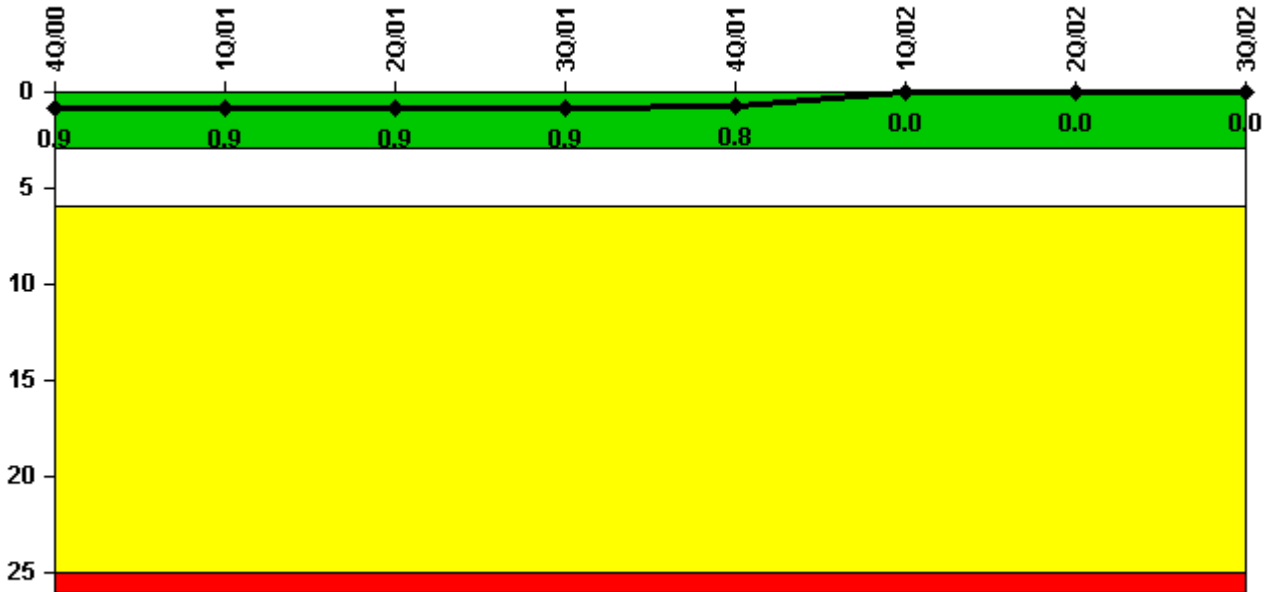


Catawba 1

3Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



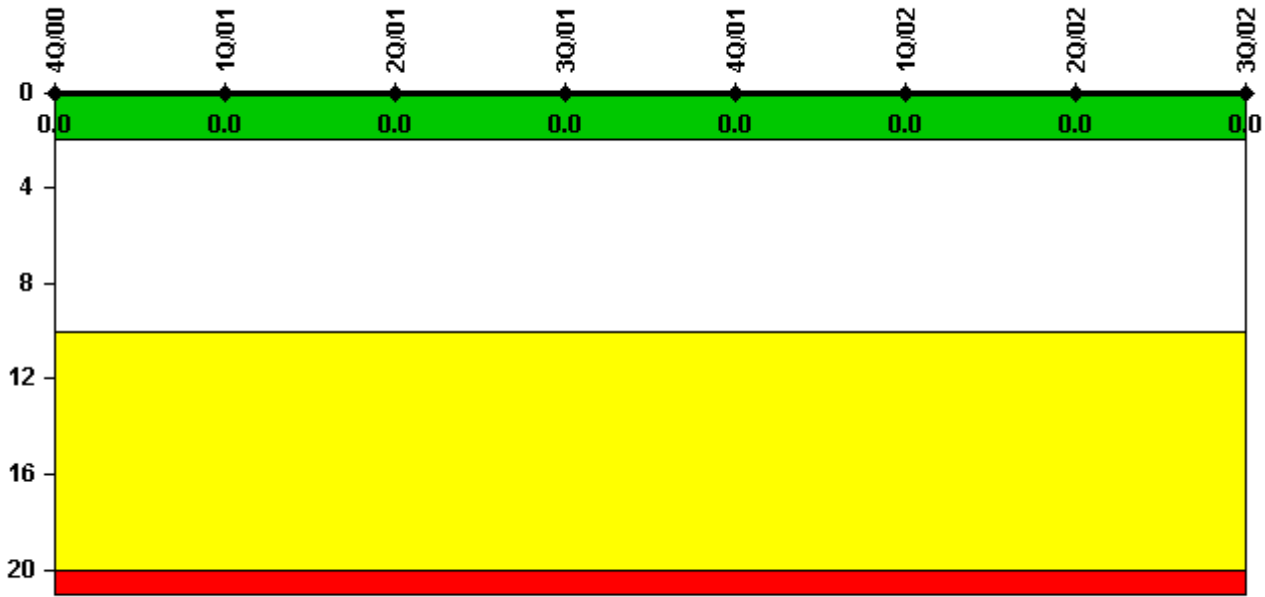
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1321.2 | 2128.9 | 2183.0 | 2208.0 | 2209.0 | 2160.0 | 1695.0 | 2208.0 |
| Indicator value | 0.9 | 0.9 | 0.9 | 0.9 | 0.8 | 0 | 0 | 0 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



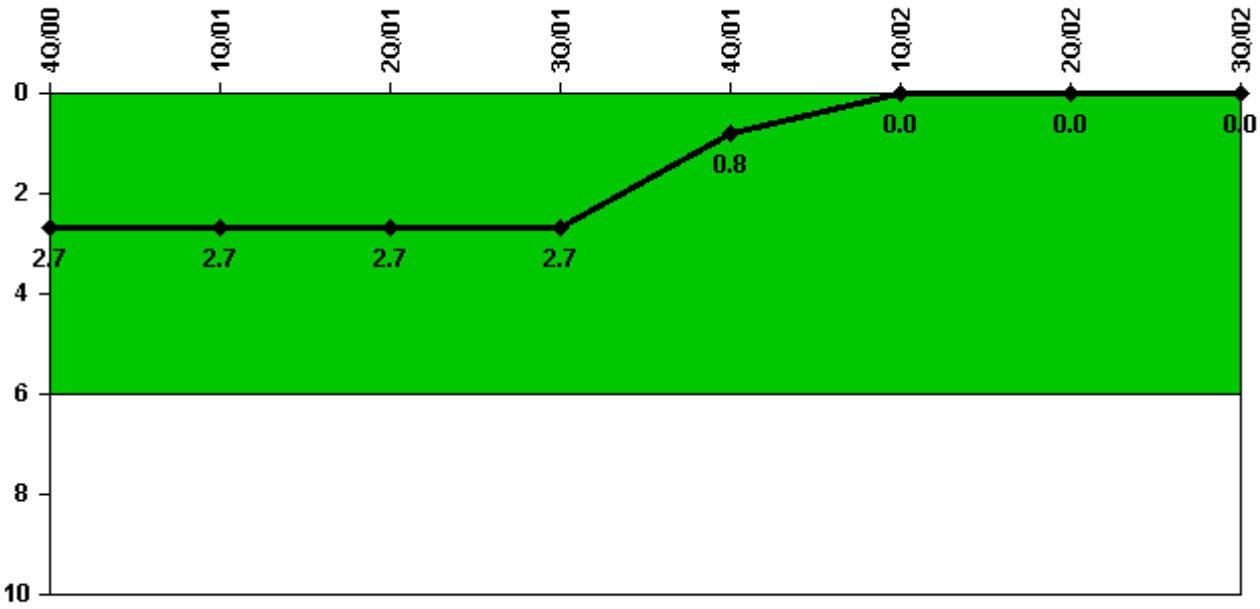
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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



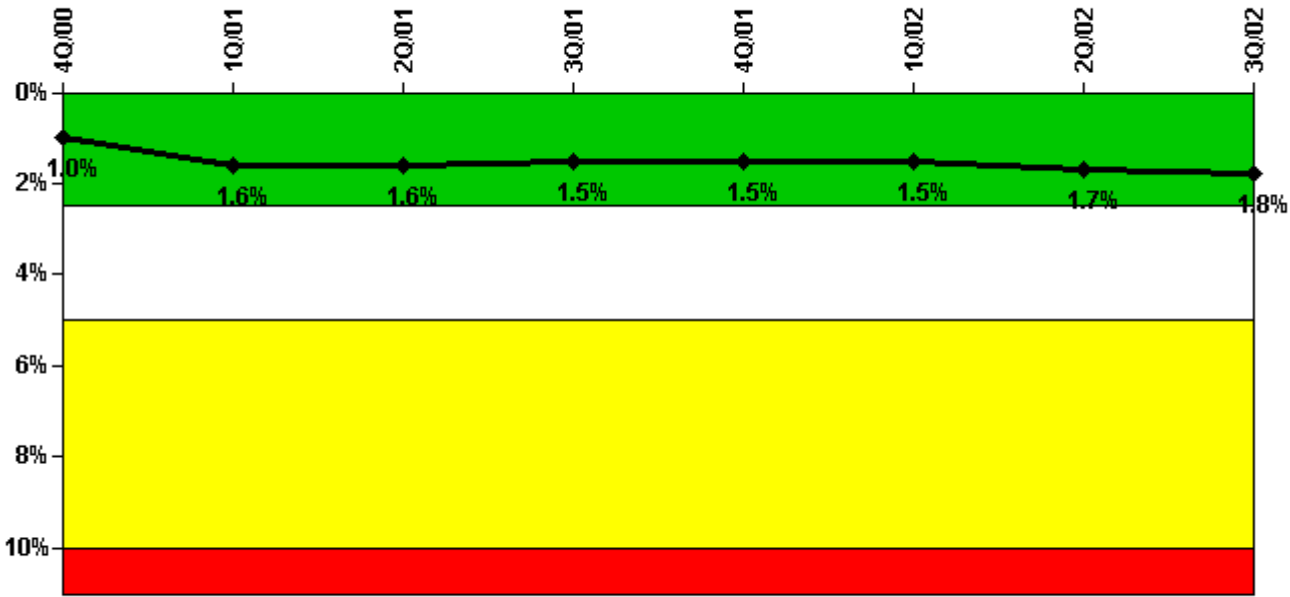
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 2.0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1321.2 | 2128.9 | 2183.0 | 2208.0 | 2209.0 | 2160.0 | 1695.0 | 2208.0 |
| Indicator value | 2.7 | 2.7 | 2.7 | 2.7 | 0.8 | 0 | 0 | 0 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



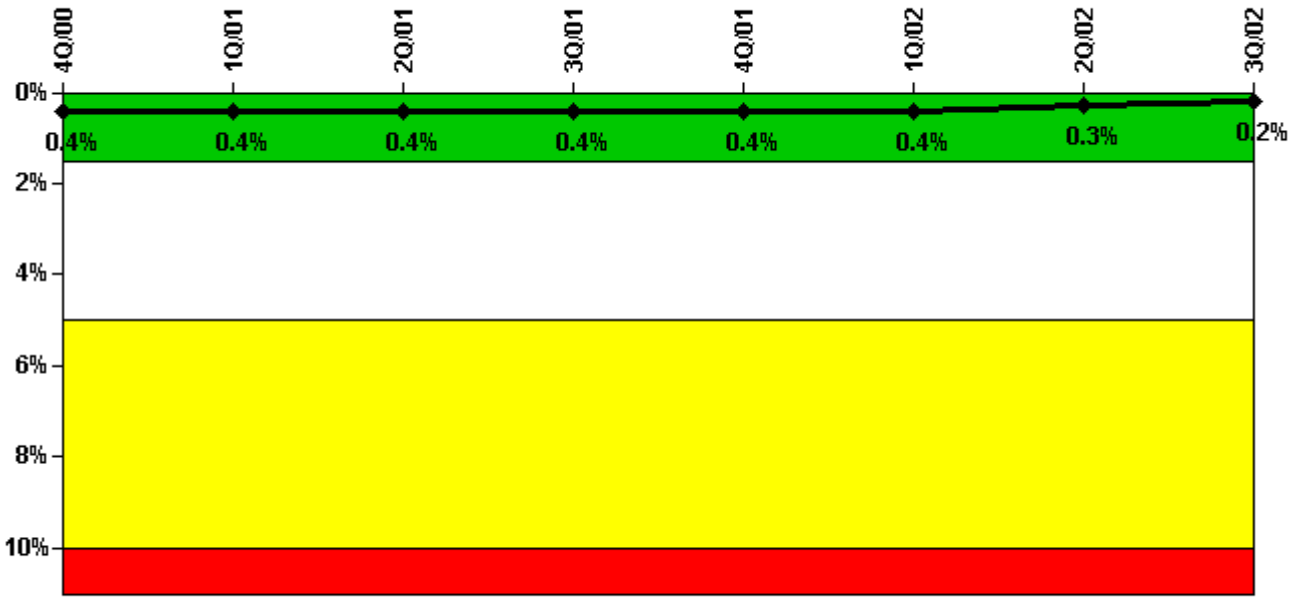
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Emergency AC Power | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 1.77 | 2.49 | 6.06 | 3.35 | 2.55 | 50.15 | 0 | 34.18 |
| 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 | 2209.00 | 2160.00 | 2184.00 | 2208.00 | 2209.00 | 2160.00 | 2184.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 2.03 | 1.72 | 4.95 | 2.48 | 1.92 | 0 | 61.25 | 41.73 |
| Unplanned unavailable hours | 0 | 16.62 | 0 | 6.12 | 0 | 0 | 20.90 | 0 |
| Fault exposure hours | 0 | 333.20 | 0 | 0 | 0 | 0 | 85.35 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2184.00 | 2208.00 | 2209.00 | 2160.00 | 2184.00 | 2208.00 |
| | | | | | | | | |
| Indicator value | 1.0% | 1.6% | 1.6% | 1.5% | 1.5% | 1.5% | 1.7% | 1.8% |

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



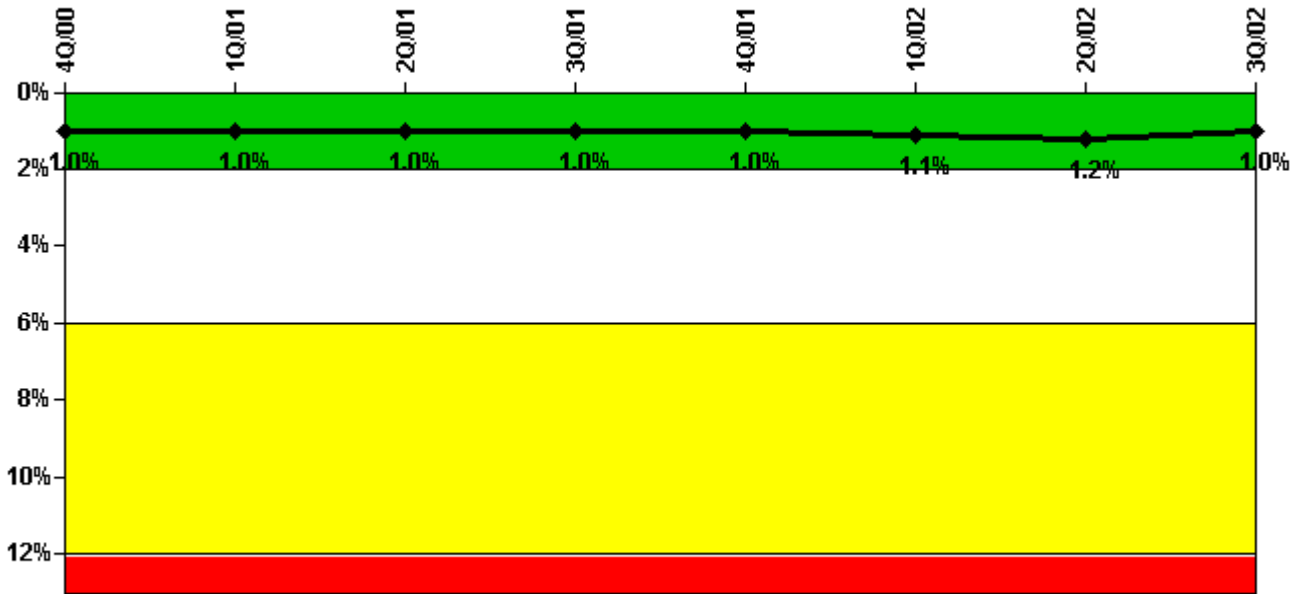
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 7.30 | 1.65 | 7.16 | 1.20 | 3.60 | 2.10 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0.80 | 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 | 1319.90 | 2105.72 | 2184.00 | 2208.00 | 2209.00 | 2160.00 | 1695.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0.30 | 4.00 | 6.70 | 25.55 | 2.38 | 5.60 | 13.20 | 3.30 |
| 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 | 1319.90 | 2105.72 | 2184.00 | 2208.00 | 2209.00 | 2160.00 | 1695.00 | 2208.00 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 0 | 5.83 | 1.35 | 0.38 | 0 | 2.70 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0.80 | 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 | 1319.90 | 2105.72 | 2184.00 | 2208.00 | 2209.00 | 2160.00 | 1695.00 | 2208.00 |
| Train 4 | | | | | | | | |
| Planned unavailable hours | 9.00 | 0 | 0 | 0 | 10.08 | 3.50 | 13.20 | 0 |
| 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 | 1319.90 | 2105.72 | 2184.00 | 2208.00 | 2209.00 | 2160.00 | 1695.00 | 2208.00 |
| | | | | | | | | |
| Indicator value | 0.4% | 0.4% | 0.4% | 0.4% | 0.4% | 0.4% | 0.3% | 0.2% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



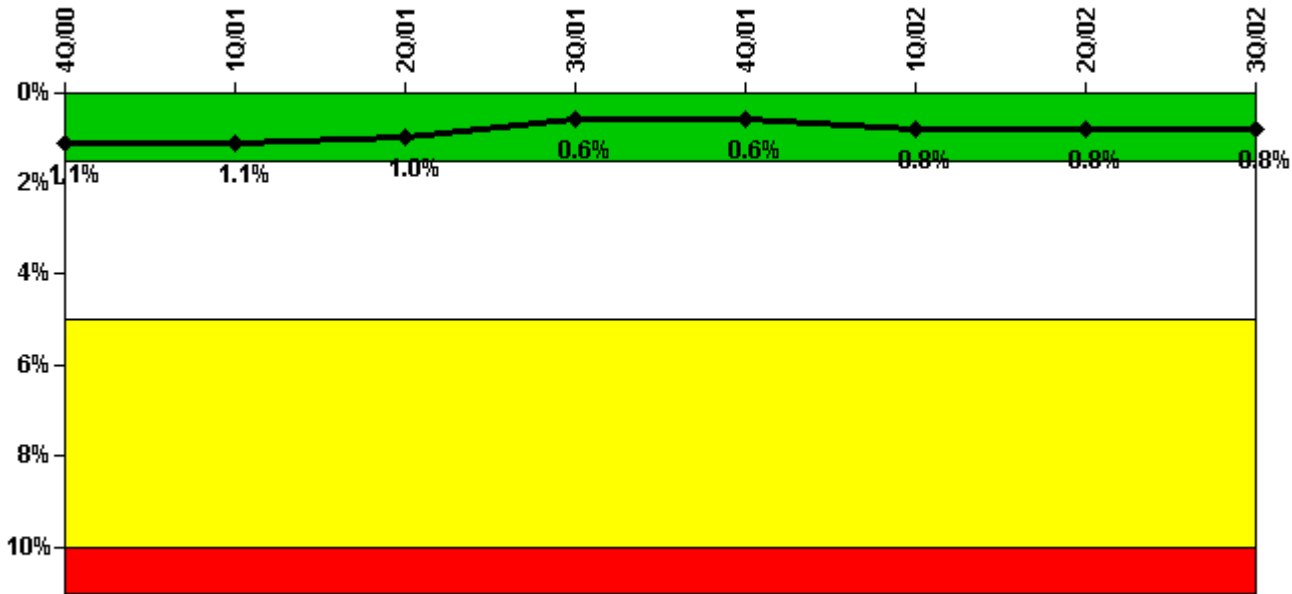
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

| Safety System Unavailability, Heat Removal System (AFW) | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 19.32 | 2.51 | 1.90 | 30.90 | 15.47 | 28.32 |
| Unplanned unavailable hours | 0 | 1.88 | 0 | 0 | 0 | 0 | 0.75 | 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 | 1366.70 | 2160.00 | 2184.00 | 2208.00 | 2209.00 | 2160.00 | 1751.45 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0 | 9.31 | 10.33 | 1.97 | 5.20 | 38.22 | 17.11 | 6.80 |
| 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 | 1366.70 | 2160.00 | 2184.00 | 2208.00 | 2209.00 | 2160.00 | 1751.45 | 2208.00 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 0 | 12.05 | 9.10 | 9.48 | 18.94 | 21.32 | 3.52 | 26.78 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 23.52 | 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 | 1366.70 | 2160.00 | 2184.00 | 2208.00 | 2209.00 | 2160.00 | 1751.45 | 2208.00 |
| | | | | | | | | |
| Indicator value | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.1% | 1.2% | 1.0% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



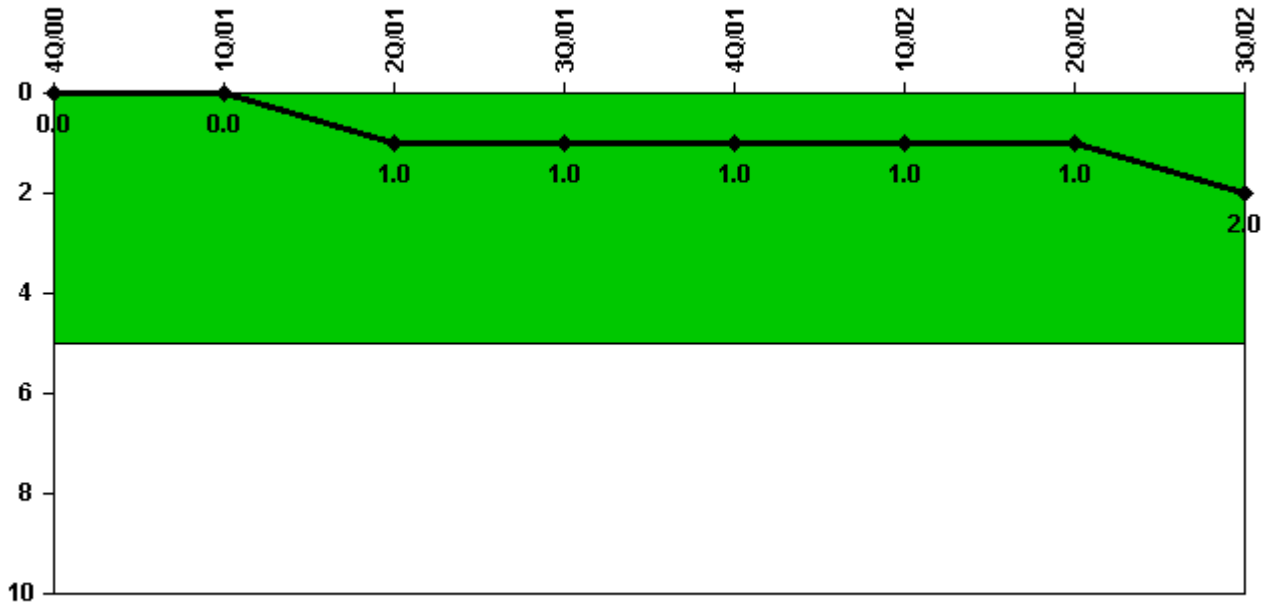
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 7.93 | 25.75 | 0.38 | 0 | 94.20 | 0 | 0 |
| Unplanned unavailable hours | 0 | 1.92 | 0 | 0 | 0 | 0 | 27.10 | 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 | 2208.00 | 2160.00 | 2184.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 5.90 | 0.60 | 0 | 0.20 | 25.17 | 80.20 | 21.80 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 8.53 | 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 | 2208.00 | 2160.00 | 2184.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| Indicator value | 1.1% | 1.1% | 1.0% | 0.6% | 0.6% | 0.8% | 0.8% | 0.8% |

Licensee Comments: none

Safety System Functional Failures (PWR)



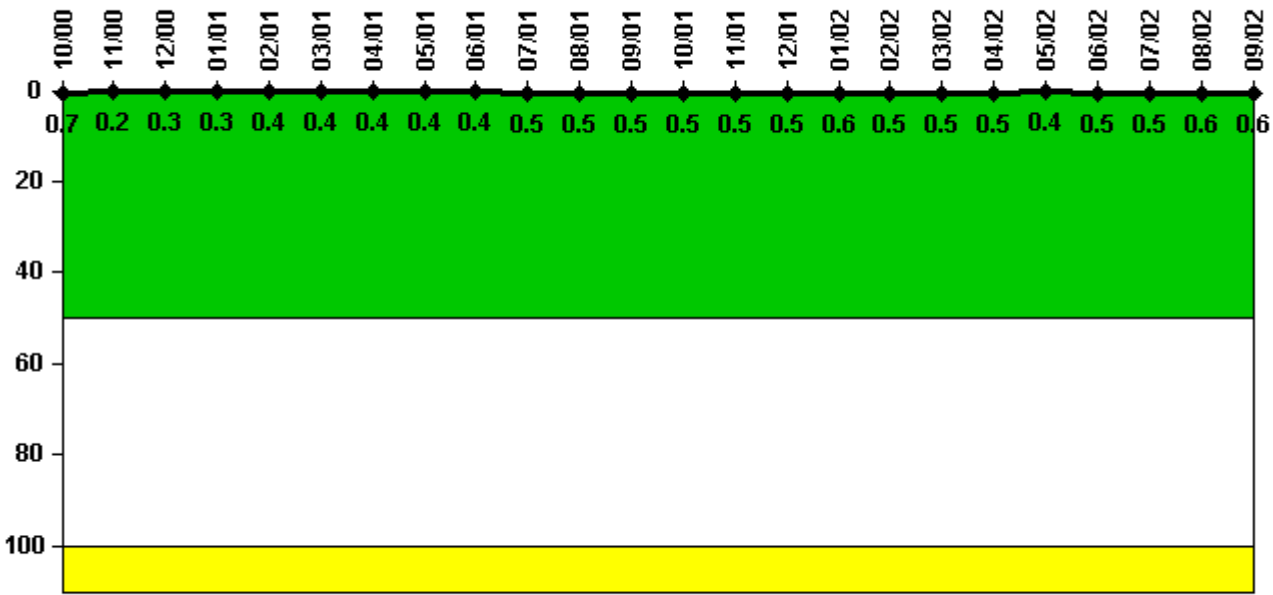
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| Indicator value | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

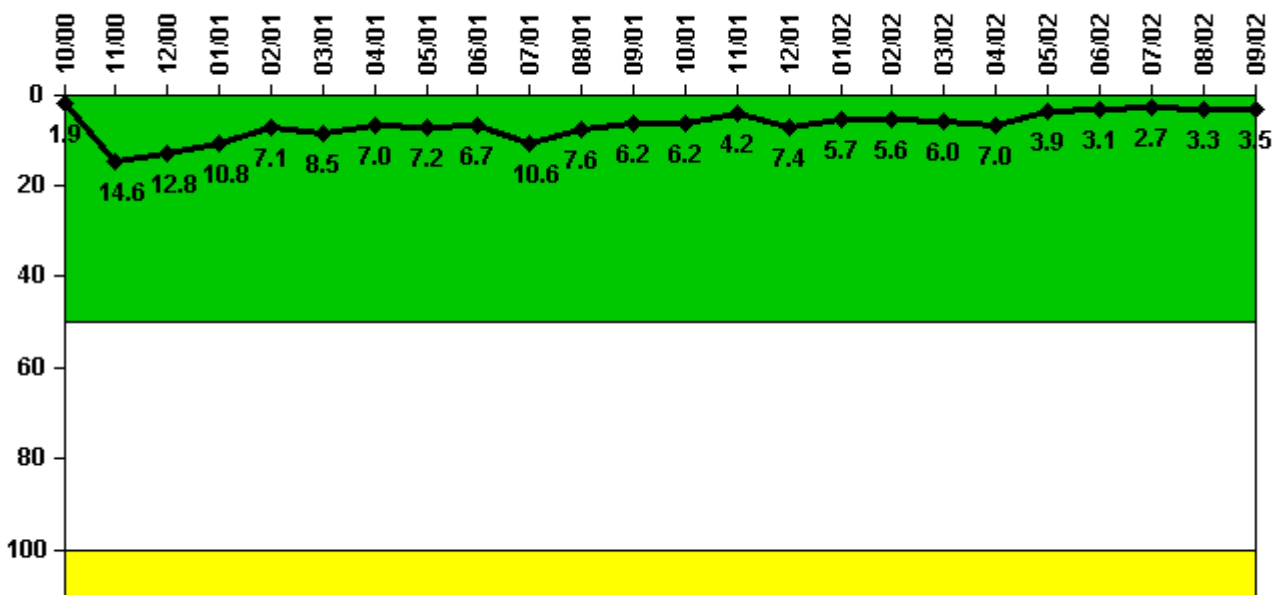
| Reactor Coolant System Activity | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000459 | 0.000157 | 0.000193 | 0.000200 | 0.000233 | 0.000265 | 0.000245 | 0.000257 | 0.000258 | 0.000300 | 0.000300 | 0.000300 |
| 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 | 0.7 | 0.2 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 |

| Reactor Coolant System Activity | 10/01 | 11/01 | 12/01 | 1/02 | 2/02 | 3/02 | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000311 | 0.000318 | 0.000336 | 0.000389 | 0.000337 | 0.000335 | 0.000328 | 0.000241 | 0.000297 | 0.000320 | 0.000360 | 0.000380 |
| 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 | 0.5 | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 | 0.4 | 0.5 | 0.5 | 0.6 | 0.6 |

Licensee Comments:

9/02:

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

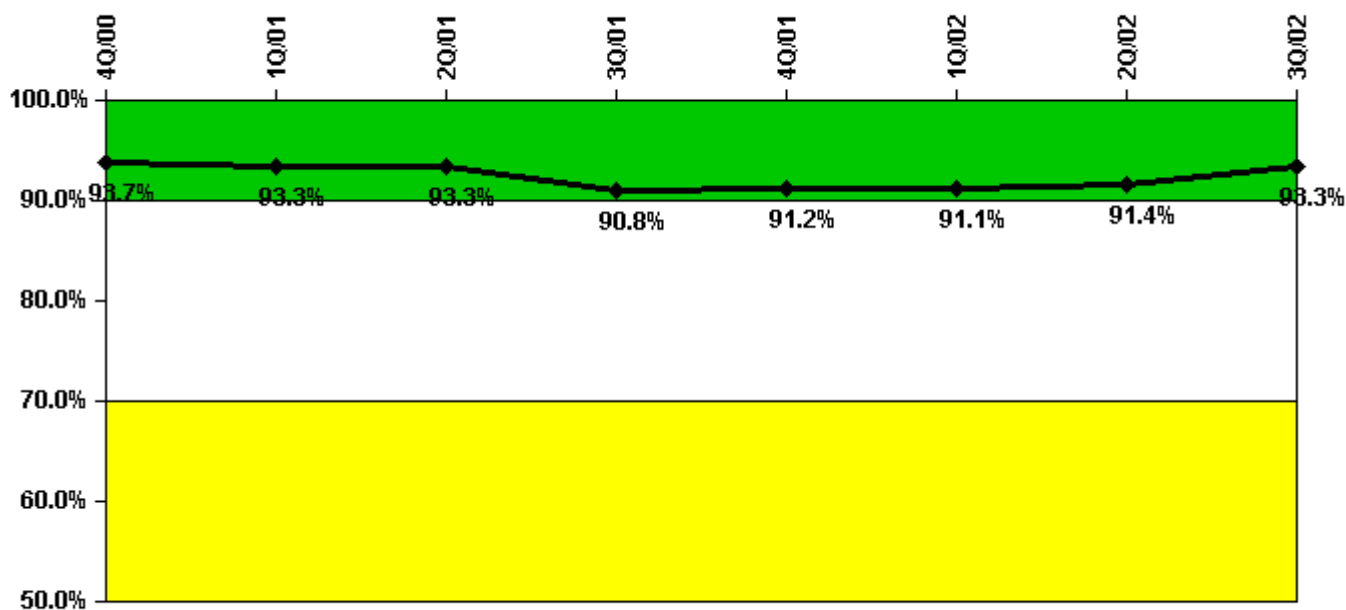
Notes

| Reactor Coolant System Leakage | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.194 | 1.455 | 1.279 | 1.075 | 0.708 | 0.854 | 0.699 | 0.716 | 0.669 | 1.063 | 0.761 | 0.624 |
| 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 | 1.9 | 14.6 | 12.8 | 10.8 | 7.1 | 8.5 | 7.0 | 7.2 | 6.7 | 10.6 | 7.6 | 6.2 |

| Reactor Coolant System Leakage | 10/01 | 11/01 | 12/01 | 1/02 | 2/02 | 3/02 | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.616 | 0.417 | 0.742 | 0.569 | 0.563 | 0.598 | 0.698 | 0.385 | 0.310 | 0.270 | 0.330 | 0.350 |
| 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 | 6.2 | 4.2 | 7.4 | 5.7 | 5.6 | 6.0 | 7.0 | 3.9 | 3.1 | 2.7 | 3.3 | 3.5 |

Licensee Comments: none

Drill/Exercise Performance



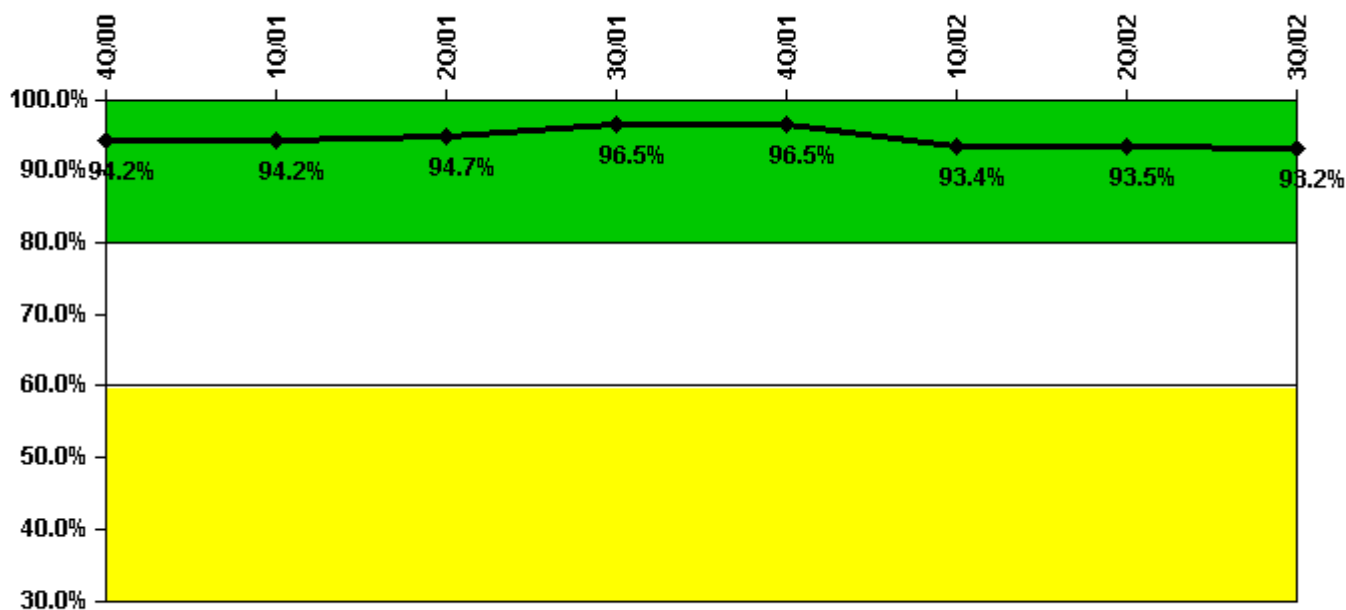
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 9.0 | 2.0 | 7.0 | 111.0 | 12.0 | 16.0 | 8.0 | 71.0 |
| Total opportunities | 9.0 | 2.0 | 7.0 | 125.0 | 12.0 | 16.0 | 8.0 | 74.0 |
| | | | | | | | | |
| Indicator value | 93.7% | 93.3% | 93.3% | 90.8% | 91.2% | 91.1% | 91.4% | 93.3% |

Licensee Comments: none

ERO Drill Participation



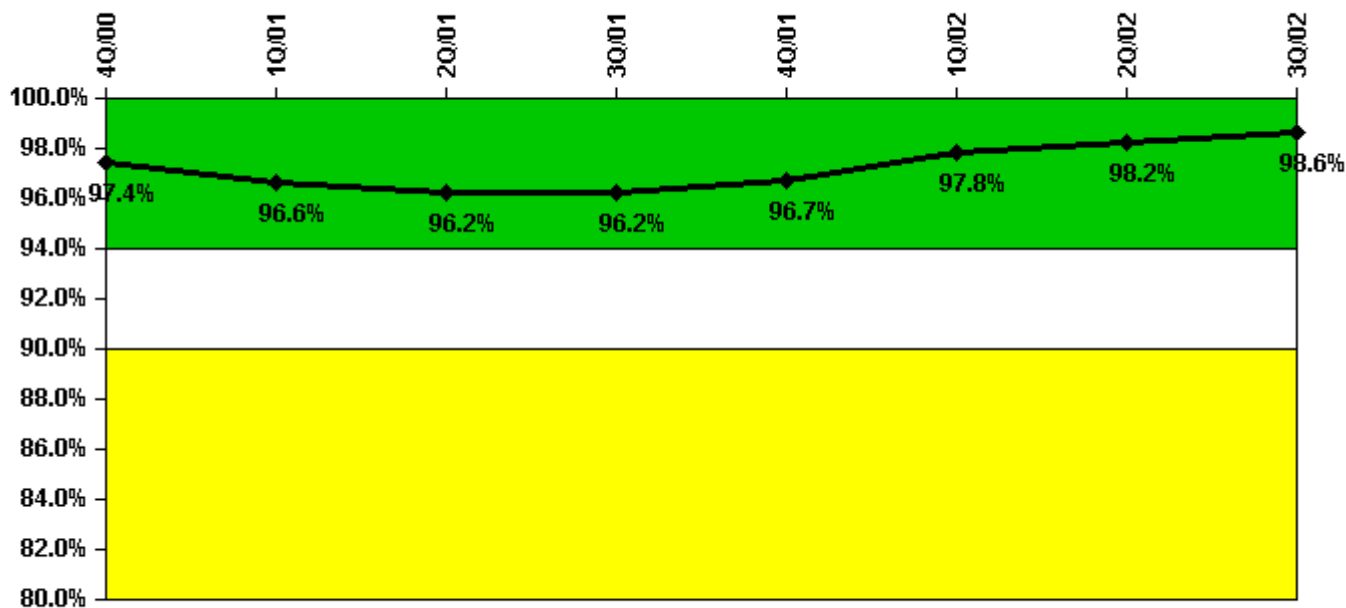
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Participating Key personnel | 180.0 | 179.0 | 178.0 | 192.0 | 191.0 | 184.0 | 186.0 | 177.0 |
| Total Key personnel | 191.0 | 190.0 | 188.0 | 199.0 | 198.0 | 197.0 | 199.0 | 190.0 |
| | | | | | | | | |
| Indicator value | 94.2% | 94.2% | 94.7% | 96.5% | 96.5% | 93.4% | 93.5% | 93.2% |

Licensee Comments: none

Alert & Notification System



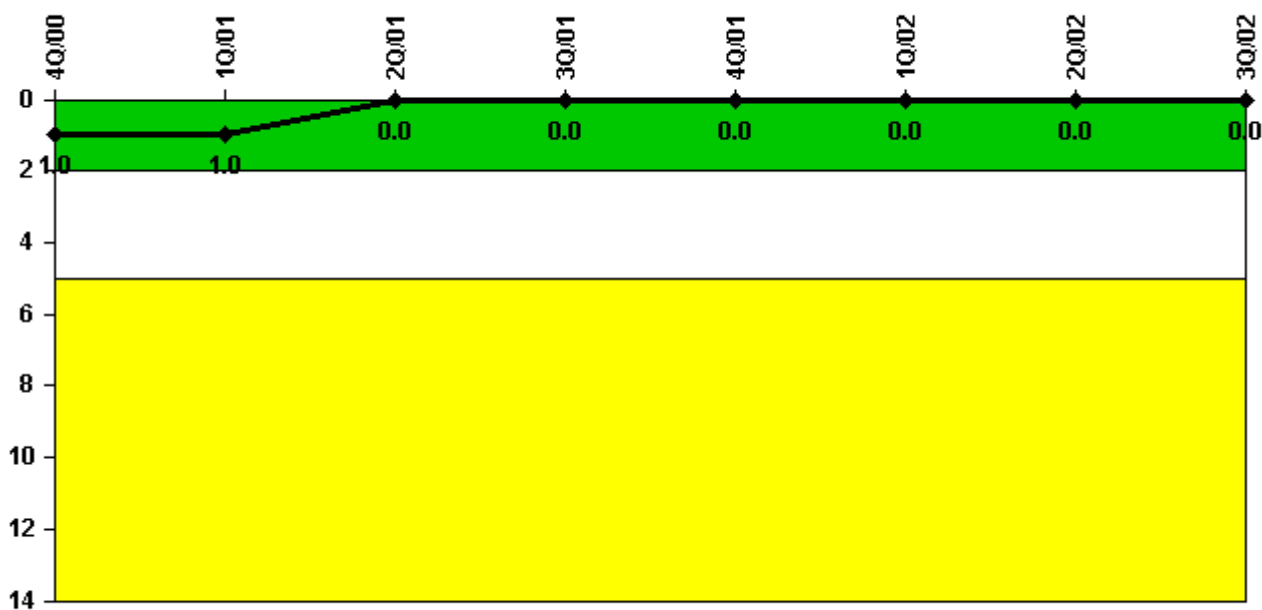
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 2195 | 2135 | 2293 | 2208 | 2162 | 2337 | 2253 | 2251 |
| Total sirens-tests | 2262 | 2276 | 2363 | 2275 | 2186 | 2375 | 2288 | 2281 |
| | | | | | | | | |
| Indicator value | 97.4% | 96.6% | 96.2% | 96.2% | 96.7% | 97.8% | 98.2% | 98.6% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



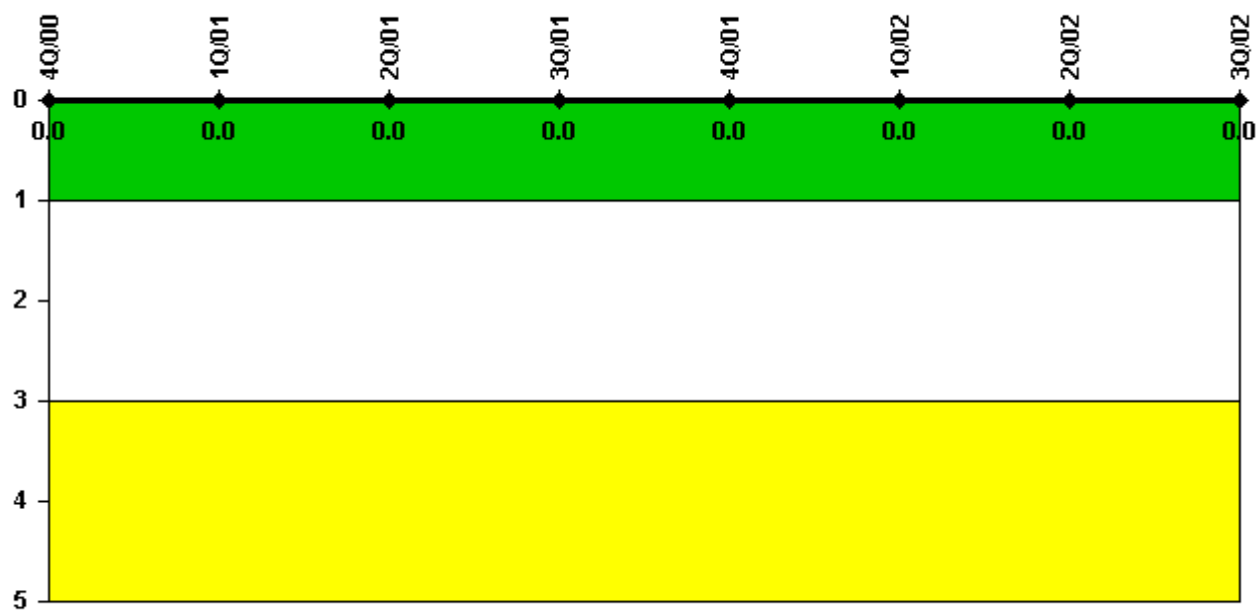
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

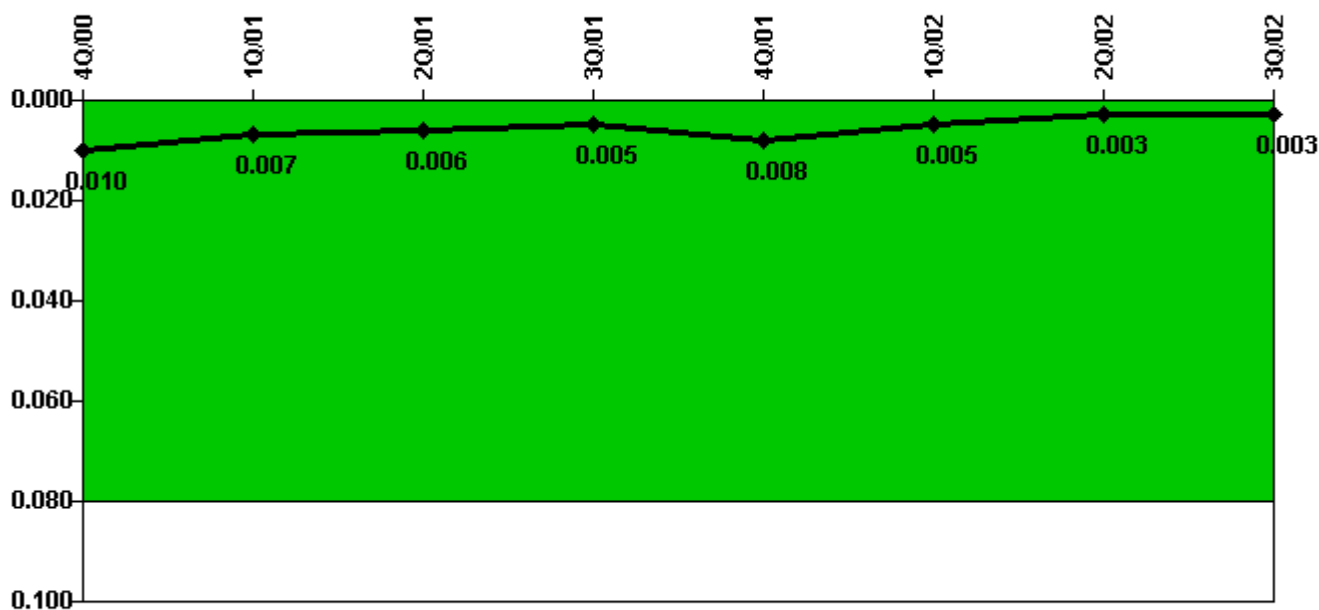
Notes

| RETS/ODCM Radiological Effluent | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments:

3Q/02:

Protected Area Security Performance Index



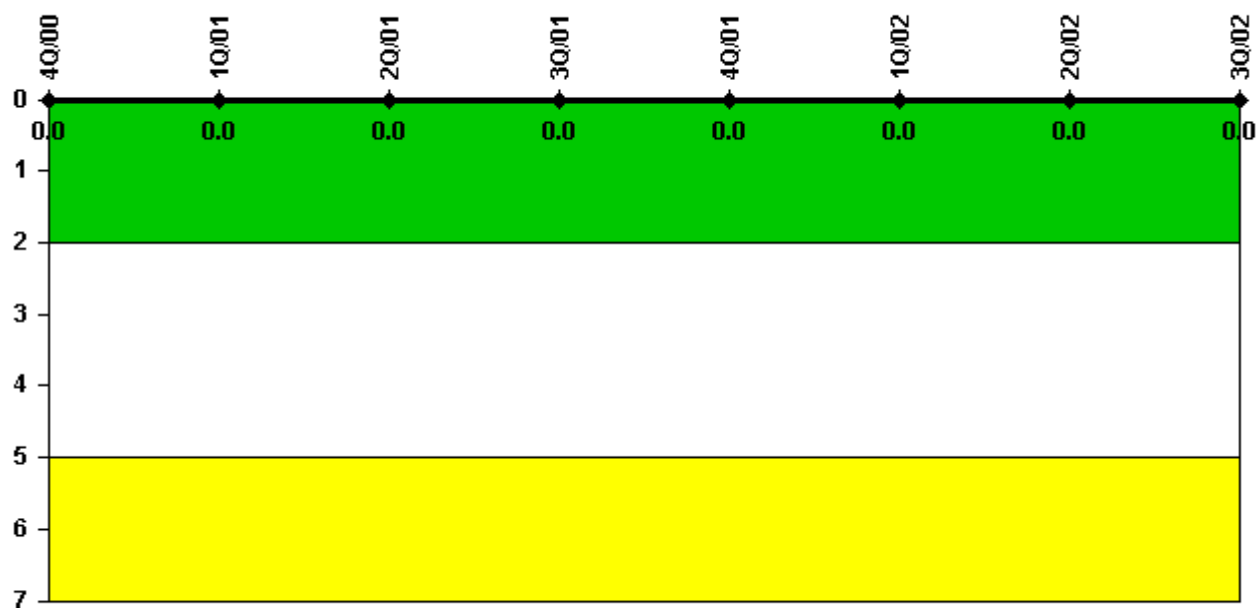
Thresholds: White > 0.080

Notes

| Protected Area Security Performance Index | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| IDS compensatory hours | 0 | 9.20 | 58.10 | 12.10 | 93.50 | 20.00 | 5.10 | 2.10 |
| CCTV compensatory hours | 0.5 | 57.3 | 3.8 | 0 | 2.5 | 0 | 0 | 0 |
| IDS normalization factor | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 |
| CCTV normalization factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Index Value | 0.010 | 0.007 | 0.006 | 0.005 | 0.008 | 0.005 | 0.003 | 0.003 |

Licensee Comments: none

Personnel Screening Program



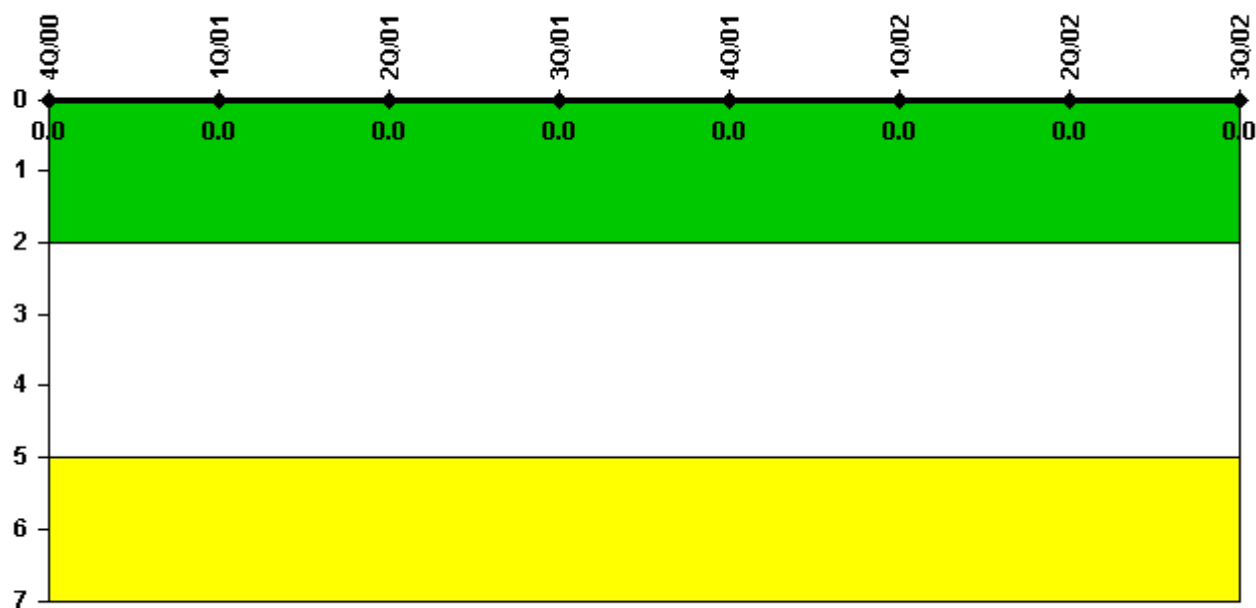
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Personnel Screening Program | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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: October 22, 2002