

Catawba 2

1Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



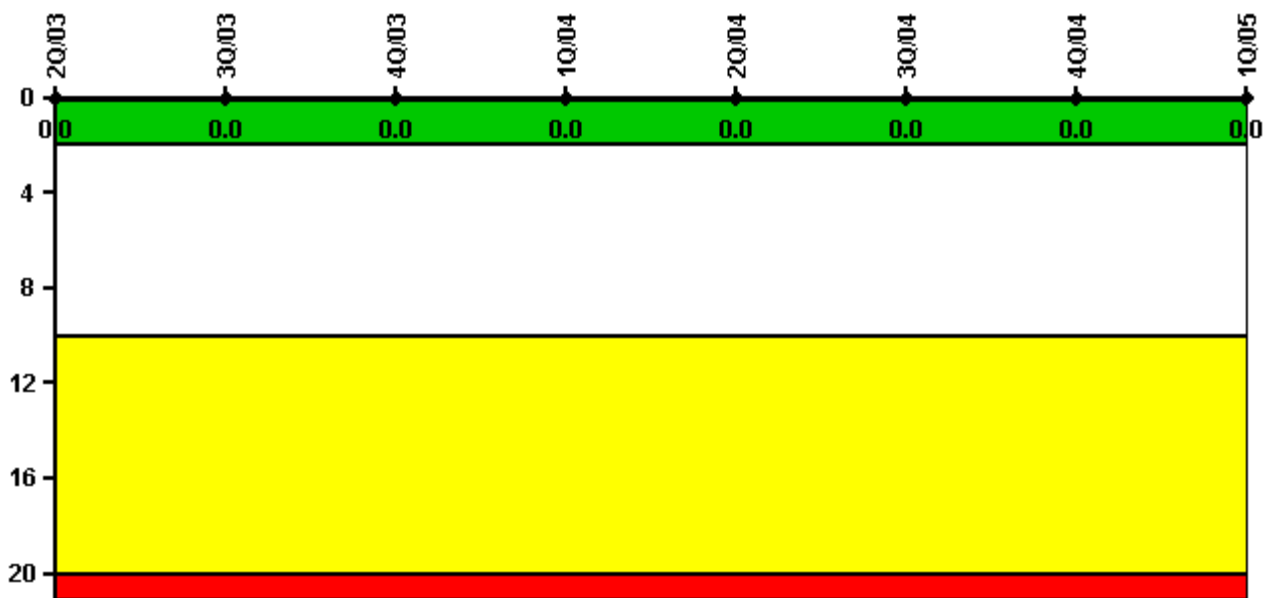
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 2209.0 | 2184.0 | 2183.0 | 1733.2 | 1611.7 | 2160.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0.9 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



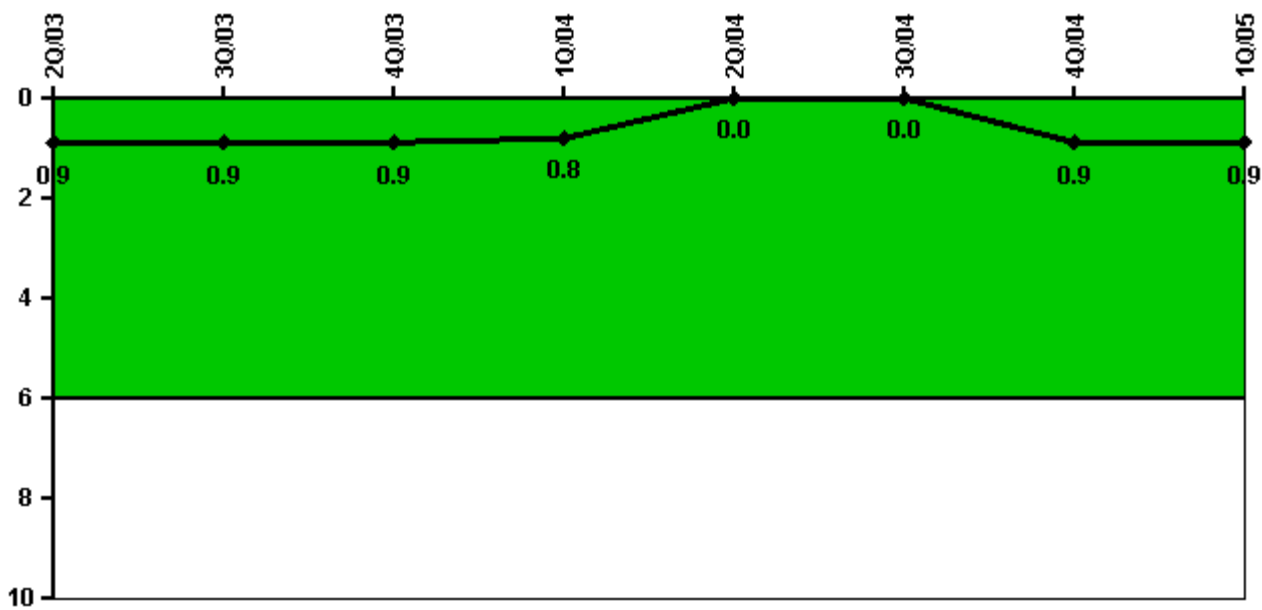
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



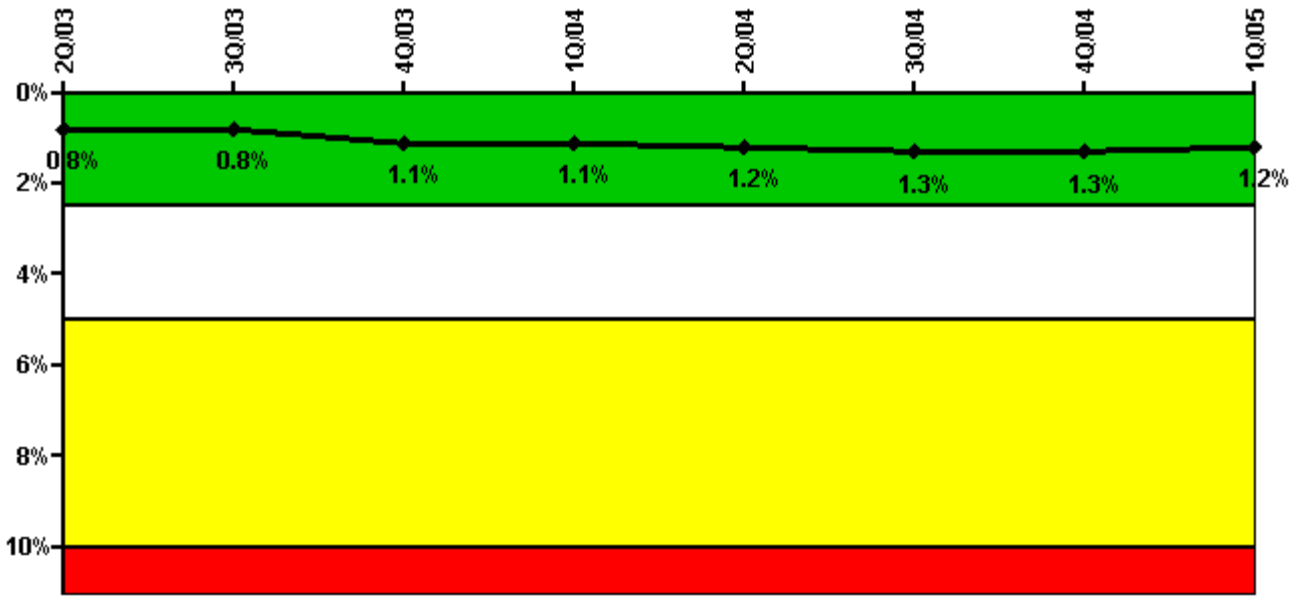
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 1.0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 2209.0 | 2184.0 | 2183.0 | 1733.2 | 1611.7 | 2160.0 |
| Indicator value | 0.9 | 0.9 | 0.9 | 0.8 | 0 | 0 | 0.9 | 0.9 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



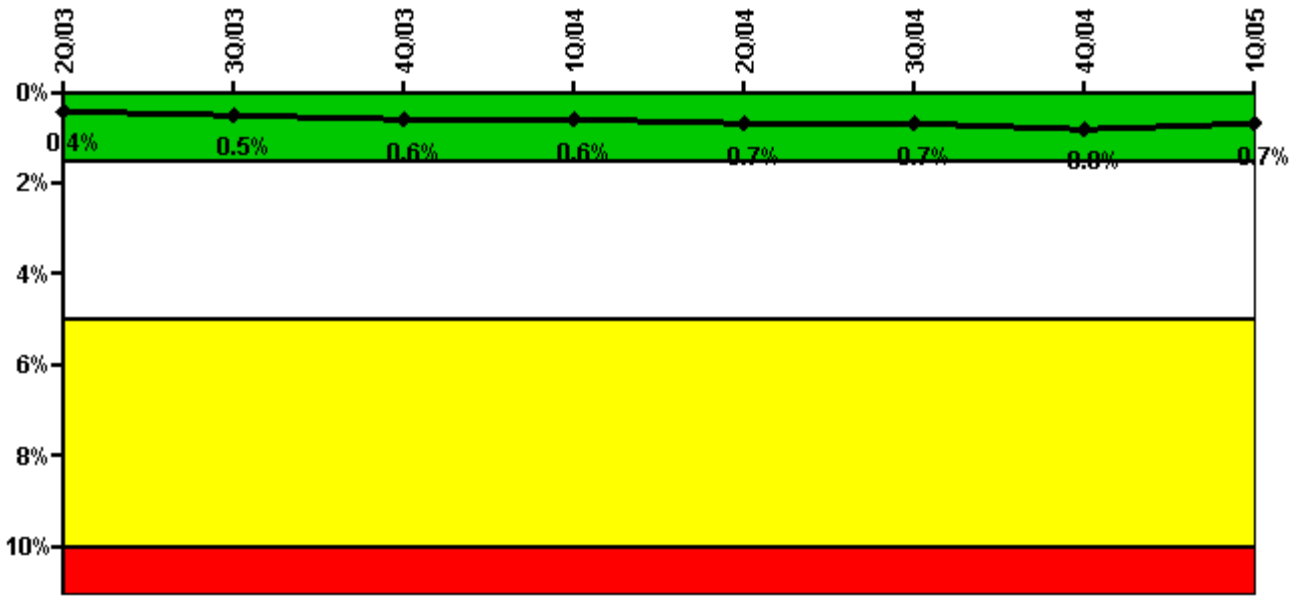
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Emergency AC Power | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 3.32 | 35.29 | 38.53 | 4.92 | 26.00 | 2.38 | 3.04 | 5.88 |
| Unplanned unavailable hours | 0 | 0 | 0 | 5.63 | 5.68 | 0.73 | 0 | 1.78 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 38.59 | 5.29 | 86.87 | 3.45 | 27.30 | 31.14 | 6.56 | 10.81 |
| Unplanned unavailable hours | 0 | 0 | 67.08 | 1.15 | 1.10 | 14.73 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| Indicator value | 0.8% | 0.8% | 1.1% | 1.1% | 1.2% | 1.3% | 1.3% | 1.2% |

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



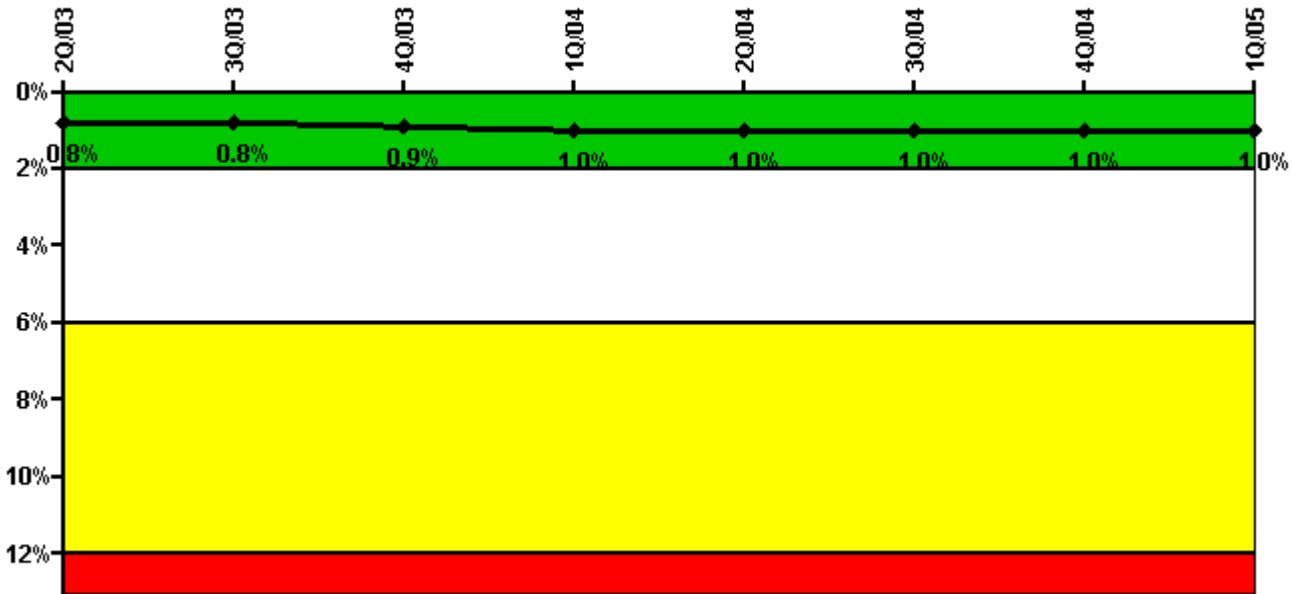
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 3.67 | 10.85 | 32.46 | 6.49 | 17.81 | 16.08 | 12.55 | 3.01 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.78 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 1733.20 | 1598.18 | 2160.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 17.69 | 13.67 | 41.68 | 13.70 | 5.64 | 20.70 | 12.78 | 4.10 |
| Unplanned unavailable hours | 0 | 0 | 3.50 | 0 | 10.43 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 1733.20 | 1598.18 | 2160.00 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 13.82 | 15.37 | 31.96 | 12.62 | 4.95 | 4.76 | 1.87 | 12.22 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.78 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 1733.20 | 1598.18 | 2160.00 |
| Train 4 | | | | | | | | |
| Planned unavailable hours | 32.84 | 29.84 | 41.13 | 3.45 | 14.48 | 13.72 | 12.78 | 3.56 |
| Unplanned unavailable hours | 0 | 0 | 3.50 | 0 | 10.43 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 1733.20 | 1598.18 | 2160.00 |
| Indicator value | 0.4% | 0.5% | 0.6% | 0.6% | 0.7% | 0.7% | 0.8% | 0.7% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



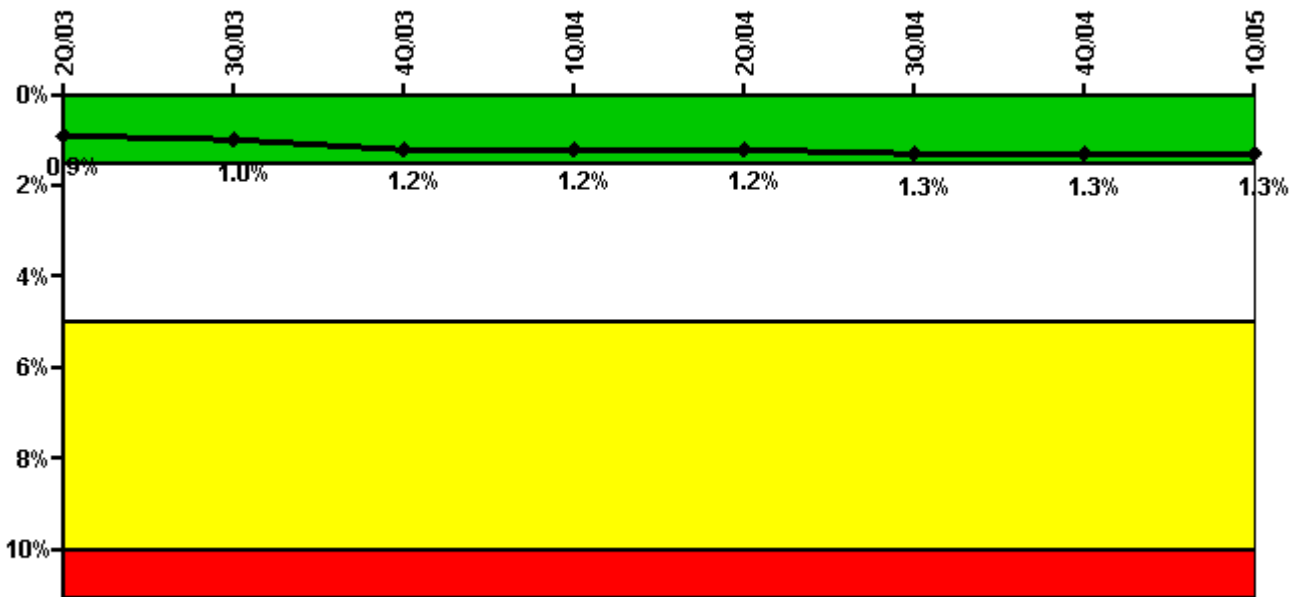
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

| Safety System Unavailability, Heat Removal System (AFW) | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 14.59 | 24.27 | 33.93 | 8.18 | 11.28 | 9.40 | 2.12 | 3.05 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.78 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 1737.50 | 1711.20 | 2160.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 18.87 | 26.56 | 69.10 | 35.48 | 8.46 | 25.92 | 22.75 | 3.81 |
| Unplanned unavailable hours | 0 | 0 | 3.50 | 0 | 10.43 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 1737.50 | 1711.20 | 2160.00 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 19.47 | 13.17 | 12.60 | 12.48 | 9.43 | 4.68 | 0 | 16.61 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 7.42 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 1737.50 | 1711.20 | 2160.00 |
| Indicator value | 0.8% | 0.8% | 0.9% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



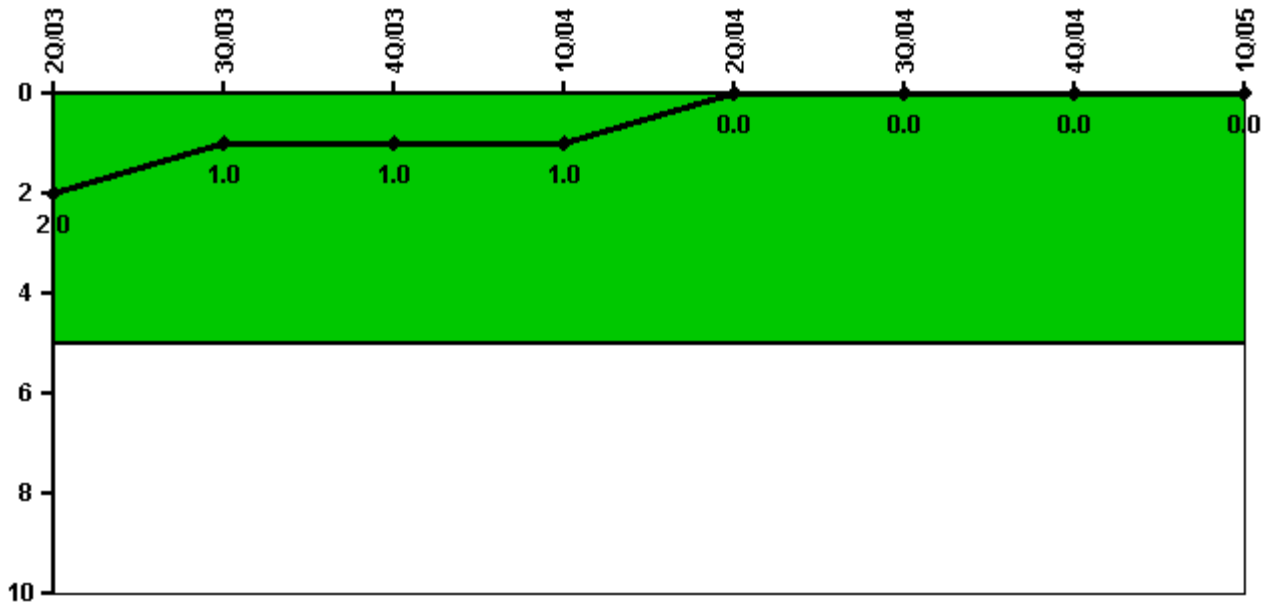
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Residual Heat Removal System | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 3.64 | 25.45 | 32.33 | 30.94 | 5.40 | 11.89 | 2.20 | 3.02 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.78 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 1904.10 | 2209.00 | 2160.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 86.84 | 25.61 | 69.23 | 3.45 | 20.15 | 29.38 | 17.18 | 3.91 |
| Unplanned unavailable hours | 0 | 0 | 3.50 | 0 | 10.43 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 1904.10 | 2209.00 | 2160.00 |
| Indicator value | 0.9% | 1.0% | 1.2% | 1.2% | 1.2% | 1.3% | 1.3% | 1.3% |

Licensee Comments: none

Safety System Functional Failures (PWR)



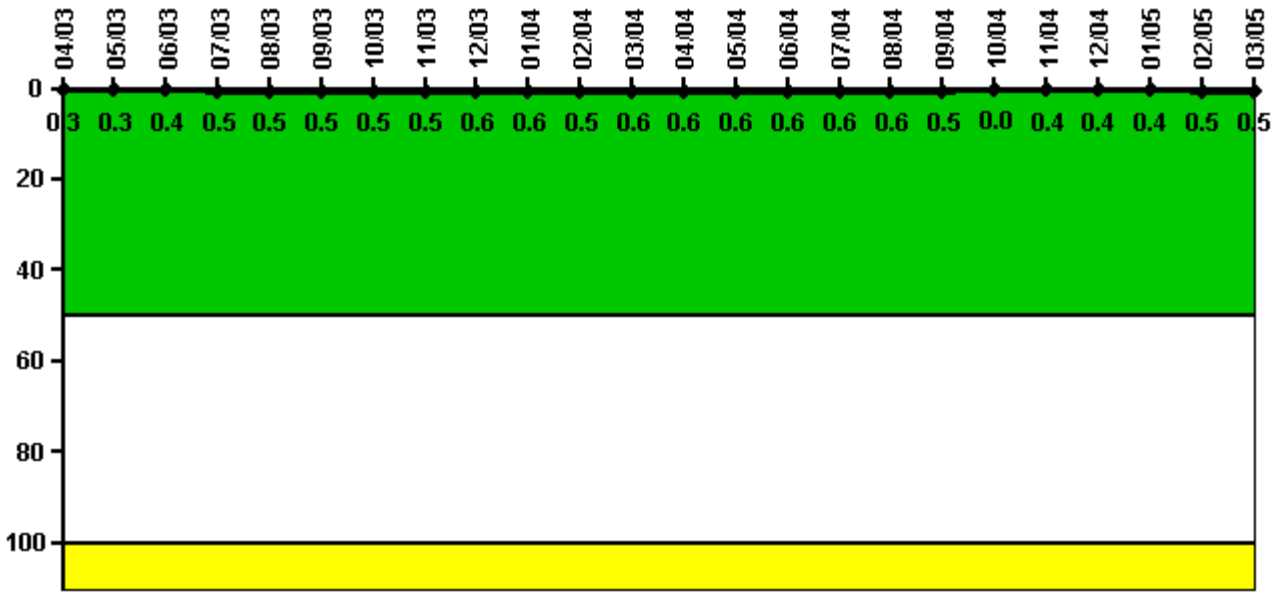
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

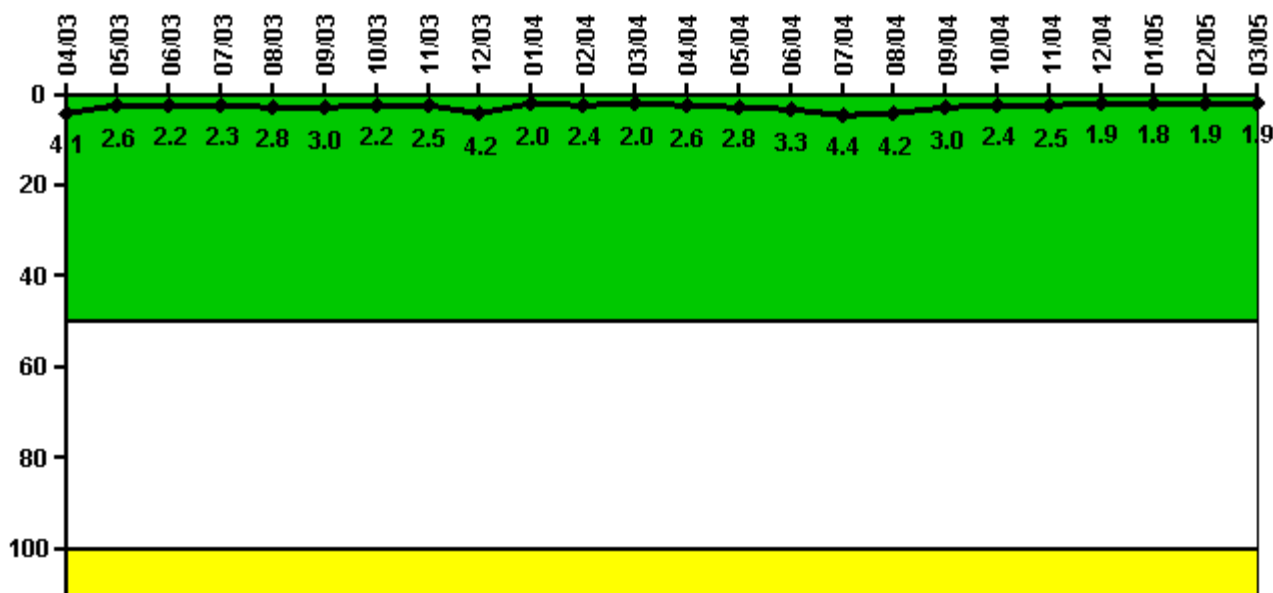
Notes

| Reactor Coolant System Activity | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 | 10/03 | 11/03 | 12/03 | 1/04 | 2/04 | 3/04 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000190 | 0.000213 | 0.000245 | 0.000290 | 0.000310 | 0.000310 | 0.000341 | 0.000340 | 0.000353 | 0.000352 | 0.000344 | 0.000405 |
| Technical specification limit | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Indicator value | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.6 |

| Reactor Coolant System Activity | 4/04 | 5/04 | 6/04 | 7/04 | 8/04 | 9/04 | 10/04 | 11/04 | 12/04 | 1/05 | 2/05 | 3/05 |
|---------------------------------|----------|----------|----------|----------|----------|----------|-------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000357 | 0.000376 | 0.000392 | 0.000368 | 0.000373 | 0.000299 | 0 | 0.000229 | 0.000252 | 0.000283 | 0.000321 | 0.000322 |
| Technical specification limit | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Indicator value | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 0 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 |

Licensee Comments: none

Reactor Coolant System Leakage



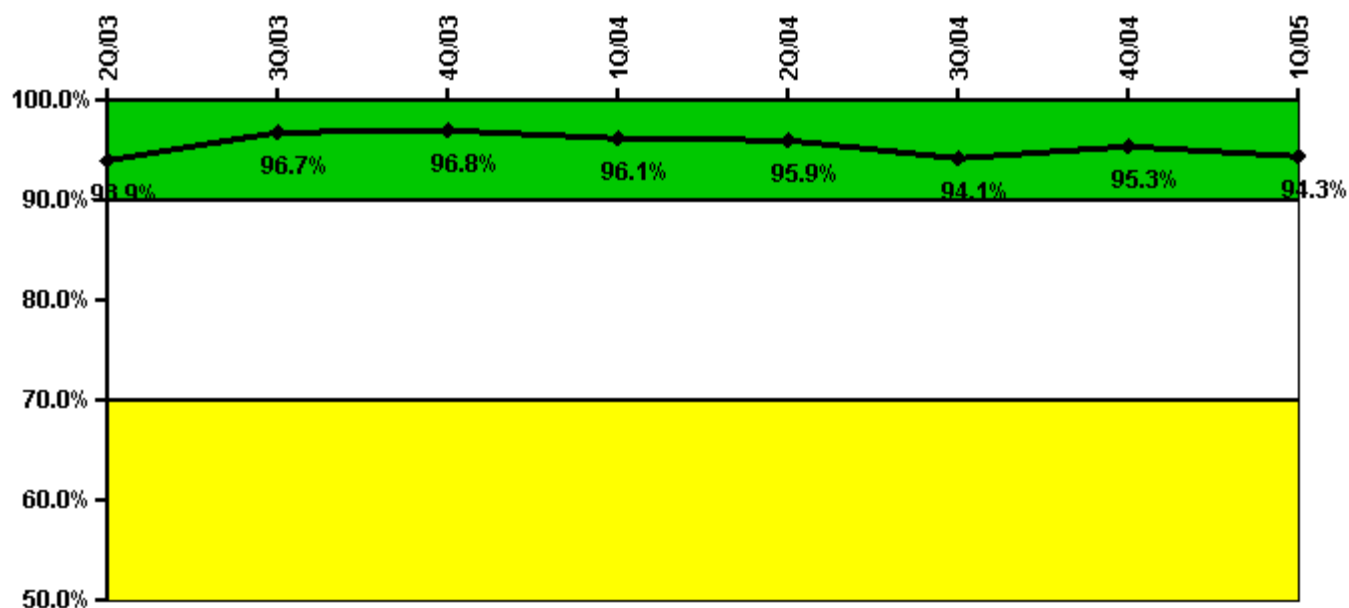
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Leakage | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 | 10/03 | 11/03 | 12/03 | 1/04 | 2/04 | 3/04 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.406 | 0.260 | 0.220 | 0.230 | 0.276 | 0.302 | 0.223 | 0.245 | 0.418 | 0.197 | 0.241 | 0.202 |
| 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 | 4.1 | 2.6 | 2.2 | 2.3 | 2.8 | 3.0 | 2.2 | 2.5 | 4.2 | 2.0 | 2.4 | 2.0 |
| Reactor Coolant System Leakage | 4/04 | 5/04 | 6/04 | 7/04 | 8/04 | 9/04 | 10/04 | 11/04 | 12/04 | 1/05 | 2/05 | 3/05 |
| Maximum leakage | 0.264 | 0.278 | 0.328 | 0.444 | 0.423 | 0.298 | 0.235 | 0.251 | 0.192 | 0.176 | 0.188 | 0.185 |
| 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 | 2.6 | 2.8 | 3.3 | 4.4 | 4.2 | 3.0 | 2.4 | 2.5 | 1.9 | 1.8 | 1.9 | 1.9 |

Licensee Comments: none

Drill/Exercise Performance



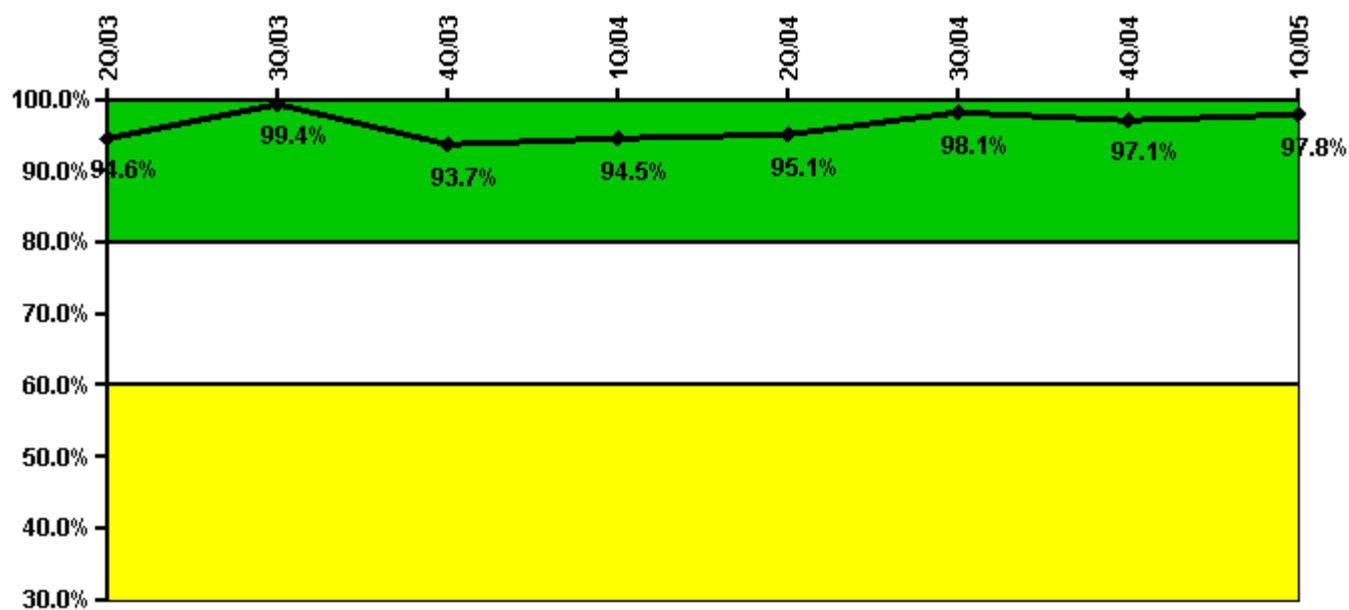
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 78.0 | 80.0 | 22.0 | 25.0 | 19.0 | 66.0 | 15.0 | 56.0 |
| Total opportunities | 78.0 | 82.0 | 22.0 | 28.0 | 20.0 | 76.0 | 15.0 | 62.0 |
| Indicator value | 93.9% | 96.7% | 96.8% | 96.1% | 95.9% | 94.1% | 95.3% | 94.3% |

Licensee Comments: none

ERO Drill Participation



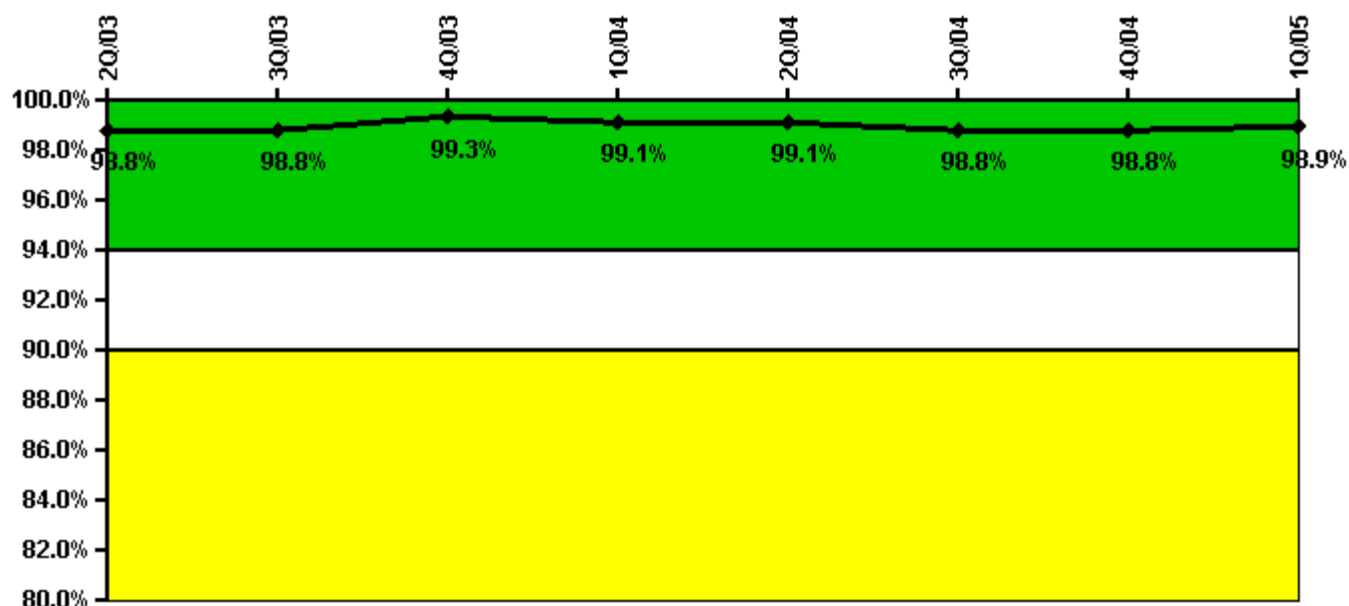
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Participating Key personnel | 175.0 | 159.0 | 149.0 | 154.0 | 154.0 | 156.0 | 133.0 | 134.0 |
| Total Key personnel | 185.0 | 160.0 | 159.0 | 163.0 | 162.0 | 159.0 | 137.0 | 137.0 |
| Indicator value | 94.6% | 99.4% | 93.7% | 94.5% | 95.1% | 98.1% | 97.1% | 97.8% |

Licensee Comments: none

Alert & Notification System



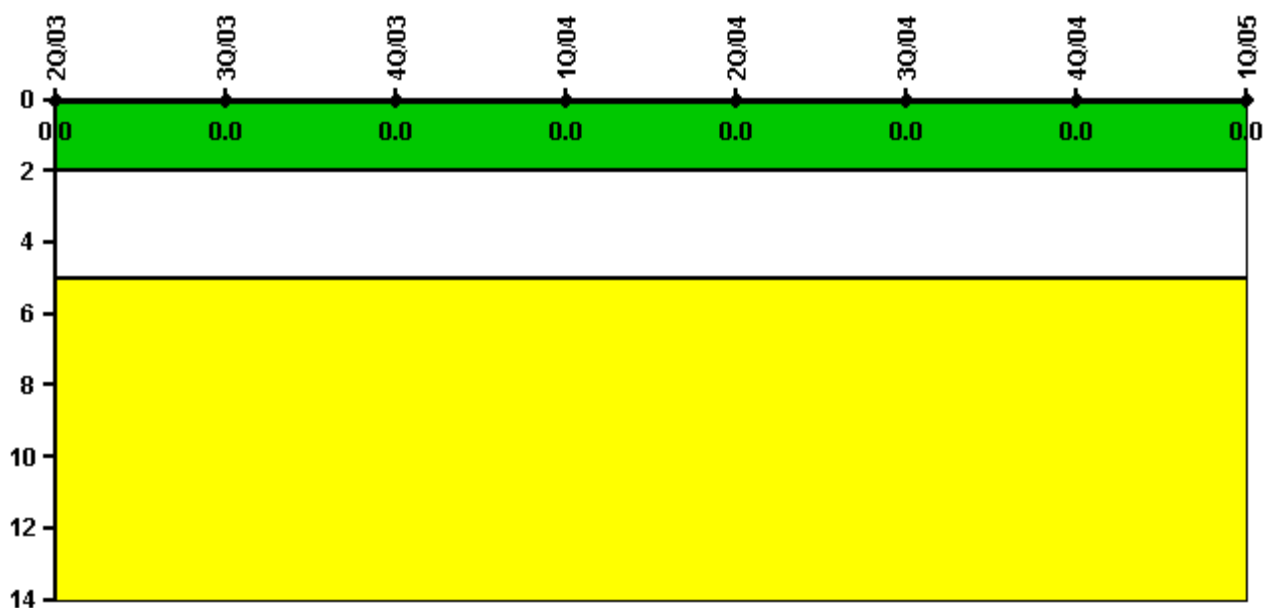
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 2386 | 2457 | 2375 | 2383 | 2384 | 2494 | 2394 | 2391 |
| Total sirens-tests | 2403 | 2492 | 2388 | 2403 | 2403 | 2560 | 2403 | 2403 |
| Indicator value | 98.8% | 98.8% | 99.3% | 99.1% | 99.1% | 98.8% | 98.8% | 98.9% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



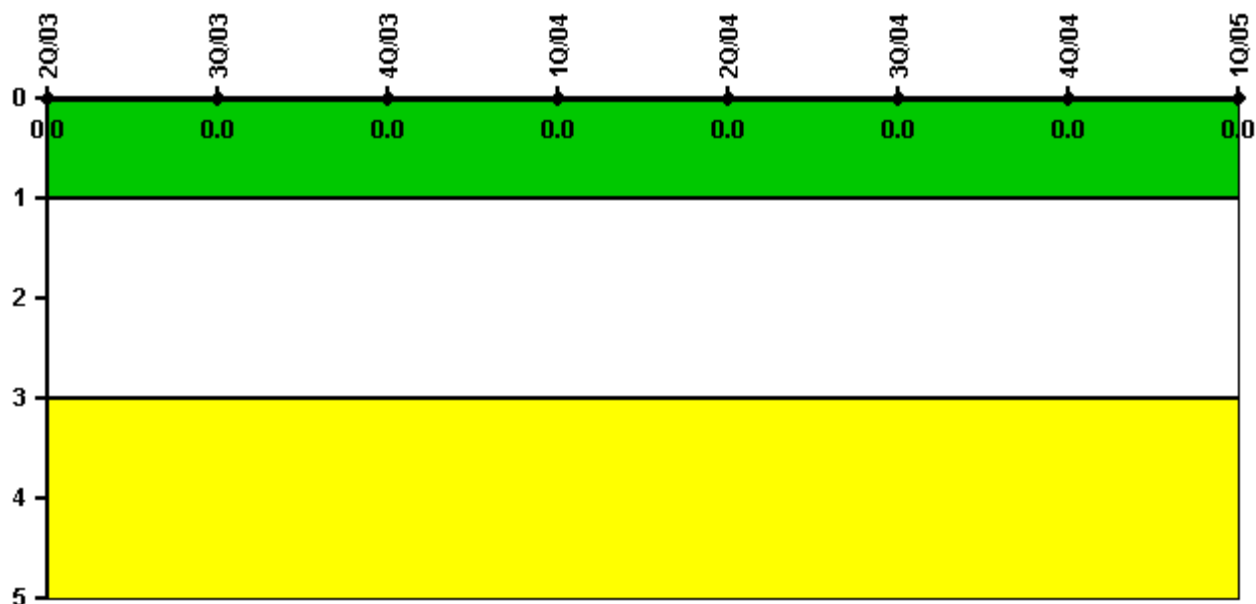
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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: June 17, 2005