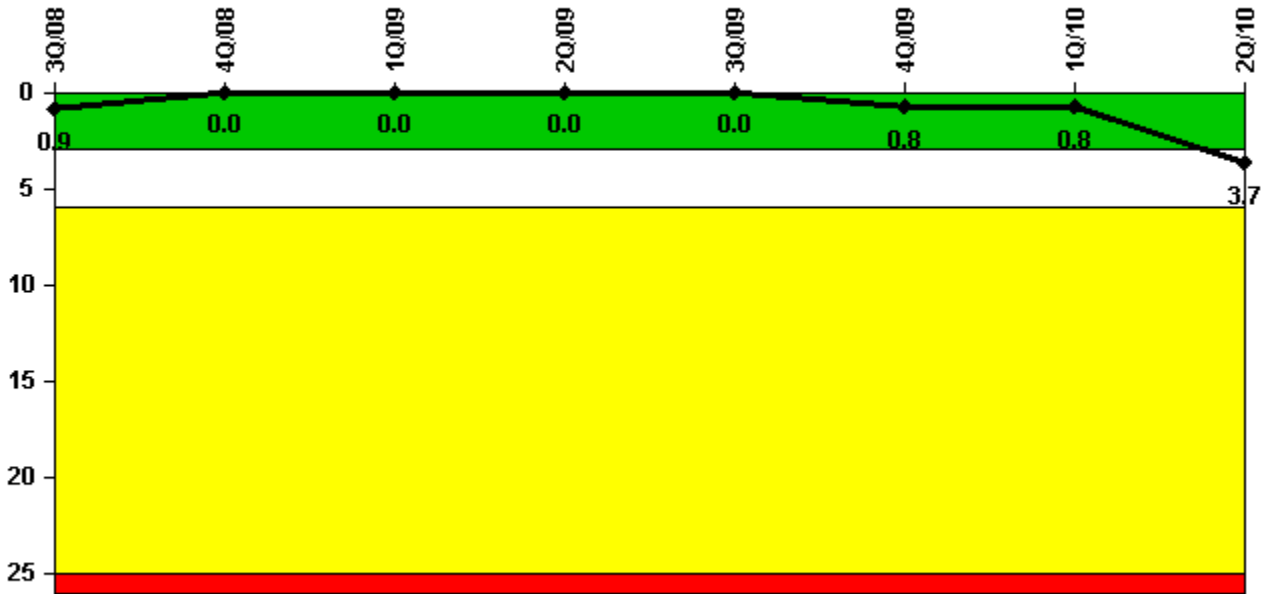


North Anna 2

2Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



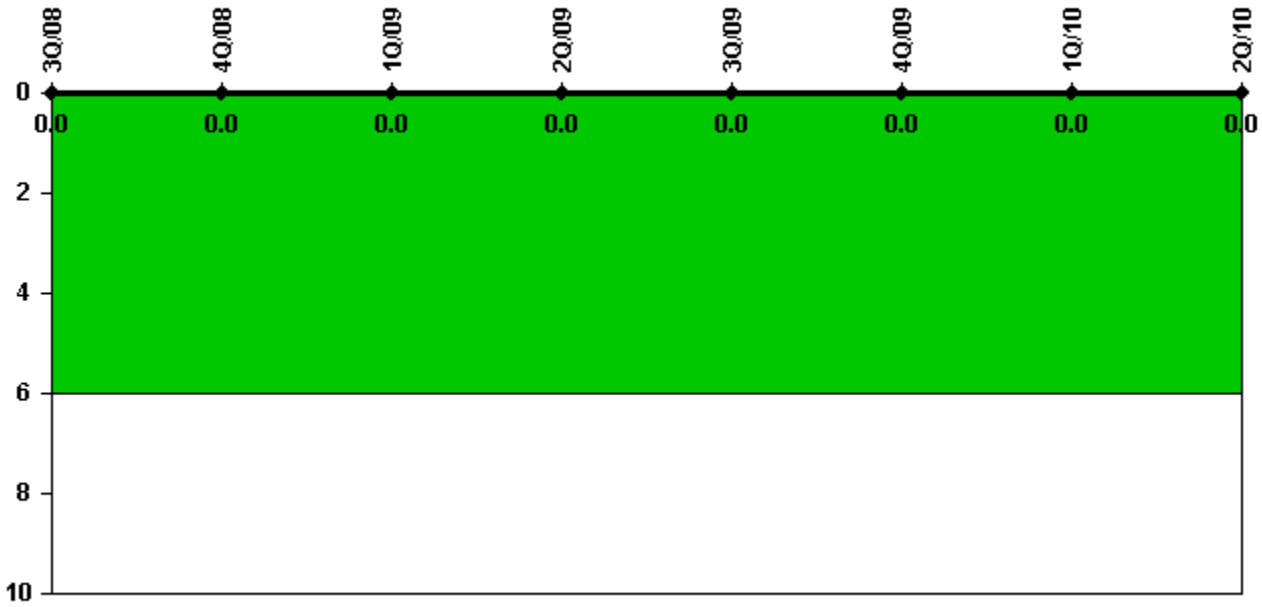
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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 | 1.0 | 0 | 3.0 |
| Critical hours | 1801.0 | 1277.7 | 2159.0 | 2184.0 | 2208.0 | 2147.3 | 1895.7 | 1380.3 |
| Indicator value | 0.9 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 3.7 |

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 | 0 |
| Critical hours | 1801.0 | 1277.7 | 2159.0 | 2184.0 | 2208.0 | 2147.3 | 1895.7 | 1380.3 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Scrams with Complications



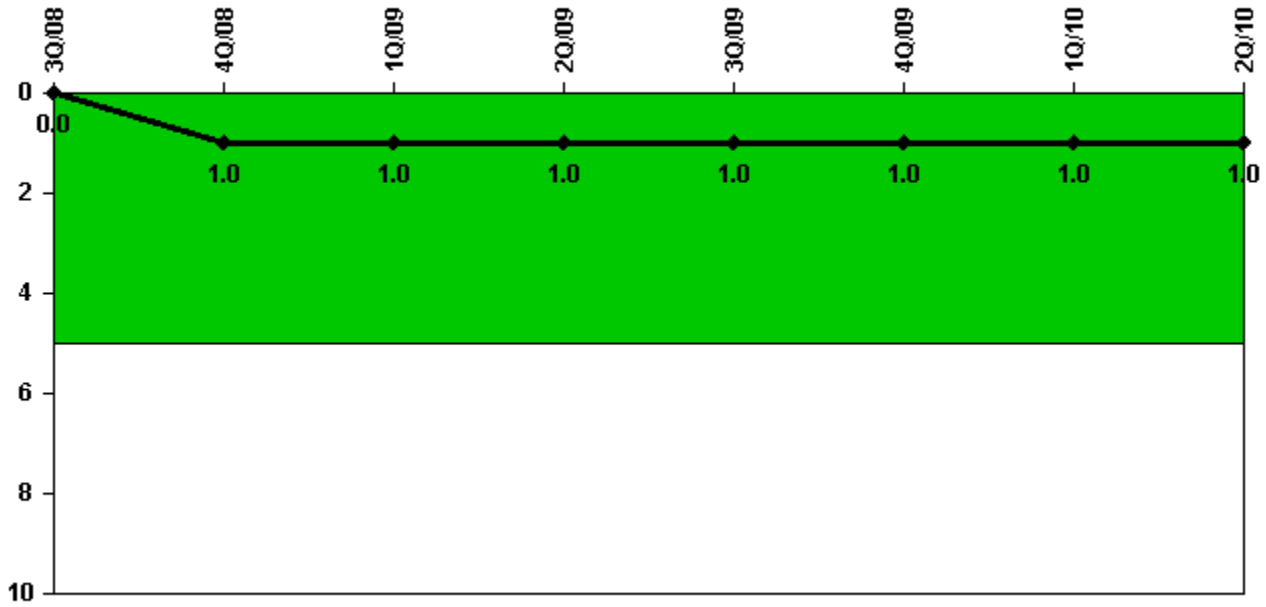
Thresholds: White > 1.0

Notes

| Unplanned Scrams with Complications | 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 | 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)



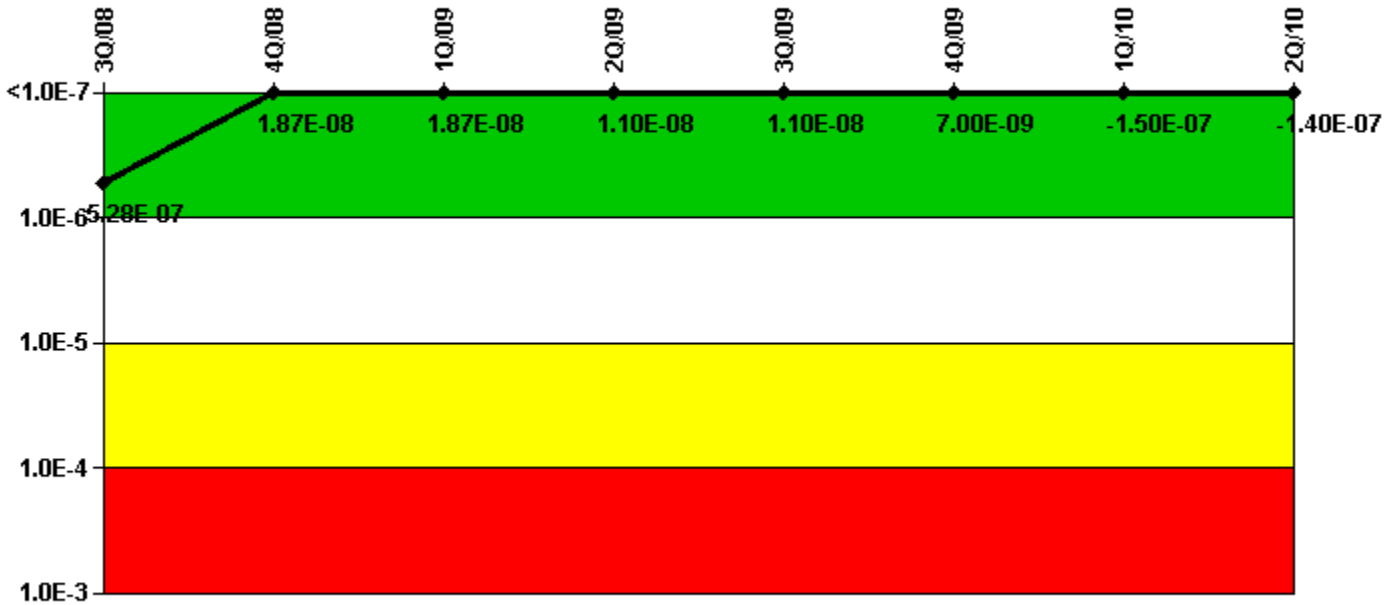
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



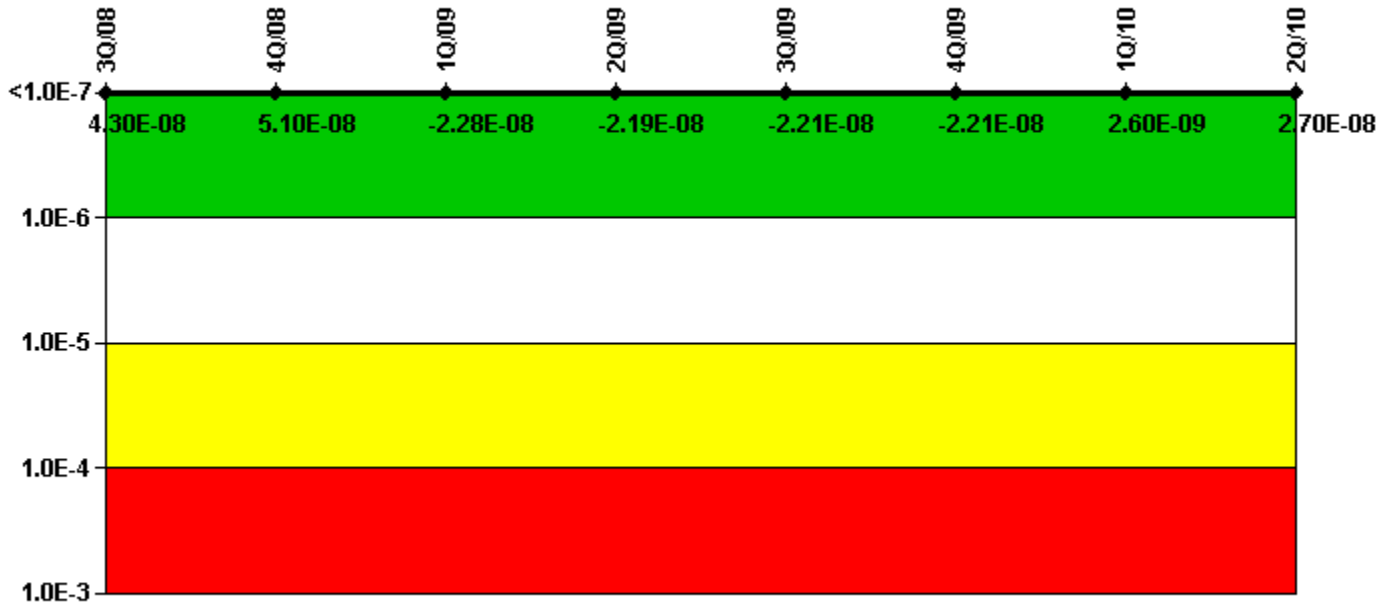
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF) | 2.80E-08 | 2.30E-08 | 2.30E-08 | 2.40E-08 | 2.40E-08 | 2.40E-08 | 2.32E-08 | 2.38E-08 |
| URI (ΔCDF) | 5.00E-07 | -4.30E-09 | -4.30E-09 | -1.30E-08 | -1.30E-08 | -1.70E-08 | -1.70E-07 | -1.60E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 5.28E-07 | 1.87E-08 | 1.87E-08 | 1.10E-08 | 1.10E-08 | 7.00E-09 | -1.50E-07 | -1.40E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



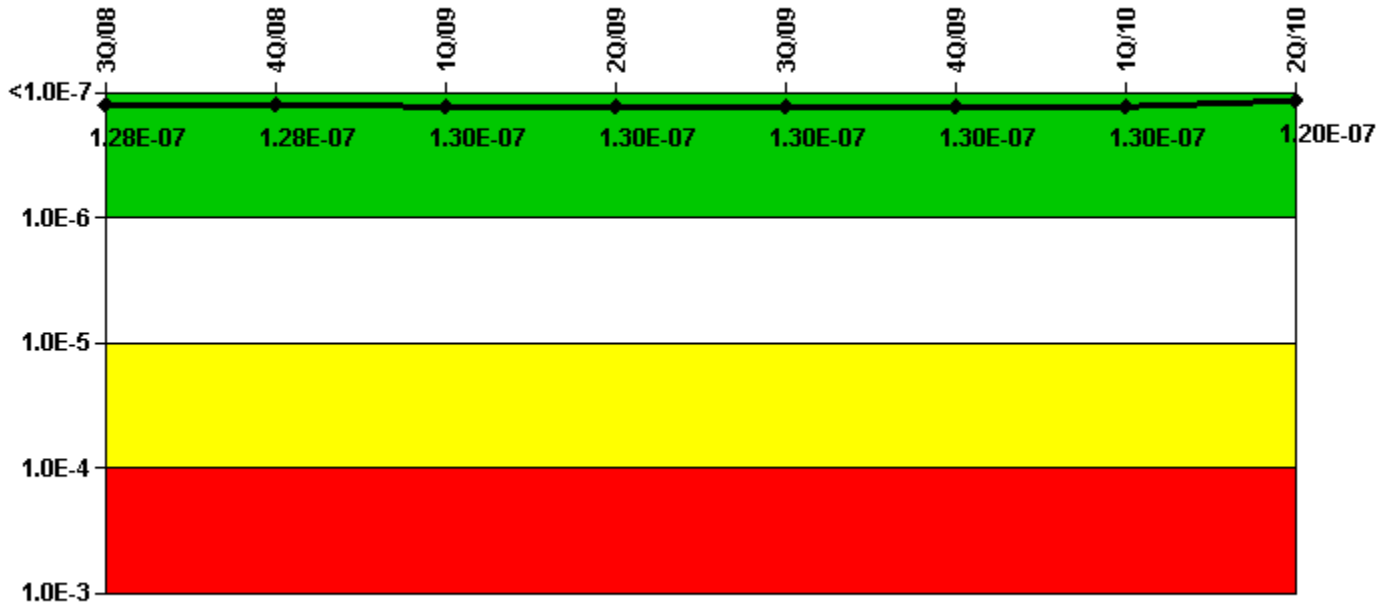
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -2.10E-08 | -2.10E-08 | -2.20E-08 | -2.10E-08 | -2.10E-08 | -2.10E-08 | -2.11E-08 | -2.19E-08 |
| URI (Δ CDF) | 6.40E-08 | 7.20E-08 | -8.20E-10 | -9.40E-10 | -1.10E-09 | -1.10E-09 | 2.37E-08 | 4.92E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 4.30E-08 | 5.10E-08 | -2.28E-08 | -2.19E-08 | -2.21E-08 | -2.21E-08 | 2.60E-09 | 2.70E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



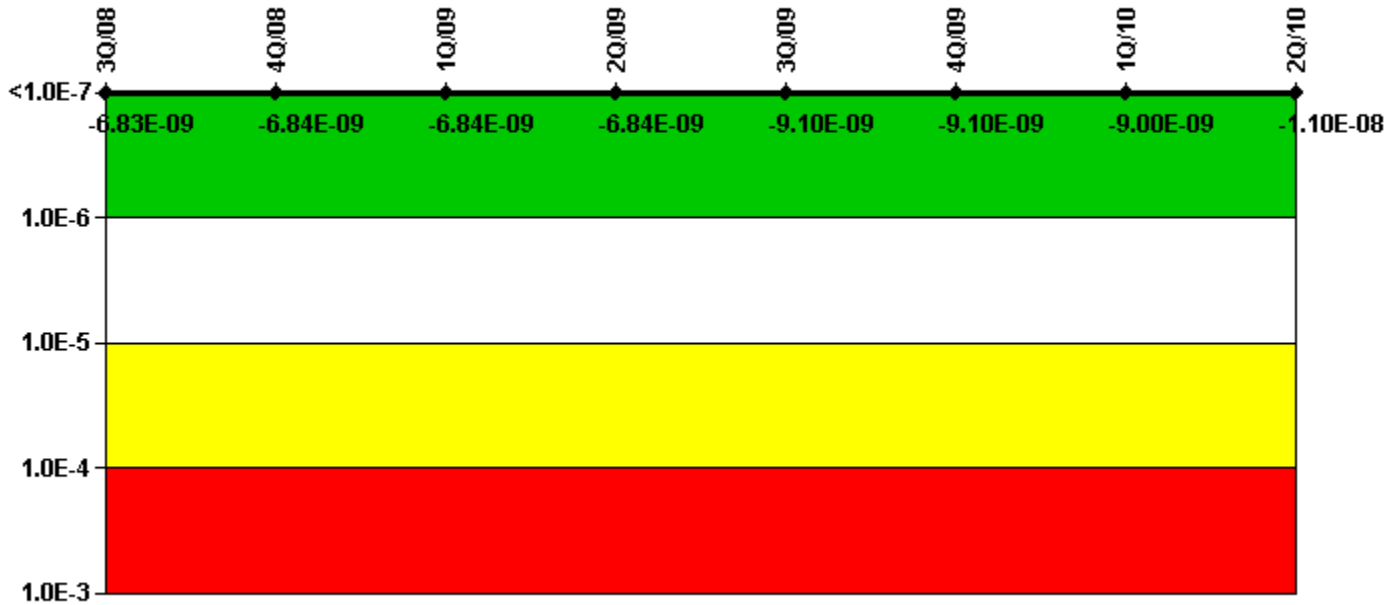
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Heat Removal System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -2.20E-08 | -2.20E-08 | -2.00E-08 | -2.00E-08 | -2.00E-08 | -2.00E-08 | -2.02E-08 | -2.06E-08 |
| URI (Δ CDF) | 1.50E-07 | 1.50E-07 | 1.50E-07 | 1.50E-07 | 1.50E-07 | 1.50E-07 | 1.50E-07 | 1.41E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 1.28E-07 | 1.28E-07 | 1.30E-07 | 1.30E-07 | 1.30E-07 | 1.30E-07 | 1.30E-07 | 1.20E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



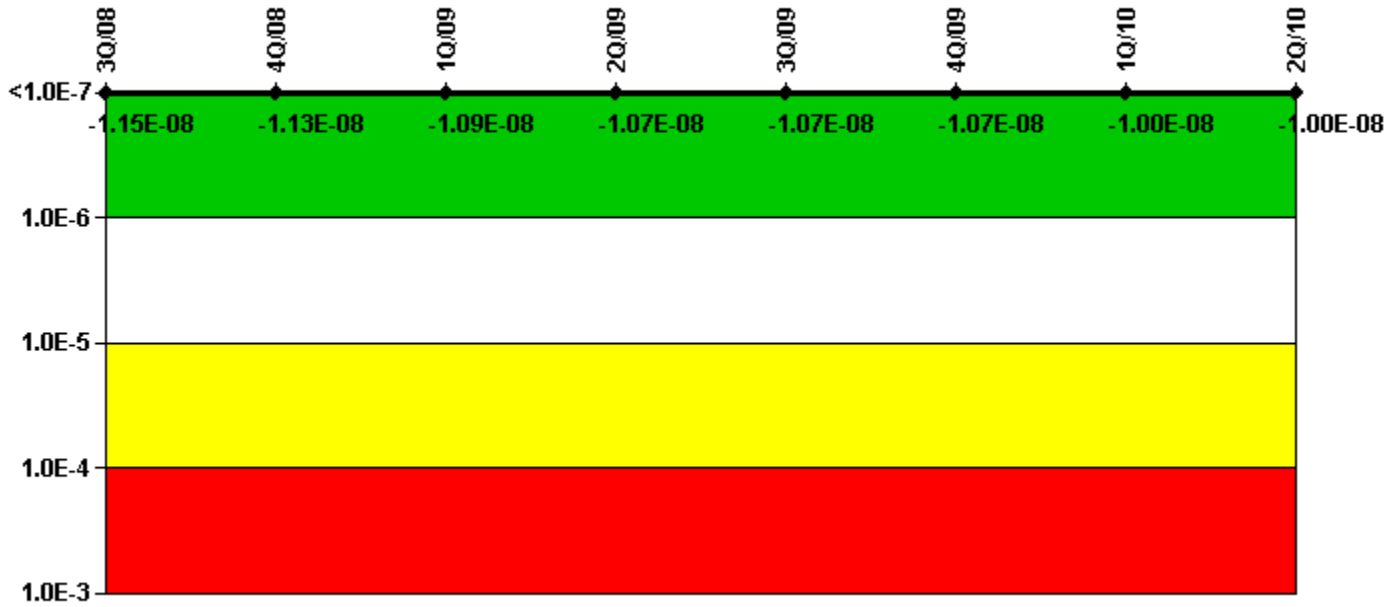
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 8.70E-10 | 7.60E-10 | 7.60E-10 | 7.60E-10 | -1.50E-09 | -1.50E-09 | -1.55E-09 | -3.52E-09 |
| URI (Δ CDF) | -7.70E-09 | -7.60E-09 | -7.60E-09 | -7.60E-09 | -7.60E-09 | -7.60E-09 | -7.50E-09 | -7.71E-09 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -6.83E-09 | -6.84E-09 | -6.84E-09 | -6.84E-09 | -9.10E-09 | -9.10E-09 | -9.00E-09 | -1.10E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



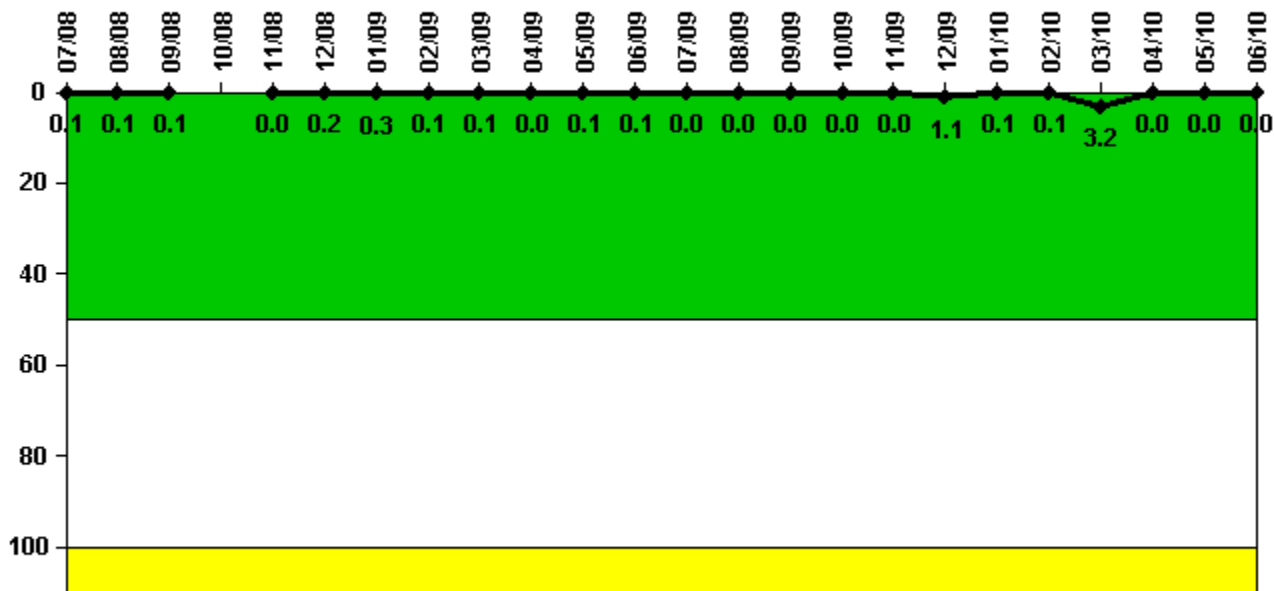
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 5.50E-10 | 6.80E-10 | 1.10E-09 | 1.30E-09 | 1.30E-09 | 1.30E-09 | 1.27E-09 | 1.05E-09 |
| URI (Δ CDF) | -1.20E-08 | -1.20E-08 | -1.20E-08 | -1.20E-08 | -1.20E-08 | -1.20E-08 | -1.16E-08 | -1.14E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.15E-08 | -1.13E-08 | -1.09E-08 | -1.07E-08 | -1.07E-08 | -1.07E-08 | -1.00E-08 | -1.00E-08 |

Licensee Comments: none

Reactor Coolant System Activity



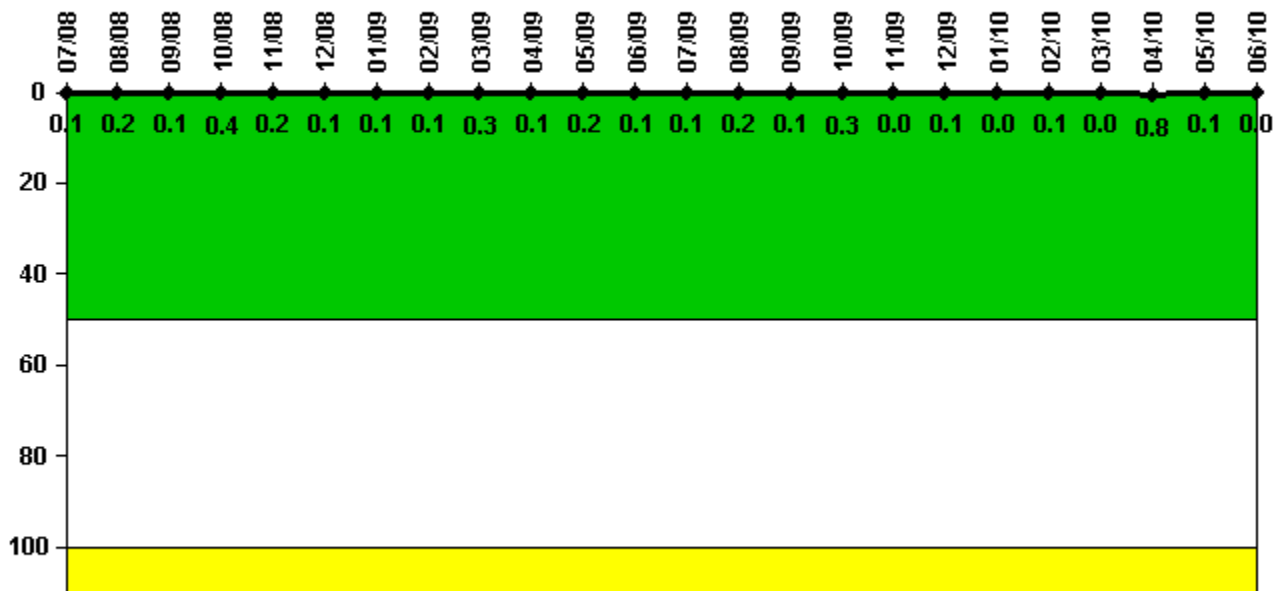
Thresholds: White > 50.0 Yellow > 100.0

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 | 0.000526 | 0.000583 | 0.000669 | N/A | 0.000374 | 0.002470 | 0.002540 | 0.000708 | 0.000523 | 0.000477 | 0.000509 | 0.000521 |
| 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 | N/A | 0 | 0.2 | 0.3 | 0.1 | 0.1 | 0 | 0.1 | 0.1 |
| 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 | 0.000466 | 0.000419 | 0.000437 | 0.000444 | 0.000475 | 0.011000 | 0.000592 | 0.000588 | 0.032100 | 0.000175 | 0.000235 | 0.000283 |
| 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 | 0 | 0 | 0 | 0 | 1.1 | 0.1 | 0.1 | 3.2 | 0 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Leakage



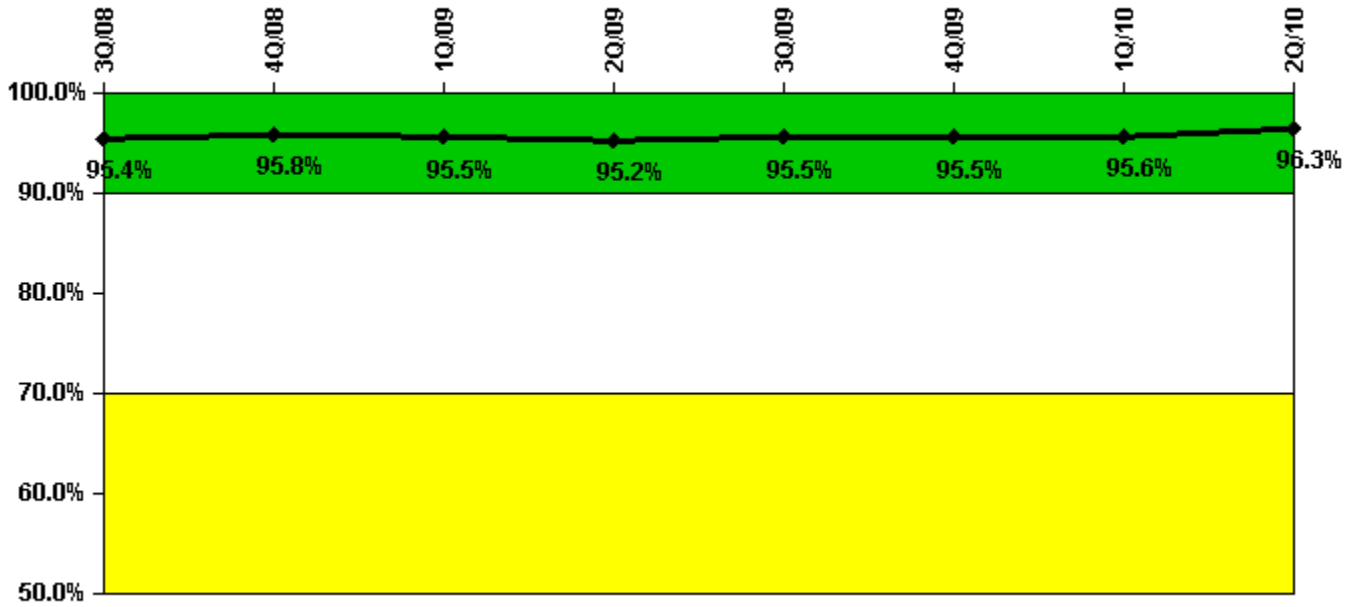
Thresholds: White > 50.0 Yellow > 100.0

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 | 0.012 | 0.021 | 0.014 | 0.043 | 0.021 | 0.011 | 0.008 | 0.006 | 0.031 | 0.009 | 0.023 | 0.012 |
| 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 | 0.2 | 0.1 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.3 | 0.1 | 0.2 | 0.1 |
| 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 | 0.006 | 0.016 | 0.013 | 0.031 | 0.002 | 0.011 | 0.003 | 0.009 | 0.002 | 0.082 | 0.006 | 0.003 |
| 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 | 0.2 | 0.1 | 0.3 | 0 | 0.1 | 0 | 0.1 | 0 | 0.8 | 0.1 | 0 |

Licensee Comments: none

Drill/Exercise Performance



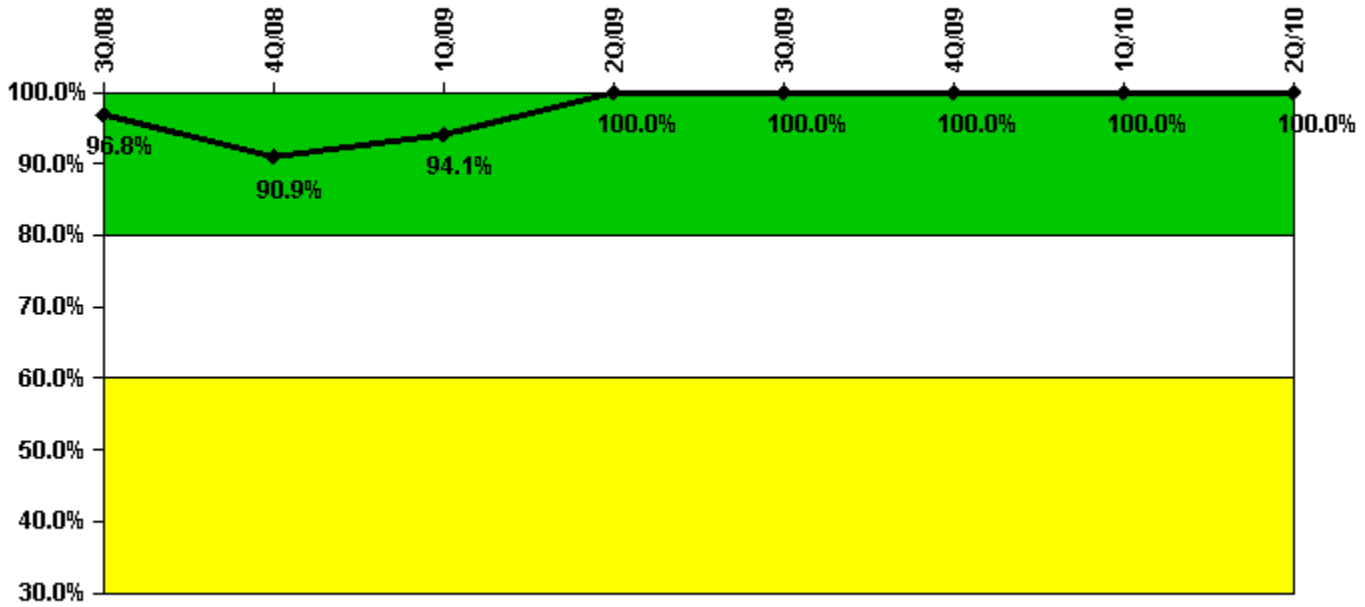
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 11.0 | 39.0 | 30.0 | 28.0 | 42.0 | 28.0 | 31.0 | 50.0 |
| Total opportunities | 14.0 | 40.0 | 31.0 | 29.0 | 43.0 | 29.0 | 33.0 | 50.0 |
| Indicator value | 95.4% | 95.8% | 95.5% | 95.2% | 95.5% | 95.5% | 95.6% | 96.3% |

Licensee Comments: none

ERO Drill Participation



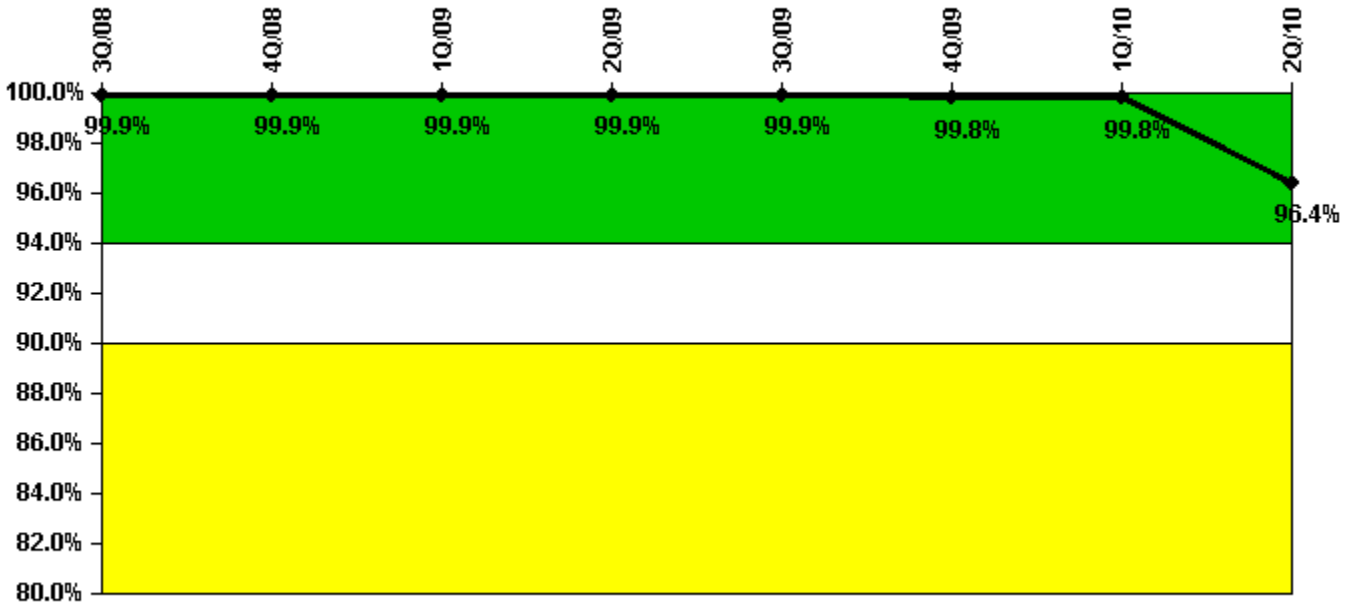
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|-----------------------------|-------|-------|-------|--------|--------|--------|--------|--------|
| Participating Key personnel | 152.0 | 140.0 | 160.0 | 175.0 | 177.0 | 179.0 | 177.0 | 175.0 |
| Total Key personnel | 157.0 | 154.0 | 170.0 | 175.0 | 177.0 | 179.0 | 177.0 | 175.0 |
| Indicator value | 96.8% | 90.9% | 94.1% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

Alert & Notification System



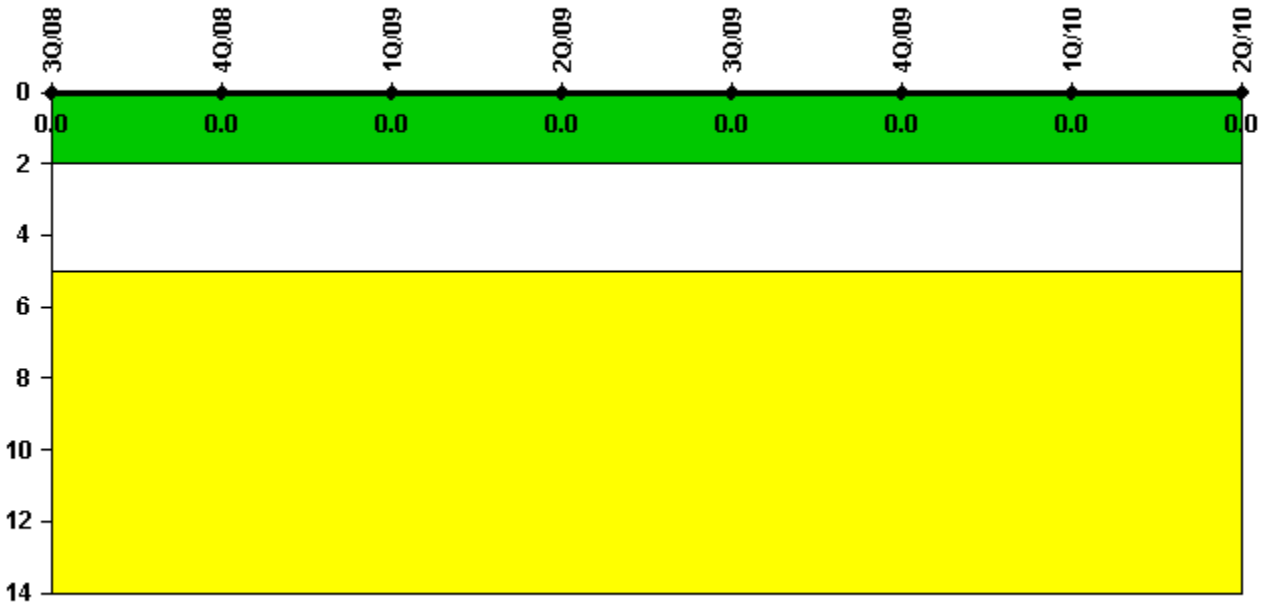
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 476 | 476 | 476 | 474 | 476 | 475 | 476 | 408 |
| Total sirens-tests | 476 | 476 | 476 | 476 | 476 | 476 | 476 | 476 |
| | | | | | | | | |
| Indicator value | 99.9% | 99.9% | 99.9% | 99.9% | 99.9% | 99.8% | 99.8% | 96.4% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



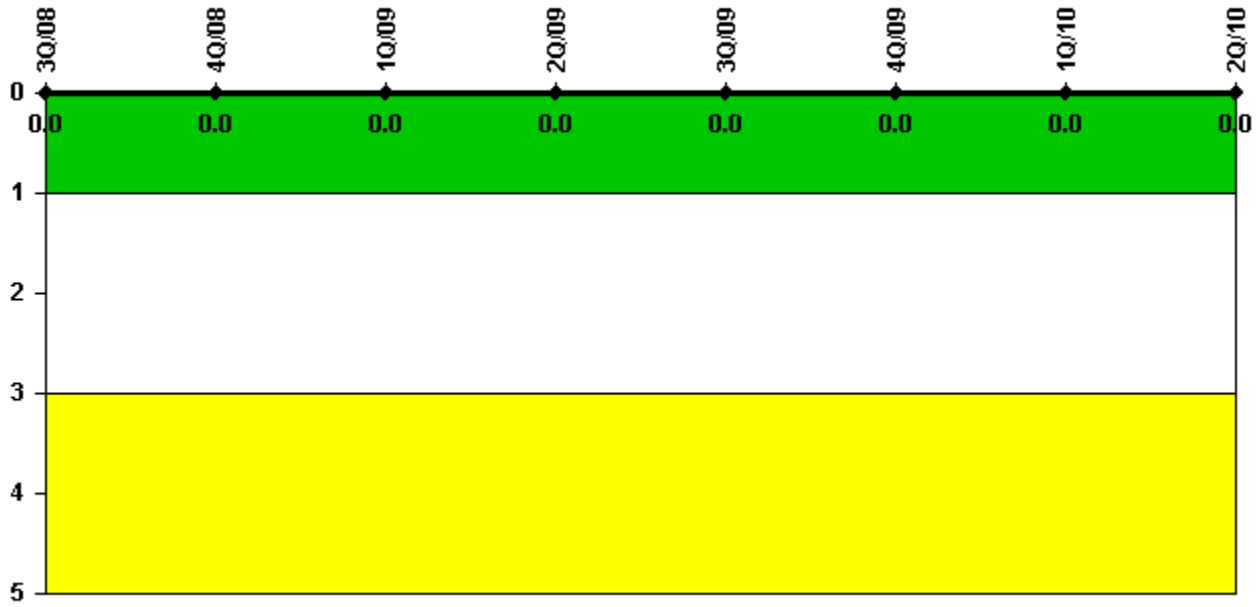
Thresholds: White > 2.0 Yellow > 5.0

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.