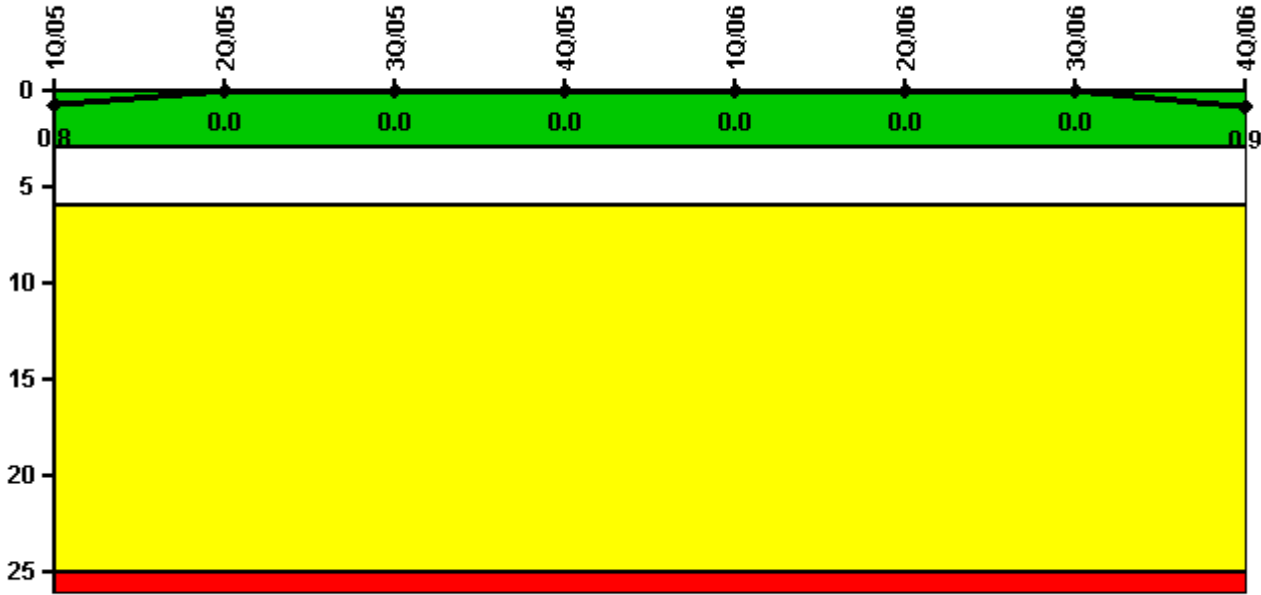


Surry 2

4Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



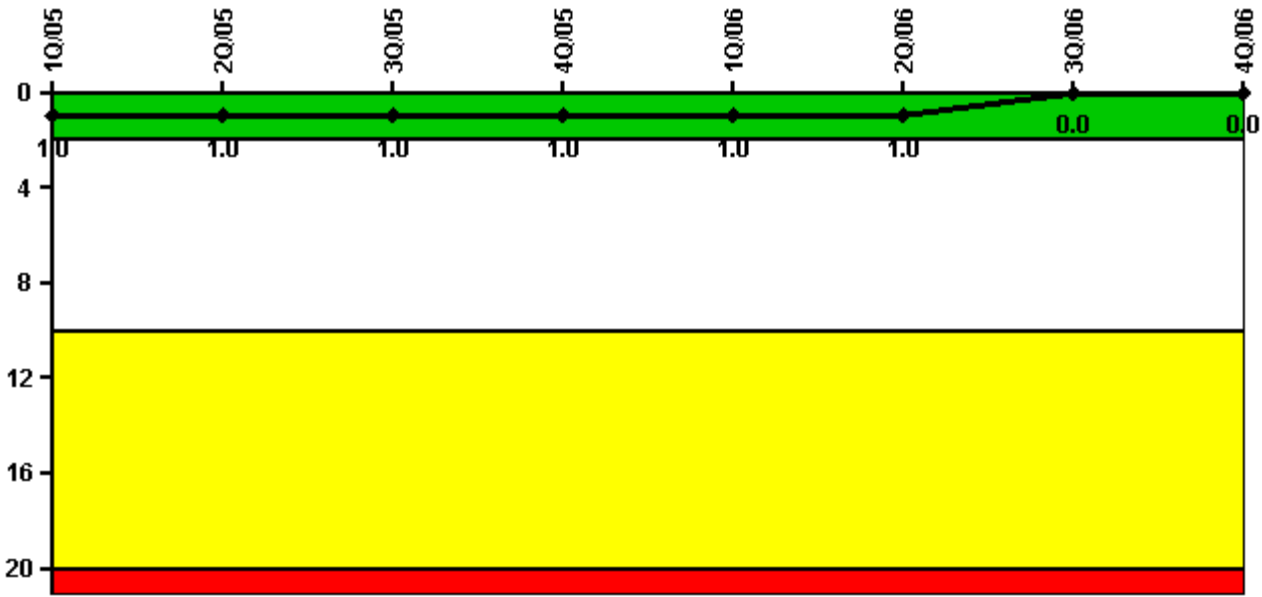
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2160.0 | 1505.8 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 2208.0 | 1170.7 |
| Indicator value | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



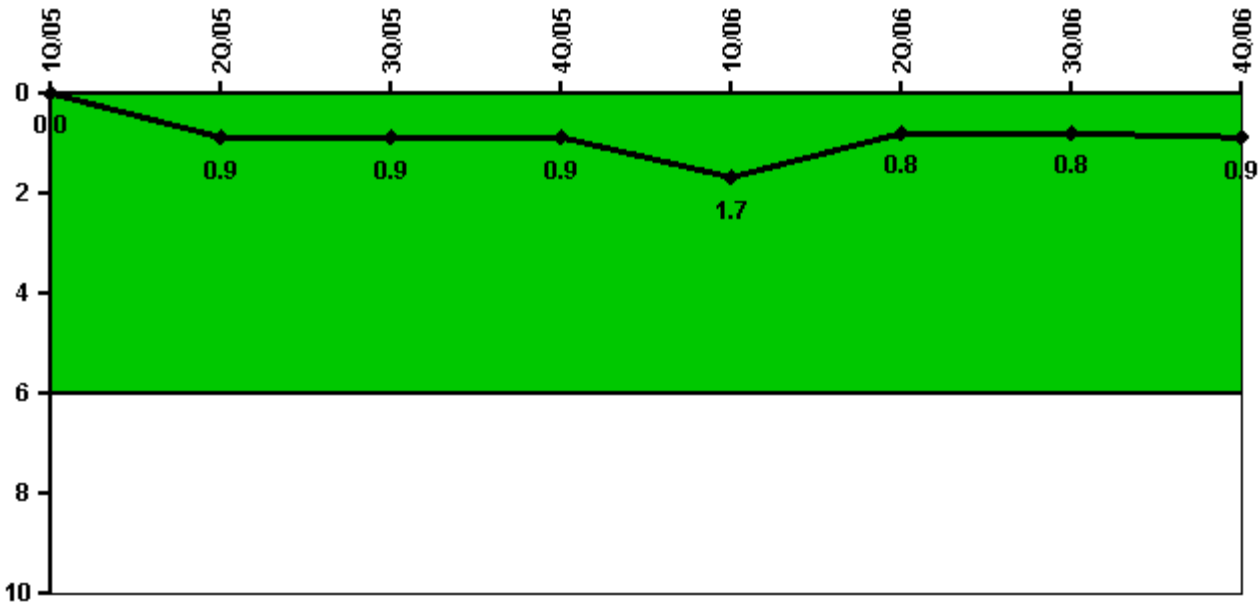
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



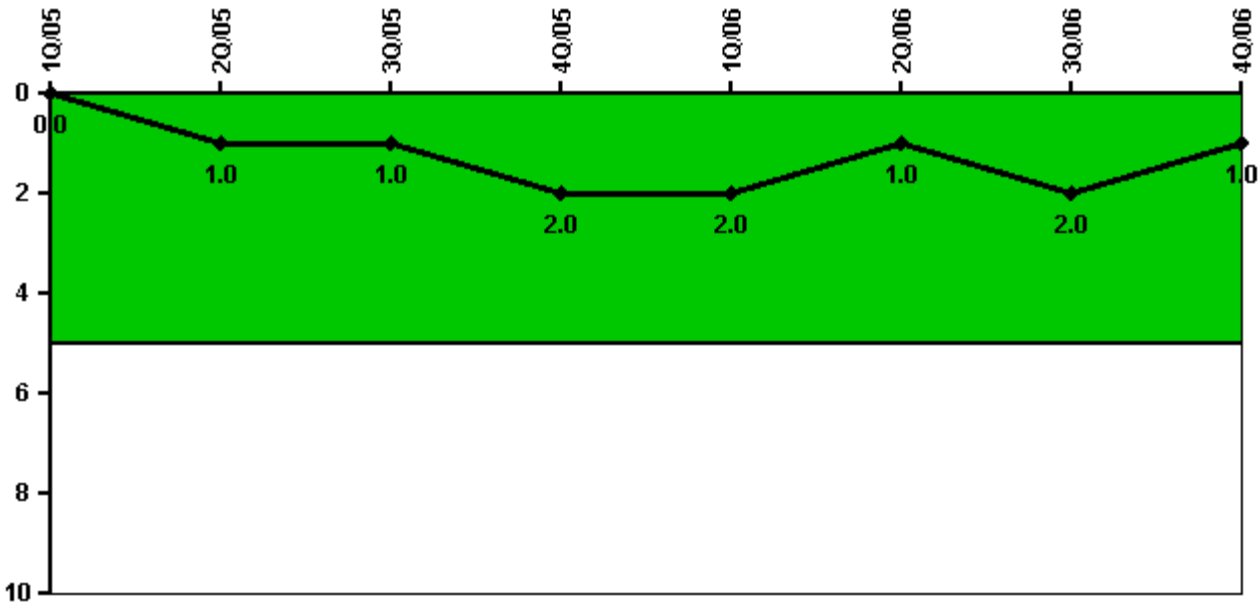
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 2160.0 | 1505.8 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 2208.0 | 1170.7 |
| Indicator value | 0 | 0.9 | 0.9 | 0.9 | 1.7 | 0.8 | 0.8 | 0.9 |

Licensee Comments: none

Safety System Functional Failures (PWR)



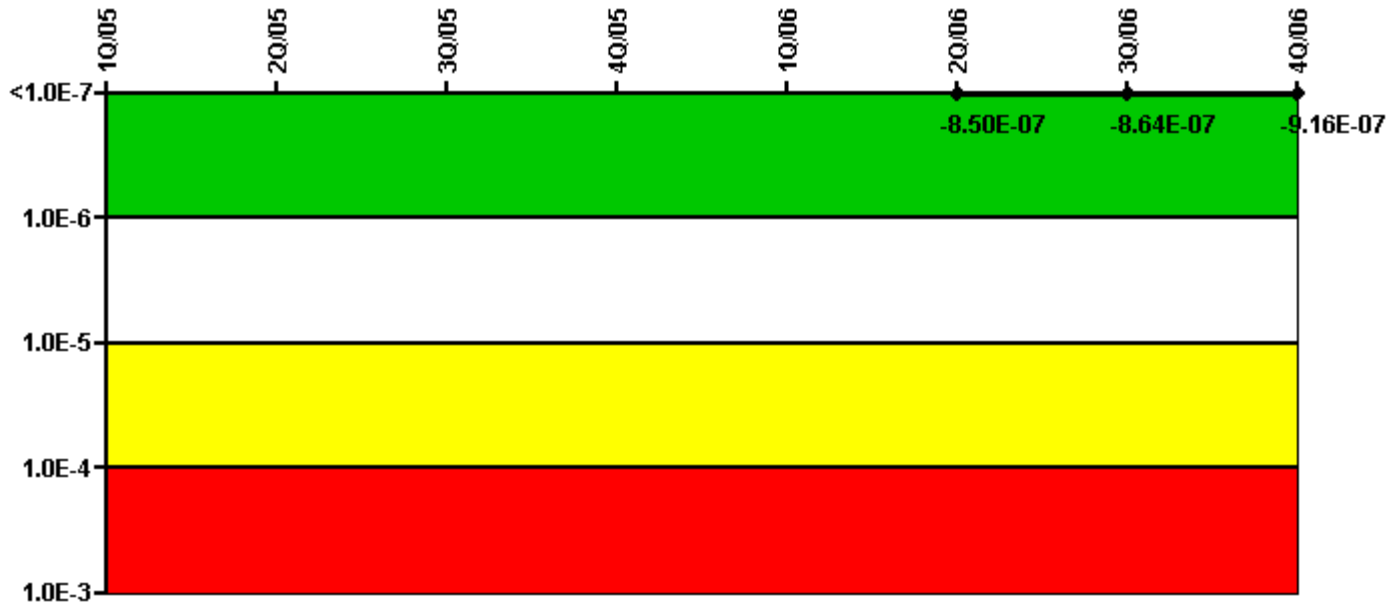
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| Indicator value | 0 | 1 | 1 | 2 | 2 | 1 | 2 | 1 |

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



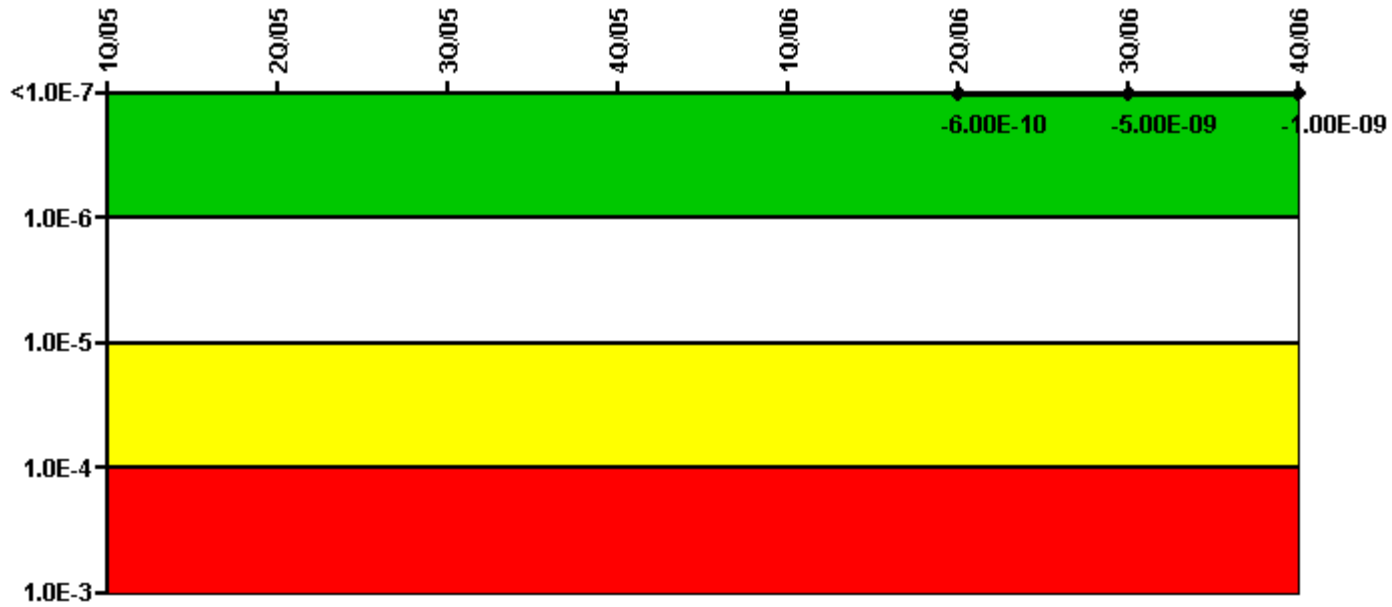
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|-------|-------|-------|-------|-------|-----------|-----------|-----------|
| UAI (Δ CDF) | | | | | | 1.10E-07 | 7.60E-08 | 7.40E-08 |
| URI (Δ CDF) | | | | | | -9.60E-07 | -9.40E-07 | -9.90E-07 |
| PLE | | | | | | NO | NO | NO |
| Indicator value | | | | | | -8.50E-07 | -8.64E-07 | -9.16E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



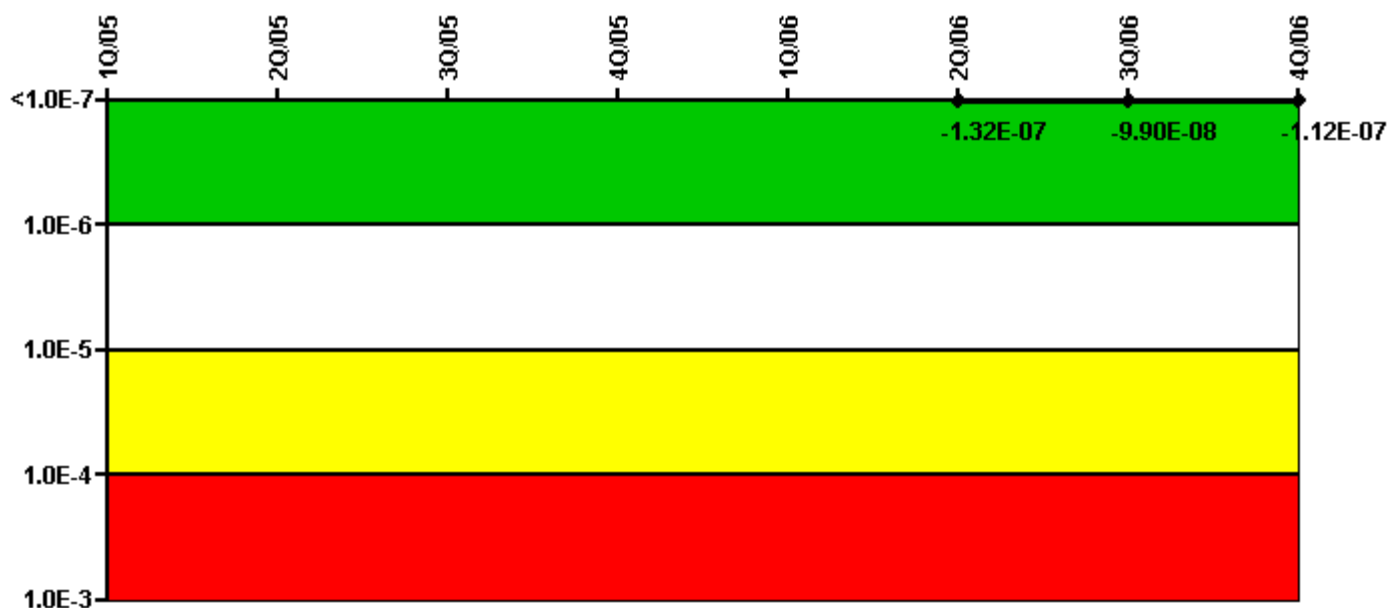
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|--|-------|-------|-------|-------|-------|-----------|-----------|-----------|
| UAI (Δ CDF) | | | | | | 4.80E-09 | 4.60E-09 | 1.00E-08 |
| URI (Δ CDF) | | | | | | -5.40E-09 | -9.60E-09 | -1.10E-08 |
| PLE | | | | | | NO | NO | NO |
| Indicator value | | | | | | -6.00E-10 | -5.00E-09 | -1.00E-09 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

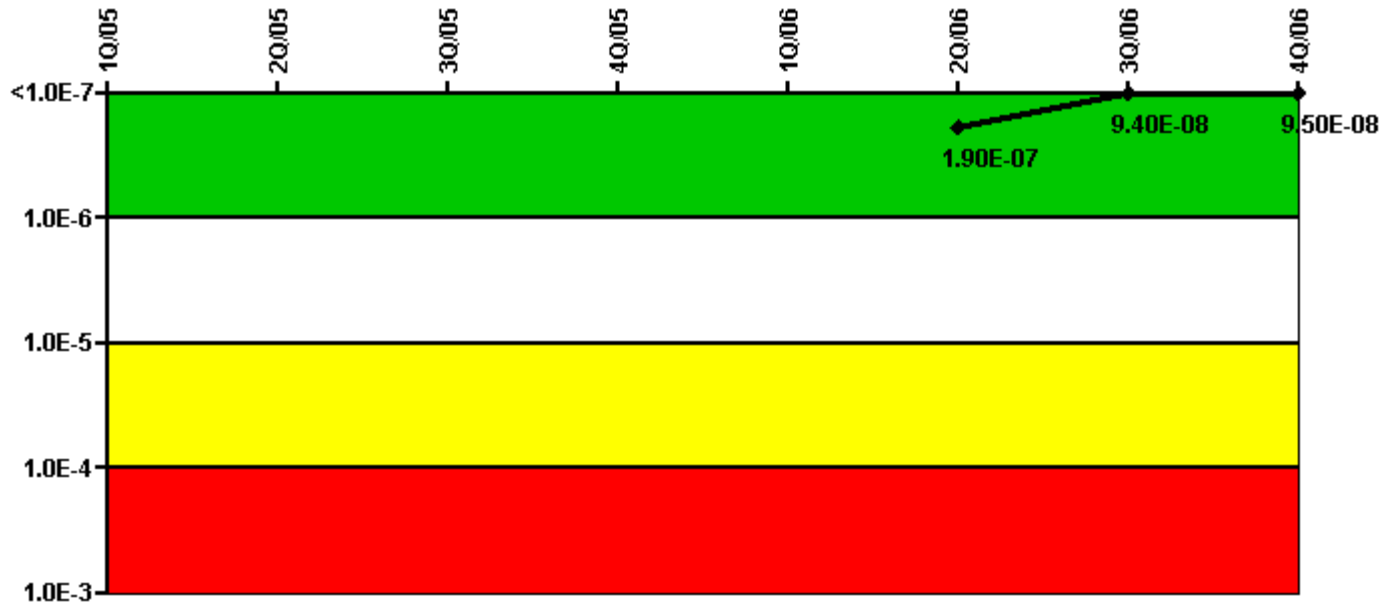
Notes

| Mitigating Systems Performance Index, Heat Removal System | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|-------|-------|-------|-------|-------|-----------|-----------|-----------|
| UAI (ΔCDF) | | | | | | -1.20E-08 | 1.10E-08 | 8.50E-09 |
| URI (ΔCDF) | | | | | | -1.20E-07 | -1.10E-07 | -1.20E-07 |
| PLE | | | | | | NO | NO | NO |
| Indicator value | | | | | | -1.32E-07 | -9.90E-08 | -1.12E-07 |

Licensee Comments:

4Q/06: An inspection from the NRC Resident revealed historical data inaccuracies in January and February 2006. Also unavailability baseline coefficients were corrected in the Basis Document and the CDE. Data was corrected with no change in color.

Mitigating Systems Performance Index, Residual Heat Removal System



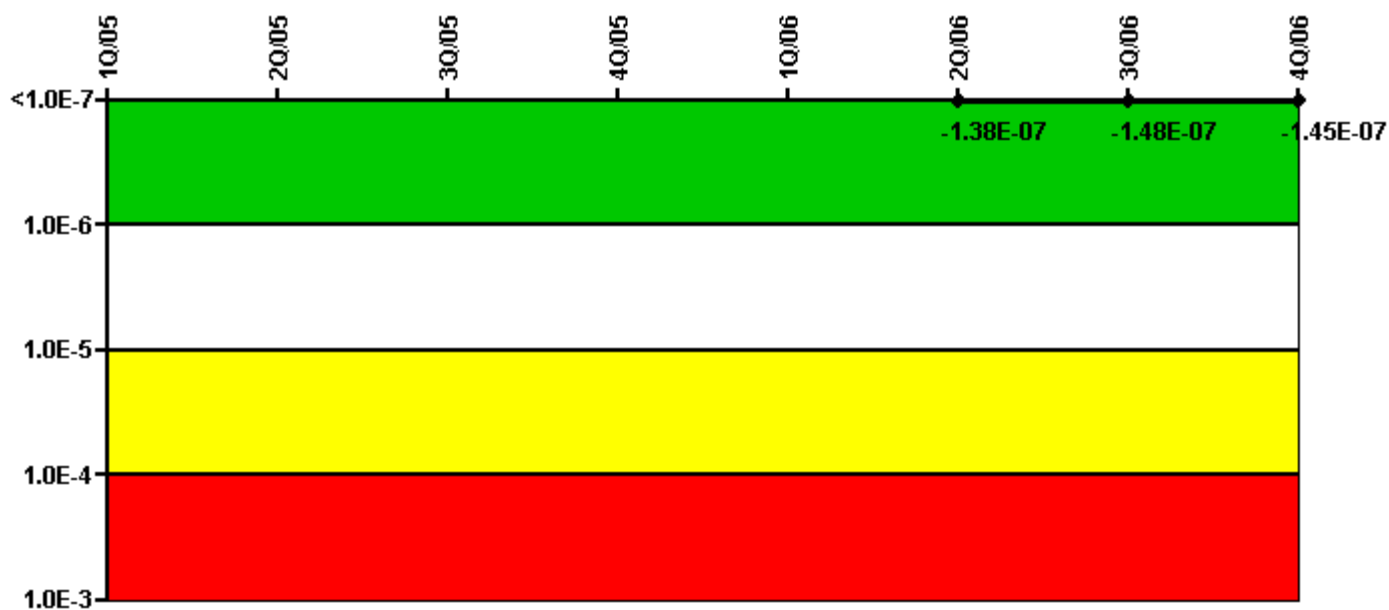
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|--|-------|-------|-------|-------|-------|----------|----------|----------|
| UAI (Δ CDF) | | | | | | 2.00E-08 | 1.90E-08 | 1.70E-08 |
| URI (Δ CDF) | | | | | | 1.70E-07 | 7.50E-08 | 7.80E-08 |
| PLE | | | | | | NO | NO | NO |
| Indicator value | | | | | | 1.90E-07 | 9.40E-08 | 9.50E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

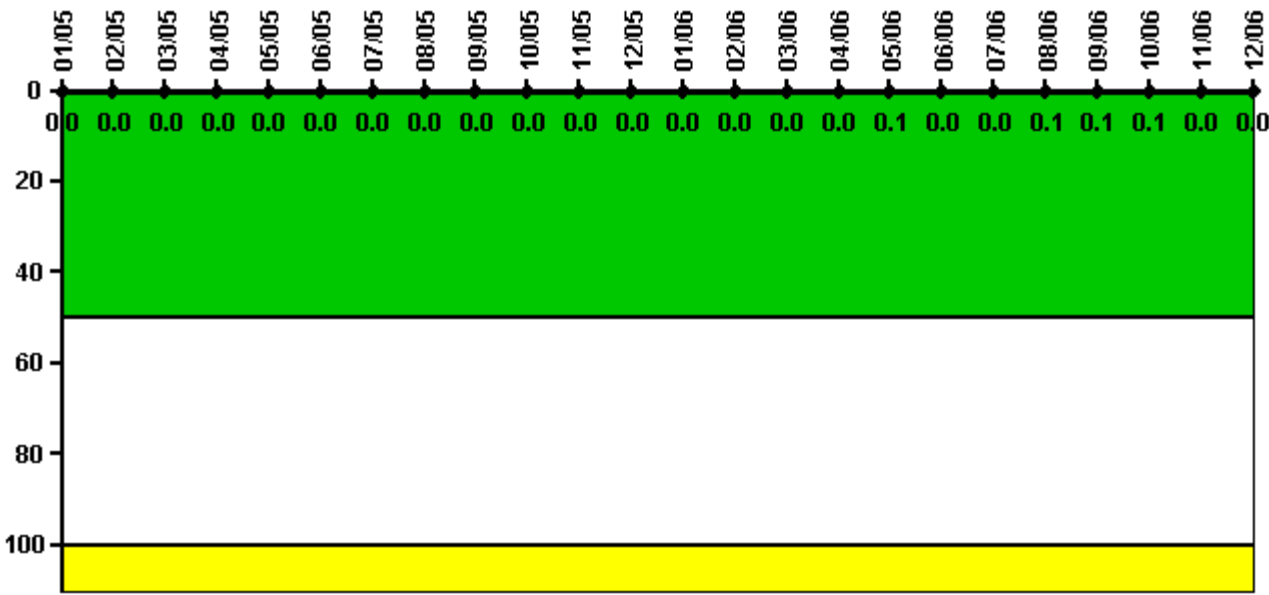
Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|-------|-------|-------|-------|-------|-----------|-----------|-----------|
| UAI (ΔCDF) | | | | | | -7.50E-09 | -8.00E-09 | -4.80E-09 |
| URI (ΔCDF) | | | | | | -1.30E-07 | -1.40E-07 | -1.40E-07 |
| PLE | | | | | | NO | NO | NO |
| Indicator value | | | | | | -1.38E-07 | -1.48E-07 | -1.45E-07 |

Licensee Comments:

4Q/06: During the NRC TI 2515/169 Mitigating Systems Performance Index Verification Inspection, the Resident Inspector found data inaccuracies in months prior to fourth quarter 2006. Data corrections will be performed at the first quarter 2007 data submittal and should not result in a color change.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

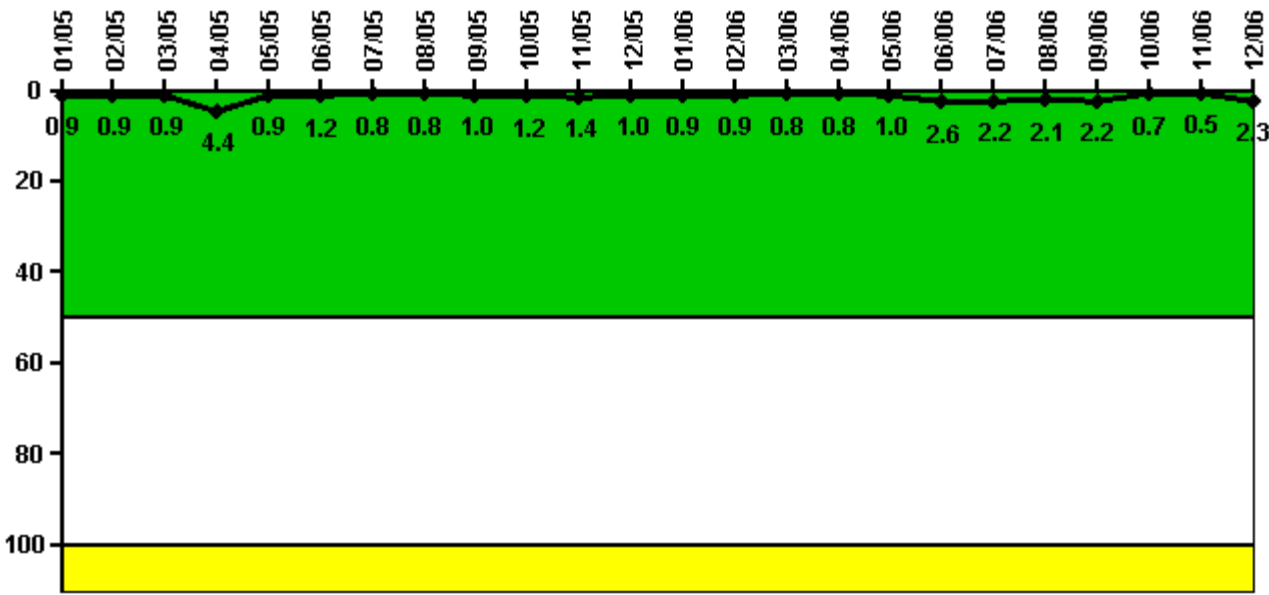
Notes

| Reactor Coolant System Activity | 1/05 | 2/05 | 3/05 | 4/05 | 5/05 | 6/05 | 7/05 | 8/05 | 9/05 | 10/05 | 11/05 | 12/05 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000390 | 0.000395 | 0.000403 | 0.000433 | 0.000313 | 0.000404 | 0.000334 | 0.000326 | 0.000323 | 0.000395 | 0.000358 | 0.000358 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| 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 | 0.000422 | 0.000347 | 0.000470 | 0.000473 | 0.000508 | 0.000487 | 0.000498 | 0.000506 | 0.000815 | 0.000504 | 0.000298 | 0.000386 |
| 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 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

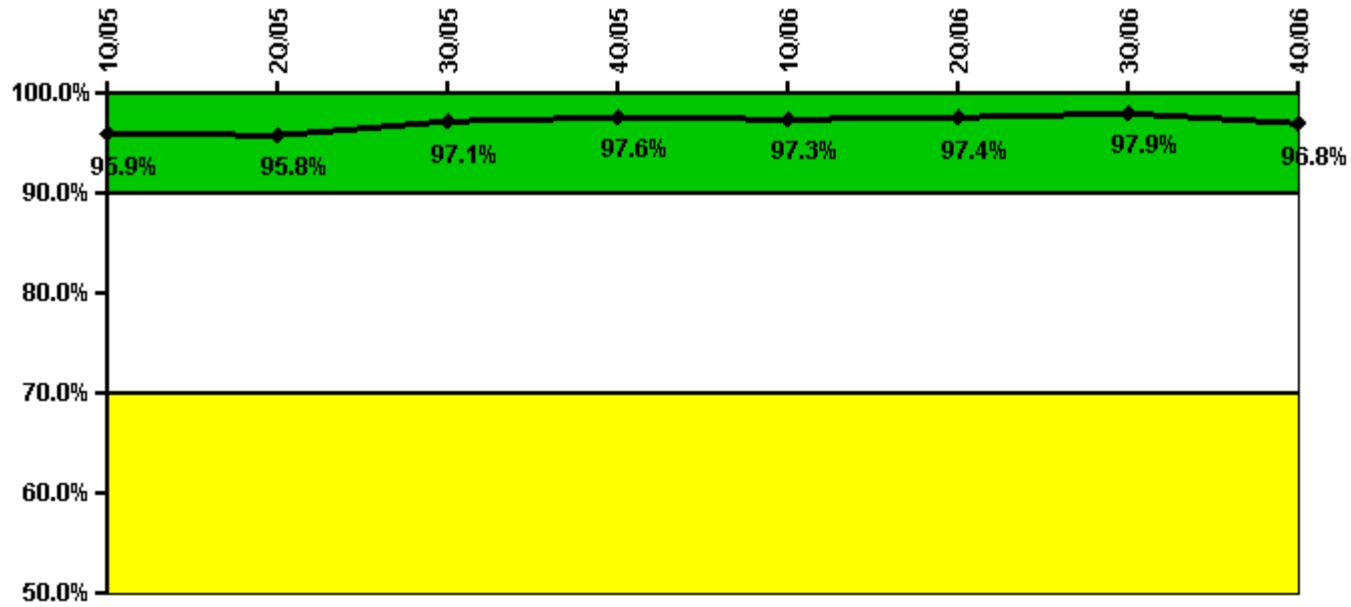
Notes

| Reactor Coolant System Leakage | 1/05 | 2/05 | 3/05 | 4/05 | 5/05 | 6/05 | 7/05 | 8/05 | 9/05 | 10/05 | 11/05 | 12/05 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.090 | 0.090 | 0.090 | 0.440 | 0.090 | 0.120 | 0.080 | 0.080 | 0.100 | 0.120 | 0.140 | 0.100 |
| 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 | 0.9 | 0.9 | 0.9 | 4.4 | 0.9 | 1.2 | 0.8 | 0.8 | 1.0 | 1.2 | 1.4 | 1.0 |

| 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 | 0.090 | 0.090 | 0.080 | 0.080 | 0.100 | 0.260 | 0.220 | 0.210 | 0.220 | 0.070 | 0.050 | 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 | 0.9 | 0.9 | 0.8 | 0.8 | 1.0 | 2.6 | 2.2 | 2.1 | 2.2 | 0.7 | 0.5 | 2.3 |

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

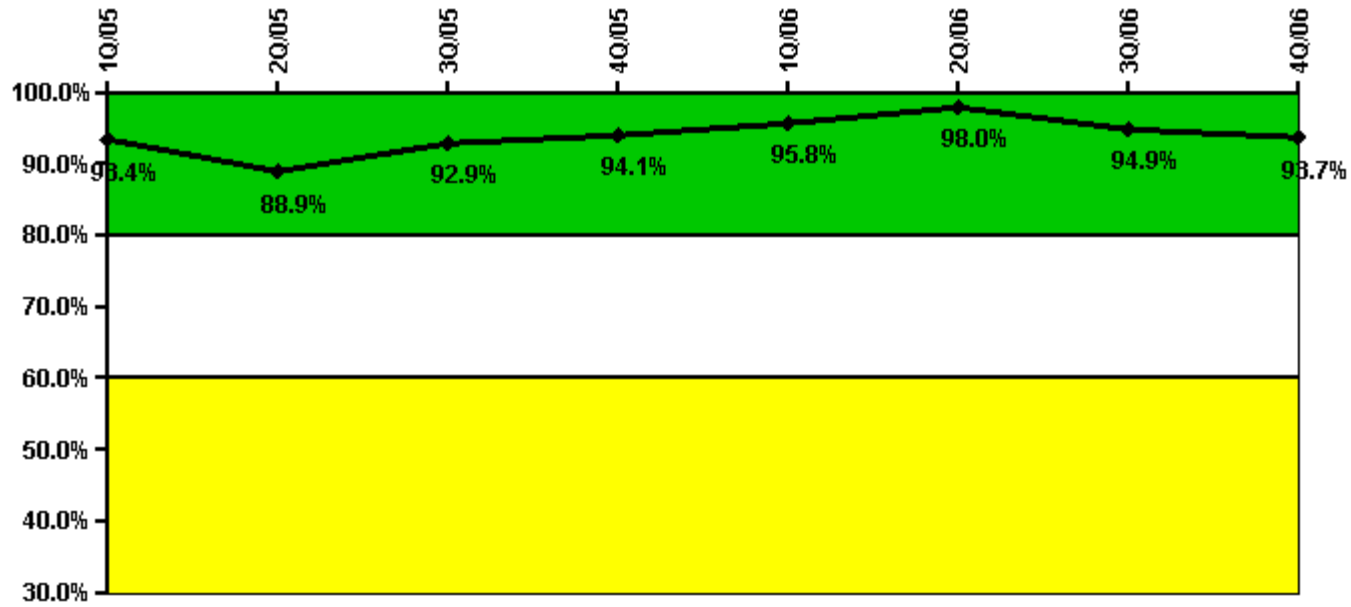
Notes

| Drill/Exercise Performance | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 19.0 | 20.0 | 29.0 | 27.0 | 34.0 | 22.0 | 31.0 | 1.0 |
| Total opportunities | 20.0 | 20.0 | 29.0 | 27.0 | 35.0 | 23.0 | 32.0 | 3.0 |
| Indicator value | 95.9% | 95.8% | 97.1% | 97.6% | 97.3% | 97.4% | 97.9% | 96.8% |

Licensee Comments:

4Q/06: Based on a Self Assessment, a missed opportunity was not accounted for in April 2006. Data was corrected with no change in color.

ERO Drill Participation



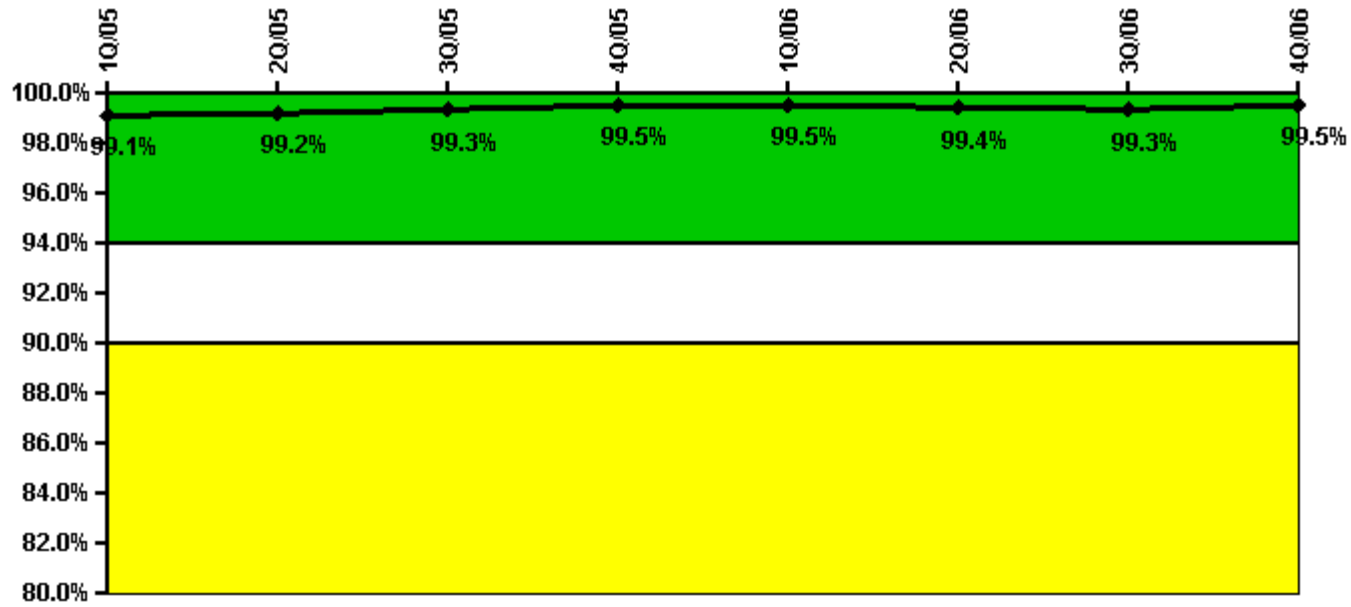
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Participating Key personnel | 142.0 | 136.0 | 144.0 | 144.0 | 137.0 | 145.0 | 149.0 | 149.0 |
| Total Key personnel | 152.0 | 153.0 | 155.0 | 153.0 | 143.0 | 148.0 | 157.0 | 159.0 |
| Indicator value | 93.4% | 88.9% | 92.9% | 94.1% | 95.8% | 98.0% | 94.9% | 93.7% |

Licensee Comments: none

Alert & Notification System



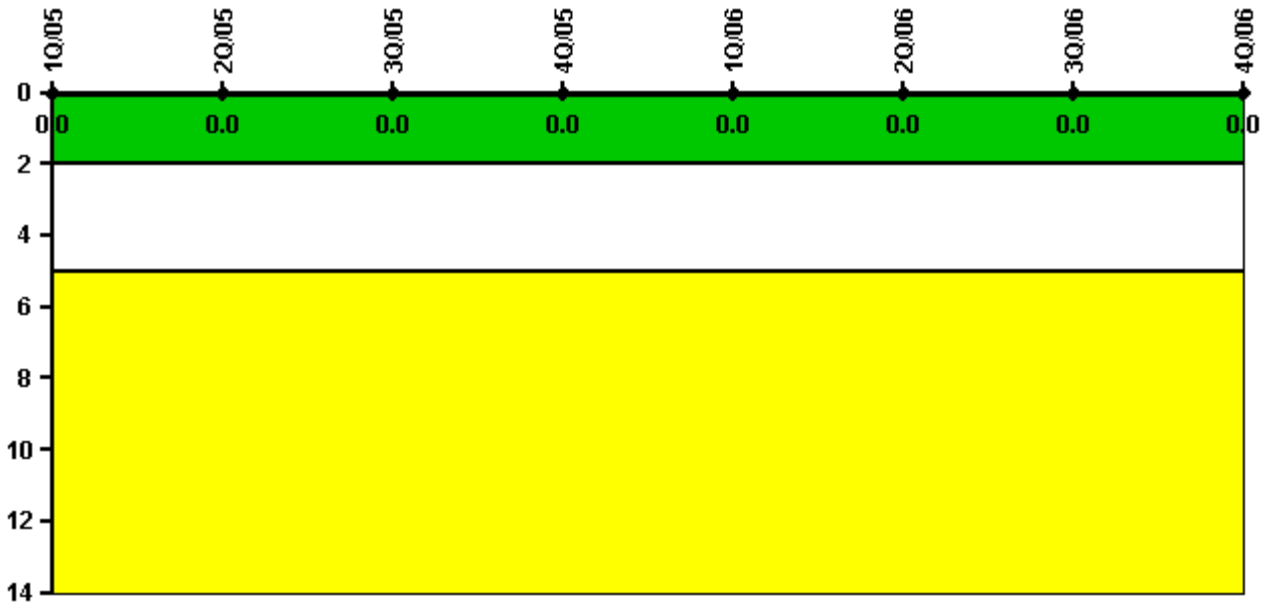
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 534 | 475 | 541 | 472 | 542 | 473 | 539 | 476 |
| Total sirens-tests | 537 | 476 | 544 | 476 | 544 | 476 | 544 | 476 |
| Indicator value | 99.1% | 99.2% | 99.3% | 99.5% | 99.5% | 99.4% | 99.3% | 99.5% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



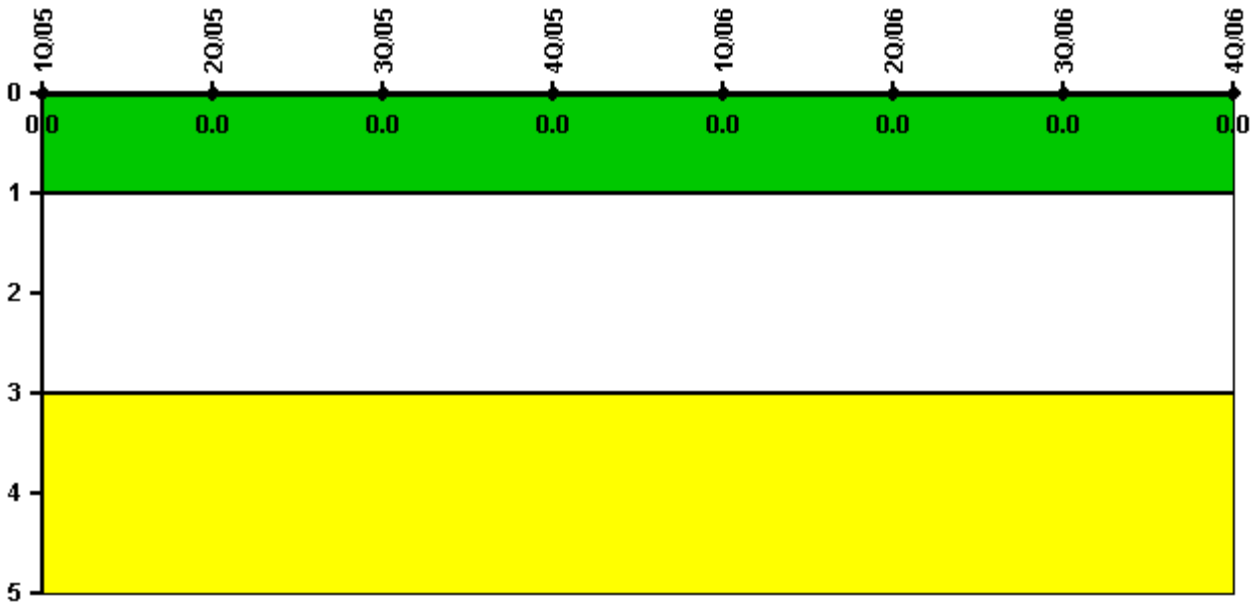
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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.