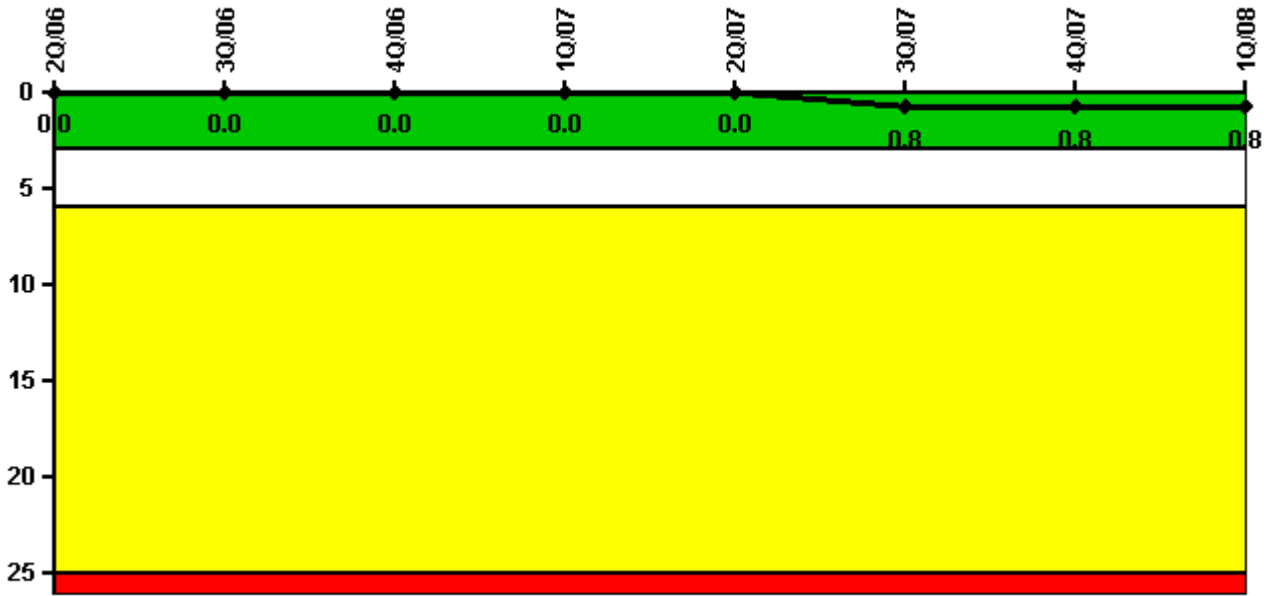


Braidwood 2

1Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



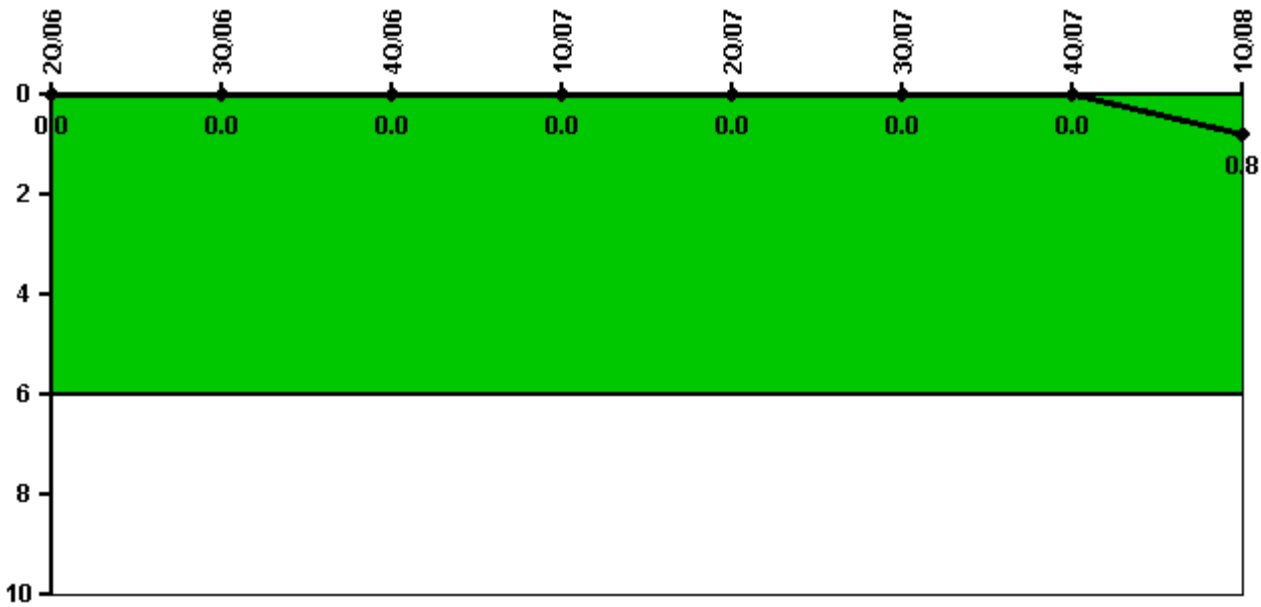
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 1800.5 | 2159.0 | 2184.0 | 2181.0 | 2209.0 | 2183.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2183.0 | 2208.0 | 1800.5 | 2159.0 | 2184.0 | 2181.0 | 2209.0 | 2183.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 |

Licensee Comments: none

Unplanned Scrams with Complications



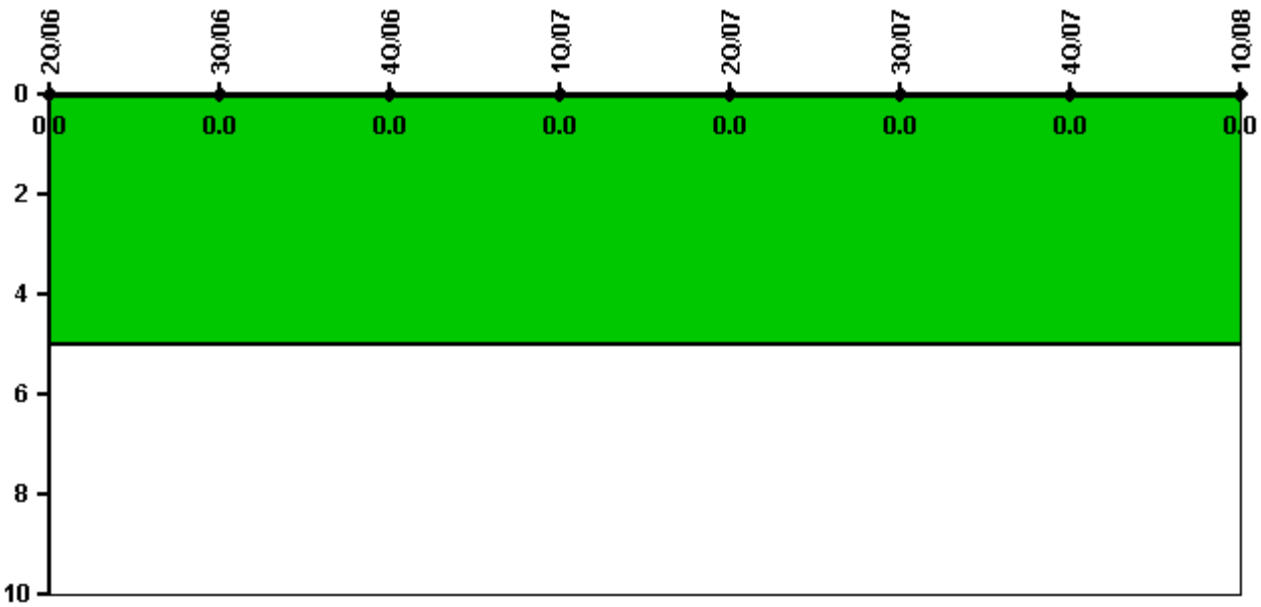
Thresholds: White > 1.0

Notes

| Unplanned Scrams with Complications | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams with complications | | | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| Indicator value | | | | | | 0.0 | 0.0 | 0.0 |

Licensee Comments: none

Safety System Functional Failures (PWR)



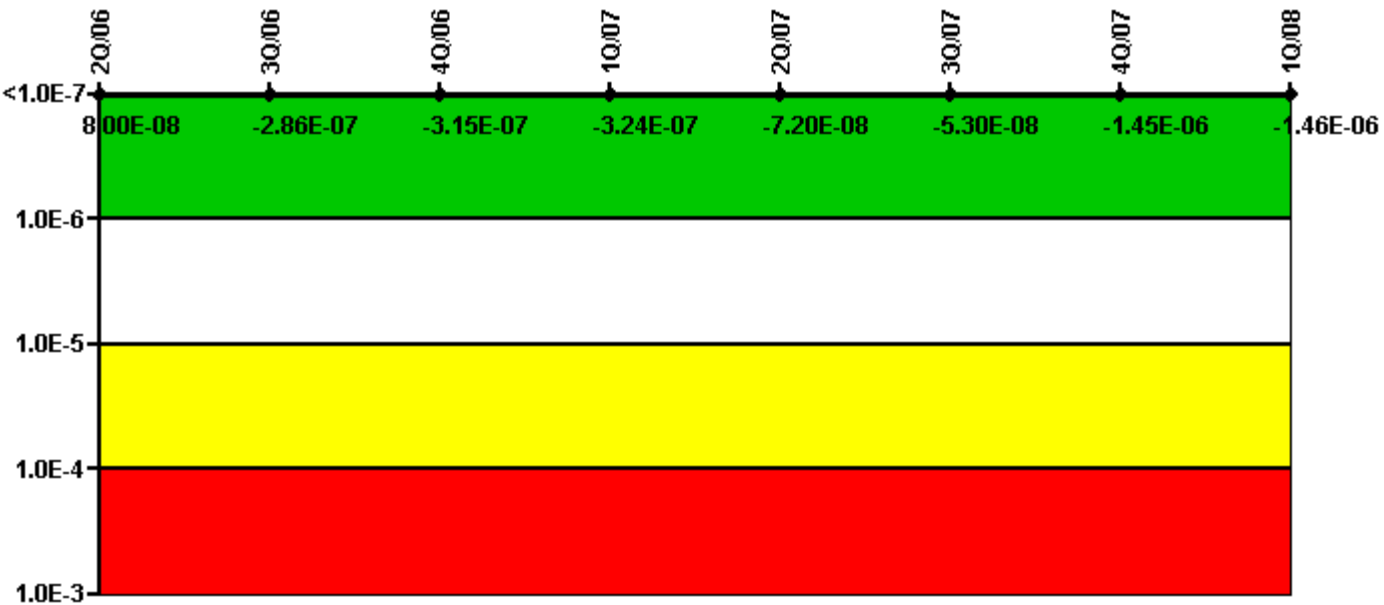
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



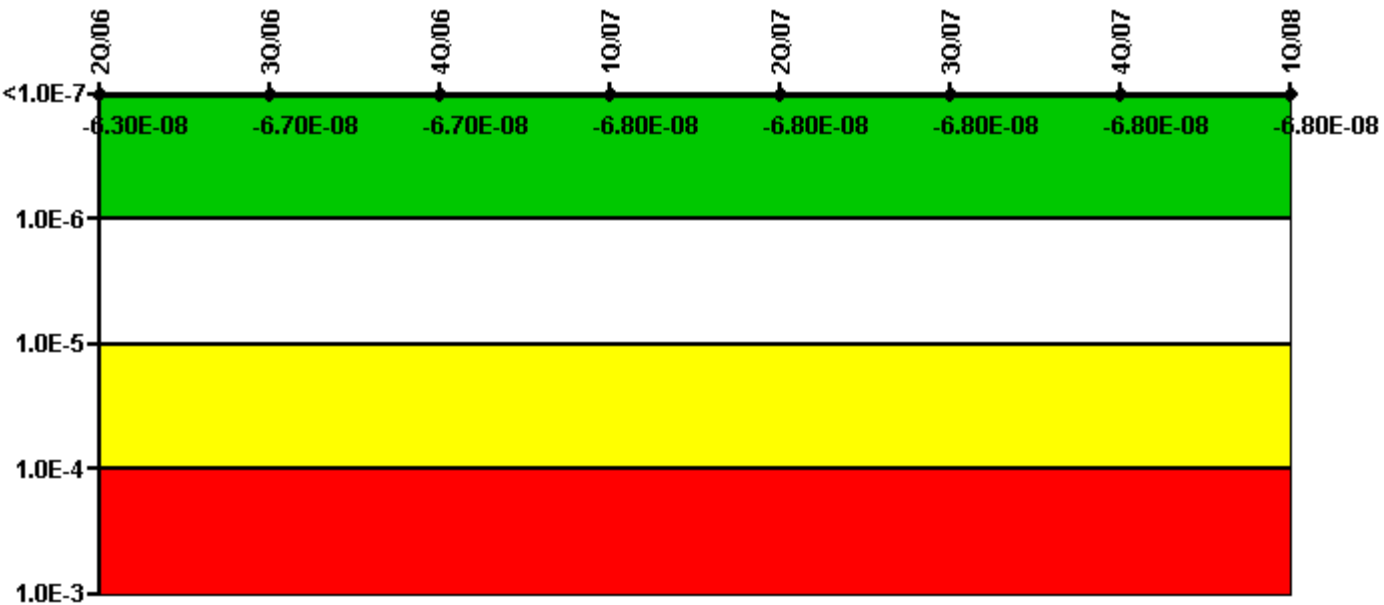
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF) | 1.60E-08 | -6.30E-09 | -4.80E-09 | -4.40E-09 | 1.30E-08 | 2.30E-08 | 4.70E-08 | 4.00E-08 |
| URI (ΔCDF) | 6.40E-08 | -2.80E-07 | -3.10E-07 | -3.20E-07 | -8.50E-08 | -7.60E-08 | -1.50E-06 | -1.50E-06 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 8.00E-08 | -2.86E-07 | -3.15E-07 | -3.24E-07 | -7.20E-08 | -5.30E-08 | -1.45E-06 | -1.46E-06 |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



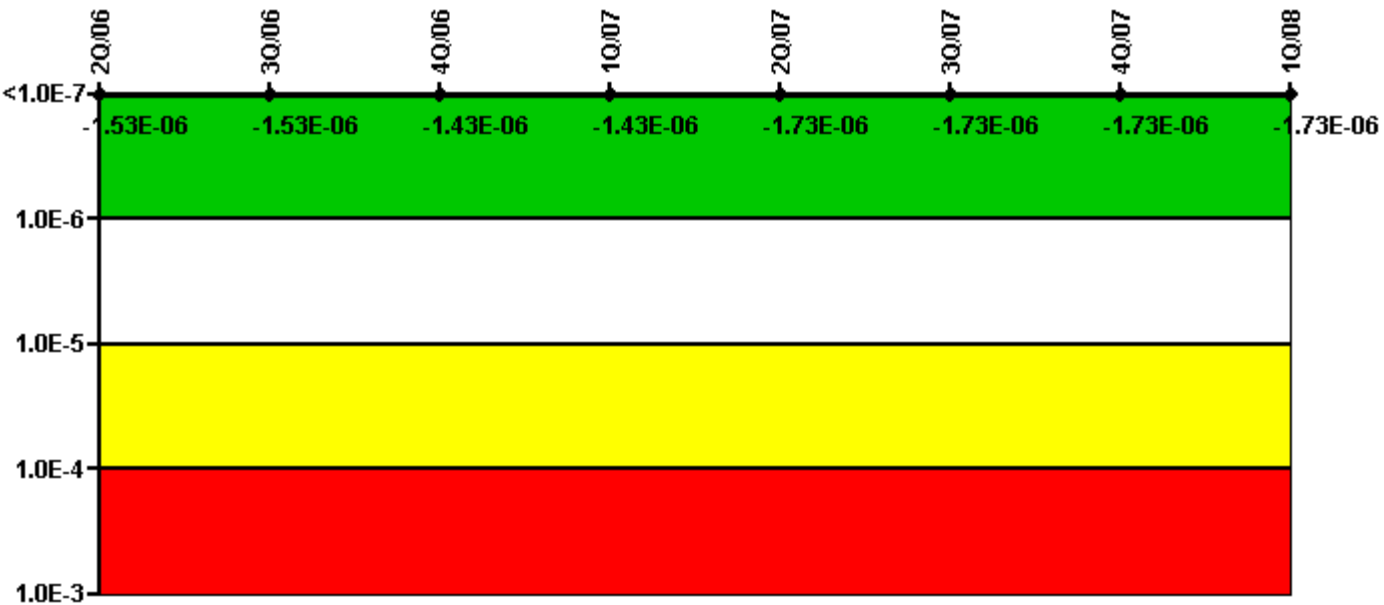
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -4.90E-08 | -5.30E-08 | -5.30E-08 | -5.40E-08 | -5.40E-08 | -5.40E-08 | -5.40E-08 | -5.40E-08 |
| URI (Δ CDF) | -1.40E-08 | -1.40E-08 | -1.40E-08 | -1.40E-08 | -1.40E-08 | -1.40E-08 | -1.40E-08 | -1.40E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -6.30E-08 | -6.70E-08 | -6.70E-08 | -6.80E-08 | -6.80E-08 | -6.80E-08 | -6.80E-08 | -6.80E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



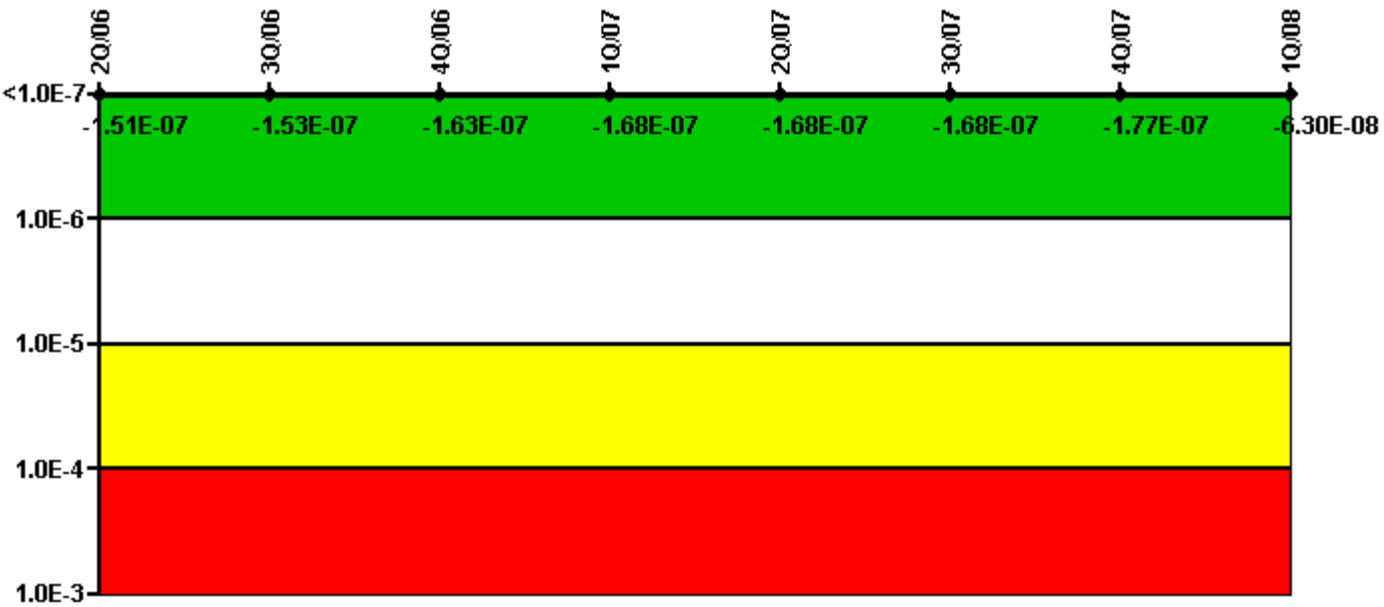
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Heat Removal System | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -3.30E-07 | -3.30E-07 | -3.30E-07 | -3.30E-07 | -6.30E-07 | -6.30E-07 | -6.30E-07 | -6.30E-07 |
| URI (Δ CDF) | -1.20E-06 | -1.20E-06 | -1.10E-06 | -1.10E-06 | -1.10E-06 | -1.10E-06 | -1.10E-06 | -1.10E-06 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.53E-06 | -1.53E-06 | -1.43E-06 | -1.43E-06 | -1.73E-06 | -1.73E-06 | -1.73E-06 | -1.73E-06 |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



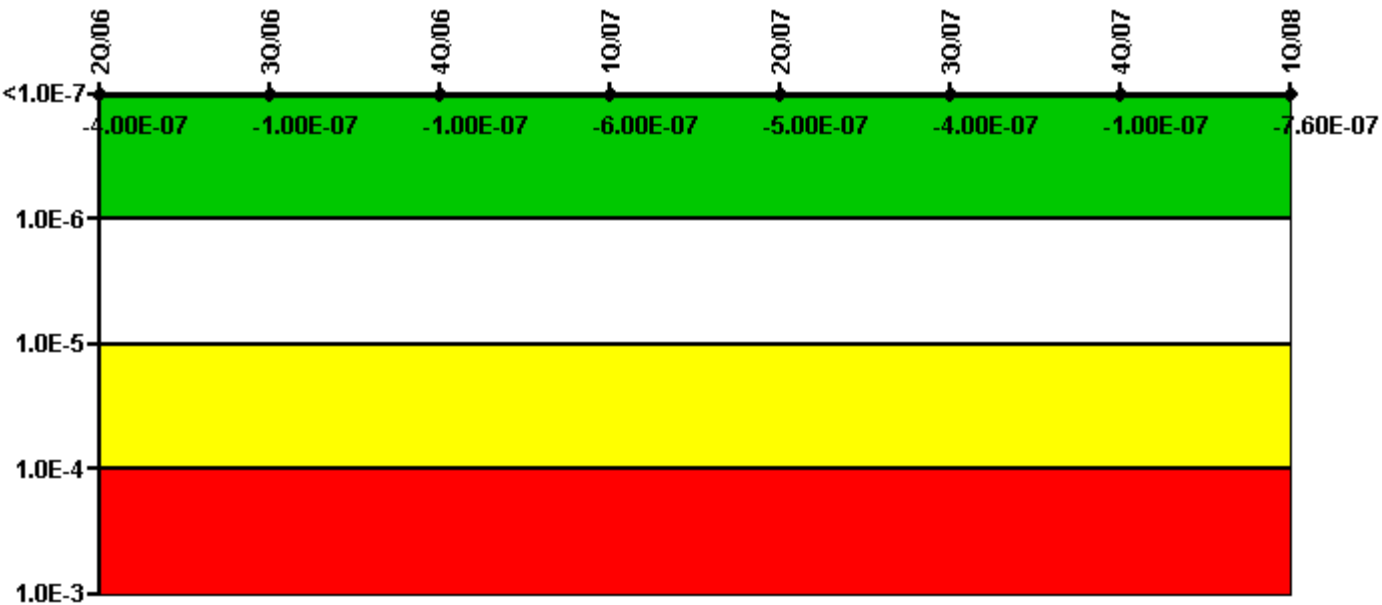
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -2.10E-08 | -3.30E-08 | -3.30E-08 | -3.80E-08 | -3.80E-08 | -3.80E-08 | -4.70E-08 | 6.70E-08 |
| URI (Δ CDF) | -1.30E-07 | -1.20E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.51E-07 | -1.53E-07 | -1.63E-07 | -1.68E-07 | -1.68E-07 | -1.68E-07 | -1.77E-07 | -6.30E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



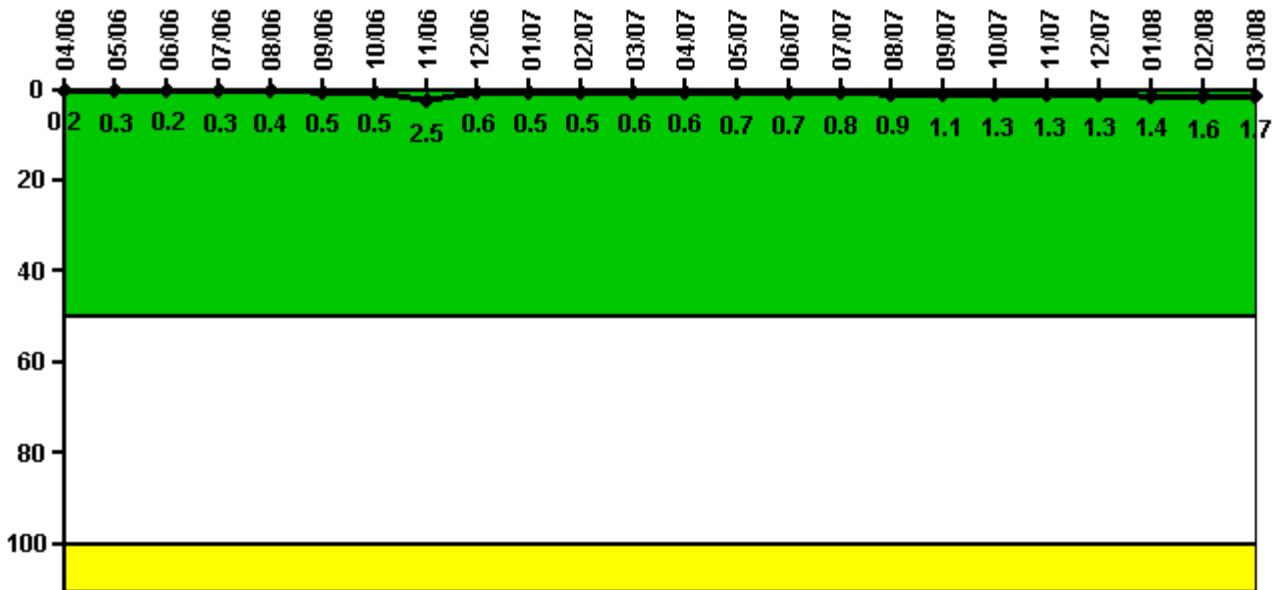
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 1.40E-06 | 1.60E-06 | 1.60E-06 | 1.00E-06 | 1.00E-06 | 1.10E-06 | 1.20E-06 | 5.40E-07 |
| URI (Δ CDF) | -1.80E-06 | -1.70E-06 | -1.70E-06 | -1.60E-06 | -1.50E-06 | -1.50E-06 | -1.30E-06 | -1.30E-06 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -4.00E-07 | -1.00E-07 | -1.00E-07 | -6.00E-07 | -5.00E-07 | -4.00E-07 | -1.00E-07 | -7.60E-07 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

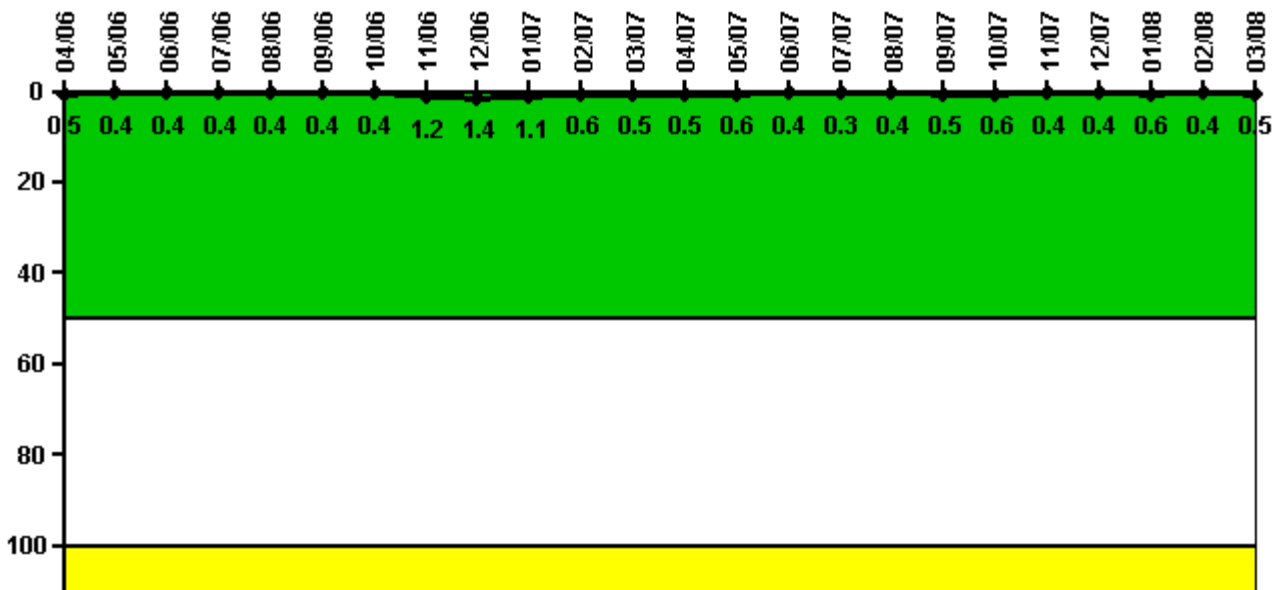
Notes

| Reactor Coolant System Activity | 4/06 | 5/06 | 6/06 | 7/06 | 8/06 | 9/06 | 10/06 | 11/06 | 12/06 | 1/07 | 2/07 | 3/07 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.001780 | 0.002530 | 0.002380 | 0.002990 | 0.004020 | 0.005010 | 0.004710 | 0.025200 | 0.005560 | 0.004961 | 0.005070 | 0.005540 |
| 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 | 0.2 | 0.3 | 0.2 | 0.3 | 0.4 | 0.5 | 0.5 | 2.5 | 0.6 | 0.5 | 0.5 | 0.6 |

| Reactor Coolant System Activity | 4/07 | 5/07 | 6/07 | 7/07 | 8/07 | 9/07 | 10/07 | 11/07 | 12/07 | 1/08 | 2/08 | 3/08 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.006300 | 0.007320 | 0.007360 | 0.008130 | 0.008740 | 0.010600 | 0.012700 | 0.012600 | 0.013200 | 0.013600 | 0.015600 | 0.016800 |
| 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 | 0.6 | 0.7 | 0.7 | 0.8 | 0.9 | 1.1 | 1.3 | 1.3 | 1.3 | 1.4 | 1.6 | 1.7 |

Licensee Comments: none

Reactor Coolant System Leakage



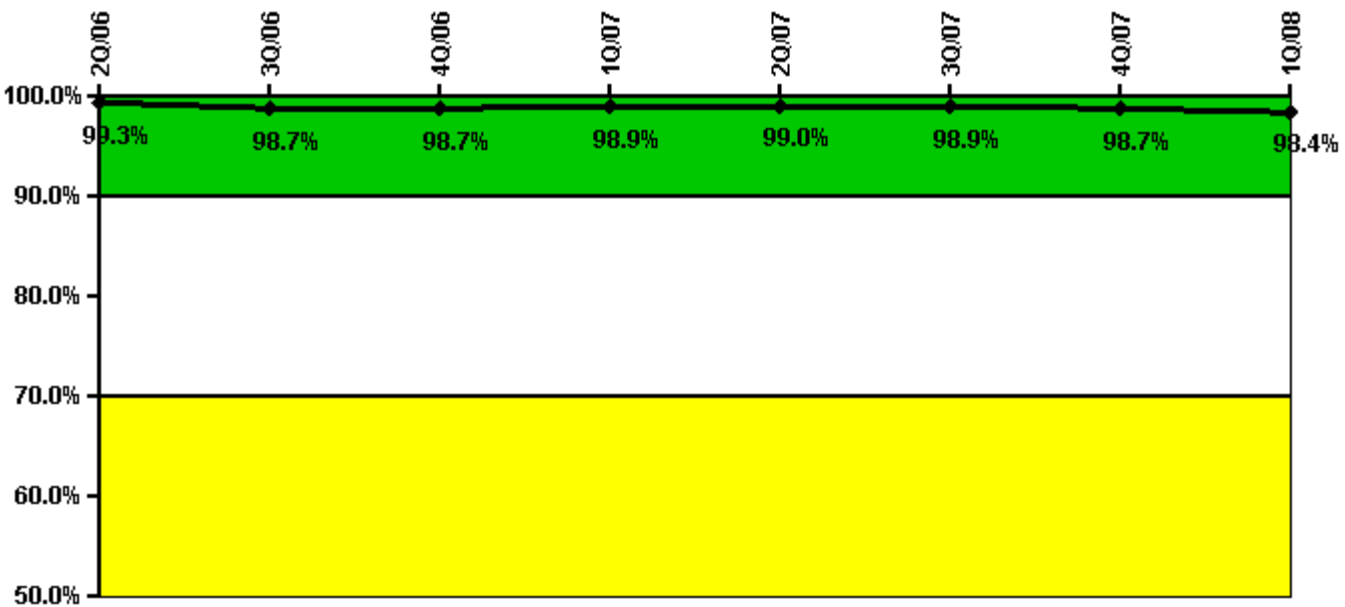
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Leakage | 4/06 | 5/06 | 6/06 | 7/06 | 8/06 | 9/06 | 10/06 | 11/06 | 12/06 | 1/07 | 2/07 | 3/07 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.046 | 0.043 | 0.041 | 0.035 | 0.035 | 0.037 | 0.036 | 0.124 | 0.138 | 0.106 | 0.057 | 0.049 |
| 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 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 1.2 | 1.4 | 1.1 | 0.6 | 0.5 |
| Reactor Coolant System Leakage | 4/07 | 5/07 | 6/07 | 7/07 | 8/07 | 9/07 | 10/07 | 11/07 | 12/07 | 1/08 | 2/08 | 3/08 |
| Maximum leakage | 0.045 | 0.056 | 0.036 | 0.034 | 0.035 | 0.045 | 0.056 | 0.040 | 0.043 | 0.062 | 0.042 | 0.045 |
| 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 | 0.5 | 0.6 | 0.4 | 0.3 | 0.4 | 0.5 | 0.6 | 0.4 | 0.4 | 0.6 | 0.4 | 0.5 |

Licensee Comments: none

Drill/Exercise Performance



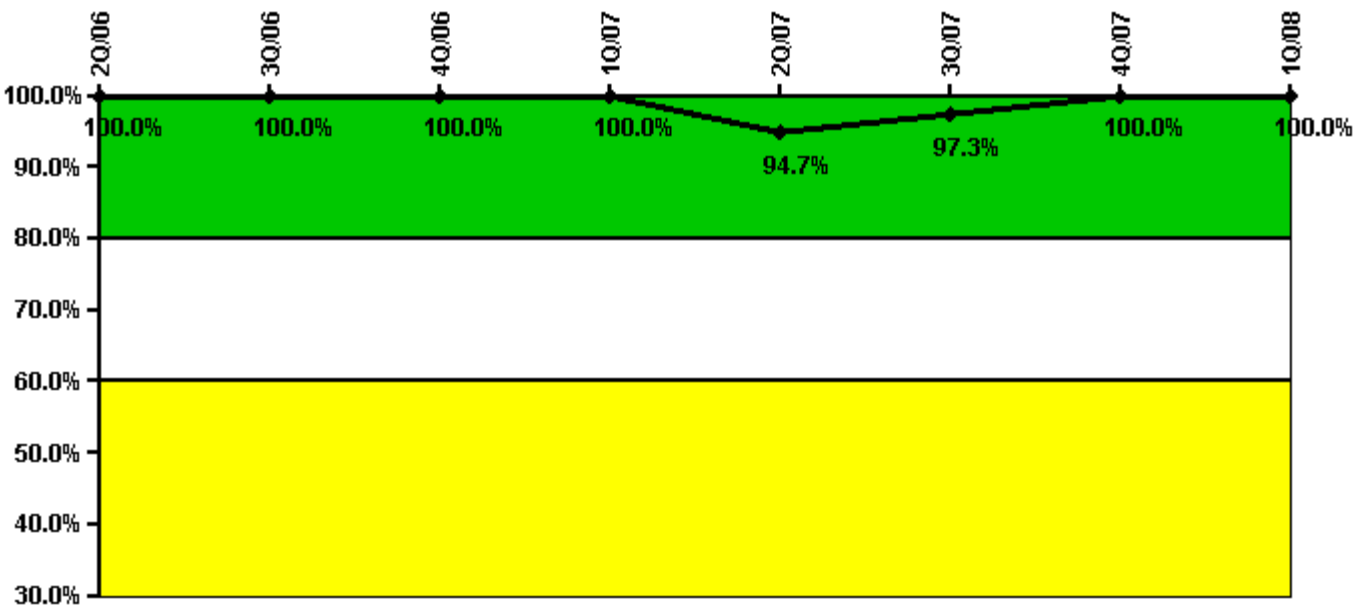
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 38.0 | 190.0 | 28.0 | 20.0 | 105.0 | 84.0 | 18.0 | 22.0 |
| Total opportunities | 38.0 | 194.0 | 28.0 | 20.0 | 106.0 | 84.0 | 19.0 | 24.0 |
| | | | | | | | | |
| Indicator value | 99.3% | 98.7% | 98.7% | 98.9% | 99.0% | 98.9% | 98.7% | 98.4% |

Licensee Comments: none

ERO Drill Participation



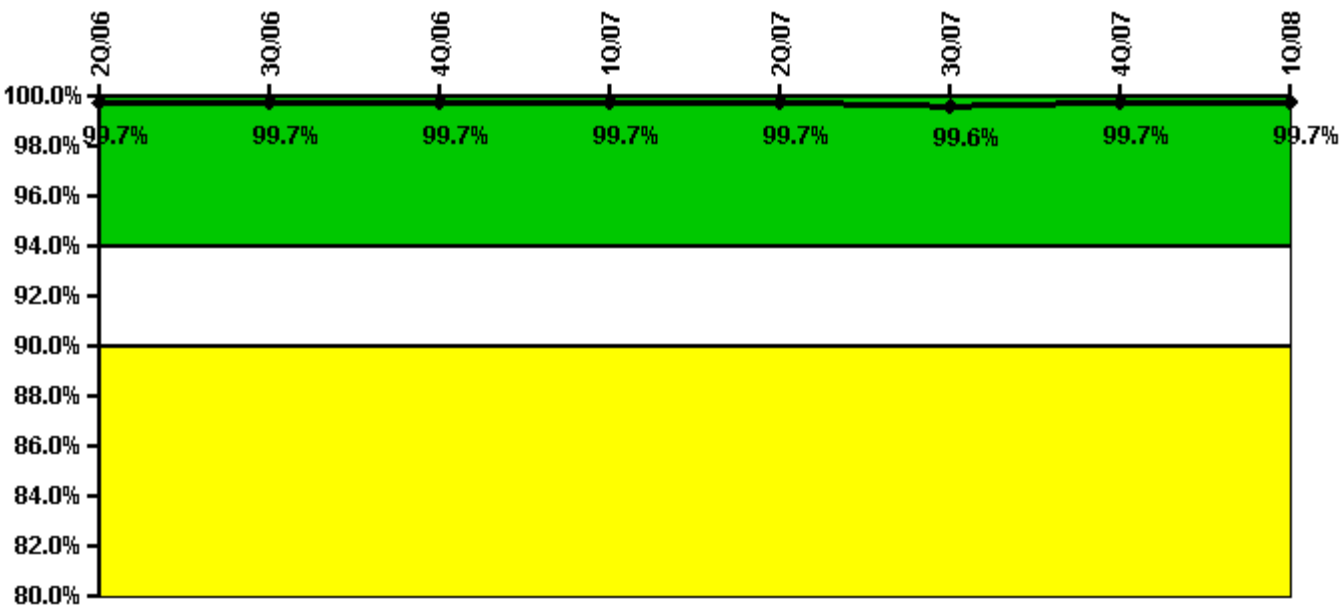
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|-----------------------------|--------|--------|--------|--------|-------|-------|--------|--------|
| Participating Key personnel | 75.0 | 74.0 | 76.0 | 74.0 | 72.0 | 73.0 | 75.0 | 71.0 |
| Total Key personnel | 75.0 | 74.0 | 76.0 | 74.0 | 76.0 | 75.0 | 75.0 | 71.0 |
| Indicator value | 100.0% | 100.0% | 100.0% | 100.0% | 94.7% | 97.3% | 100.0% | 100.0% |

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 4469 | 4451 | 4400 | 4470 | 4466 | 4448 | 4474 | 4473 |
| Total sirens-tests | 4479 | 4480 | 4410 | 4480 | 4478 | 4480 | 4480 | 4478 |
| | | | | | | | | |
| Indicator value | 99.7% | 99.7% | 99.7% | 99.7% | 99.7% | 99.6% | 99.7% | 99.7% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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: April 30, 2008