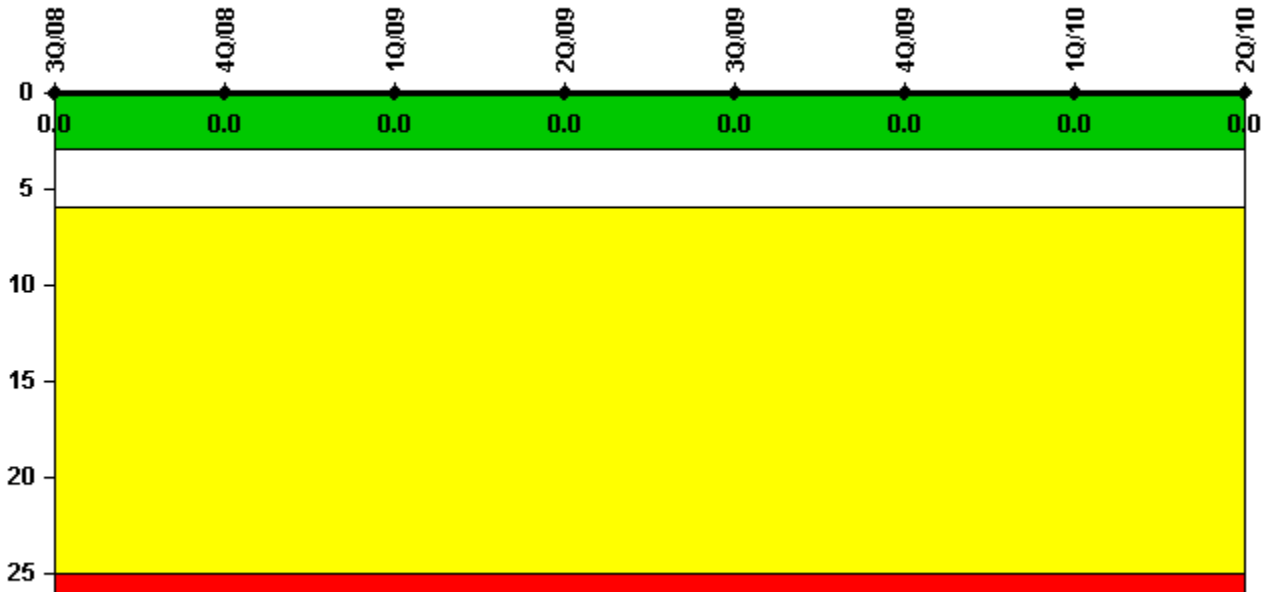


Beaver Valley 2

2Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



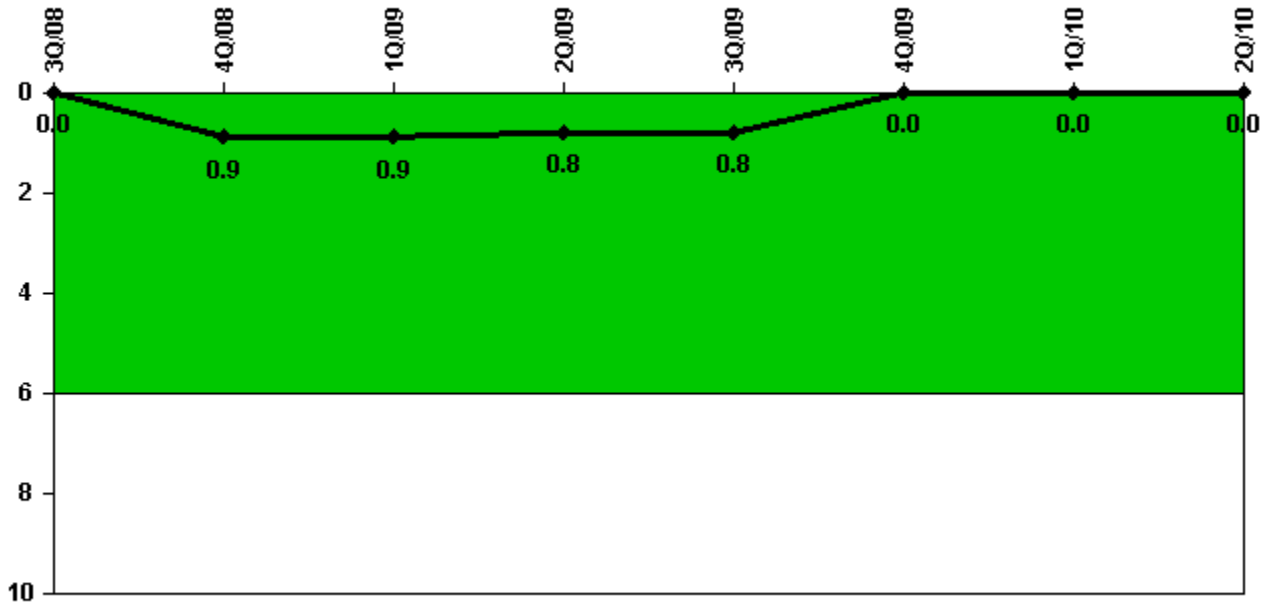
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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 | 0 | 0 |
| Critical hours | 2208.0 | 2129.8 | 2159.0 | 2184.0 | 2208.0 | 1122.3 | 2159.0 | 2184.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



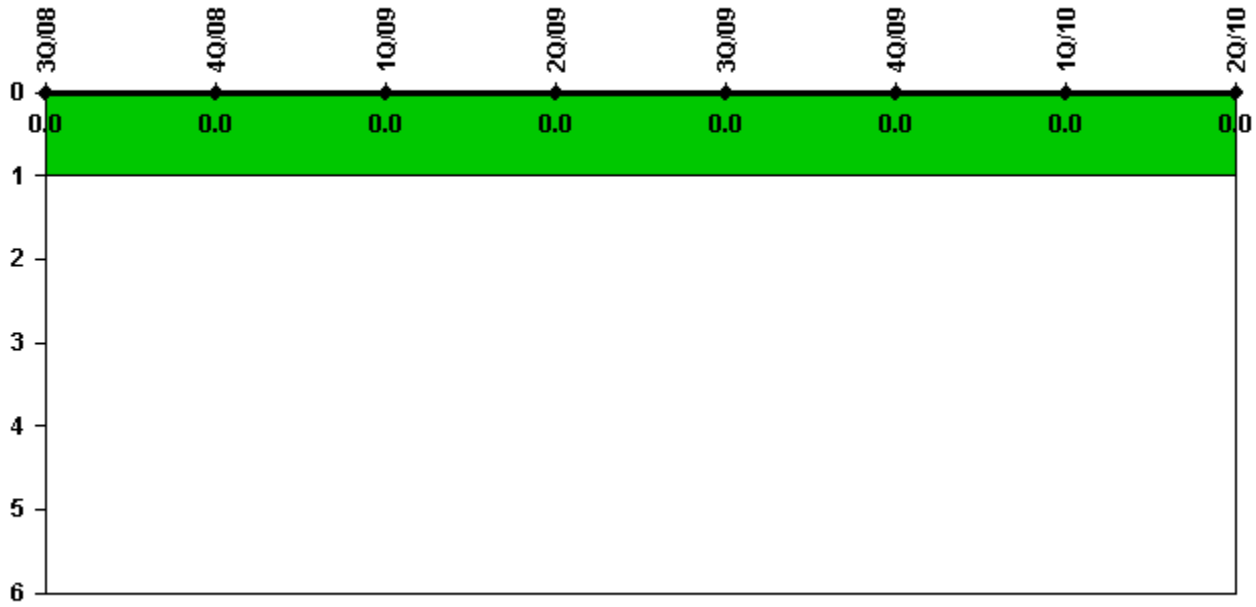
Thresholds: White > 6.0

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 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2129.8 | 2159.0 | 2184.0 | 2208.0 | 1122.3 | 2159.0 | 2184.0 |
| Indicator value | 0 | 0.9 | 0.9 | 0.8 | 0.8 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Scrams with Complications



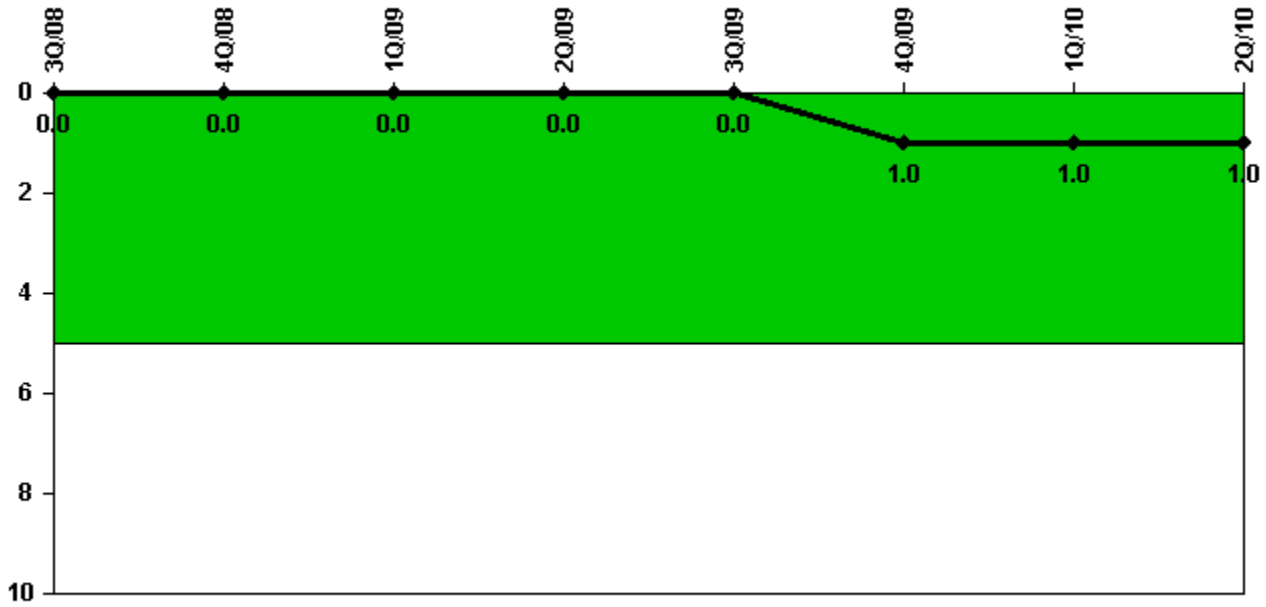
Thresholds: White > 1.0

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)



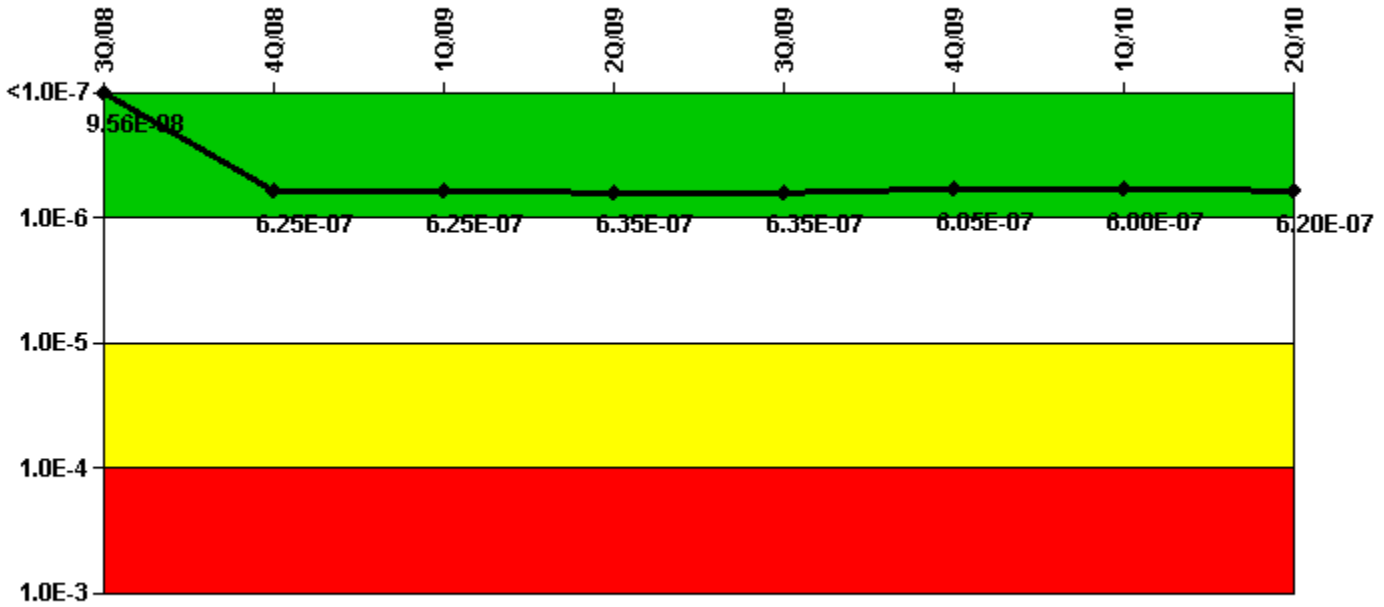
Thresholds: White > 5.0

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 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Indicator value | 0 | 0 | 0 | 0 | 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

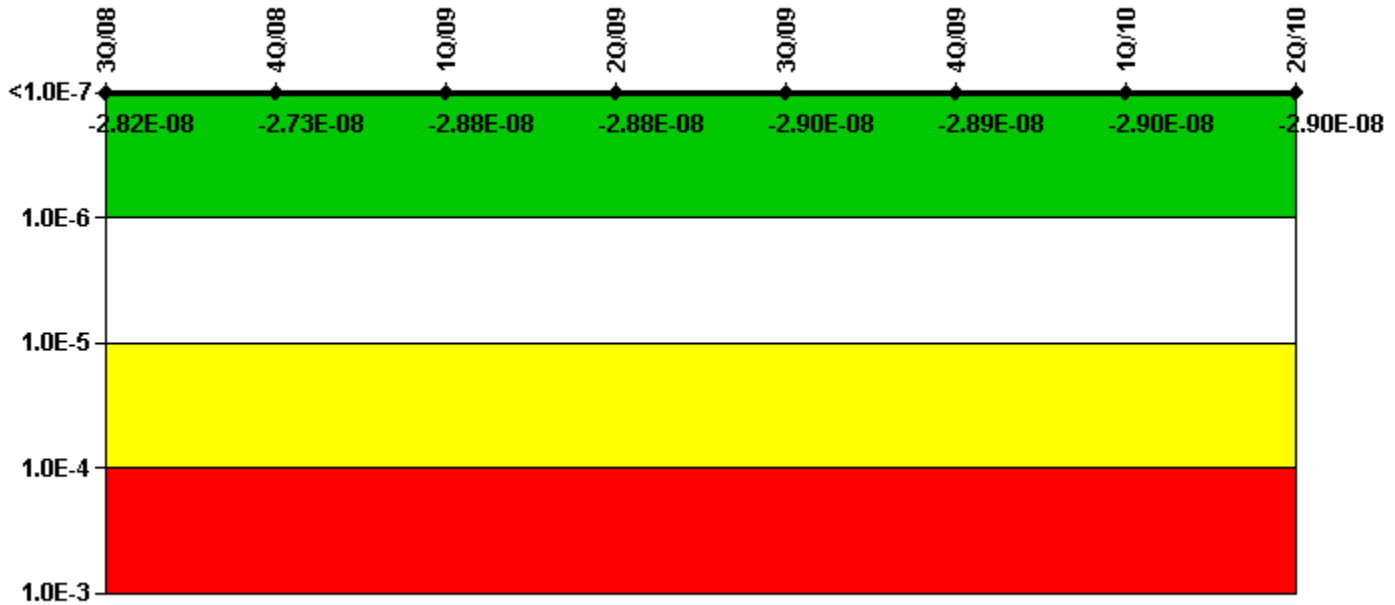
Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---|-----------|----------|----------|----------|----------|-----------|-----------|----------|
| UAI (Δ CDF) | -1.40E-09 | 2.50E-08 | 2.50E-08 | 2.50E-08 | 2.50E-08 | -5.00E-09 | -5.04E-09 | 1.31E-08 |
| URI (Δ CDF) | 9.70E-08 | 6.00E-07 | 6.00E-07 | 6.10E-07 | 6.10E-07 | 6.10E-07 | 6.06E-07 | 6.06E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 9.56E-08 | 6.25E-07 | 6.25E-07 | 6.35E-07 | 6.35E-07 | 6.05E-07 | 6.00E-07 | 6.20E-07 |

Licensee Comments:

2Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



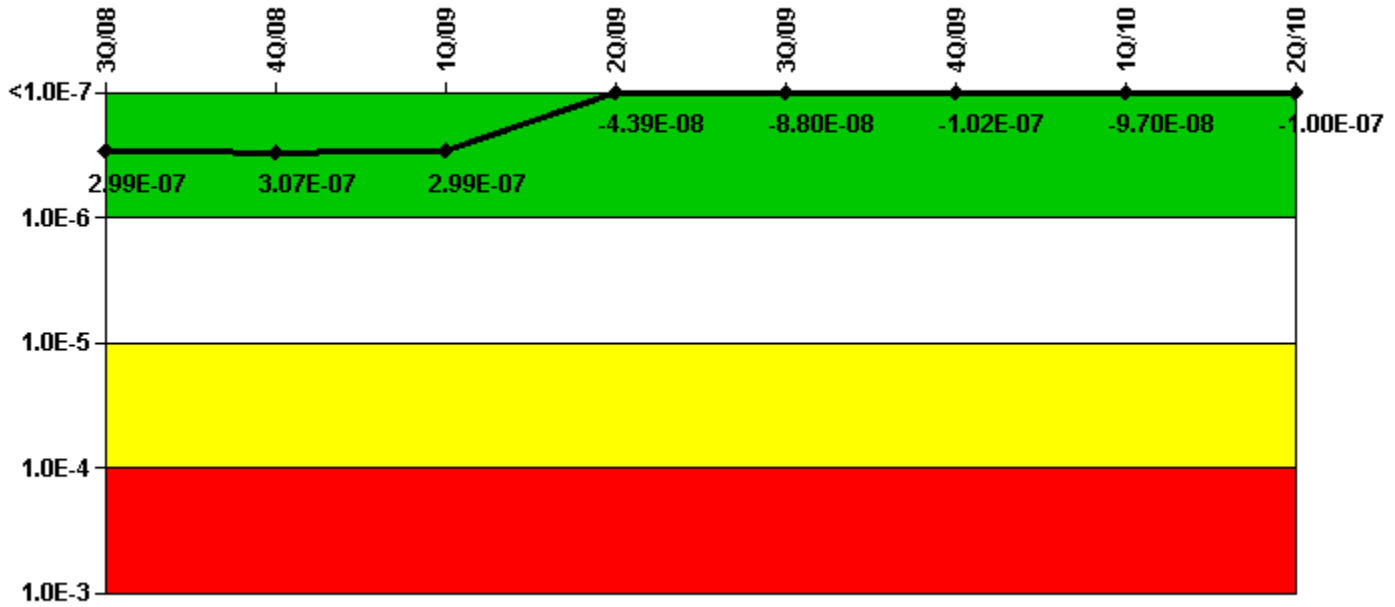
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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) | -7.20E-09 | -6.30E-09 | -7.80E-09 | -7.80E-09 | -8.00E-09 | -7.90E-09 | -7.95E-09 | -7.95E-09 |
| URI (Δ CDF) | -2.10E-08 | -2.10E-08 | -2.10E-08 | -2.10E-08 | -2.10E-08 | -2.10E-08 | -2.11E-08 | -2.11E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -2.82E-08 | -2.73E-08 | -2.88E-08 | -2.88E-08 | -2.90E-08 | -2.89E-08 | -2.90E-08 | -2.90E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



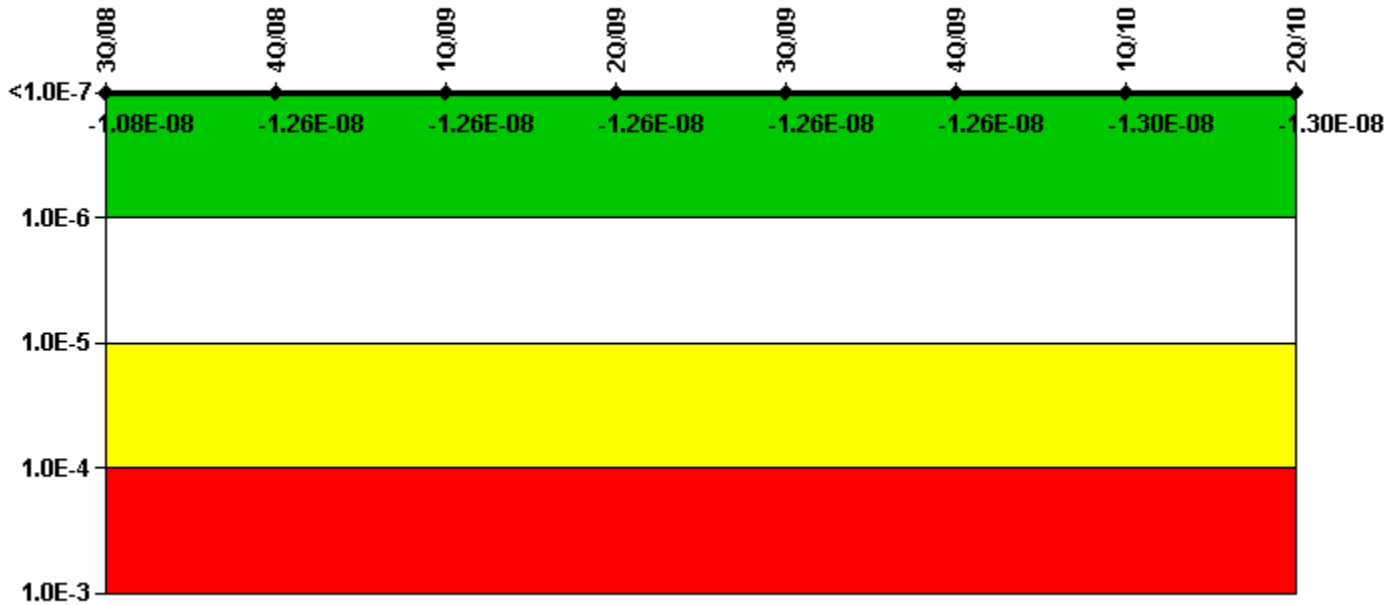
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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) | 6.90E-08 | 7.70E-08 | 6.90E-08 | 5.10E-09 | -3.90E-08 | -5.30E-08 | -4.79E-08 | -5.07E-08 |
| URI (Δ CDF) | 2.30E-07 | 2.30E-07 | 2.30E-07 | -4.90E-08 | -4.90E-08 | -4.90E-08 | -4.89E-08 | -4.89E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 2.99E-07 | 3.07E-07 | 2.99E-07 | -4.39E-08 | -8.80E-08 | -1.02E-07 | -9.70E-08 | -1.00E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



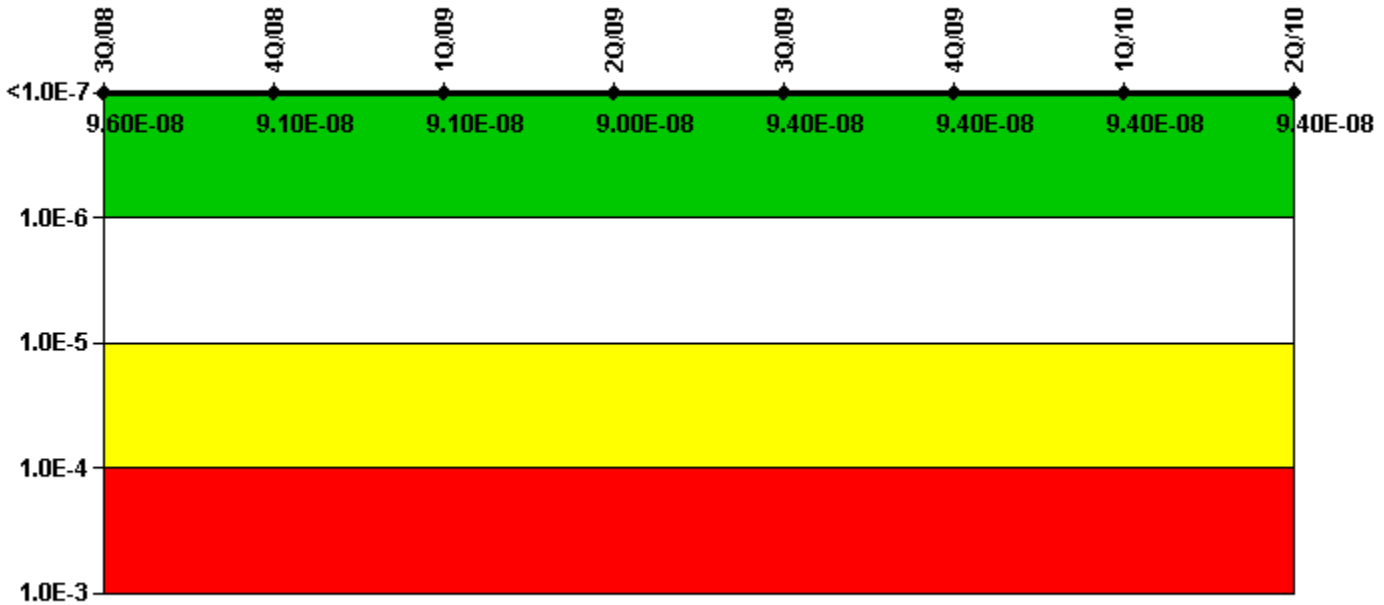
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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) | -4.10E-09 | -5.90E-09 | -5.90E-09 | -5.90E-09 | -5.90E-09 | -5.90E-09 | -5.87E-09 | -5.87E-09 |
| URI (Δ CDF) | -6.70E-09 | -6.70E-09 | -6.70E-09 | -6.70E-09 | -6.70E-09 | -6.70E-09 | -6.71E-09 | -6.71E-09 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.08E-08 | -1.26E-08 | -1.26E-08 | -1.26E-08 | -1.26E-08 | -1.26E-08 | -1.30E-08 | -1.30E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



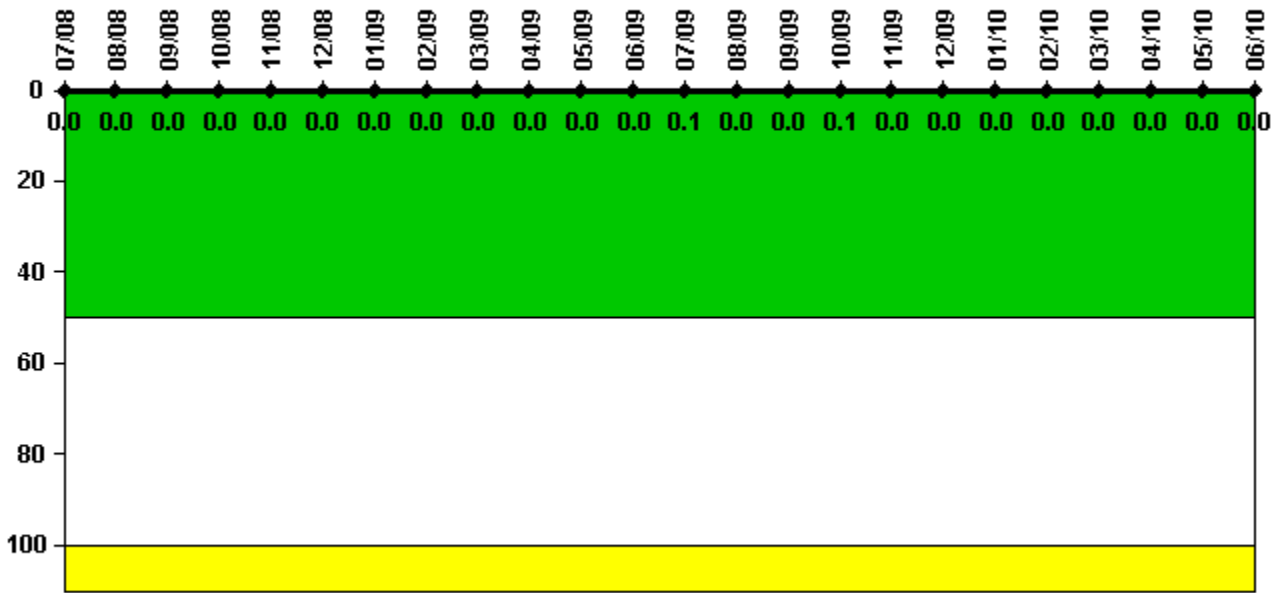
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| UAI (Δ CDF) | 5.50E-08 | 6.50E-08 | 6.50E-08 | 6.40E-08 | 6.80E-08 | 6.80E-08 | 6.80E-08 | 6.80E-08 |
| URI (Δ CDF) | 4.10E-08 | 2.60E-08 | 2.60E-08 | 2.60E-08 | 2.60E-08 | 2.60E-08 | 2.60E-08 | 2.60E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 9.60E-08 | 9.10E-08 | 9.10E-08 | 9.00E-08 | 9.40E-08 | 9.40E-08 | 9.40E-08 | 9.40E-08 |

Licensee Comments: none

Reactor Coolant System Activity



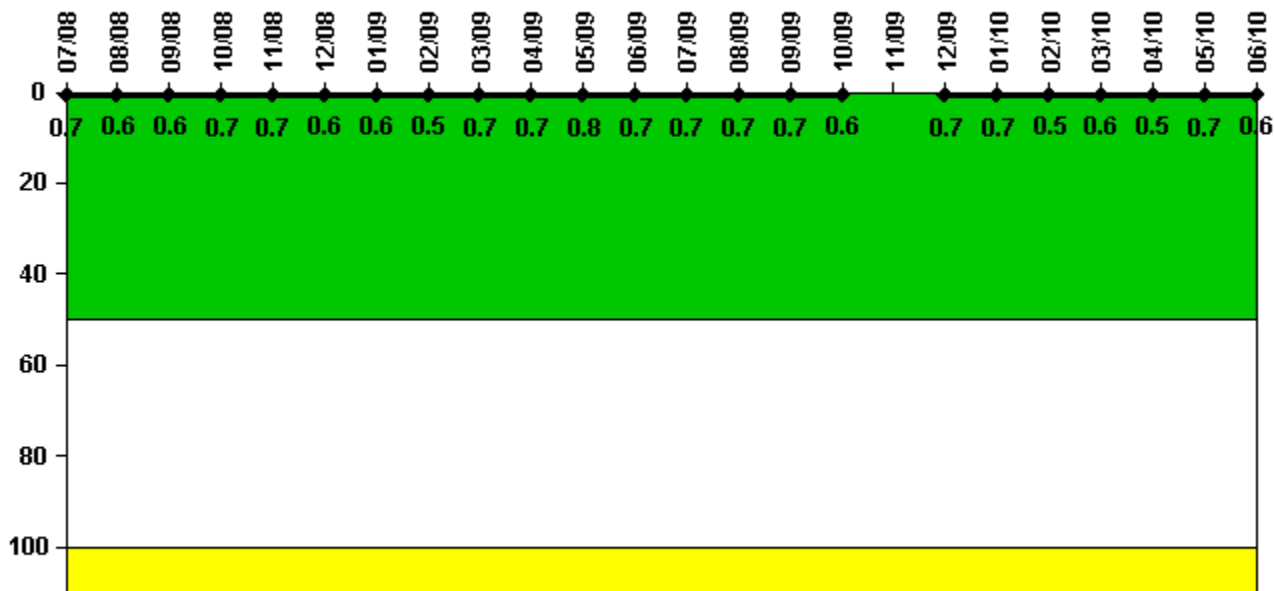
Thresholds: White > 50.0 Yellow > 100.0

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 | 0.000099 | 0.000113 | 0.000115 | 0.000116 | 0.000128 | 0.000125 | 0.000135 | 0.000033 | 0.000149 | 0.000147 | 0.000162 | 0.000152 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0.000178 | 0.000167 | 0.000170 | 0.000182 | 0.000058 | 0.000087 | 0.000098 | 0.000117 | 0.000118 | 0.000115 | 0.000127 | 0.000123 |
| 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 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Leakage



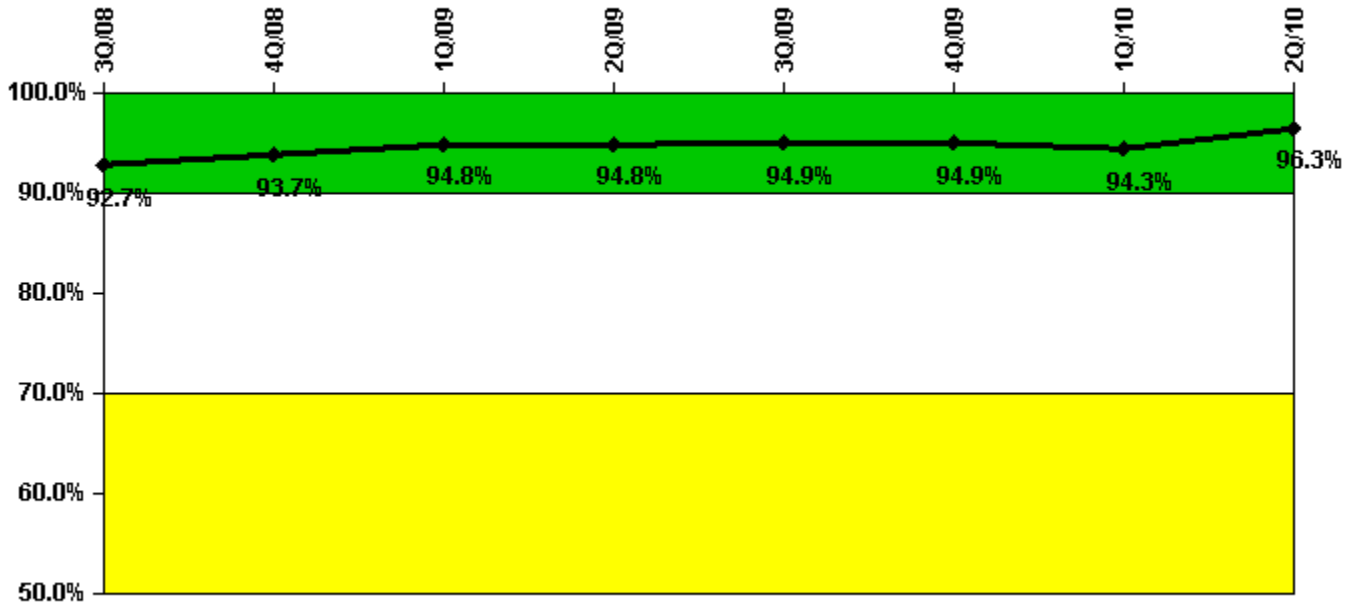
Thresholds: White > 50.0 Yellow > 100.0

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 | 0.070 | 0.060 | 0.060 | 0.070 | 0.070 | 0.060 | 0.060 | 0.050 | 0.070 | 0.070 | 0.080 | 0.070 |
| 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 | 0.6 | 0.6 | 0.7 | 0.7 | 0.6 | 0.6 | 0.5 | 0.7 | 0.7 | 0.8 | 0.7 |
| 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 | 0.070 | 0.070 | 0.060 | N/A | 0.070 | 0.070 | 0.050 | 0.060 | 0.050 | 0.070 | 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 | 0.7 | 0.7 | 0.7 | 0.6 | N/A | 0.7 | 0.7 | 0.5 | 0.6 | 0.5 | 0.7 | 0.6 |

Licensee Comments: none

Drill/Exercise Performance



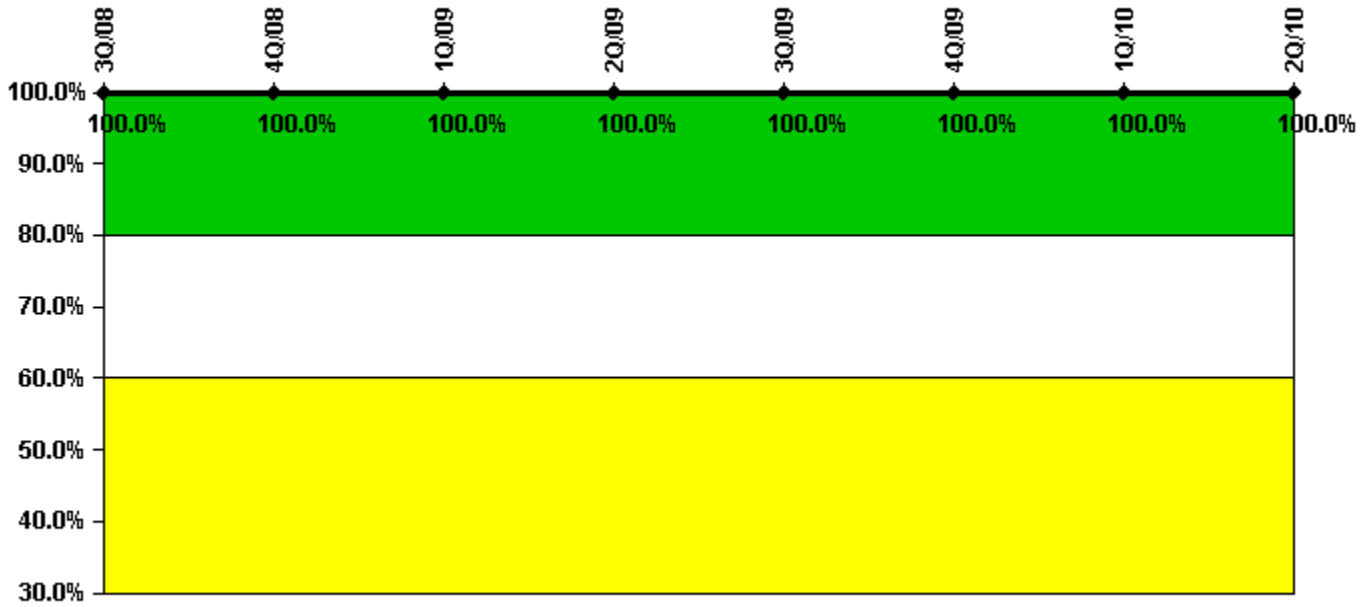
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 24.0 | 44.0 | 40.0 | 28.0 | 22.0 | 2.0 | 26.0 | 45.0 |
| Total opportunities | 27.0 | 45.0 | 40.0 | 29.0 | 22.0 | 2.0 | 30.0 | 45.0 |
| | | | | | | | | |
| Indicator value | 92.7% | 93.7% | 94.8% | 94.8% | 94.9% | 94.9% | 94.3% | 96.3% |

Licensee Comments: none

ERO Drill Participation



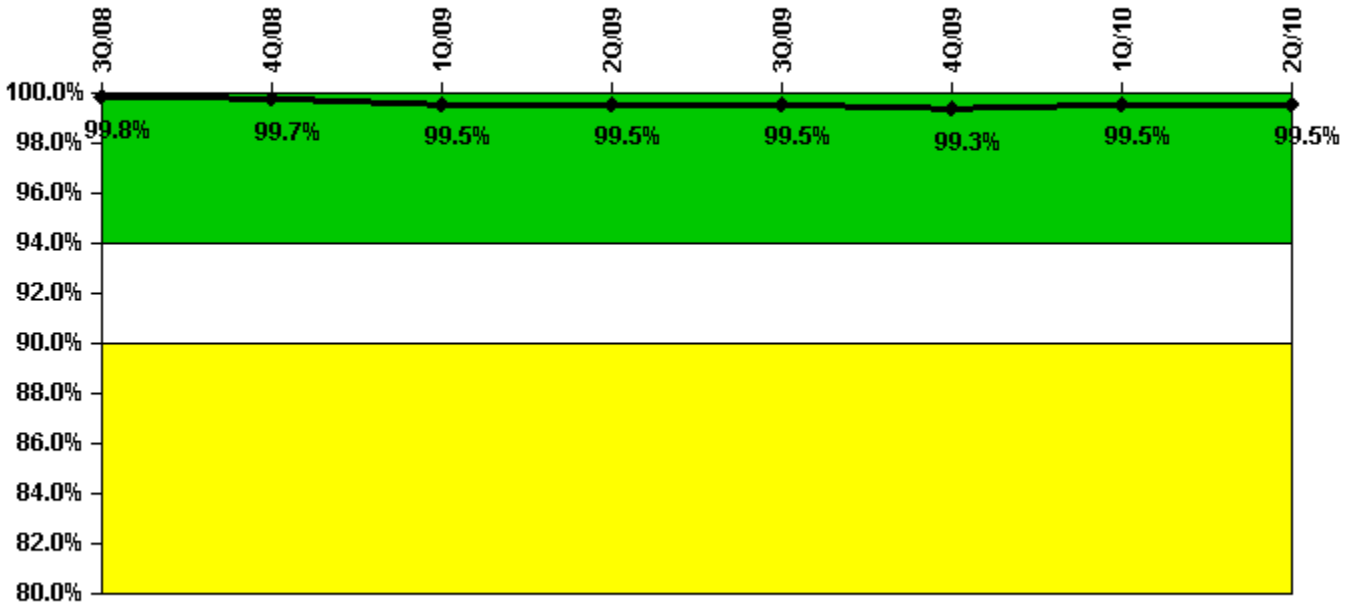
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 129.0 | 125.0 | 129.0 | 123.0 | 122.0 | 123.0 | 122.0 | 119.0 |
| Total Key personnel | 129.0 | 125.0 | 129.0 | 123.0 | 122.0 | 123.0 | 122.0 | 119.0 |
| | | | | | | | | |
| Indicator value | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

Alert & Notification System



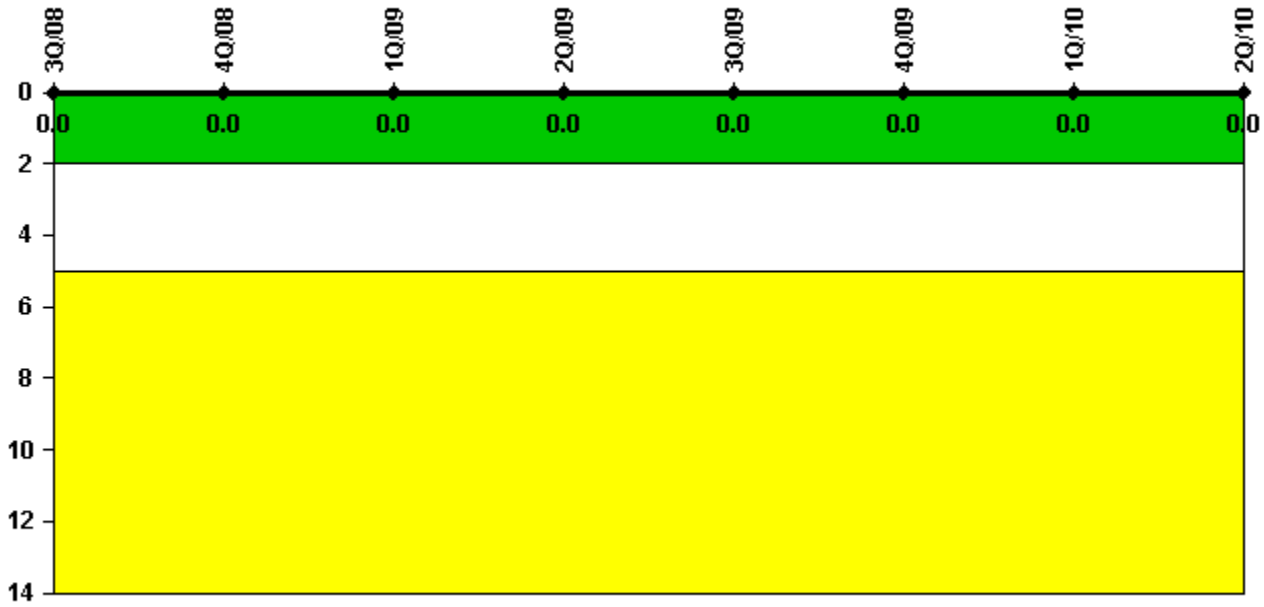
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 237 | 118 | 118 | 119 | 237 | 117 | 119 | 115 |
| Total sirens-tests | 238 | 119 | 119 | 119 | 238 | 119 | 119 | 115 |
| | | | | | | | | |
| Indicator value | 99.8% | 99.7% | 99.5% | 99.5% | 99.5% | 99.3% | 99.5% | 99.5% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



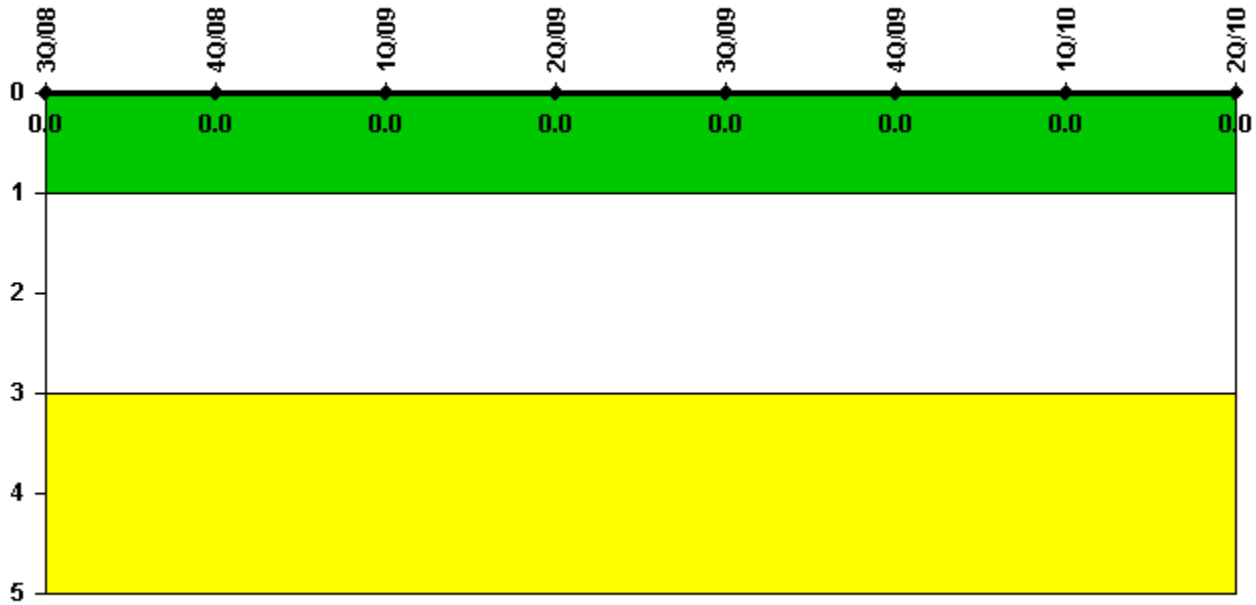
Thresholds: White > 2.0 Yellow > 5.0

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.