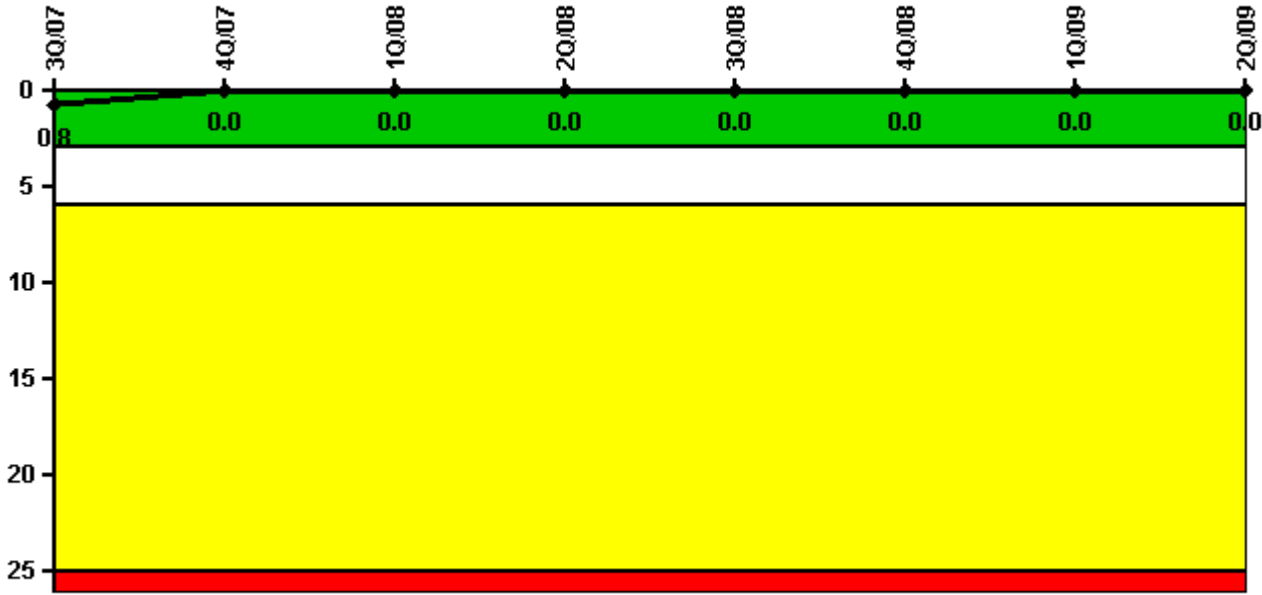


Calvert Cliffs 1

2Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



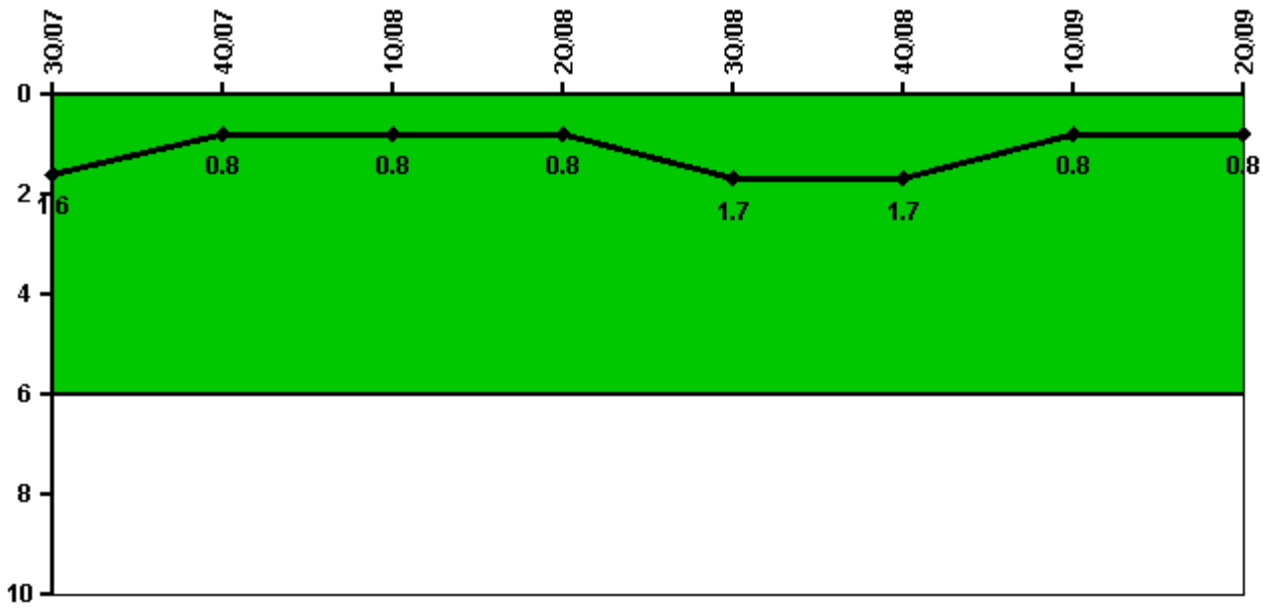
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 1727.4 | 2184.0 | 2208.0 | 2209.0 | 2159.0 | 2184.0 |
| Indicator value | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



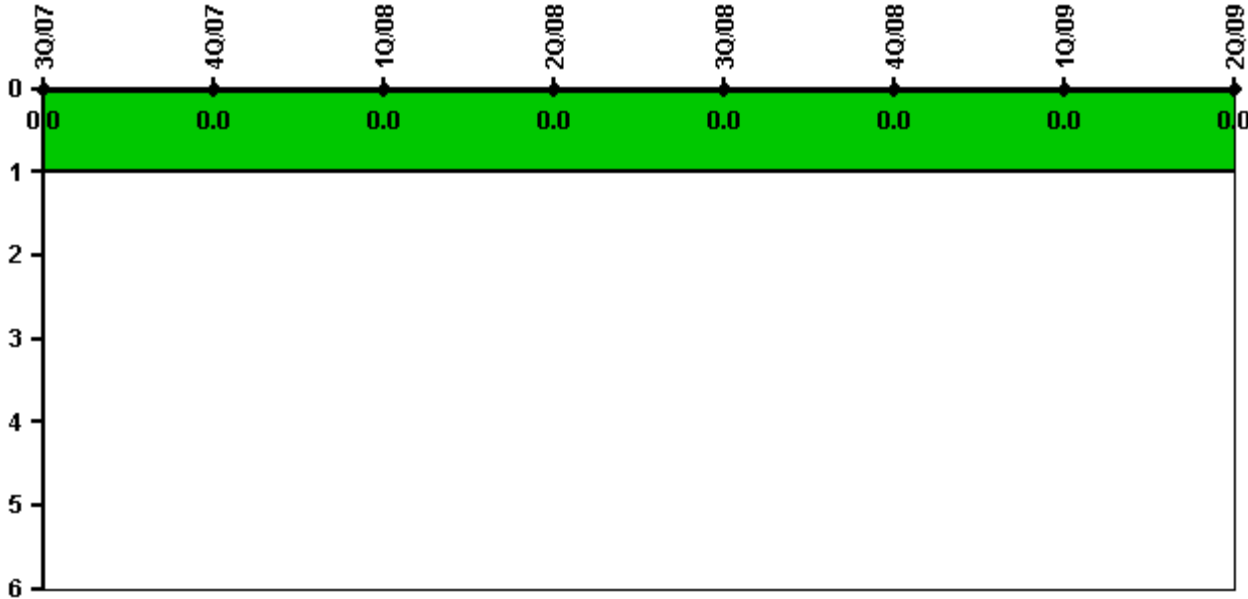
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 0 | 1.0 | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 1727.4 | 2184.0 | 2208.0 | 2209.0 | 2159.0 | 2184.0 |
| Indicator value | 1.6 | 0.8 | 0.8 | 0.8 | 1.7 | 1.7 | 0.8 | 0.8 |

Licensee Comments: none

Unplanned Scrams with Complications



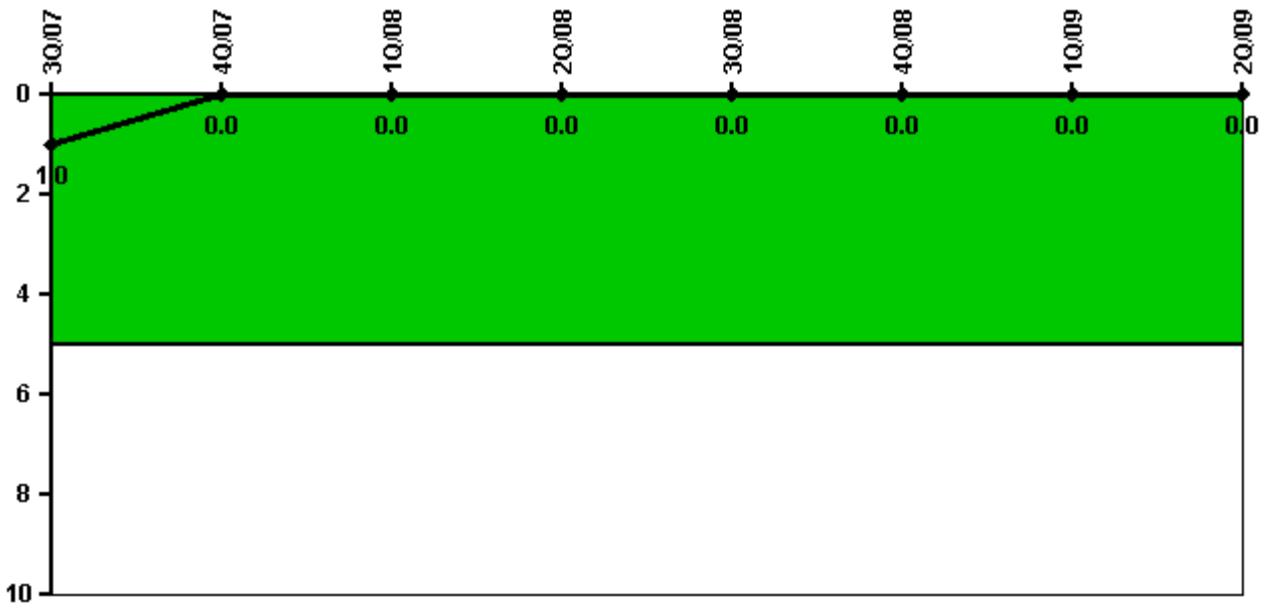
Thresholds: White > 1.0

Notes

| Unplanned Scrams with Complications | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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)



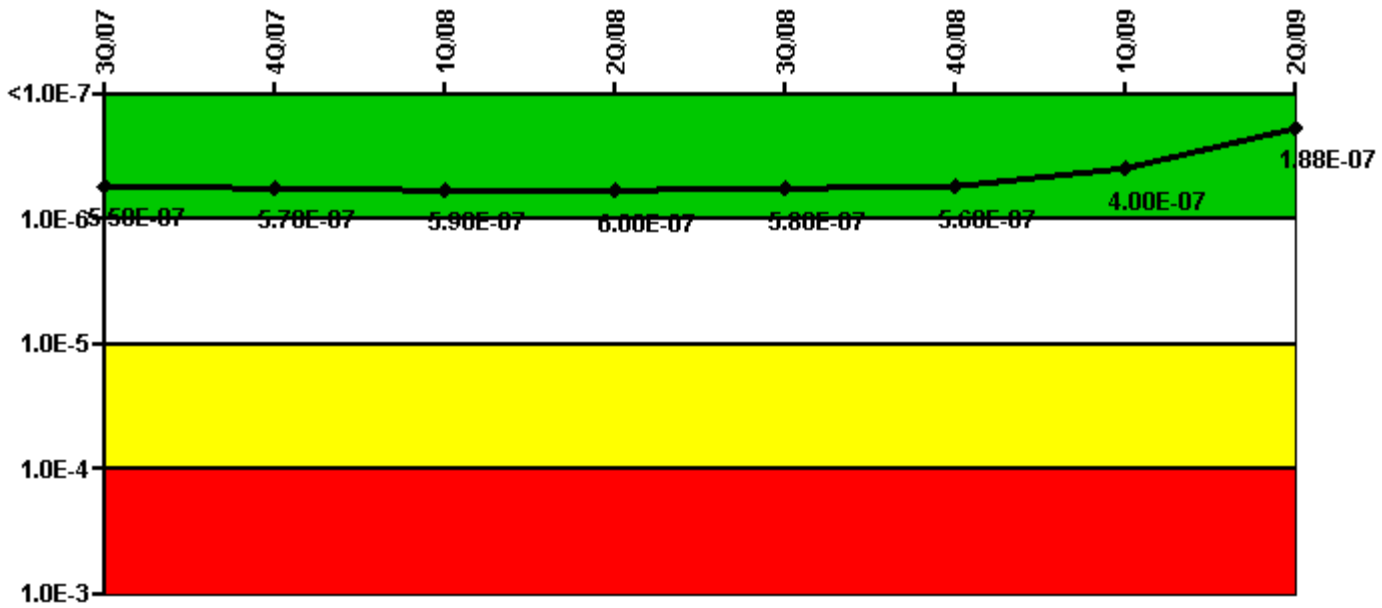
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



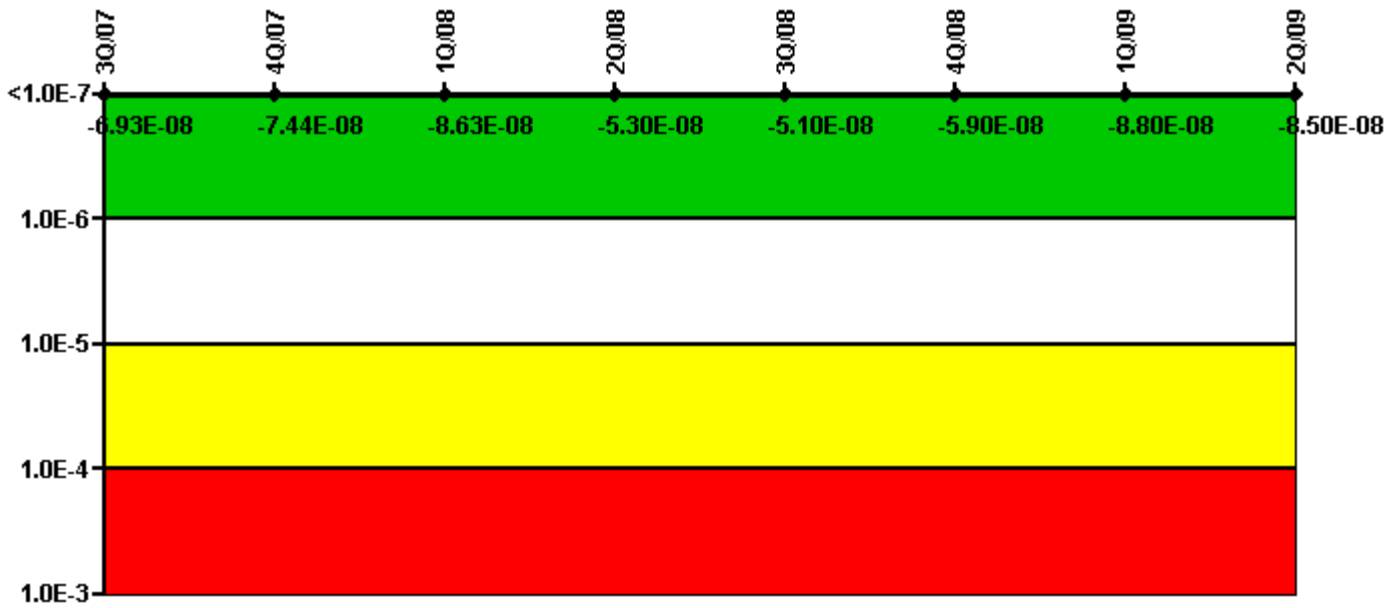
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| UAI (ΔCDF) | 2.10E-07 | 2.50E-07 | 2.60E-07 | 2.80E-07 | 2.60E-07 | 2.50E-07 | 2.30E-07 | 1.40E-07 |
| URI (ΔCDF) | 3.40E-07 | 3.20E-07 | 3.30E-07 | 3.20E-07 | 3.20E-07 | 3.10E-07 | 1.70E-07 | 4.80E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 5.50E-07 | 5.70E-07 | 5.90E-07 | 6.00E-07 | 5.80E-07 | 5.60E-07 | 4.00E-07 | 1.88E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



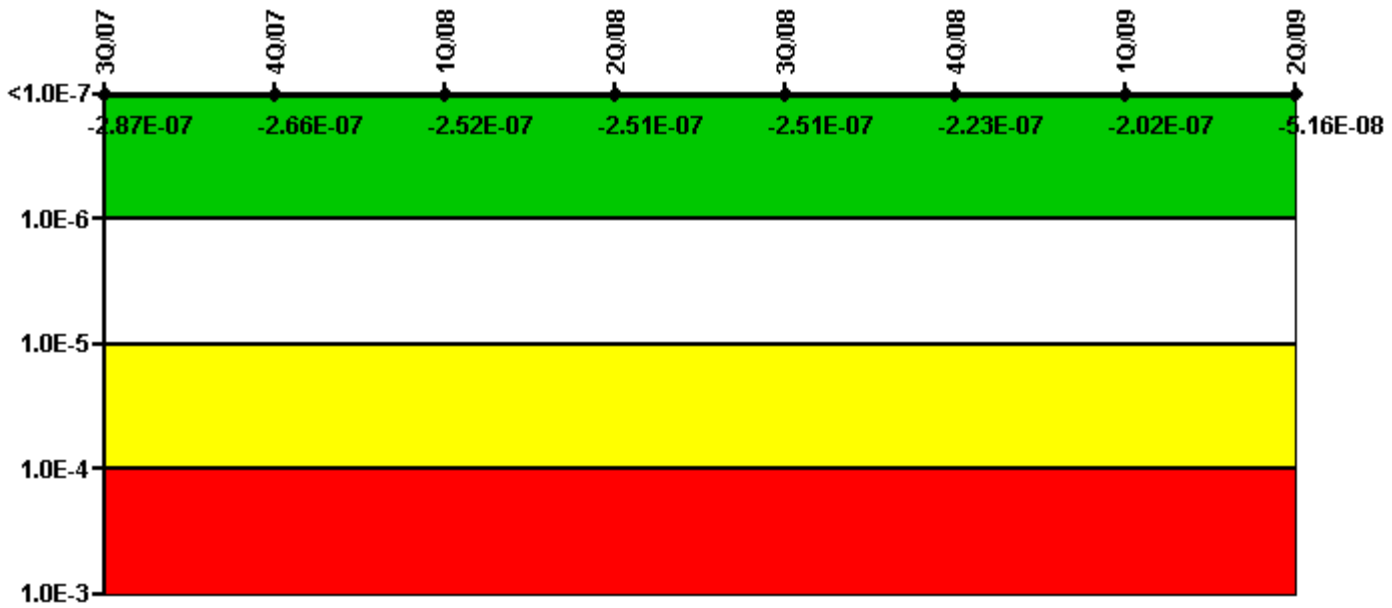
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 3.70E-09 | 4.60E-09 | 3.70E-09 | 3.40E-08 | 3.50E-08 | 2.40E-08 | -1.40E-08 | -2.40E-08 |
| URI (Δ CDF) | -7.30E-08 | -7.90E-08 | -9.00E-08 | -8.70E-08 | -8.60E-08 | -8.30E-08 | -7.40E-08 | -6.10E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -6.93E-08 | -7.44E-08 | -8.63E-08 | -5.30E-08 | -5.10E-08 | -5.90E-08 | -8.80E-08 | -8.50E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



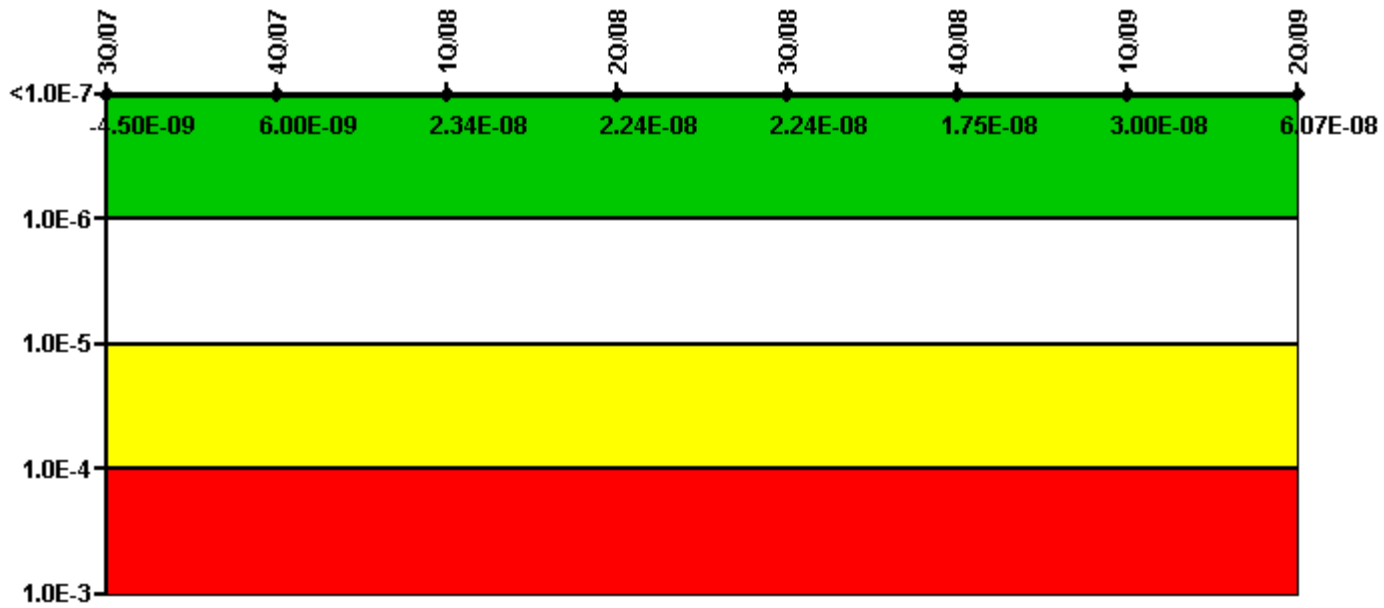
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Heat Removal System | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -2.70E-08 | -6.00E-09 | 3.80E-08 | 4.90E-08 | 4.90E-08 | 7.70E-08 | 6.80E-08 | 9.40E-09 |
| URI (Δ CDF) | -2.60E-07 | -2.60E-07 | -2.90E-07 | -3.00E-07 | -3.00E-07 | -3.00E-07 | -2.70E-07 | -6.10E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -2.87E-07 | -2.66E-07 | -2.52E-07 | -2.51E-07 | -2.51E-07 | -2.23E-07 | -2.02E-07 | -5.16E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



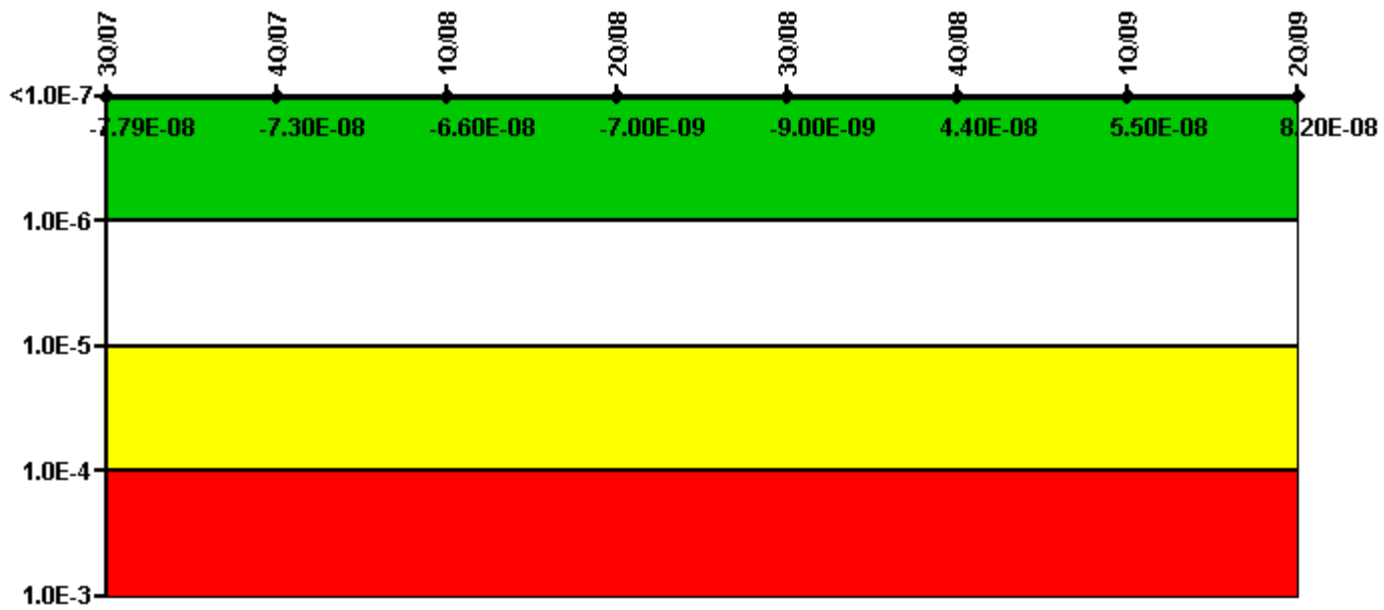
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|--|-------------|------------|------------|------------|------------|------------|-------------|-------------|
| UAI (Δ CDF) | $-7.00E-09$ | $3.70E-09$ | $2.20E-08$ | $2.10E-08$ | $2.10E-08$ | $1.60E-08$ | $3.40E-08$ | $6.70E-08$ |
| URI (Δ CDF) | $2.50E-09$ | $2.30E-09$ | $1.40E-09$ | $1.40E-09$ | $1.40E-09$ | $1.50E-09$ | $-4.00E-09$ | $-6.30E-09$ |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | $-4.50E-09$ | $6.00E-09$ | $2.34E-08$ | $2.24E-08$ | $2.24E-08$ | $1.75E-08$ | $3.00E-08$ | $6.07E-08$ |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



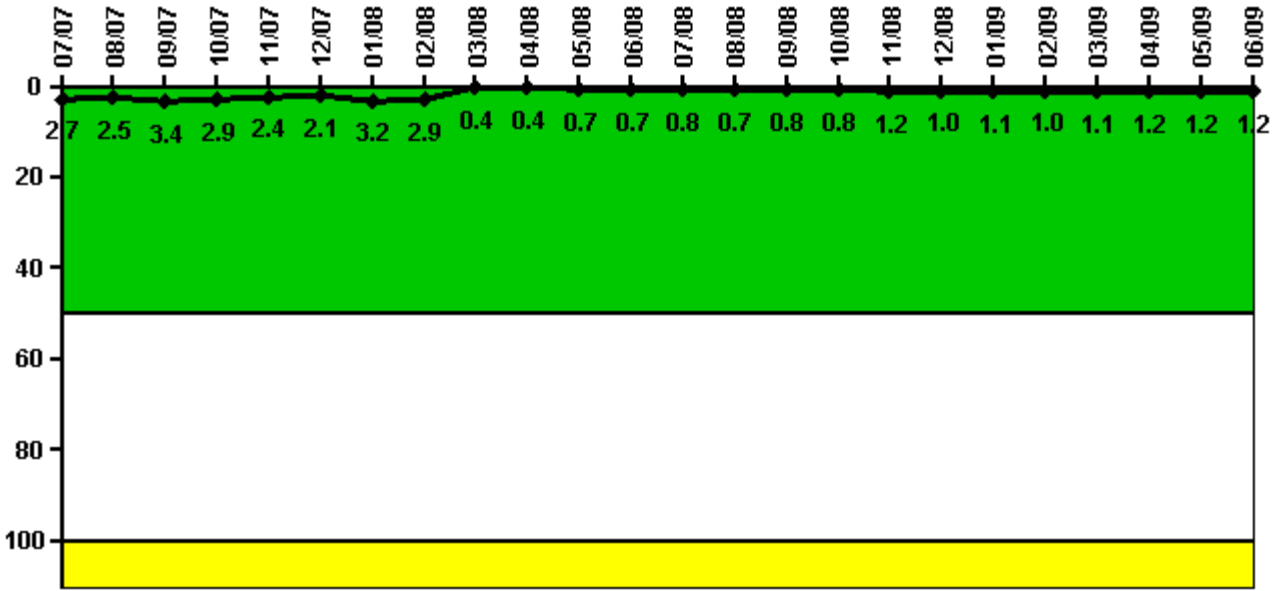
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|
| UAI (Δ CDF) | 6.10E-09 | 1.10E-08 | 1.60E-08 | 1.60E-08 | 1.50E-08 | 2.80E-08 | 3.90E-08 | 2.30E-08 |
| URI (Δ CDF) | -8.40E-08 | -8.40E-08 | -8.20E-08 | -2.30E-08 | -2.40E-08 | 1.60E-08 | 1.60E-08 | 5.90E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -7.79E-08 | -7.30E-08 | -6.60E-08 | -7.00E-09 | -9.00E-09 | 4.40E-08 | 5.50E-08 | 8.20E-08 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

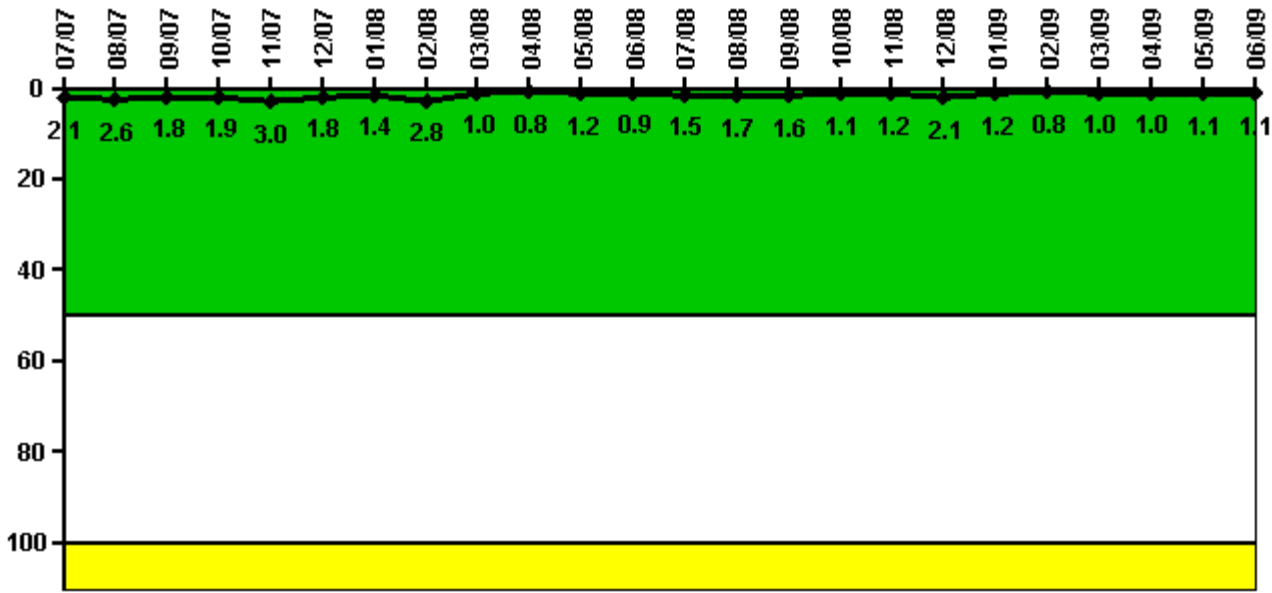
Notes

| Reactor Coolant System Activity | 7/07 | 8/07 | 9/07 | 10/07 | 11/07 | 12/07 | 1/08 | 2/08 | 3/08 | 4/08 | 5/08 | 6/08 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.026600 | 0.024600 | 0.033800 | 0.028600 | 0.023700 | 0.021100 | 0.031800 | 0.029000 | 0.003840 | 0.004050 | 0.006520 | 0.006960 |
| 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 | 2.7 | 2.5 | 3.4 | 2.9 | 2.4 | 2.1 | 3.2 | 2.9 | 0.4 | 0.4 | 0.7 | 0.7 |

| 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 | 0.007570 | 0.007470 | 0.008140 | 0.008350 | 0.011800 | 0.010000 | 0.010700 | 0.010100 | 0.010800 | 0.011500 | 0.011800 | 0.012200 |
| 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 | 0.8 | 0.7 | 0.8 | 0.8 | 1.2 | 1.0 | 1.1 | 1.0 | 1.1 | 1.2 | 1.2 | 1.2 |

Licensee Comments: none

Reactor Coolant System Leakage



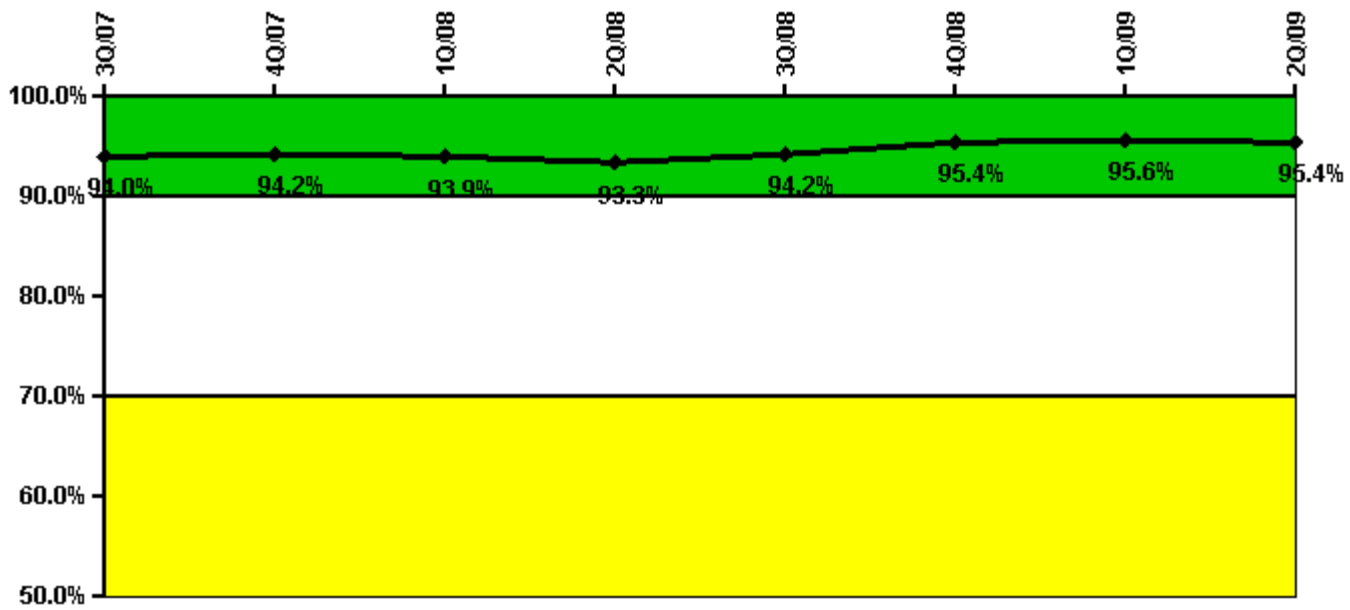
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Leakage | 7/07 | 8/07 | 9/07 | 10/07 | 11/07 | 12/07 | 1/08 | 2/08 | 3/08 | 4/08 | 5/08 | 6/08 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.210 | 0.260 | 0.180 | 0.190 | 0.299 | 0.180 | 0.140 | 0.280 | 0.100 | 0.080 | 0.120 | 0.090 |
| 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 | 2.1 | 2.6 | 1.8 | 1.9 | 3.0 | 1.8 | 1.4 | 2.8 | 1.0 | 0.8 | 1.2 | 0.9 |
| 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 | 0.150 | 0.170 | 0.160 | 0.110 | 0.120 | 0.210 | 0.120 | 0.080 | 0.100 | 0.100 | 0.110 | 0.110 |
| 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 | 1.5 | 1.7 | 1.6 | 1.1 | 1.2 | 2.1 | 1.2 | 0.8 | 1.0 | 1.0 | 1.1 | 1.1 |

Licensee Comments: none

Drill/Exercise Performance



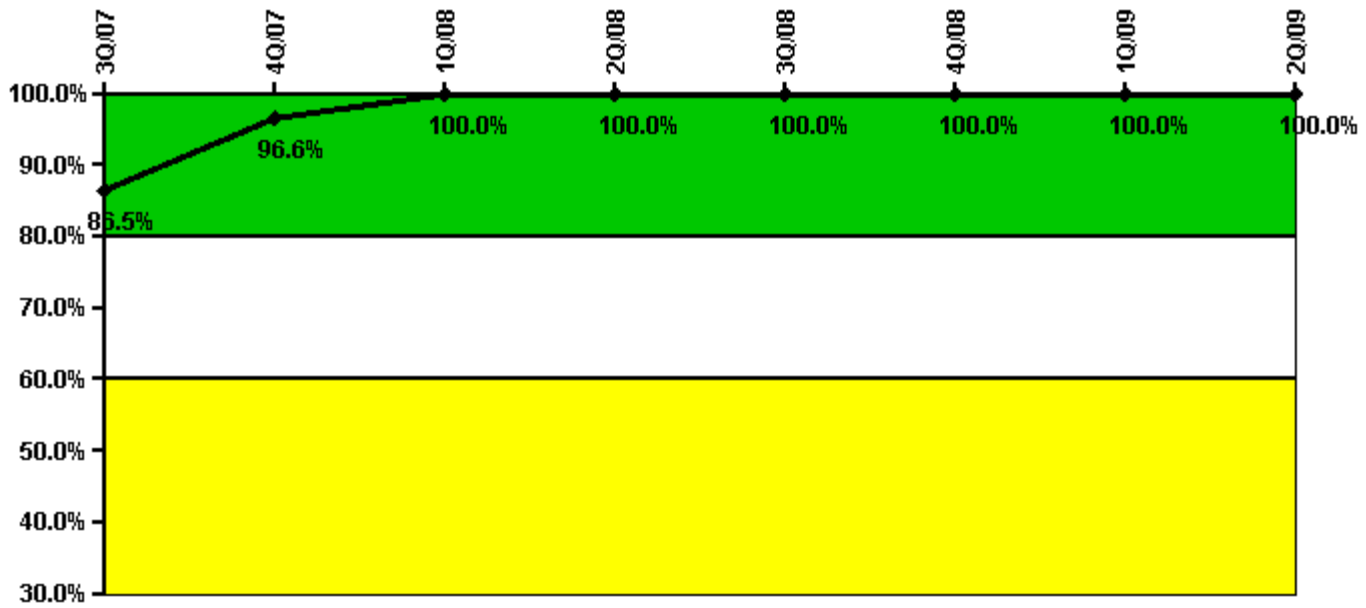
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 36.0 | 69.0 | 4.0 | 26.0 | 40.0 | 52.0 | 10.0 | 30.0 |
| Total opportunities | 36.0 | 71.0 | 5.0 | 27.0 | 40.0 | 59.0 | 10.0 | 32.0 |
| | | | | | | | | |
| Indicator value | 94.0% | 94.2% | 93.9% | 93.3% | 94.2% | 95.4% | 95.6% | 95.4% |

Licensee Comments: none

ERO Drill Participation



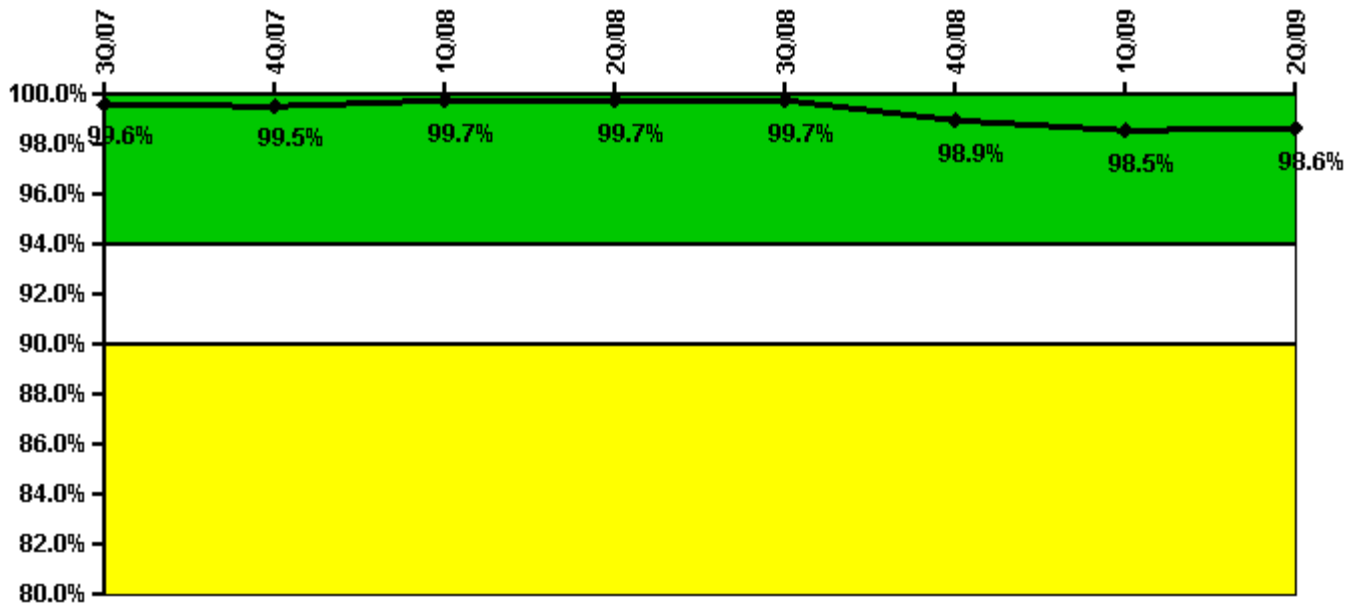
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|-----------------------------|-------|-------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 77.0 | 85.0 | 83.0 | 87.0 | 86.0 | 84.0 | 88.0 | 98.0 |
| Total Key personnel | 89.0 | 88.0 | 83.0 | 87.0 | 86.0 | 84.0 | 88.0 | 98.0 |
| Indicator value | 86.5% | 96.6% | 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/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 947 | 1019 | 947 | 946 | 946 | 916 | 932 | 948 |
| Total sirens-tests | 949 | 1022 | 949 | 949 | 949 | 949 | 949 | 949 |
| Indicator value | 99.6% | 99.5% | 99.7% | 99.7% | 99.7% | 98.9% | 98.5% | 98.6% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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.