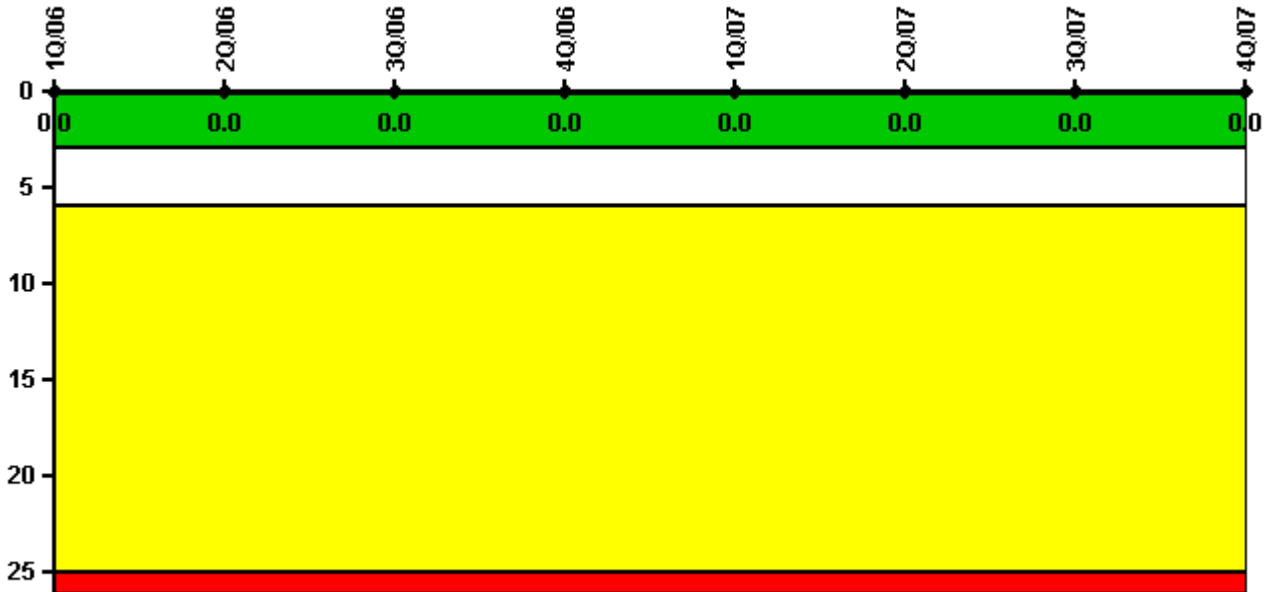


Fort Calhoun

4Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



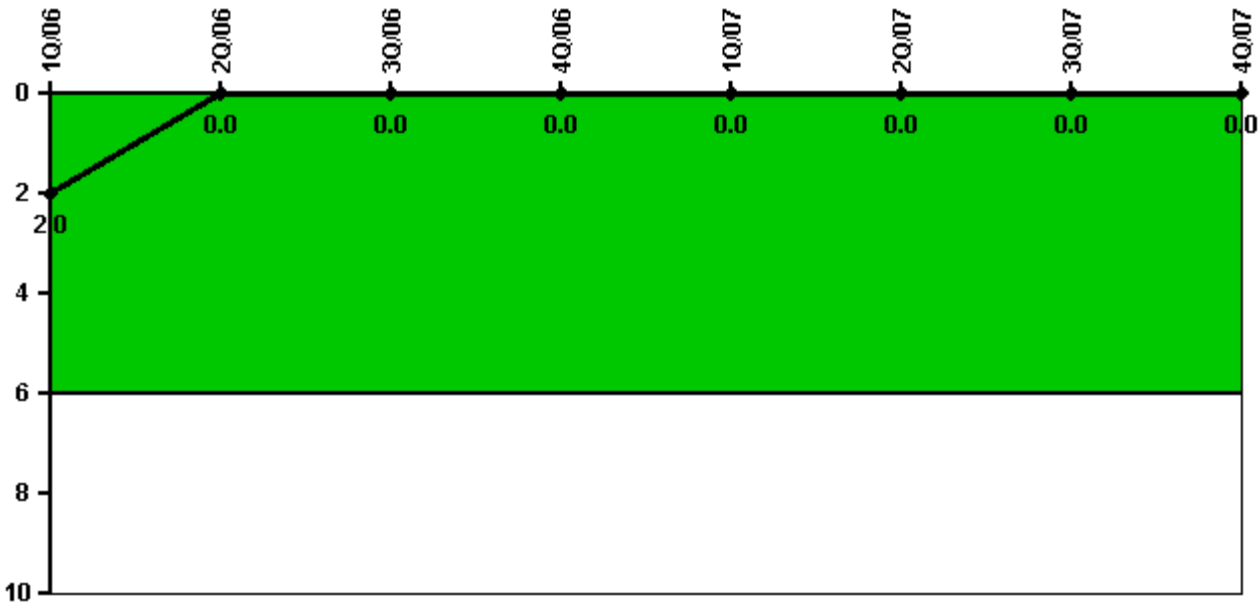
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|--|--------|--------|--------|-------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2160.0 | 2032.2 | 1700.5 | 694.9 | 2159.0 | 2184.0 | 2208.0 | 2209.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



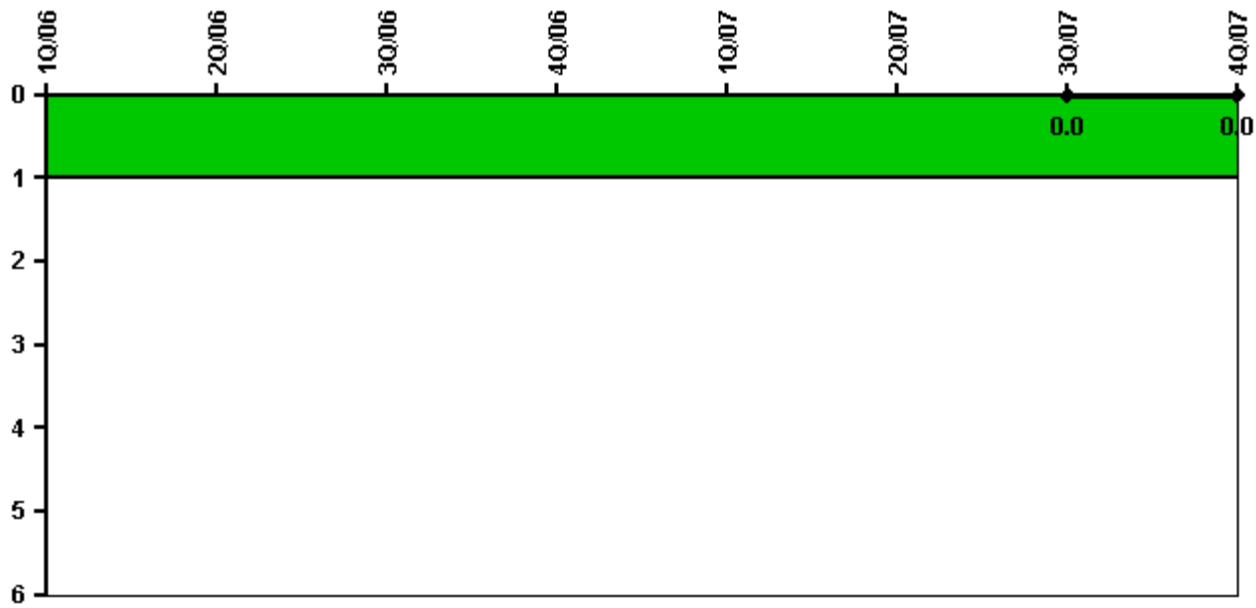
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---|--------|--------|--------|-------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2160.0 | 2032.2 | 1700.5 | 694.9 | 2159.0 | 2184.0 | 2208.0 | 2209.0 |
| Indicator value | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Scrams with Complications



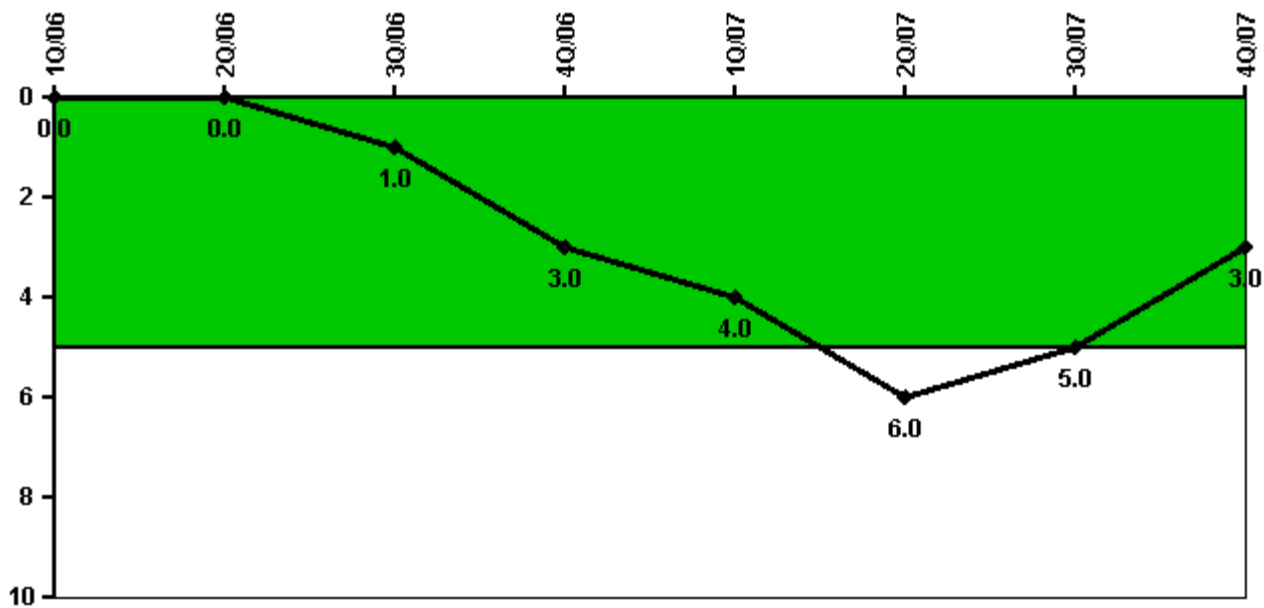
Thresholds: White > 1.0

Notes

| Unplanned Scrams with Complications | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|------------|------------|
| Scrams with complications | | | | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| Indicator value | | | | | | | 0.0 | 0.0 |

Licensee Comments: none

Safety System Functional Failures (PWR)



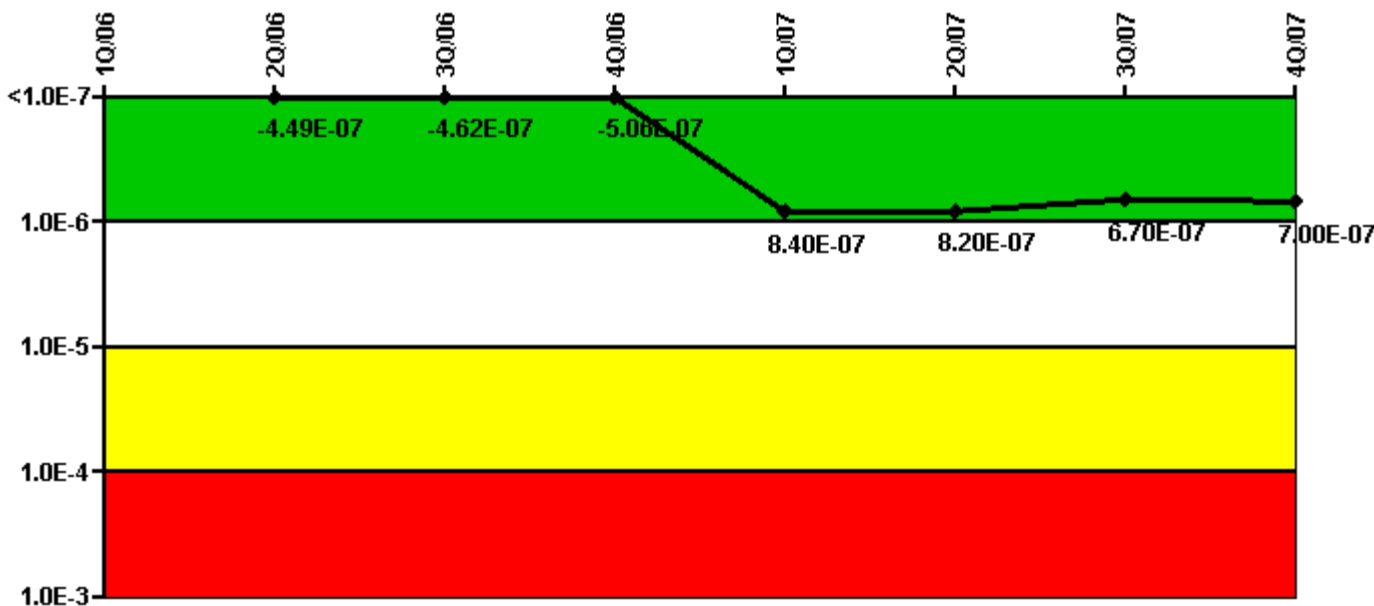
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 0 | 1 | 2 | 1 | 2 | 0 | 0 |
| Indicator value | 0 | 0 | 1 | 3 | 4 | 6 | 5 | 3 |

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



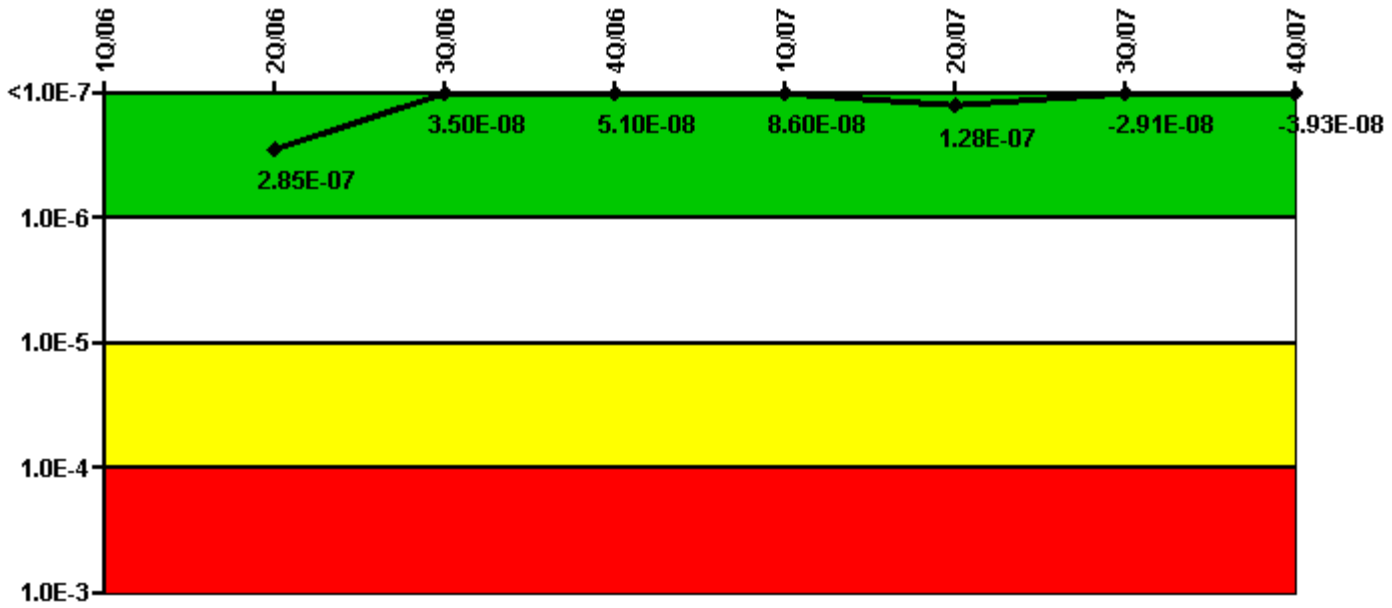
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---|-------|-----------|-----------|-----------|----------|----------|----------|----------|
| UAI (ΔCDF) | | 7.10E-08 | 4.80E-08 | 4.40E-08 | 1.60E-07 | 1.00E-07 | 4.40E-07 | 4.90E-07 |
| URI (ΔCDF) | | -5.20E-07 | -5.10E-07 | -5.50E-07 | 6.80E-07 | 7.20E-07 | 2.30E-07 | 2.10E-07 |
| PLE | | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | | -4.49E-07 | -4.62E-07 | -5.06E-07 | 8.40E-07 | 8.20E-07 | 6.70E-07 | 7.00E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



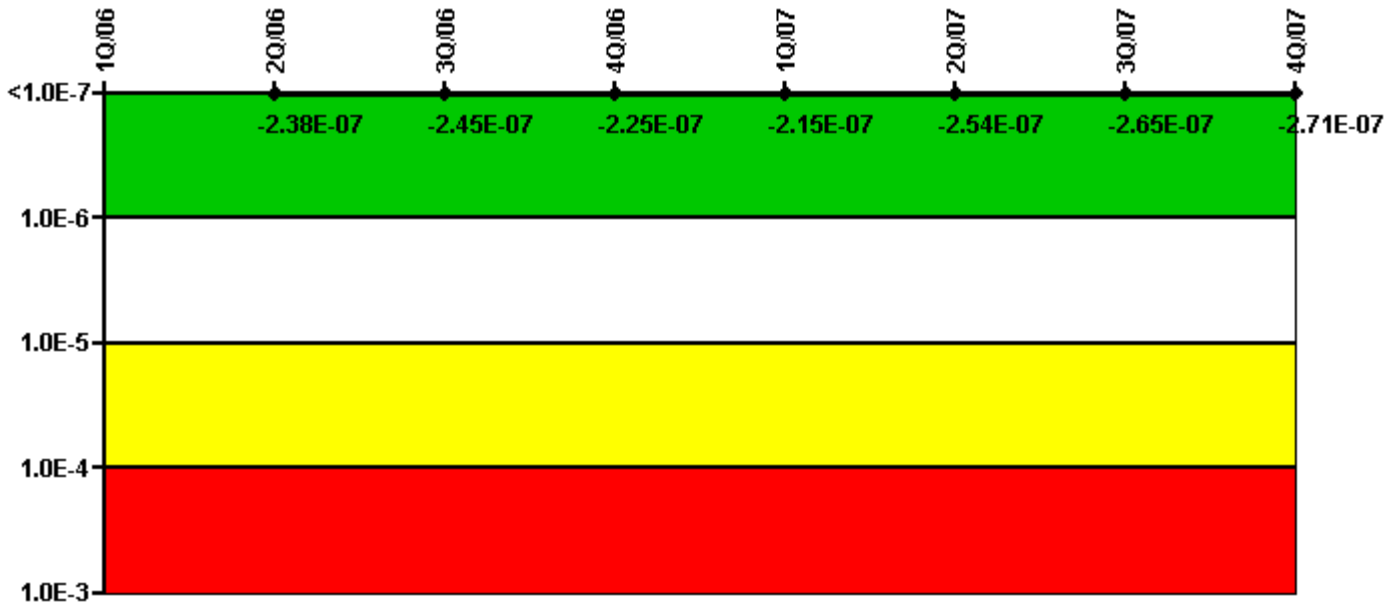
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|--|-------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| UAI (ΔCDF) | | $3.50E-08$ | $8.20E-08$ | $9.70E-08$ | $1.30E-07$ | $1.70E-07$ | $9.90E-09$ | $-4.30E-09$ |
| URI (ΔCDF) | | $2.50E-07$ | $-4.70E-08$ | $-4.60E-08$ | $-4.40E-08$ | $-4.20E-08$ | $-3.90E-08$ | $-3.50E-08$ |
| PLE | | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | | $2.85E-07$ | $3.50E-08$ | $5.10E-08$ | $8.60E-08$ | $1.28E-07$ | $-2.91E-08$ | $-3.93E-08$ |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



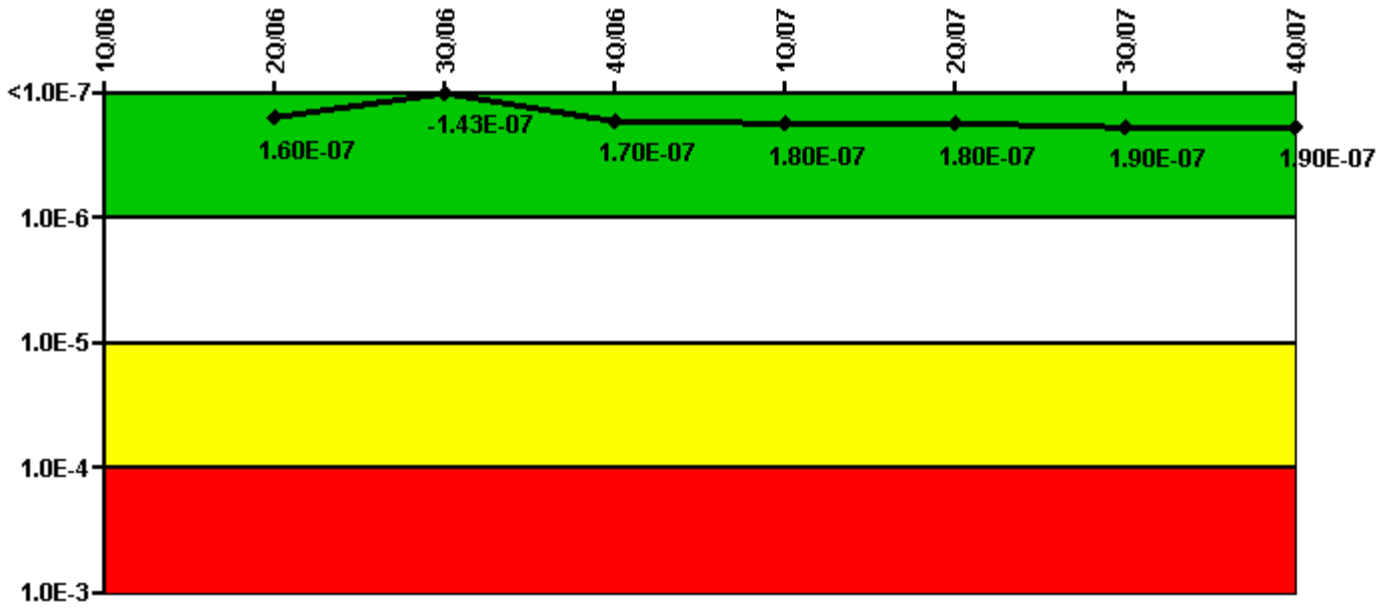
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

| Mitigating Systems Performance Index, Heat Removal System | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| UAI (Δ CDF) | | $2.20E-08$ | $2.50E-08$ | $4.50E-08$ | $5.50E-08$ | $2.60E-08$ | $1.50E-08$ | $8.90E-09$ |
| URI (Δ CDF) | | $-2.60E-07$ | $-2.70E-07$ | $-2.70E-07$ | $-2.70E-07$ | $-2.80E-07$ | $-2.80E-07$ | $-2.80E-07$ |
| PLE | | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | | $-2.38E-07$ | $-2.45E-07$ | $-2.25E-07$ | $-2.15E-07$ | $-2.54E-07$ | $-2.65E-07$ | $-2.71E-07$ |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



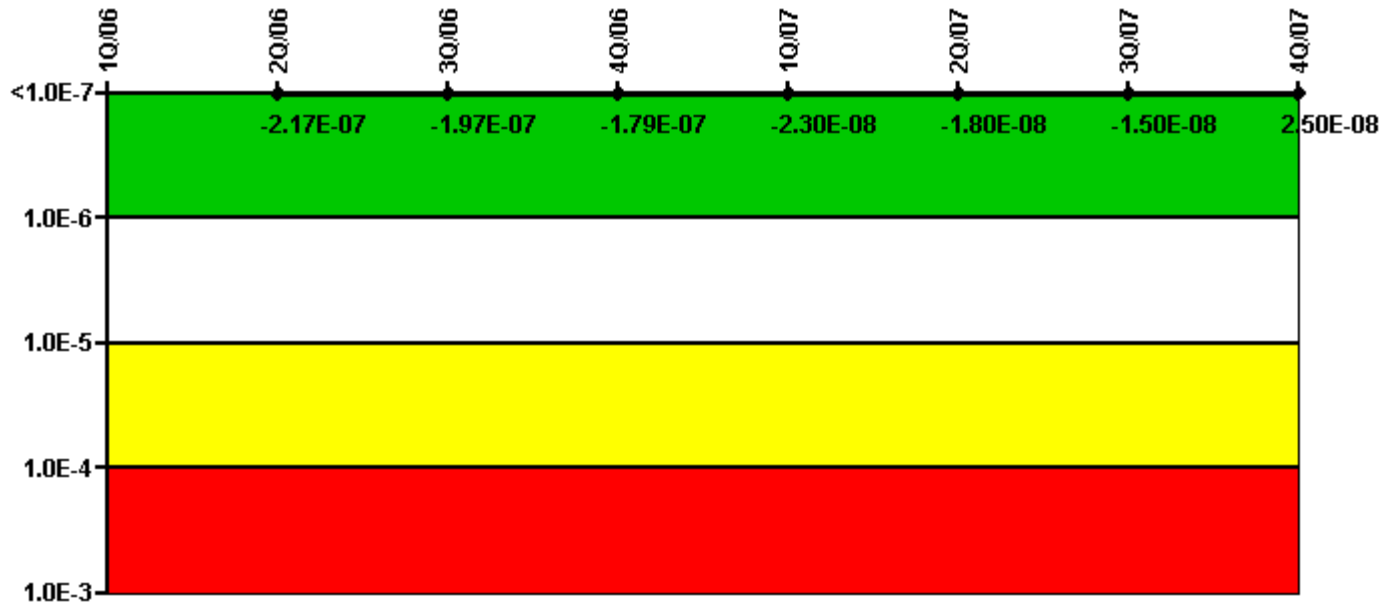
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|--|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| UAI (ΔCDF) | | $-1.20E-07$ | $-1.20E-07$ | $-1.10E-07$ | $-1.10E-07$ | $-1.10E-07$ | $-1.10E-07$ | $-1.10E-07$ |
| URI (ΔCDF) | | $2.80E-07$ | $-2.30E-08$ | $2.80E-07$ | $2.90E-07$ | $2.90E-07$ | $3.00E-07$ | $3.00E-07$ |
| PLE | | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | | $1.60E-07$ | $-1.43E-07$ | $1.70E-07$ | $1.80E-07$ | $1.80E-07$ | $1.90E-07$ | $1.90E-07$ |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



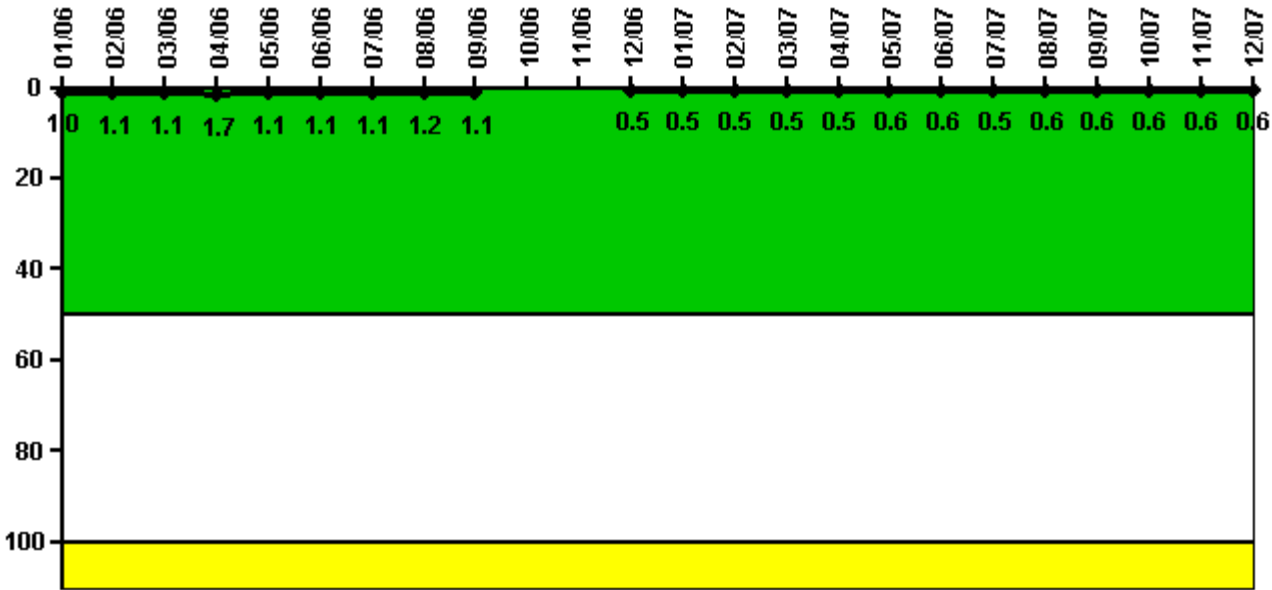
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| UAI (ΔCDF) | | $-2.00E-07$ | $-1.90E-07$ | $-2.00E-07$ | $-1.00E-07$ | $-9.40E-08$ | $-9.00E-08$ | $-4.60E-08$ |
| URI (ΔCDF) | | $-1.70E-08$ | $-7.20E-09$ | $2.10E-08$ | $7.70E-08$ | $7.60E-08$ | $7.50E-08$ | $7.10E-08$ |
| PLE | | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | | $-2.17E-07$ | $-1.97E-07$ | $-1.79E-07$ | $-2.30E-08$ | $-1.80E-08$ | $-1.50E-08$ | $2.50E-08$ |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

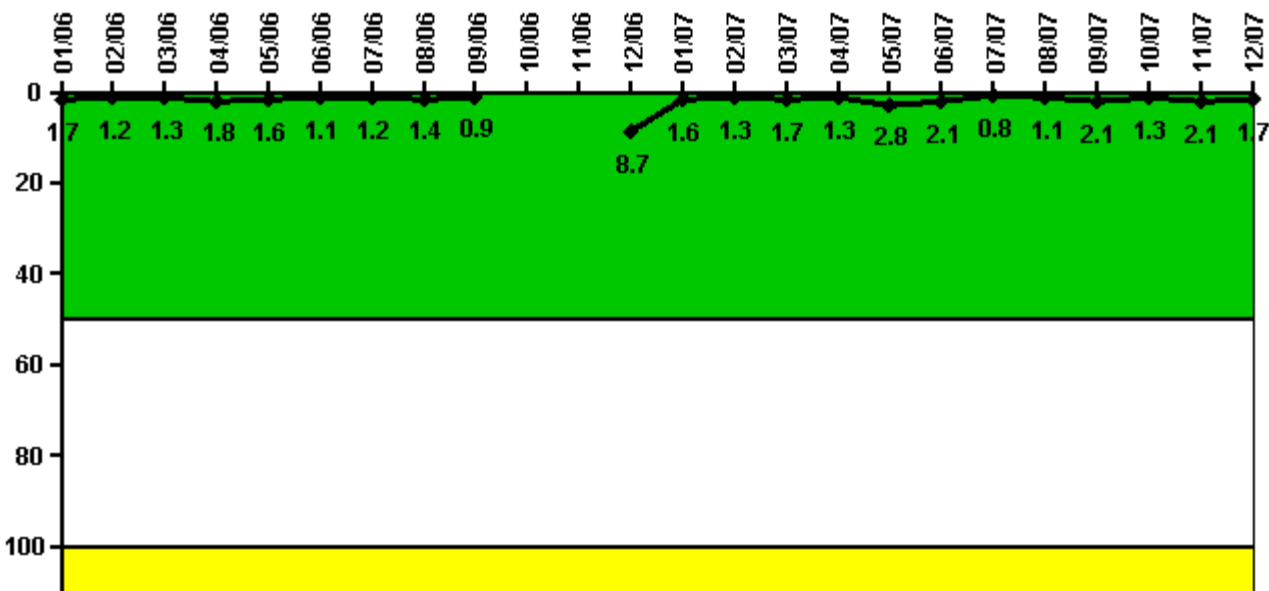
Notes

| Reactor Coolant System Activity | 1/06 | 2/06 | 3/06 | 4/06 | 5/06 | 6/06 | 7/06 | 8/06 | 9/06 | 10/06 | 11/06 | 12/06 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|-------|----------|
| Maximum activity | 0.010400 | 0.011100 | 0.010700 | 0.017300 | 0.011000 | 0.011300 | 0.011400 | 0.011800 | 0.011300 | N/A | N/A | 0.004720 |
| 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 | 1.0 | 1.1 | 1.1 | 1.7 | 1.1 | 1.1 | 1.1 | 1.2 | 1.1 | N/A | N/A | 0.5 |

| Reactor Coolant System Activity | 1/07 | 2/07 | 3/07 | 4/07 | 5/07 | 6/07 | 7/07 | 8/07 | 9/07 | 10/07 | 11/07 | 12/07 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.005150 | 0.005110 | 0.005290 | 0.005320 | 0.005560 | 0.005730 | 0.005480 | 0.006190 | 0.005910 | 0.005710 | 0.005660 | 0.005690 |
| 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 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

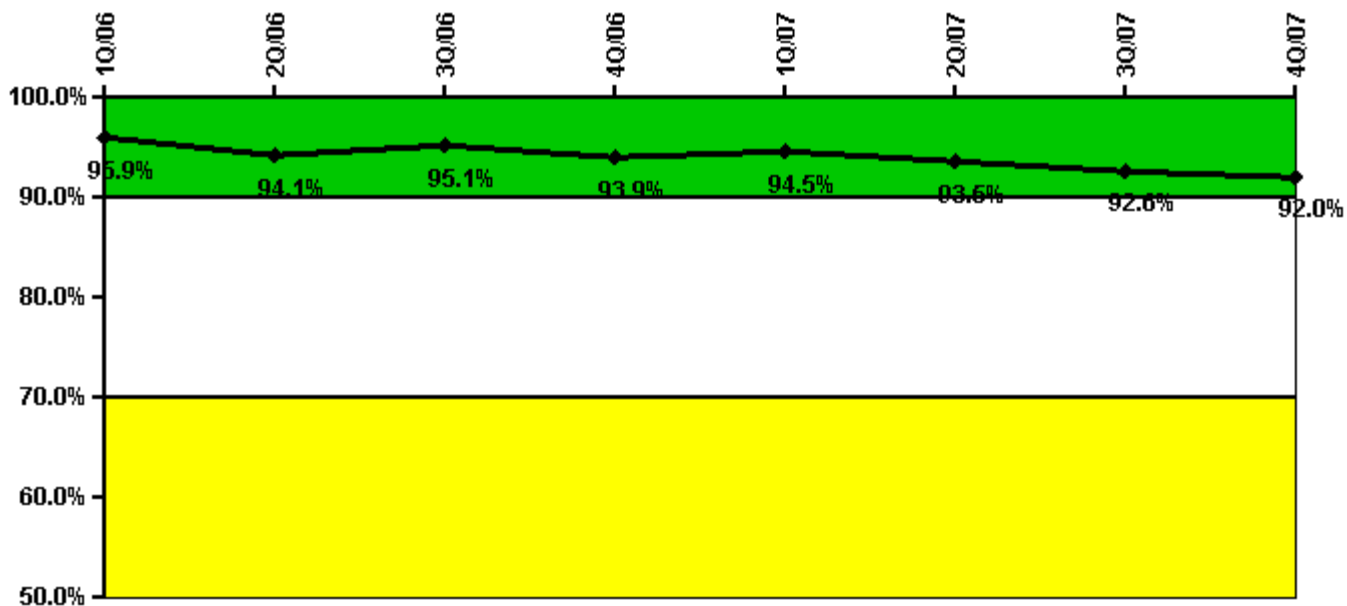
Notes

| Reactor Coolant System Leakage | 1/06 | 2/06 | 3/06 | 4/06 | 5/06 | 6/06 | 7/06 | 8/06 | 9/06 | 10/06 | 11/06 | 12/06 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.167 | 0.124 | 0.134 | 0.184 | 0.157 | 0.111 | 0.121 | 0.140 | 0.094 | N/A | N/A | 0.866 |
| 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 | 1.7 | 1.2 | 1.3 | 1.8 | 1.6 | 1.1 | 1.2 | 1.4 | 0.9 | N/A | N/A | 8.7 |

| Reactor Coolant System Leakage | 1/07 | 2/07 | 3/07 | 4/07 | 5/07 | 6/07 | 7/07 | 8/07 | 9/07 | 10/07 | 11/07 | 12/07 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.155 | 0.128 | 0.169 | 0.127 | 0.277 | 0.205 | 0.082 | 0.113 | 0.205 | 0.128 | 0.206 | 0.172 |
| 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 | 1.6 | 1.3 | 1.7 | 1.3 | 2.8 | 2.1 | 0.8 | 1.1 | 2.1 | 1.3 | 2.1 | 1.7 |

Licensee Comments: none

Drill/Exercise Performance



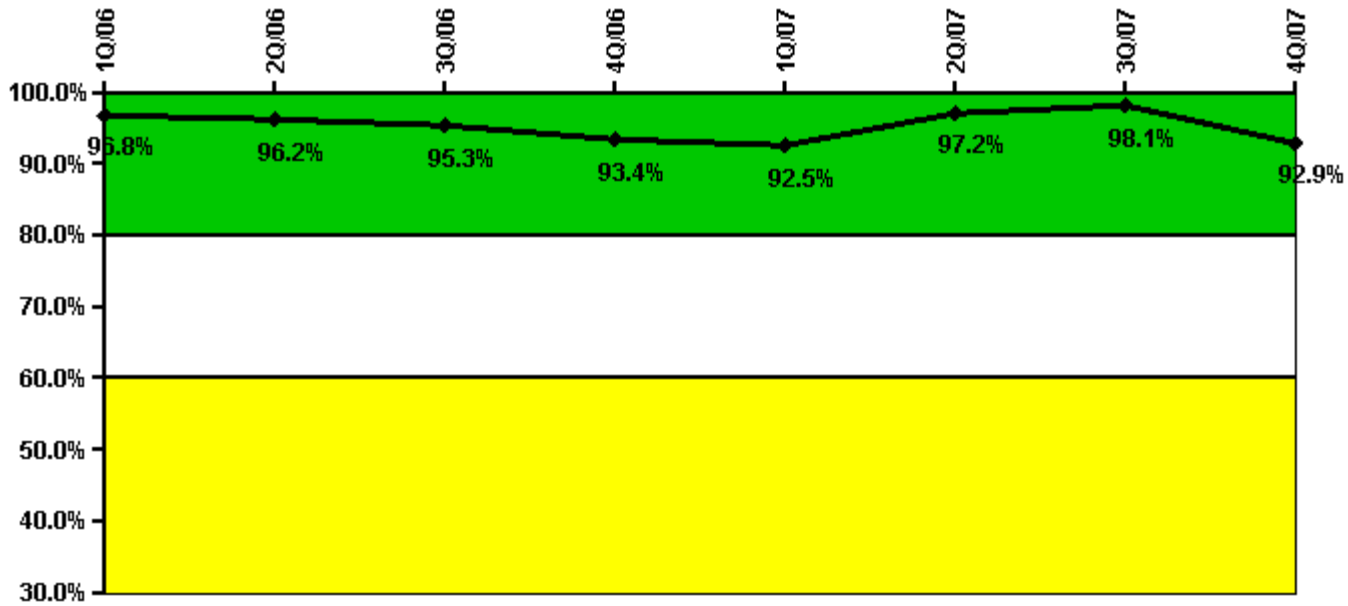
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Successful opportunities | 17.0 | 31.0 | 27.0 | 0 | 31.0 | 20.0 | 11.0 | 12.0 |
| Total opportunities | 19.0 | 36.0 | 27.0 | 0 | 32.0 | 23.0 | 12.0 | 13.0 |
| | | | | | | | | |
| Indicator value | 95.9% | 94.1% | 95.1% | 93.9% | 94.5% | 93.5% | 92.6% | 92.0% |

Licensee Comments: none

ERO Drill Participation



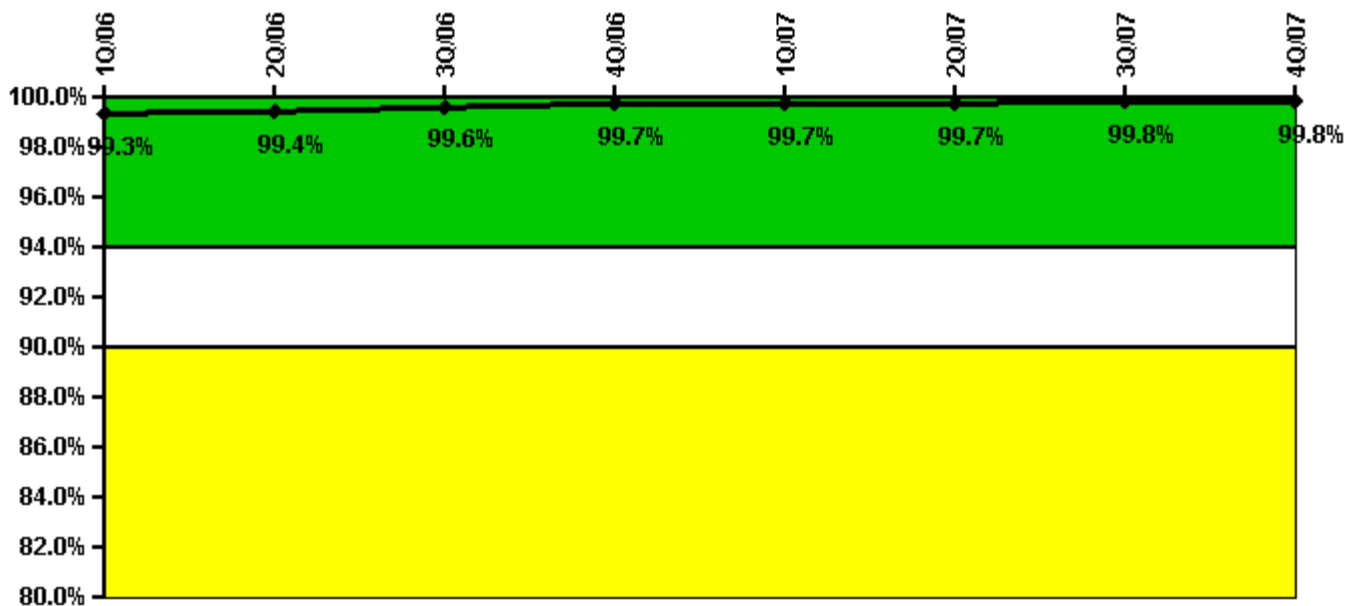
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Participating Key personnel | 90.0 | 100.0 | 101.0 | 99.0 | 99.0 | 106.0 | 102.0 | 91.0 |
| Total Key personnel | 93.0 | 104.0 | 106.0 | 106.0 | 107.0 | 109.0 | 104.0 | 98.0 |
| | | | | | | | | |
| Indicator value | 96.8% | 96.2% | 95.3% | 93.4% | 92.5% | 97.2% | 98.1% | 92.9% |

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Successful siren-tests | 807 | 706 | 903 | 706 | 807 | 706 | 906 | 806 |
| Total sirens-tests | 808 | 707 | 909 | 707 | 808 | 707 | 909 | 808 |
| | | | | | | | | |
| Indicator value | 99.3% | 99.4% | 99.6% | 99.7% | 99.7% | 99.7% | 99.8% | 99.8% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



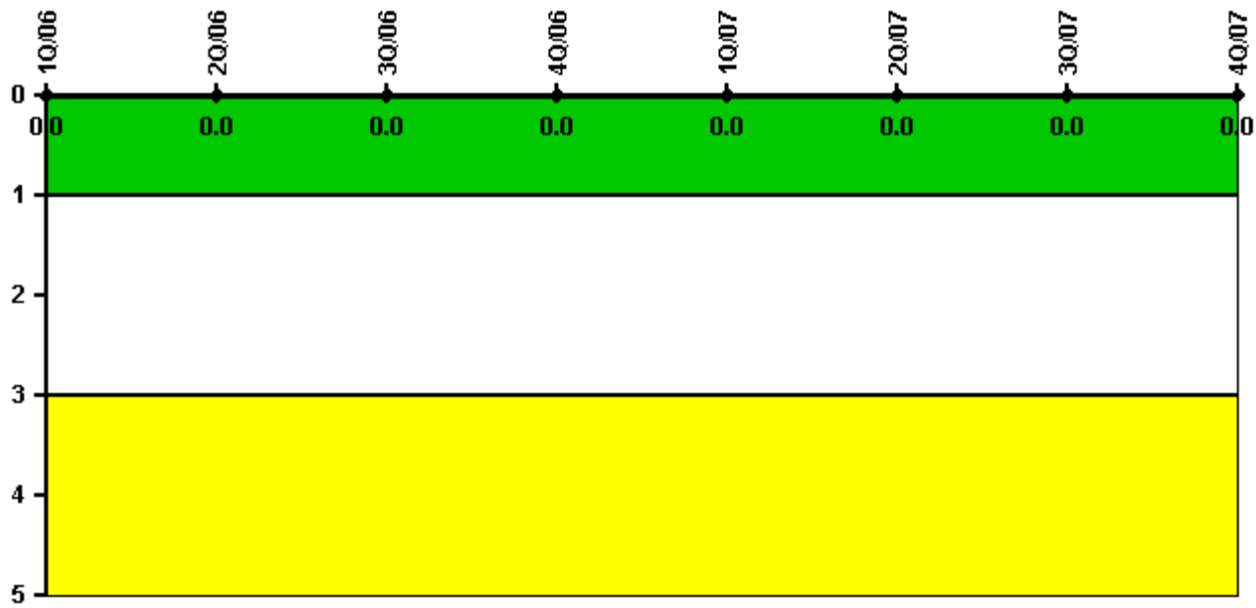
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

[Physical Protection](#) information not publicly available.

▲ [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: February 4, 2008