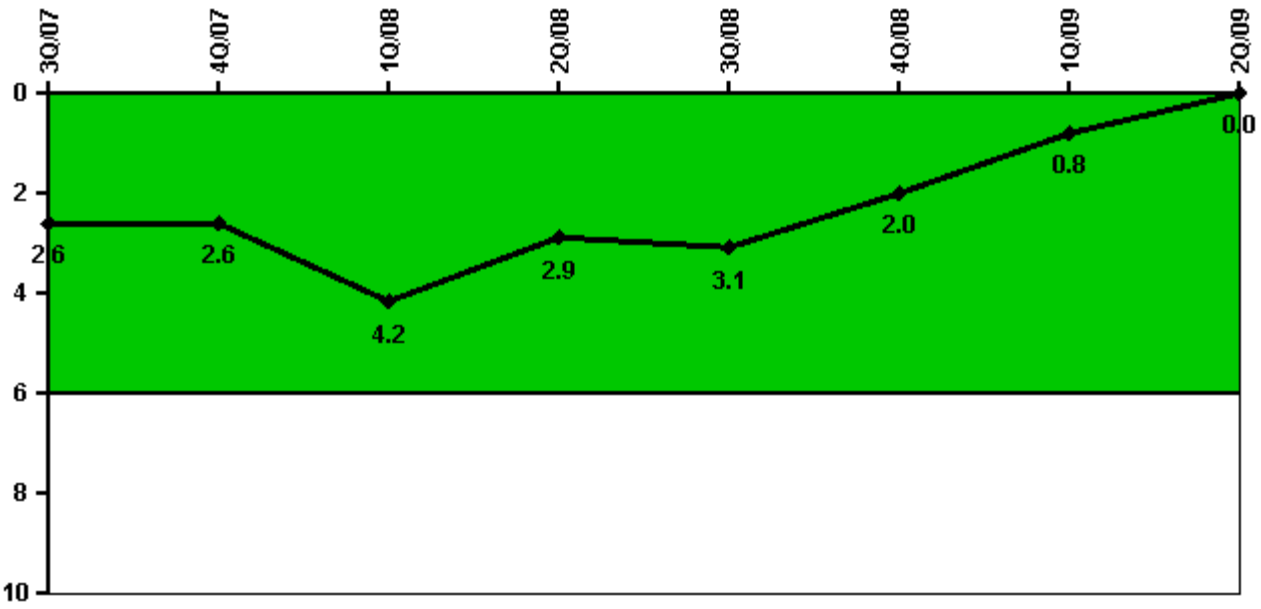
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	1.0	1.0	1.0	0	0	0	0	0
Critical hours	2110.7	2058.0	789.6	2184.0	1731.4	2209.0	2159.0	2184.0
Indicator value	**2.6**	**2.6**	**4.2**	**2.9**	**2.1**	**1.0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



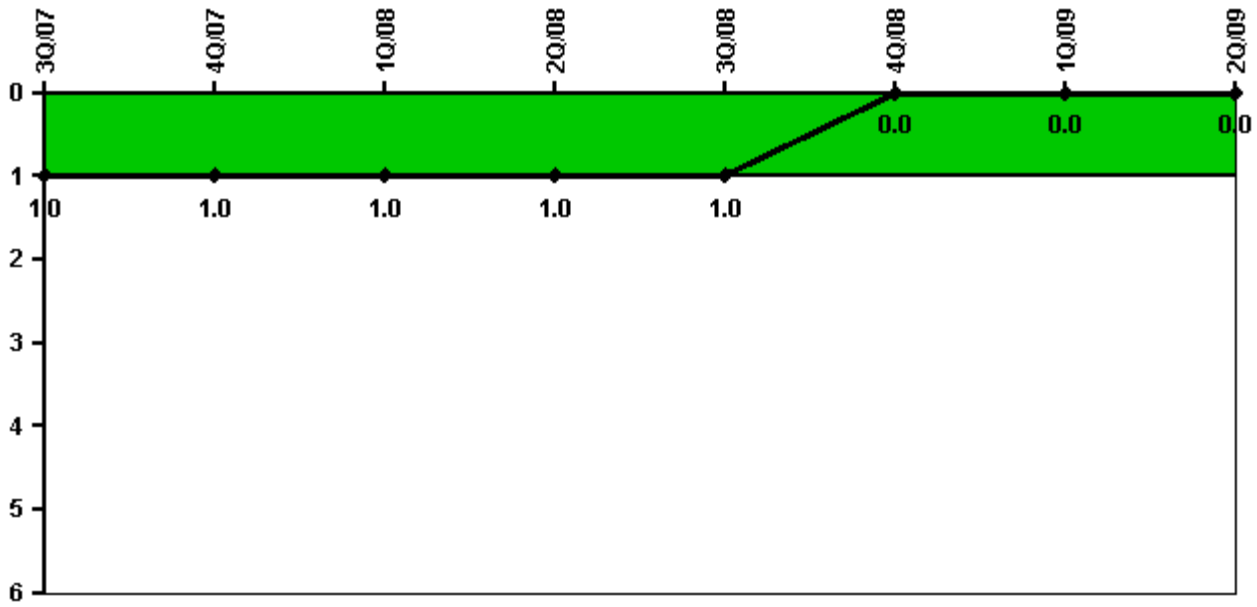
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	1.0	1.0	1.0	0	0	0	0
Critical hours	2110.7	2058.0	789.6	2184.0	1731.4	2209.0	2159.0	2184.0
Indicator value	**2.6**	**2.6**	**4.2**	**2.9**	**3.1**	**2.0**	**0.8**	**0**

Licensee Comments: none

Unplanned Scrams with Complications



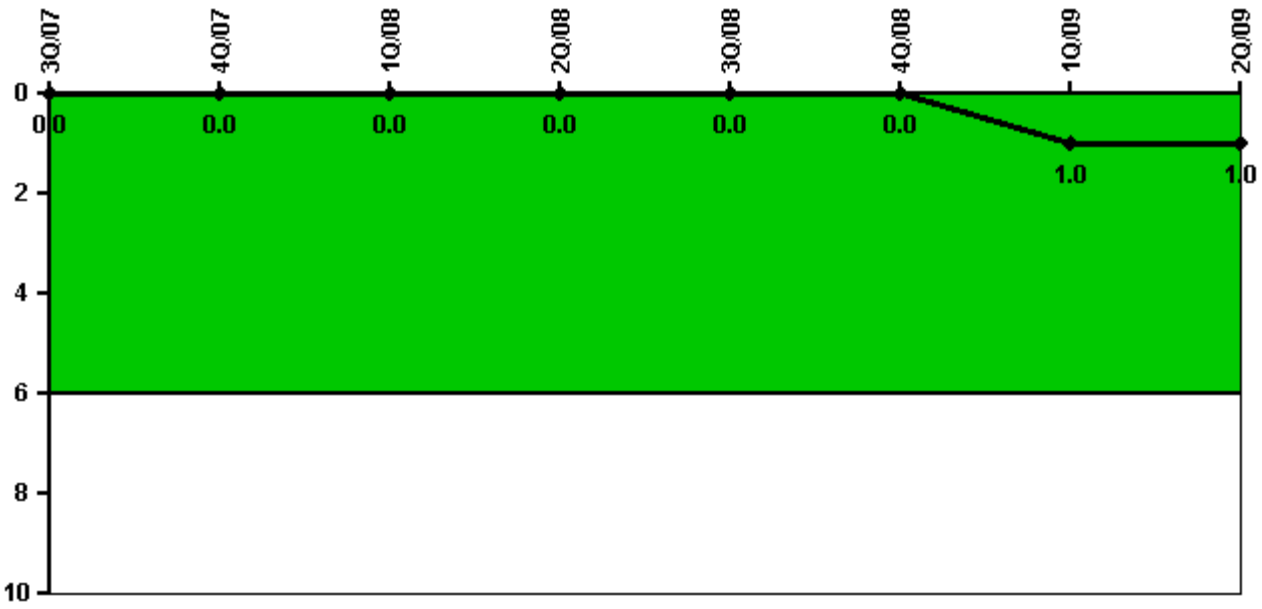
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Scrams with complications	0	1.0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (BWR)



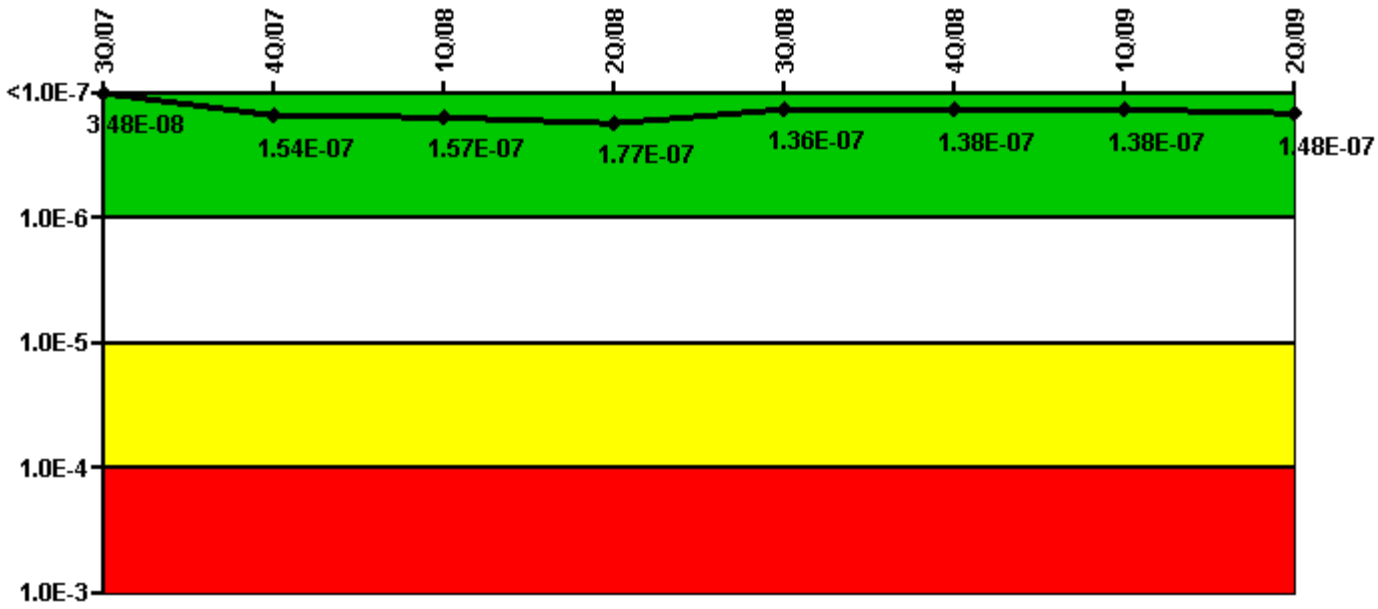
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



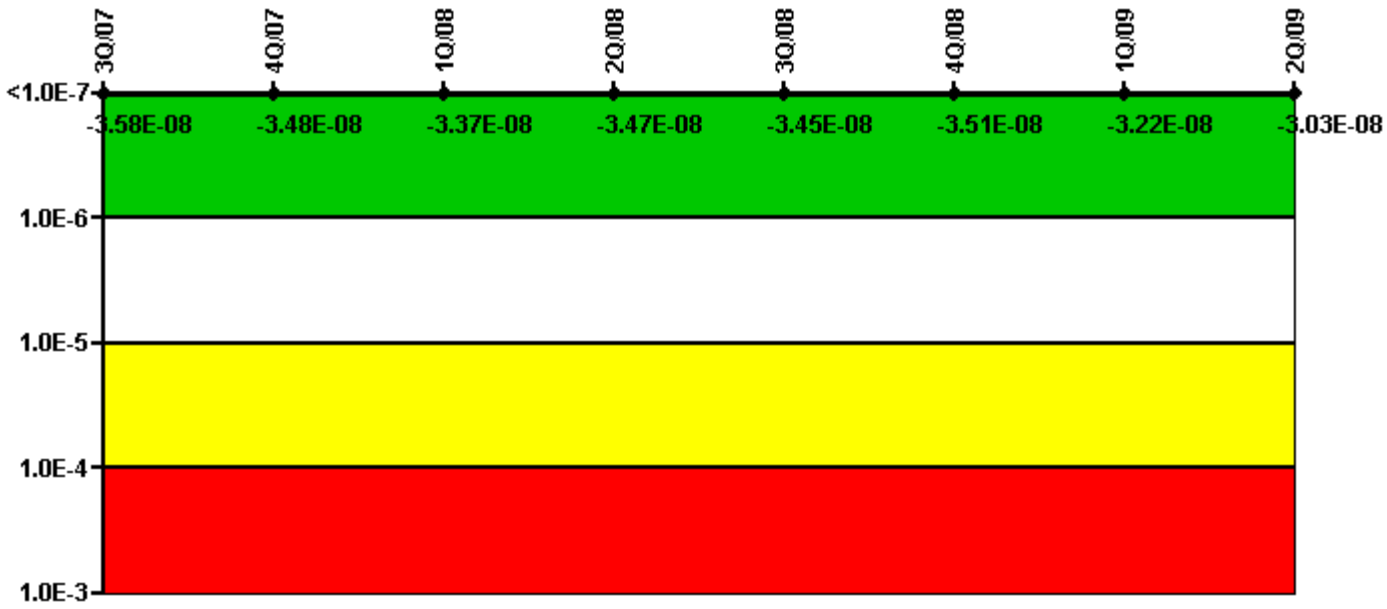
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	4.80E-09	1.40E-08	1.70E-08	2.70E-08	2.60E-08	2.80E-08	2.80E-08	3.80E-08
URI (ΔCDF)	3.00E-08	1.40E-07	1.40E-07	1.50E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.48E-08**	**1.54E-07**	**1.57E-07**	**1.77E-07**	**1.36E-07**	**1.38E-07**	**1.38E-07**	**1.48E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



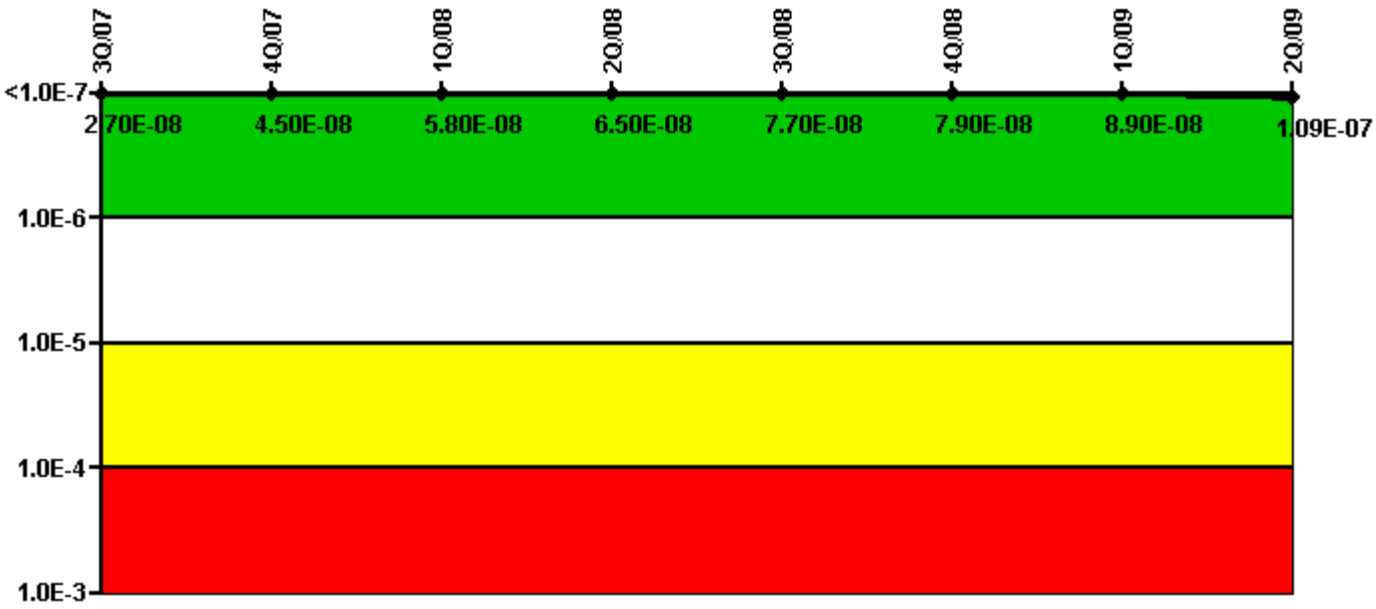
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-1.80E-09	-1.80E-09	-1.70E-09	-1.70E-09	-2.50E-09	-3.10E-09	-1.20E-09	-1.30E-09
URI (ΔCDF)	-3.40E-08	-3.30E-08	-3.20E-08	-3.30E-08	-3.20E-08	-3.20E-08	-3.10E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.58E-08**	**-3.48E-08**	**-3.37E-08**	**-3.47E-08**	**-3.45E-08**	**-3.51E-08**	**-3.22E-08**	**-3.03E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



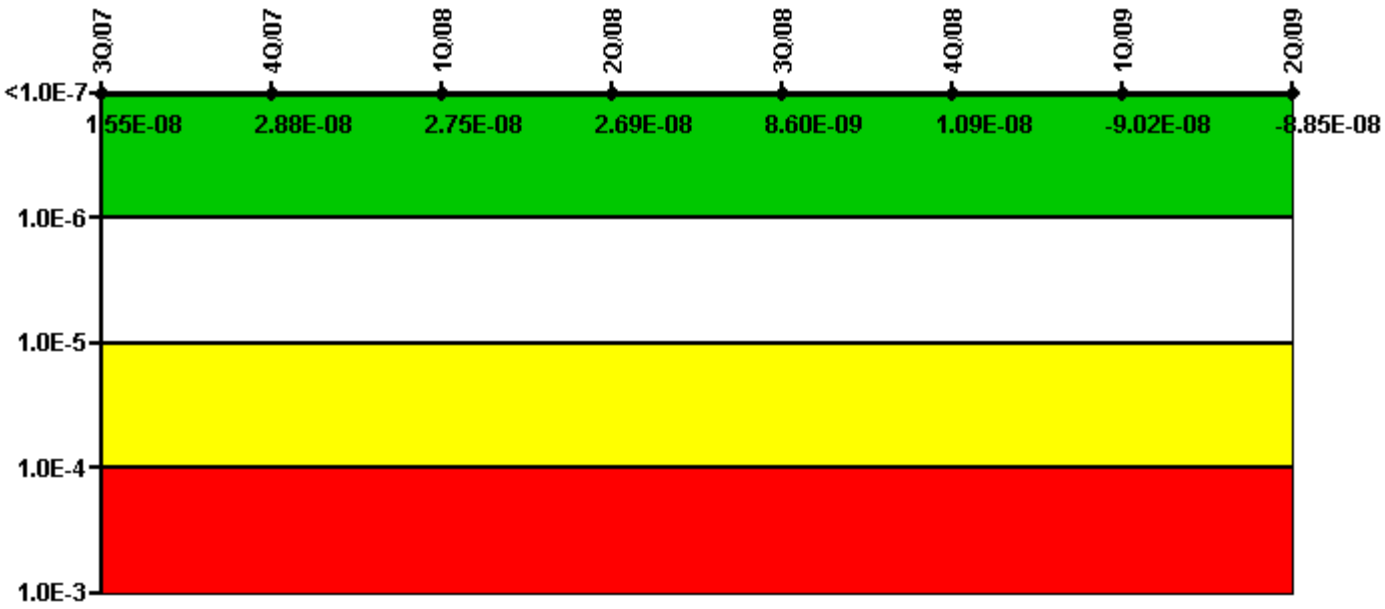
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-1.20E-08	-1.60E-08	-1.40E-08	-1.60E-08	-1.90E-08	-2.10E-08	-2.10E-08	-2.10E-08
URI (ΔCDF)	3.90E-08	6.10E-08	7.20E-08	8.10E-08	9.60E-08	1.00E-07	1.10E-07	1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-08**	**4.50E-08**	**5.80E-08**	**6.50E-08**	**7.70E-08**	**7.90E-08**	**8.90E-08**	**1.09E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



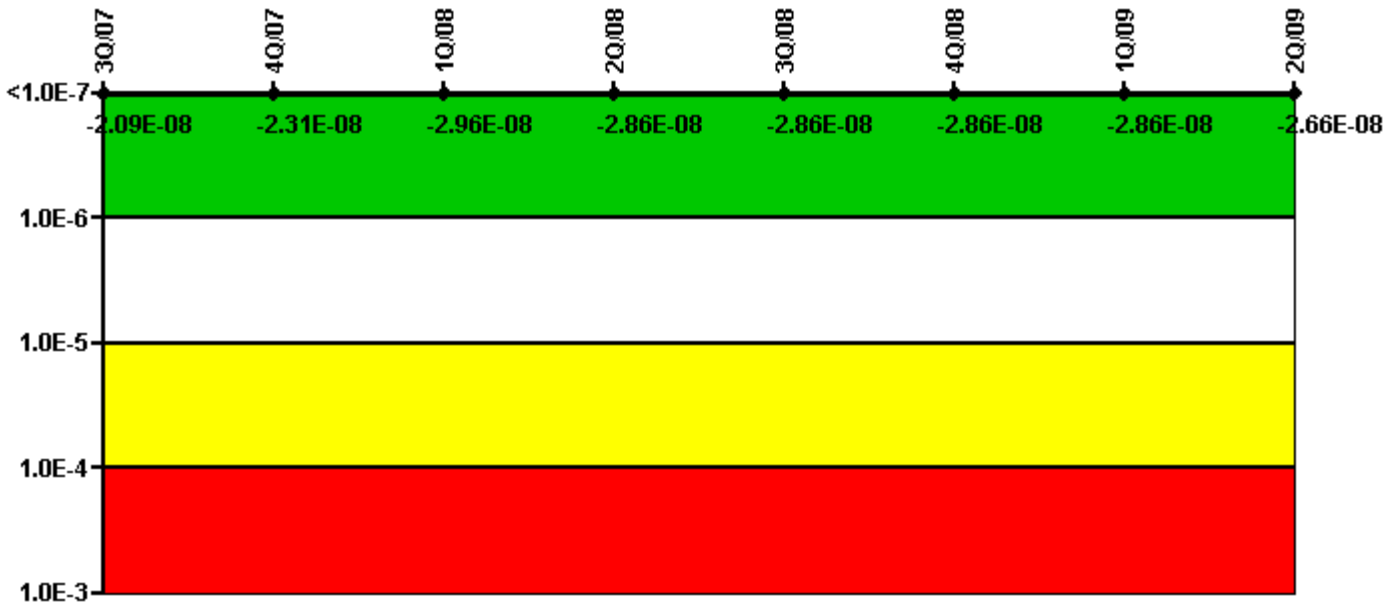
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	1.80E-08	3.00E-08	3.40E-08	3.40E-08	1.60E-08	1.90E-08	-8.20E-09	-9.50E-09
URI (ΔCDF)	-2.50E-09	-1.20E-09	-6.50E-09	-7.10E-09	-7.40E-09	-8.10E-09	-8.20E-08	-7.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.55E-08**	**2.88E-08**	**2.75E-08**	**2.69E-08**	**8.60E-09**	**1.09E-08**	**-9.02E-08**	**-8.85E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



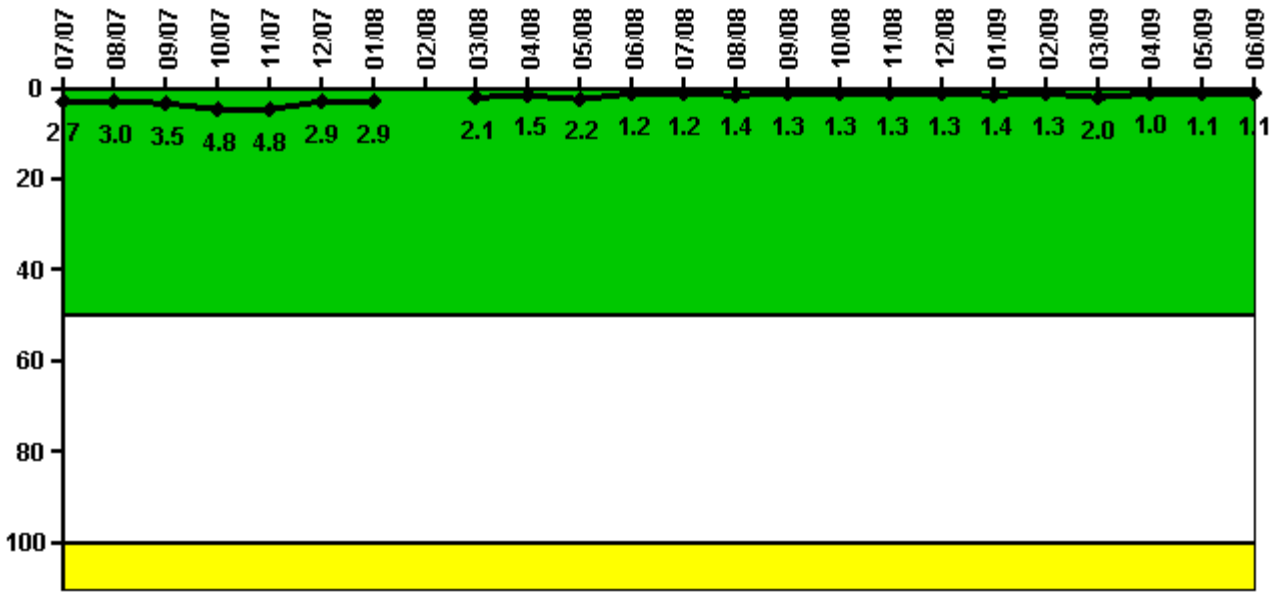
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	4.10E-09	3.90E-09	-2.60E-09	-2.60E-09	-2.60E-09	-2.60E-09	-2.60E-09	-2.60E-09
URI (ΔCDF)	-2.50E-08	-2.70E-08	-2.70E-08	-2.60E-08	-2.60E-08	-2.60E-08	-2.60E-08	-2.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.09E-08**	**-2.31E-08**	**-2.96E-08**	**-2.86E-08**	**-2.86E-08**	**-2.86E-08**	**-2.86E-08**	**-2.66E-08**

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

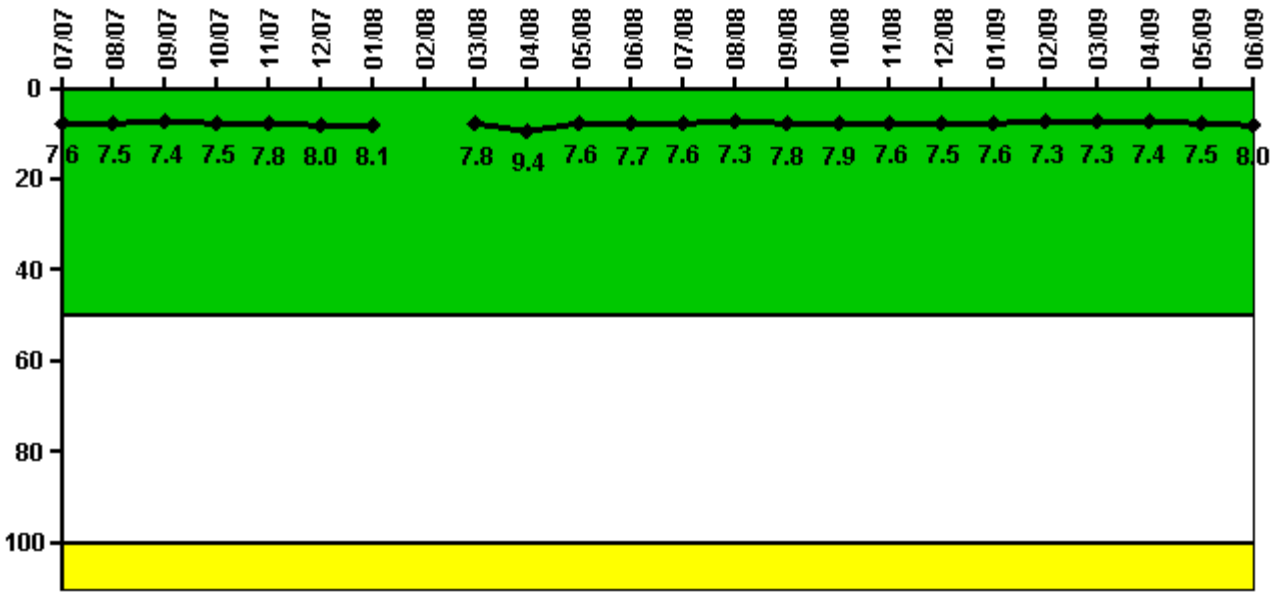
Notes

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.005340	0.006020	0.007080	0.009530	0.009650	0.005790	0.005800	N/A	0.004140	0.002949	0.004318	0.002413
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**2.7**	**3.0**	**3.5**	**4.8**	**4.8**	**2.9**	**2.9**	**N/A**	**2.1**	**1.5**	**2.2**	**1.2**

Reactor Coolant System Activity	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum activity	0.002340	0.002839	0.002514	0.002560	0.002669	0.002590	0.002710	0.002530	0.003920	0.001950	0.002260	0.002165
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**1.2**	**1.4**	**1.3**	**1.3**	**1.3**	**1.3**	**1.4**	**1.3**	**2.0**	**1.0**	**1.1**	**1.1**

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

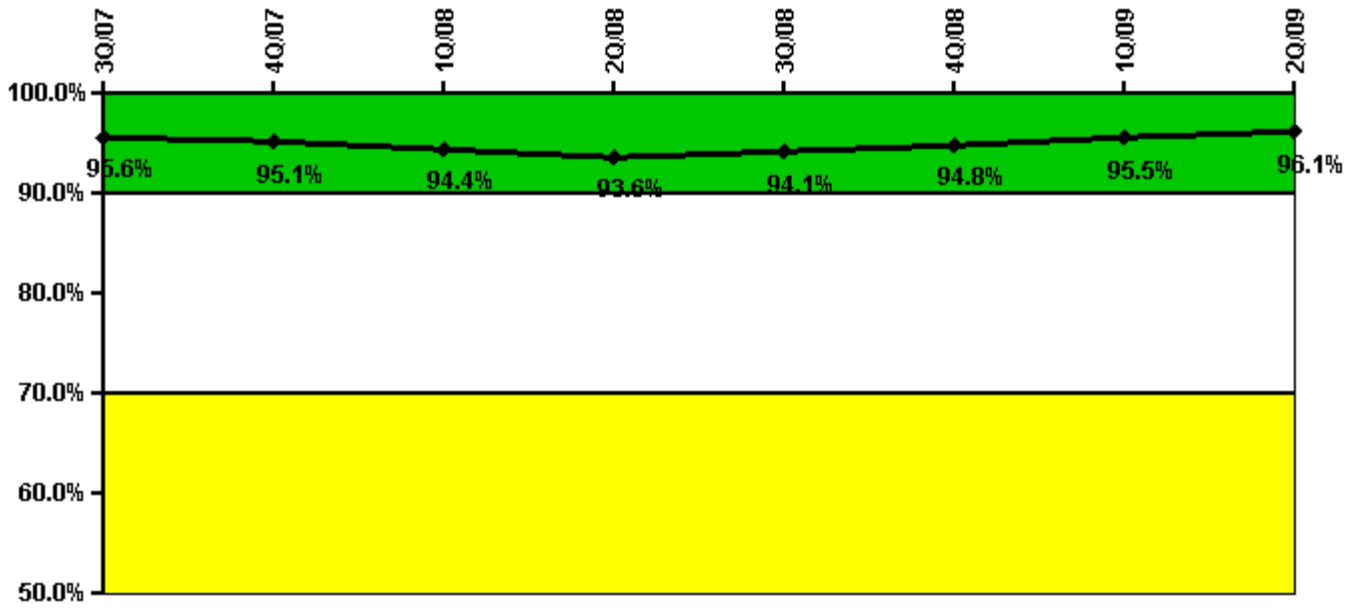
Notes

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	2.290	2.250	2.230	2.260	2.340	2.400	2.440	N/A	2.330	2.810	2.270	2.300
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.6**	**7.5**	**7.4**	**7.5**	**7.8**	**8.0**	**8.1**	**N/A**	**7.8**	**9.4**	**7.6**	**7.7**

Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	2.280	2.190	2.330	2.370	2.270	2.250	2.290	2.180	2.200	2.210	2.260	2.400
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.6**	**7.3**	**7.8**	**7.9**	**7.6**	**7.5**	**7.6**	**7.3**	**7.3**	**7.4**	**7.5**	**8.0**

Licensee Comments: none

Drill/Exercise Performance

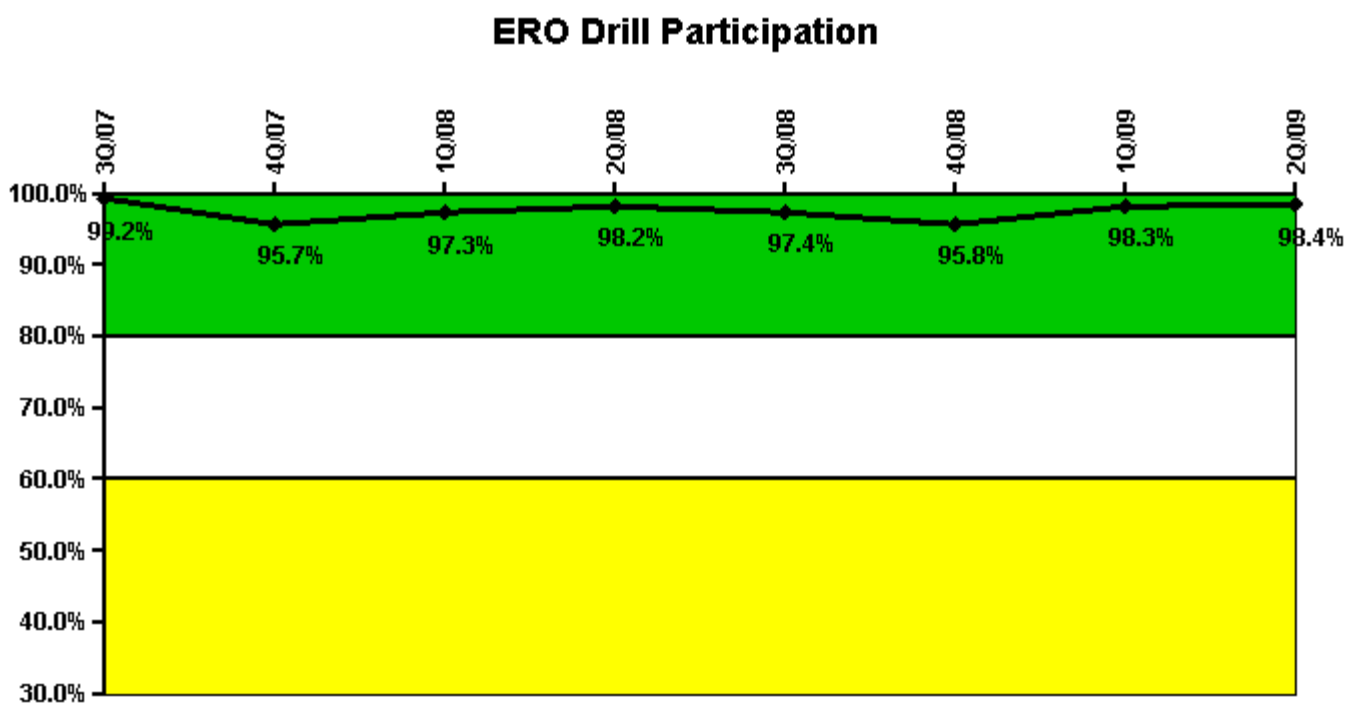


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	21.0	0	18.0	32.0	38.0	30.0	28.0	30.0
Total opportunities	23.0	0	21.0	35.0	38.0	30.0	28.0	30.0
Indicator value	**95.6%**	**95.1%**	**94.4%**	**93.6%**	**94.1%**	**94.8%**	**95.5%**	**96.1%**

Licensee Comments: none



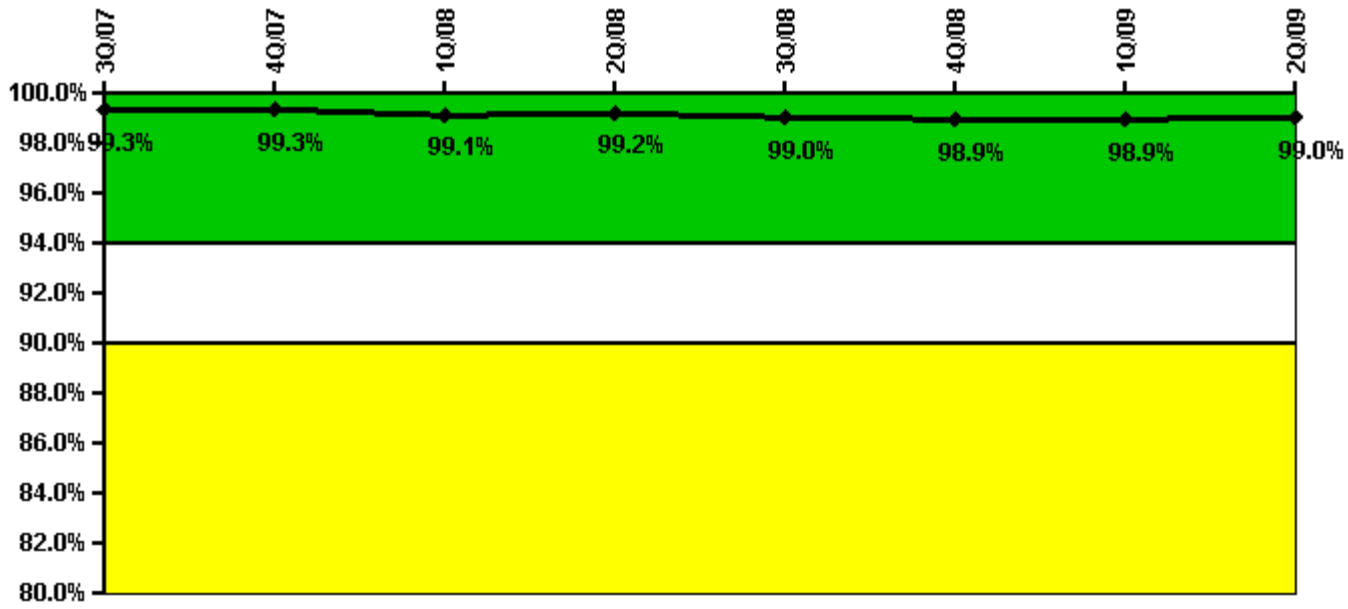
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	125.0	111.0	109.0	111.0	111.0	114.0	117.0	121.0
Total Key personnel	126.0	116.0	112.0	113.0	114.0	119.0	119.0	123.0
Indicator value	**99.2%**	**95.7%**	**97.3%**	**98.2%**	**97.4%**	**95.8%**	**98.3%**	**98.4%**

Licensee Comments: none

Alert & Notification System



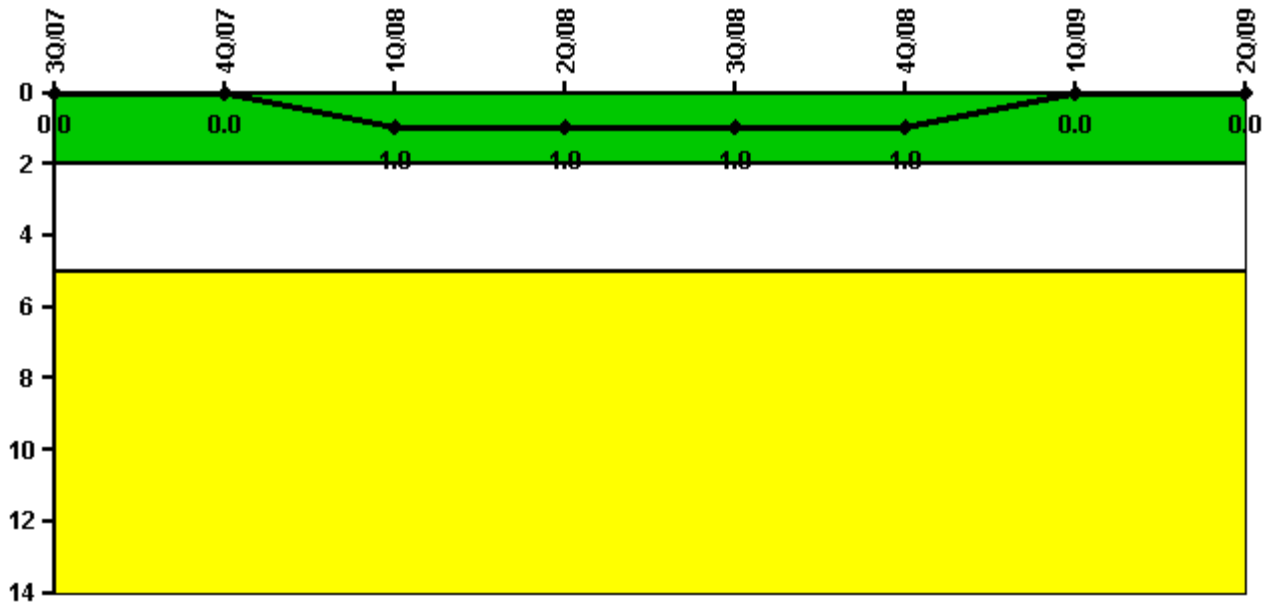
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	1201	1020	1193	1200	1099	1017	1099	1204
Total sirens-tests	1209	1023	1209	1209	1116	1023	1116	1209
Indicator value	**99.3%**	**99.3%**	**99.1%**	**99.2%**	**99.0%**	**98.9%**	**98.9%**	**99.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness



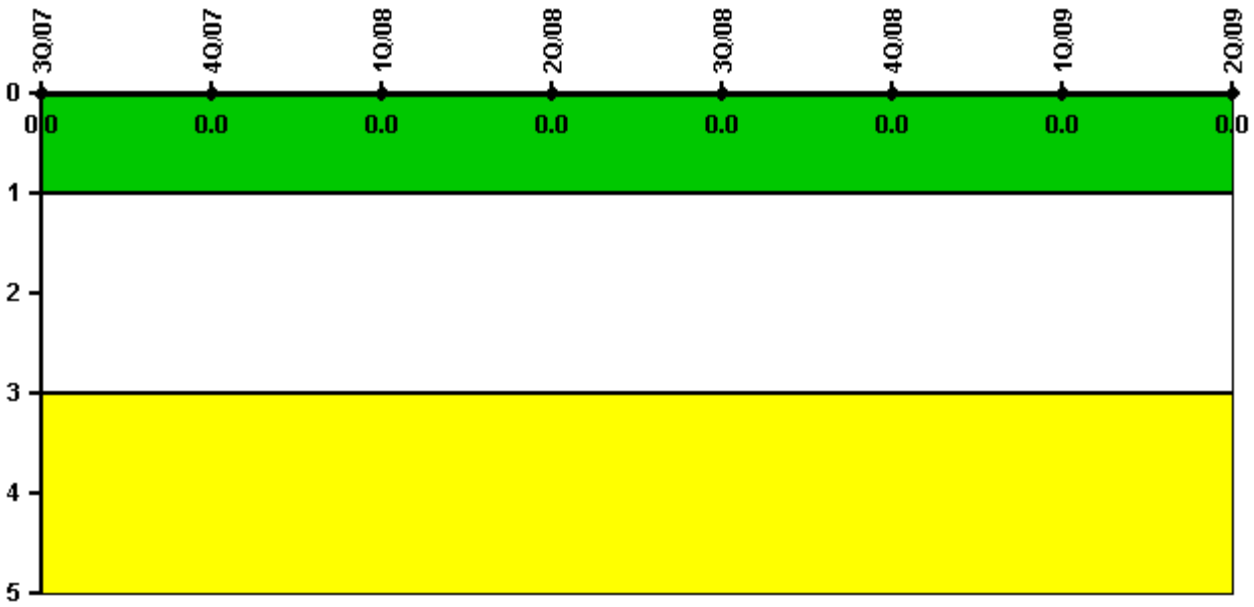
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
High radiation area occurrences	0	0	1	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**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/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.

▲ Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: July 22, 2009