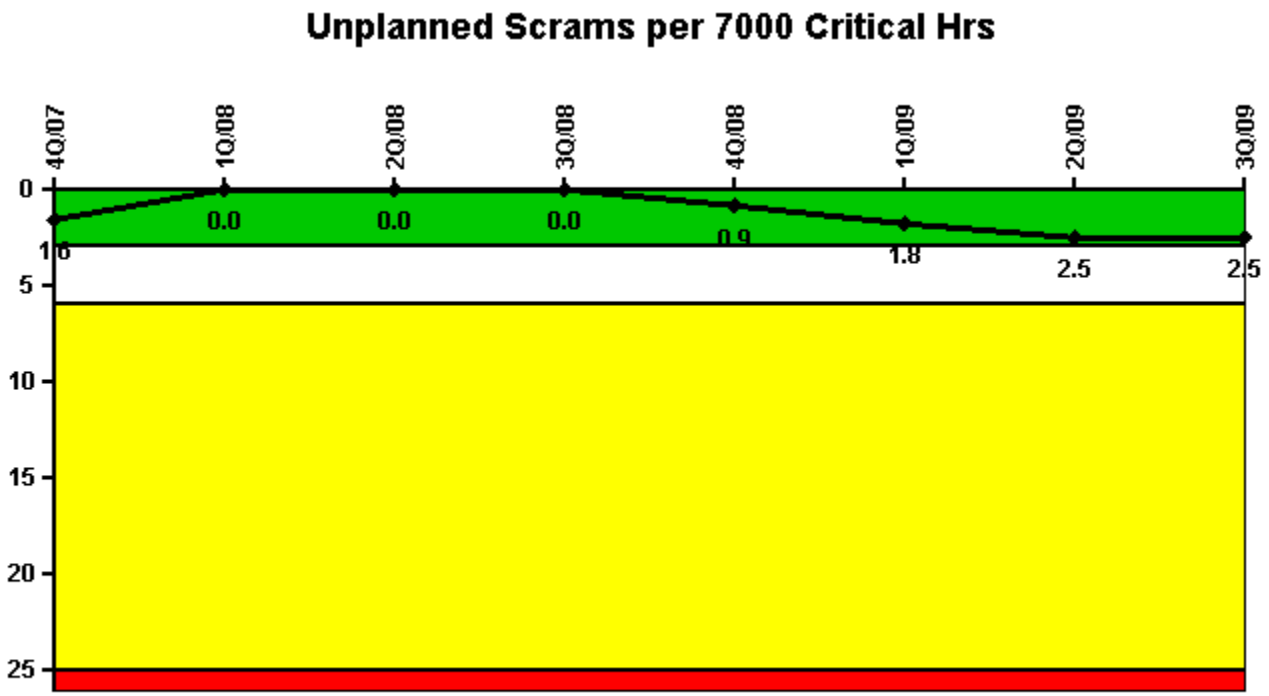
Sequoyah 2

3Q/2009 Performance Indicators

Licensee's General Comments: none



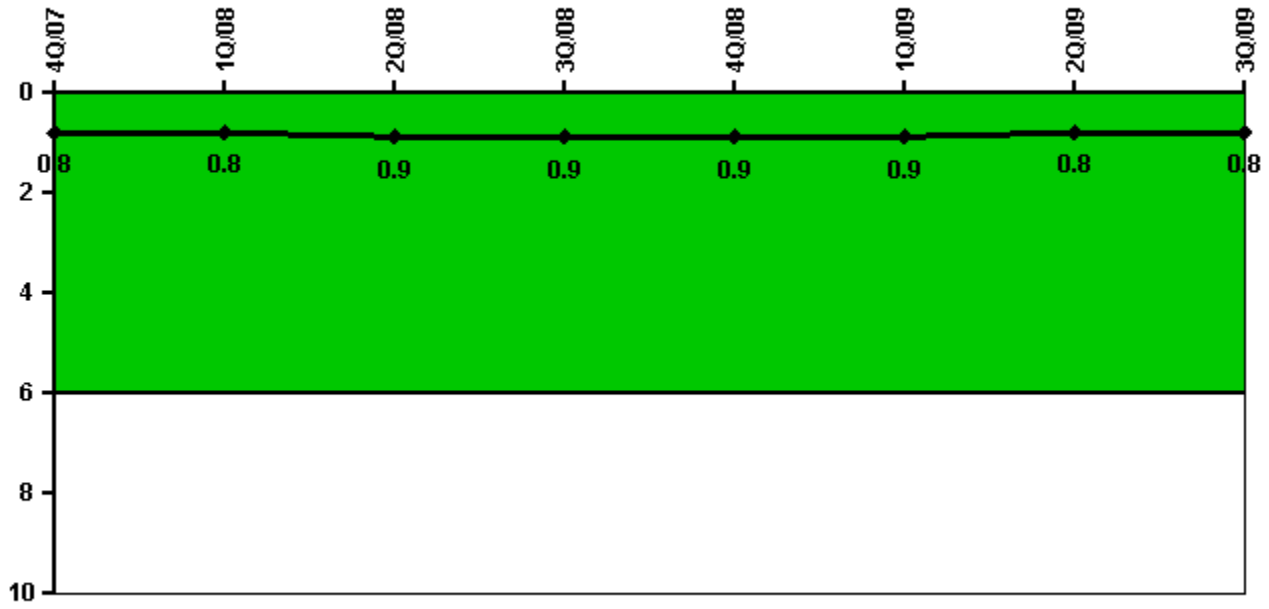
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	1.0	0
Critical hours	2209.0	2183.0	1464.5	2177.2	1988.8	2092.2	2117.7	2208.0
Indicator value	**1.6**	**0**	**0**	**0**	**0.9**	**1.8**	**2.5**	**2.5**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



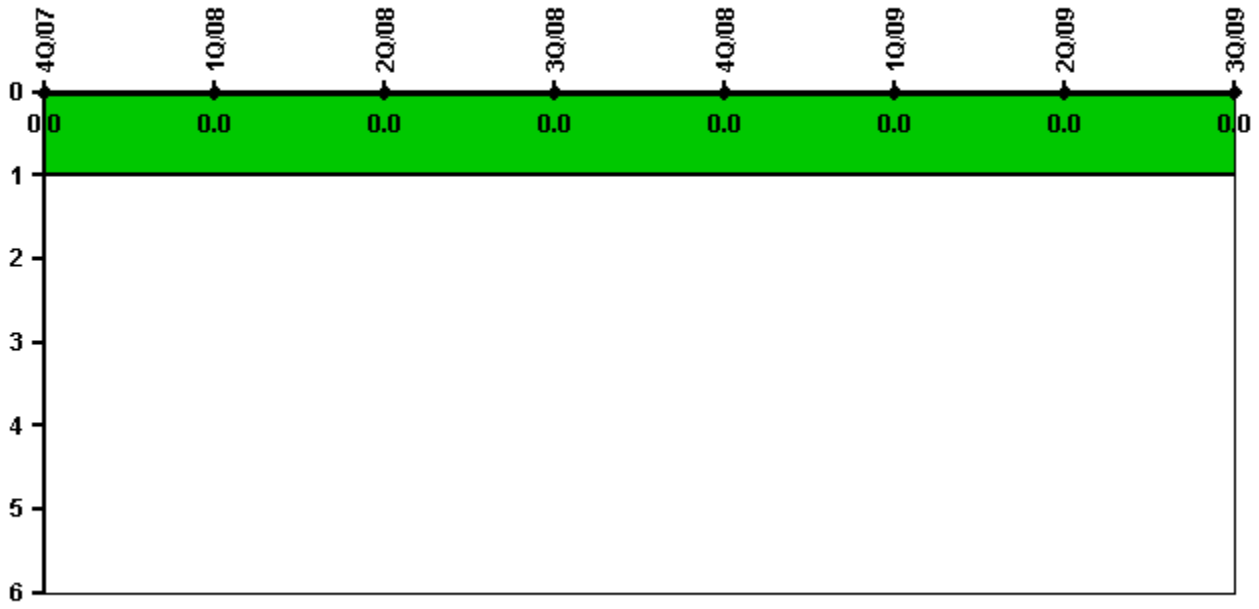
Thresholds: White > 6.0

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	1.0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2183.0	1464.5	2177.2	1988.8	2092.2	2117.7	2208.0
Indicator value	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Unplanned Scrams with Complications



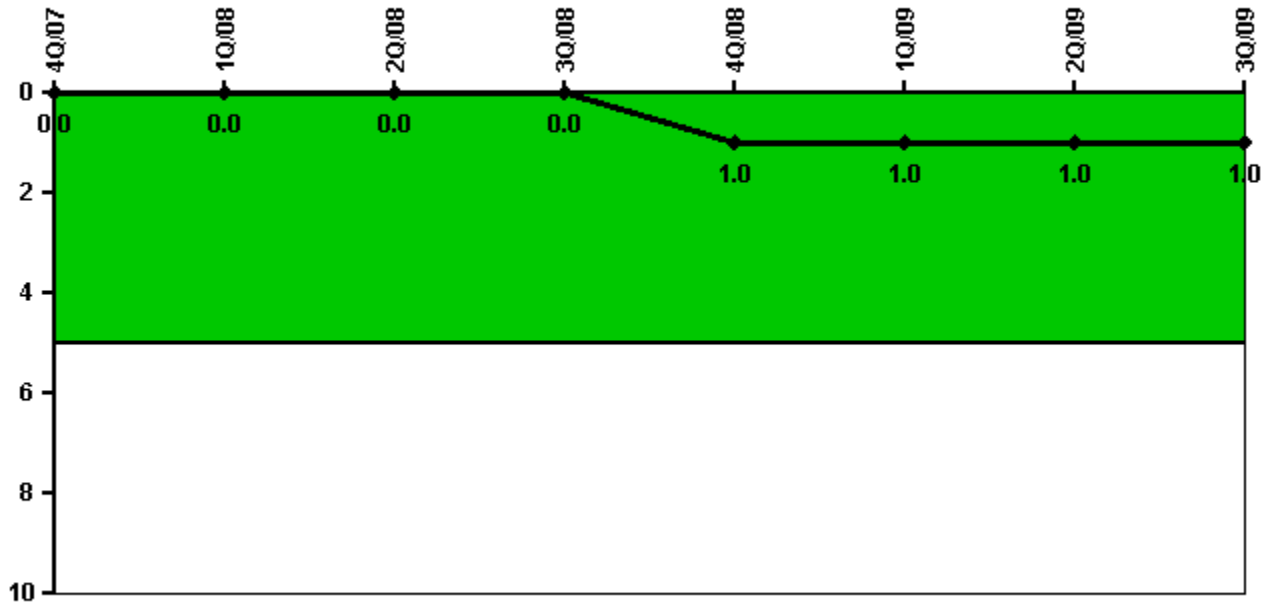
Thresholds: White > 1.0

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)



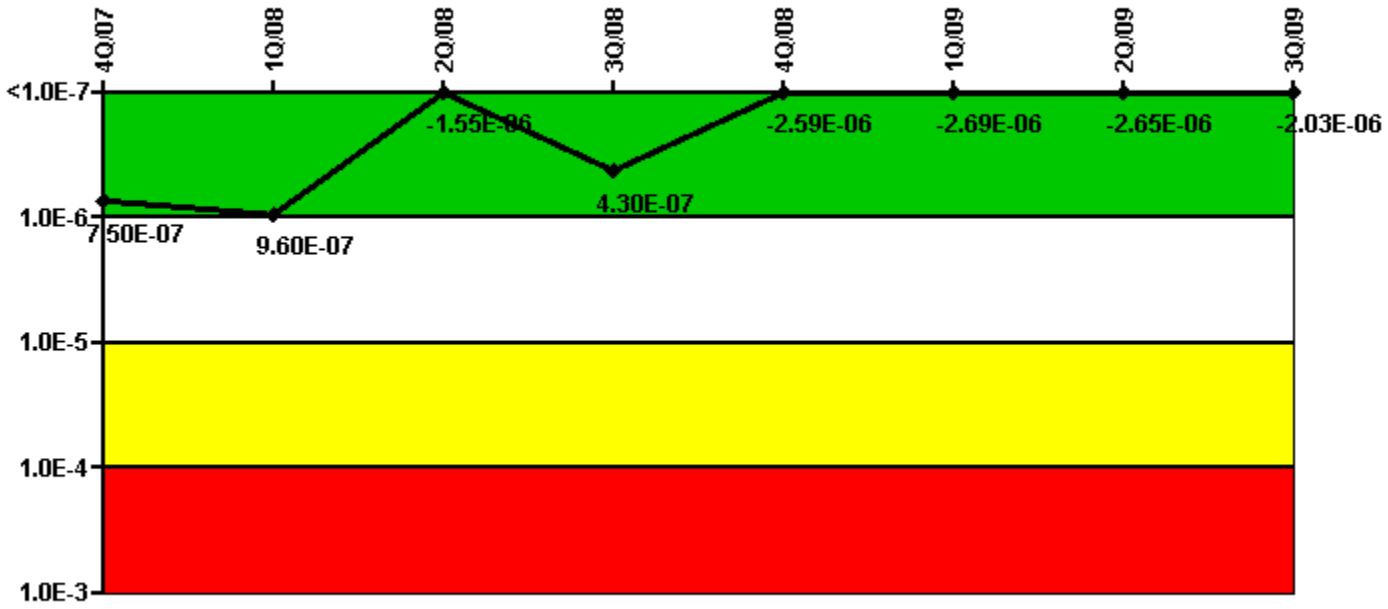
Thresholds: White > 5.0

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



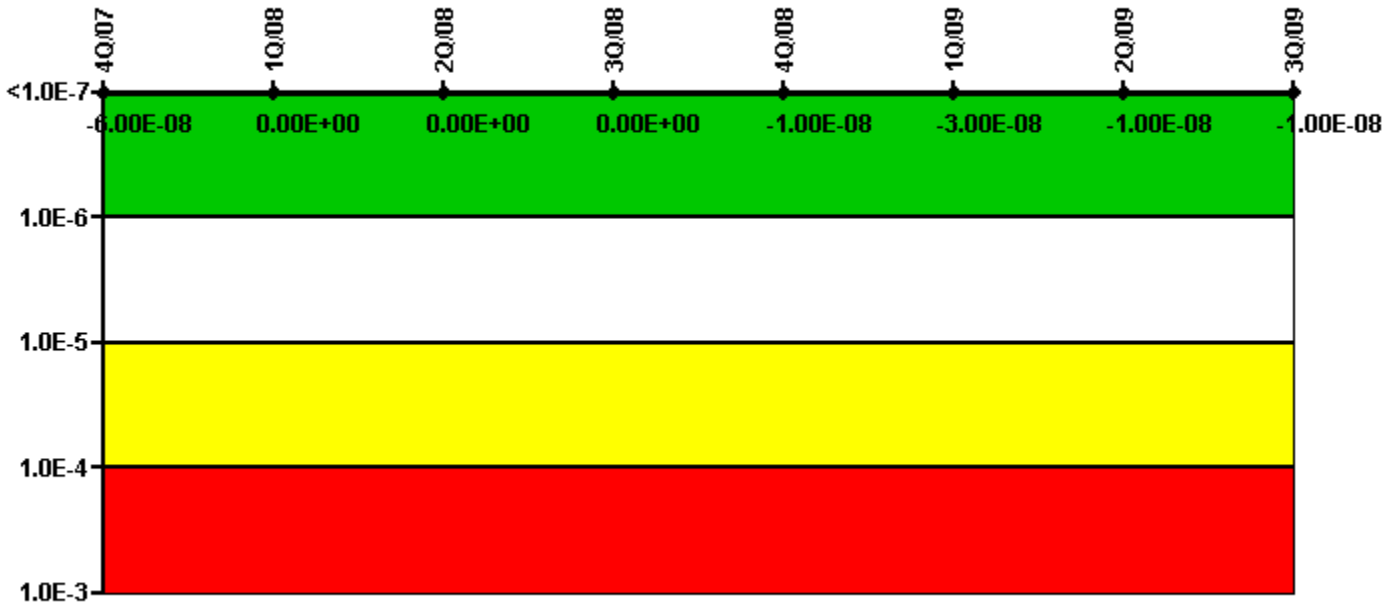
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	-2.40E-07	-2.40E-07	-2.50E-07	-2.50E-07	-2.90E-07	-2.90E-07	-2.50E-07	-3.40E-08
URI (ΔCDF)	9.90E-07	1.20E-06	-1.30E-06	6.80E-07	-2.30E-06	-2.40E-06	-2.40E-06	-2.00E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.50E-07**	**9.60E-07**	**-1.55E-06**	**4.30E-07**	**-2.59E-06**	**-2.69E-06**	**-2.65E-06**	**-2.03E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



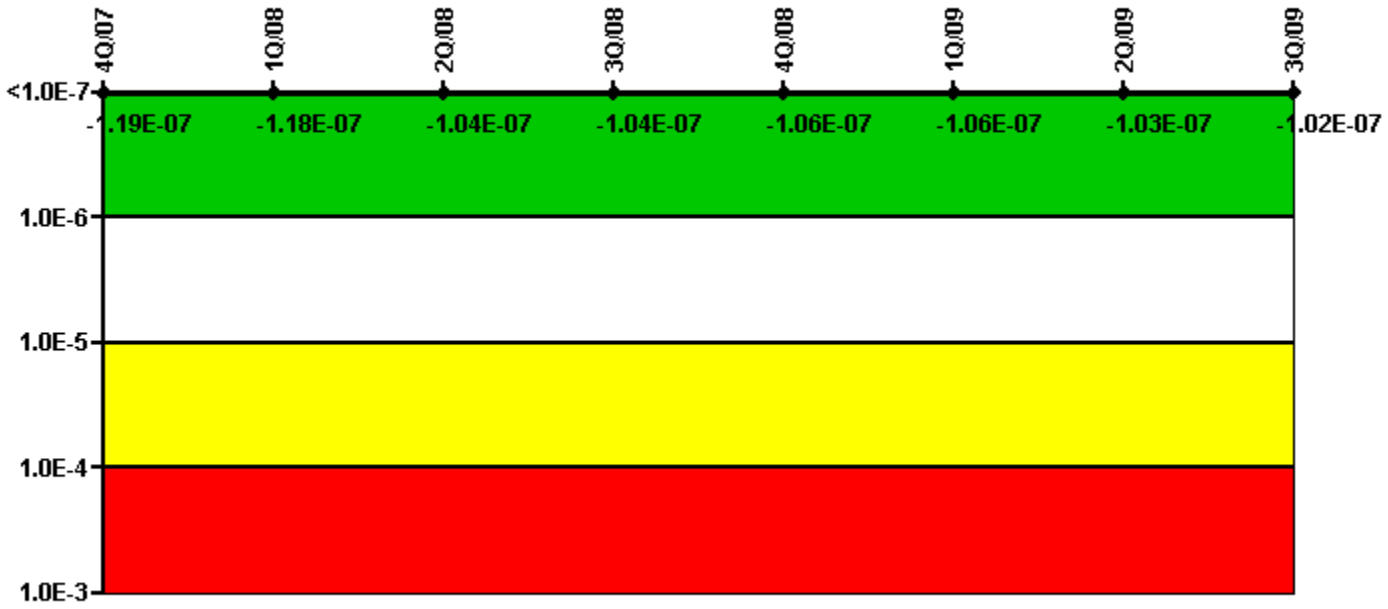
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	1.10E-07	1.70E-07	1.70E-07	1.70E-07	1.60E-07	1.40E-07	1.60E-07	1.60E-07
URI (ΔCDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.00E-08**	**0.00E+00**	**0.00E+00**	**0.00E+00**	**-1.00E-08**	**-3.00E-08**	**-1.00E-08**	**-1.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



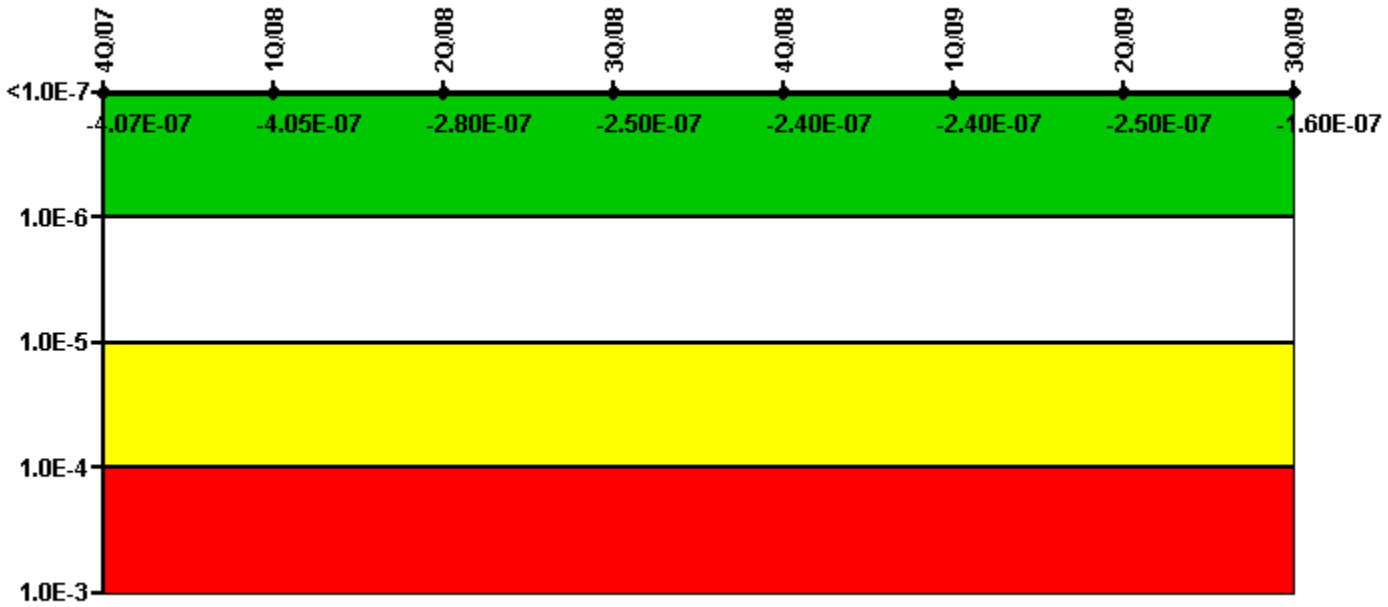
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-2.30E-08	-2.30E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-1.70E-08	-1.60E-08
URI (ΔCDF)	-9.60E-08	-9.50E-08	-8.20E-08	-8.20E-08	-8.40E-08	-8.40E-08	-8.60E-08	-8.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.19E-07**	**-1.18E-07**	**-1.04E-07**	**-1.04E-07**	**-1.06E-07**	**-1.06E-07**	**-1.03E-07**	**-1.02E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



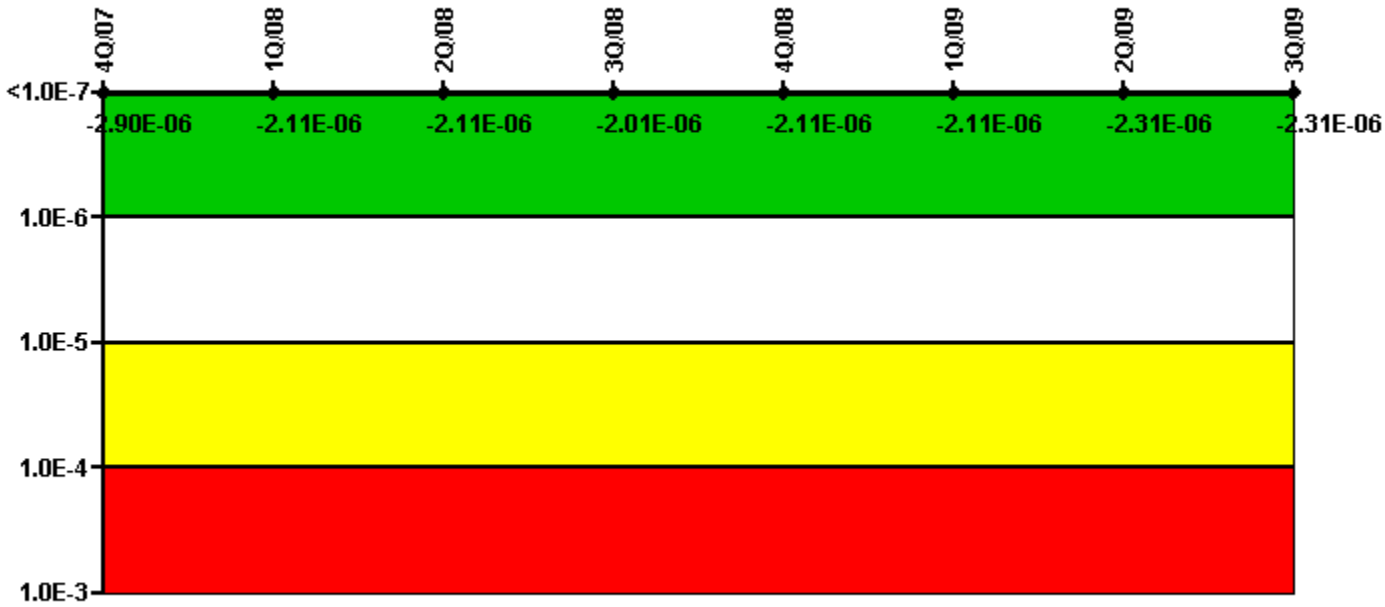
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-4.70E-08	-4.50E-08	8.00E-08	1.10E-07	1.20E-07	1.20E-07	1.10E-07	2.00E-07
URI (ΔCDF)	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07	-3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.07E-07**	**-4.05E-07**	**-2.80E-07**	**-2.50E-07**	**-2.40E-07**	**-2.40E-07**	**-2.50E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

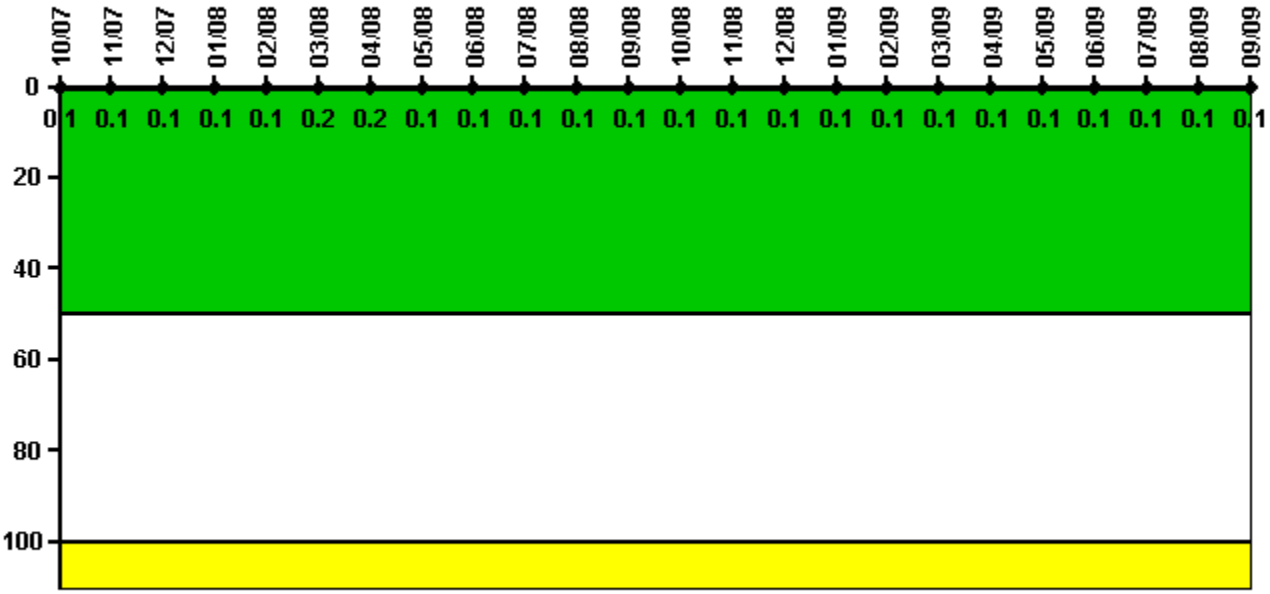
Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-2.70E-06	-2.70E-06	-2.70E-06	-2.60E-06	-2.70E-06	-2.70E-06	-2.90E-06	-2.90E-06
URI (ΔCDF)	-2.00E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07	5.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-06**	**-2.11E-06**	**-2.11E-06**	**-2.01E-06**	**-2.11E-06**	**-2.11E-06**	**-2.31E-06**	**-2.31E-06**

Licensee Comments:

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

Reactor Coolant System Activity



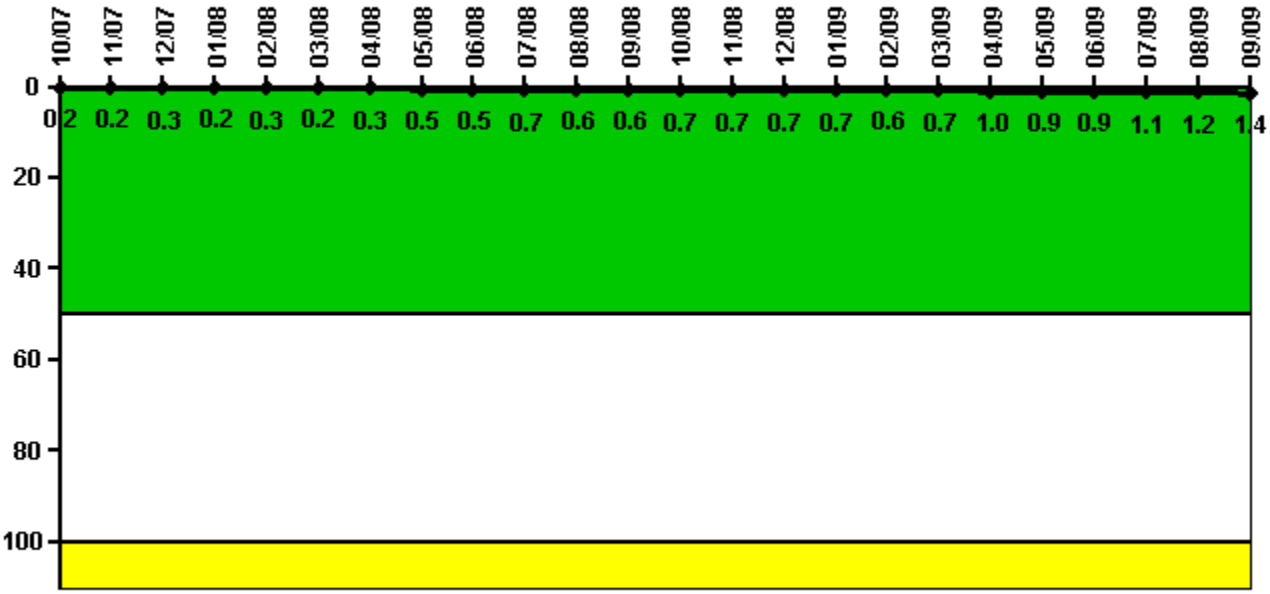
Thresholds: White > 50.0 Yellow > 100.0

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	0.000414	0.000403	0.000426	0.000418	0.000436	0.000601	0.000598	0.000462	0.000316	0.000313	0.000383	0.000309
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
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	0.000382	0.000322	0.000368	0.000403	0.000346	0.000368	0.000353	0.000356	0.000374	0.000394	0.000383	0.000417
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage



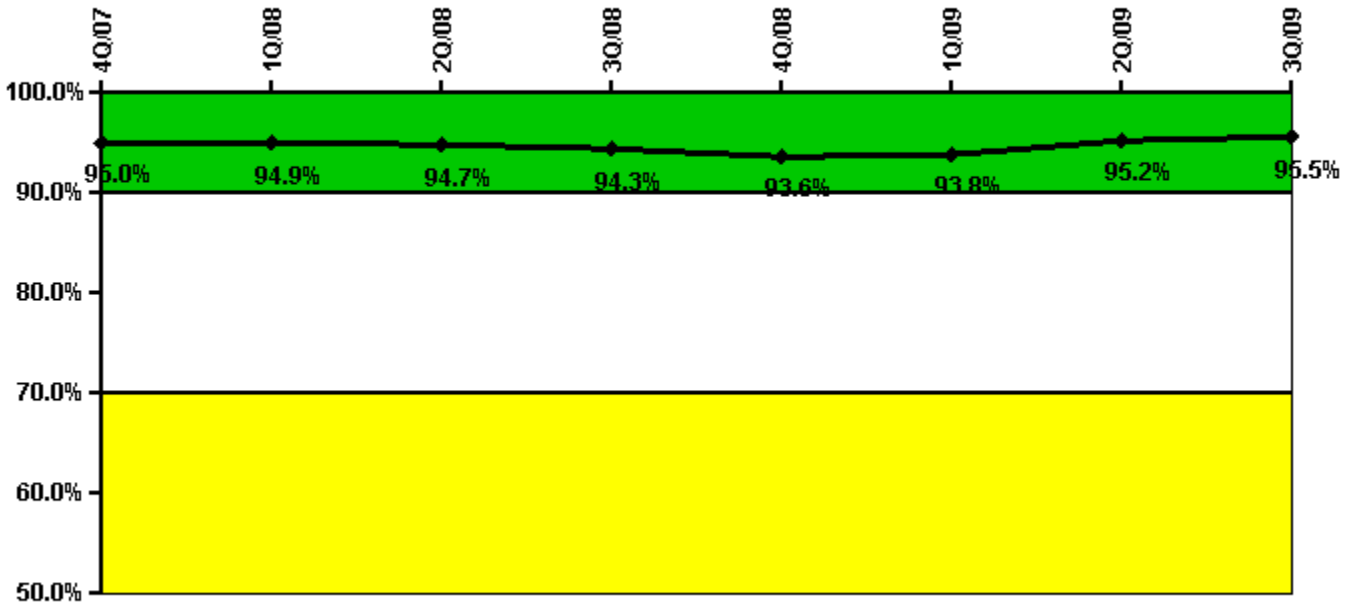
Thresholds: White > 50.0 Yellow > 100.0

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	0.020	0.030	0.020	0.030	0.020	0.030	0.050	0.050	0.070	0.060	0.060
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**	**0.3**	**0.2**	**0.3**	**0.2**	**0.3**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**
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	0.070	0.070	0.070	0.070	0.060	0.070	0.100	0.090	0.090	0.110	0.120	0.140
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	**0.7**	**0.7**	**0.7**	**0.7**	**0.6**	**0.7**	**1.0**	**0.9**	**0.9**	**1.1**	**1.2**	**1.4**

Licensee Comments: none

Drill/Exercise Performance



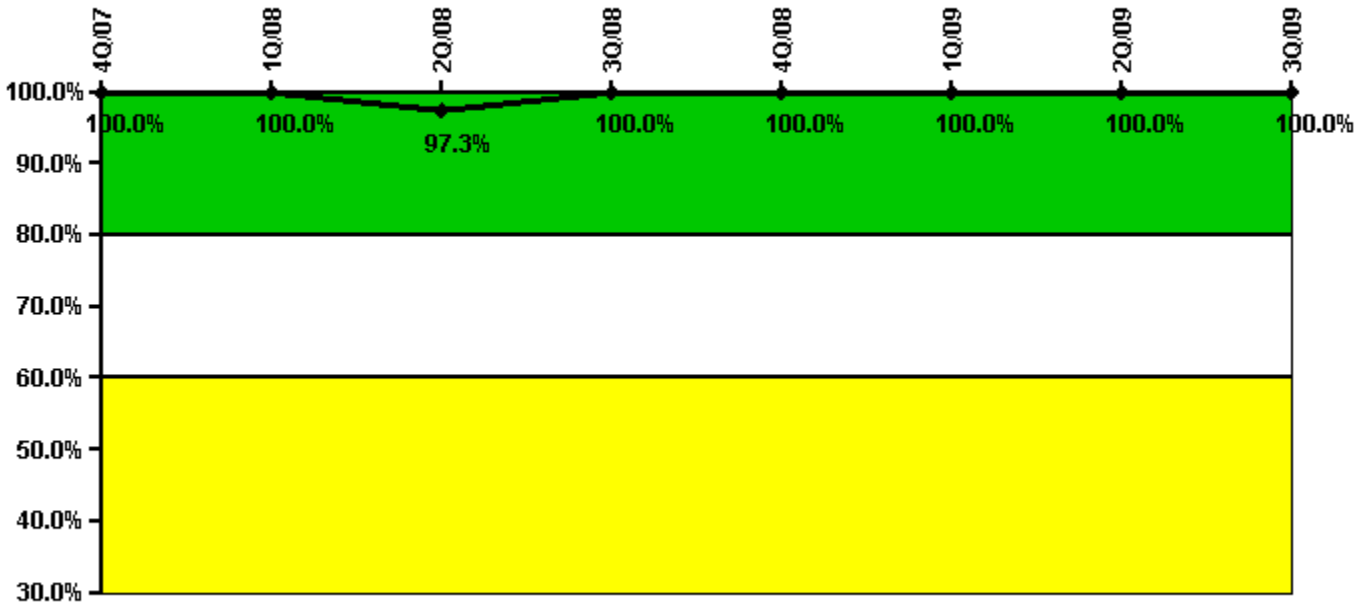
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	30.0	4.0	11.0	42.0	39.0	21.0	40.0	49.0
Total opportunities	32.0	4.0	12.0	43.0	44.0	22.0	40.0	50.0
Indicator value	**95.0%**	**94.9%**	**94.7%**	**94.3%**	**93.6%**	**93.8%**	**95.2%**	**95.5%**

Licensee Comments: none

ERO Drill Participation

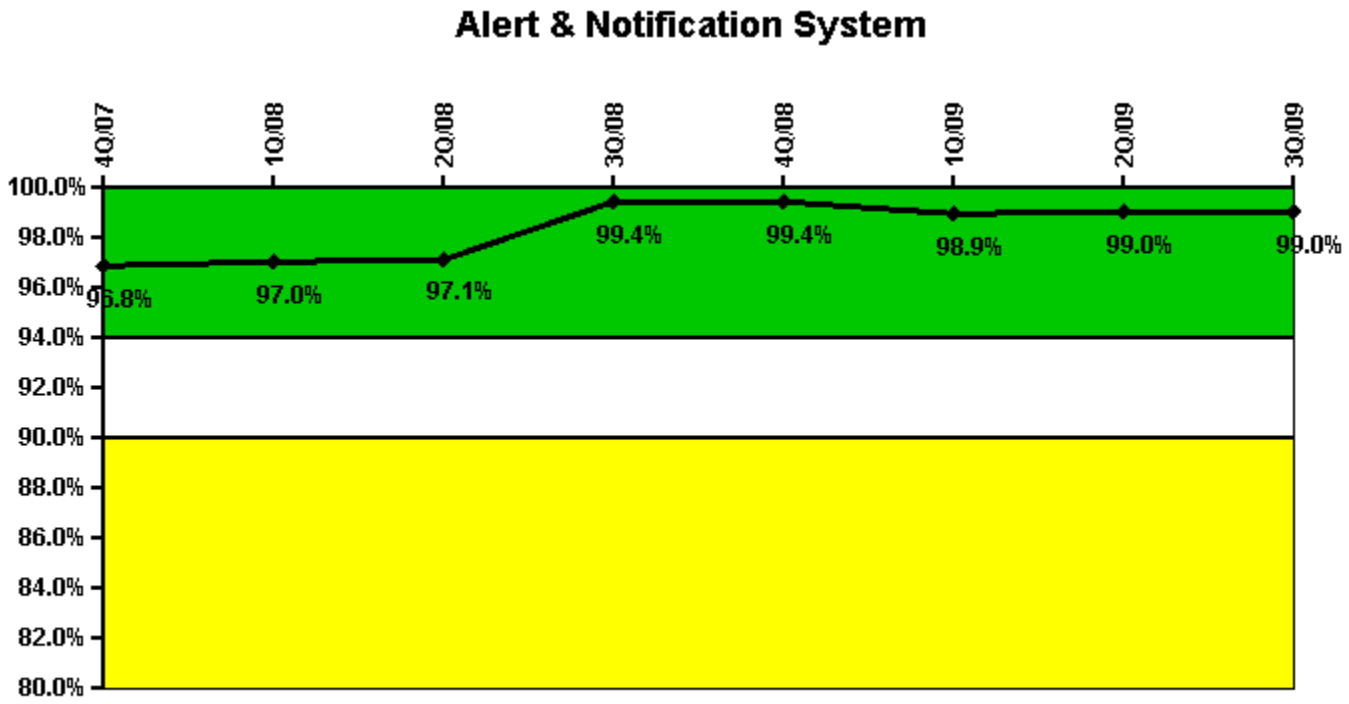


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	88.0	83.0	73.0	87.0	82.0	86.0	79.0	76.0
Total Key personnel	88.0	83.0	75.0	87.0	82.0	86.0	79.0	76.0
Indicator value	**100.0%**	**100.0%**	**97.3%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none



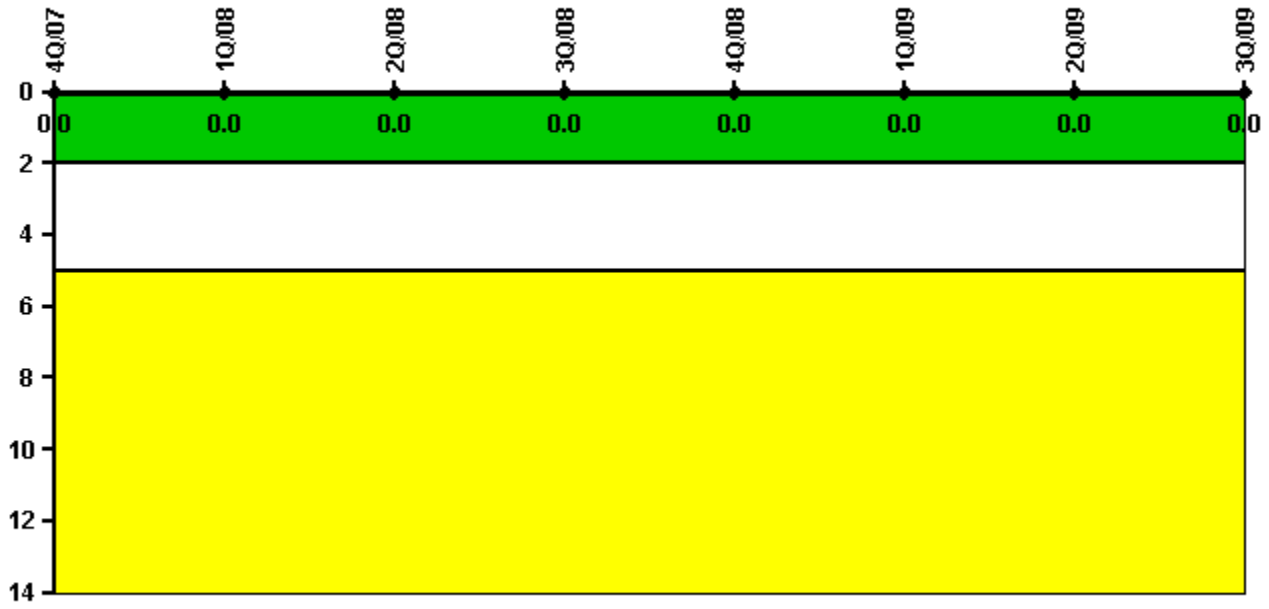
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	964	754	753	751	961	634	969	858
Total sirens-tests	972	756	756	756	972	648	972	864
Indicator value	**96.8%**	**97.0%**	**97.1%**	**99.4%**	**99.4%**	**98.9%**	**99.0%**	**99.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness



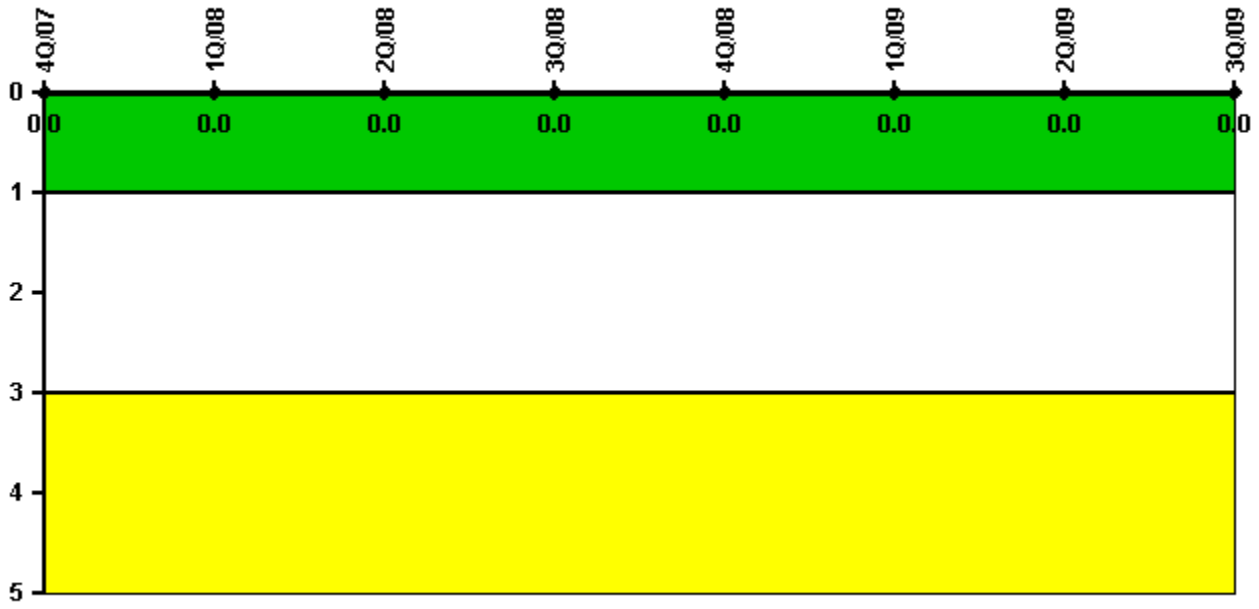
Thresholds: White > 2.0 Yellow > 5.0

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