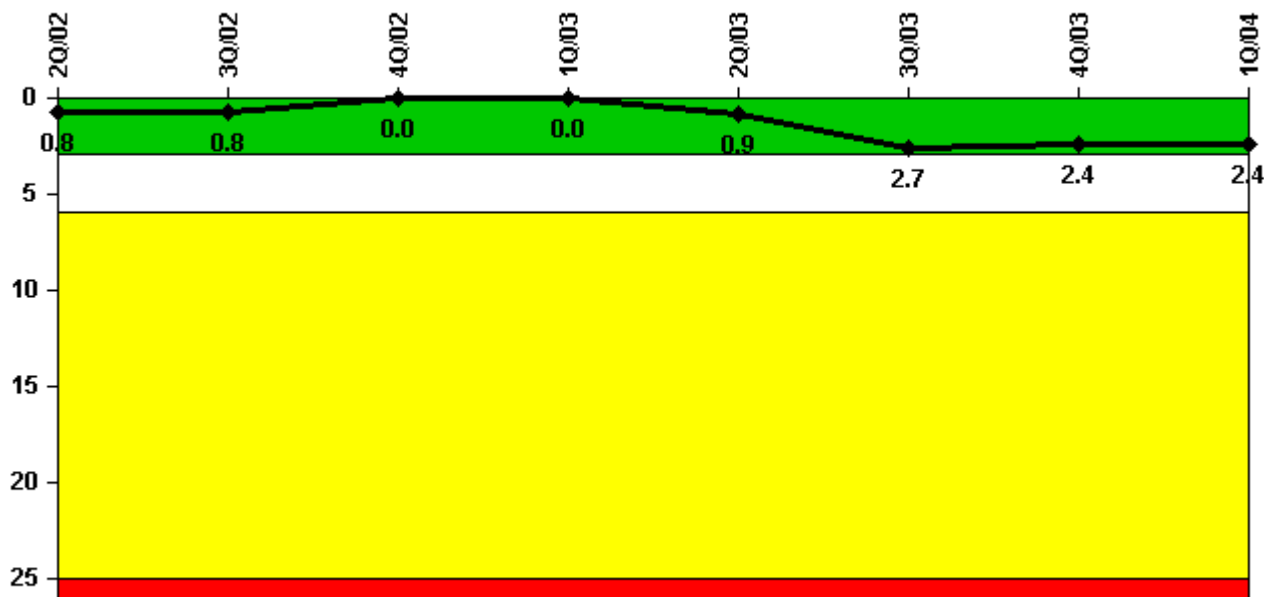


Indian Point 2

1Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



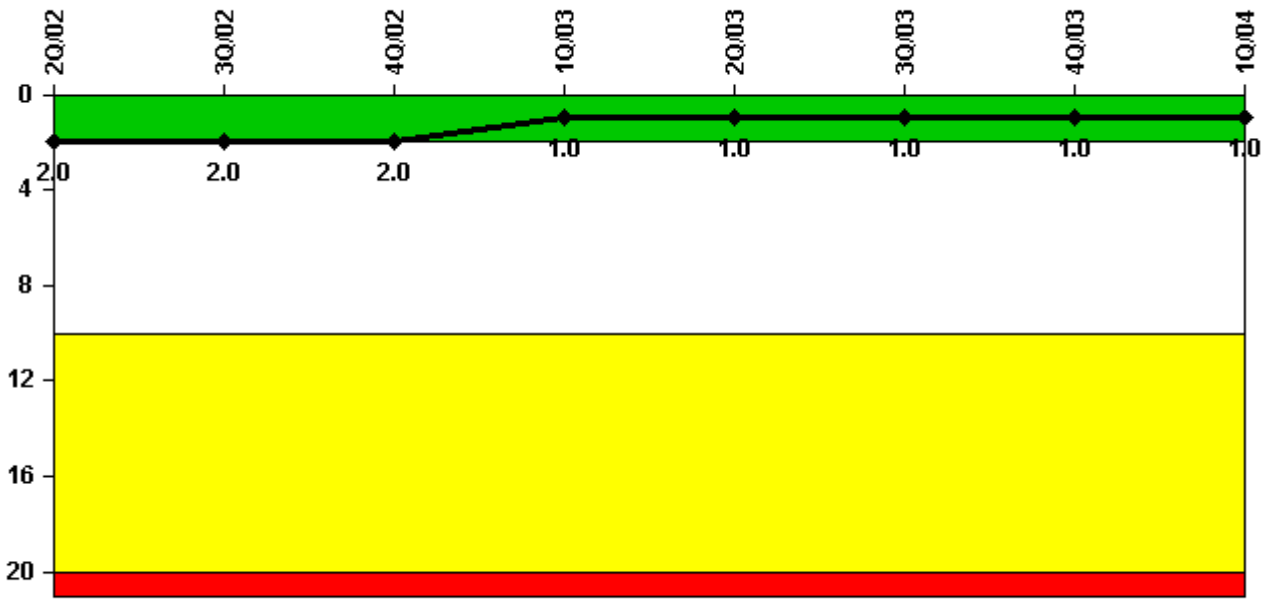
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|--|------------|------------|----------|----------|------------|------------|------------|------------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 1.0 | 2.0 | 0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 1449.9 | 2160.0 | 2149.7 | 2146.2 | 2209.0 | 2184.0 |
| | | | | | | | | |
| Indicator value | 0.8 | 0.8 | 0 | 0 | 0.9 | 2.7 | 2.4 | 2.4 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



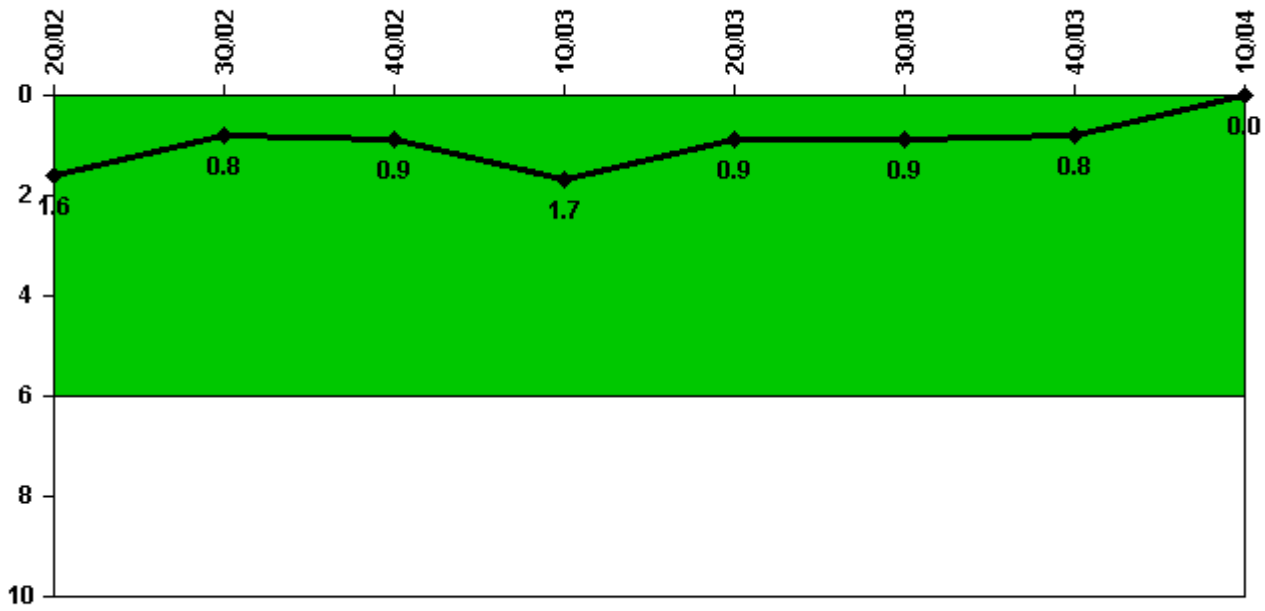
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



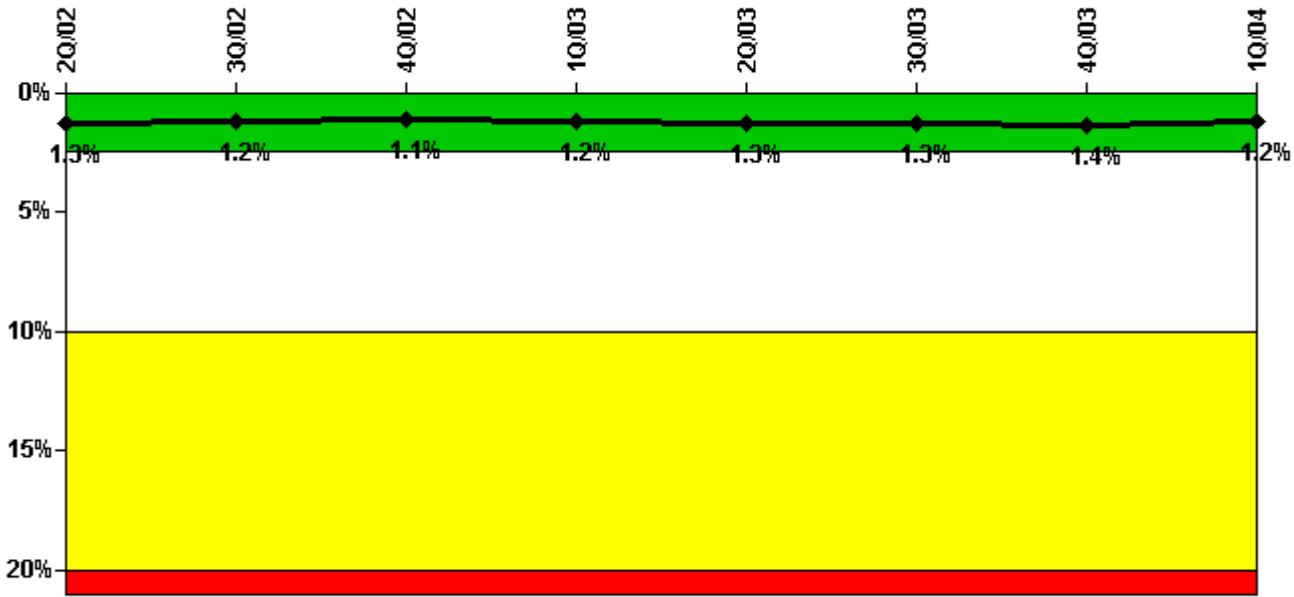
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 1.0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 1449.9 | 2160.0 | 2149.7 | 2146.2 | 2209.0 | 2184.0 |
| Indicator value | 1.6 | 0.8 | 0.9 | 1.7 | 0.9 | 0.9 | 0.8 | 0 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



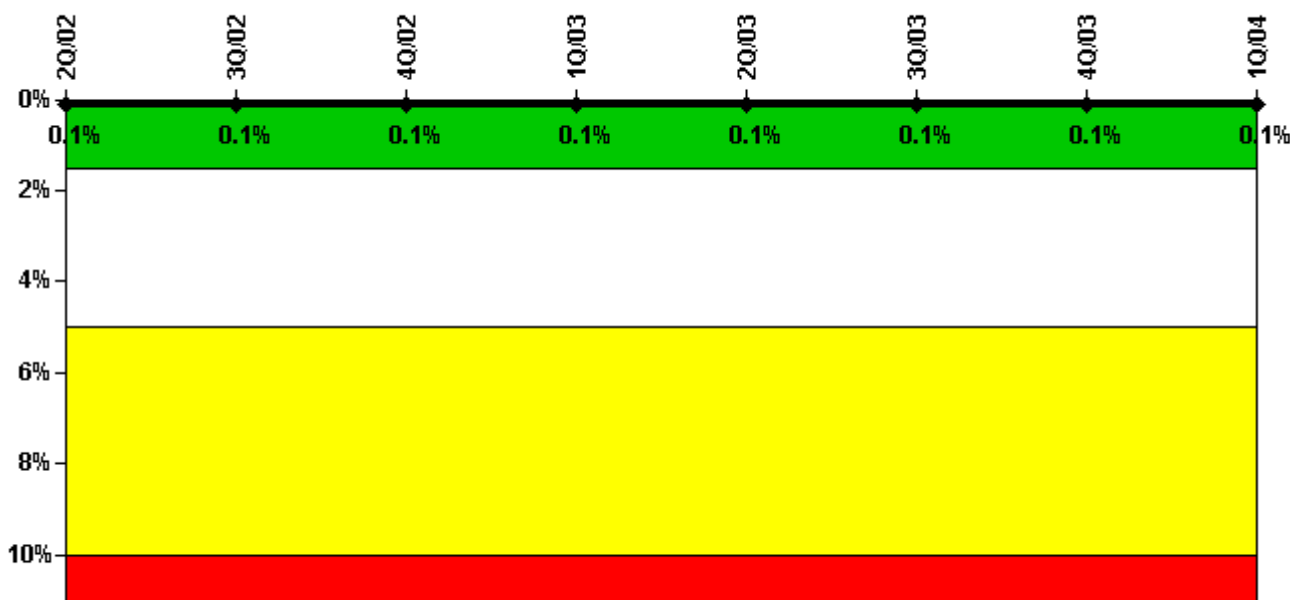
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 21.17 | 4.88 | 0 | 68.27 | 11.35 | 0 | 0 | 30.01 |
| Unplanned unavailable hours | 0 | 0 | 23.97 | 0 | 0 | 6.57 | 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 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 2.00 | 21.25 | 0 | 25.52 | 17.73 |
| Unplanned unavailable hours | 0 | 29.45 | 4.57 | 0 | 9.42 | 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 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0.60 | 0.22 | 46.45 | 0 | 22.90 | 8.00 |
| Unplanned unavailable hours | 0 | 0 | 28.85 | 46.16 | 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 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| Indicator value | 1.3% | 1.2% | 1.1% | 1.2% | 1.3% | 1.3% | 1.4% | 1.2% |

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



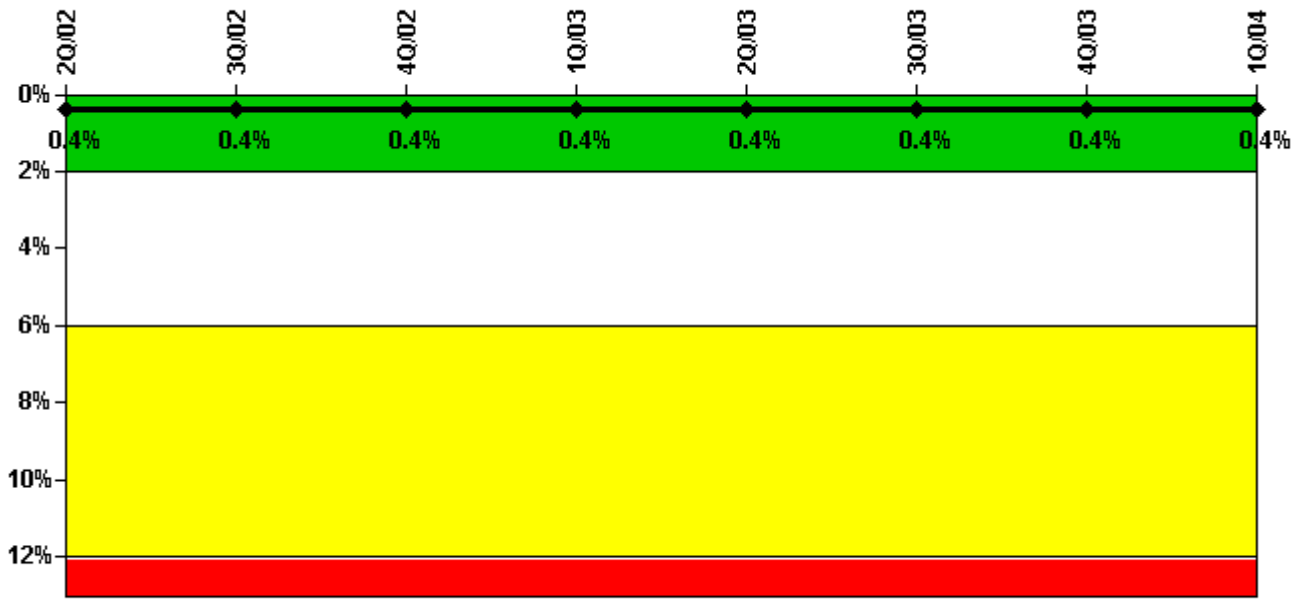
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 6.00 | 0 | 12.00 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0.25 | 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 | 2183.00 | 2208.00 | 1449.87 | 2160.00 | 2183.00 | 2146.00 | 2209.00 | 2184.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0 | 1.43 | 0 | 0.50 | 4.76 | 0 | 3.00 | 2.57 |
| Unplanned unavailable hours | 13.30 | 0 | 0 | 0 | 0 | 0 | 4.50 | 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 | 1449.87 | 2160.00 | 2183.00 | 2146.00 | 2209.00 | 2184.00 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 7.20 | 0 | 2.82 | 2.00 | 8.65 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 6.00 | 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 | 1449.87 | 2160.00 | 2183.00 | 2146.00 | 2209.00 | 2184.00 |
| Indicator value | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



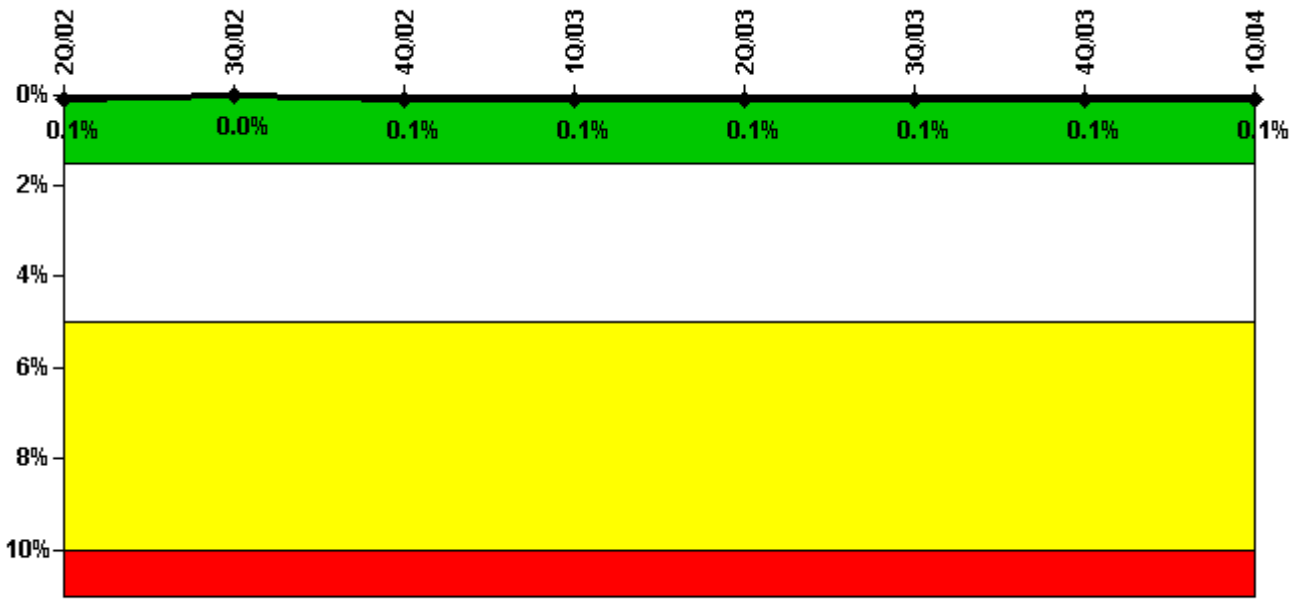
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

| Safety System Unavailability, Heat Removal System (AFW) | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 3.56 | 6.75 | 18.75 | 16.38 | 1.50 | 13.60 | 12.00 |
| Unplanned unavailable hours | 7.82 | 0 | 0 | 0 | 0 | 0.16 | 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 | 1449.87 | 2160.00 | 2149.70 | 2146.00 | 2209.00 | 2184.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 10.00 | 14.32 | 0.50 | 19.63 | 13.25 | 2.50 | 4.30 | 7.11 |
| Unplanned unavailable hours | 0 | 0.33 | 0 | 0 | 0 | 0 | 7.27 | 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 | 1449.87 | 2160.00 | 2149.70 | 2146.00 | 2209.00 | 2184.00 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 0.51 | 8.08 | 0.38 | 4.50 | 9.43 | 0 | 11.60 | 4.70 |
| 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 | 2183.00 | 2208.00 | 1449.87 | 2160.00 | 2149.70 | 2146.00 | 2209.00 | 2184.00 |
| Indicator value | 0.4% | 0.4% | 0.4% | 0.4% | 0.4% | 0.4% | 0.4% | 0.4% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



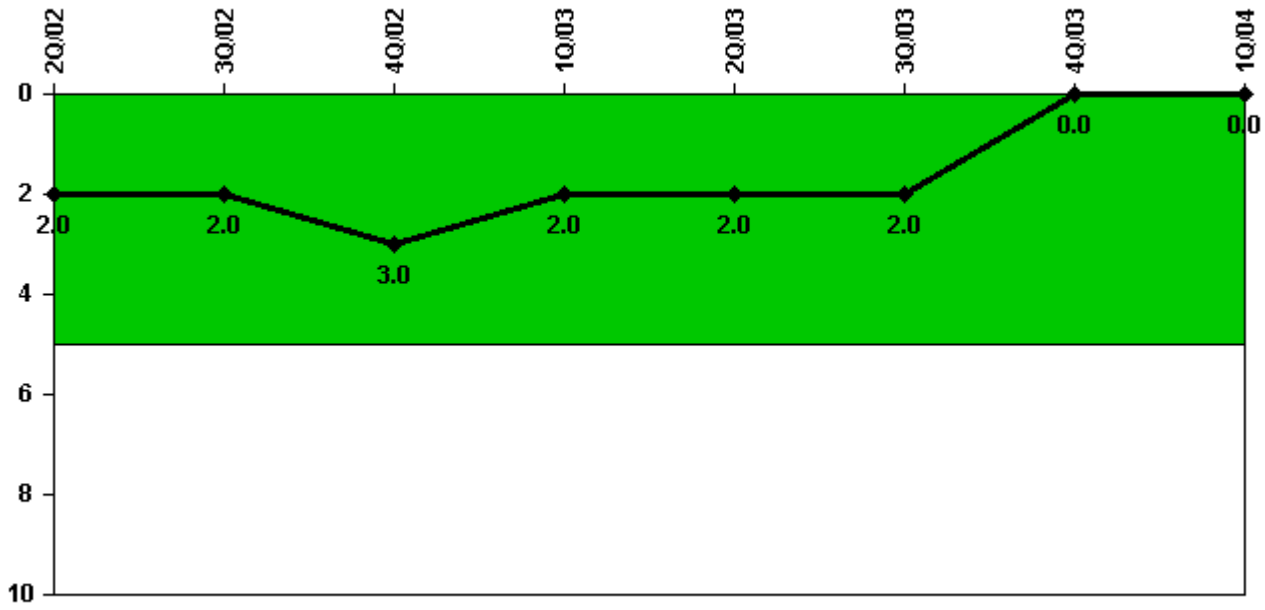
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Residual Heat Removal System | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|--|-------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 0.32 | 0 | 5.50 | 0 | 0.33 | 0 | 6.60 |
| Unplanned unavailable hours | 0 | 0 | 19.30 | 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 | 2183.00 | 2208.00 | 2042.60 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0 | 0.57 | 0 | 5.80 | 0.56 | 0 | 0 | 3.50 |
| Unplanned unavailable hours | 0 | 0 | 0 | 24.00 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 3.00 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2042.60 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0.25 | 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 | 2183.00 | 2208.00 | 1449.87 | 2160.00 | 2183.00 | 2146.00 | 2209.00 | 2184.00 |
| Train 4 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 24.00 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 3.00 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 1449.87 | 2160.00 | 2183.00 | 2146.00 | 2209.00 | 2184.00 |
| Indicator value | 0.1% | 0% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% |

Licensee Comments: none

Safety System Functional Failures (PWR)



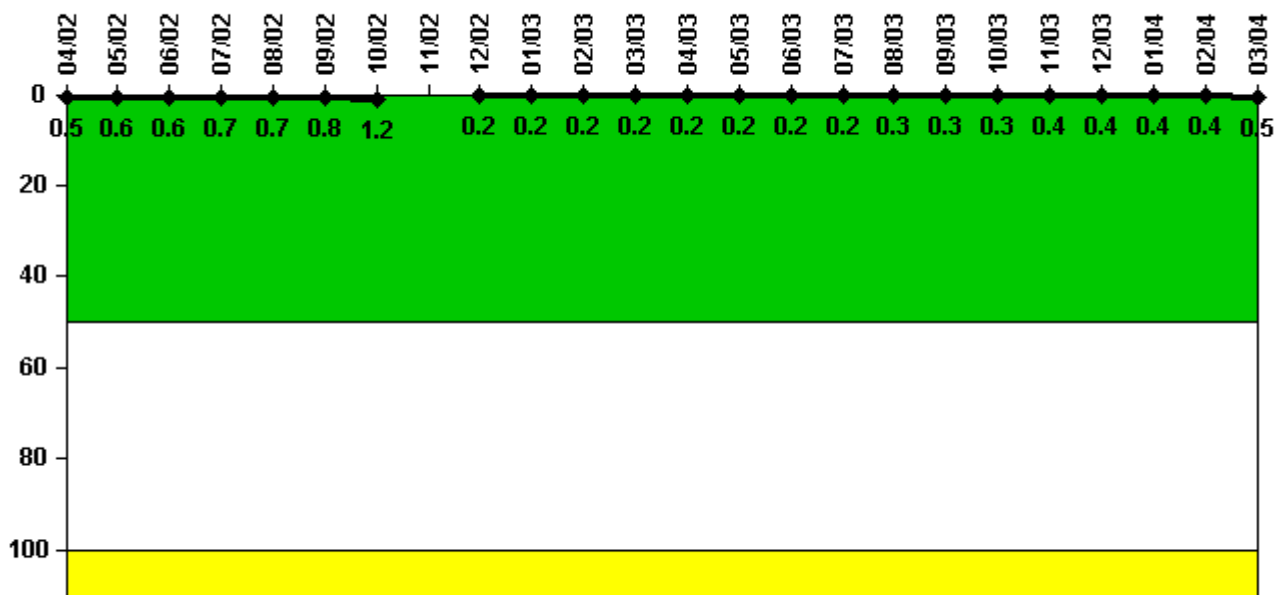
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 2 | 2 | 3 | 2 | 2 | 2 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

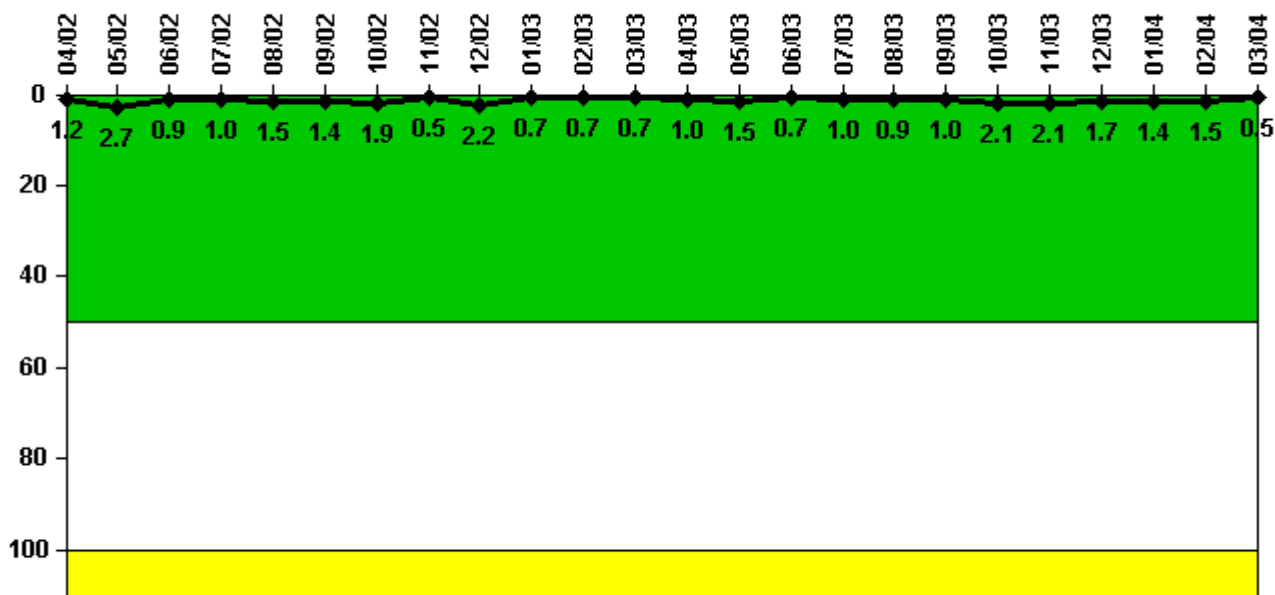
Notes

| Reactor Coolant System Activity | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|-------|----------|----------|----------|----------|
| Maximum activity | 0.004900 | 0.005800 | 0.006400 | 0.006600 | 0.007200 | 0.007700 | 0.012000 | N/A | 0.001600 | 0.001800 | 0.001900 | 0.002100 |
| 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 | 0.5 | 0.6 | 0.6 | 0.7 | 0.7 | 0.8 | 1.2 | N/A | 0.2 | 0.2 | 0.2 | 0.2 |

| 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 | 0.002100 | 0.002200 | 0.002300 | 0.002200 | 0.002800 | 0.003100 | 0.003330 | 0.004160 | 0.004110 | 0.004230 | 0.004400 | 0.004620 |
| 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 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 |

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

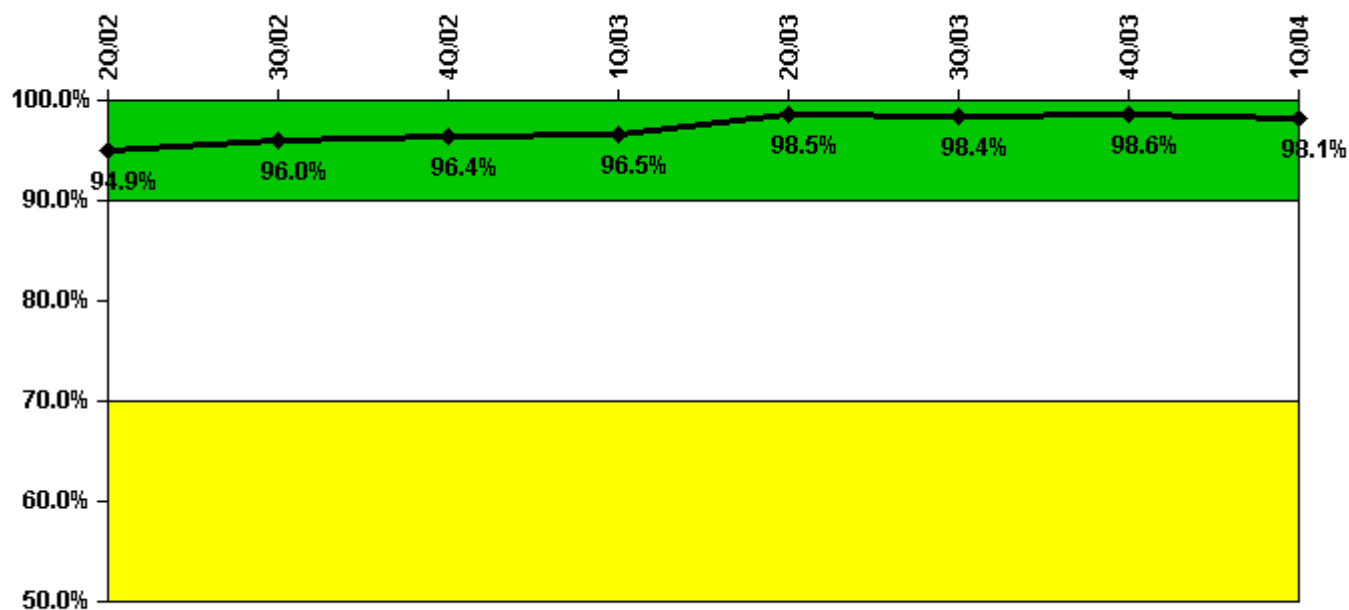
Notes

| Reactor Coolant System Leakage | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.118 | 0.269 | 0.090 | 0.099 | 0.154 | 0.143 | 0.190 | 0.052 | 0.224 | 0.067 | 0.070 | 0.070 |
| 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 | 1.2 | 2.7 | 0.9 | 1.0 | 1.5 | 1.4 | 1.9 | 0.5 | 2.2 | 0.7 | 0.7 | 0.7 |

| 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 | 0.102 | 0.148 | 0.075 | 0.097 | 0.093 | 0.096 | 0.211 | 0.211 | 0.168 | 0.139 | 0.147 | 0.050 |
| 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 | 1.0 | 1.5 | 0.7 | 1.0 | 0.9 | 1.0 | 2.1 | 2.1 | 1.7 | 1.4 | 1.5 | 0.5 |

Licensee Comments: none

Drill/Exercise Performance



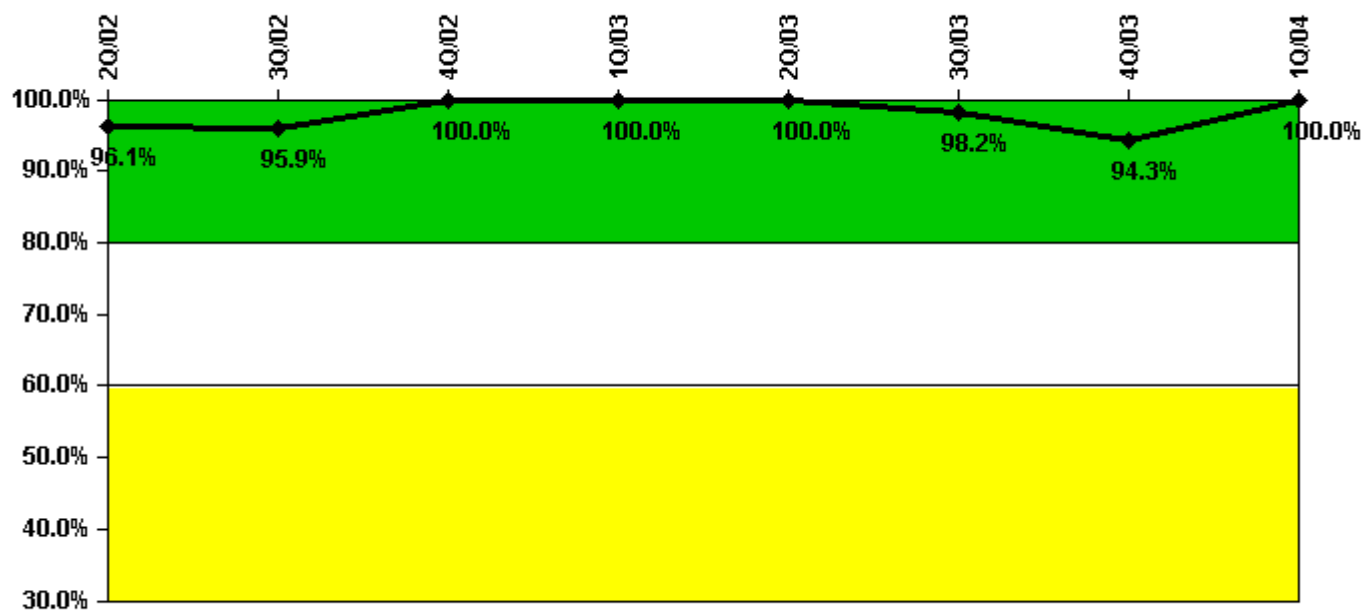
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 22.0 | 50.0 | 2.0 | 7.0 | 9.0 | 21.0 | 24.0 | 21.0 |
| Total opportunities | 24.0 | 50.0 | 2.0 | 7.0 | 9.0 | 21.0 | 24.0 | 22.0 |
| | | | | | | | | |
| Indicator value | 94.9% | 96.0% | 96.4% | 96.5% | 98.5% | 98.4% | 98.6% | 98.1% |

Licensee Comments: none

ERO Drill Participation



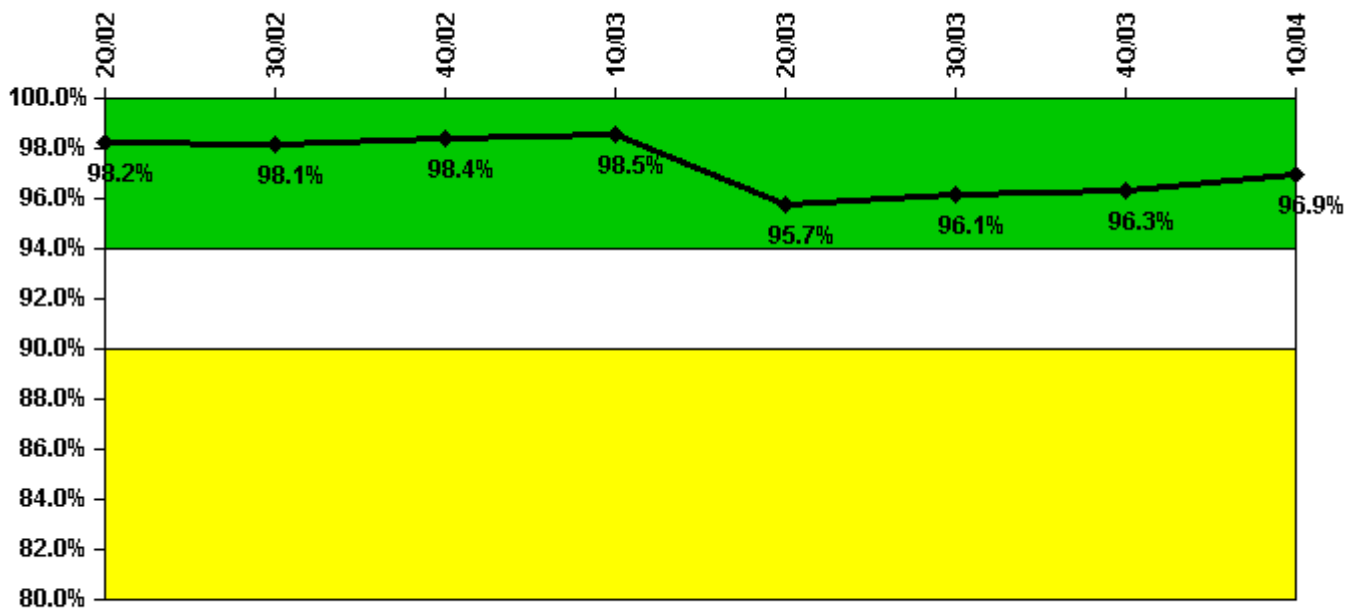
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|-----------------------------|-------|-------|--------|--------|--------|-------|-------|--------|
| Participating Key personnel | 49.0 | 47.0 | 50.0 | 53.0 | 53.0 | 55.0 | 50.0 | 54.0 |
| Total Key personnel | 51.0 | 49.0 | 50.0 | 53.0 | 53.0 | 56.0 | 53.0 | 54.0 |
| | | | | | | | | |
| Indicator value | 96.1% | 95.9% | 100.0% | 100.0% | 100.0% | 98.2% | 94.3% | 100.0% |

Licensee Comments: none

Alert & Notification System



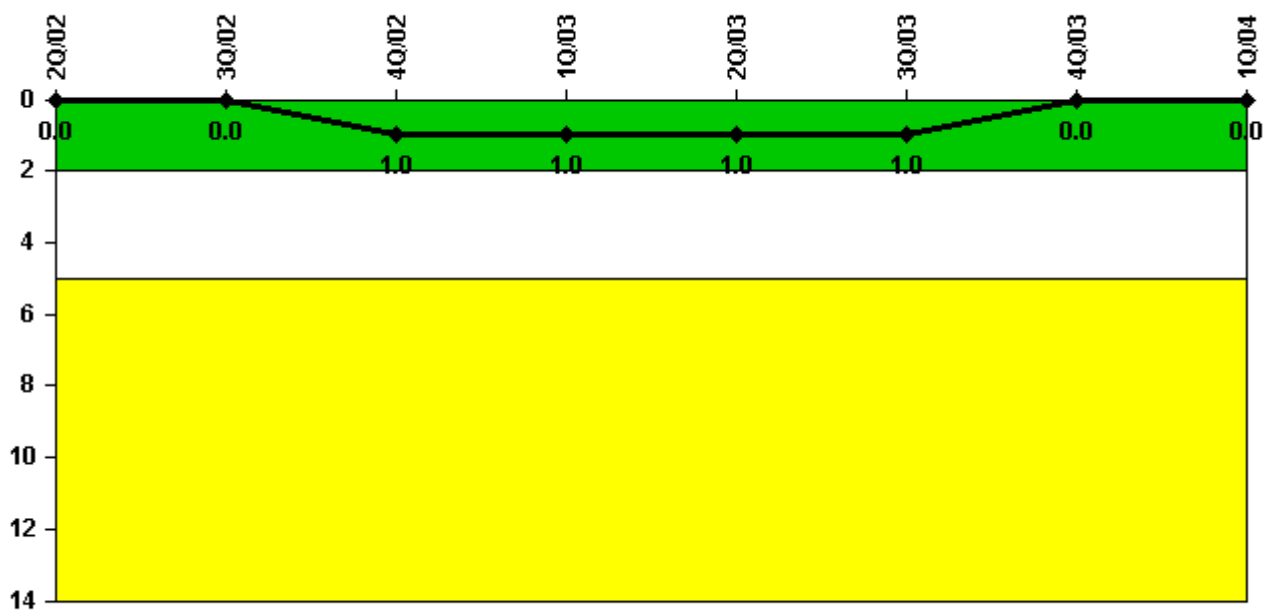
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 1111 | 991 | 1267 | 984 | 1236 | 1805 | 1901 | 2491 |
| Total sirens-tests | 1124 | 1029 | 1277 | 988 | 1386 | 1857 | 1920 | 2510 |
| | | | | | | | | |
| Indicator value | 98.2% | 98.1% | 98.4% | 98.5% | 95.7% | 96.1% | 96.3% | 96.9% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences | 0 | 0 | 1 | 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 | 1 | 1 | 1 | 1 | 0 | 0 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



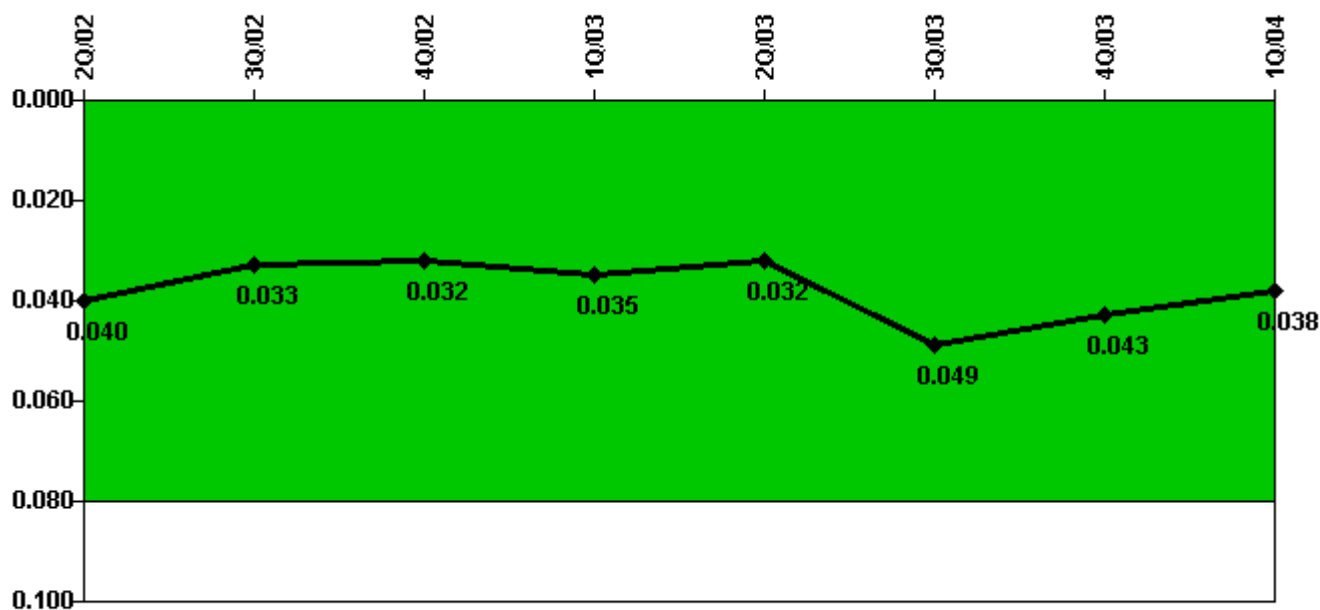
Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/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

Protected Area Security Performance Index



Thresholds: White > 0.080

Notes

| Protected Area Security Performance Index | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| IDS compensatory hours | 206.95 | 15.55 | 82.72 | 141.91 | 157.00 | 109.35 | 59.40 | 53.93 |
| CCTV compensatory hours | 0 | 2.4 | 159.2 | 16.5 | 5.8 | 218.7 | 82.6 | 0 |
| IDS normalization factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| CCTV normalization factor | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| | | | | | | | | |
| Index Value | 0.040 | 0.033 | 0.032 | 0.035 | 0.032 | 0.049 | 0.043 | 0.038 |

Licensee Comments: none

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

| Personnel Screening Program | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Program failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

| FFD/Personnel Reliability | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

▲ [PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 22, 2004