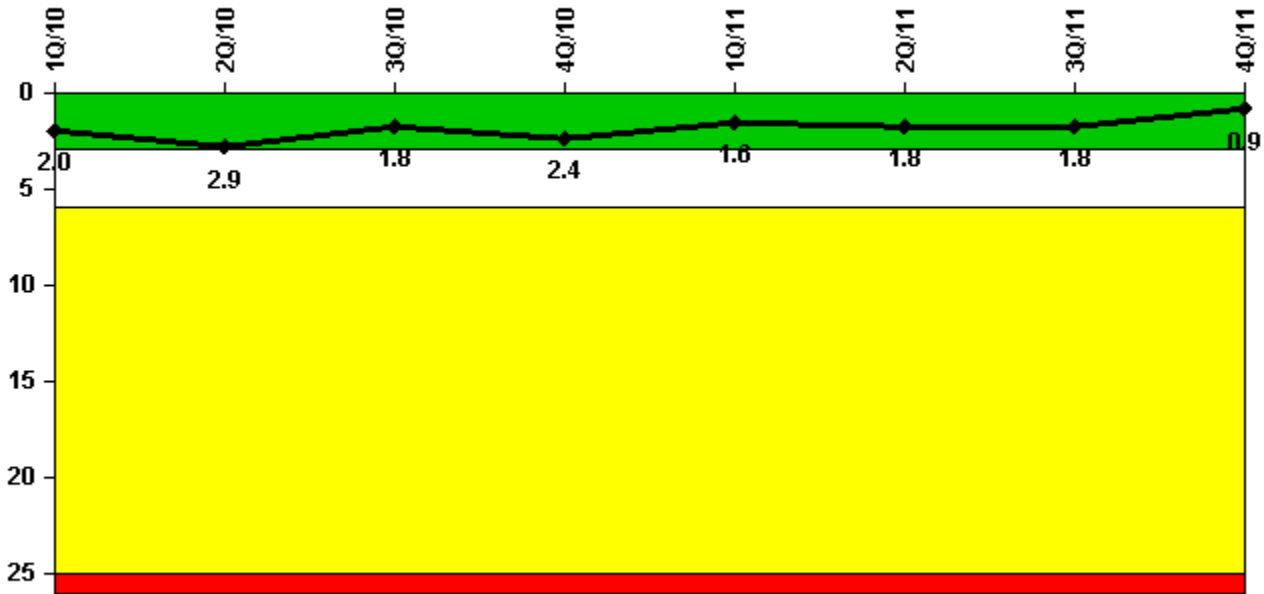


Millstone 2

4Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



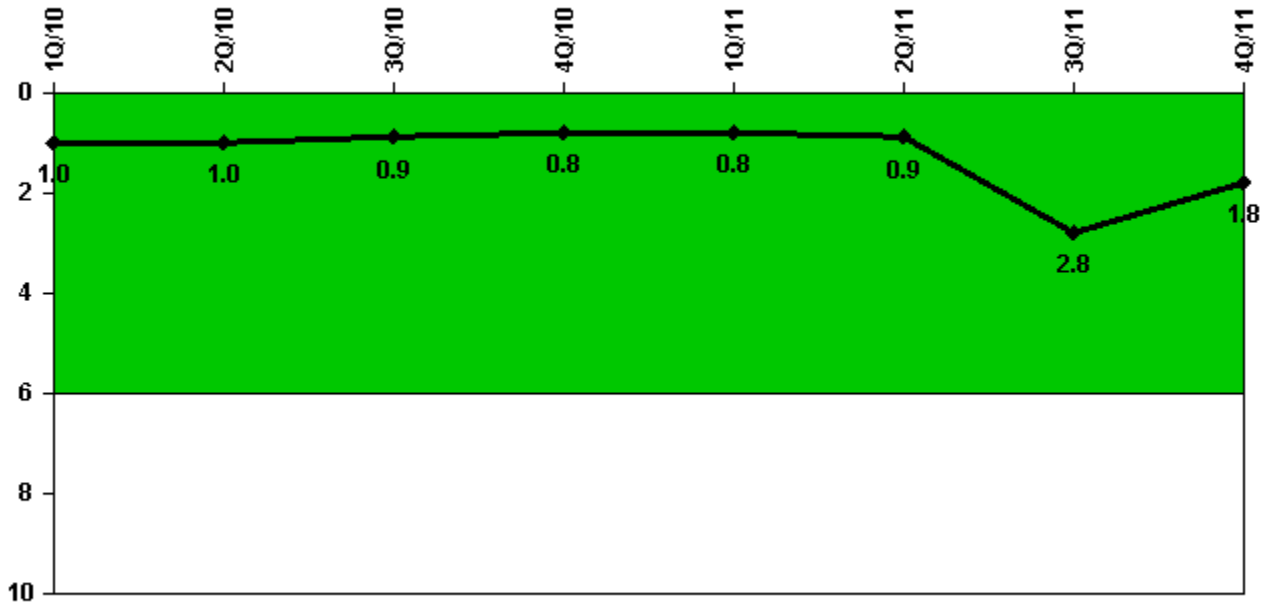
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 1.0 | 1.0 | 0 | 1.0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2110.8 | 2139.0 | 2208.0 | 2134.5 | 2159.0 | 1408.9 | 1879.7 | 2209.0 |
| Indicator value | 2.0 | 2.9 | 1.8 | 2.4 | 1.6 | 1.8 | 1.8 | 0.9 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



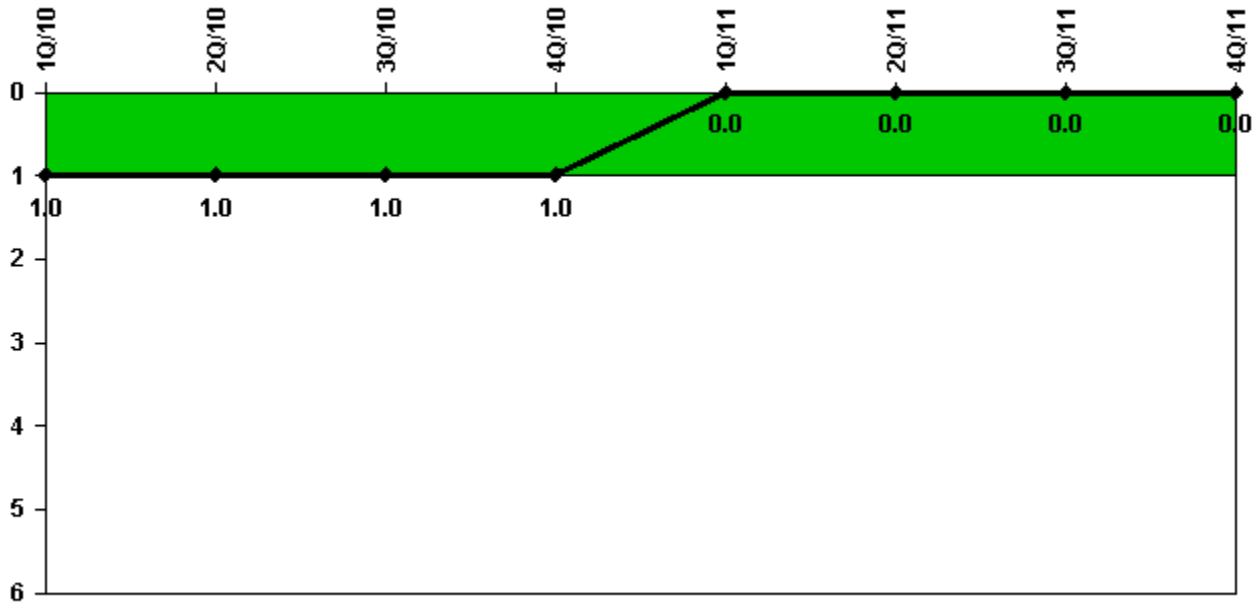
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 0 | 0 | 1.0 | 0 | 0 | 2.0 | 0 |
| Critical hours | 2110.8 | 2139.0 | 2208.0 | 2134.5 | 2159.0 | 1408.9 | 1879.7 | 2209.0 |
| Indicator value | 1.0 | 1.0 | 0.9 | 0.8 | 0.8 | 0.9 | 2.8 | 1.8 |

Licensee Comments: none

Unplanned Scrams with Complications



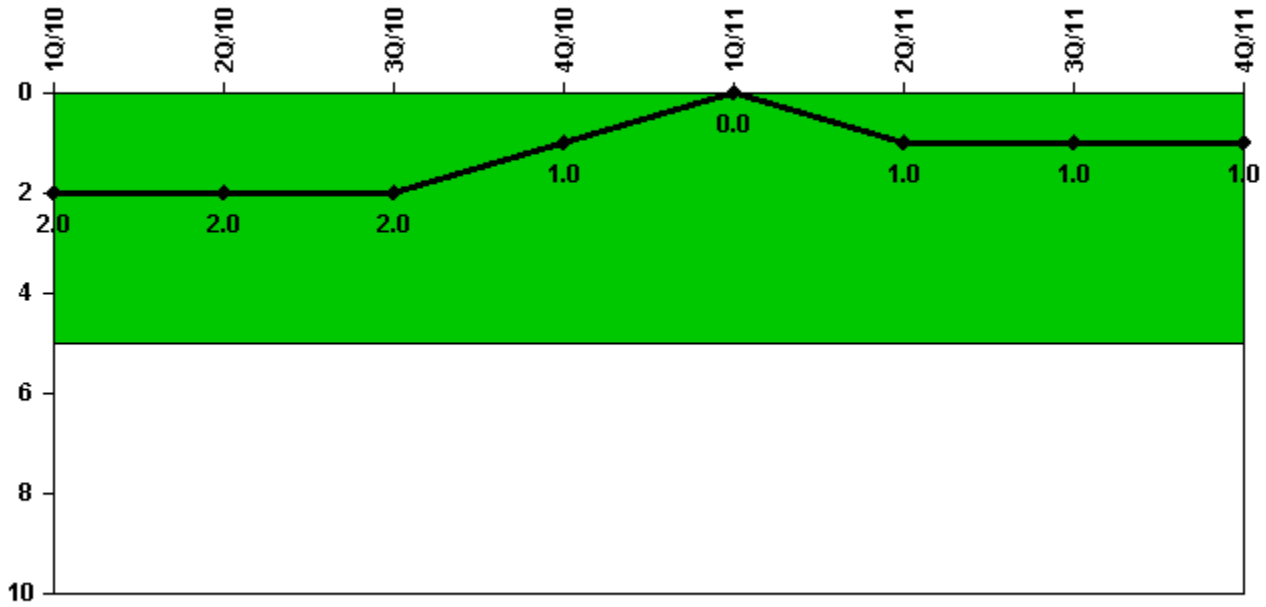
Thresholds: White > 1.0

Notes

| Unplanned Scrams with Complications | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams with complications | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| Indicator value | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Licensee Comments: none

Safety System Functional Failures (PWR)



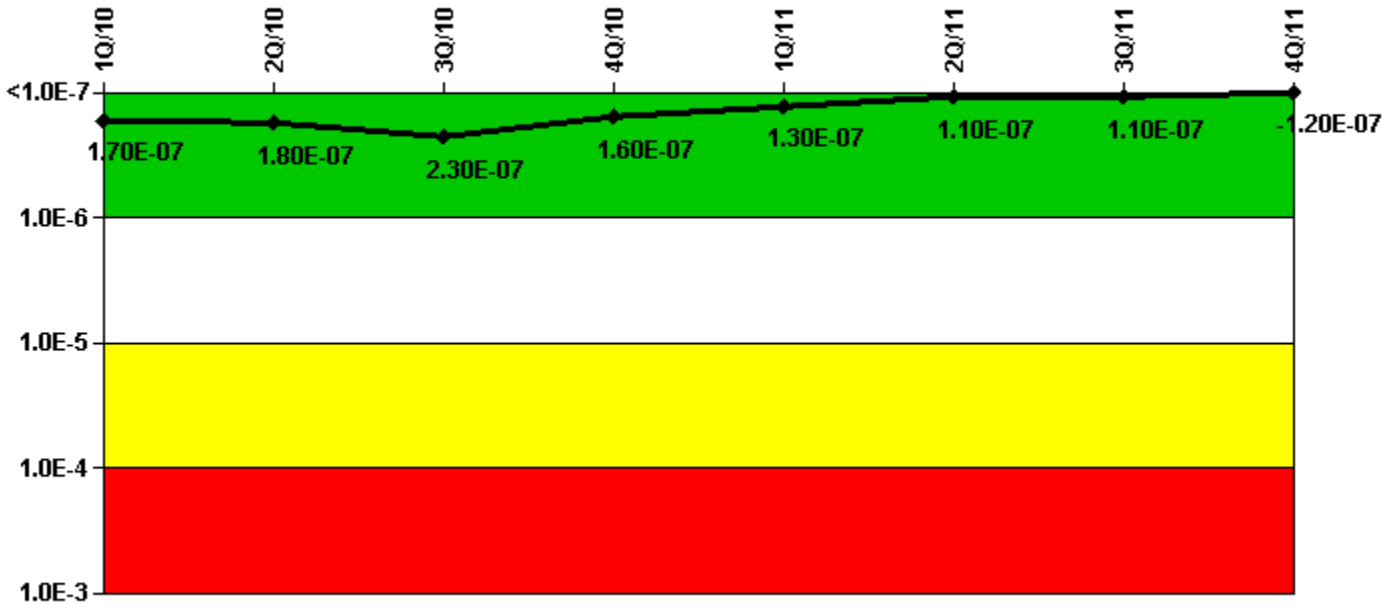
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Indicator value | 2 | 2 | 2 | 1 | 0 | 1 | 1 | 1 |

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



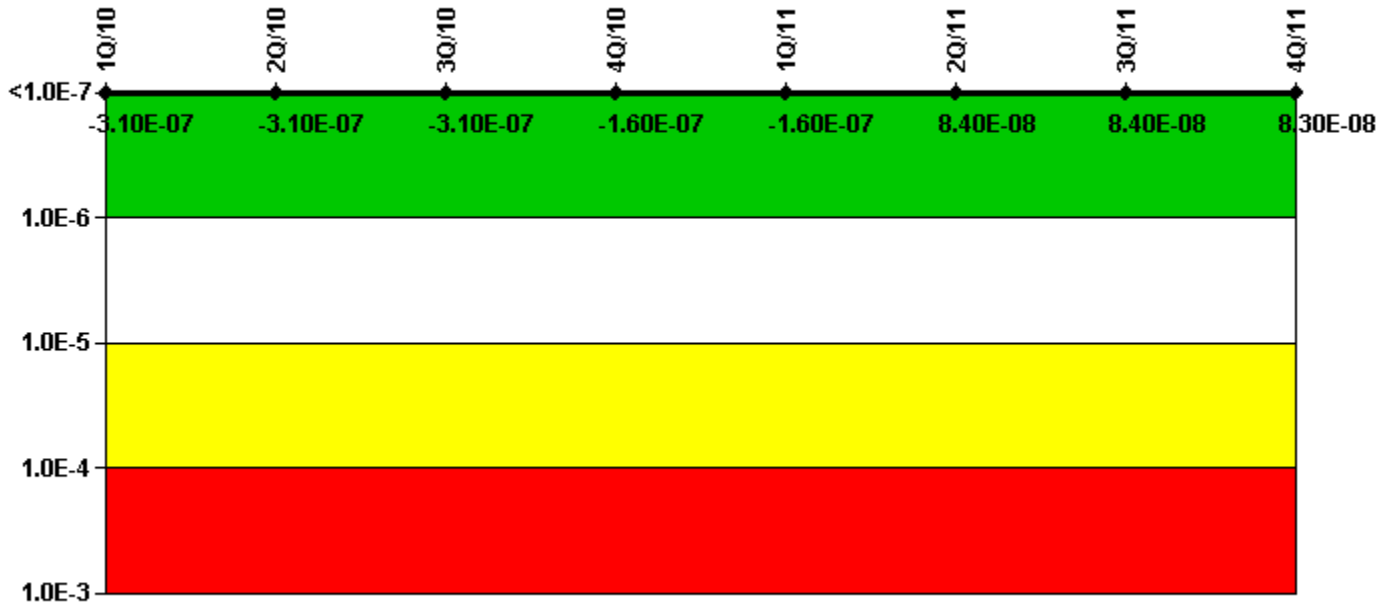
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|----------|----------|----------|----------|----------|----------|----------|-----------|
| UAI (ΔCDF) | 1.56E-07 | 1.75E-07 | 2.25E-07 | 1.58E-07 | 1.31E-07 | 4.11E-08 | 4.14E-08 | 3.20E-08 |
| URI (ΔCDF) | 1.19E-08 | 9.15E-09 | 4.61E-09 | 3.00E-09 | 4.77E-10 | 7.10E-08 | 6.92E-08 | -1.55E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 1.70E-07 | 1.80E-07 | 2.30E-07 | 1.60E-07 | 1.30E-07 | 1.10E-07 | 1.10E-07 | -1.20E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



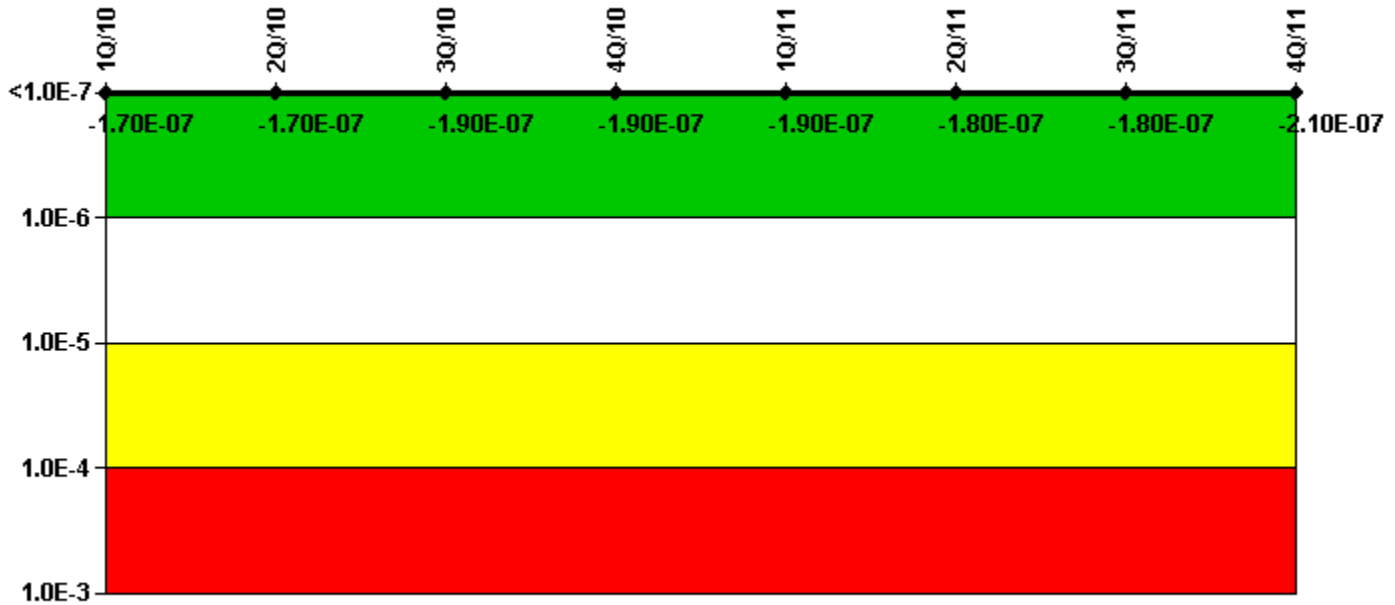
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -2.73E-07 | -2.73E-07 | -2.73E-07 | -2.73E-07 | -2.73E-07 | -6.36E-08 | -6.36E-08 | -6.36E-08 |
| URI (Δ CDF) | -3.93E-08 | -3.95E-08 | -3.95E-08 | 1.17E-07 | 1.17E-07 | 1.48E-07 | 1.48E-07 | 1.46E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -3.10E-07 | -3.10E-07 | -3.10E-07 | -1.60E-07 | -1.60E-07 | 8.40E-08 | 8.40E-08 | 8.30E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



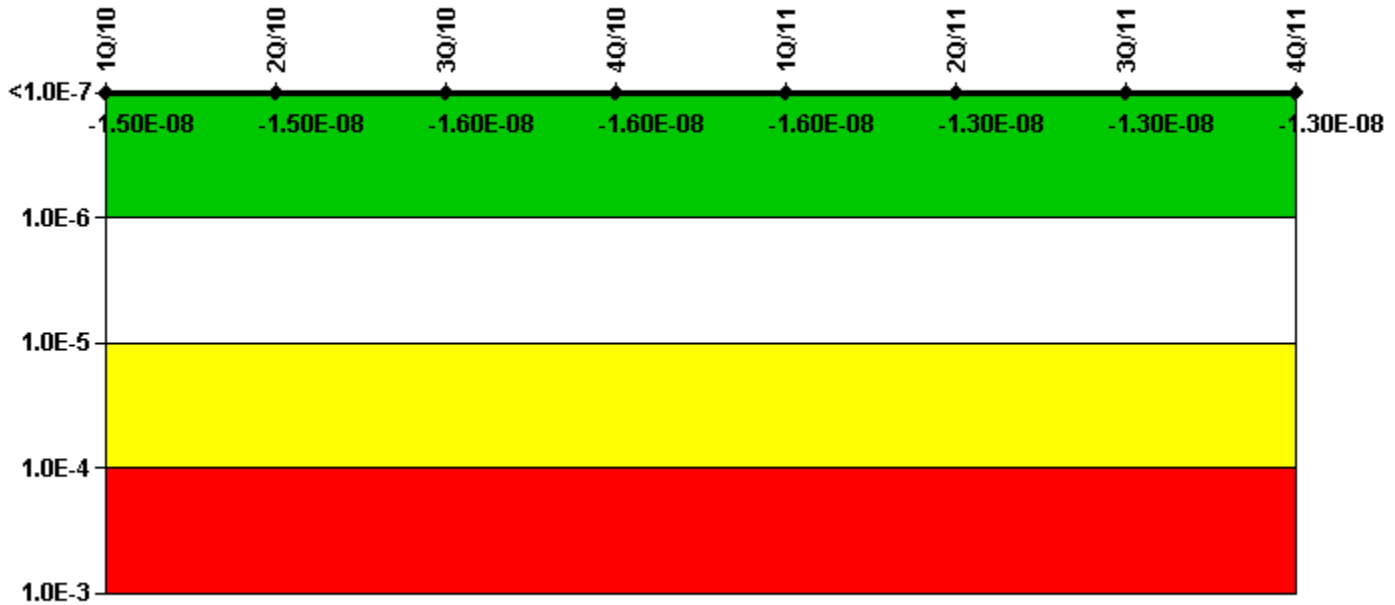
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Heat Removal System | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -2.12E-08 | -2.23E-08 | -4.49E-08 | -4.30E-08 | -4.26E-08 | -4.63E-08 | -4.17E-08 | -7.48E-08 |
| URI (Δ CDF) | -1.44E-07 | -1.45E-07 | -1.46E-07 | -1.50E-07 | -1.50E-07 | -1.33E-07 | -1.38E-07 | -1.36E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.70E-07 | -1.70E-07 | -1.90E-07 | -1.90E-07 | -1.90E-07 | -1.80E-07 | -1.80E-07 | -2.10E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



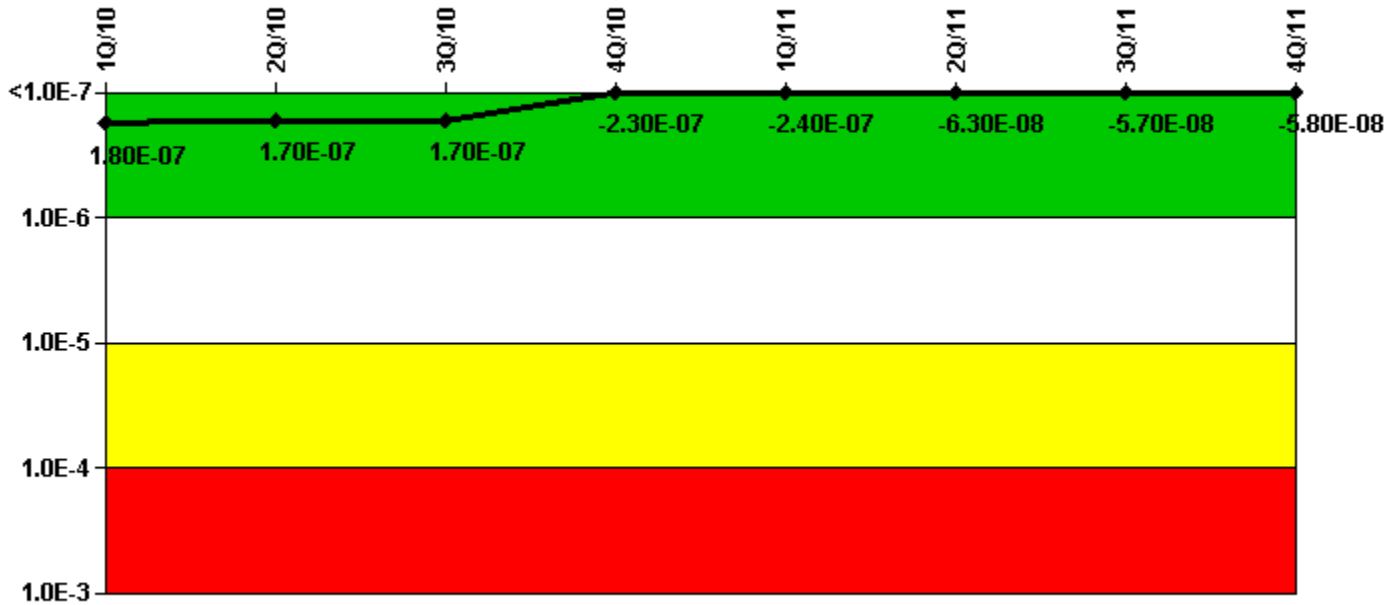
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -1.56E-10 | -1.78E-10 | -4.57E-10 | -4.58E-10 | -6.64E-10 | -2.08E-10 | -1.82E-10 | -1.95E-10 |
| URI (Δ CDF) | -1.53E-08 | -1.53E-08 | -1.53E-08 | -1.53E-08 | -1.55E-08 | -1.32E-08 | -1.31E-08 | -1.33E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.50E-08 | -1.50E-08 | -1.60E-08 | -1.60E-08 | -1.60E-08 | -1.30E-08 | -1.30E-08 | -1.30E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



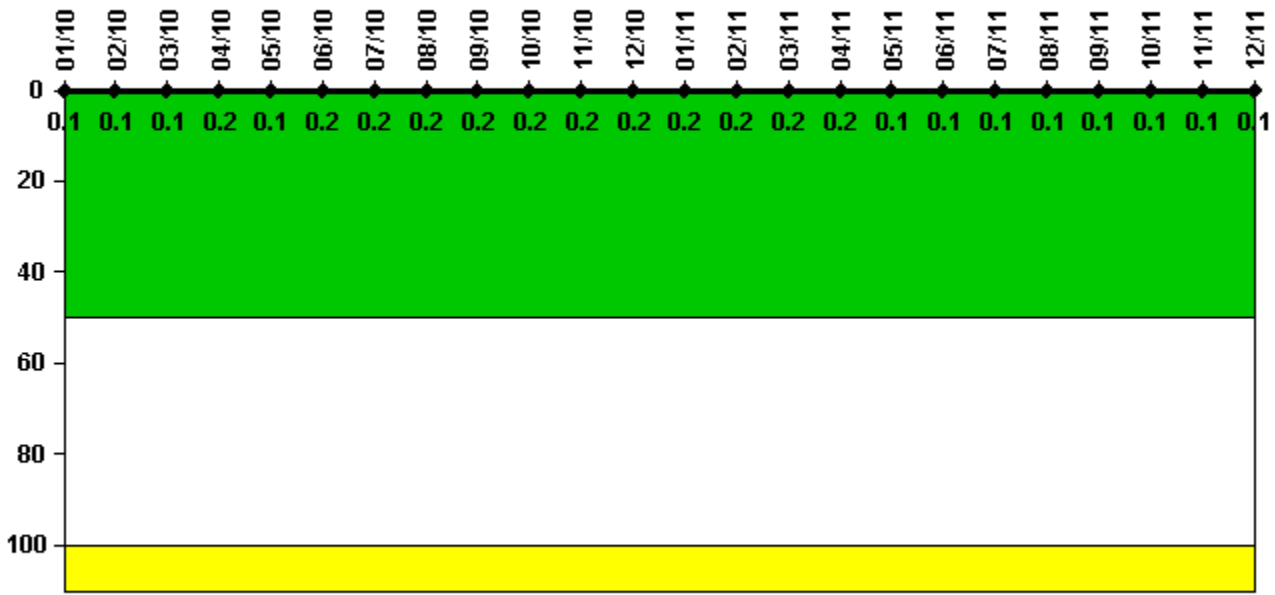
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -2.76E-08 | -2.75E-08 | -2.75E-08 | -3.61E-08 | -3.61E-08 | -1.40E-09 | 5.34E-09 | 5.34E-09 |
| URI (Δ CDF) | 2.06E-07 | 2.02E-07 | 1.99E-07 | -1.98E-07 | -1.99E-07 | -6.20E-08 | -6.28E-08 | -6.35E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 1.80E-07 | 1.70E-07 | 1.70E-07 | -2.30E-07 | -2.40E-07 | -6.30E-08 | -5.70E-08 | -5.80E-08 |

Licensee Comments: none

Reactor Coolant System Activity



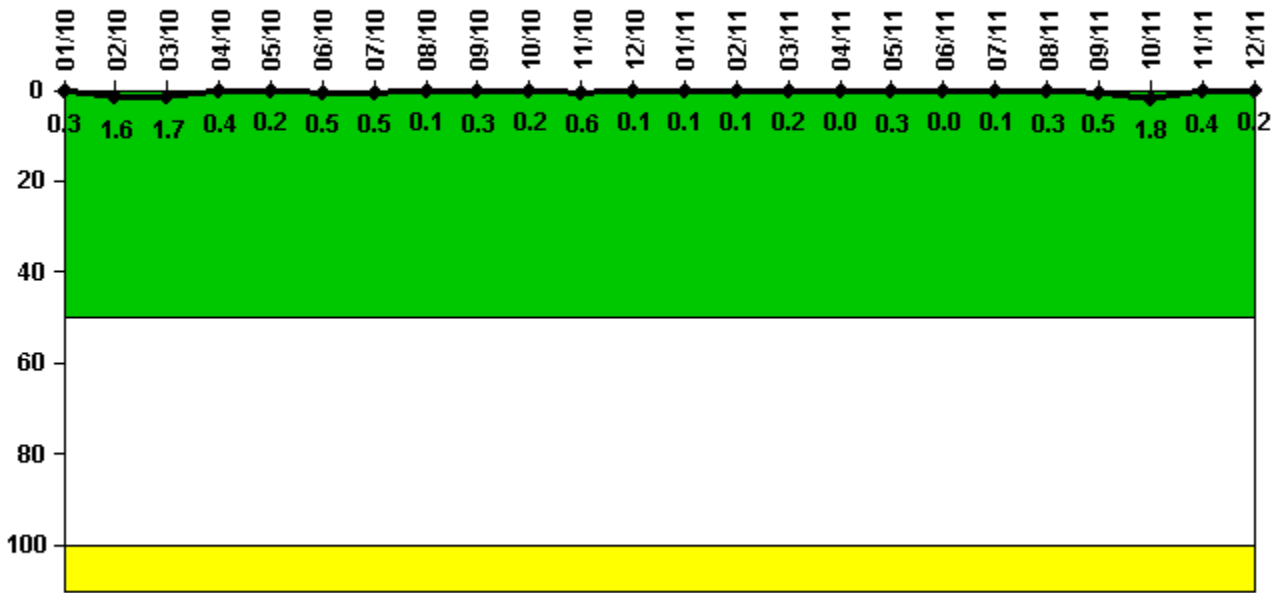
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Activity | 1/10 | 2/10 | 3/10 | 4/10 | 5/10 | 6/10 | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.001260 | 0.001300 | 0.001470 | 0.001880 | 0.001470 | 0.001520 | 0.001580 | 0.001630 | 0.001710 | 0.001730 | 0.002030 | 0.001930 |
| 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 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Reactor Coolant System Activity | 1/11 | 2/11 | 3/11 | 4/11 | 5/11 | 6/11 | 7/11 | 8/11 | 9/11 | 10/11 | 11/11 | 12/11 |
| Maximum activity | 0.002020 | 0.002020 | 0.002460 | 0.002130 | 0.000863 | 0.000989 | 0.001300 | 0.001040 | 0.001040 | 0.001140 | 0.001210 | 0.001210 |
| 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 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

Licensee Comments: none

Reactor Coolant System Leakage



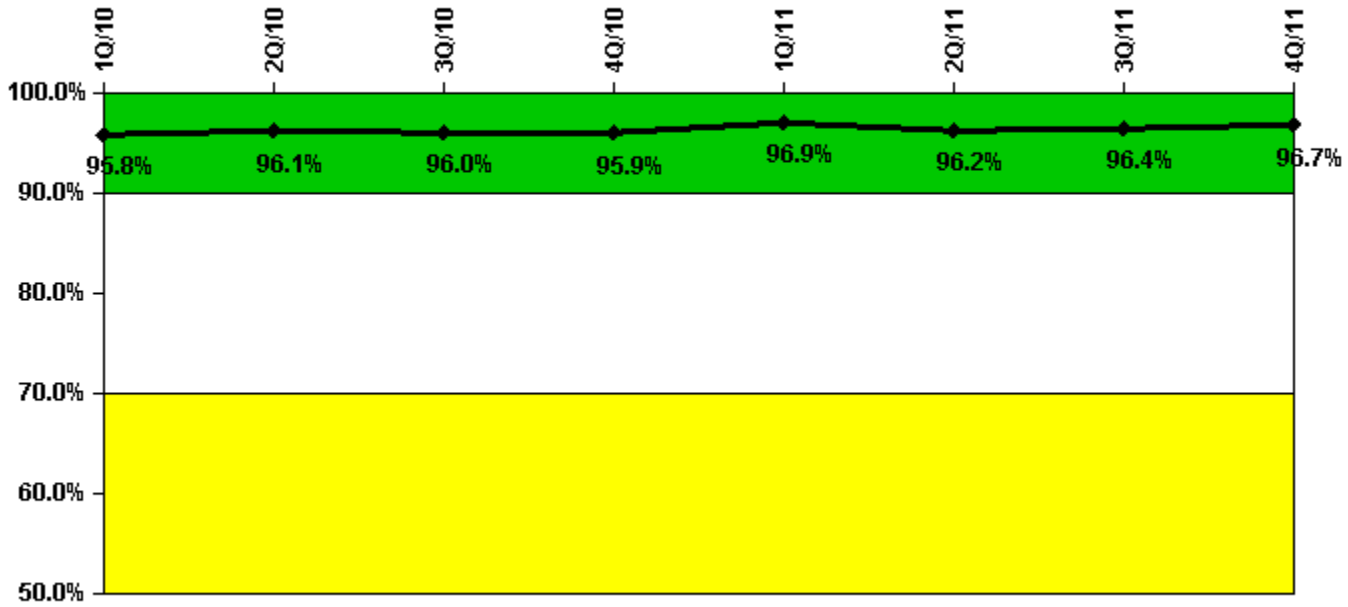
Thresholds: White > 50.0 Yellow > 100.0

Notes

| | | | | | | | | | | | | |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|
| Reactor Coolant System Leakage | 1/10 | 2/10 | 3/10 | 4/10 | 5/10 | 6/10 | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 |
| Maximum leakage | 0.027 | 0.162 | 0.172 | 0.041 | 0.016 | 0.051 | 0.047 | 0.006 | 0.027 | 0.018 | 0.056 | 0.009 |
| 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 | 0.3 | 1.6 | 1.7 | 0.4 | 0.2 | 0.5 | 0.5 | 0.1 | 0.3 | 0.2 | 0.6 | 0.1 |
| Reactor Coolant System Leakage | 1/11 | 2/11 | 3/11 | 4/11 | 5/11 | 6/11 | 7/11 | 8/11 | 9/11 | 10/11 | 11/11 | 12/11 |
| Maximum leakage | 0.014 | 0.005 | 0.022 | 0 | 0.033 | 0.002 | 0.013 | 0.028 | 0.054 | 0.180 | 0.037 | 0.021 |
| 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 | 0.1 | 0.1 | 0.2 | 0 | 0.3 | 0 | 0.1 | 0.3 | 0.5 | 1.8 | 0.4 | 0.2 |

Licensee Comments: none

Drill/Exercise Performance



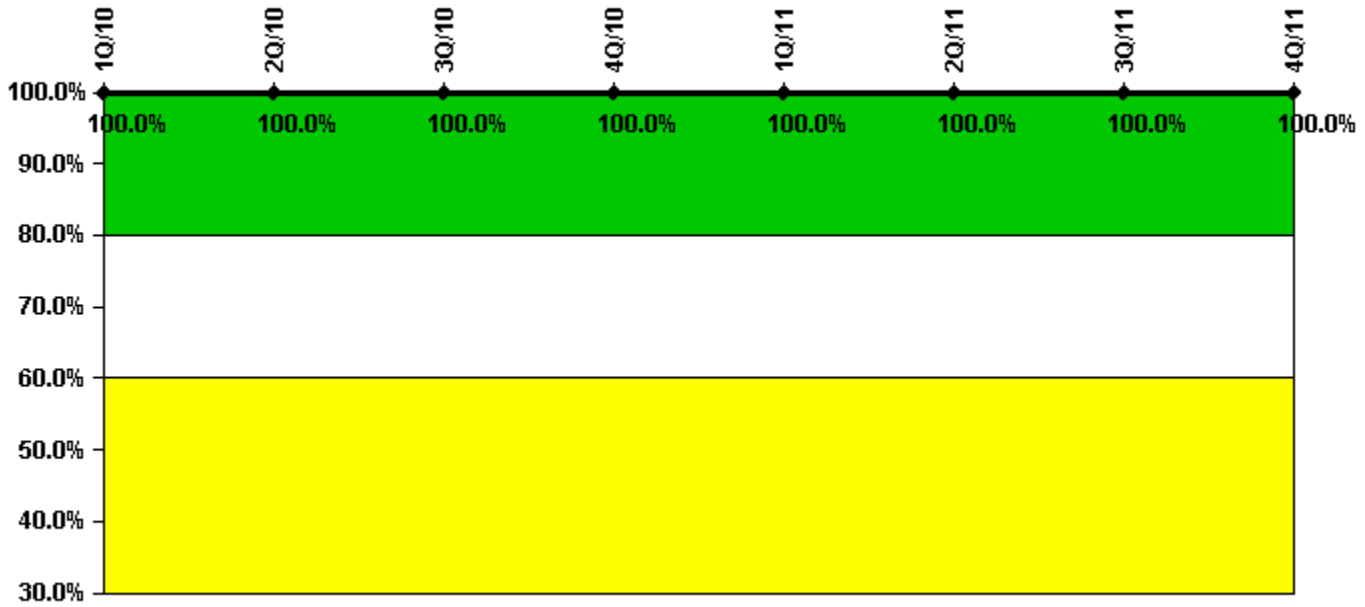
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 47.0 | 35.0 | 24.0 | 41.0 | 31.0 | 41.0 | 43.0 | 27.0 |
| Total opportunities | 49.0 | 37.0 | 25.0 | 43.0 | 31.0 | 44.0 | 43.0 | 27.0 |
| Indicator value | 95.8% | 96.1% | 96.0% | 95.9% | 96.9% | 96.2% | 96.4% | 96.7% |

Licensee Comments: none

ERO Drill Participation



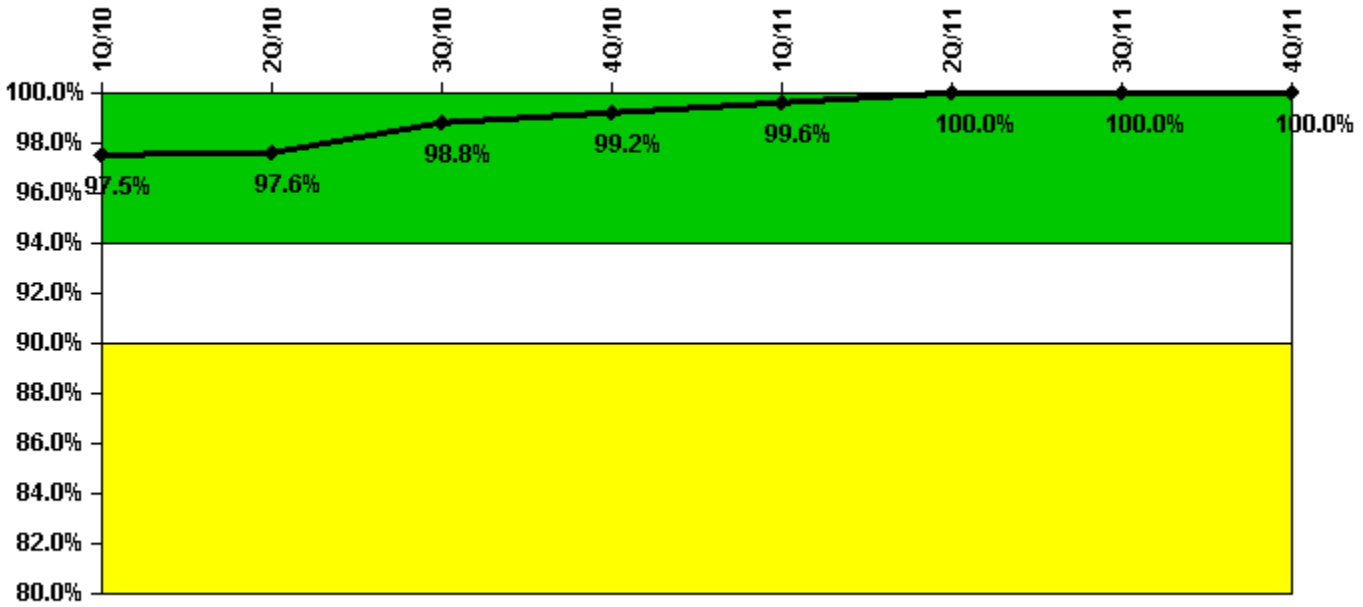
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 139.0 | 141.0 | 138.0 | 138.0 | 138.0 | 137.0 | 139.0 | 137.0 |
| Total Key personnel | 139.0 | 141.0 | 138.0 | 138.0 | 138.0 | 137.0 | 139.0 | 137.0 |
| | | | | | | | | |
| Indicator value | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

Alert & Notification System



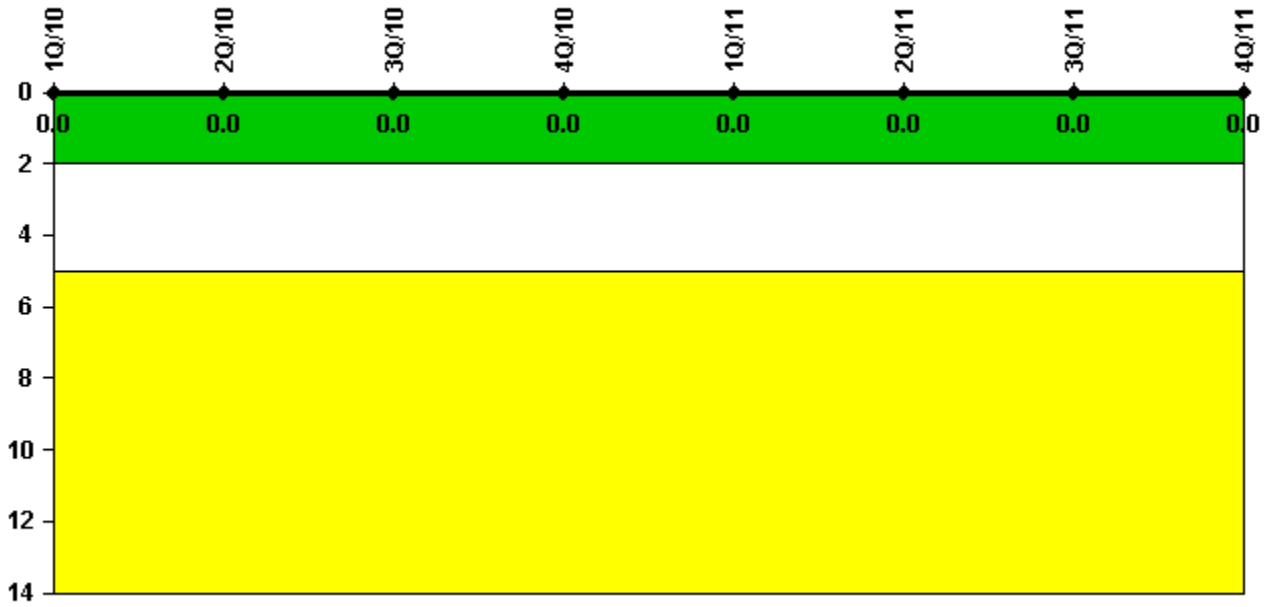
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|-----------------------------|-------|-------|-------|-------|-------|--------|--------|--------|
| Successful siren-tests | 312 | 312 | 473 | 553 | 474 | 553 | 474 | 553 |
| Total sirens-tests | 318 | 318 | 474 | 553 | 474 | 553 | 474 | 553 |
| Indicator value | 97.5% | 97.6% | 98.8% | 99.2% | 99.6% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



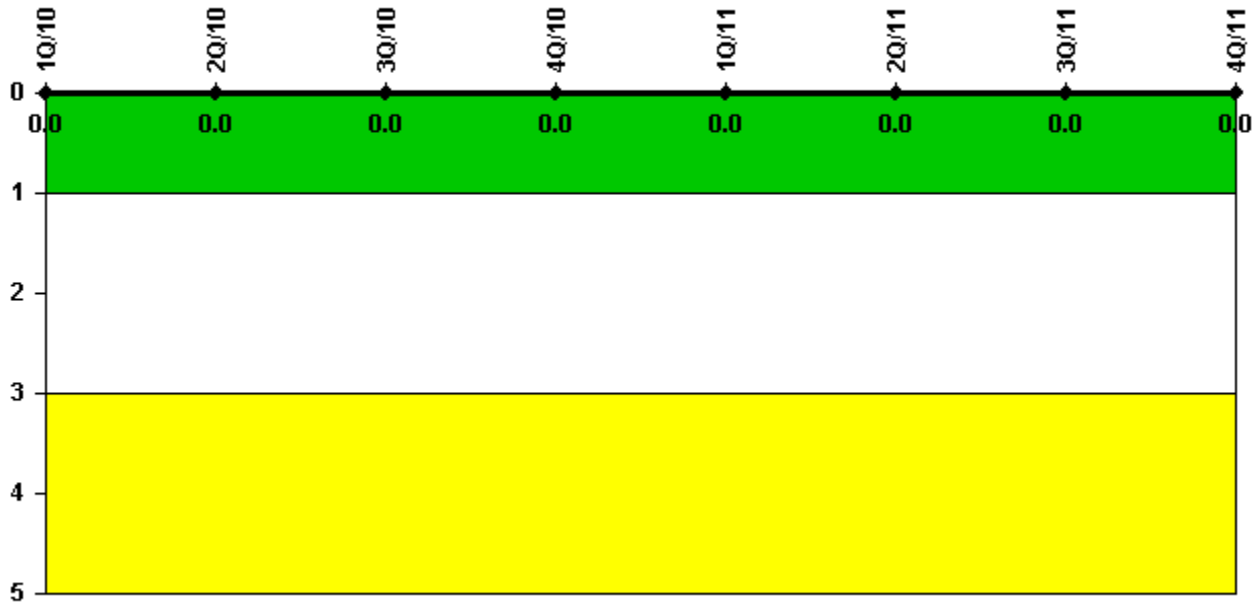
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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.