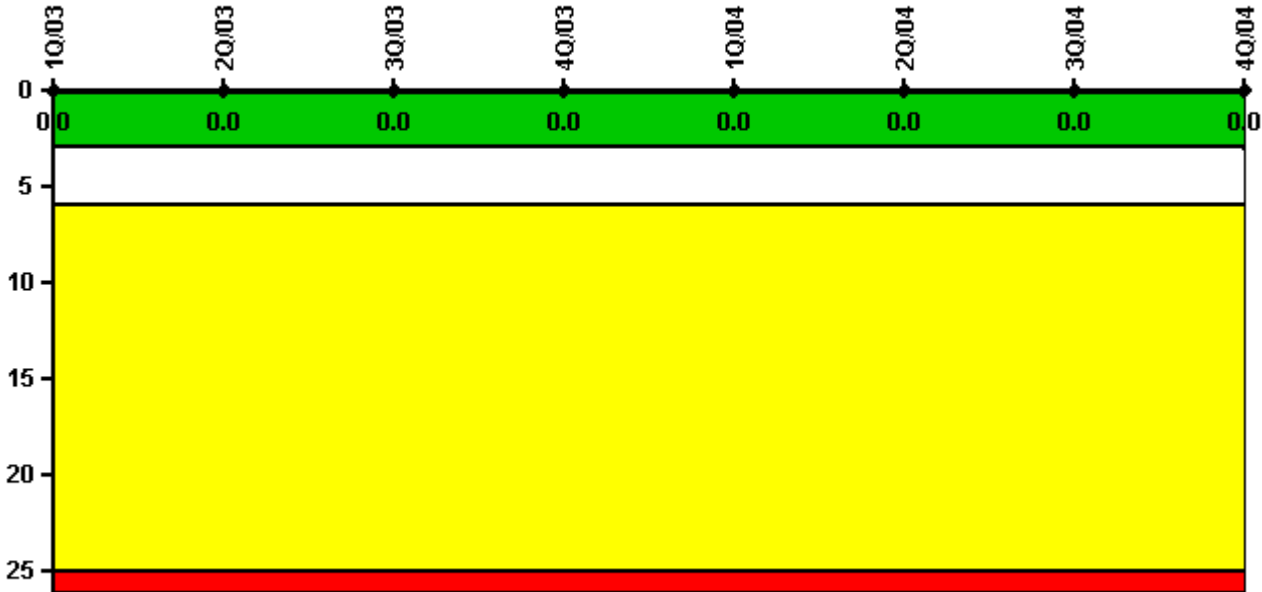


Monticello

4Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



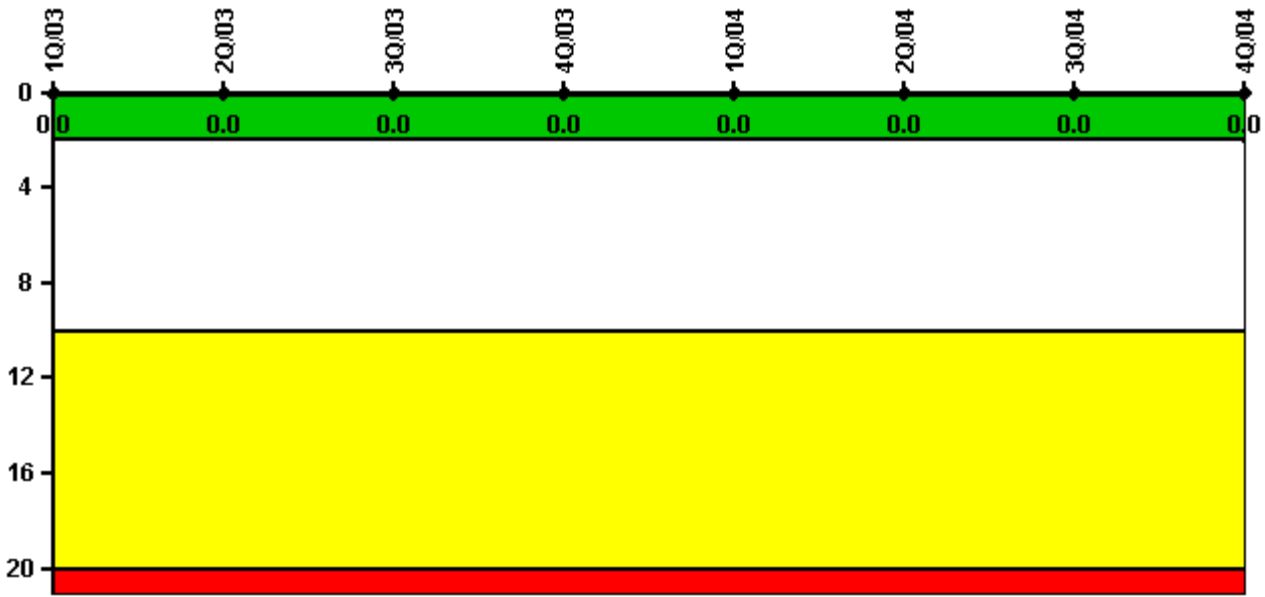
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2160.0 | 1453.7 | 2208.0 | 2209.0 | 2184.0 | 2112.4 | 2208.0 | 2209.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



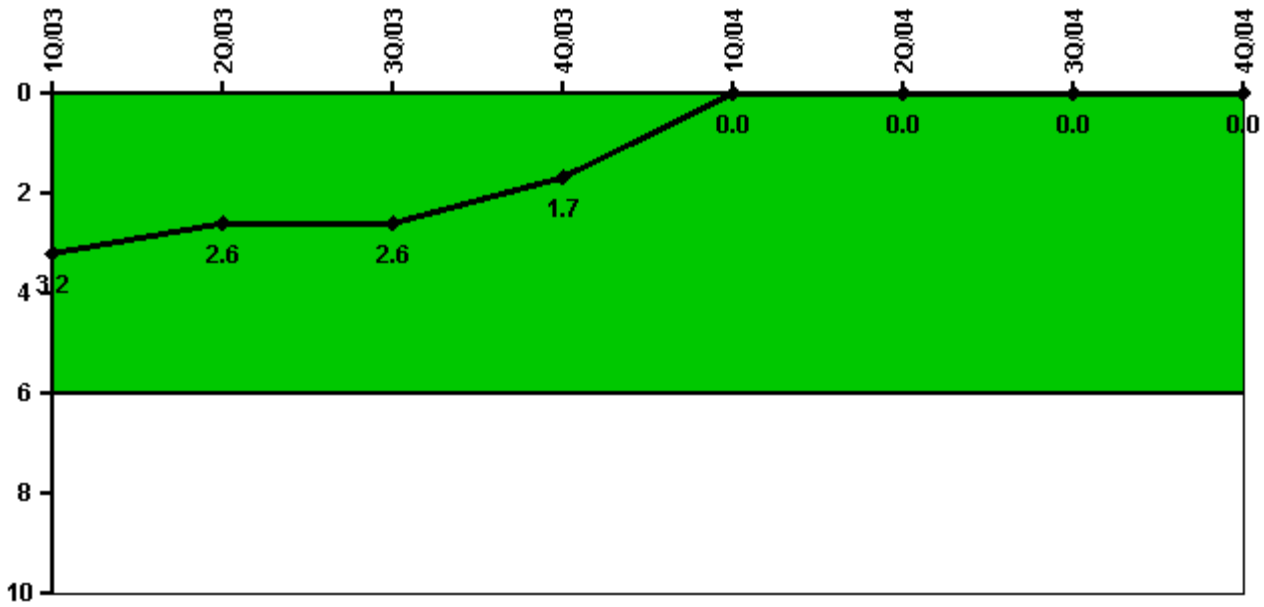
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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



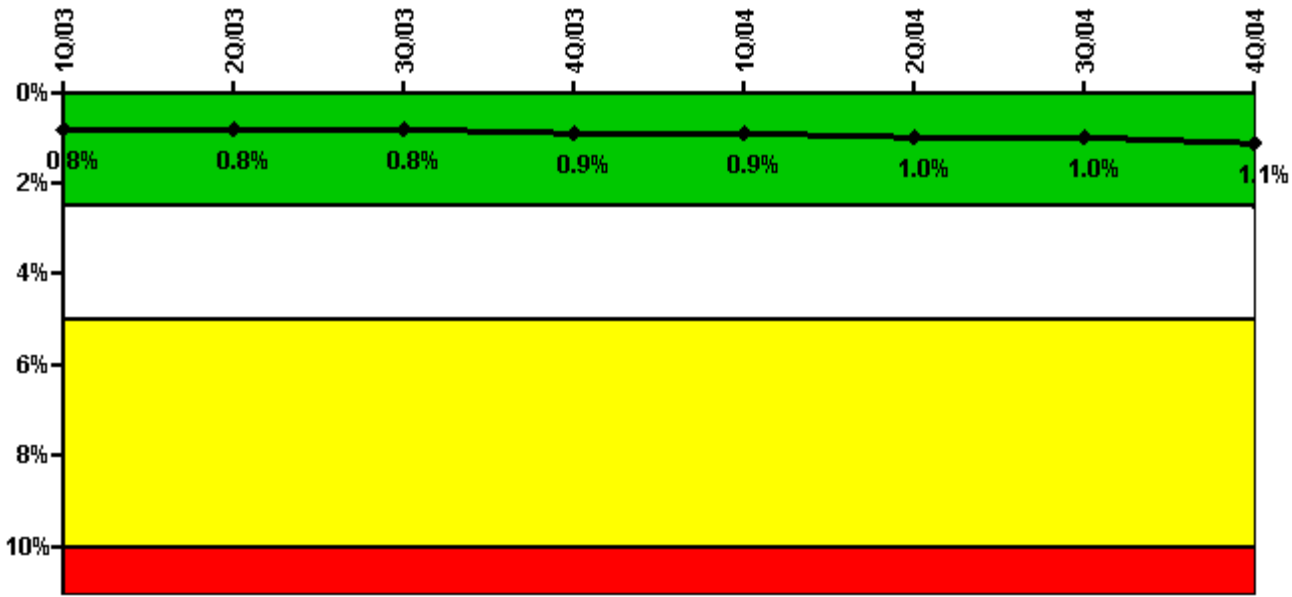
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2160.0 | 1453.7 | 2208.0 | 2209.0 | 2184.0 | 2112.4 | 2208.0 | 2209.0 |
| Indicator value | 3.2 | 2.6 | 2.6 | 1.7 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



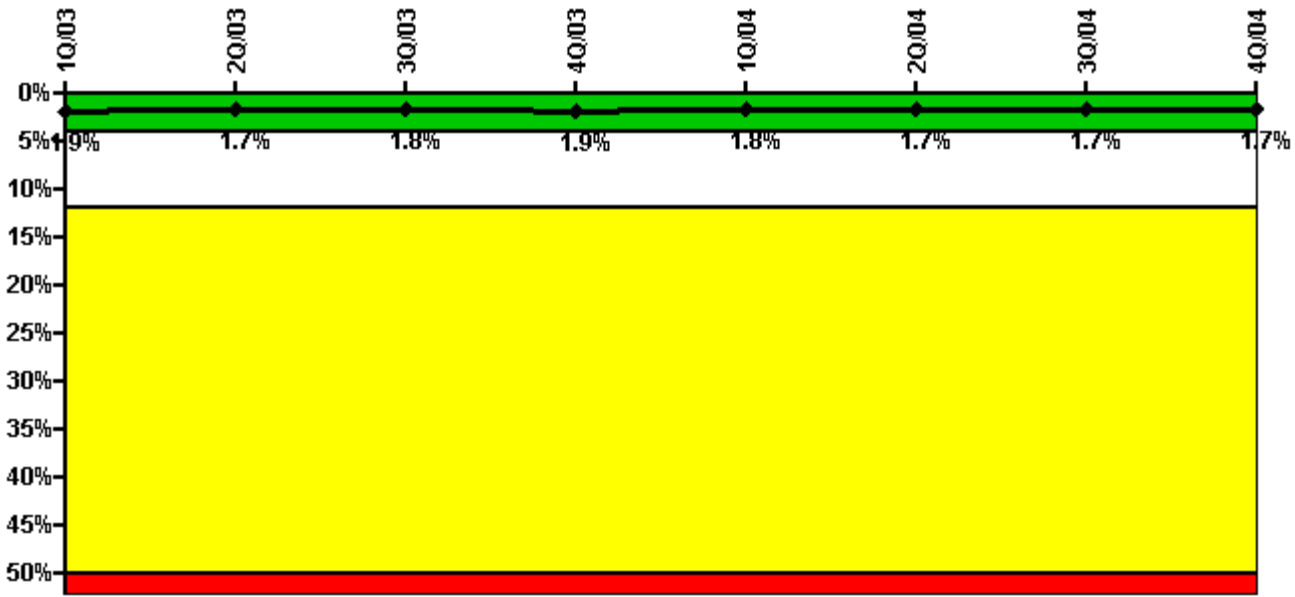
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Emergency AC Power | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 10.82 | 0 | 4.98 | 69.48 | 5.17 | 21.39 | 11.18 | 22.34 |
| Unplanned unavailable hours | 0 | 14.37 | 0 | 0 | 0 | 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 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 32.40 | 5.68 | 7.95 | 21.68 | 14.74 | 24.70 | 11.20 | 62.40 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 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 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| Indicator value | 0.8% | 0.8% | 0.8% | 0.9% | 0.9% | 1.0% | 1.0% | 1.1% |

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)



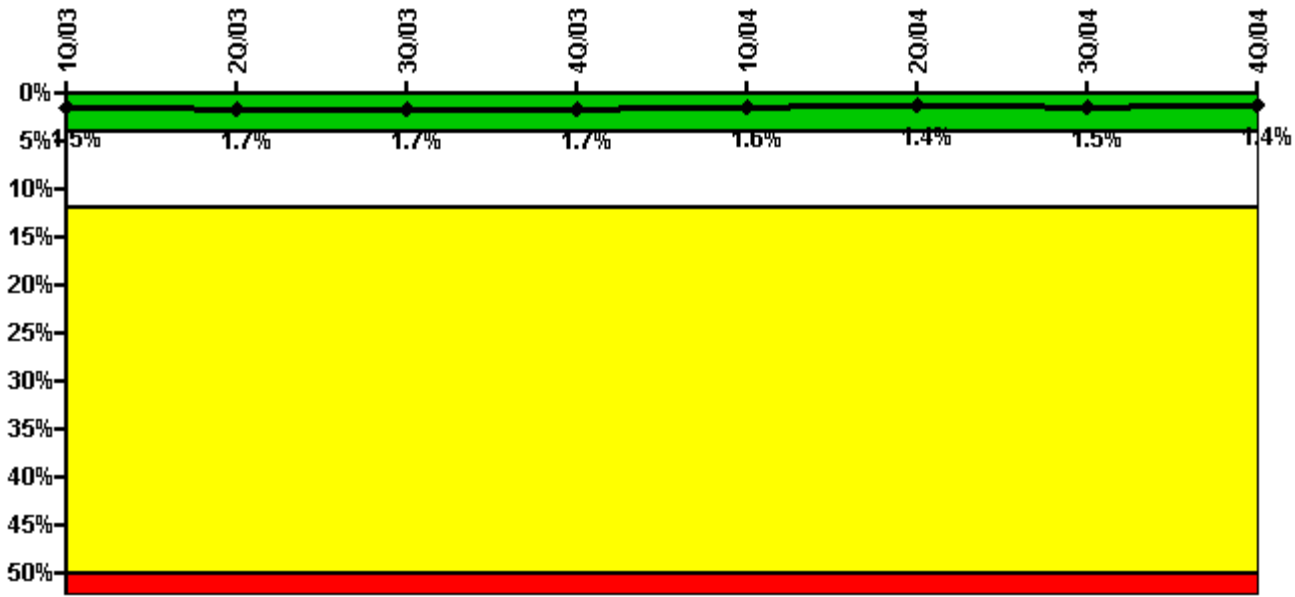
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 37.58 | 10.17 | 20.95 | 41.20 | 13.17 | 13.63 | 8.95 | 36.58 |
| Unplanned unavailable hours | 78.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.30 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 1453.70 | 2208.00 | 2209.00 | 2184.00 | 2112.37 | 2208.00 | 2209.00 |
| Indicator value | 1.9% | 1.7% | 1.8% | 1.9% | 1.8% | 1.7% | 1.7% | 1.7% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



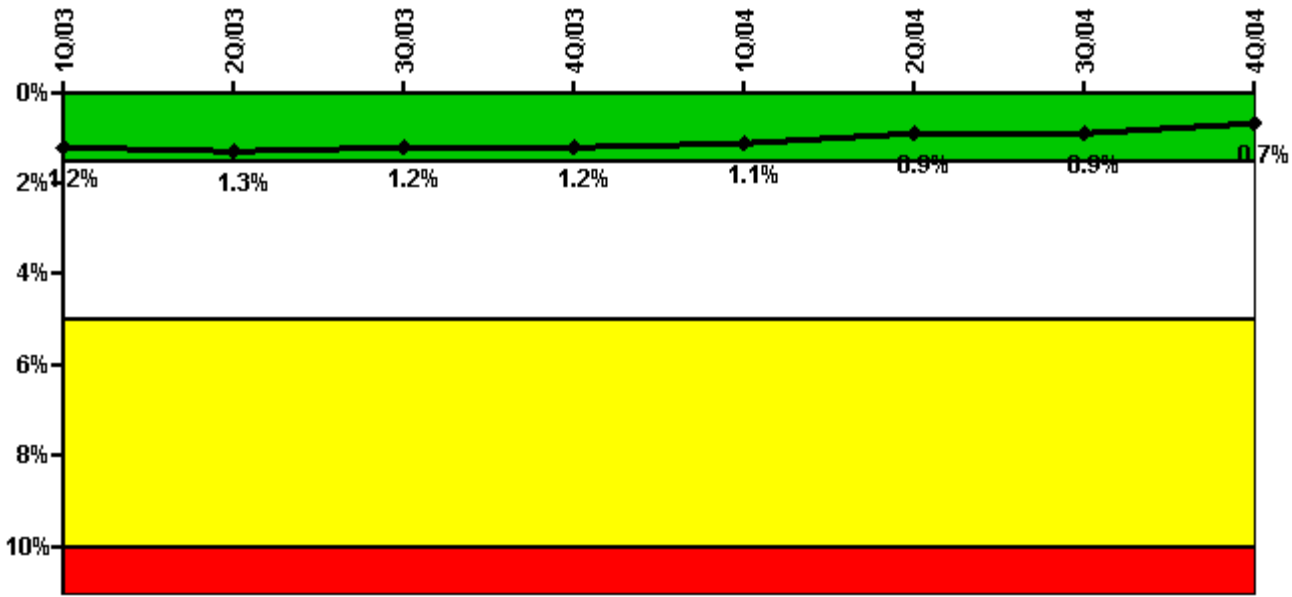
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 78.02 | 35.22 | 22.27 | 8.60 | 19.18 | 21.64 | 27.70 | 24.50 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 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 | 2160.00 | 1453.70 | 2208.00 | 2209.00 | 2184.00 | 2112.37 | 2208.00 | 2209.00 |
| Indicator value | 1.5% | 1.7% | 1.7% | 1.7% | 1.6% | 1.4% | 1.5% | 1.4% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



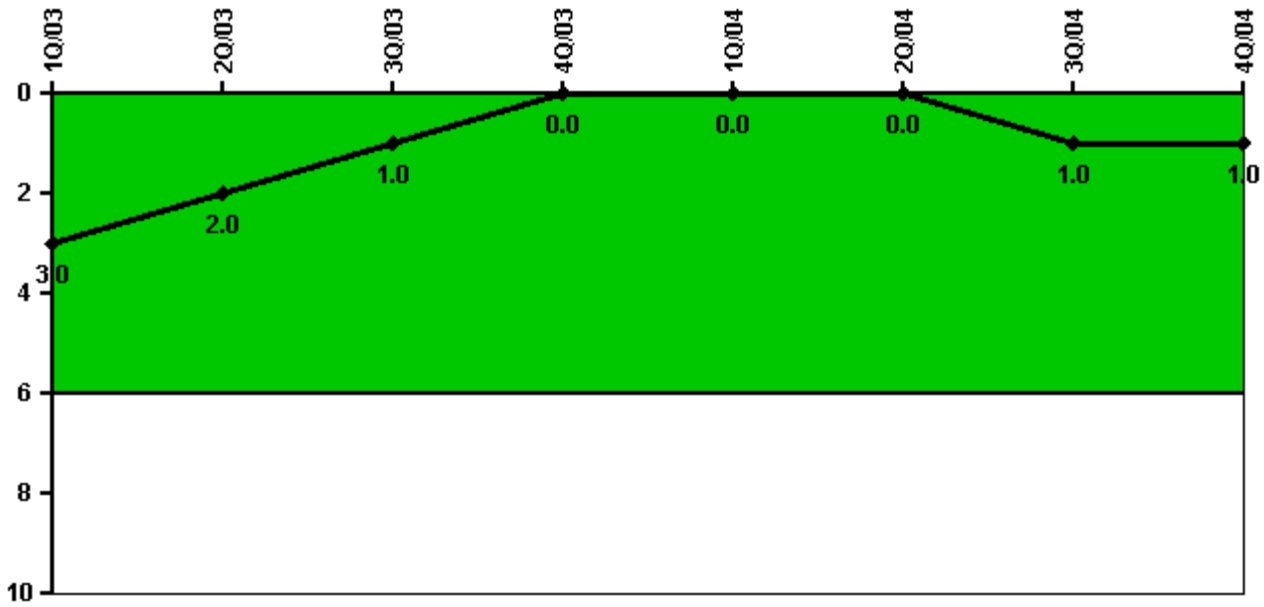
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Residual Heat Removal System | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 7.67 | 9.78 | 6.72 | 0.17 | 21.95 | 40.80 | 0 | 2.52 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 11.15 | 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 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 26.92 | 91.40 | 9.38 | 50.73 | 9.47 | 9.50 | 7.60 | 1.03 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.17 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| Indicator value | 1.2% | 1.3% | 1.2% | 1.2% | 1.1% | 0.9% | 0.9% | 0.7% |

Licensee Comments: none

Safety System Functional Failures (BWR)



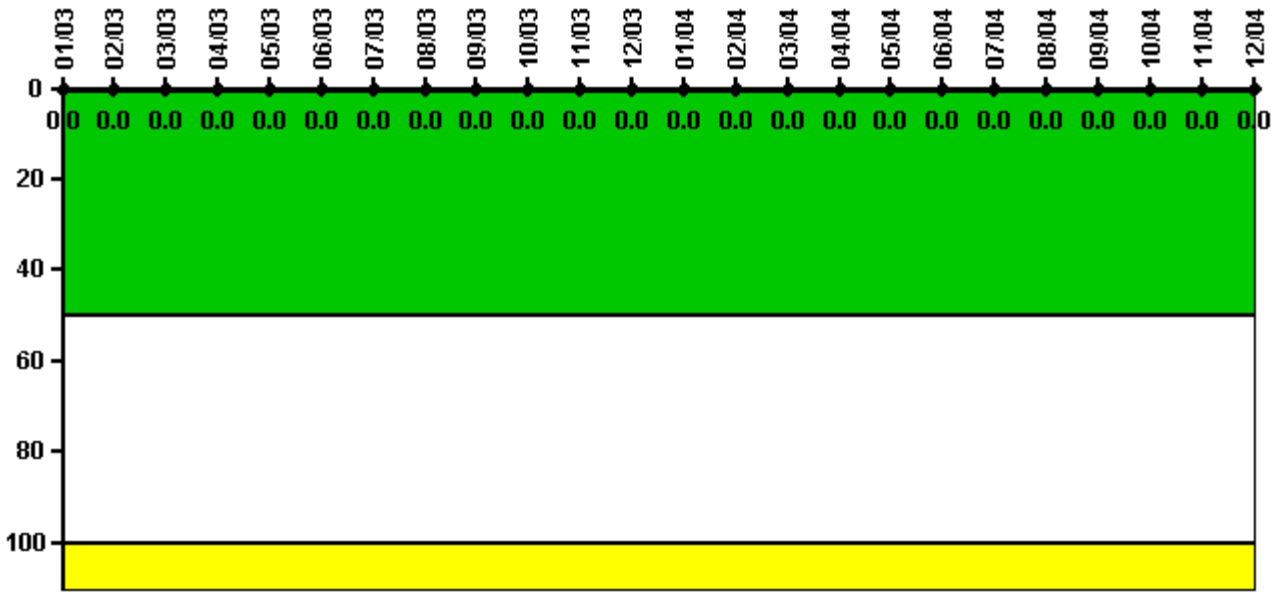
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



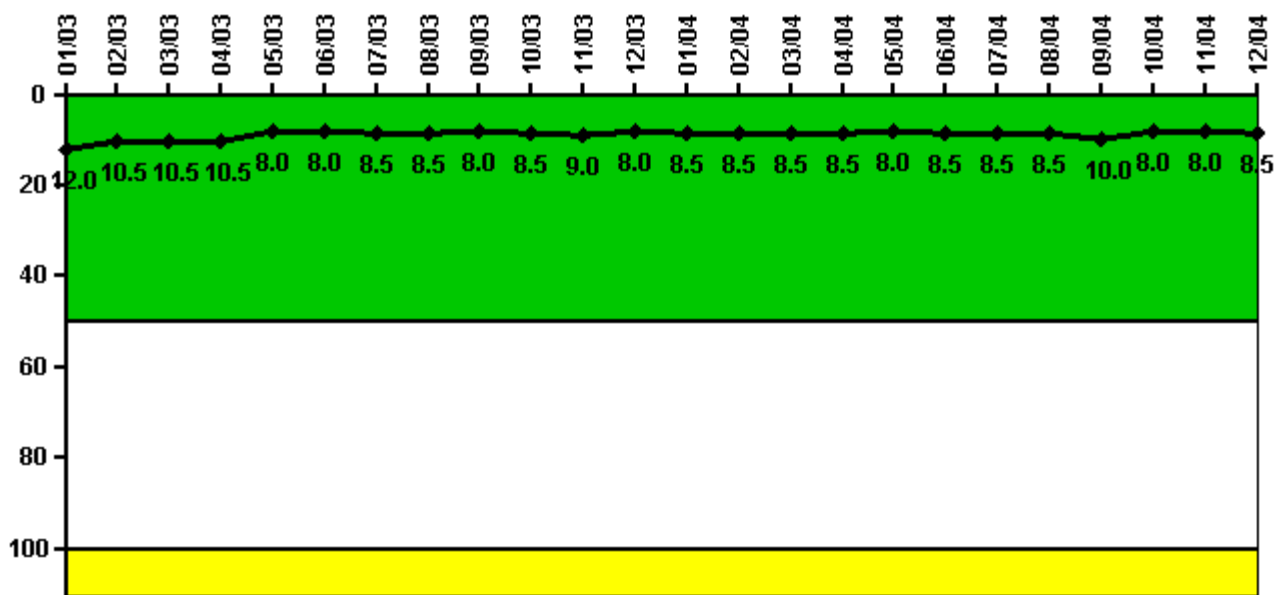
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Activity | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 | 10/03 | 11/03 | 12/03 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000159 | 0.000180 | 0.000153 | 0.000172 | 0.000140 | 0.000154 | 0.000161 | 0.000158 | 0.000178 | 0.000168 | 0.000102 | 0.000096 |
| Technical specification limit | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reactor Coolant System Activity | 1/04 | 2/04 | 3/04 | 4/04 | 5/04 | 6/04 | 7/04 | 8/04 | 9/04 | 10/04 | 11/04 | 12/04 |
| Maximum activity | 0.000098 | 0.000112 | 0.000104 | 0.000126 | 0.000142 | 0.000143 | 0.000134 | 0.000127 | 0.000127 | 0.000136 | 0.000125 | 0.000133 |
| Technical specification limit | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

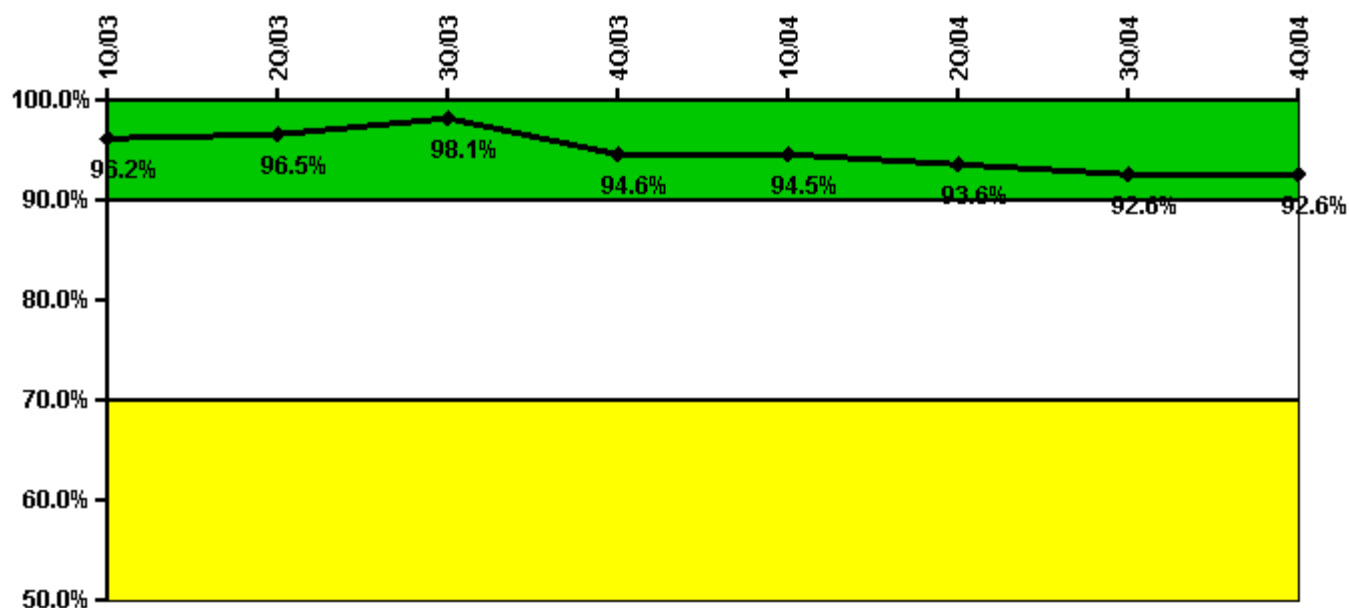
Notes

| Reactor Coolant System Leakage | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 | 10/03 | 11/03 | 12/03 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 2.400 | 2.100 | 2.100 | 2.100 | 1.600 | 1.600 | 1.700 | 1.700 | 1.600 | 1.700 | 1.800 | 1.600 |
| Technical specification limit | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| Indicator value | 12.0 | 10.5 | 10.5 | 10.5 | 8.0 | 8.0 | 8.5 | 8.5 | 8.0 | 8.5 | 9.0 | 8.0 |

| Reactor Coolant System Leakage | 1/04 | 2/04 | 3/04 | 4/04 | 5/04 | 6/04 | 7/04 | 8/04 | 9/04 | 10/04 | 11/04 | 12/04 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 1.700 | 1.700 | 1.700 | 1.700 | 1.600 | 1.700 | 1.700 | 1.700 | 2.000 | 1.600 | 1.600 | 1.700 |
| Technical specification limit | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| Indicator value | 8.5 | 8.5 | 8.5 | 8.5 | 8.0 | 8.5 | 8.5 | 8.5 | 10.0 | 8.0 | 8.0 | 8.5 |

Licensee Comments: none

Drill/Exercise Performance



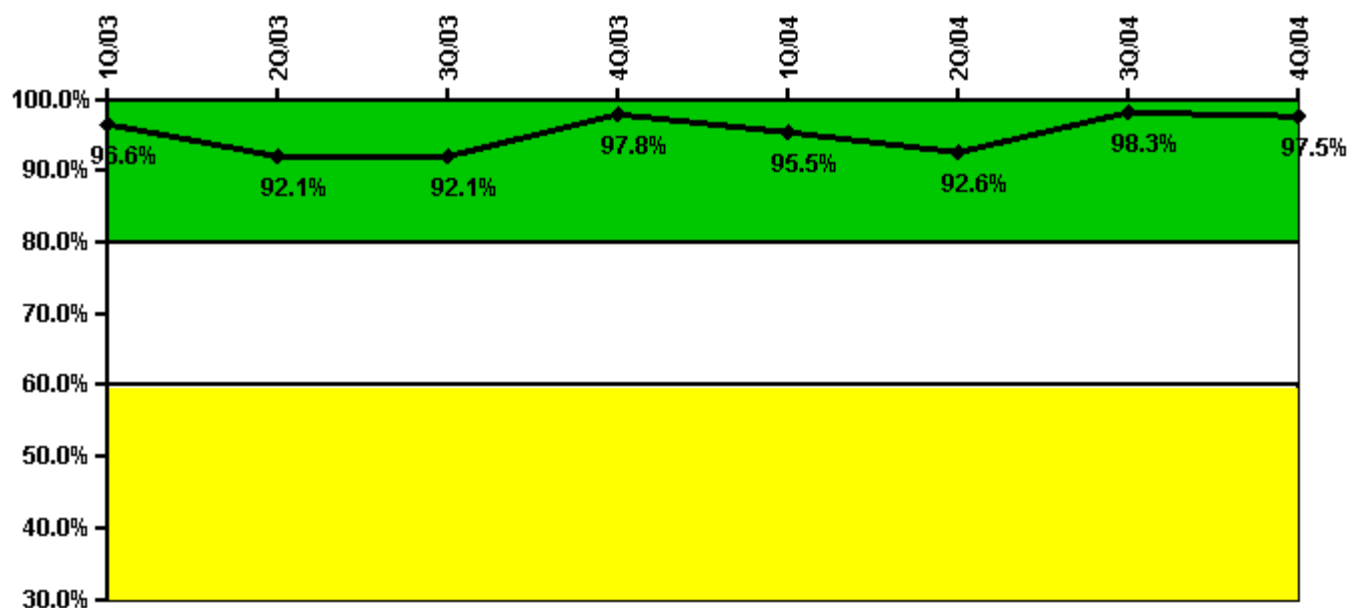
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 46.0 | 14.0 | 19.0 | 35.0 | 62.0 | 29.0 | 32.0 | 27.0 |
| Total opportunities | 47.0 | 15.0 | 19.0 | 45.0 | 64.0 | 31.0 | 35.0 | 29.0 |
| Indicator value | 96.2% | 96.5% | 98.1% | 94.6% | 94.5% | 93.6% | 92.6% | 92.6% |

Licensee Comments: none

ERO Drill Participation



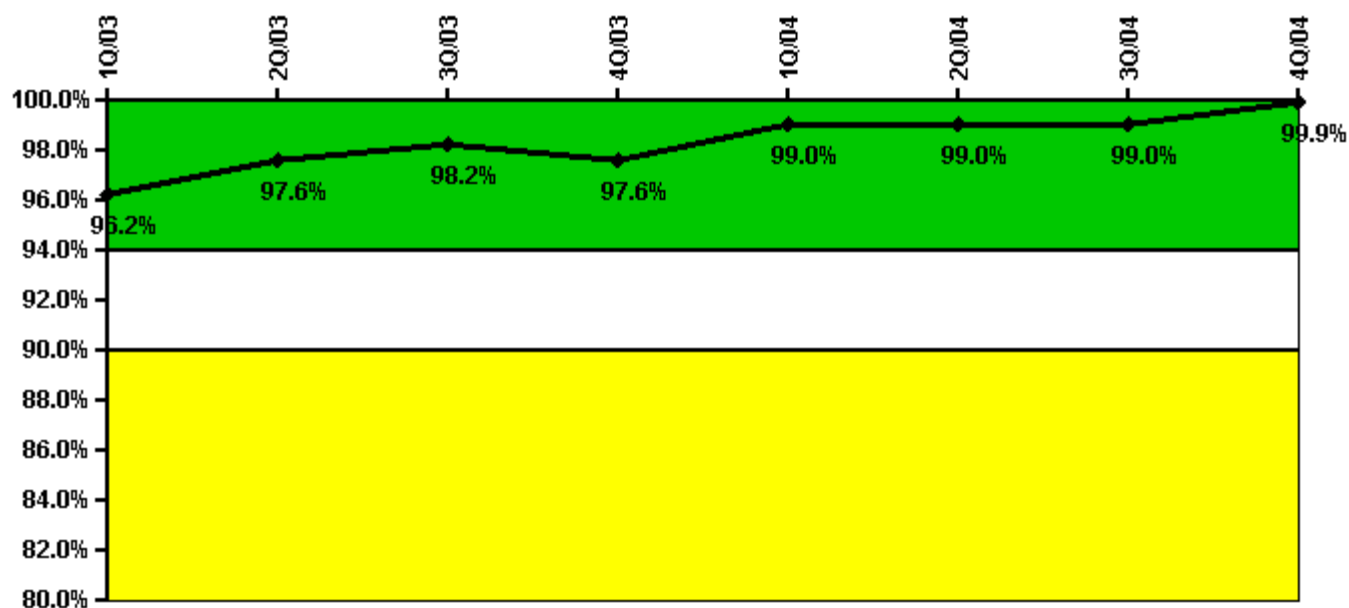
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Participating Key personnel | 85.0 | 82.0 | 82.0 | 91.0 | 85.0 | 88.0 | 116.0 | 116.0 |
| Total Key personnel | 88.0 | 89.0 | 89.0 | 93.0 | 89.0 | 95.0 | 118.0 | 119.0 |
| Indicator value | 96.6% | 92.1% | 92.1% | 97.8% | 95.5% | 92.6% | 98.3% | 97.5% |

Licensee Comments: none

Alert & Notification System



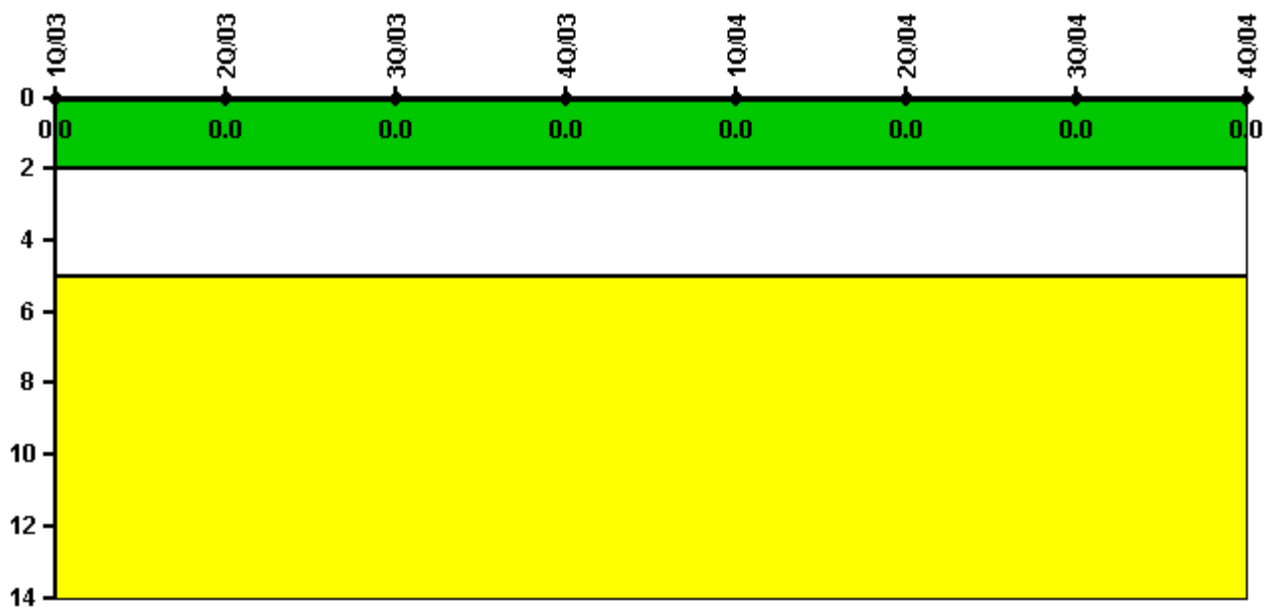
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 1008 | 1183 | 1182 | 1226 | 1182 | 1222 | 1235 | 1231 |
| Total sirens-tests | 1073 | 1183 | 1183 | 1274 | 1183 | 1223 | 1235 | 1235 |
| Indicator value | 96.2% | 97.6% | 98.2% | 97.6% | 99.0% | 99.0% | 99.0% | 99.9% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



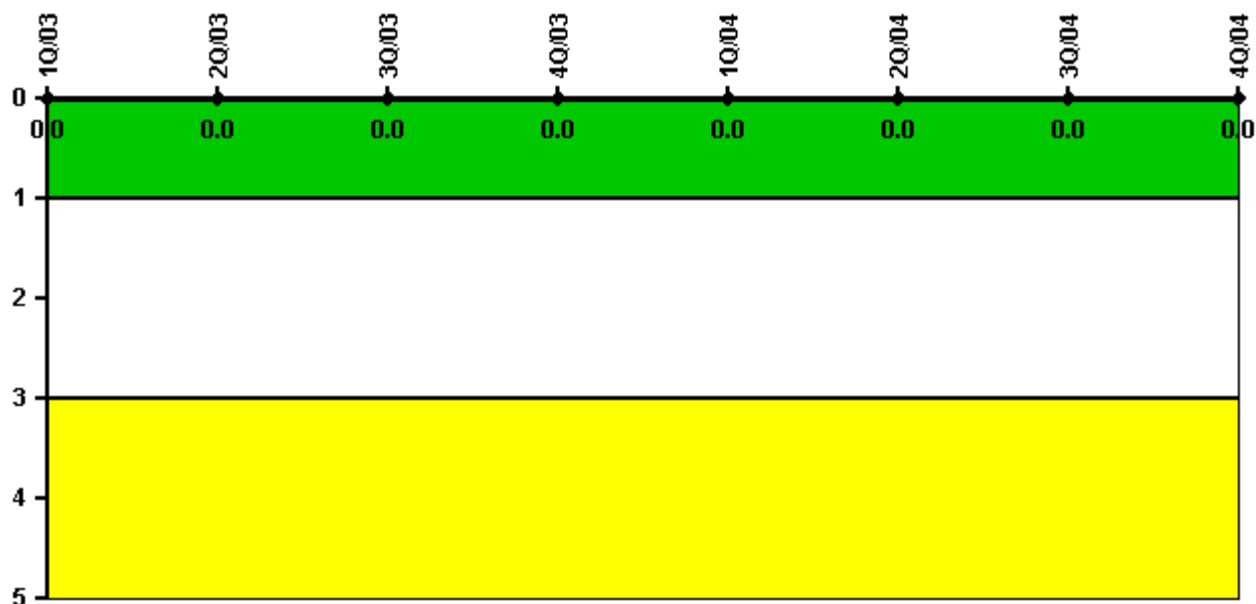
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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: March 9, 2005