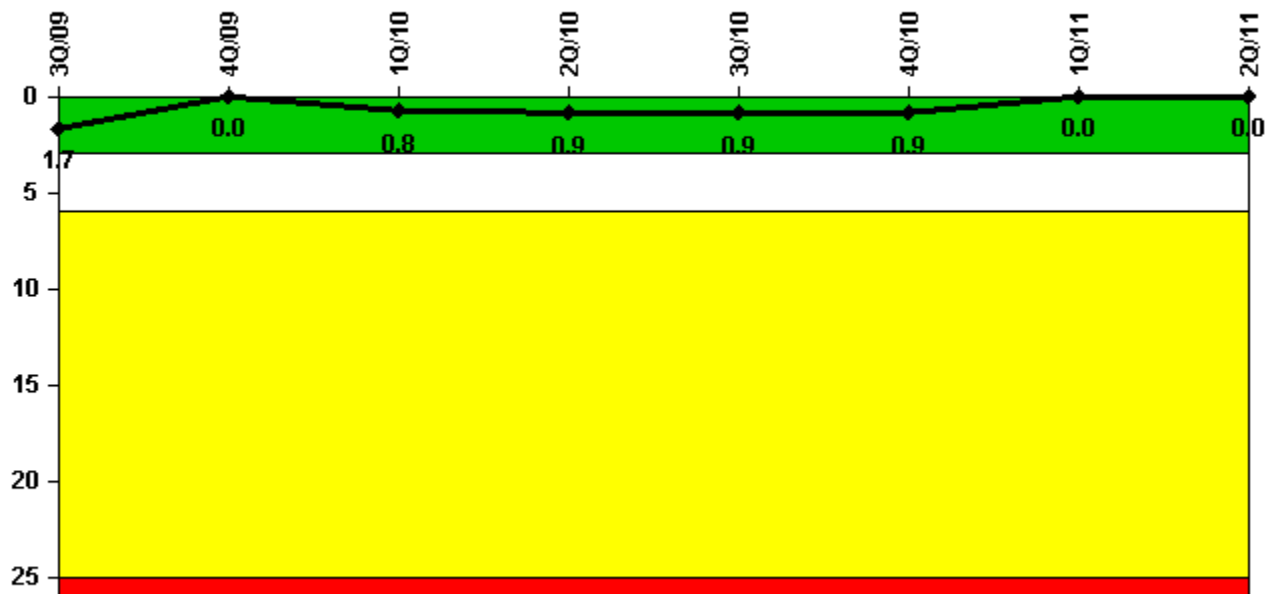


Grand Gulf 1

2Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



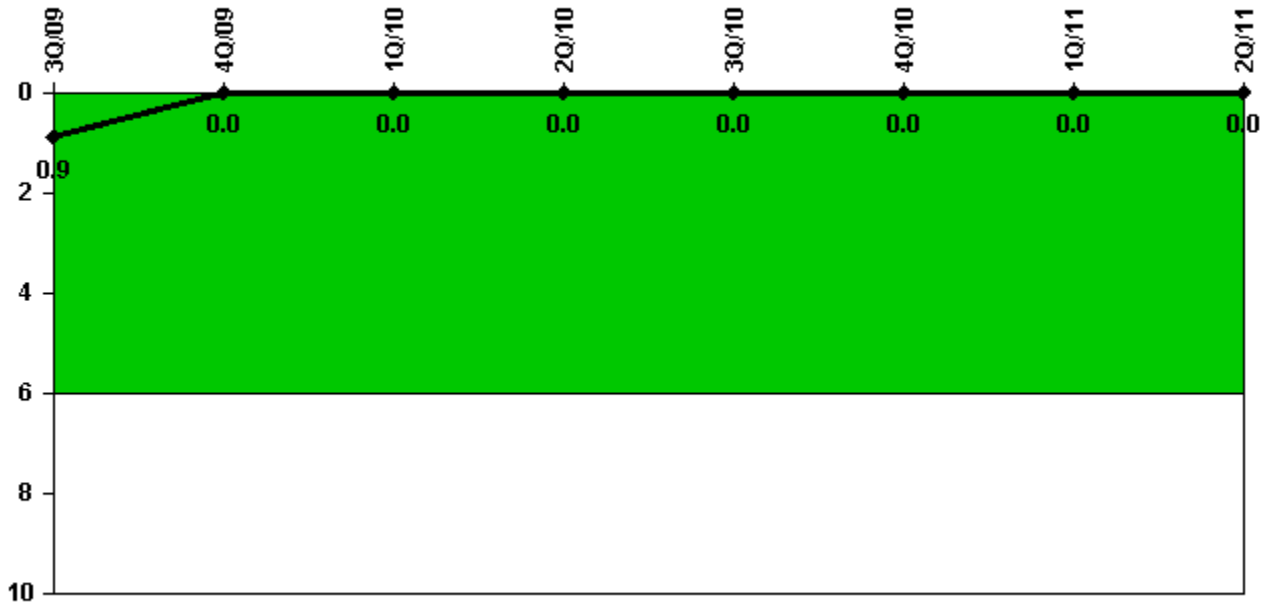
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 2094.0 | 1506.9 | 2208.0 | 2209.0 | 2159.0 | 2184.0 |
| Indicator value | 1.7 | 0 | 0.8 | 0.9 | 0.9 | 0.9 | 0 | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



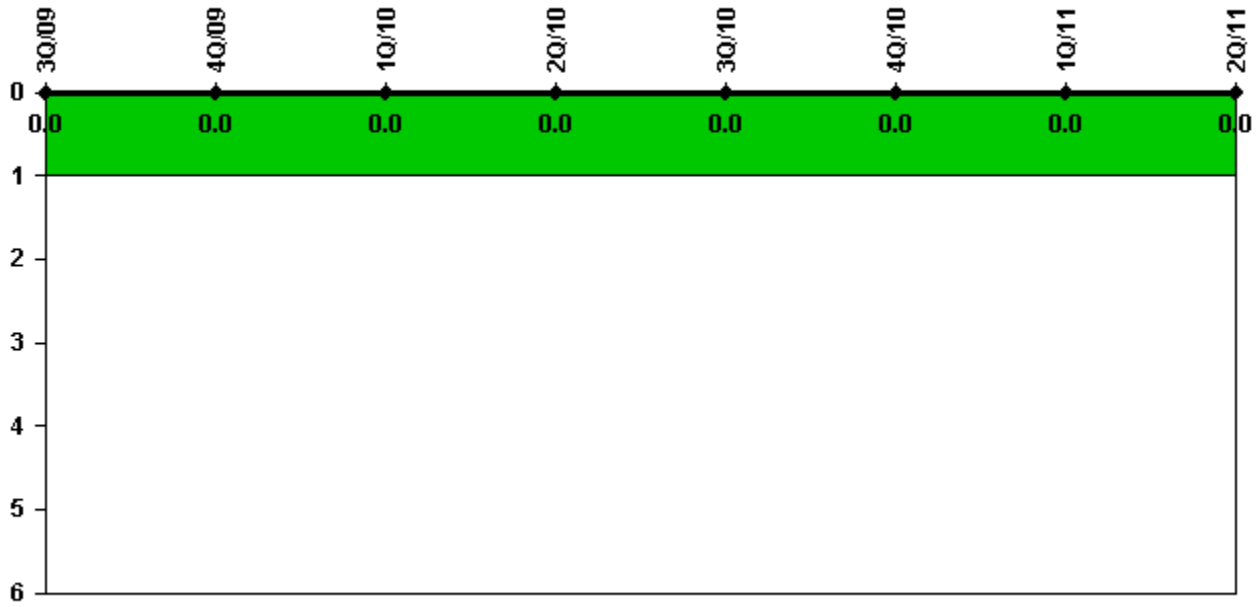
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 2094.0 | 1506.9 | 2208.0 | 2209.0 | 2159.0 | 2184.0 |
| Indicator value | 0.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Scrams with Complications



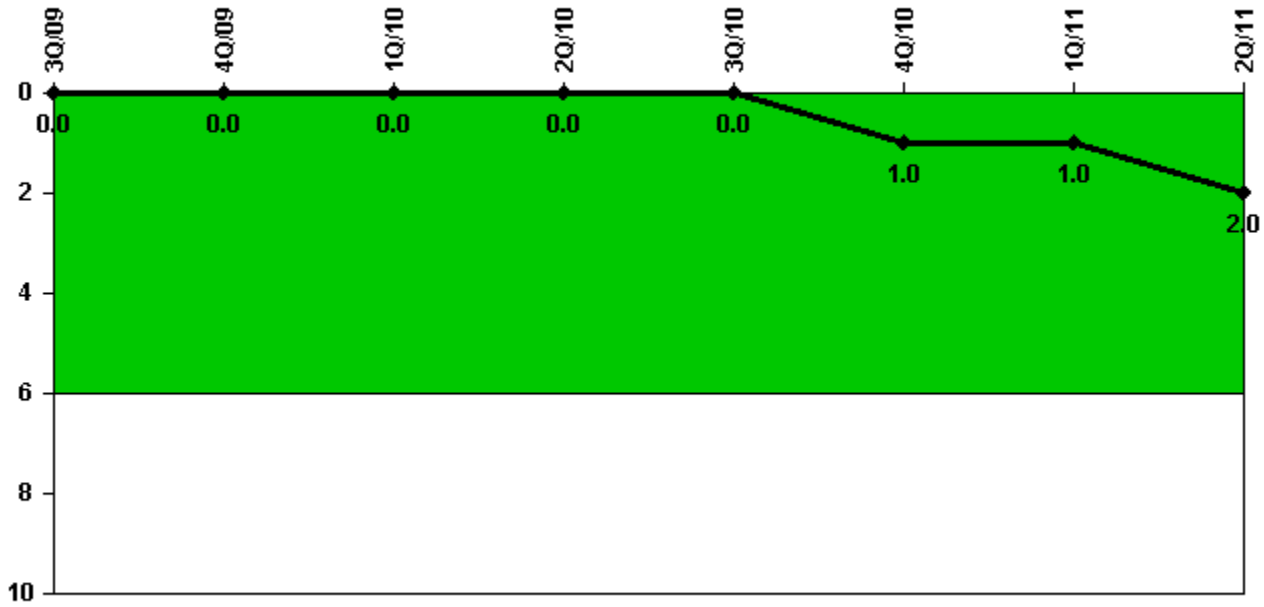
Thresholds: White > 1.0

Notes

| Unplanned Scrams with Complications | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 (BWR)



Thresholds: White > 6.0

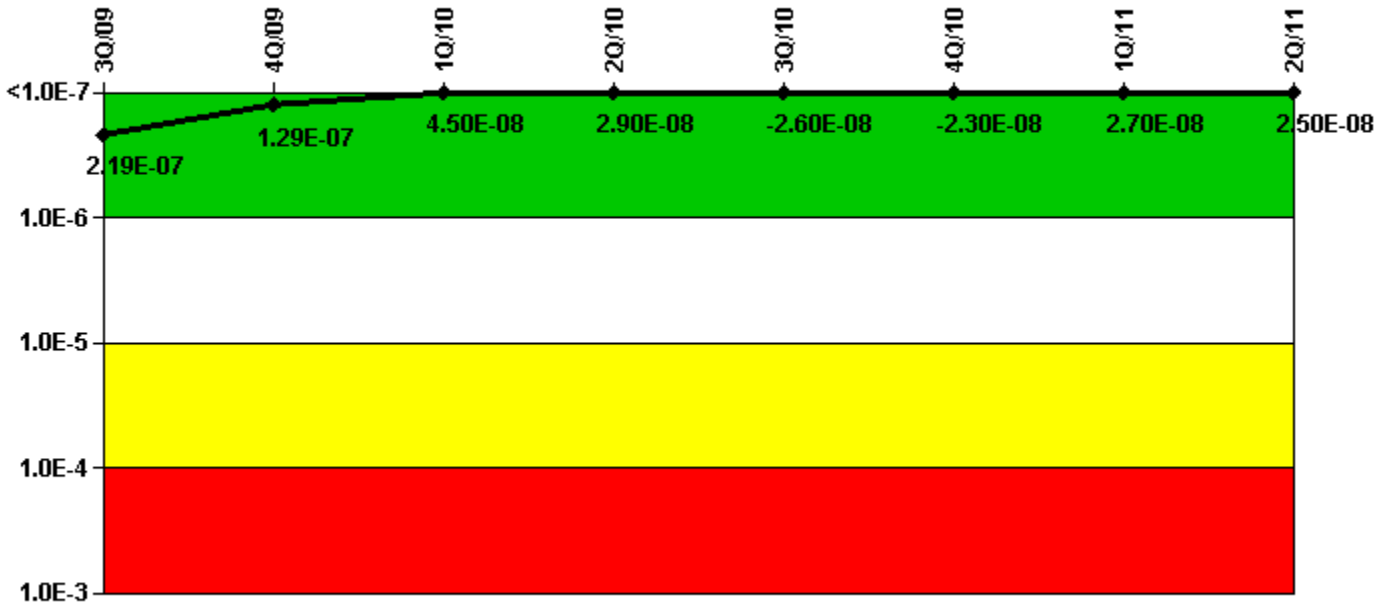
Notes

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

Licensee Comments:

2Q/11: Reference: GGNS LER 2011-001

Mitigating Systems Performance Index, Emergency AC Power System



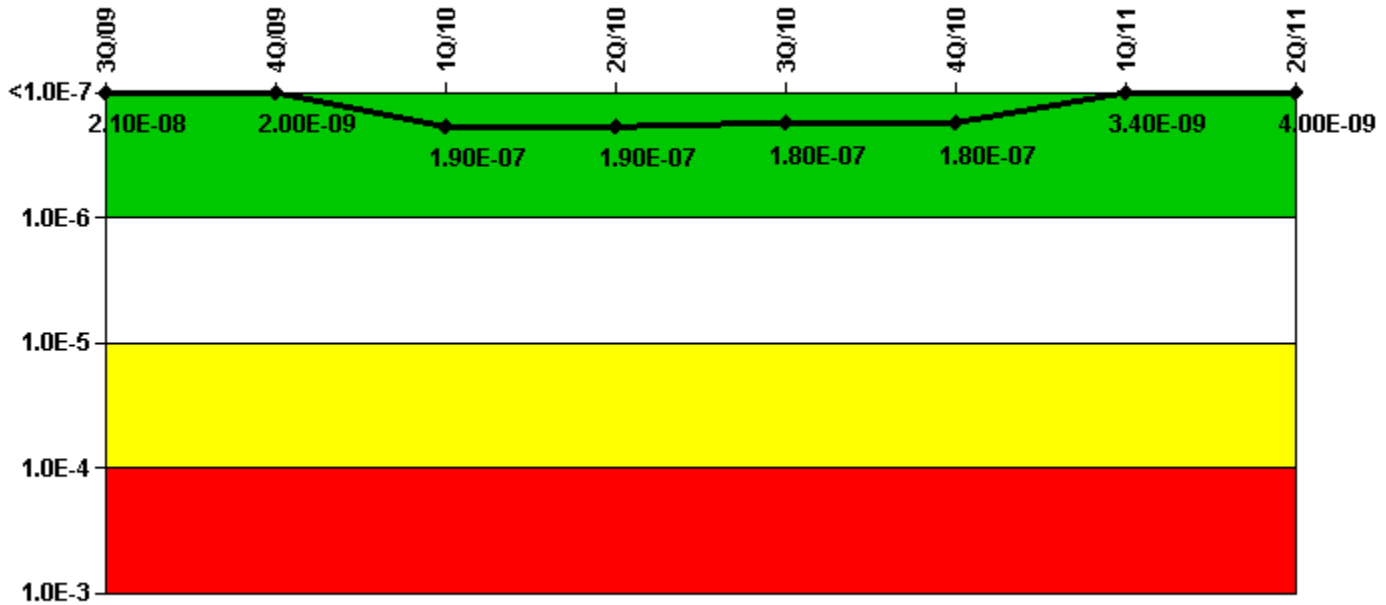
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|----------|----------|----------|----------|-----------|-----------|----------|----------|
| UAI (Δ CDF) | 1.90E-08 | 1.90E-08 | 1.36E-08 | 5.46E-10 | -4.41E-09 | -4.44E-09 | 5.68E-09 | 5.64E-09 |
| URI (Δ CDF) | 2.00E-07 | 1.10E-07 | 3.13E-08 | 2.85E-08 | -2.20E-08 | -1.87E-08 | 2.17E-08 | 1.97E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 2.19E-07 | 1.29E-07 | 4.50E-08 | 2.90E-08 | -2.60E-08 | -2.30E-08 | 2.70E-08 | 2.50E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



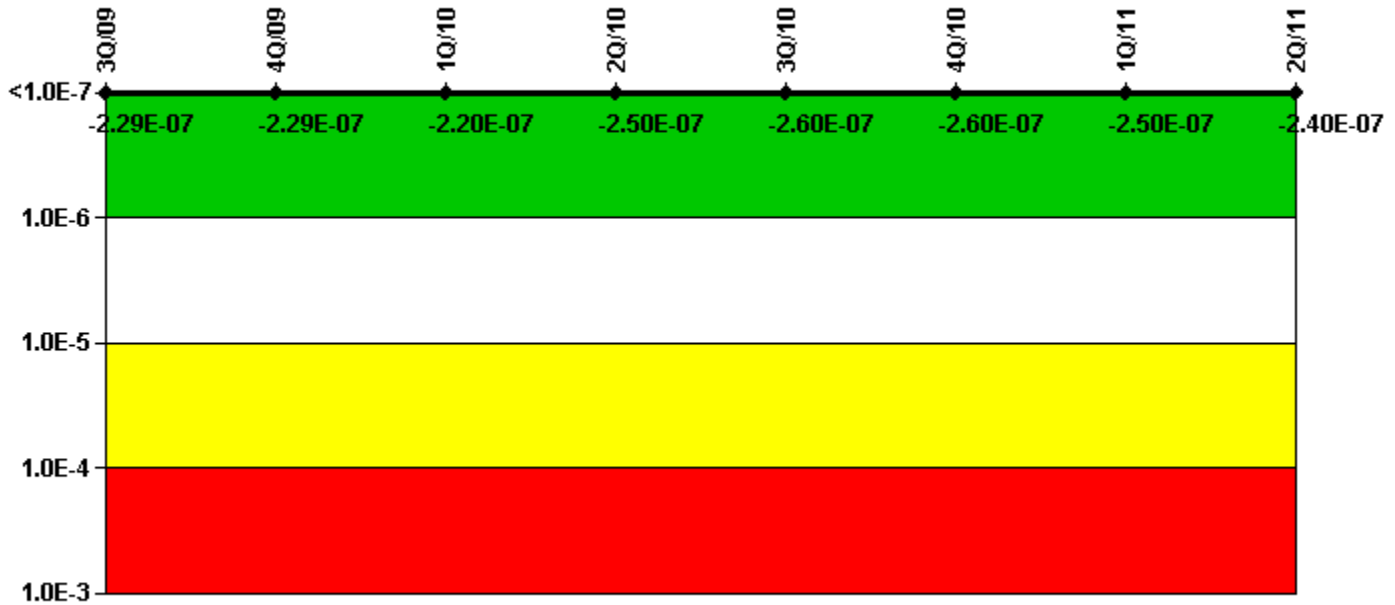
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF) | 6.70E-08 | 5.20E-08 | 2.47E-07 | 2.40E-07 | 2.30E-07 | 2.30E-07 | 1.89E-08 | 1.46E-08 |
| URI (ΔCDF) | -4.60E-08 | -5.00E-08 | -5.67E-08 | -5.33E-08 | -5.34E-08 | -5.36E-08 | -1.55E-08 | -1.06E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 2.10E-08 | 2.00E-09 | 1.90E-07 | 1.90E-07 | 1.80E-07 | 1.80E-07 | 3.40E-09 | 4.00E-09 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



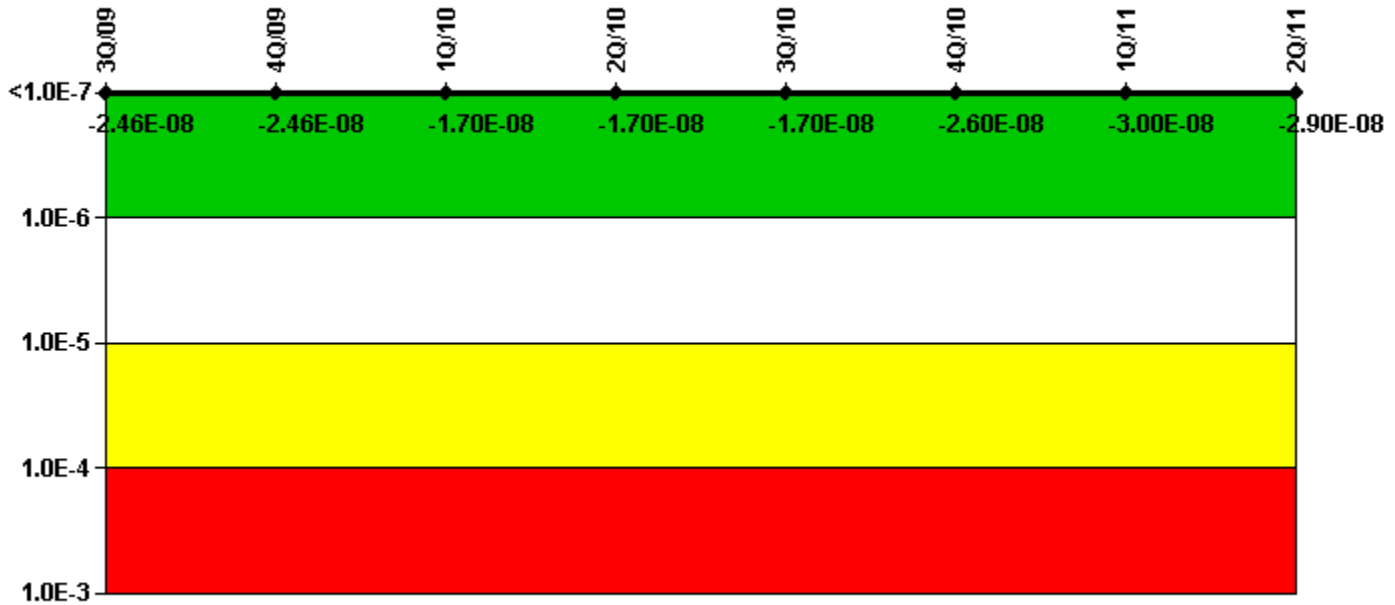
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Heat Removal System | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -1.90E-08 | -1.90E-08 | -1.99E-08 | -5.30E-08 | -5.31E-08 | -5.31E-08 | -5.32E-08 | -5.32E-08 |
| URI (Δ CDF) | -2.10E-07 | -2.10E-07 | -2.00E-07 | -2.01E-07 | -2.07E-07 | -2.03E-07 | -2.00E-07 | -1.92E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -2.29E-07 | -2.29E-07 | -2.20E-07 | -2.50E-07 | -2.60E-07 | -2.60E-07 | -2.50E-07 | -2.40E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



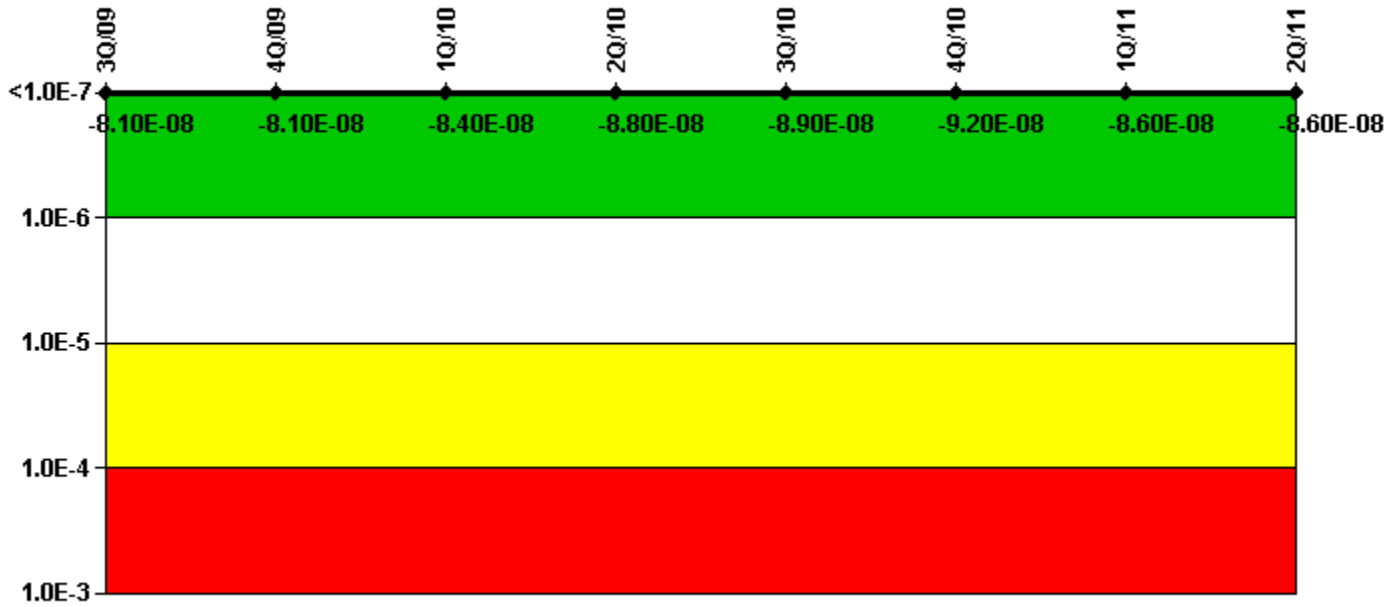
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -1.60E-09 | -1.60E-09 | 4.20E-09 | 4.99E-09 | 4.54E-09 | -4.65E-09 | -8.56E-09 | -8.56E-09 |
| URI (Δ CDF) | -2.30E-08 | -2.30E-08 | -2.14E-08 | -2.21E-08 | -2.17E-08 | -2.12E-08 | -2.11E-08 | -2.08E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -2.46E-08 | -2.46E-08 | -1.70E-08 | -1.70E-08 | -1.70E-08 | -2.60E-08 | -3.00E-08 | -2.90E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



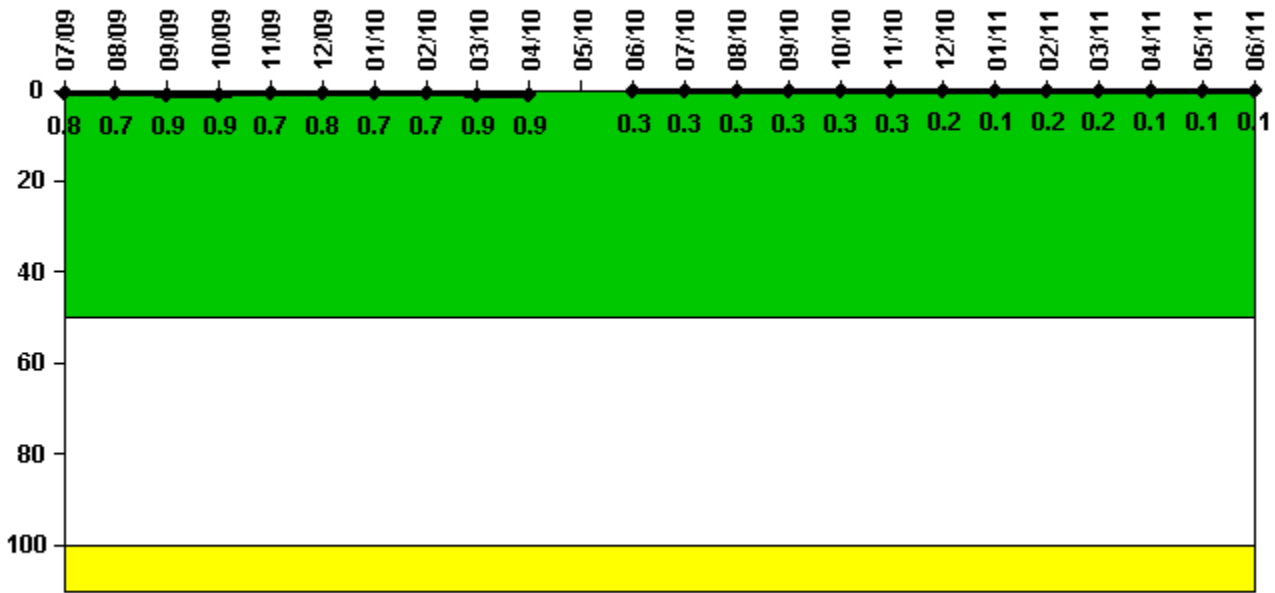
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 1.00E-08 | 1.00E-08 | 5.65E-09 | 2.33E-09 | 1.93E-09 | -1.71E-09 | 5.19E-09 | 5.19E-09 |
| URI (Δ CDF) | -9.10E-08 | -9.10E-08 | -8.99E-08 | -9.06E-08 | -9.05E-08 | -9.05E-08 | -9.12E-08 | -9.10E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -8.10E-08 | -8.10E-08 | -8.40E-08 | -8.80E-08 | -8.90E-08 | -9.20E-08 | -8.60E-08 | -8.60E-08 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

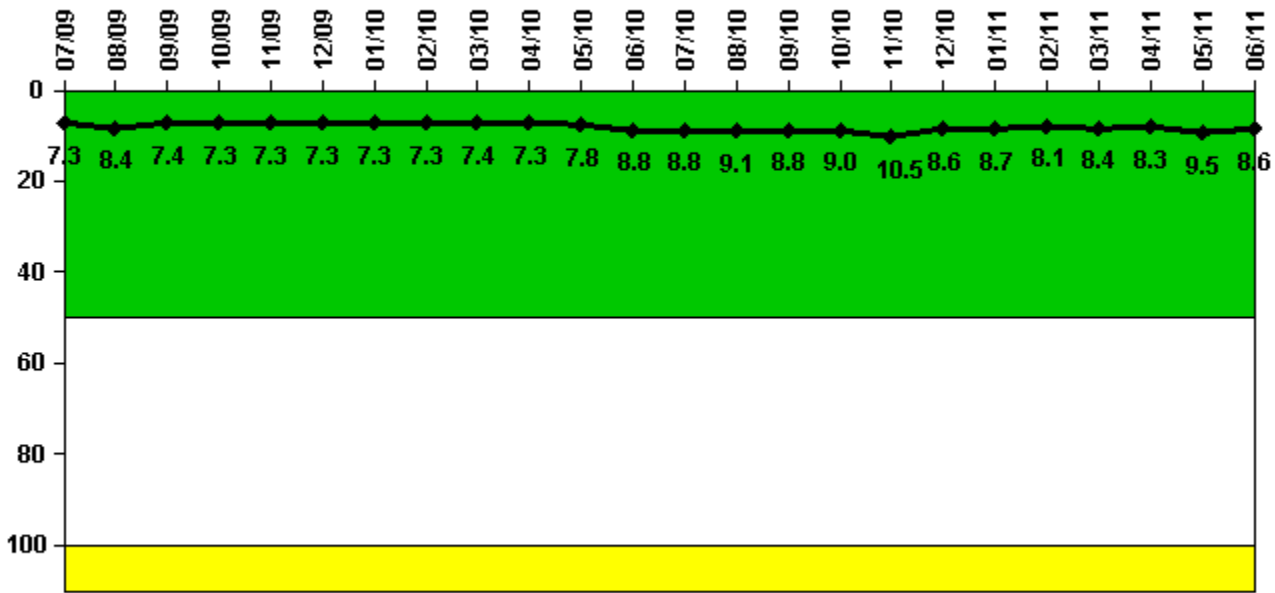
Notes

| 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 | 0.001580 | 0.001400 | 0.001700 | 0.001740 | 0.001450 | 0.001600 | 0.001440 | 0.001440 | 0.001710 | 0.001850 | N/A | 0.000524 |
| Technical specification limit | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Indicator value | 0.8 | 0.7 | 0.9 | 0.9 | 0.7 | 0.8 | 0.7 | 0.7 | 0.9 | 0.9 | N/A | 0.3 |

| Reactor Coolant System Activity | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 | 4/11 | 5/11 | 6/11 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000565 | 0.000572 | 0.000555 | 0.000548 | 0.000532 | 0.000336 | 0.000290 | 0.000330 | 0.000328 | 0.000262 | 0.000247 | 0.000257 |
| Technical specification limit | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Indicator value | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |

Licensee Comments: none

Reactor Coolant System Leakage



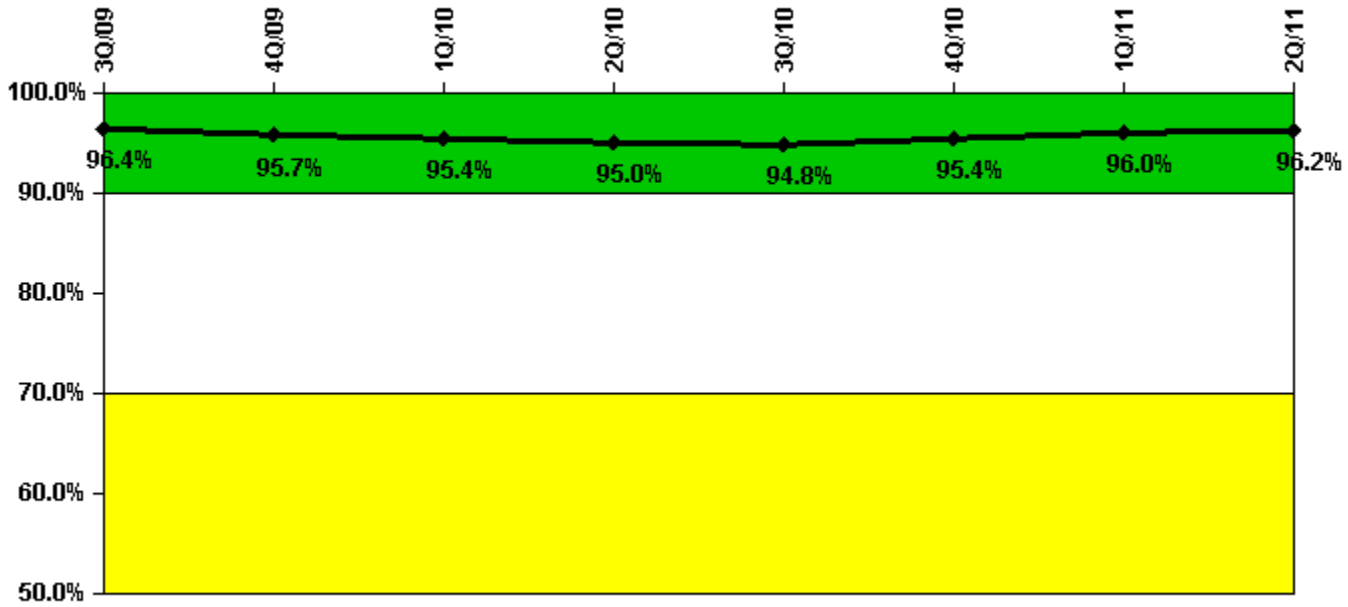
Thresholds: White > 50.0 Yellow > 100.0

Notes

| | | | | | | | | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Reactor Coolant System Leakage | 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 | 2.200 | 2.520 | 2.210 | 2.180 | 2.190 | 2.200 | 2.190 | 2.180 | 2.210 | 2.190 | 2.340 | 2.650 |
| Technical specification limit | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| Indicator value | 7.3 | 8.4 | 7.4 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.4 | 7.3 | 7.8 | 8.8 |
| Reactor Coolant System Leakage | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 | 4/11 | 5/11 | 6/11 |
| Maximum leakage | 2.650 | 2.720 | 2.640 | 2.710 | 3.140 | 2.590 | 2.600 | 2.420 | 2.510 | 2.500 | 2.850 | 2.570 |
| Technical specification limit | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| Indicator value | 8.8 | 9.1 | 8.8 | 9.0 | 10.5 | 8.6 | 8.7 | 8.1 | 8.4 | 8.3 | 9.5 | 8.6 |

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

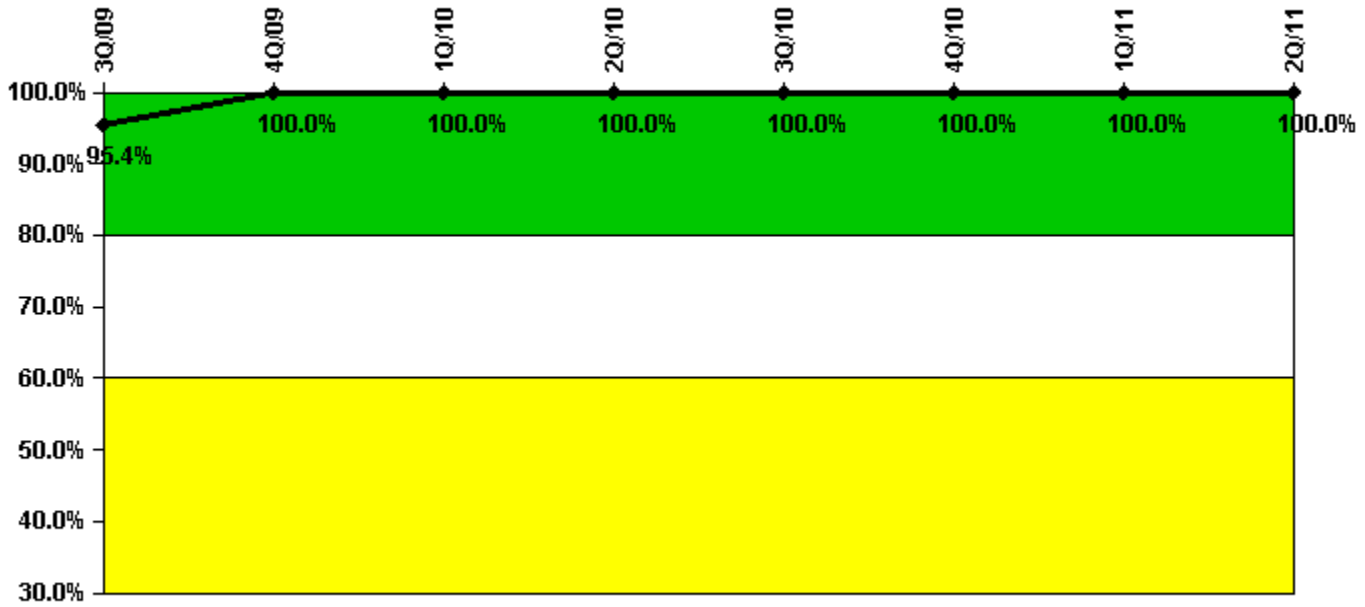
Notes

| Drill/Exercise Performance | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 32.0 | 18.0 | 10.0 | 24.0 | 41.0 | 22.0 | 28.0 | 29.0 |
| Total opportunities | 34.0 | 18.0 | 12.0 | 25.0 | 43.0 | 23.0 | 28.0 | 29.0 |
| | | | | | | | | |
| Indicator value | 96.4% | 95.7% | 95.4% | 95.0% | 94.8% | 95.4% | 96.0% | 96.2% |

Licensee Comments:

4Q/10: December DEP changed from 5 of 5 to 4 of 4 - CR-GGN-2011-04751

ERO Drill Participation



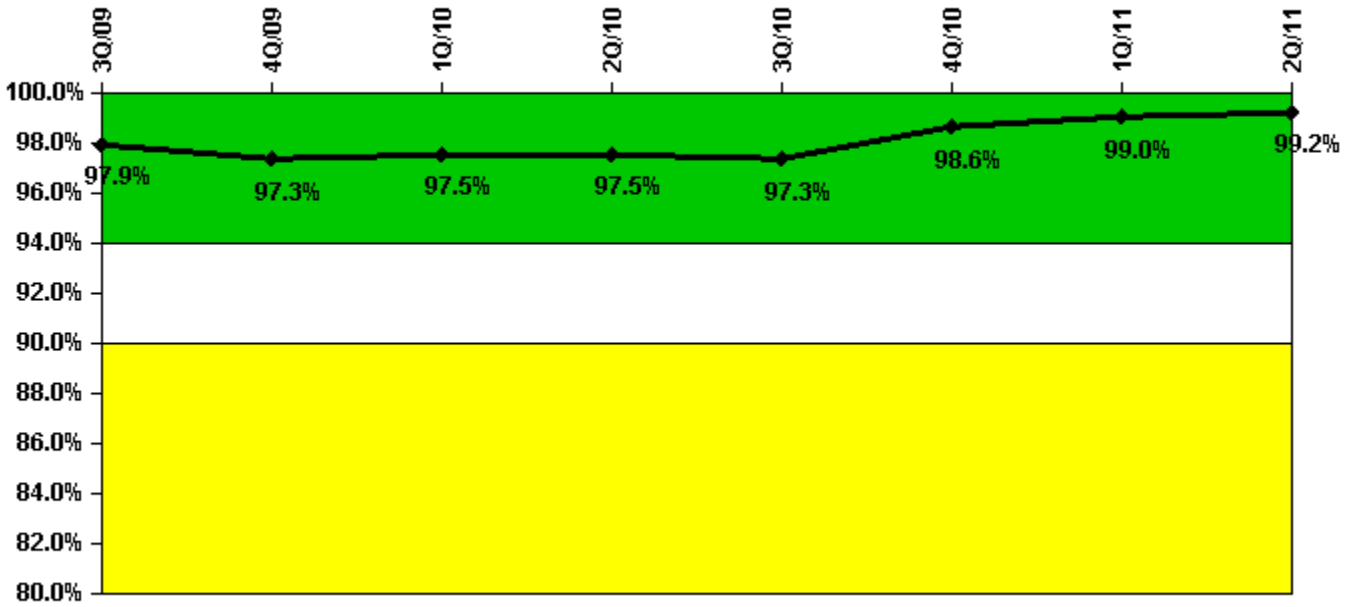
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|-----------------------------|-------|--------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 62.0 | 64.0 | 64.0 | 65.0 | 65.0 | 64.0 | 68.0 | 70.0 |
| Total Key personnel | 65.0 | 64.0 | 64.0 | 65.0 | 65.0 | 64.0 | 68.0 | 70.0 |
| | | | | | | | | |
| Indicator value | 95.4% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

Alert & Notification System



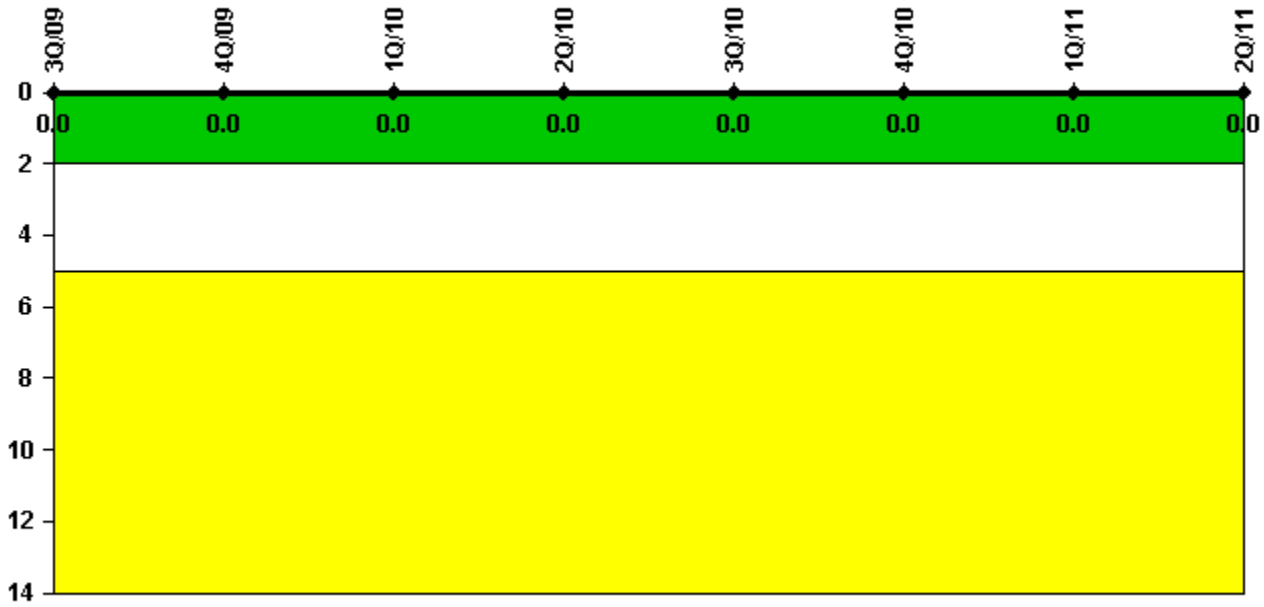
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 127 | 122 | 127 | 126 | 126 | 129 | 129 | 121 |
| Total sirens-tests | 129 | 129 | 129 | 128 | 129 | 129 | 129 | 122 |
| | | | | | | | | |
| Indicator value | 97.9% | 97.3% | 97.5% | 97.5% | 97.3% | 98.6% | 99.0% | 99.2% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



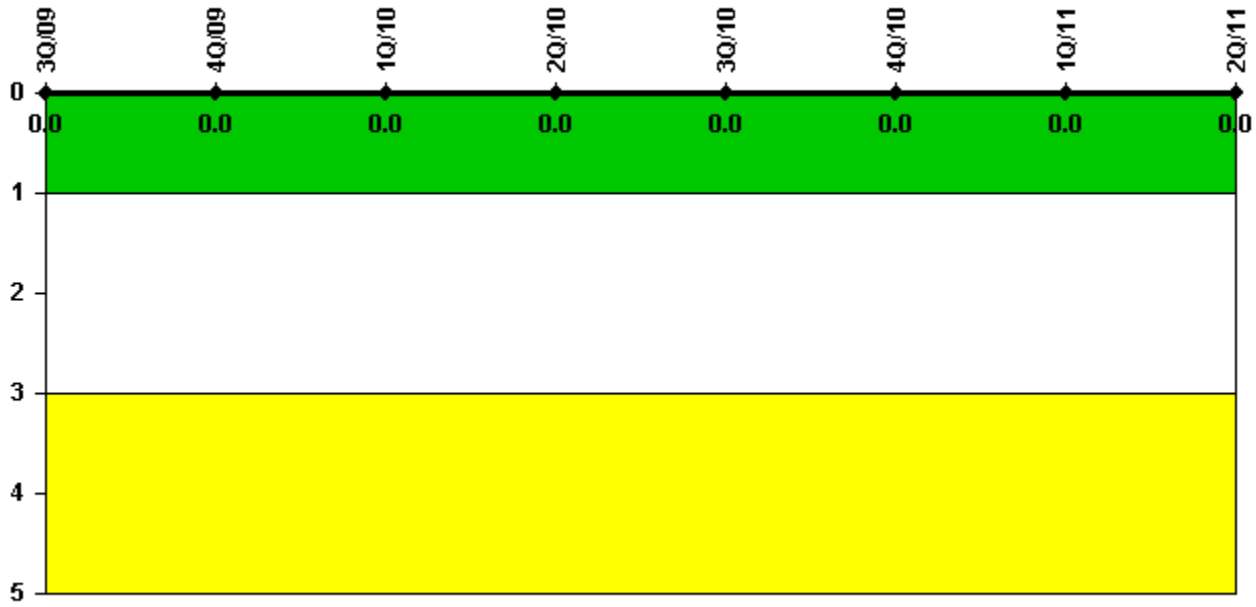
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/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 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/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.