

D.C. Cook 1

2Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



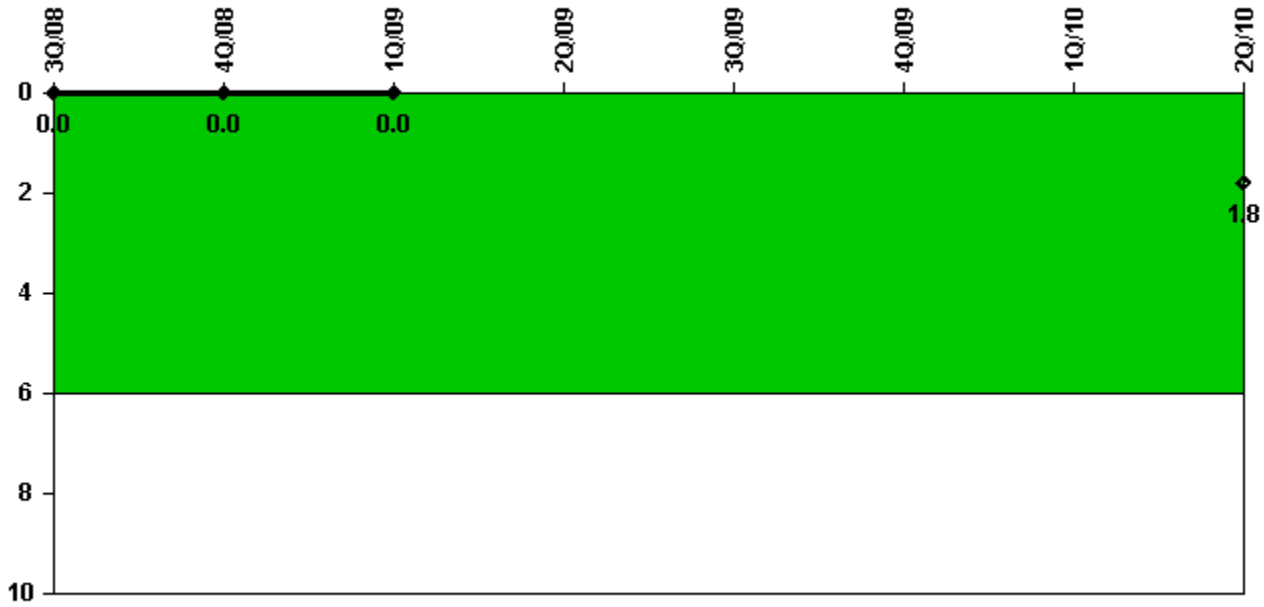
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1964.1 | 0 | 0 | 0 | 0 | 335.1 | 1464.0 | 1988.1 |
| Indicator value | 1.8 | 2.6 | 2.0 | N/A | N/A | N/A | N/A | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



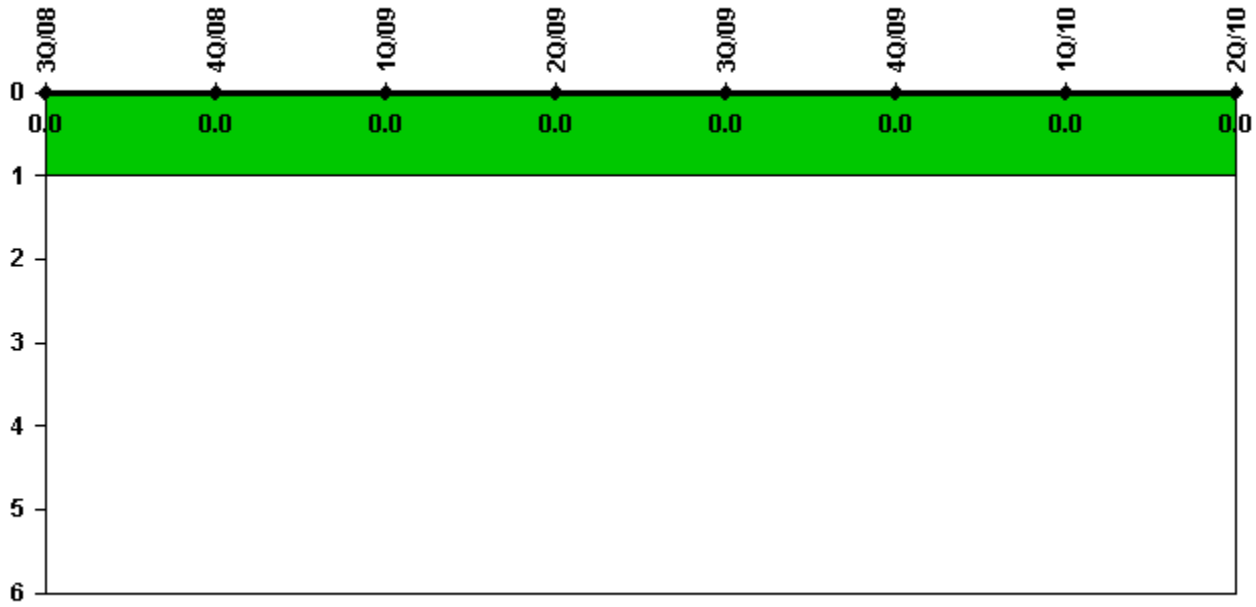
Thresholds: White > 6.0

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 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 1964.1 | 0 | 0 | 0 | 0 | 335.1 | 1464.0 | 1988.1 |
| Indicator value | 0 | 0 | 0 | N/A | N/A | N/A | N/A | 1.8 |

Licensee Comments: none

Unplanned Scrams with Complications



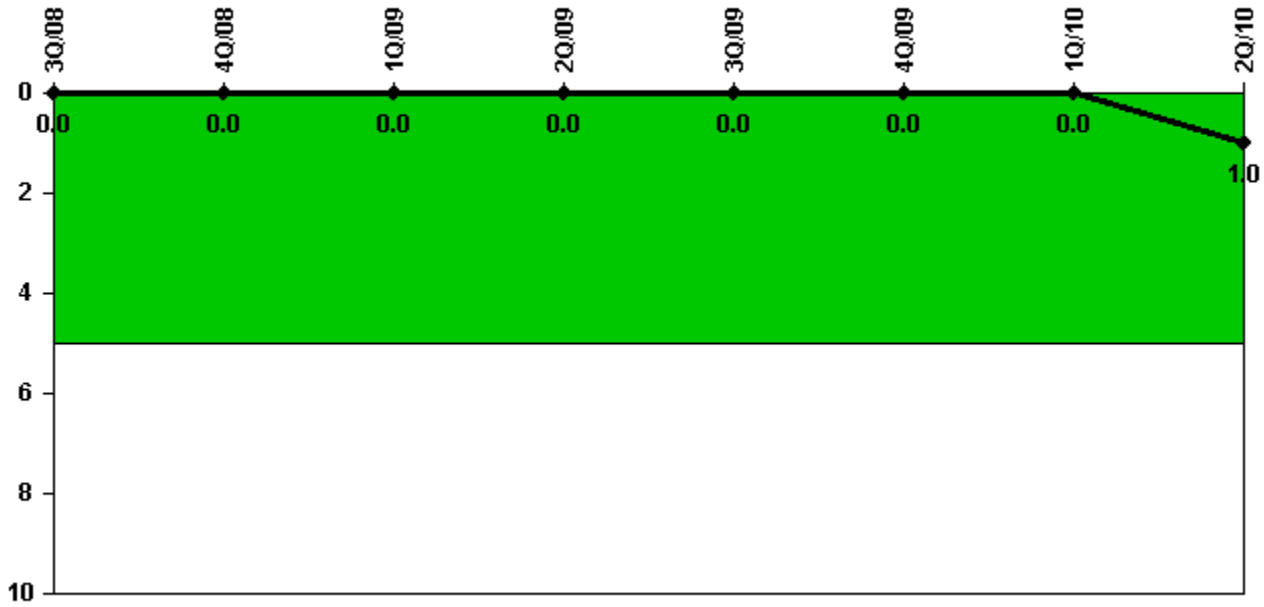
Thresholds: White > 1.0

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

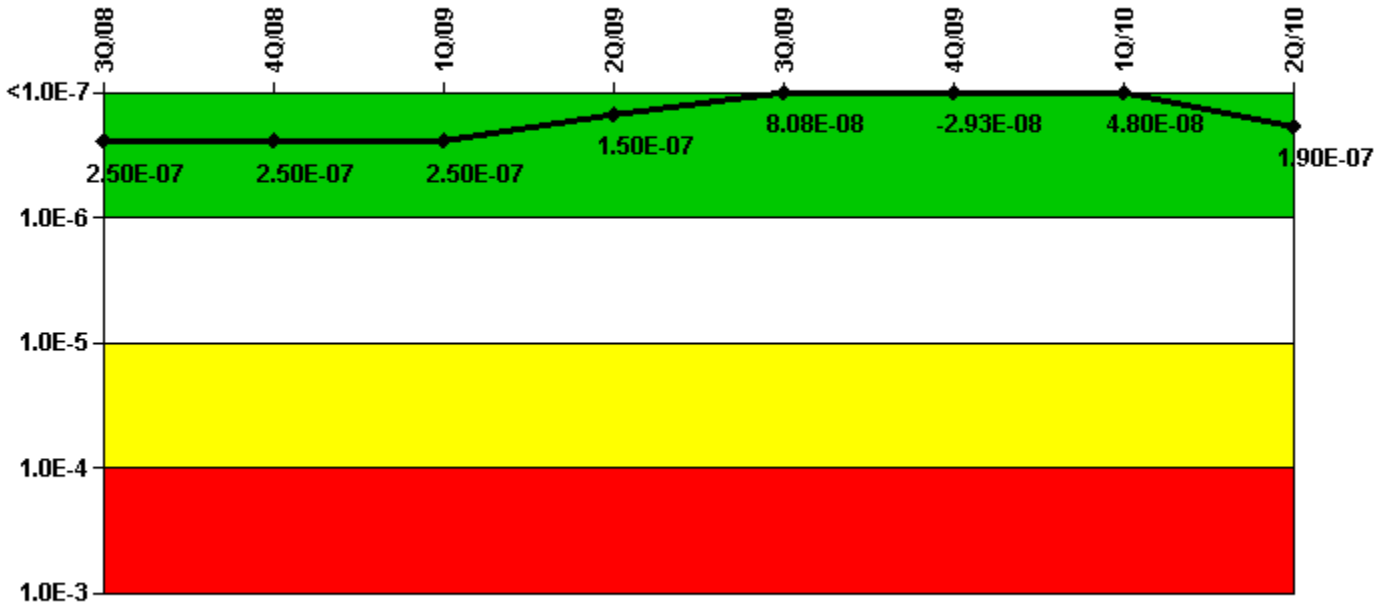
Notes

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

Licensee Comments:

2Q/10: One SSFF Reported in June: LER 05000315 2010-001-00

Mitigating Systems Performance Index, Emergency AC Power System



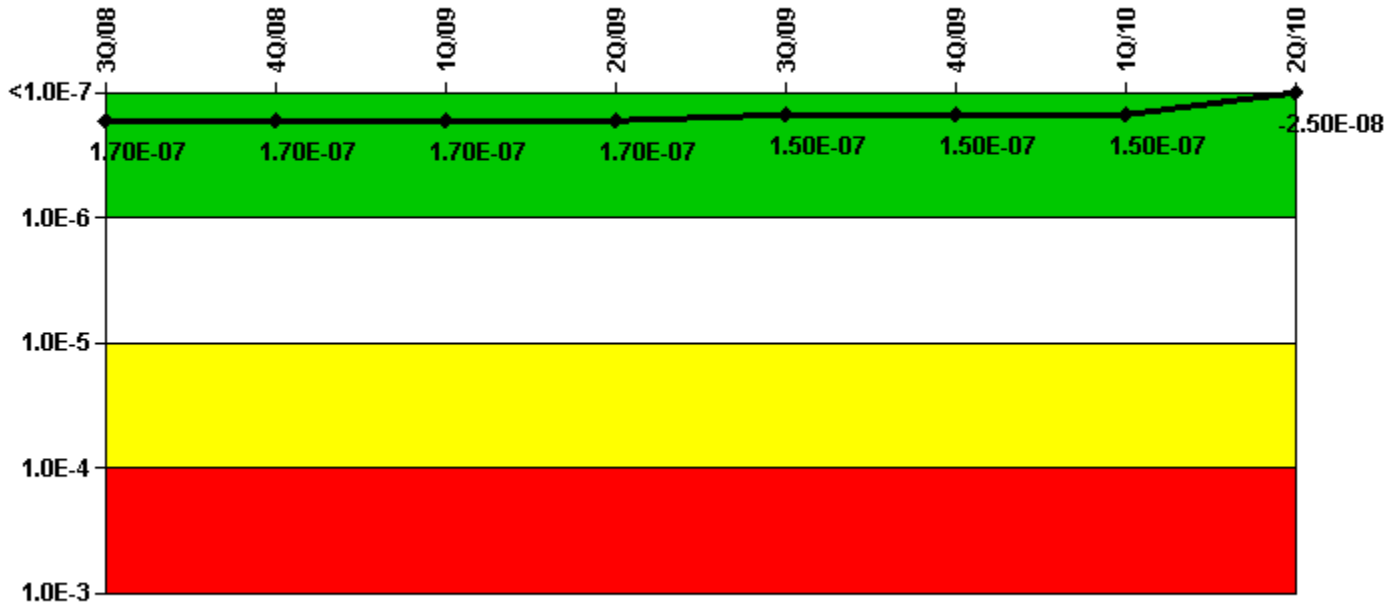
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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) | -3.70E-10 | -3.50E-10 | -3.20E-10 | -3.70E-10 | -1.80E-10 | -2.60E-10 | -2.53E-10 | 6.93E-10 |
| URI (Δ CDF) | 2.50E-07 | 2.50E-07 | 2.50E-07 | 1.50E-07 | 8.10E-08 | -2.90E-08 | 4.82E-08 | 1.90E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 2.50E-07 | 2.50E-07 | 2.50E-07 | 1.50E-07 | 8.08E-08 | -2.93E-08 | 4.80E-08 | 1.90E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



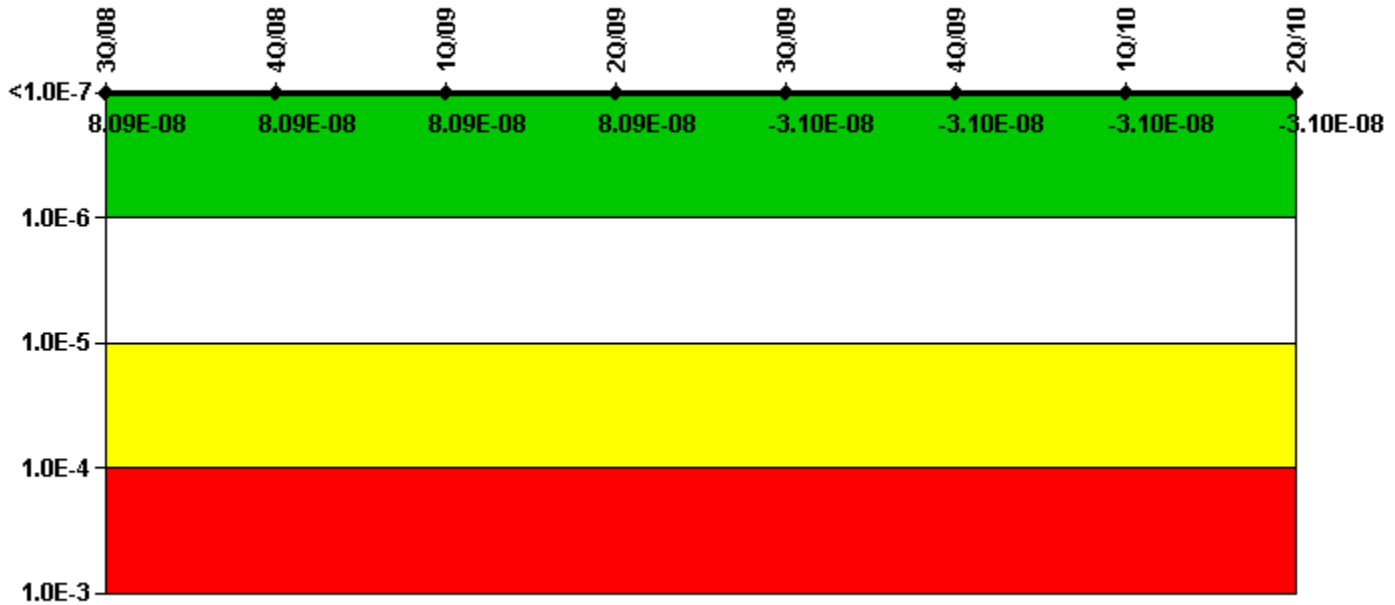
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF) | -3.30E-11 | -3.20E-11 | -3.10E-11 | -2.90E-11 | -1.20E-11 | -1.10E-11 | -1.07E-11 | -2.67E-11 |
| URI (ΔCDF) | 1.70E-07 | 1.70E-07 | 1.70E-07 | 1.70E-07 | 1.50E-07 | 1.50E-07 | 1.48E-07 | -2.51E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 1.70E-07 | 1.70E-07 | 1.70E-07 | 1.70E-07 | 1.50E-07 | 1.50E-07 | 1.50E-07 | -2.50E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



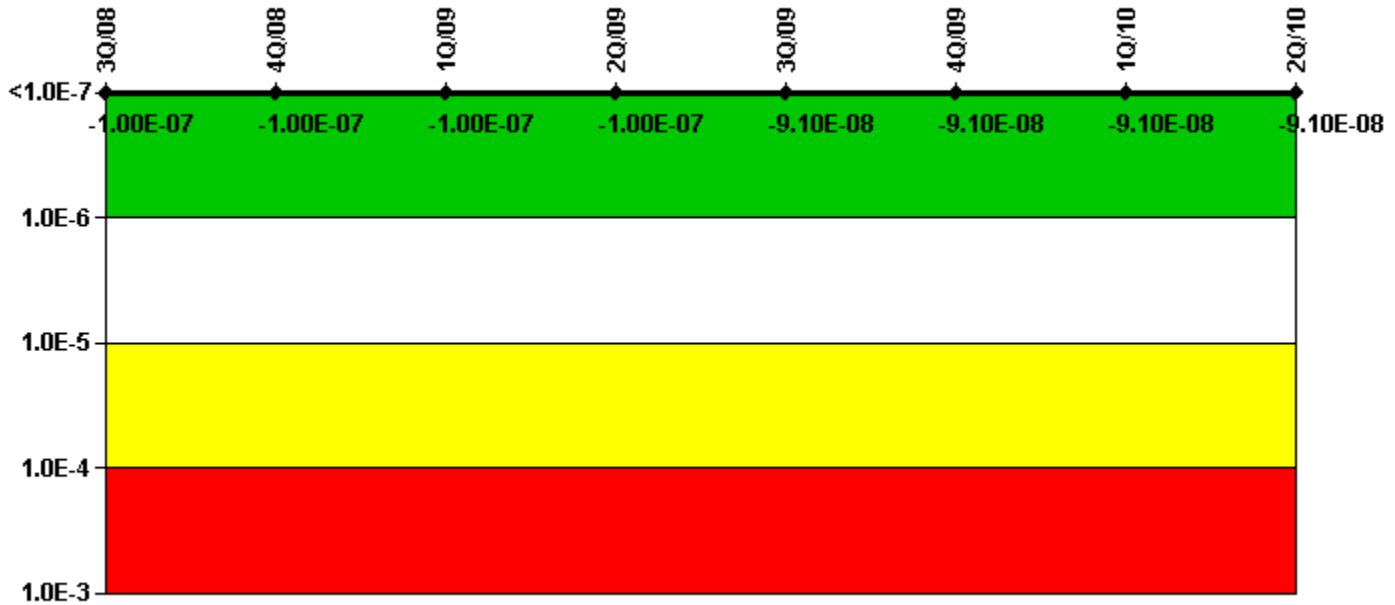
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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) | -5.60E-11 | -6.00E-11 | -5.80E-11 | -5.60E-11 | -2.90E-11 | -2.90E-11 | -2.86E-11 | -2.86E-11 |
| URI (Δ CDF) | 8.10E-08 | 8.10E-08 | 8.10E-08 | 8.10E-08 | -3.10E-08 | -3.10E-08 | -3.06E-08 | -3.06E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 8.09E-08 | 8.09E-08 | 8.09E-08 | 8.09E-08 | -3.10E-08 | -3.10E-08 | -3.10E-08 | -3.10E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



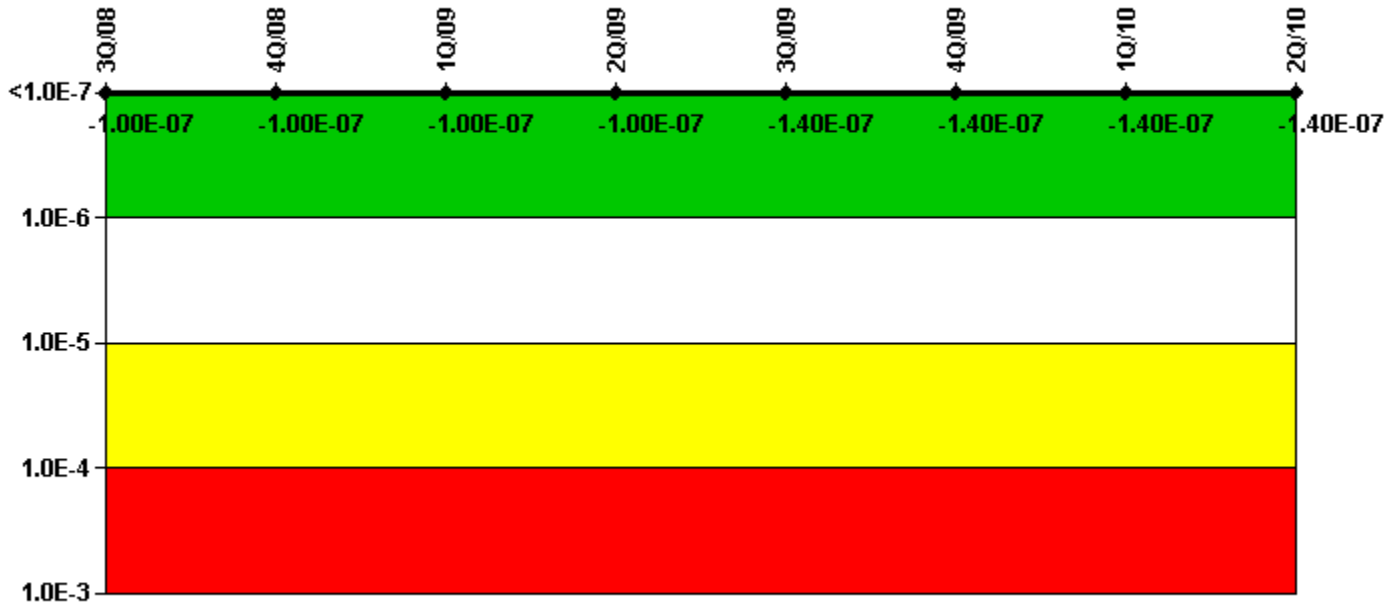
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -2.50E-13 | -2.50E-13 | -2.50E-13 | -2.50E-13 | -3.20E-13 | -3.20E-13 | -2.12E-13 | -2.00E-13 |
| URI (Δ CDF) | -1.00E-07 | -1.00E-07 | -1.00E-07 | -1.00E-07 | -9.10E-08 | -9.10E-08 | -9.13E-08 | -9.13E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.00E-07 | -1.00E-07 | -1.00E-07 | -1.00E-07 | -9.10E-08 | -9.10E-08 | -9.10E-08 | -9.10E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



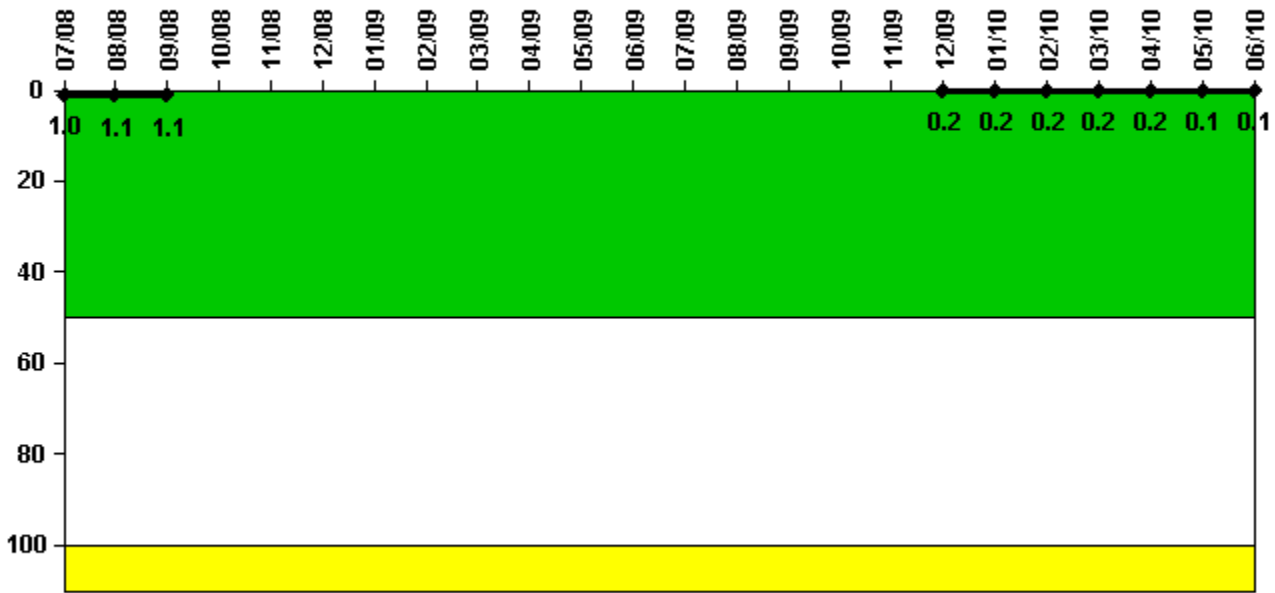
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF) | 3.40E-11 | 2.60E-11 | 2.90E-11 | 3.70E-11 | 3.00E-11 | 3.30E-11 | 2.20E-11 | 2.27E-11 |
| URI (ΔCDF) | -1.00E-07 | -1.00E-07 | -1.00E-07 | -1.00E-07 | -1.40E-07 | -1.40E-07 | -1.42E-07 | -1.42E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.00E-07 | -1.00E-07 | -1.00E-07 | -1.00E-07 | -1.40E-07 | -1.40E-07 | -1.40E-07 | -1.40E-07 |

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 | 0.001720 | 0.001890 | 0.001920 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Technical specification limit | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 1.0 | 1.0 | 1.0 |
| Indicator value | 1.0 | 1.1 | 1.1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

| 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 | N/A | N/A | N/A | N/A | N/A | 0.002080 | 0.001980 | 0.002060 | 0.001630 | 0.001590 | 0.001170 | 0.001240 |
| 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 | N/A | N/A | N/A | N/A | N/A | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |

Licensee Comments: none

Reactor Coolant System Leakage



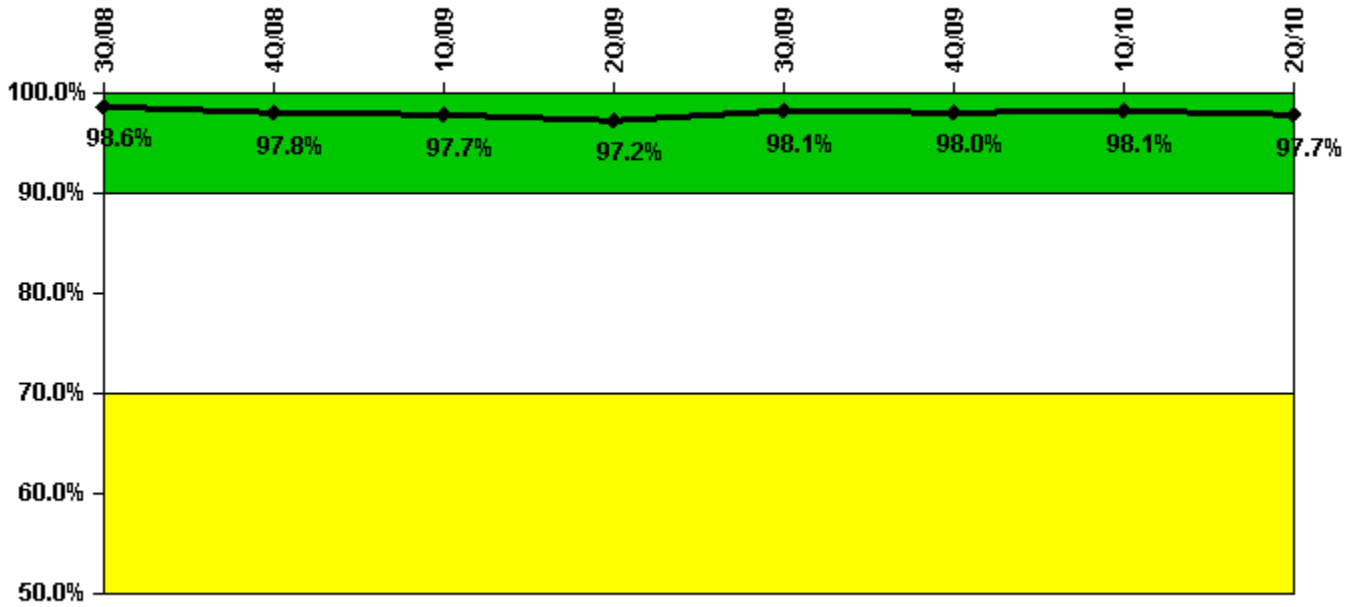
Thresholds: White > 50.0 Yellow > 100.0

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 | 0.026 | 0.020 | 0.022 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Technical specification limit | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| Indicator value | 0.2 | 0.2 | 0.2 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 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 | N/A | N/A | N/A | N/A | 0.041 | 0.166 | 0.029 | 0.068 | N/A | 0.012 | 0.014 | 0.016 |
| Technical specification limit | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| Indicator value | N/A | N/A | N/A | N/A | 0.4 | 1.5 | 0.3 | 0.6 | N/A | 0.1 | 0.1 | 0.1 |

Licensee Comments: none

Drill/Exercise Performance



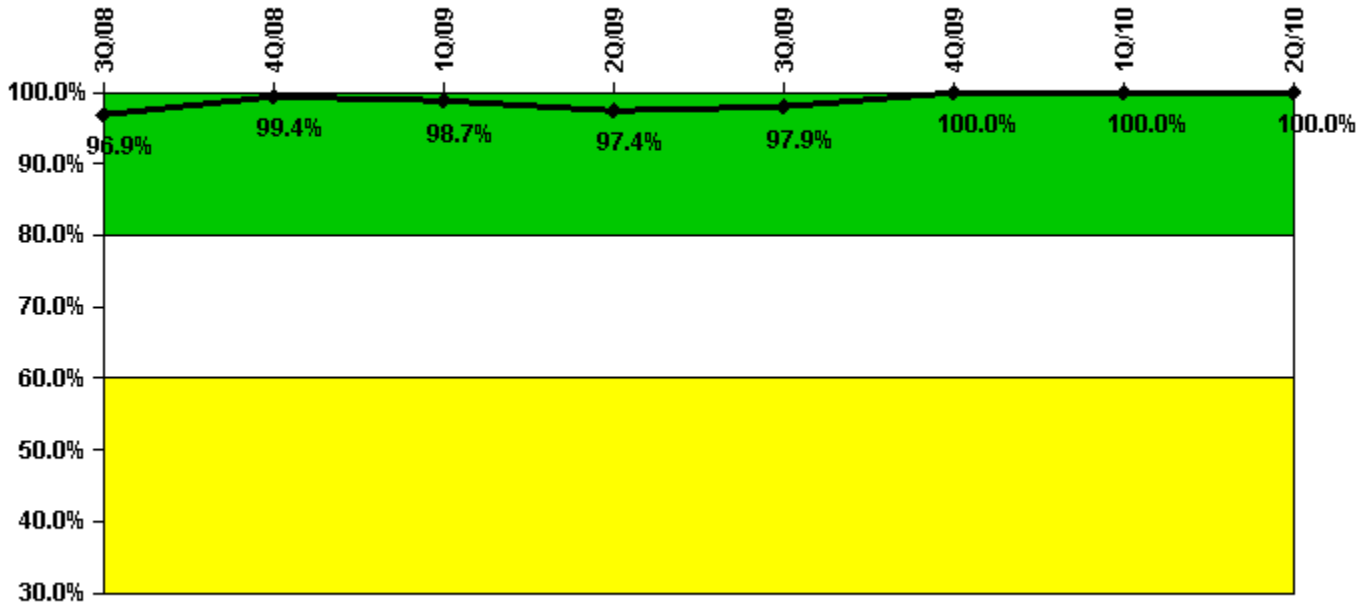
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 132.0 | 96.0 | 47.0 | 5.0 | 82.0 | 16.0 | 12.0 | 26.0 |
| Total opportunities | 132.0 | 101.0 | 47.0 | 5.0 | 85.0 | 16.0 | 12.0 | 28.0 |
| | | | | | | | | |
| Indicator value | 98.6% | 97.8% | 97.7% | 97.2% | 98.1% | 98.0% | 98.1% | 97.7% |

Licensee Comments: none

ERO Drill Participation



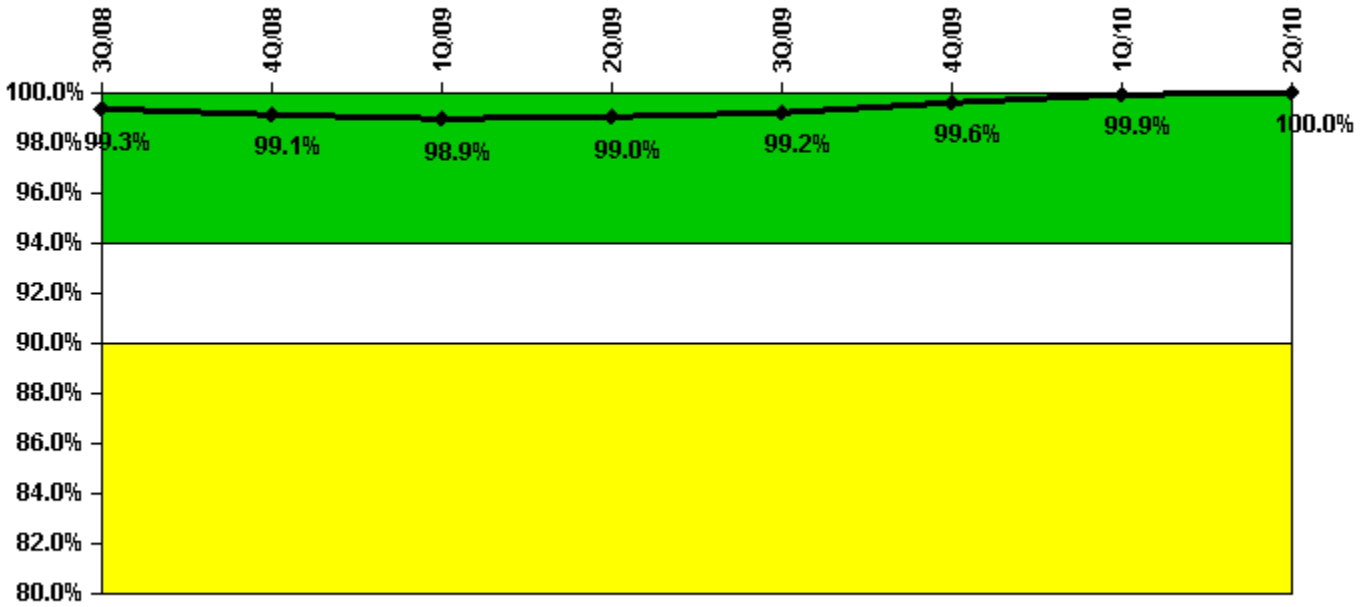
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|-----------------------------|-------|-------|-------|-------|-------|--------|--------|--------|
| Participating Key personnel | 155.0 | 153.0 | 156.0 | 152.0 | 140.0 | 144.0 | 95.0 | 96.0 |
| Total Key personnel | 160.0 | 154.0 | 158.0 | 156.0 | 143.0 | 144.0 | 95.0 | 96.0 |
| Indicator value | 96.9% | 99.4% | 98.7% | 97.4% | 97.9% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

Alert & Notification System



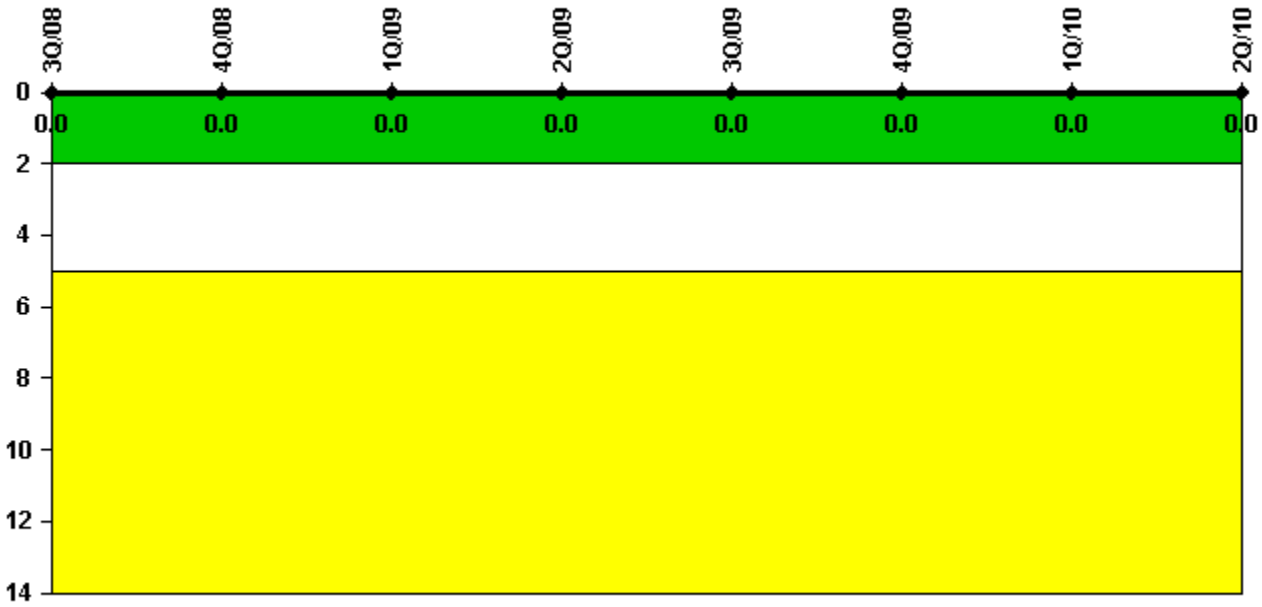
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|--------|
| Successful siren-tests | 1111 | 1171 | 1035 | 1117 | 1190 | 1115 | 1119 | 1119 |
| Total sirens-tests | 1120 | 1190 | 1050 | 1119 | 1190 | 1116 | 1119 | 1119 |
| | | | | | | | | |
| Indicator value | 99.3% | 99.1% | 98.9% | 99.0% | 99.2% | 99.6% | 99.9% | 100.0% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



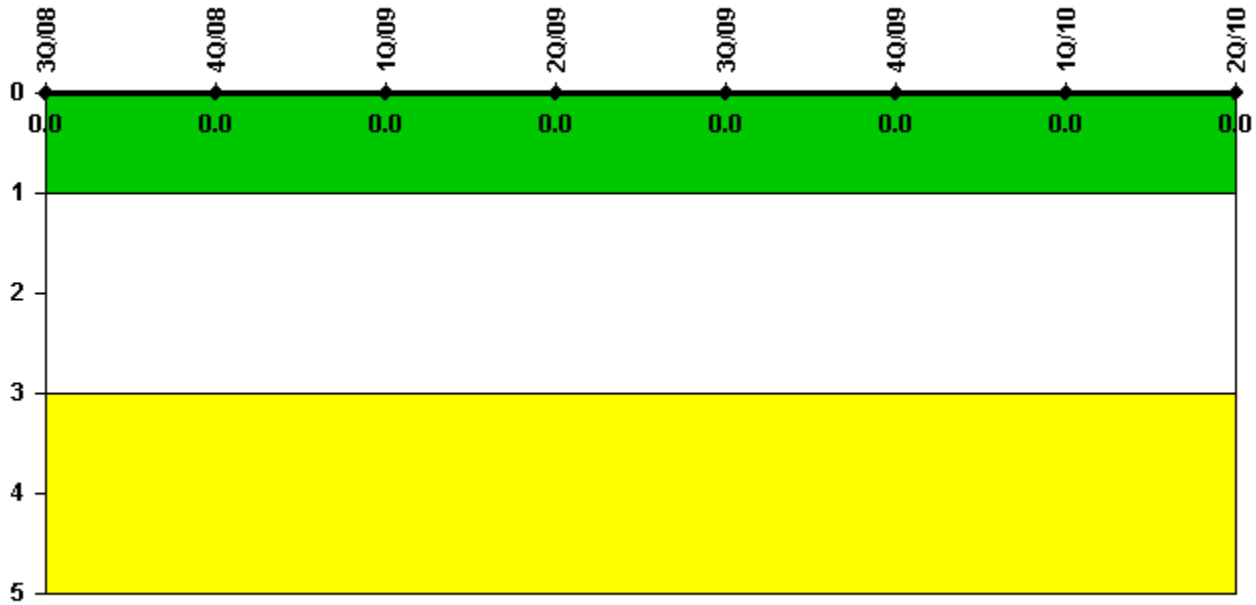
Thresholds: White > 2.0 Yellow > 5.0

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.