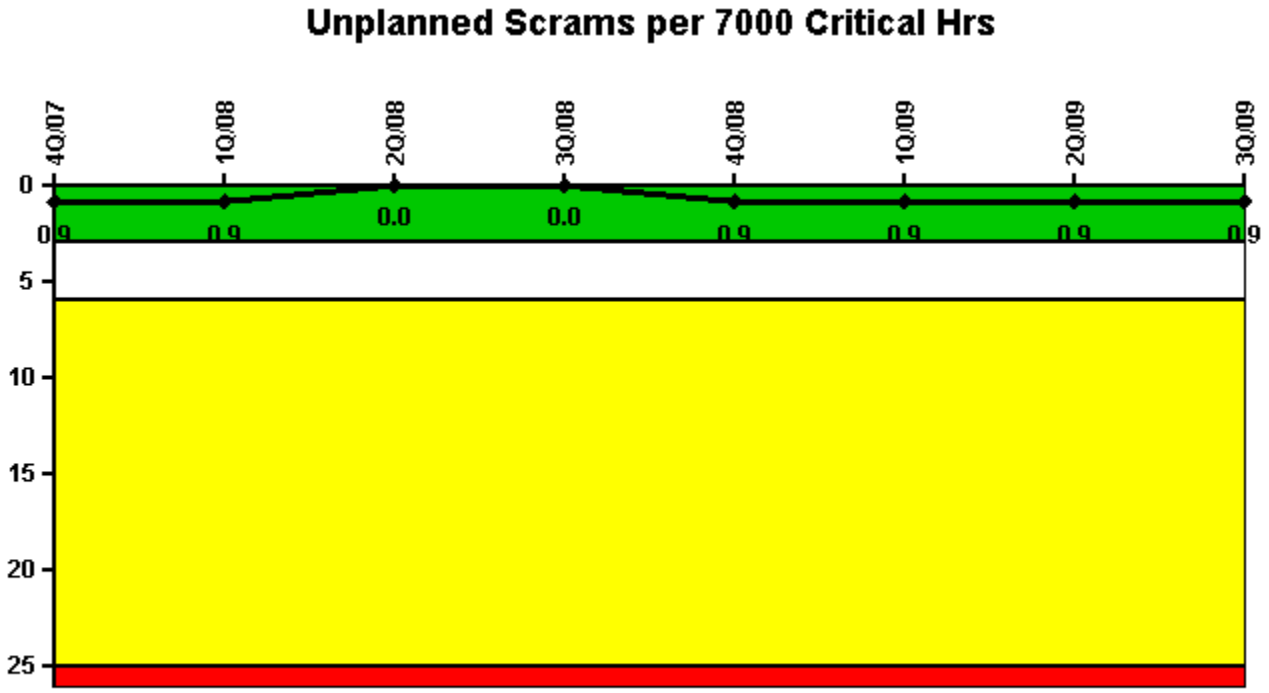
Robinson 2

3Q/2009 Performance Indicators

Licensee's General Comments: none



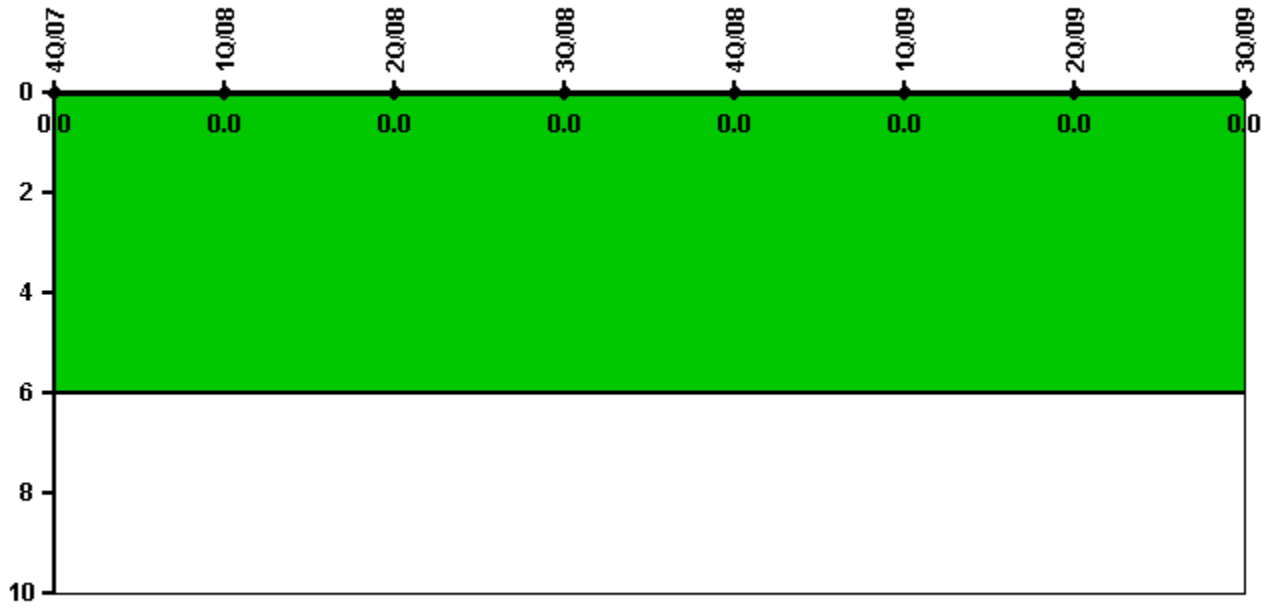
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2088.8	978.3	2159.0	2165.5	2208.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



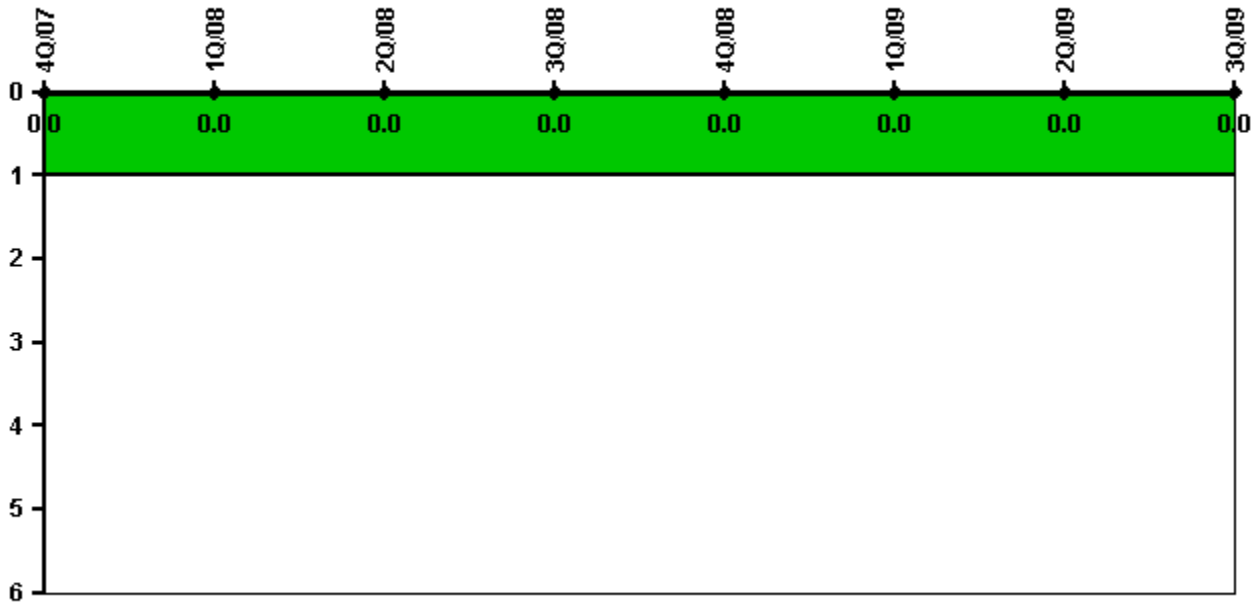
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2088.8	978.3	2159.0	2165.5	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications



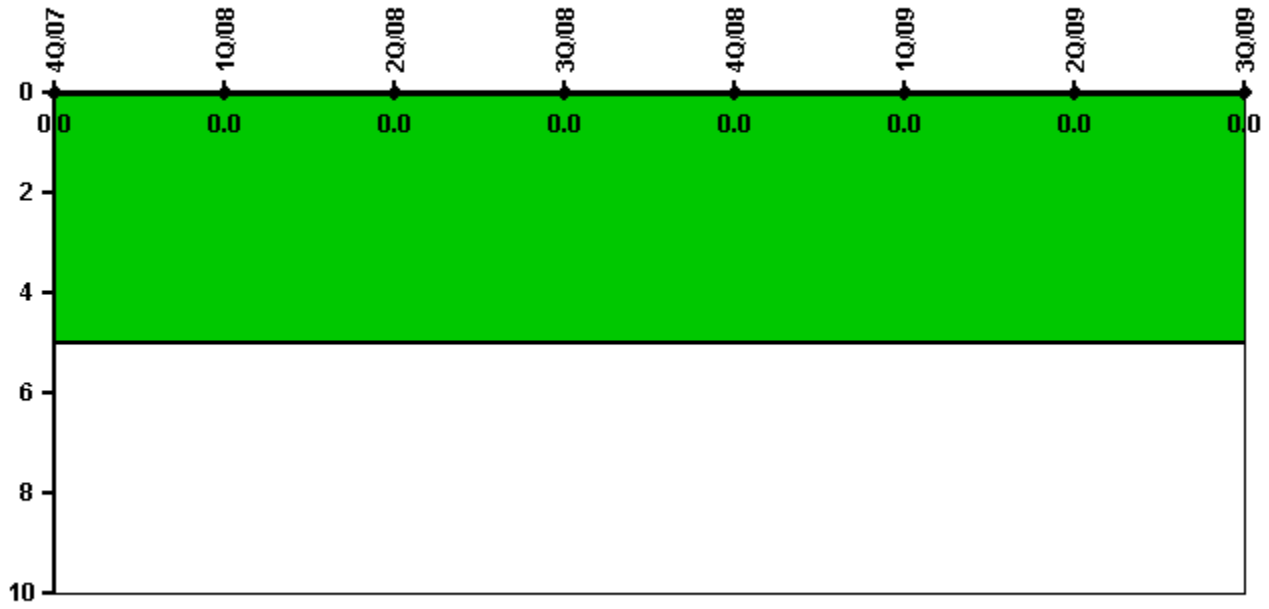
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/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)



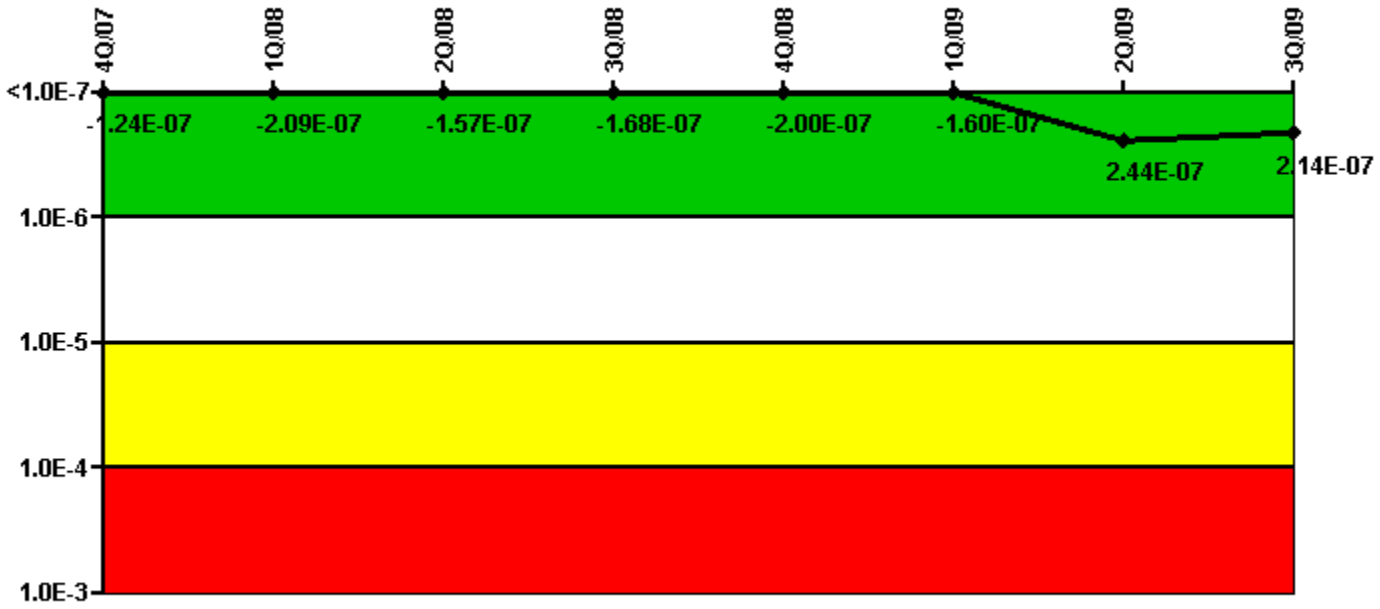
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



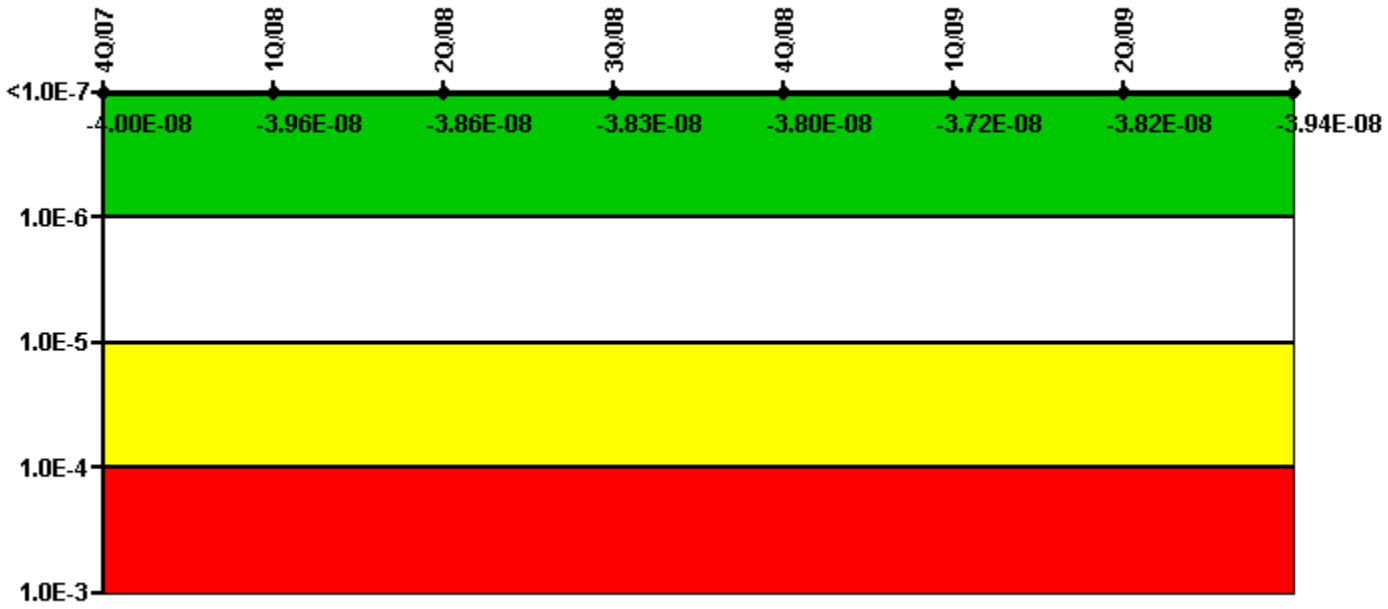
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	9.60E-08	1.10E-08	8.30E-08	7.20E-08	1.70E-07	2.10E-07	2.40E-07	2.10E-07
URI (ΔCDF)	-2.20E-07	-2.20E-07	-2.40E-07	-2.40E-07	-3.70E-07	-3.70E-07	3.50E-09	3.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.24E-07**	**-2.09E-07**	**-1.57E-07**	**-1.68E-07**	**-2.00E-07**	**-1.60E-07**	**2.44E-07**	**2.14E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



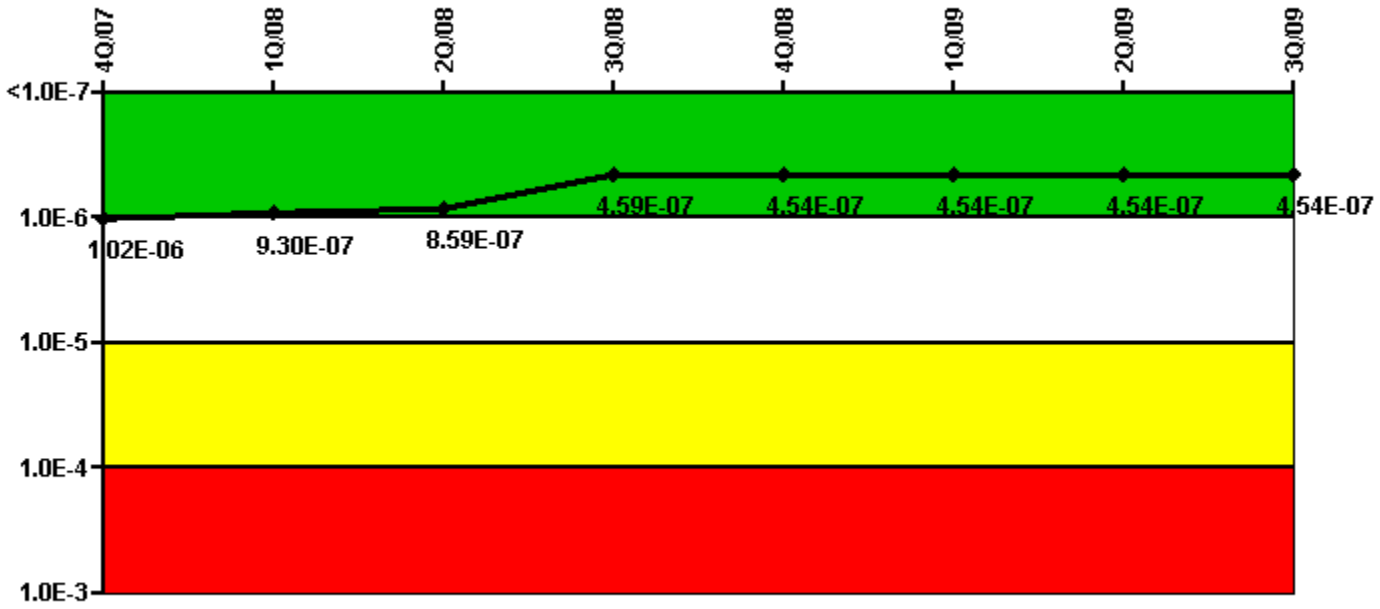
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-4.00E-09	-3.60E-09	-5.60E-09	-5.30E-09	-5.00E-09	-4.20E-09	-5.20E-09	-6.40E-09
URI (ΔCDF)	-3.60E-08	-3.60E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-08**	**-3.96E-08**	**-3.86E-08**	**-3.83E-08**	**-3.80E-08**	**-3.72E-08**	**-3.82E-08**	**-3.94E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



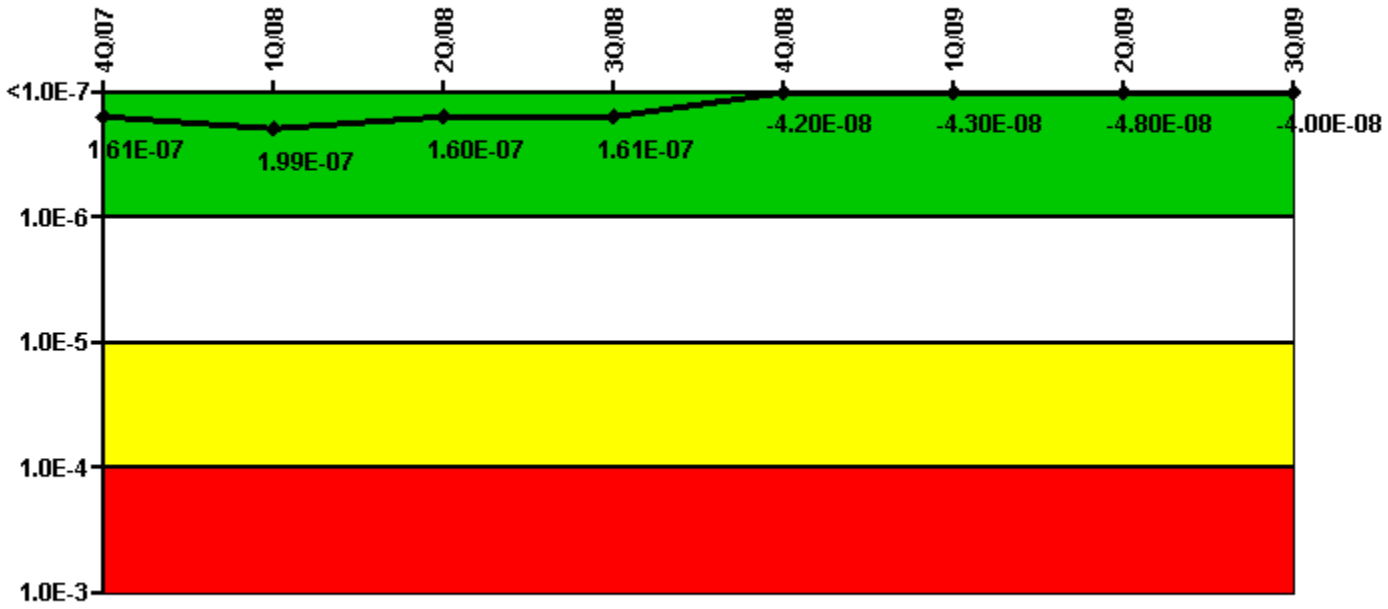
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	2.80E-07	1.90E-07	9.90E-08	2.90E-08	3.40E-08	3.40E-08	3.40E-08	3.40E-08
URI (ΔCDF)	7.40E-07	7.40E-07	7.60E-07	4.30E-07	4.20E-07	4.20E-07	4.20E-07	4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.02E-06**	**9.30E-07**	**8.59E-07**	**4.59E-07**	**4.54E-07**	**4.54E-07**	**4.54E-07**	**4.54E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



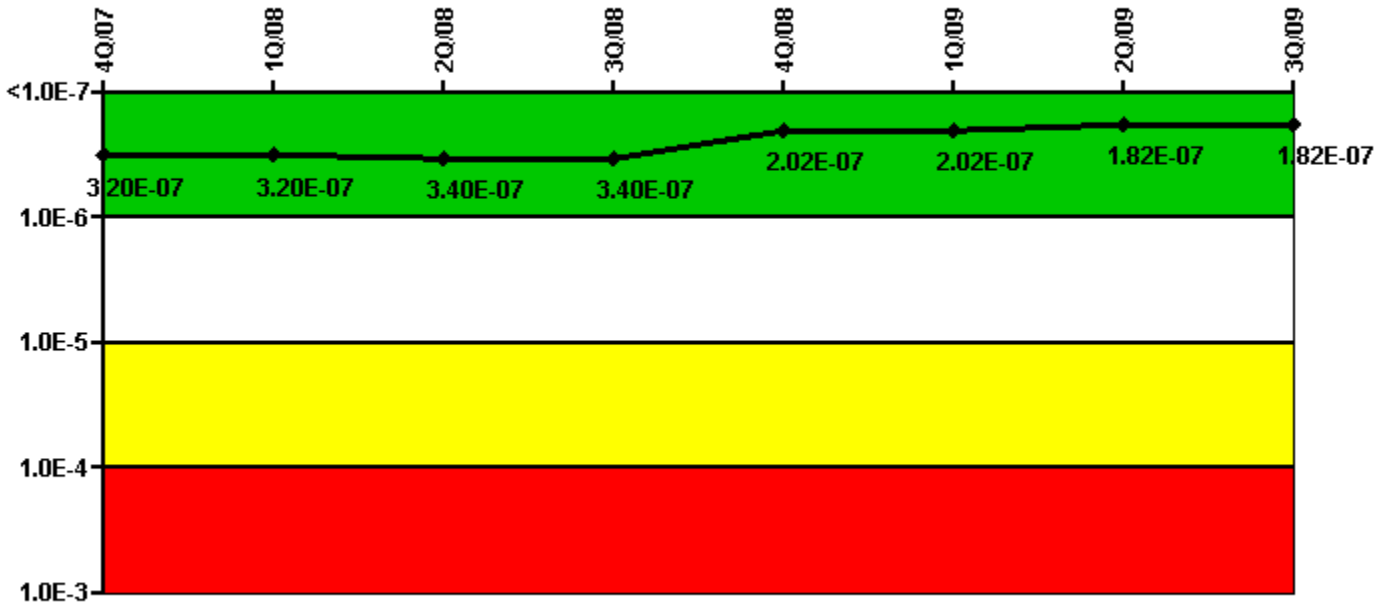
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	-9.20E-09	2.90E-08	3.00E-08	3.10E-08	4.00E-08	3.90E-08	3.40E-08	4.20E-08
URI (ΔCDF)	1.70E-07	1.70E-07	1.30E-07	1.30E-07	-8.20E-08	-8.20E-08	-8.20E-08	-8.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.61E-07**	**1.99E-07**	**1.60E-07**	**1.61E-07**	**-4.20E-08**	**-4.30E-08**	**-4.80E-08**	**-4.00E-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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	1.70E-07	1.70E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.60E-07	1.60E-07
URI (ΔCDF)	1.50E-07	1.50E-07	1.60E-07	1.60E-07	2.20E-08	2.20E-08	2.20E-08	2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.20E-07**	**3.20E-07**	**3.40E-07**	**3.40E-07**	**2.02E-07**	**2.02E-07**	**1.82E-07**	**1.82E-07**

Licensee Comments:

3Q/09: Changed PRA Parameter(s).

2Q/09: Changed PRA Parameter(s).

1Q/09: Changed PRA Parameter(s).

4Q/08: Changed PRA Parameter(s).

3Q/08: Changed PRA Parameter(s).

2Q/08: Changed PRA Parameter(s).

1Q/08: Changed PRA Parameter(s).

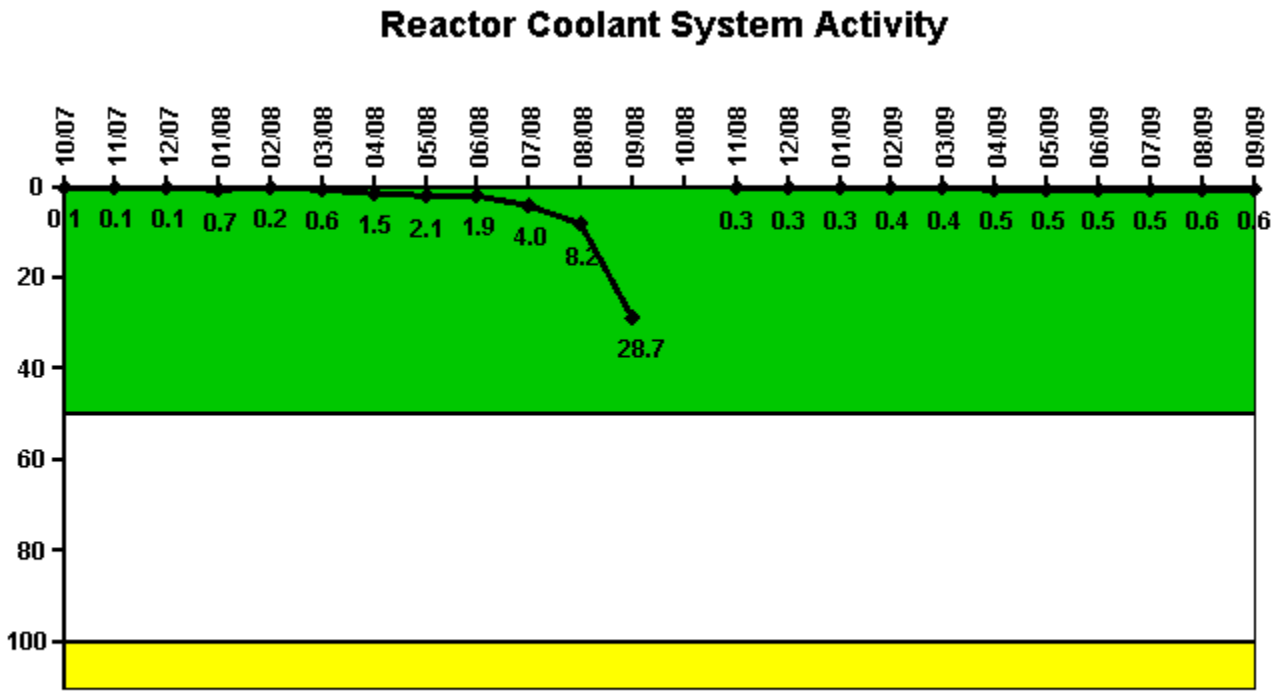
4Q/07: Changed PRA Parameter(s). UABLU value for Pump Train C was corrected from 7.70e-03 to 7.70e-04 effective back to 2Q2006. This correction was due to a data entry error. The correction had no significant impact and the indicator remained GREEN over the affected period.

3Q/07: Changed PRA Parameter(s).

2Q/07: Changed PRA Parameter(s).

1Q/07: Changed PRA Parameter(s).

4Q/06: Changed PRA Parameter(s).



Thresholds: White > 50.0 Yellow > 100.0

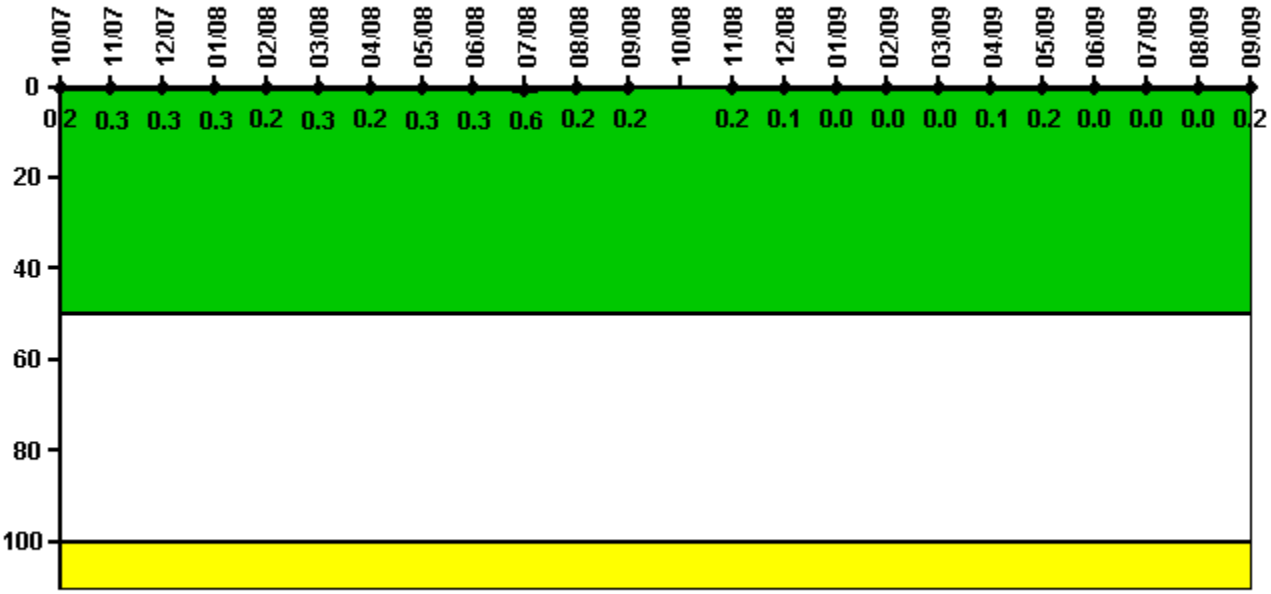
Notes

Reactor Coolant System Activity	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum activity	0.000165	0.000216	0.000179	0.001828	0.000584	0.001477	0.003854	0.005349	0.004734	0.010120	0.020520	0.071690
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	**0.1**	**0.1**	**0.1**	**0.7**	**0.2**	**0.6**	**1.5**	**2.1**	**1.9**	**4.0**	**8.2**	**28.7**

Reactor Coolant System Activity	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum activity	N/A	0.000654	0.000805	0.000874	0.000941	0.001085	0.001152	0.001271	0.001310	0.001361	0.001438	0.001524
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	**N/A**	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**0.5**	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

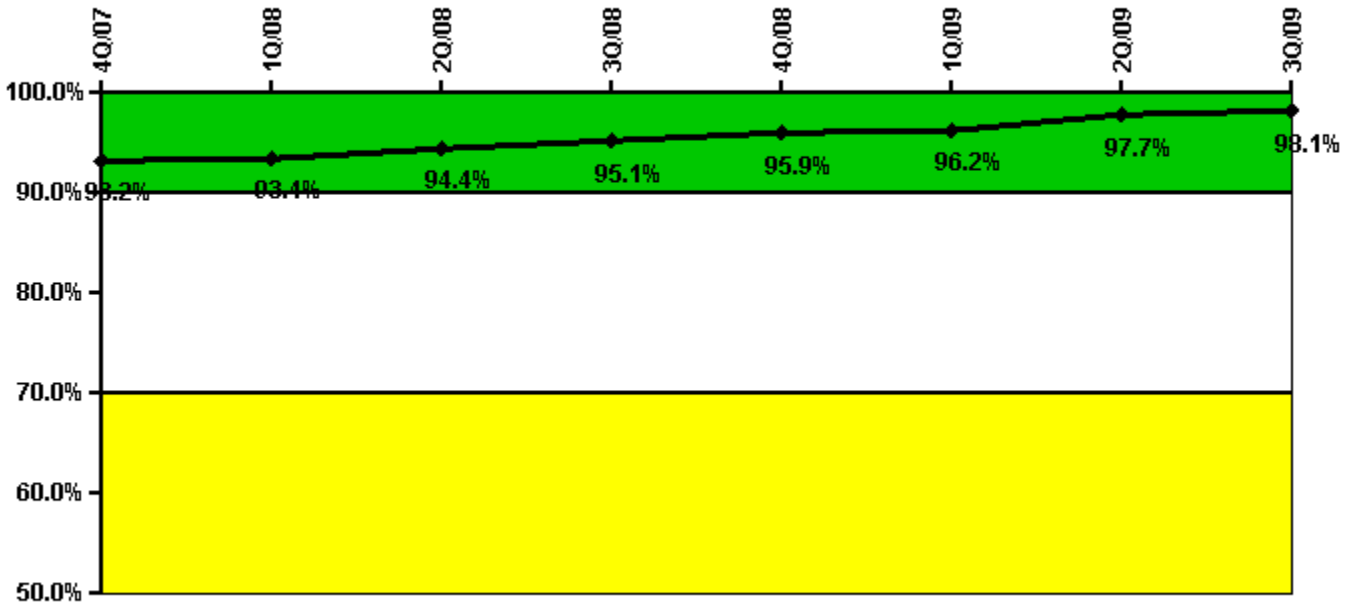
Notes

Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0.020	0.030	0.030	0.030	0.020	0.030	0.020	0.030	0.030	0.060	0.020	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**	**0.3**	**0.3**	**0.3**	**0.2**	**0.3**	**0.2**	**0.3**	**0.3**	**0.6**	**0.2**	**0.2**

Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	N/A	0.020	0.010	0	0	0	0.010	0.020	0	0	0	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	**N/A**	**0.2**	**0.1**	**0**	**0**	**0**	**0.1**	**0.2**	**0**	**0**	**0**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

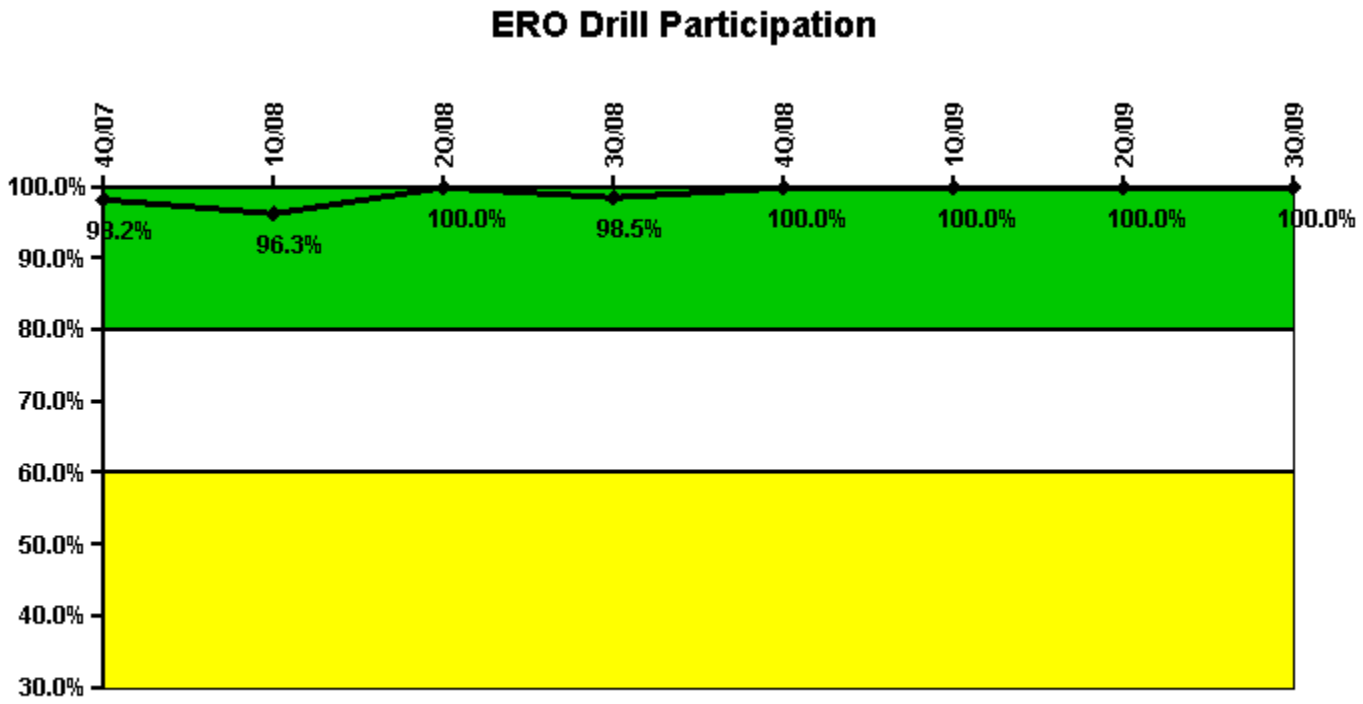


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	20.0	20.0	38.0	22.0	21.0	30.0	44.0	9.0
Total opportunities	22.0	20.0	38.0	22.0	21.0	31.0	45.0	9.0
Indicator value	**93.2%**	**93.4%**	**94.4%**	**95.1%**	**95.9%**	**96.2%**	**97.7%**	**98.1%**

Licensee Comments: none



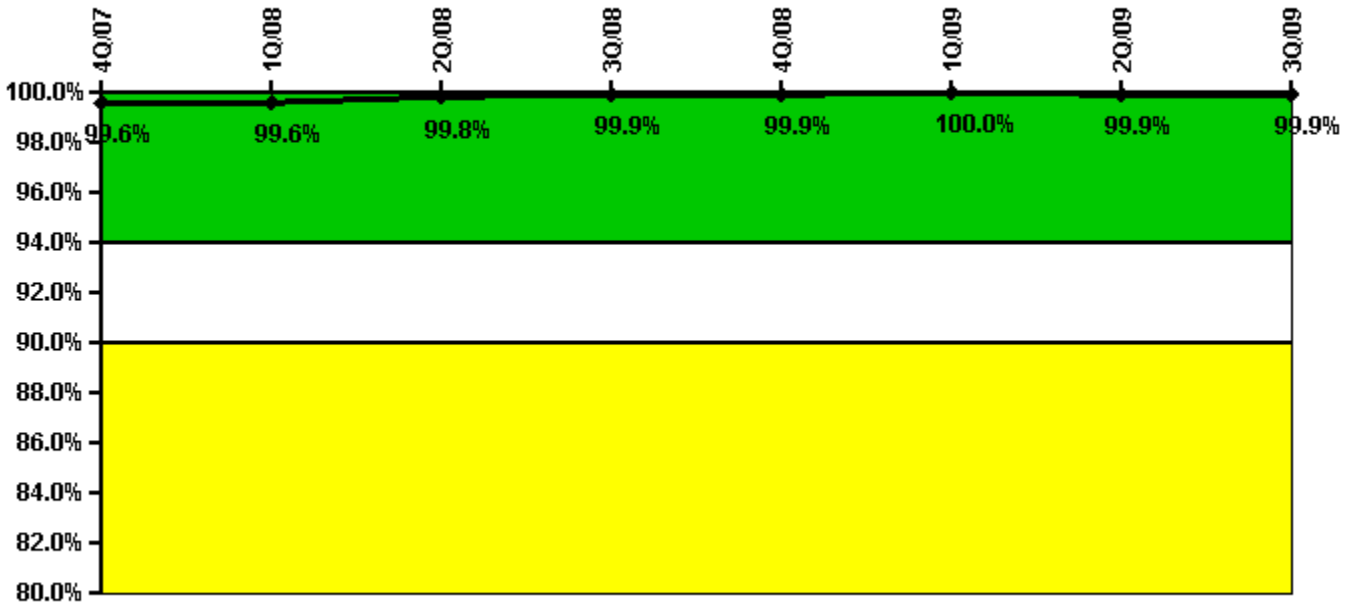
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	54.0	52.0	63.0	64.0	54.0	51.0	48.0	48.0
Total Key personnel	55.0	54.0	63.0	65.0	54.0	51.0	48.0	48.0
Indicator value	**98.2%**	**96.3%**	**100.0%**	**98.5%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System



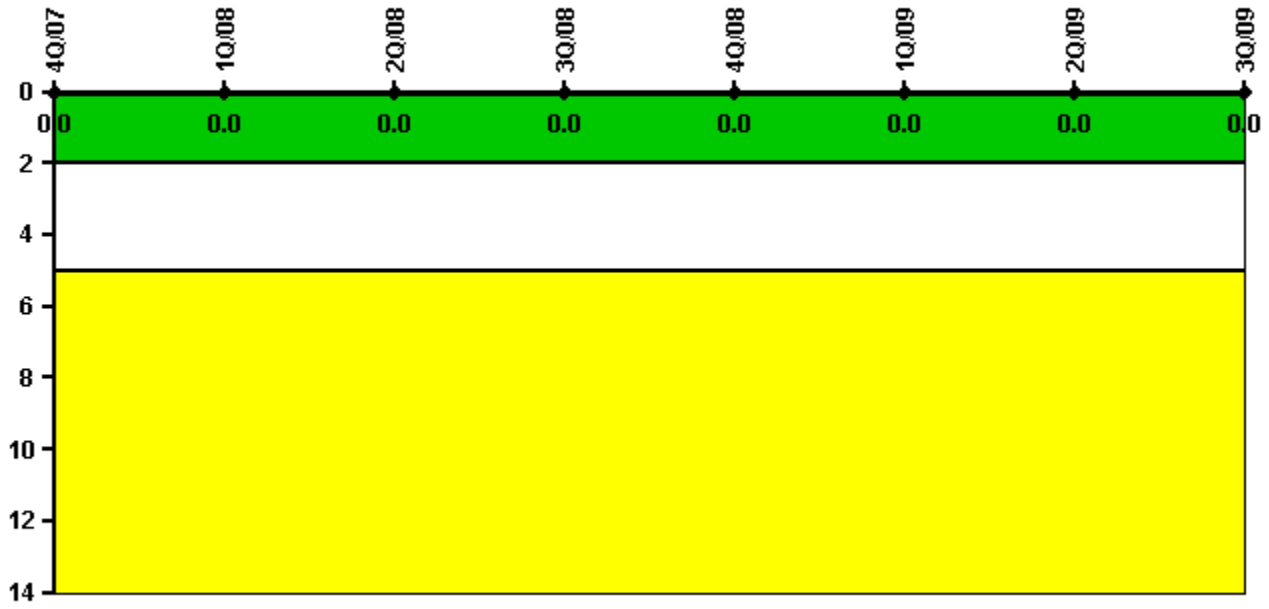
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	765	640	826	826	885	767	765	767
Total sirens-tests	765	644	826	826	885	767	767	767
Indicator value	**99.6%**	**99.6%**	**99.8%**	**99.9%**	**99.9%**	**100.0%**	**99.9%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness



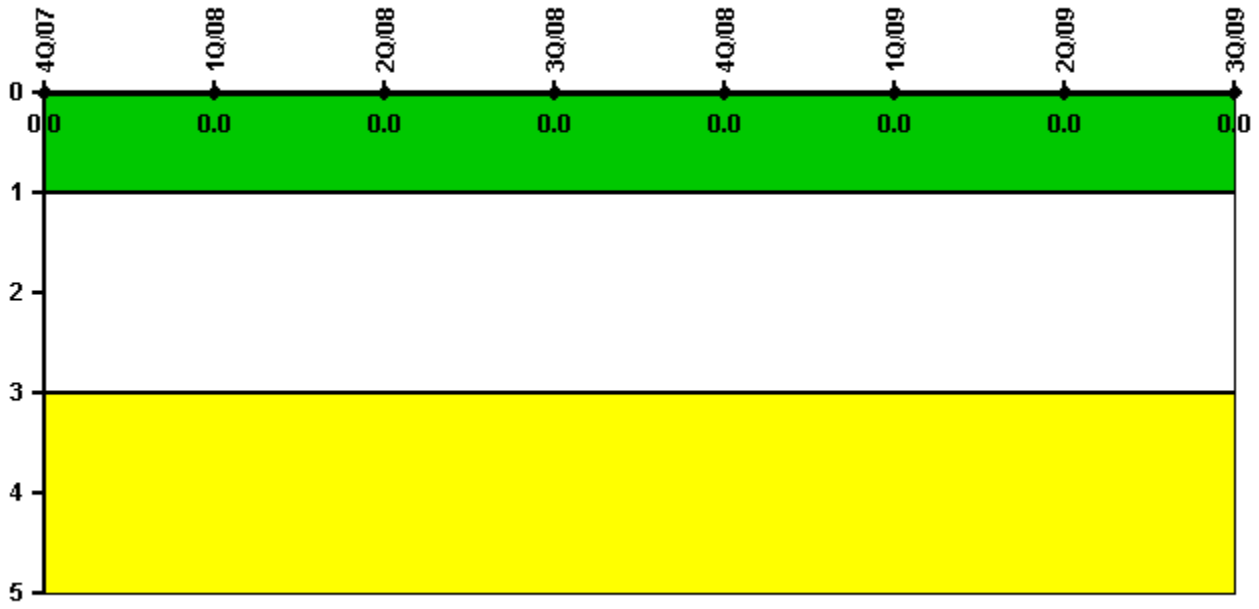
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/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.

Last Modified: November 30, 2009