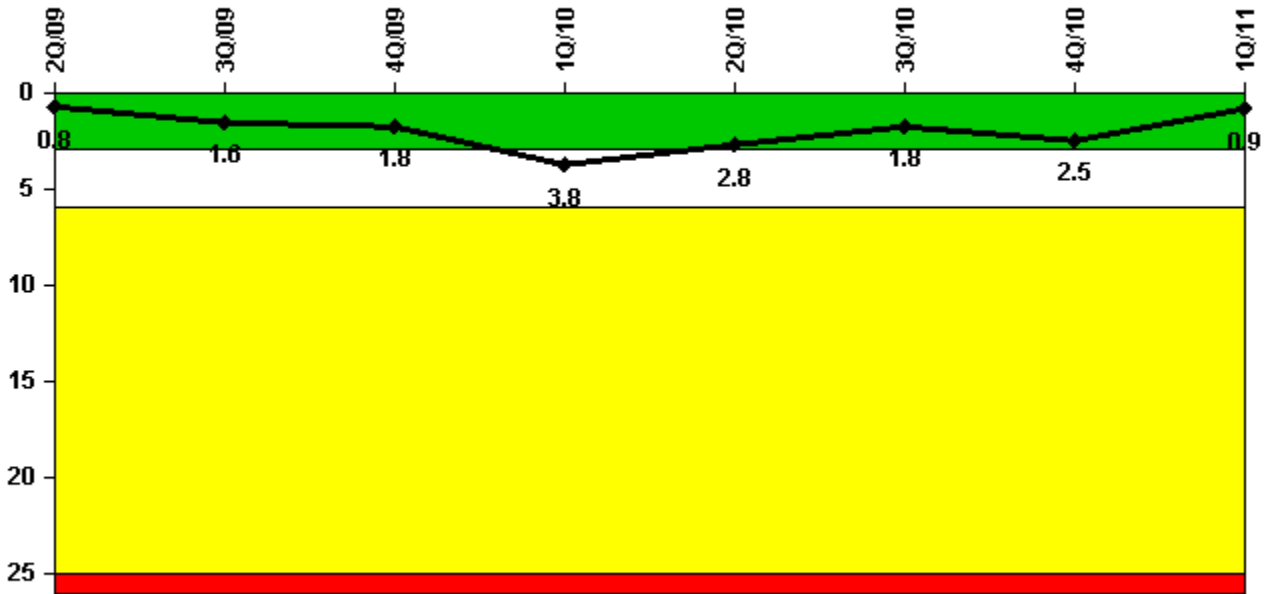


Wolf Creek 1

1Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



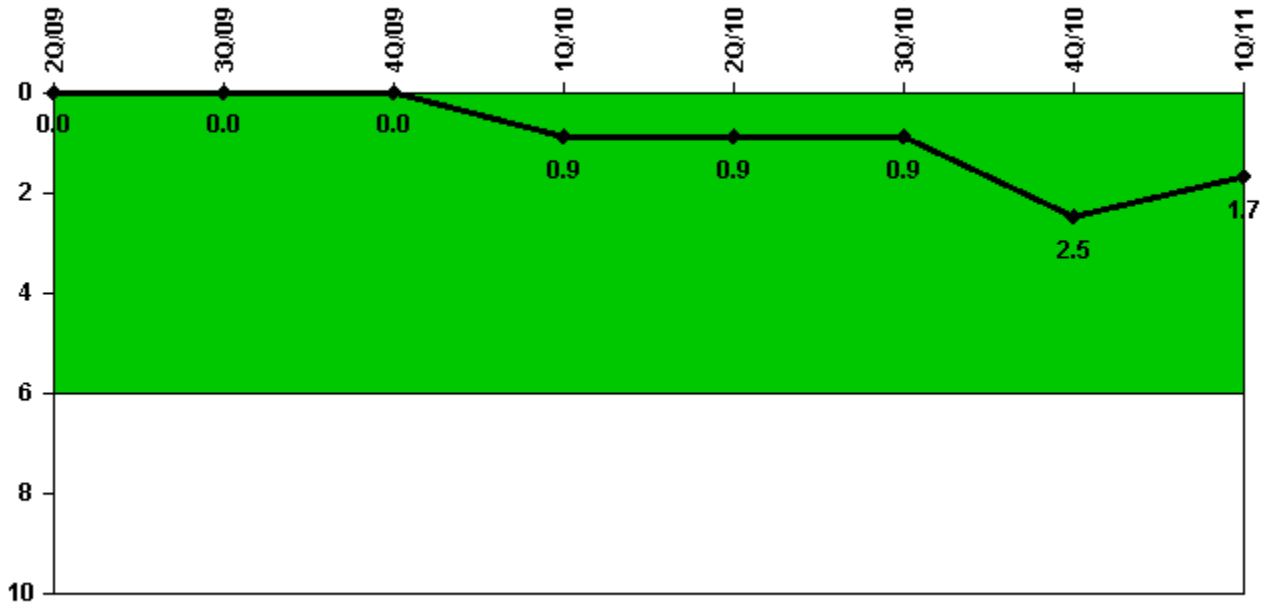
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 1.0 | 1.0 | 0 | 2.0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2126.9 | 2115.9 | 1207.1 | 2005.2 | 2184.0 | 2208.0 | 1852.4 | 1847.9 |
| Indicator value | 0.8 | 1.6 | 1.8 | 3.8 | 2.8 | 1.8 | 2.5 | 0.9 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



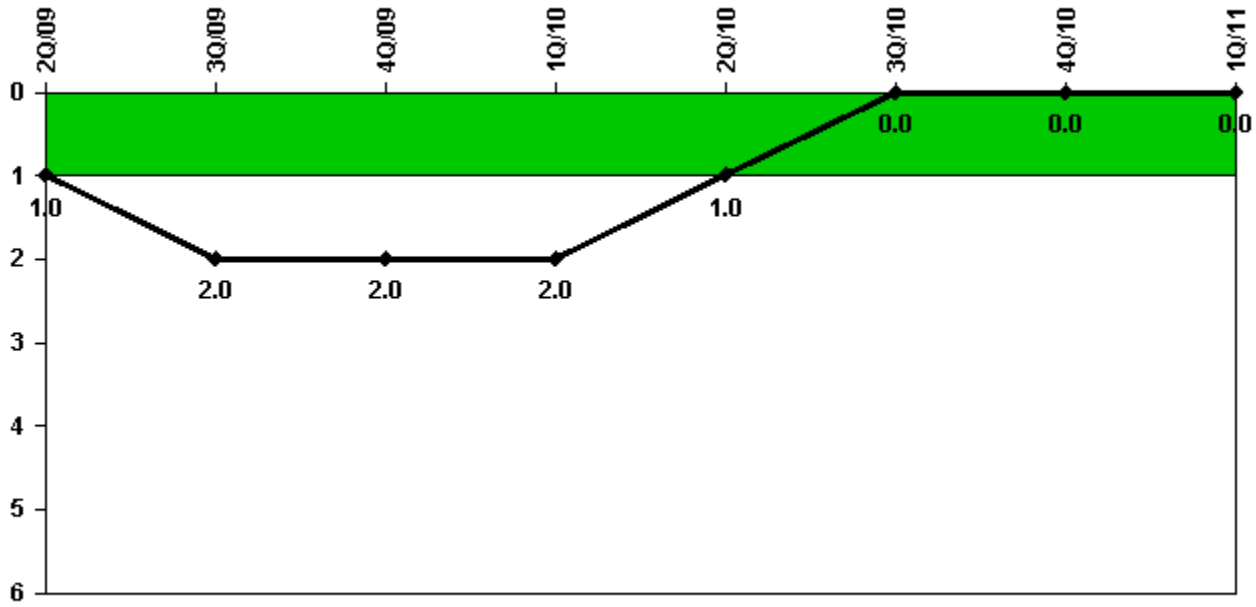
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 0 | 0 | 1.0 | 0 | 0 | 2.0 | 0 |
| Critical hours | 2126.9 | 2115.9 | 1207.1 | 2005.2 | 2184.0 | 2208.0 | 1852.4 | 1847.9 |
| Indicator value | 0 | 0 | 0 | 0.9 | 0.9 | 0.9 | 2.5 | 1.7 |

Licensee Comments: none

Unplanned Scrams with Complications



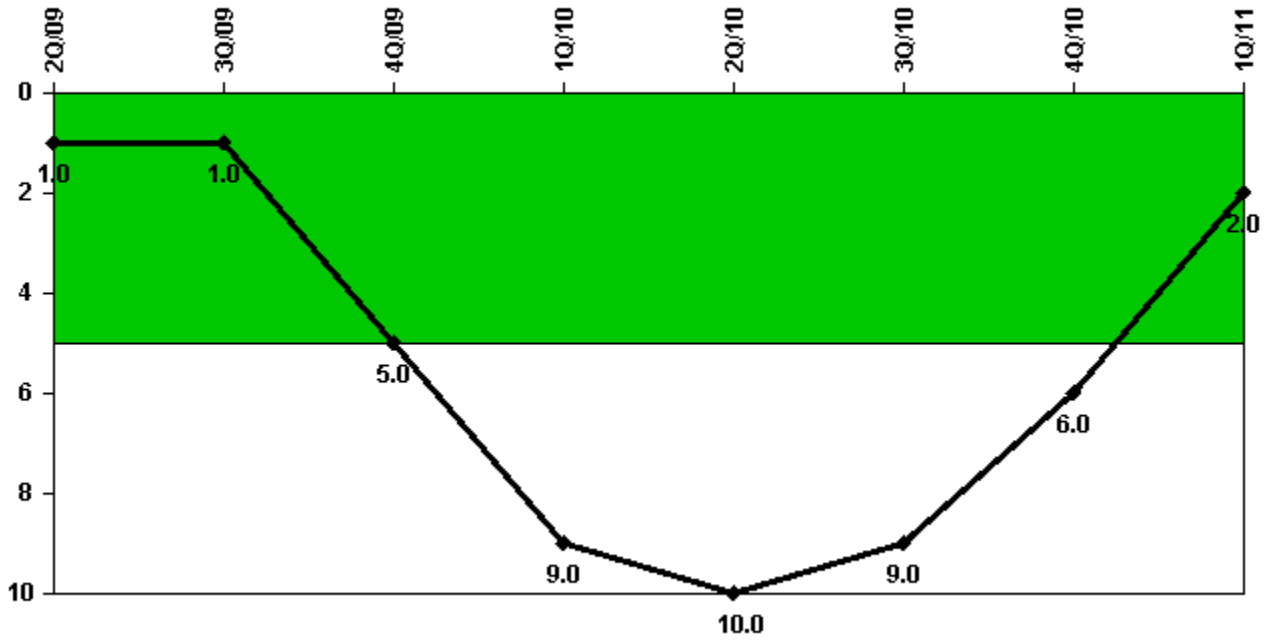
Thresholds: White > 1.0

Notes

| Unplanned Scrams with Complications | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams with complications | 1.0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| Indicator value | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 |

Licensee Comments: none

Safety System Functional Failures (PWR)



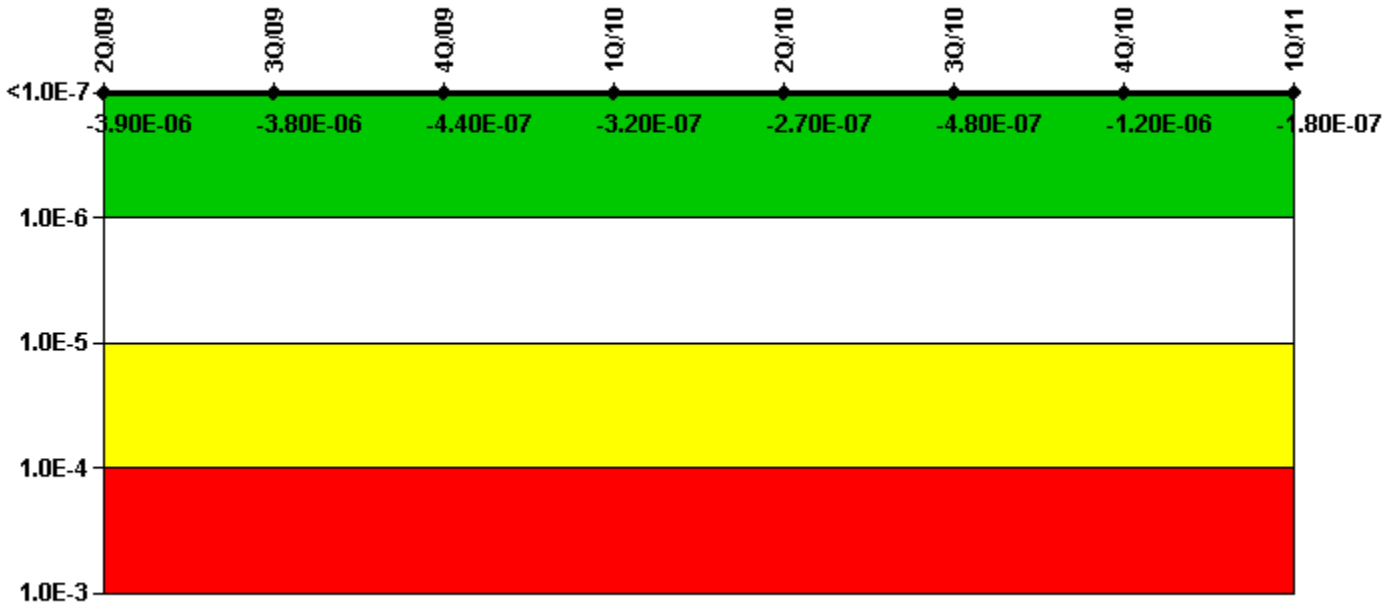
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 1 | 4 | 9 | 10 | 9 | 6 | 2 |
| Indicator value | 1 | 1 | 5 | 9 | 10 | 9 | 6 | 2 |

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

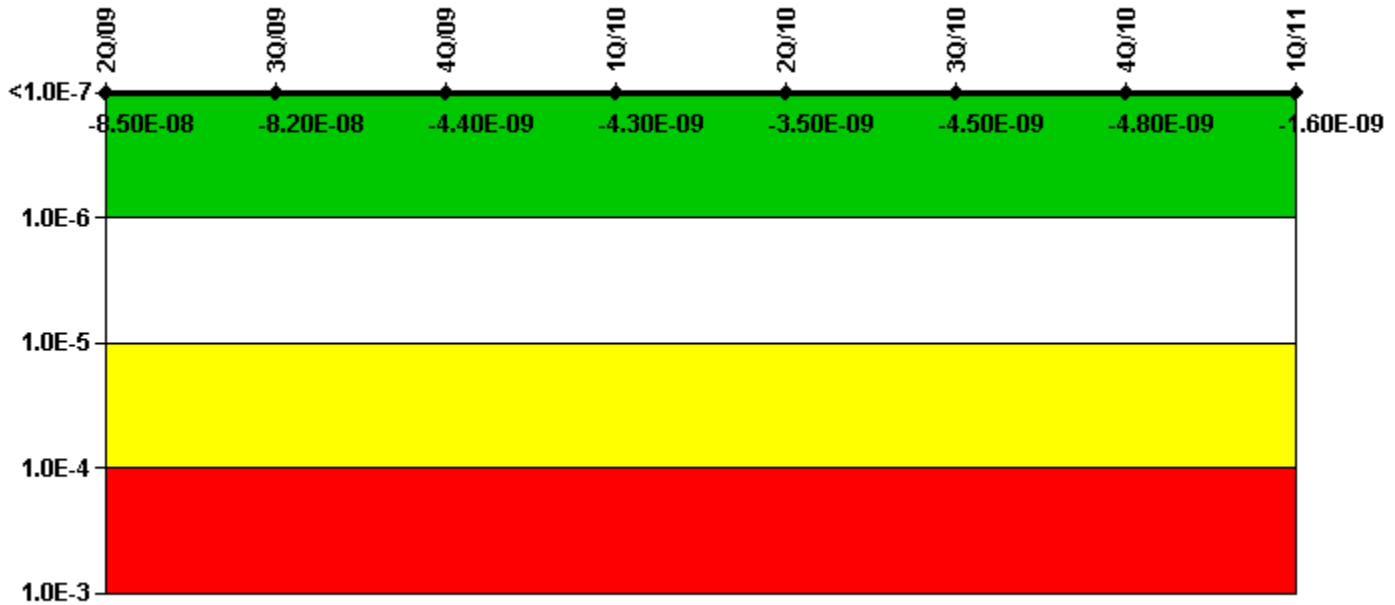
Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 2.16E-06 | 2.41E-06 | 8.18E-07 | 9.58E-07 | 1.00E-06 | 8.16E-07 | 7.29E-07 | 9.99E-07 |
| URI (Δ CDF) | -6.10E-06 | -6.21E-06 | -1.26E-06 | -1.28E-06 | -1.28E-06 | -1.30E-06 | -1.94E-06 | -1.18E-06 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -3.90E-06 | -3.80E-06 | -4.40E-07 | -3.20E-07 | -2.70E-07 | -4.80E-07 | -1.20E-06 | -1.80E-07 |

Licensee Comments:

1Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



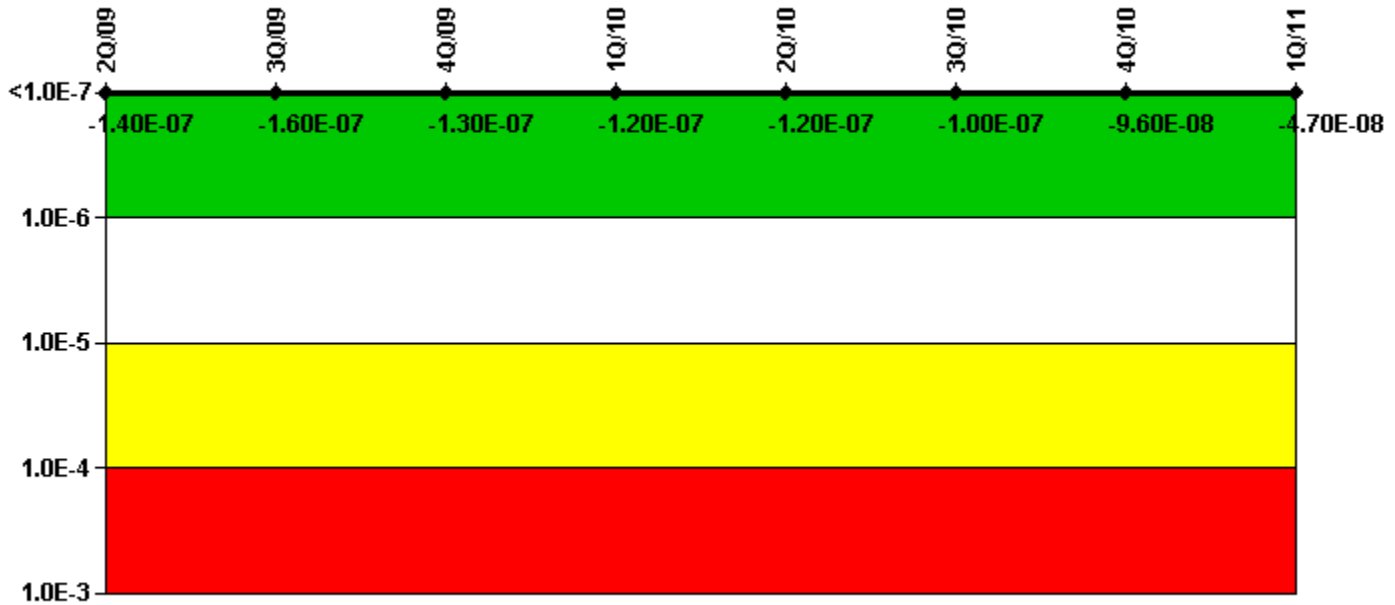
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -1.52E-09 | 1.90E-09 | -2.18E-09 | -2.13E-09 | -2.14E-09 | -2.08E-09 | -2.10E-09 | 5.10E-10 |
| URI (Δ CDF) | -8.35E-08 | -8.35E-08 | -2.21E-09 | -2.22E-09 | -1.37E-09 | -2.44E-09 | -2.74E-09 | -2.14E-09 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -8.50E-08 | -8.20E-08 | -4.40E-09 | -4.30E-09 | -3.50E-09 | -4.50E-09 | -4.80E-09 | -1.60E-09 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



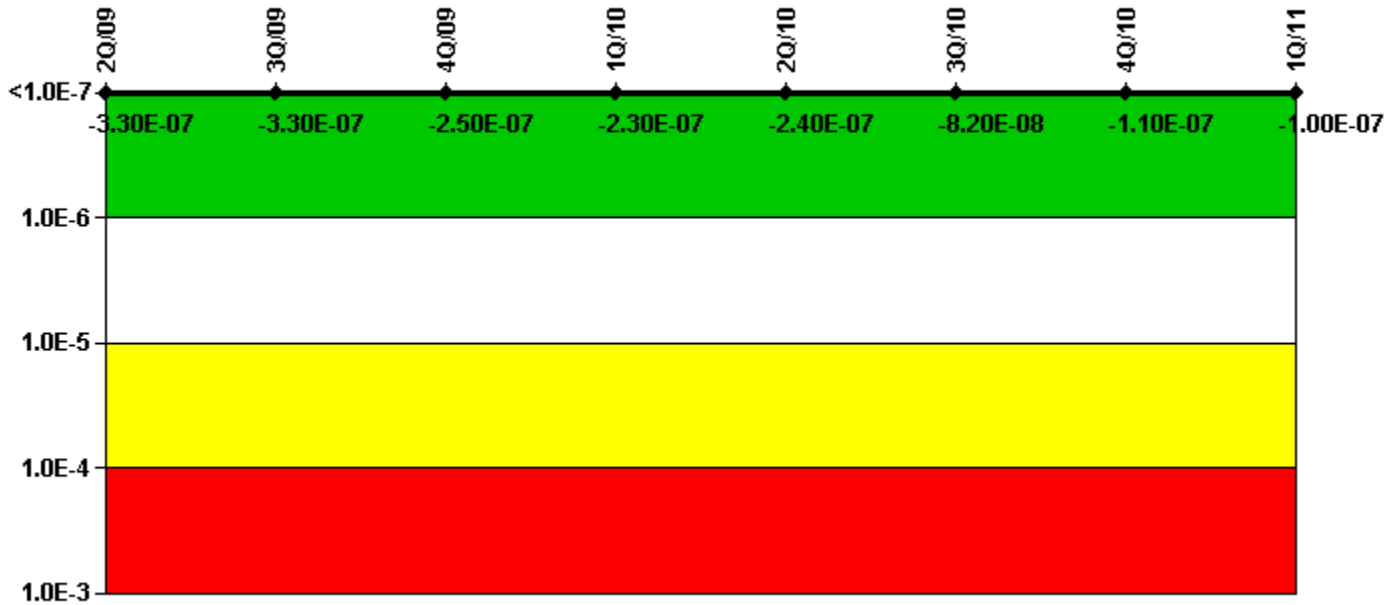
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Heat Removal System | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 9.44E-09 | -6.15E-10 | 8.61E-10 | 5.82E-09 | 9.14E-09 | 3.08E-08 | 3.67E-08 | 8.00E-08 |
| URI (Δ CDF) | -1.54E-07 | -1.61E-07 | -1.26E-07 | -1.28E-07 | -1.28E-07 | -1.30E-07 | -1.32E-07 | -1.27E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.40E-07 | -1.60E-07 | -1.30E-07 | -1.20E-07 | -1.20E-07 | -1.00E-07 | -9.60E-08 | -4.70E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



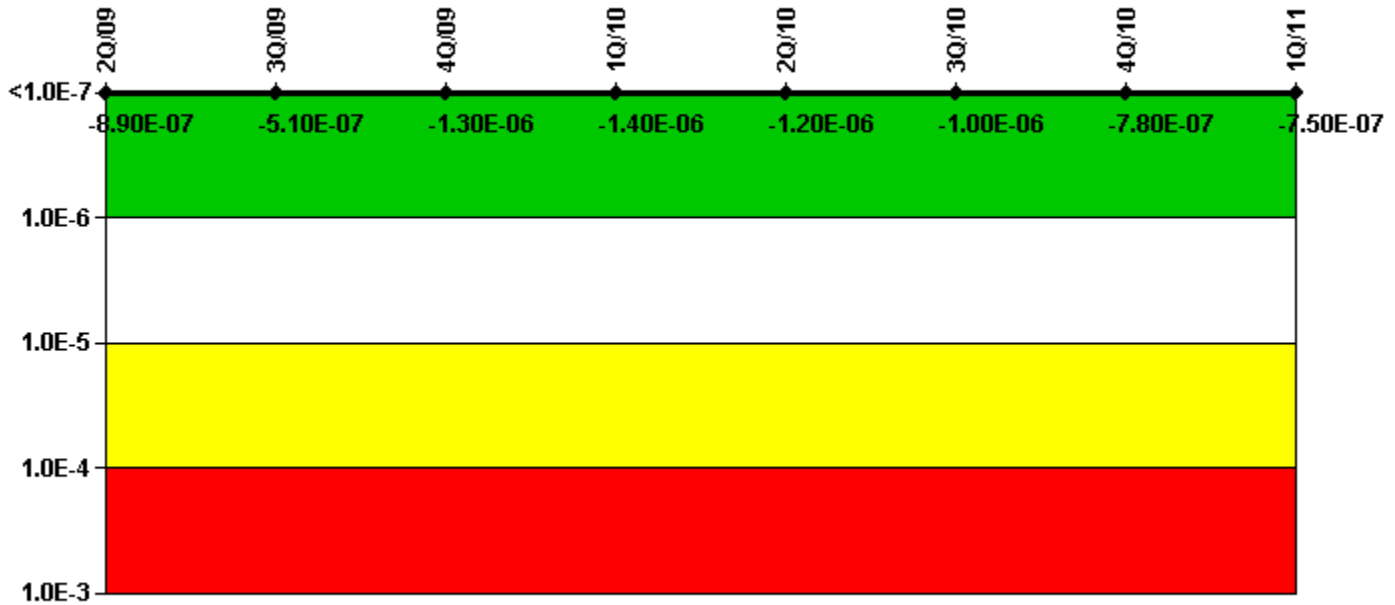
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -4.51E-08 | -3.68E-08 | -1.56E-08 | 2.29E-09 | -6.74E-09 | 1.70E-07 | 1.54E-07 | 1.62E-07 |
| URI (Δ CDF) | -2.87E-07 | -2.91E-07 | -2.30E-07 | -2.32E-07 | -2.36E-07 | -2.52E-07 | -2.64E-07 | -2.64E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -3.30E-07 | -3.30E-07 | -2.50E-07 | -2.30E-07 | -2.40E-07 | -8.20E-08 | -1.10E-07 | -1.00E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



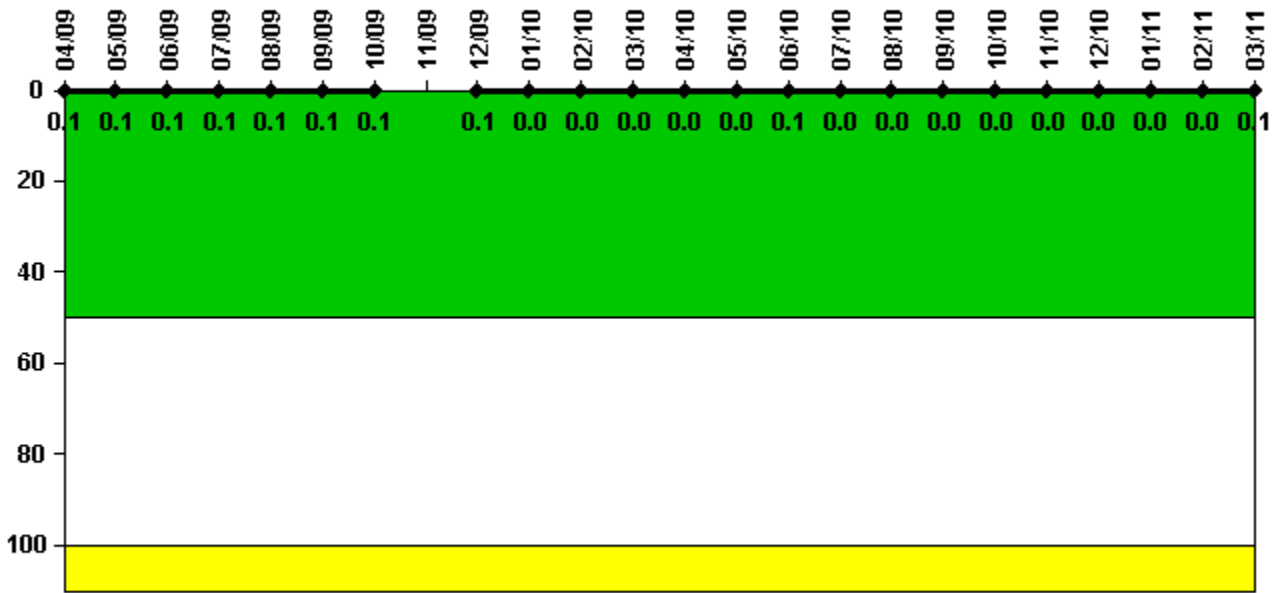
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -1.56E-07 | 2.20E-07 | 7.65E-08 | 4.71E-08 | 2.64E-07 | 4.26E-07 | 6.46E-07 | 6.79E-07 |
| URI (Δ CDF) | -7.36E-07 | -7.33E-07 | -1.42E-06 | -1.42E-06 | -1.43E-06 | -1.44E-06 | -1.43E-06 | -1.43E-06 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -8.90E-07 | -5.10E-07 | -1.30E-06 | -1.40E-06 | -1.20E-06 | -1.00E-06 | -7.80E-07 | -7.50E-07 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

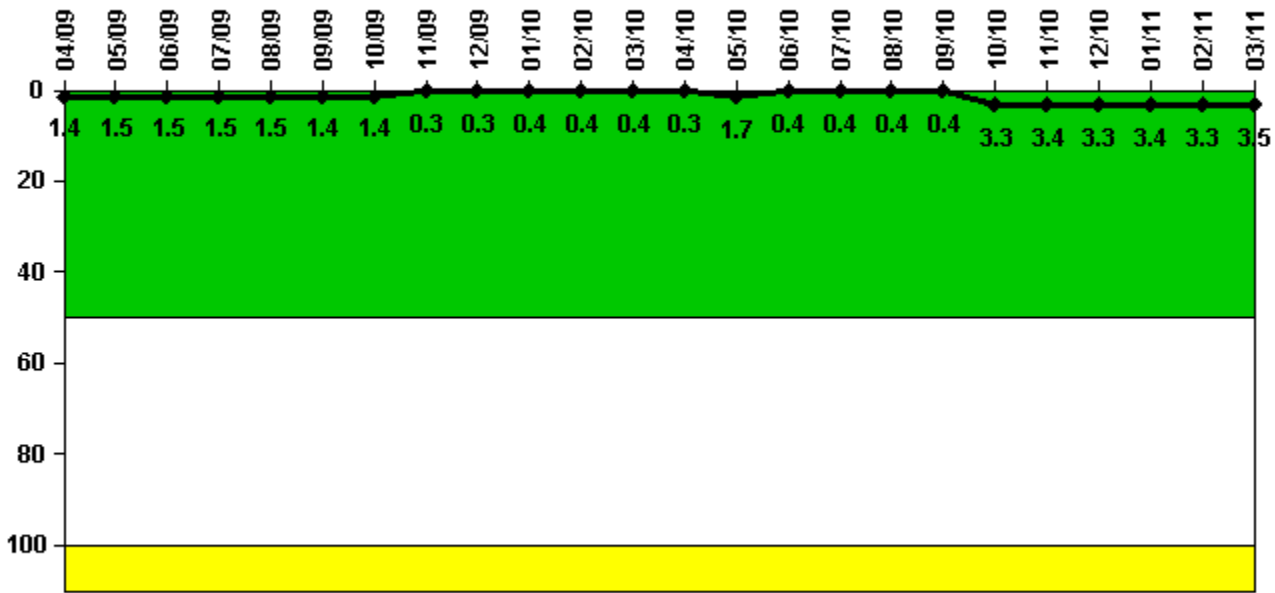
Notes

| Reactor Coolant System Activity | 4/09 | 5/09 | 6/09 | 7/09 | 8/09 | 9/09 | 10/09 | 11/09 | 12/09 | 1/10 | 2/10 | 3/10 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|-------|----------|----------|----------|----------|
| Maximum activity | 0.000500 | 0.000500 | 0.000500 | 0.000500 | 0.000600 | 0.000600 | 0.000600 | N/A | 0.000600 | 0.000300 | 0.000300 | 0.000300 |
| 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 | 0.1 | 0.1 | 0.1 | 0.1 | N/A | 0.1 | 0 | 0 | 0 |

| Reactor Coolant System Activity | 4/10 | 5/10 | 6/10 | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000300 | 0.000400 | 0.000500 | 0.000400 | 0.000400 | 0.000400 | 0.000400 | 0.000400 | 0.000400 | 0.000400 | 0.000400 | 0.000500 |
| 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 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |

Licensee Comments: none

Reactor Coolant System Leakage



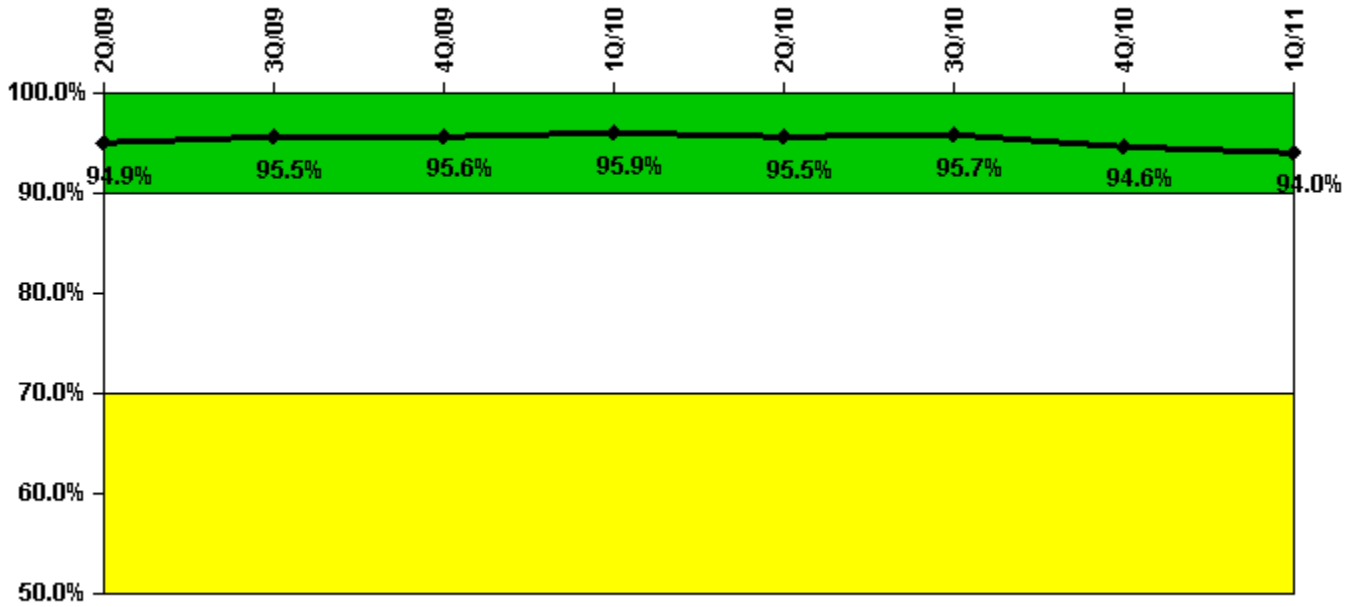
Thresholds: White > 50.0 Yellow > 100.0

Notes

| | | | | | | | | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Reactor Coolant System Leakage | 4/09 | 5/09 | 6/09 | 7/09 | 8/09 | 9/09 | 10/09 | 11/09 | 12/09 | 1/10 | 2/10 | 3/10 |
| Maximum leakage | 0.140 | 0.150 | 0.150 | 0.150 | 0.150 | 0.140 | 0.140 | 0.030 | 0.030 | 0.040 | 0.040 | 0.040 |
| 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 | 1.4 | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 | 1.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| Reactor Coolant System Leakage | 4/10 | 5/10 | 6/10 | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 |
| Maximum leakage | 0.030 | 0.170 | 0.040 | 0.040 | 0.040 | 0.040 | 0.330 | 0.340 | 0.330 | 0.340 | 0.330 | 0.350 |
| 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 | 1.7 | 0.4 | 0.4 | 0.4 | 0.4 | 3.3 | 3.4 | 3.3 | 3.4 | 3.3 | 3.5 |

Licensee Comments: none

Drill/Exercise Performance



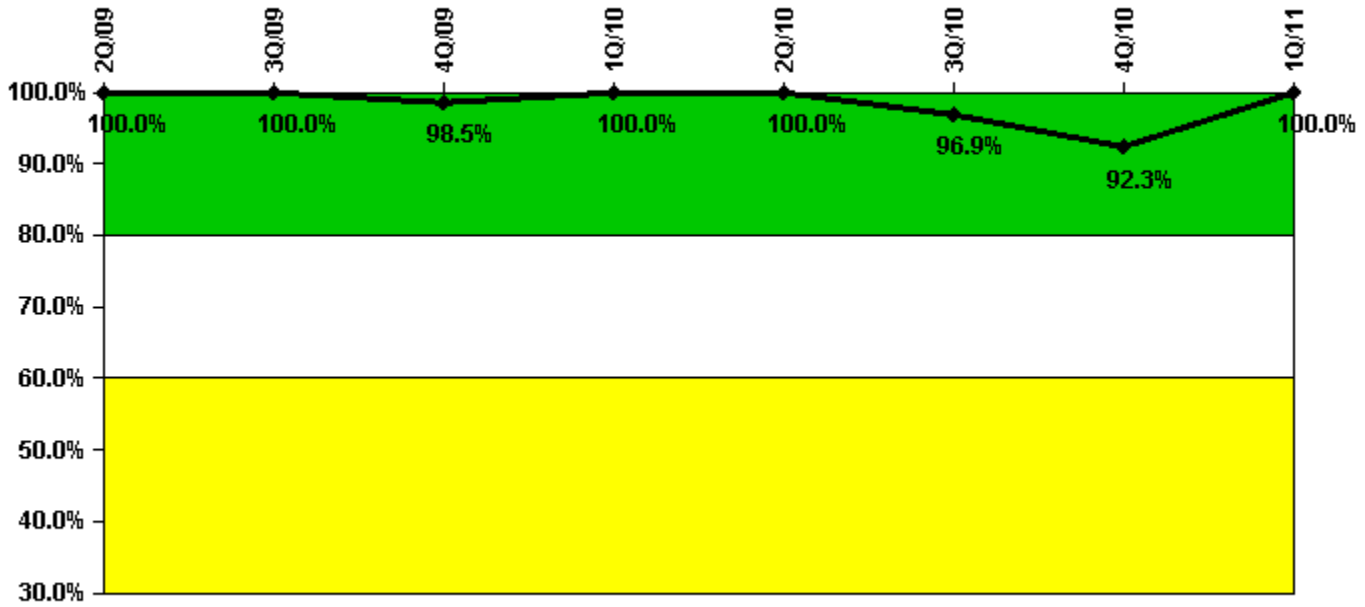
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 66.0 | 39.0 | 1.0 | 128.0 | 37.0 | 31.0 | 57.0 | 18.0 |
| Total opportunities | 69.0 | 40.0 | 2.0 | 131.0 | 41.0 | 36.0 | 62.0 | 20.0 |
| | | | | | | | | |
| Indicator value | 94.9% | 95.5% | 95.6% | 95.9% | 95.5% | 95.7% | 94.6% | 94.0% |

Licensee Comments: none

ERO Drill Participation



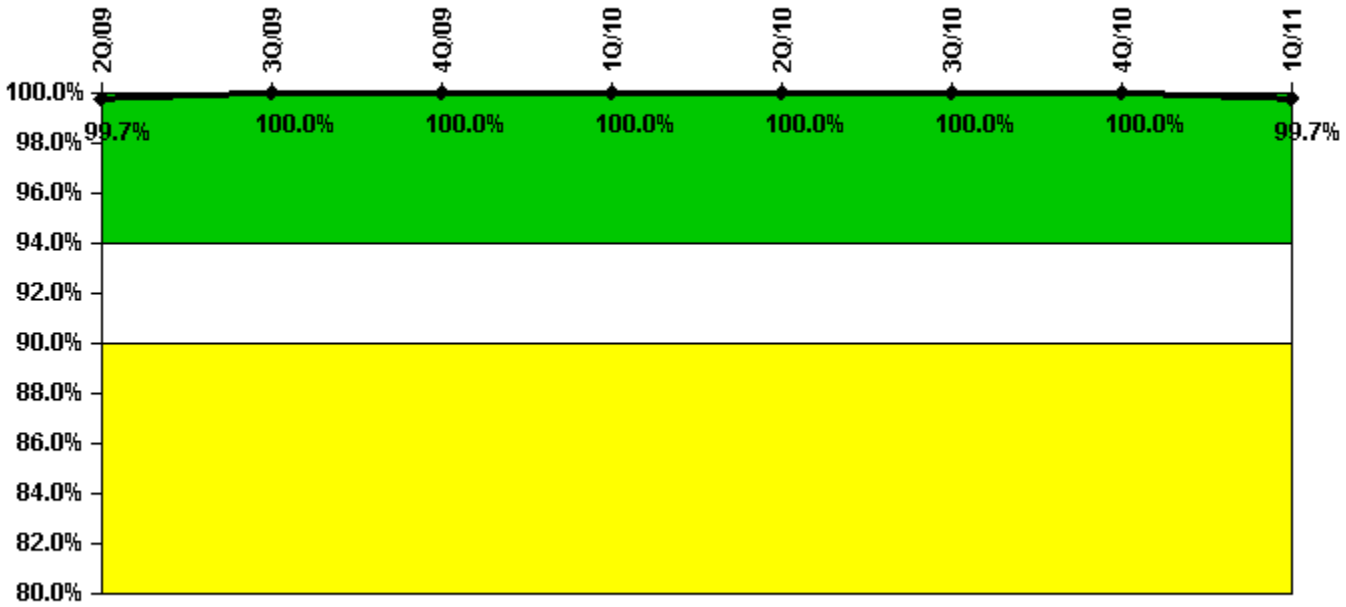
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|-----------------------------|--------|--------|-------|--------|--------|-------|-------|--------|
| Participating Key personnel | 65.0 | 65.0 | 64.0 | 69.0 | 66.0 | 63.0 | 60.0 | 66.0 |
| Total Key personnel | 65.0 | 65.0 | 65.0 | 69.0 | 66.0 | 65.0 | 65.0 | 66.0 |
| Indicator value | 100.0% | 100.0% | 98.5% | 100.0% | 100.0% | 96.9% | 92.3% | 100.0% |

Licensee Comments: none

Alert & Notification System



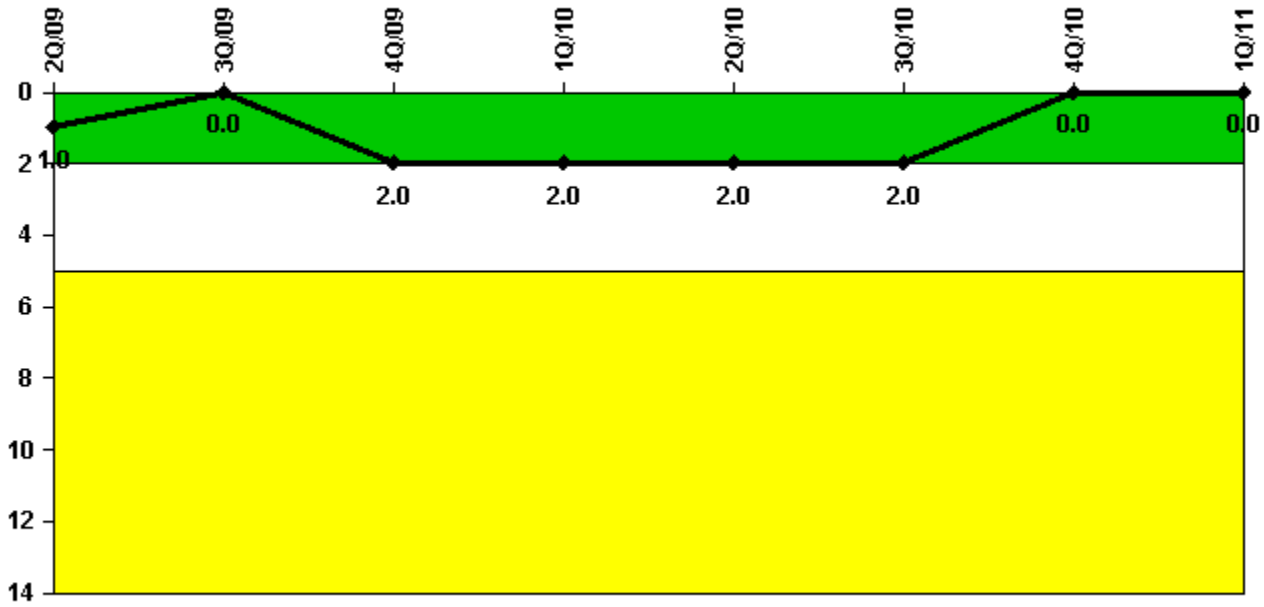
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|-----------------------------|-------|--------|--------|--------|--------|--------|--------|-------|
| Successful siren-tests | 77 | 66 | 77 | 77 | 77 | 66 | 77 | 76 |
| Total sirens-tests | 77 | 66 | 77 | 77 | 77 | 66 | 77 | 77 |
| | | | | | | | | |
| Indicator value | 99.7% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 99.7% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



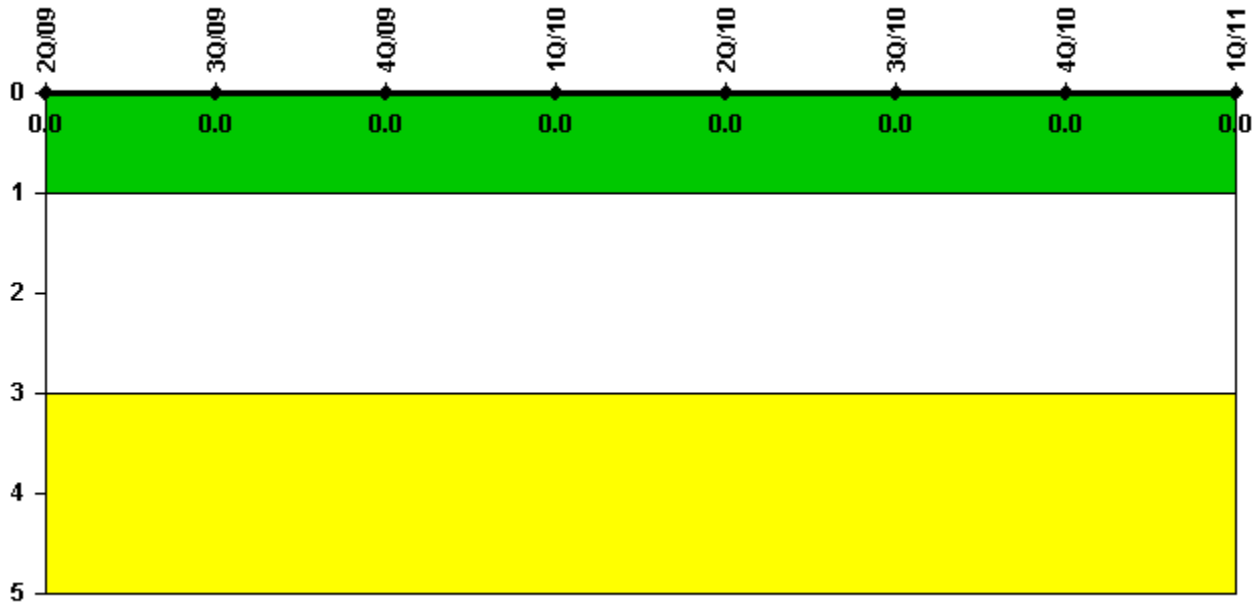
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences | 0 | 0 | 2 | 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 | 1 | 0 | 2 | 2 | 2 | 2 | 0 | 0 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/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.