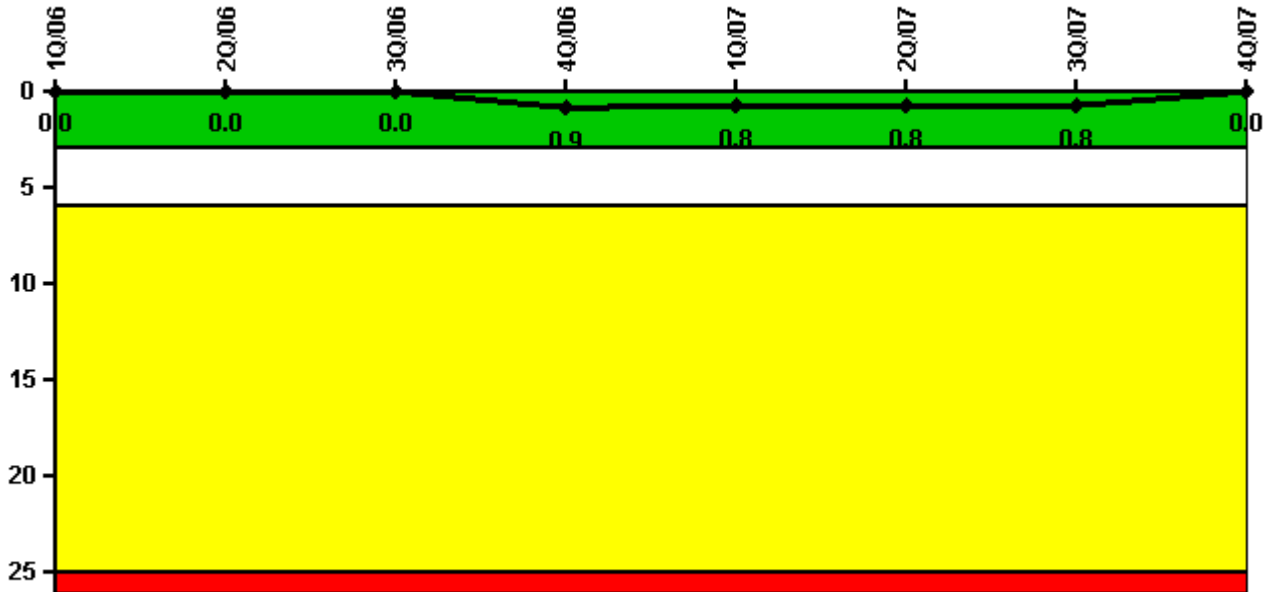


Calvert Cliffs 1

4Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



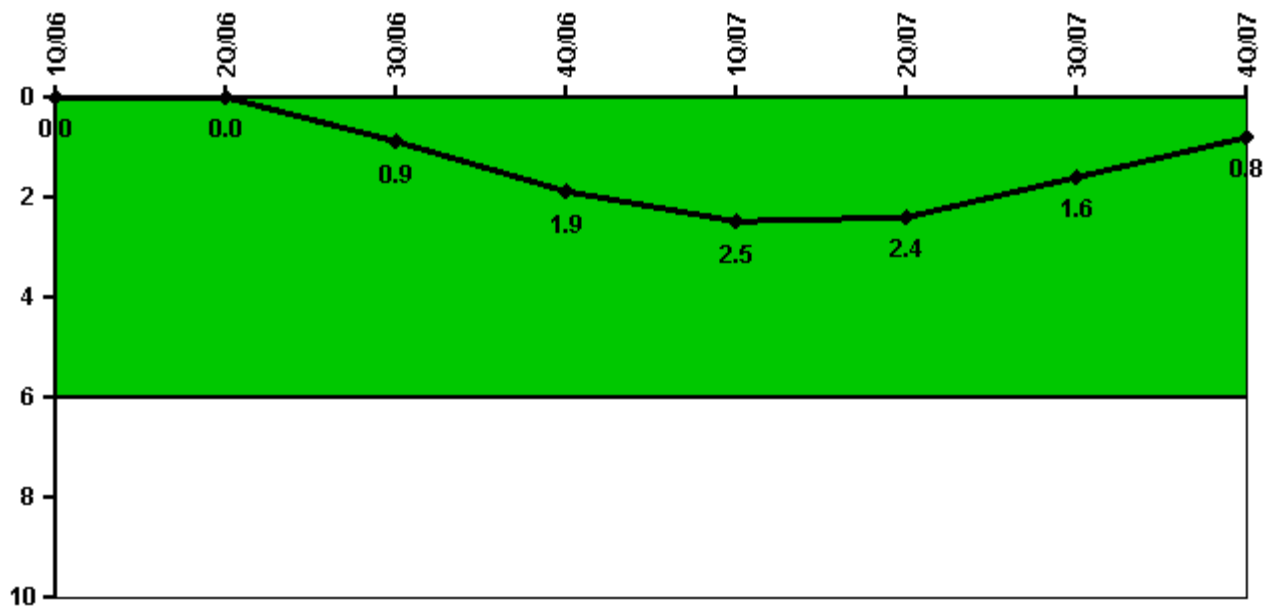
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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 | 1.0 | 0 | 0 | 0 | 0 |
| Critical hours | 1221.1 | 1955.6 | 2208.0 | 2089.4 | 2159.0 | 2184.0 | 2208.0 | 2209.0 |
| Indicator value | 0 | 0 | 0 | 0.9 | 0.8 | 0.8 | 0.8 | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



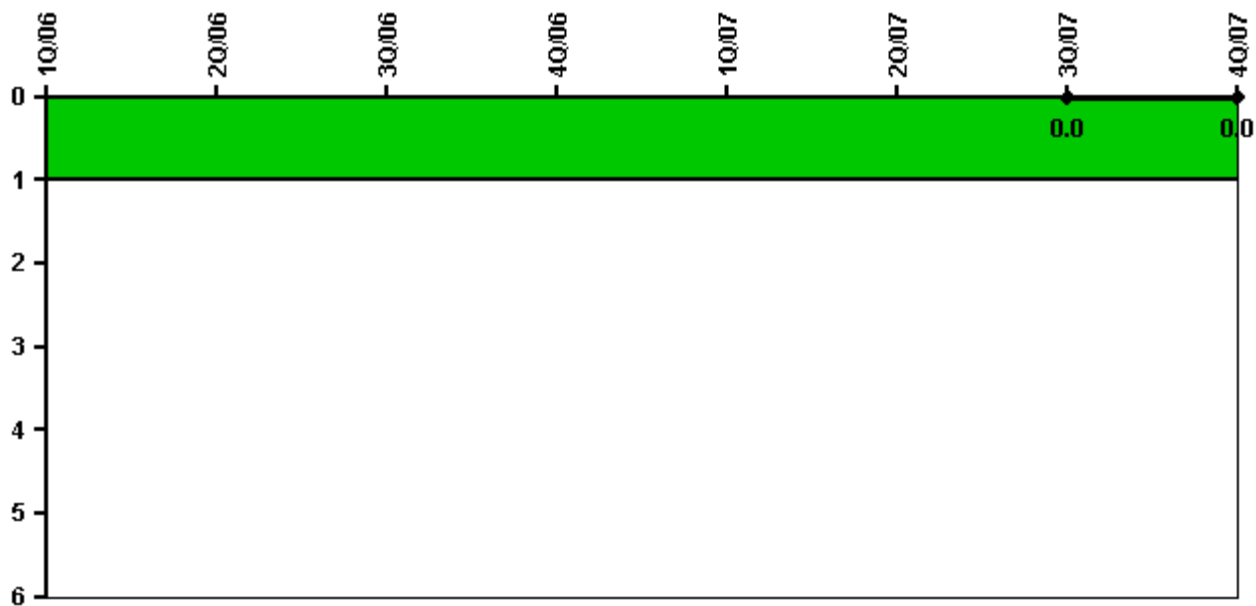
Thresholds: White > 6.0

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 | 1.0 | 1.0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 1221.1 | 1955.6 | 2208.0 | 2089.4 | 2159.0 | 2184.0 | 2208.0 | 2209.0 |
| Indicator value | 0 | 0 | 0.9 | 1.9 | 2.5 | 2.4 | 1.6 | 0.8 |

Licensee Comments: none

Unplanned Scrams with Complications



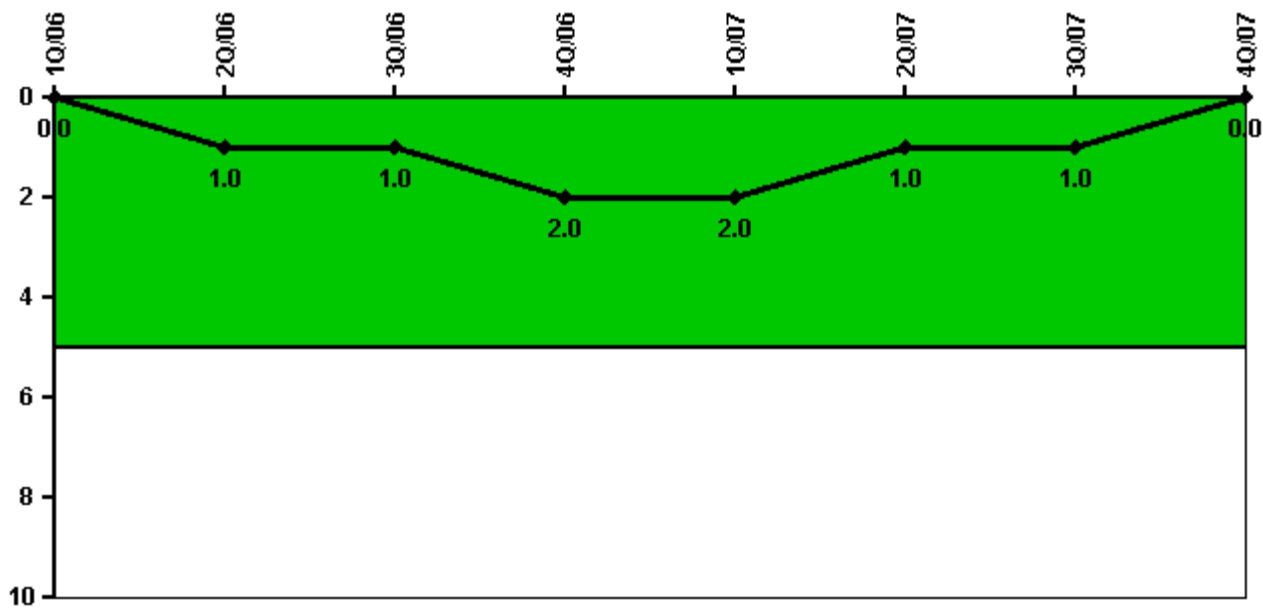
Thresholds: White > 1.0

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)



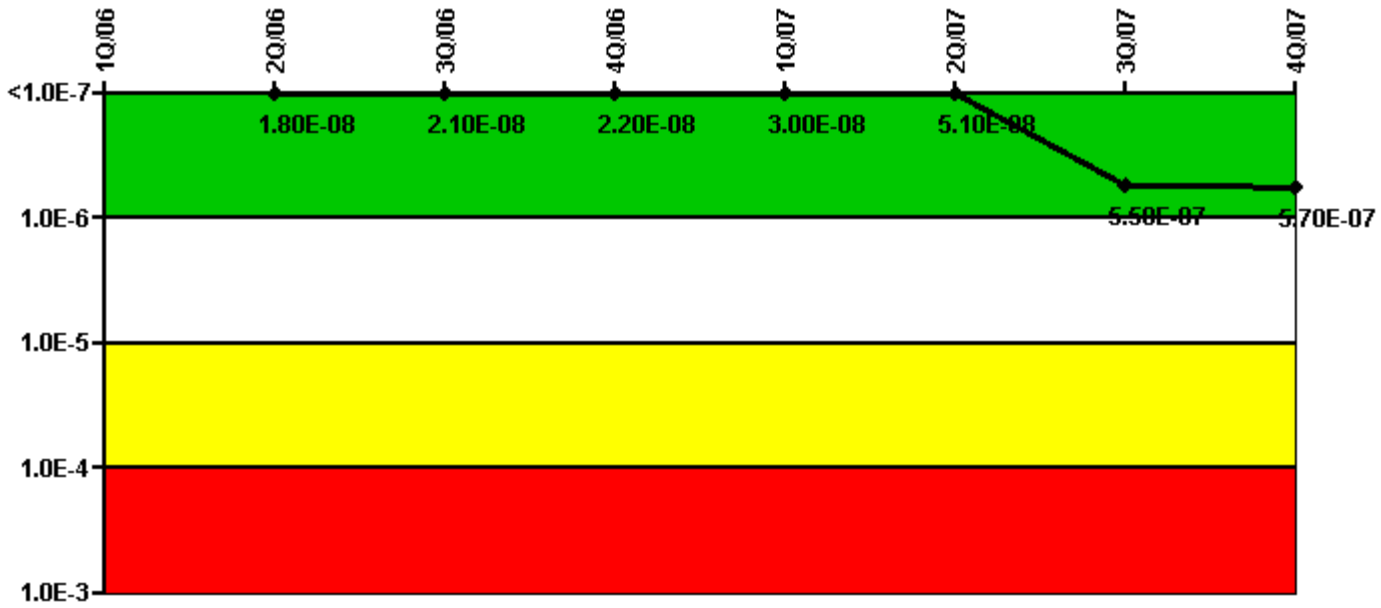
Thresholds: White > 5.0

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 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Indicator value | 0 | 1 | 1 | 2 | 2 | 1 | 1 | 0 |

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



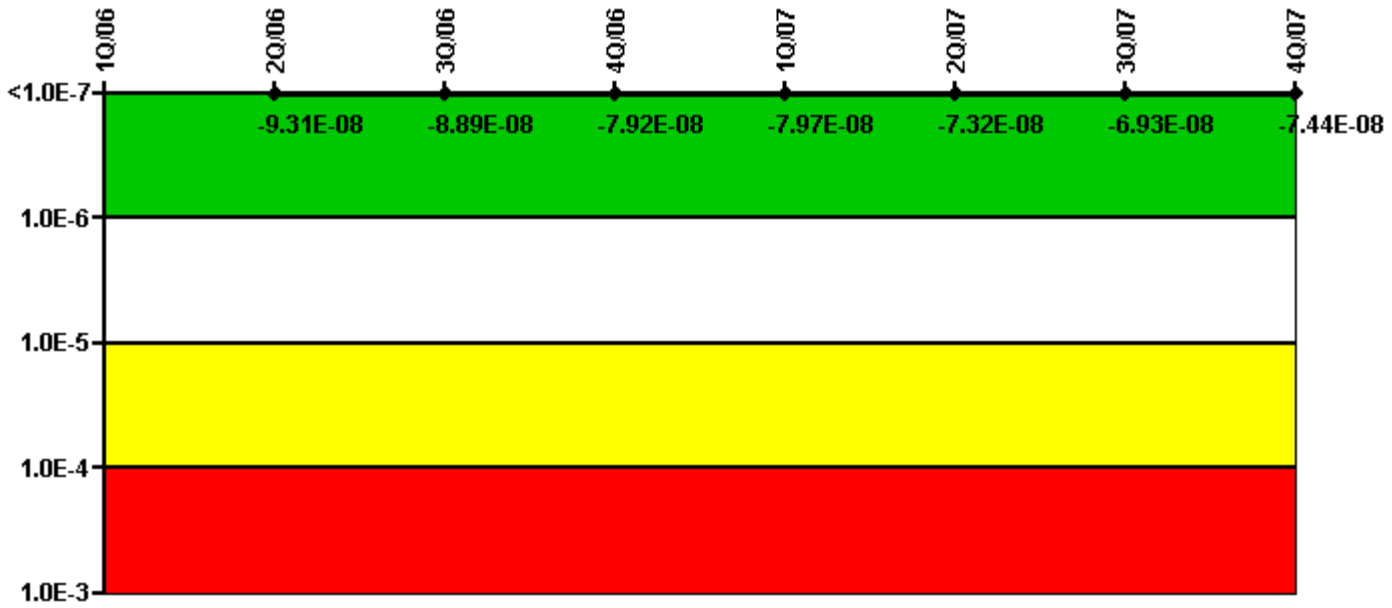
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---|-------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| UAI (ΔCDF) | | 4.80E-08 | 5.10E-08 | 5.30E-08 | 5.50E-08 | 7.00E-08 | 2.10E-07 | 2.50E-07 |
| URI (ΔCDF) | | -3.00E-08 | -3.00E-08 | -3.10E-08 | -2.50E-08 | -1.90E-08 | 3.40E-07 | 3.20E-07 |
| PLE | | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | | 1.80E-08 | 2.10E-08 | 2.20E-08 | 3.00E-08 | 5.10E-08 | 5.50E-07 | 5.70E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



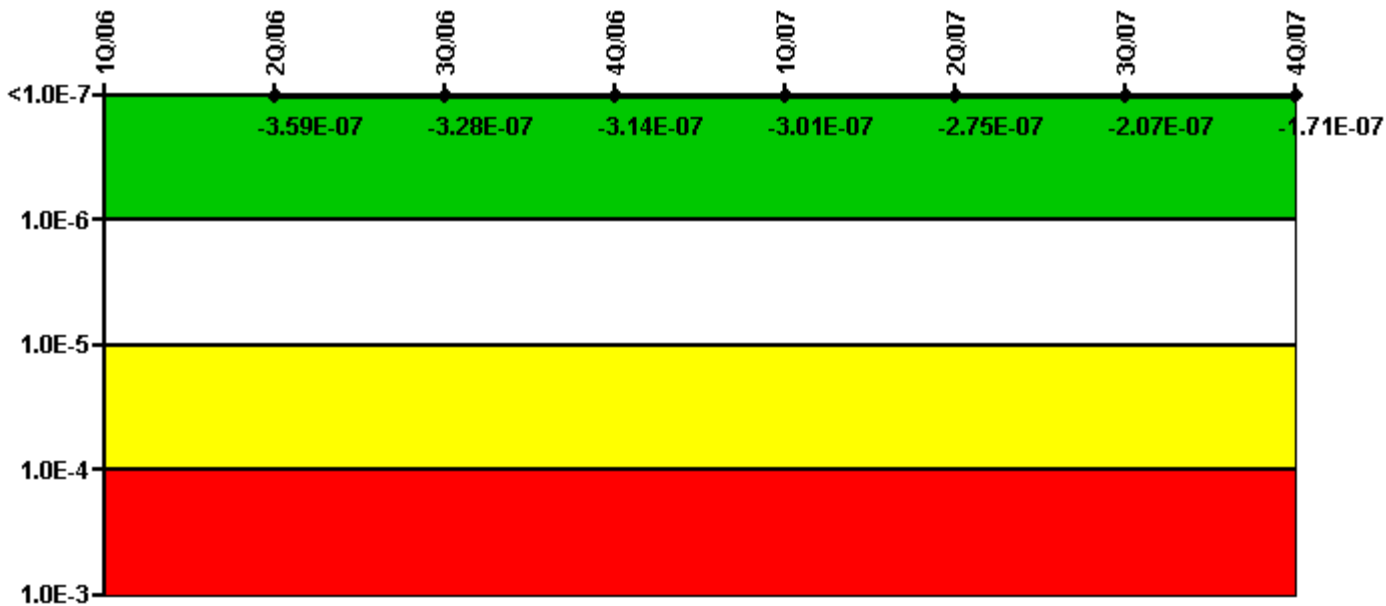
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF) | | -6.10E-09 | -5.90E-09 | 5.80E-09 | 7.30E-09 | 2.80E-09 | 3.70E-09 | 4.60E-09 |
| URI (Δ CDF) | | -8.70E-08 | -8.30E-08 | -8.50E-08 | -8.70E-08 | -7.60E-08 | -7.30E-08 | -7.90E-08 |
| PLE | | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | | -9.31E-08 | -8.89E-08 | -7.92E-08 | -7.97E-08 | -7.32E-08 | -6.93E-08 | -7.44E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



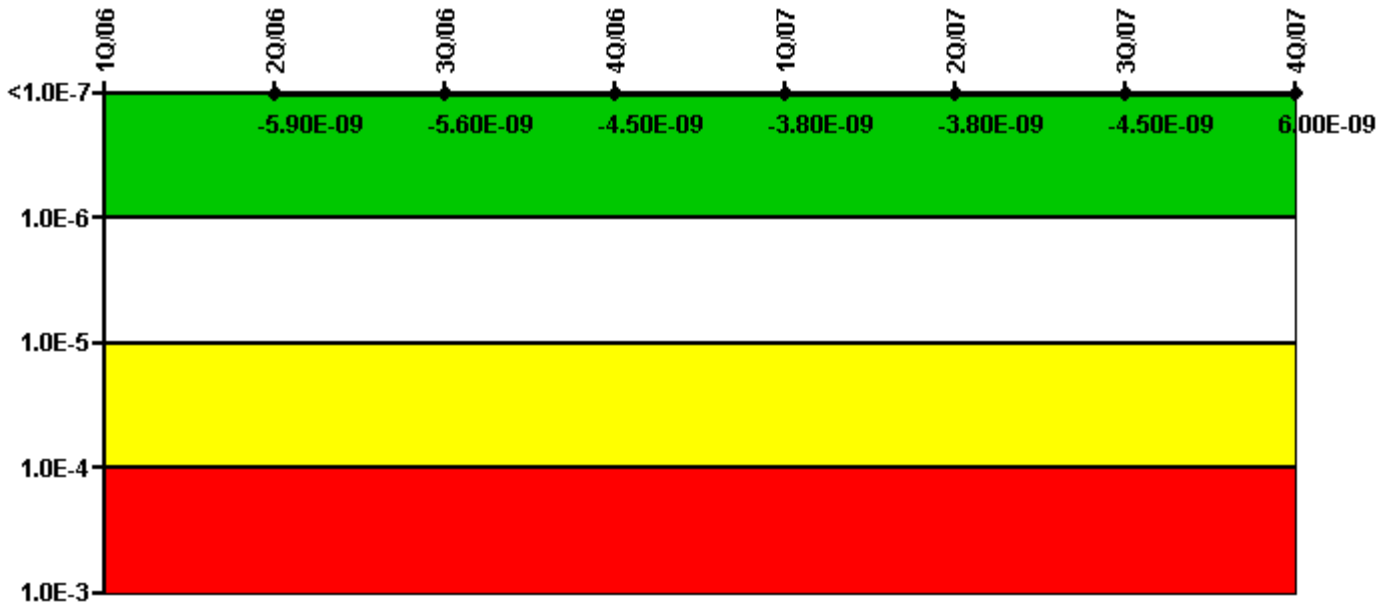
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

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) | | $-6.90E-08$ | $-4.80E-08$ | $-3.40E-08$ | $-2.10E-08$ | $-1.50E-08$ | $5.30E-08$ | $8.90E-08$ |
| URI (Δ CDF) | | $-2.90E-07$ | $-2.80E-07$ | $-2.80E-07$ | $-2.80E-07$ | $-2.60E-07$ | $-2.60E-07$ | $-2.60E-07$ |
| PLE | | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | | $-3.59E-07$ | $-3.28E-07$ | $-3.14E-07$ | $-3.01E-07$ | $-2.75E-07$ | $-2.07E-07$ | $-1.71E-07$ |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



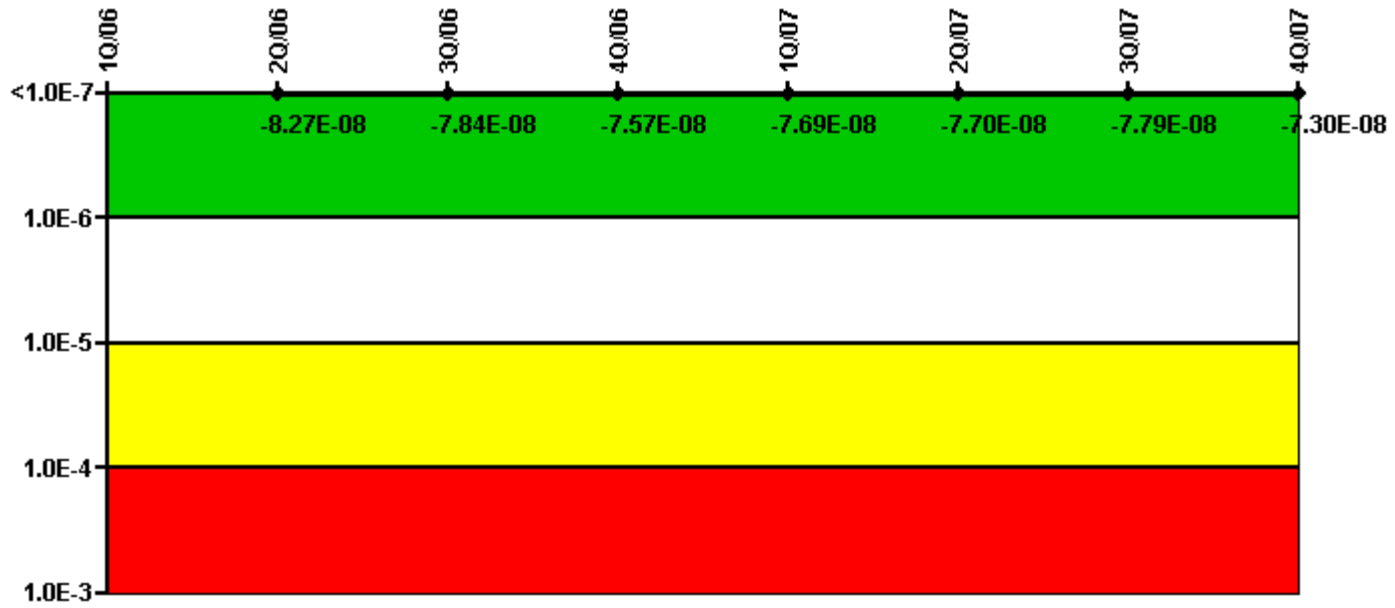
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF) | | -8.70E-09 | -8.20E-09 | -6.90E-09 | -5.90E-09 | -6.40E-09 | -7.00E-09 | 3.70E-09 |
| URI (Δ CDF) | | 2.80E-09 | 2.60E-09 | 2.40E-09 | 2.10E-09 | 2.60E-09 | 2.50E-09 | 2.30E-09 |
| PLE | | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | | -5.90E-09 | -5.60E-09 | -4.50E-09 | -3.80E-09 | -3.80E-09 | -4.50E-09 | 6.00E-09 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



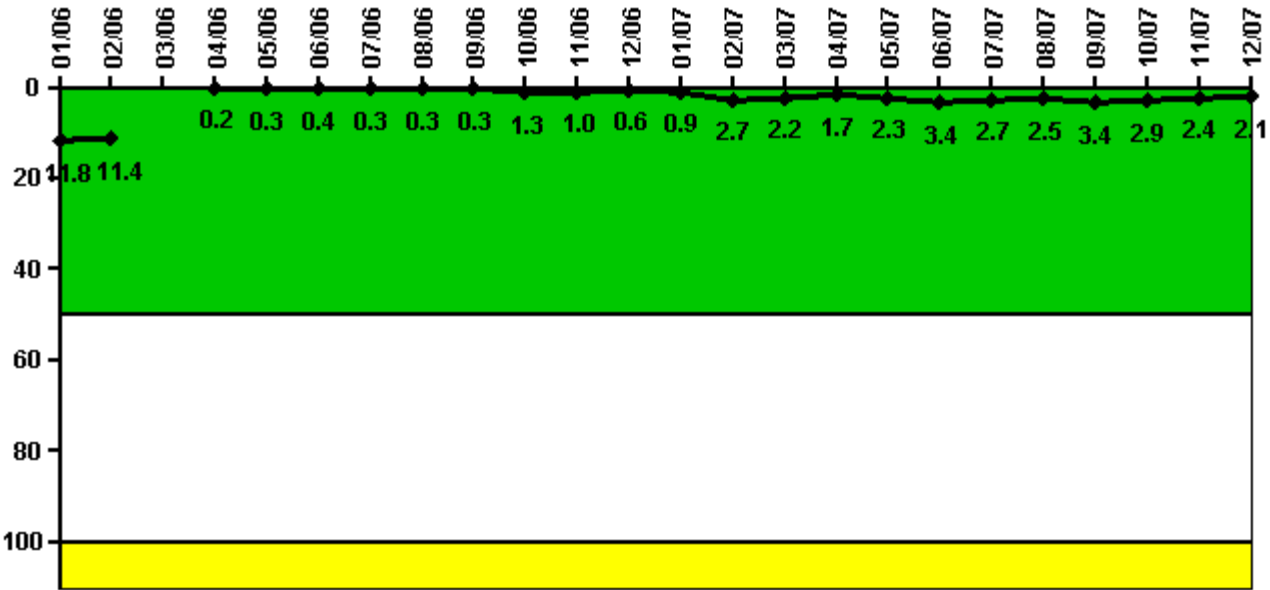
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

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 (Δ CDF) | | $2.30E-09$ | $6.60E-09$ | $9.30E-09$ | $8.10E-09$ | $7.00E-09$ | $6.10E-09$ | $1.10E-08$ |
| URI (Δ CDF) | | $-8.50E-08$ | $-8.50E-08$ | $-8.50E-08$ | $-8.50E-08$ | $-8.40E-08$ | $-8.40E-08$ | $-8.40E-08$ |
| PLE | | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | | $-8.27E-08$ | $-7.84E-08$ | $-7.57E-08$ | $-7.69E-08$ | $-7.70E-08$ | $-7.79E-08$ | $-7.30E-08$ |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

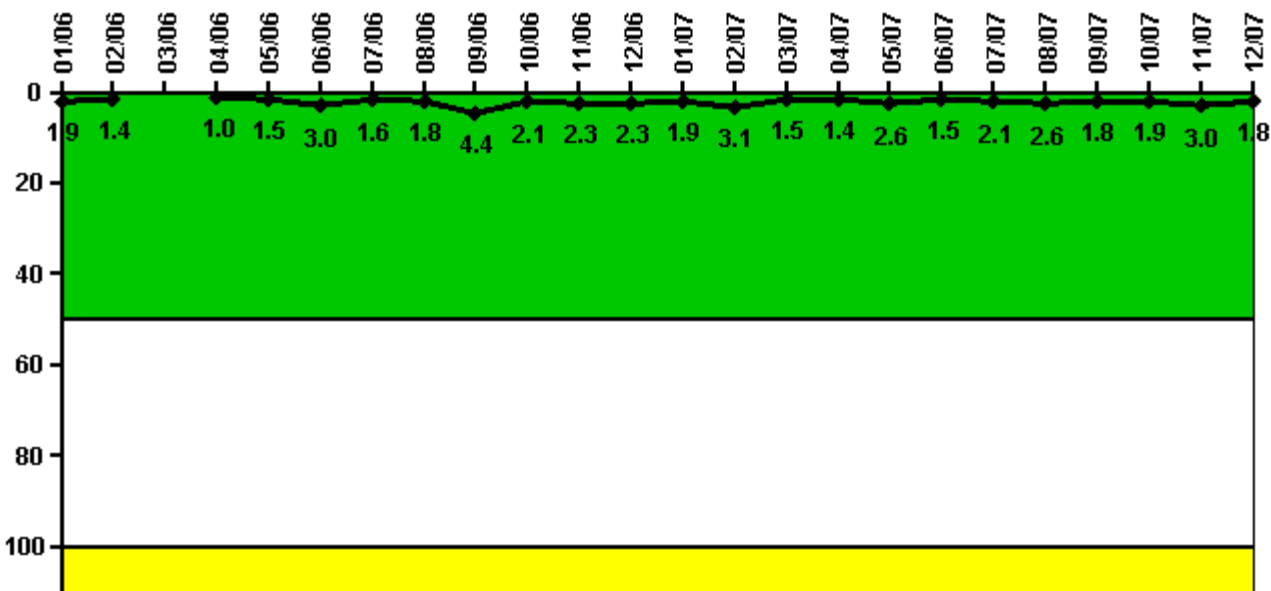
Notes

| 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 | 0.118000 | 0.114000 | N/A | 0.002340 | 0.003210 | 0.003550 | 0.003310 | 0.002930 | 0.003200 | 0.012700 | 0.009800 | 0.005640 |
| 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 | 11.8 | 11.4 | N/A | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 0.3 | 1.3 | 1.0 | 0.6 |

| 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 | 0.009200 | 0.027300 | 0.022400 | 0.017300 | 0.023100 | 0.033900 | 0.026600 | 0.024600 | 0.033800 | 0.028600 | 0.023700 | 0.021100 |
| 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 | 0.9 | 2.7 | 2.2 | 1.7 | 2.3 | 3.4 | 2.7 | 2.5 | 3.4 | 2.9 | 2.4 | 2.1 |

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

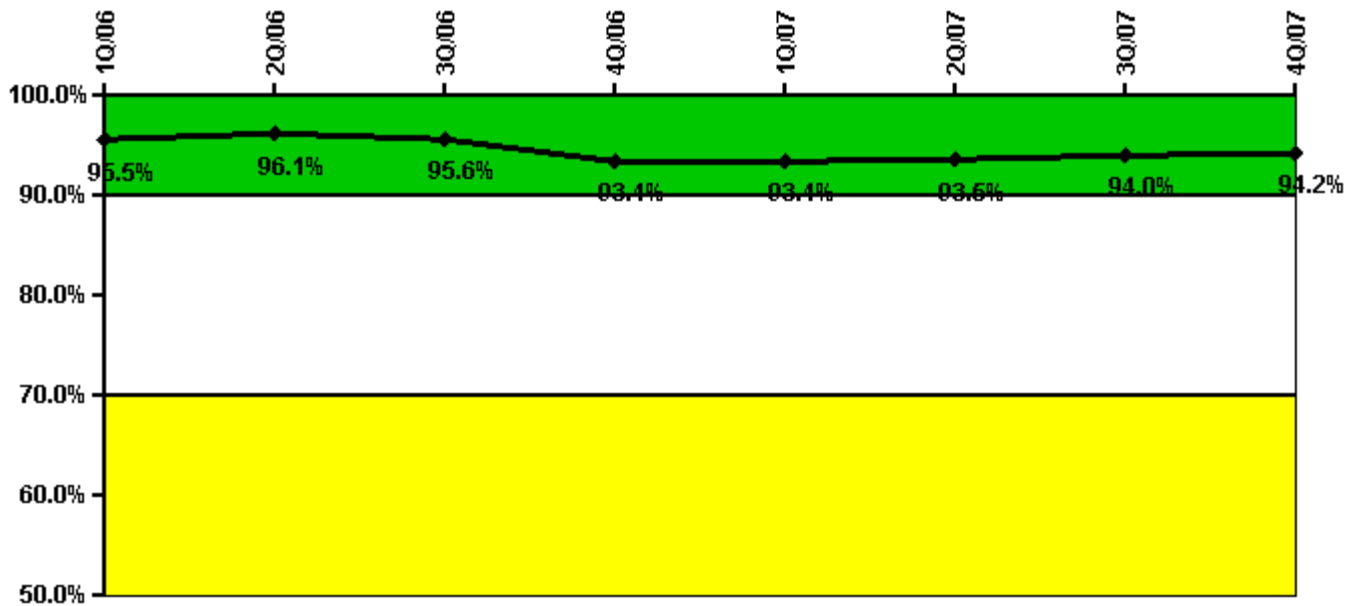
Notes

| 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 | 0.189 | 0.135 | N/A | 0.098 | 0.149 | 0.298 | 0.161 | 0.178 | 0.436 | 0.213 | 0.230 | 0.230 |
| 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 | 1.9 | 1.4 | N/A | 1.0 | 1.5 | 3.0 | 1.6 | 1.8 | 4.4 | 2.1 | 2.3 | 2.3 |

| 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 | 0.193 | 0.306 | 0.150 | 0.140 | 0.260 | 0.150 | 0.210 | 0.260 | 0.180 | 0.190 | 0.299 | 0.180 |
| 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 | 1.9 | 3.1 | 1.5 | 1.4 | 2.6 | 1.5 | 2.1 | 2.6 | 1.8 | 1.9 | 3.0 | 1.8 |

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

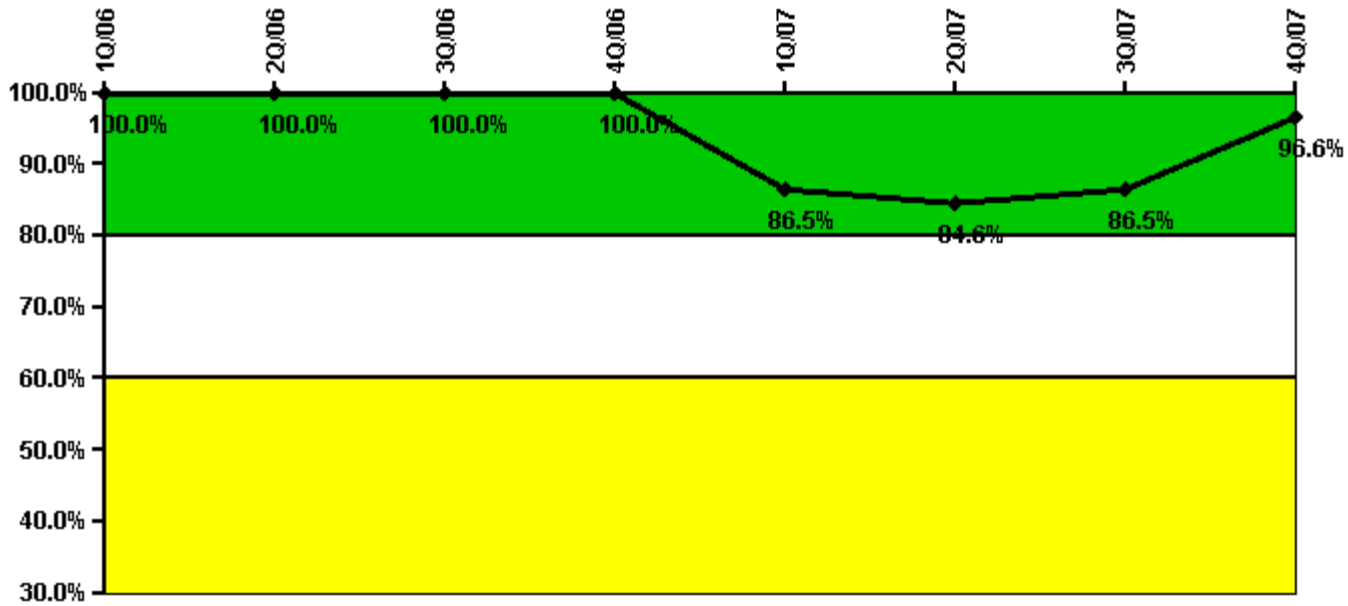
Notes

| Drill/Exercise Performance | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 4.0 | 58.0 | 56.0 | 78.0 | 3.0 | 21.0 | 36.0 | 69.0 |
| Total opportunities | 4.0 | 59.0 | 60.0 | 90.0 | 3.0 | 22.0 | 36.0 | 71.0 |
| | | | | | | | | |
| Indicator value | 95.5% | 96.1% | 95.6% | 93.4% | 93.4% | 93.5% | 94.0% | 94.2% |

Licensee Comments:

1Q/07: EP reported 1 success out of 2 opportunities in January, whereas there were 2 successes out of 3. During 1Q 08, EP submitted a new change for Jan. 07 drill successes based on FAQ 411.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

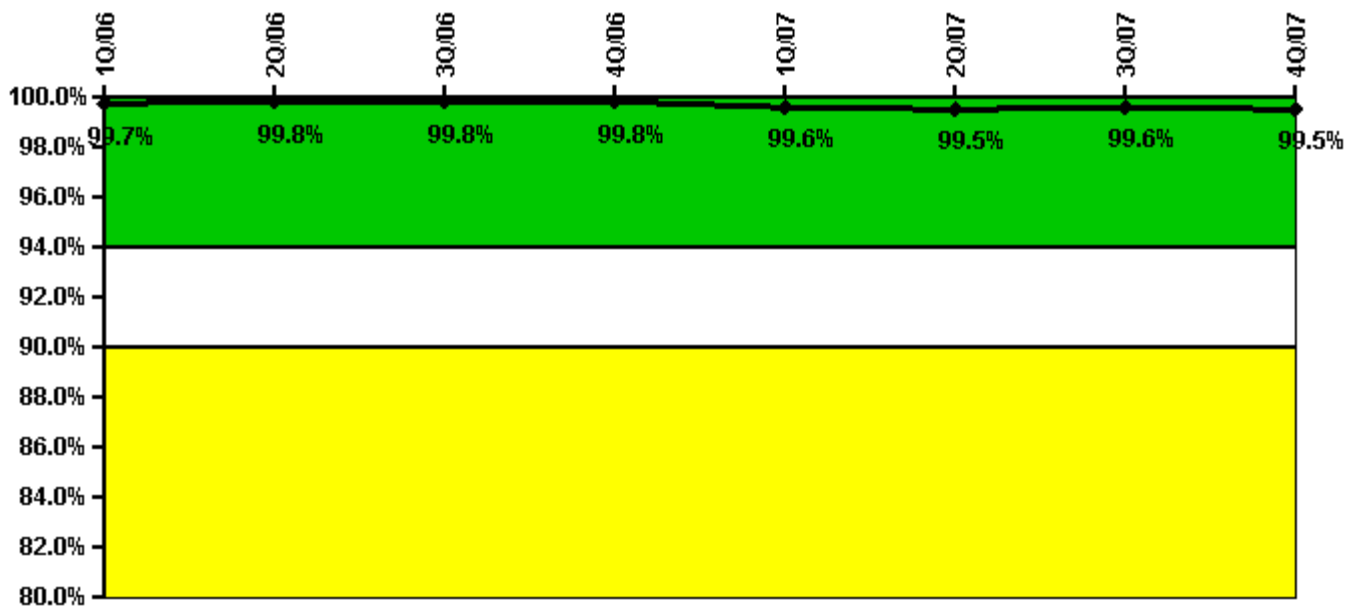
Notes

| ERO Drill Participation | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|-----------------------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|
| Participating Key personnel | 56.0 | 68.0 | 66.0 | 68.0 | 77.0 | 77.0 | 77.0 | 85.0 |
| Total Key personnel | 56.0 | 68.0 | 66.0 | 68.0 | 89.0 | 91.0 | 89.0 | 88.0 |
| | | | | | | | | |
| Indicator value | 100.0% | 100.0% | 100.0% | 100.0% | 86.5% | 84.6% | 86.5% | 96.6% |

Licensee Comments:

1Q/07: During 1Q 08, EP submitted a change for March 07 Participating Key Personnel based on FAQ 411.

Alert & Notification System



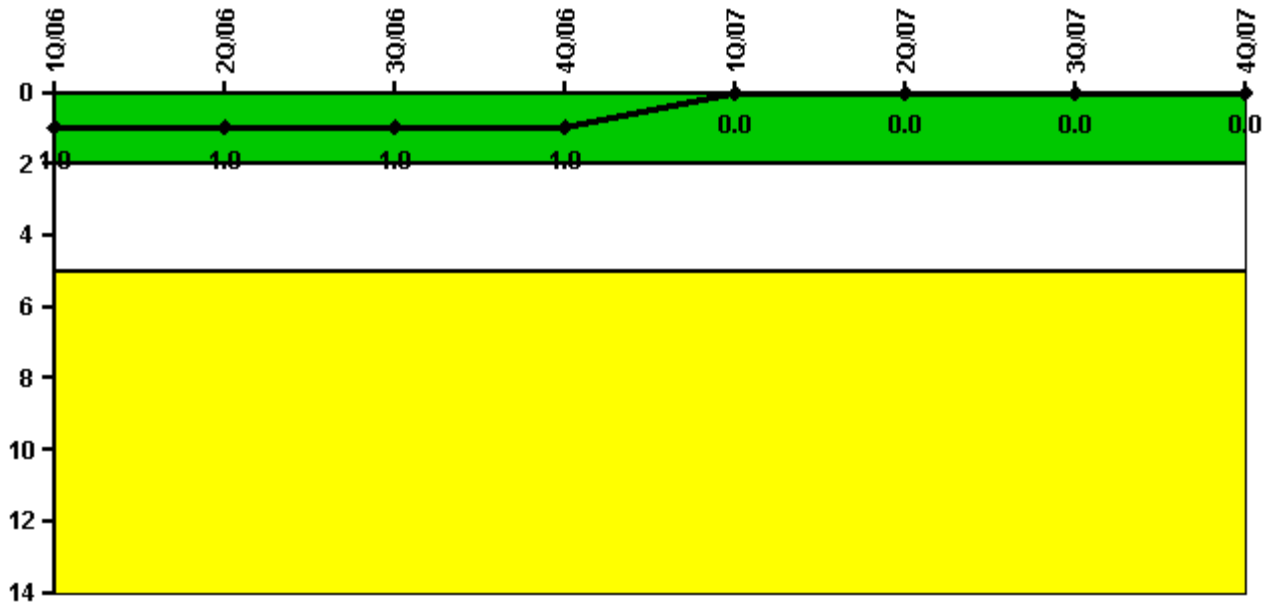
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Successful siren-tests | 947 | 948 | 946 | 948 | 940 | 944 | 947 | 1019 |
| Total sirens-tests | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 1022 |
| | | | | | | | | |
| Indicator value | 99.7% | 99.8% | 99.8% | 99.8% | 99.6% | 99.5% | 99.6% | 99.5% |

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 | 1 | 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 | 1 | 1 | 1 | 1 | 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