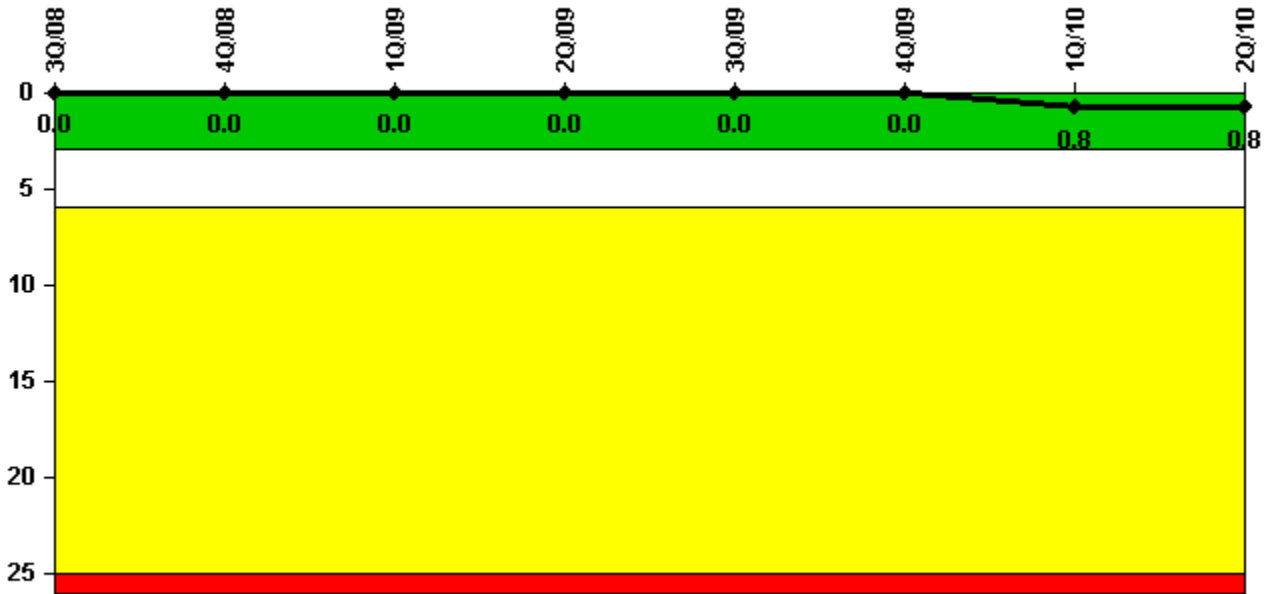


Calvert Cliffs 2

2Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



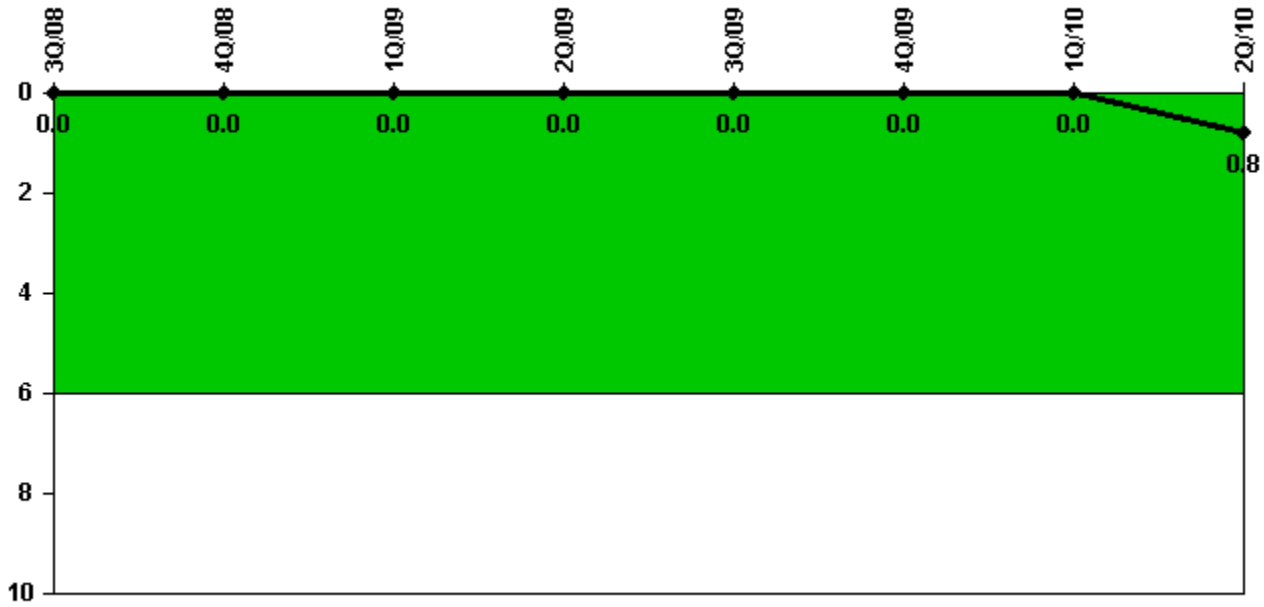
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 1657.0 | 2184.0 | 2208.0 | 2209.0 | 1941.7 | 2184.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



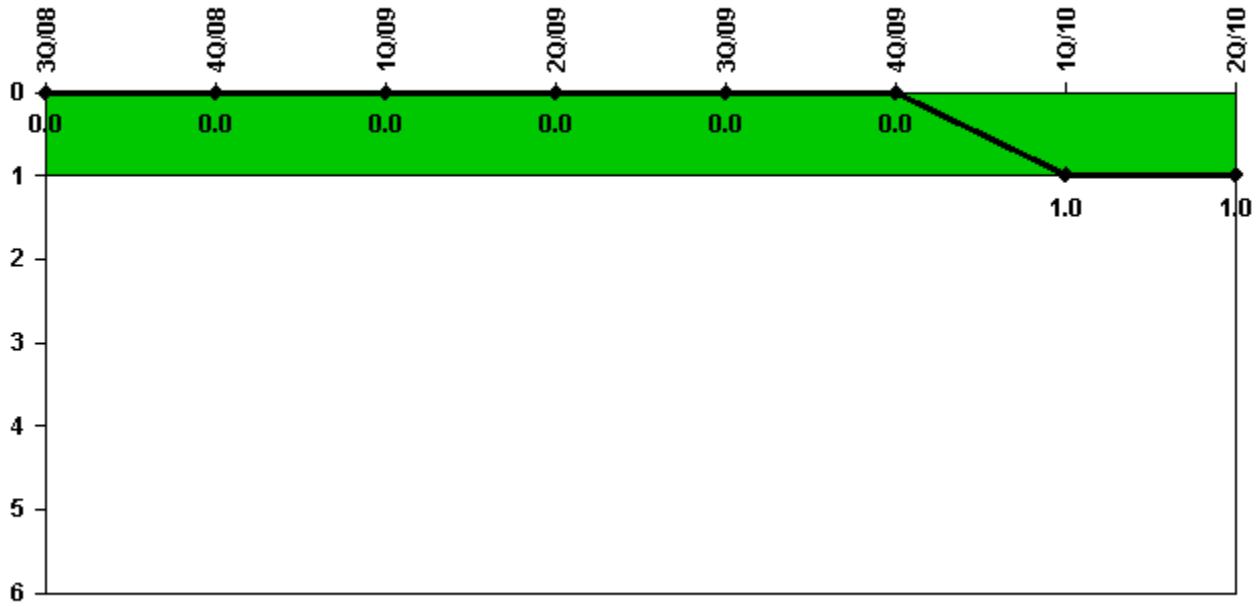
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2208.0 | 2209.0 | 1657.0 | 2184.0 | 2208.0 | 2209.0 | 1941.7 | 2184.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 |

Licensee Comments: none

Unplanned Scrams with Complications



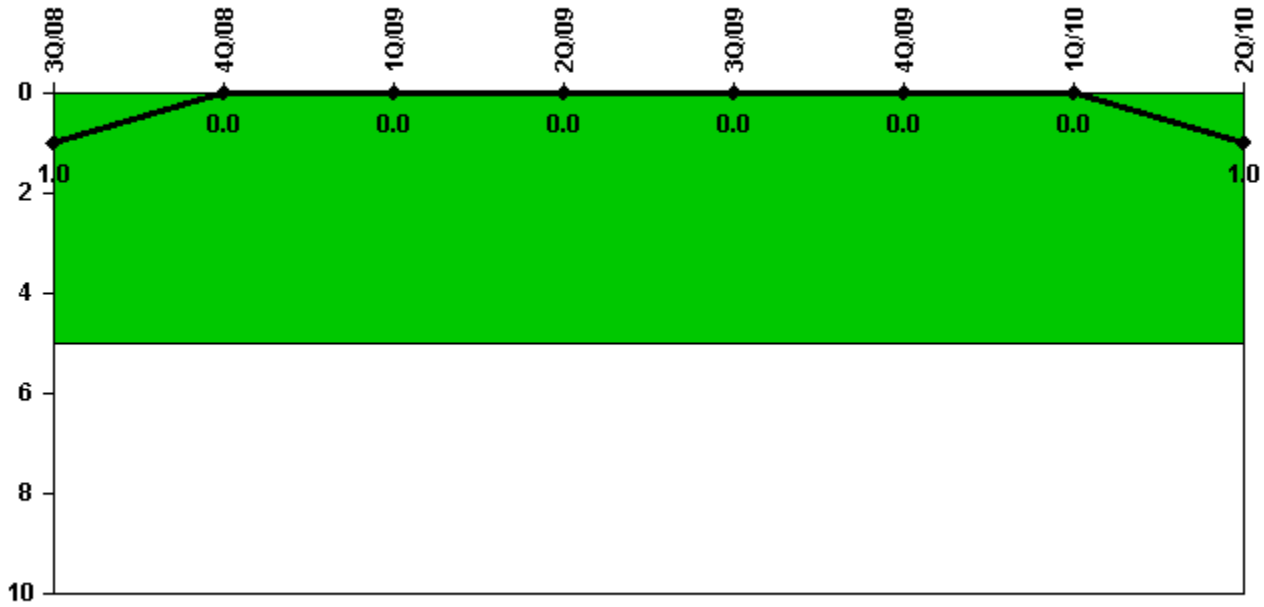
Thresholds: White > 1.0

Notes

| Unplanned Scrams with Complications | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams with complications | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| Indicator value | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 |

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Indicator value | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



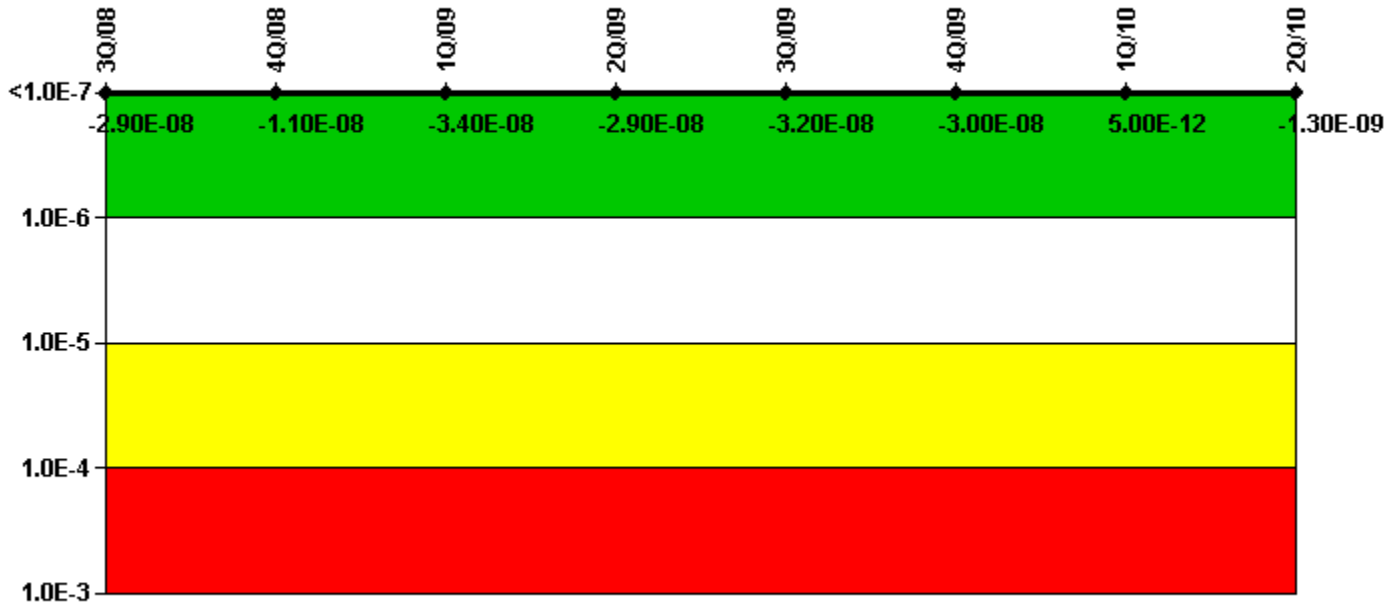
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 4.20E-08 | 1.80E-08 | 2.20E-08 | 5.50E-08 | 5.60E-08 | 7.00E-08 | 1.00E-07 | 9.77E-08 |
| URI (Δ CDF) | -1.30E-07 | -1.20E-07 | -1.20E-07 | -7.40E-08 | -7.40E-08 | -7.40E-08 | -1.46E-08 | -1.40E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -8.80E-08 | -1.02E-07 | -9.80E-08 | -1.90E-08 | -1.80E-08 | -4.00E-09 | 8.60E-08 | 8.40E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



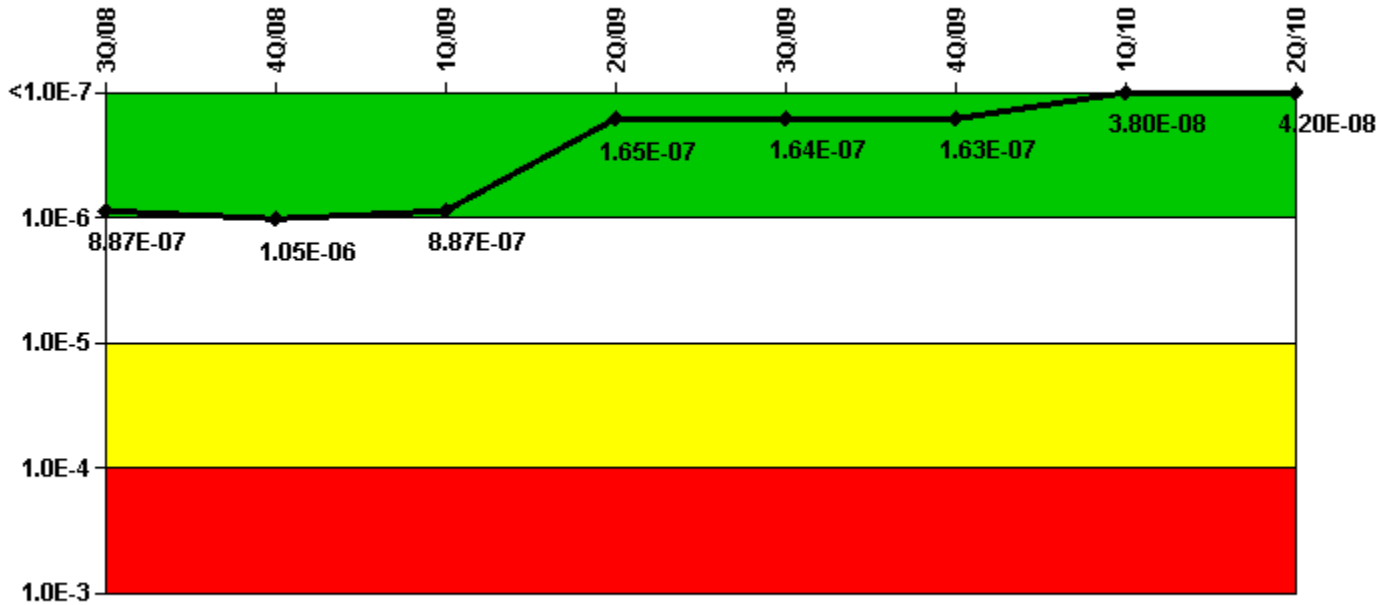
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 6.10E-08 | 7.80E-08 | 6.00E-08 | 4.60E-08 | 4.20E-08 | 4.10E-08 | 6.40E-08 | 6.19E-08 |
| URI (Δ CDF) | -9.00E-08 | -8.90E-08 | -9.40E-08 | -7.50E-08 | -7.40E-08 | -7.10E-08 | -6.40E-08 | -6.31E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -2.90E-08 | -1.10E-08 | -3.40E-08 | -2.90E-08 | -3.20E-08 | -3.00E-08 | 5.00E-12 | -1.30E-09 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



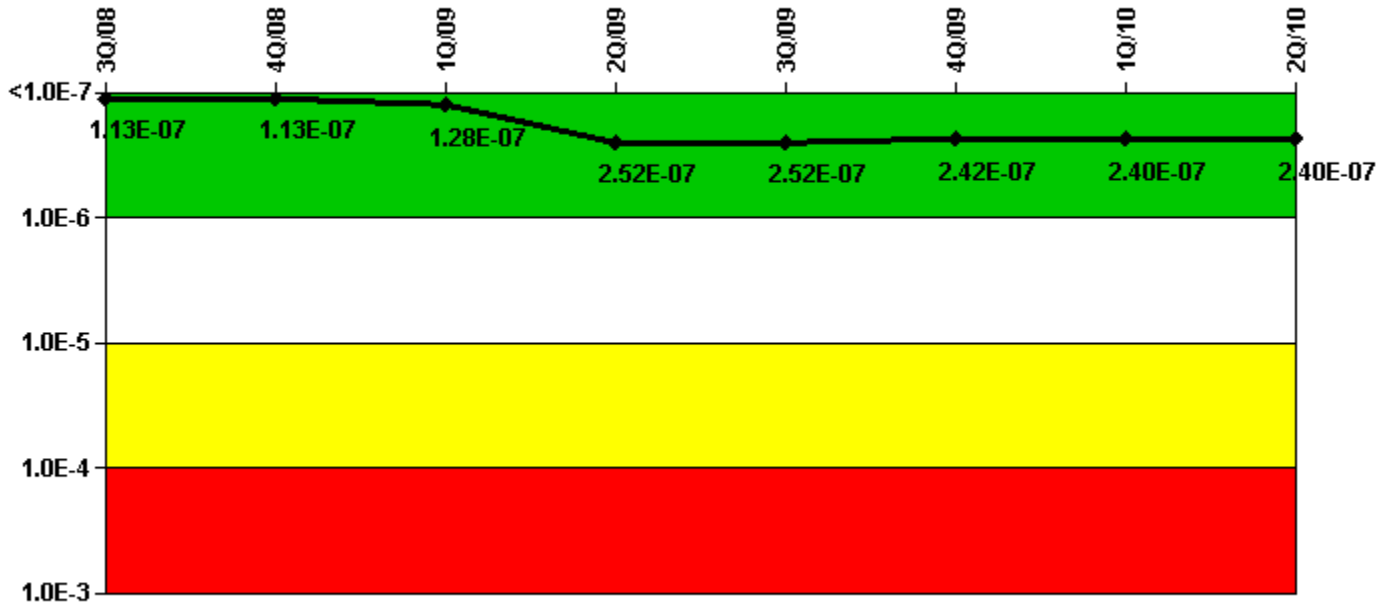
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Heat Removal System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| UAI (ΔCDF) | 8.70E-08 | 8.60E-08 | 4.70E-08 | 4.90E-09 | 3.50E-09 | 3.10E-09 | 1.31E-08 | 1.24E-08 |
| URI (ΔCDF) | 8.00E-07 | 9.60E-07 | 8.40E-07 | 1.60E-07 | 1.60E-07 | 1.60E-07 | 2.47E-08 | 2.99E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 8.87E-07 | 1.05E-06 | 8.87E-07 | 1.65E-07 | 1.64E-07 | 1.63E-07 | 3.80E-08 | 4.20E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



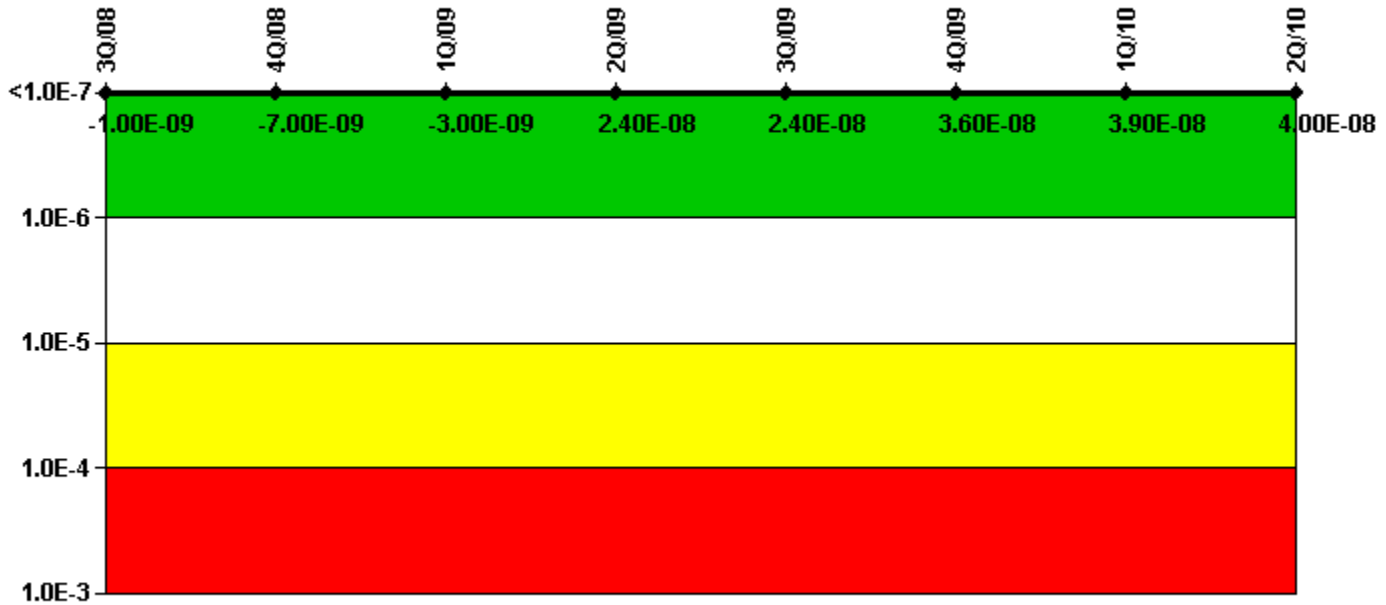
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|--|----------|----------|----------|----------|----------|----------|----------|----------|
| UAI (Δ CDF) | 1.10E-07 | 1.10E-07 | 1.20E-07 | 2.40E-07 | 2.40E-07 | 2.30E-07 | 2.25E-07 | 2.23E-07 |
| URI (Δ CDF) | 2.60E-09 | 2.70E-09 | 8.30E-09 | 1.20E-08 | 1.20E-08 | 1.20E-08 | 1.34E-08 | 1.39E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 1.13E-07 | 1.13E-07 | 1.28E-07 | 2.52E-07 | 2.52E-07 | 2.42E-07 | 2.40E-07 | 2.40E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



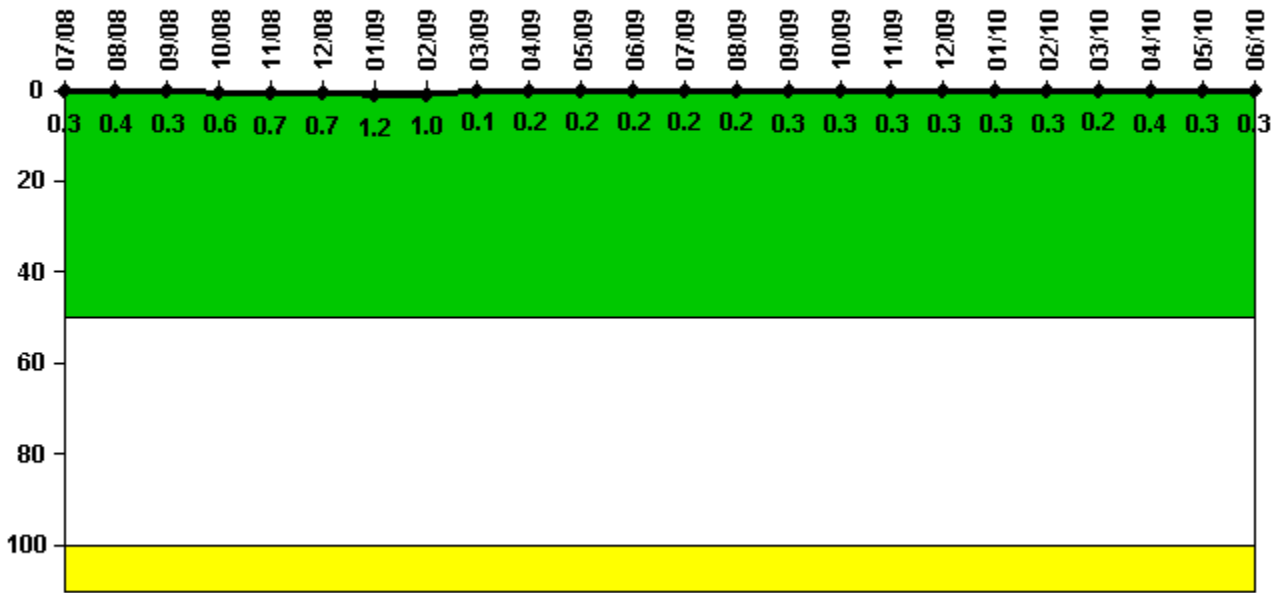
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 3.10E-08 | 2.60E-08 | 3.10E-08 | 4.20E-08 | 4.20E-08 | 5.40E-08 | 5.72E-08 | 5.85E-08 |
| URI (Δ CDF) | -3.20E-08 | -3.30E-08 | -3.40E-08 | -1.80E-08 | -1.80E-08 | -1.80E-08 | -1.80E-08 | -1.80E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.00E-09 | -7.00E-09 | -3.00E-09 | 2.40E-08 | 2.40E-08 | 3.60E-08 | 3.90E-08 | 4.00E-08 |

Licensee Comments: none

Reactor Coolant System Activity



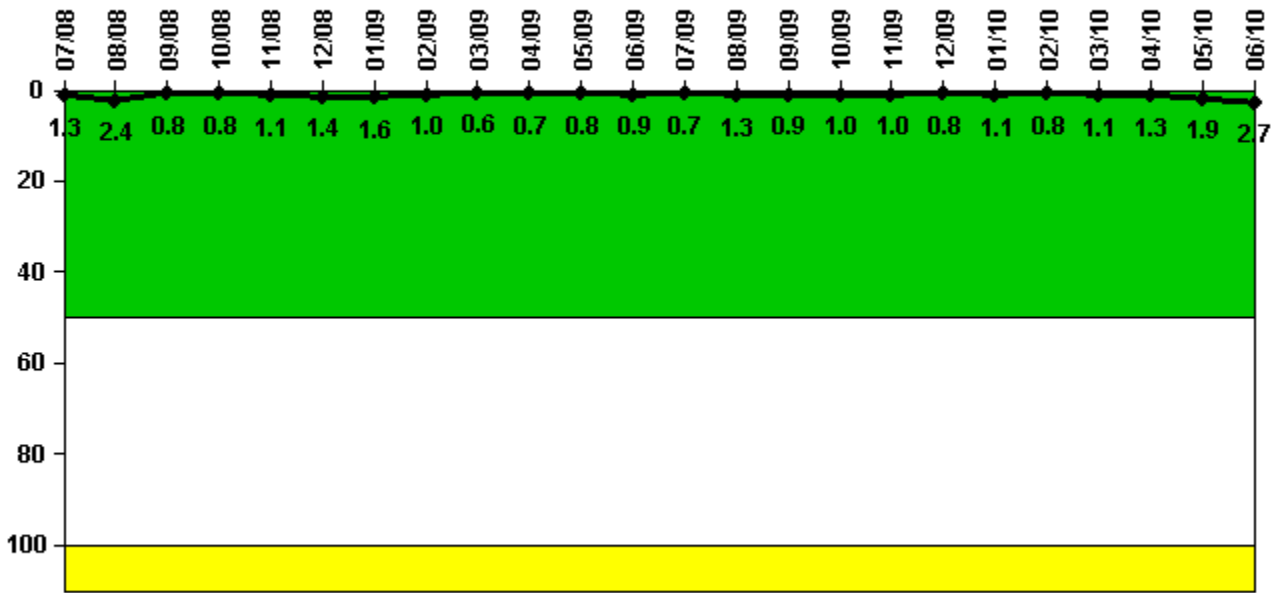
Thresholds: White > 50.0 Yellow > 100.0

Notes

| | | | | | | | | | | | | |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 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 | 0.003180 | 0.004380 | 0.003470 | 0.005590 | 0.007390 | 0.006710 | 0.012200 | 0.010200 | 0.001360 | 0.002030 | 0.002060 | 0.002060 |
| 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 | 0.4 | 0.3 | 0.6 | 0.7 | 0.7 | 1.2 | 1.0 | 0.1 | 0.2 | 0.2 | 0.2 |
| Reactor Coolant System Activity | 7/09 | 8/09 | 9/09 | 10/09 | 11/09 | 12/09 | 1/10 | 2/10 | 3/10 | 4/10 | 5/10 | 6/10 |
| Maximum activity | 0.002430 | 0.002440 | 0.002560 | 0.002540 | 0.002950 | 0.003020 | 0.002880 | 0.003080 | 0.002190 | 0.003500 | 0.003240 | 0.003420 |
| 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 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.4 | 0.3 | 0.3 |

Licensee Comments: none

Reactor Coolant System Leakage



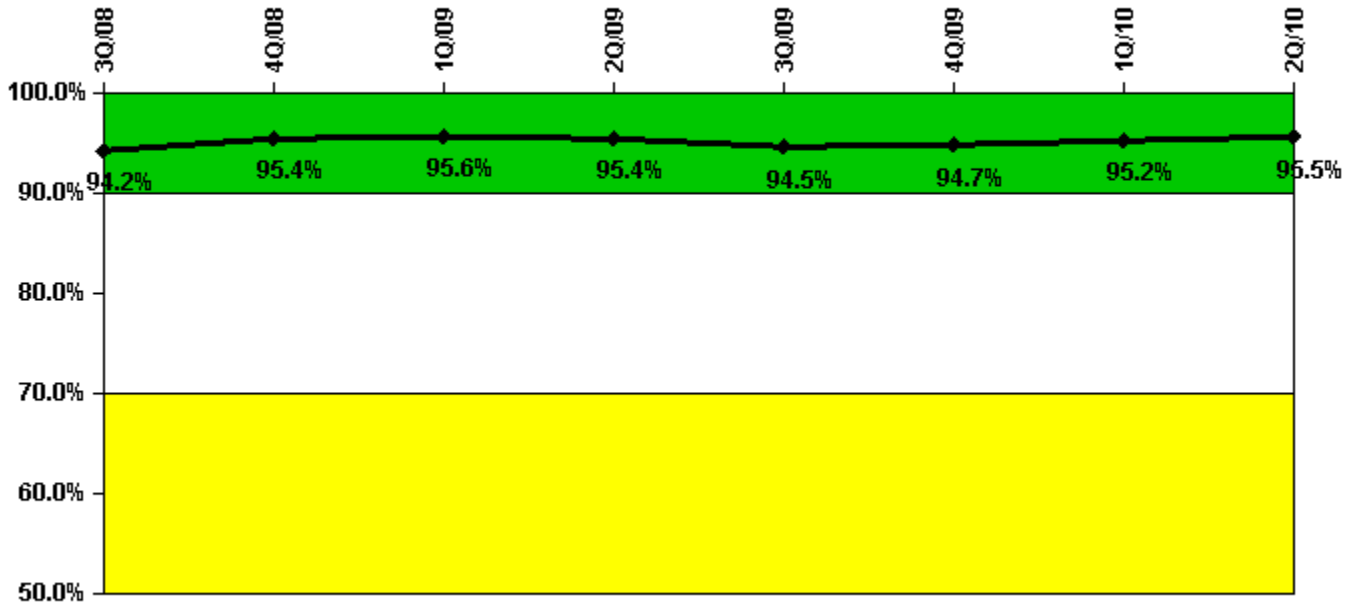
Thresholds: White > 50.0 Yellow > 100.0

Notes

| | | | | | | | | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 | 0.130 | 0.240 | 0.080 | 0.080 | 0.110 | 0.140 | 0.160 | 0.100 | 0.060 | 0.070 | 0.080 | 0.090 |
| 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 | 1.3 | 2.4 | 0.8 | 0.8 | 1.1 | 1.4 | 1.6 | 1.0 | 0.6 | 0.7 | 0.8 | 0.9 |
| Reactor Coolant System Leakage | 7/09 | 8/09 | 9/09 | 10/09 | 11/09 | 12/09 | 1/10 | 2/10 | 3/10 | 4/10 | 5/10 | 6/10 |
| Maximum leakage | 0.070 | 0.130 | 0.090 | 0.100 | 0.100 | 0.080 | 0.110 | 0.080 | 0.110 | 0.134 | 0.190 | 0.270 |
| 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 | 1.3 | 0.9 | 1.0 | 1.0 | 0.8 | 1.1 | 0.8 | 1.1 | 1.3 | 1.9 | 2.7 |

Licensee Comments: none

Drill/Exercise Performance



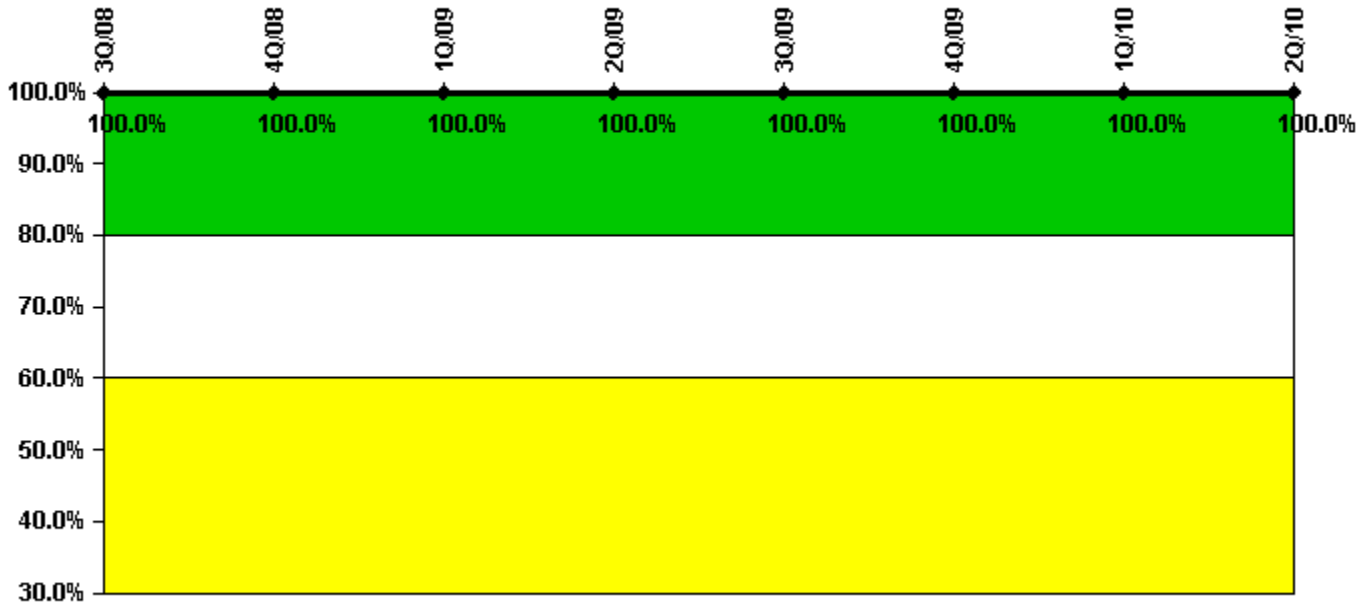
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 40.0 | 52.0 | 10.0 | 30.0 | 43.0 | 63.0 | 13.0 | 23.0 |
| Total opportunities | 40.0 | 59.0 | 10.0 | 32.0 | 46.0 | 64.0 | 13.0 | 23.0 |
| | | | | | | | | |
| Indicator value | 94.2% | 95.4% | 95.6% | 95.4% | 94.5% | 94.7% | 95.2% | 95.5% |

Licensee Comments: none

ERO Drill Participation



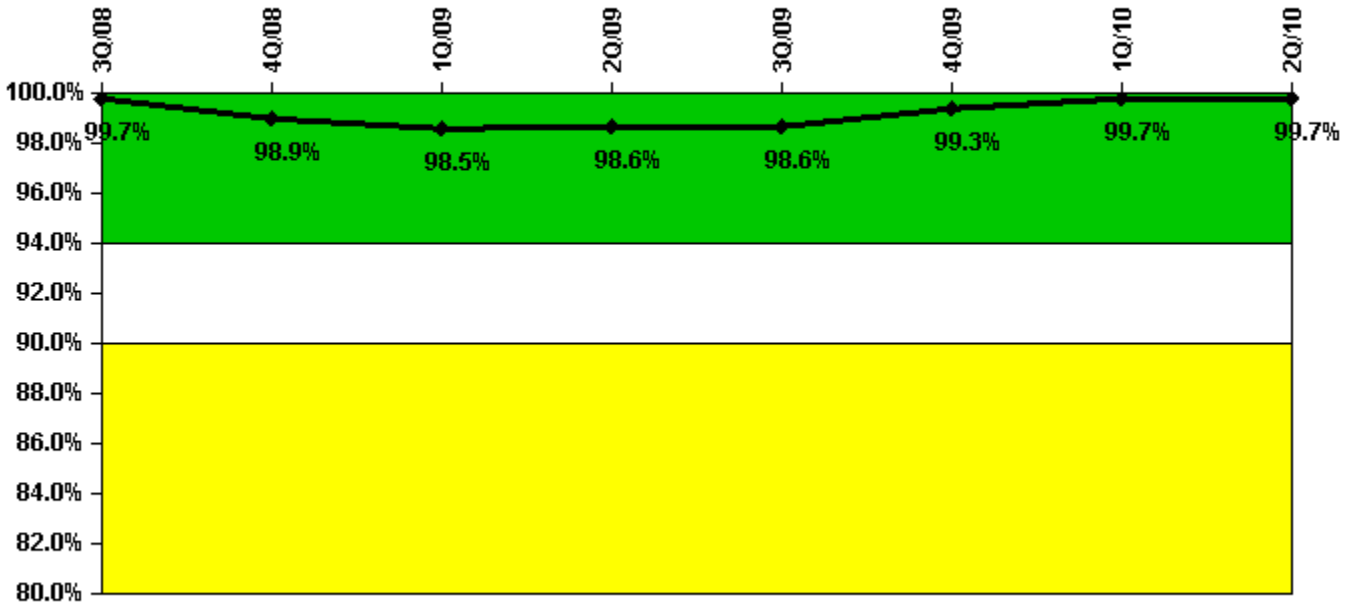
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 86.0 | 84.0 | 88.0 | 98.0 | 101.0 | 95.0 | 98.0 | 87.0 |
| Total Key personnel | 86.0 | 84.0 | 88.0 | 98.0 | 101.0 | 95.0 | 98.0 | 87.0 |
| | | | | | | | | |
| Indicator value | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

Alert & Notification System



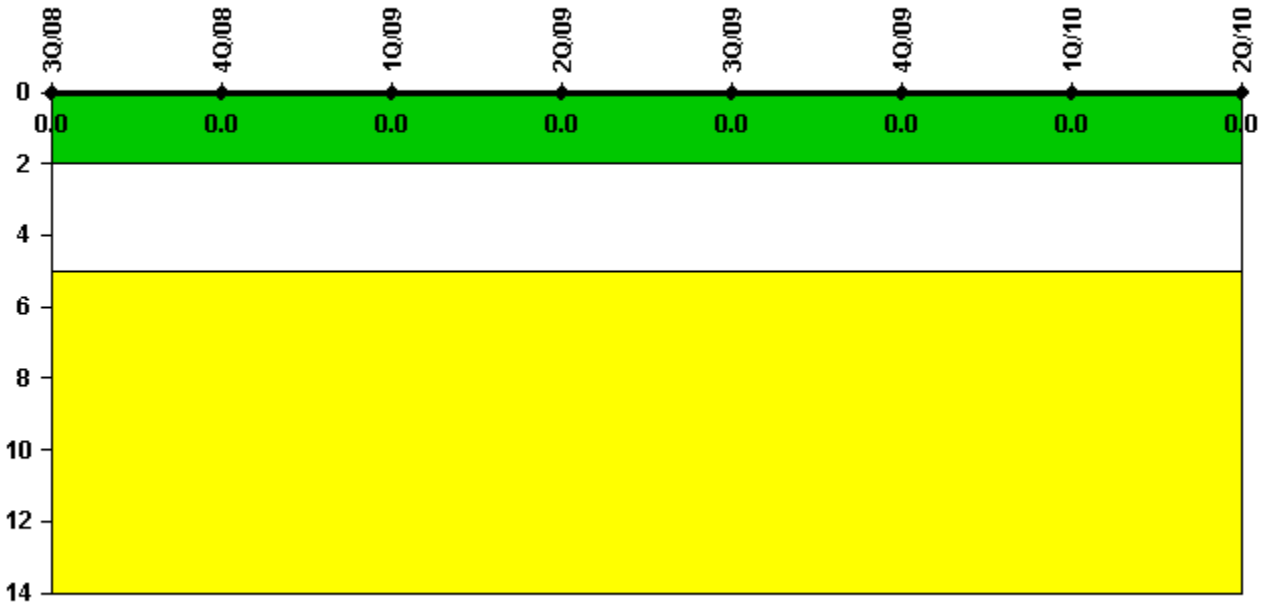
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 946 | 916 | 932 | 948 | 947 | 942 | 948 | 948 |
| Total sirens-tests | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 |
| | | | | | | | | |
| Indicator value | 99.7% | 98.9% | 98.5% | 98.6% | 98.6% | 99.3% | 99.7% | 99.7% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



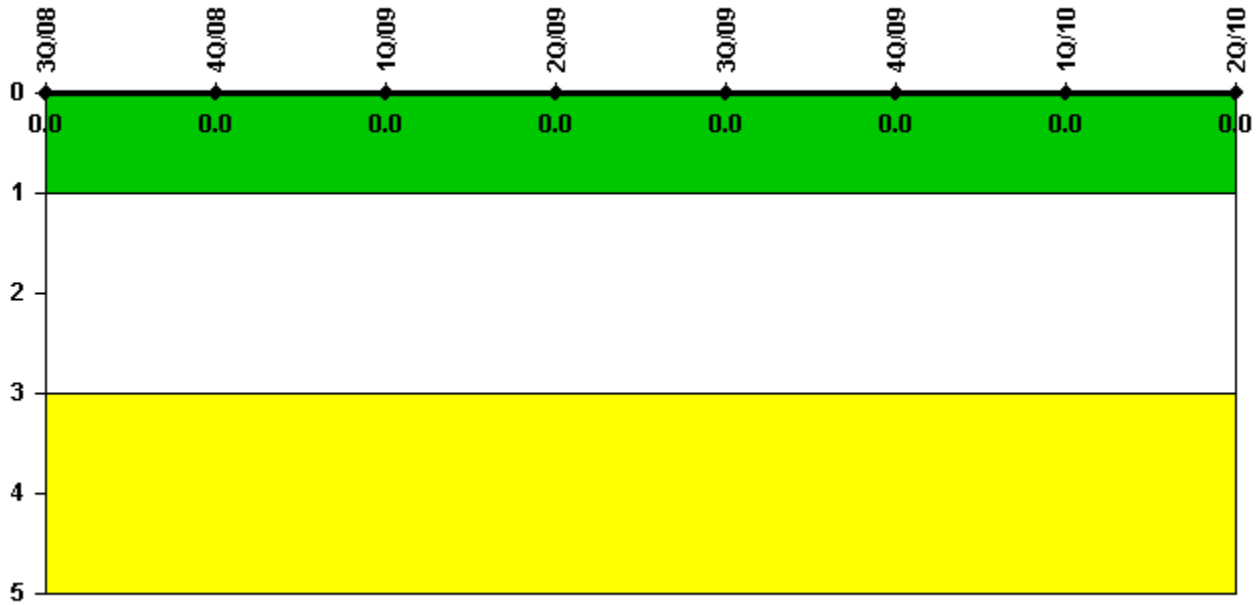
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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.