

Crystal River 3

2Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



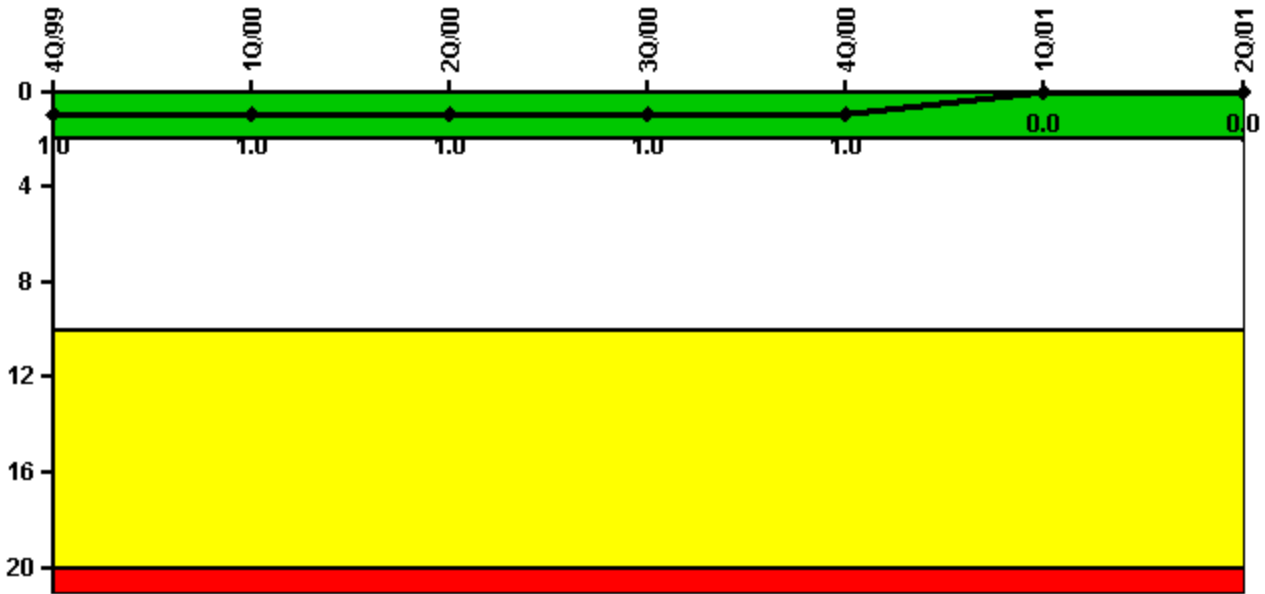
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|--|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1139.0 | 2184.0 | 2136.4 | 2045.2 | 2209.0 | 2160.0 | 1861.0 |
| | | | | | | | |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



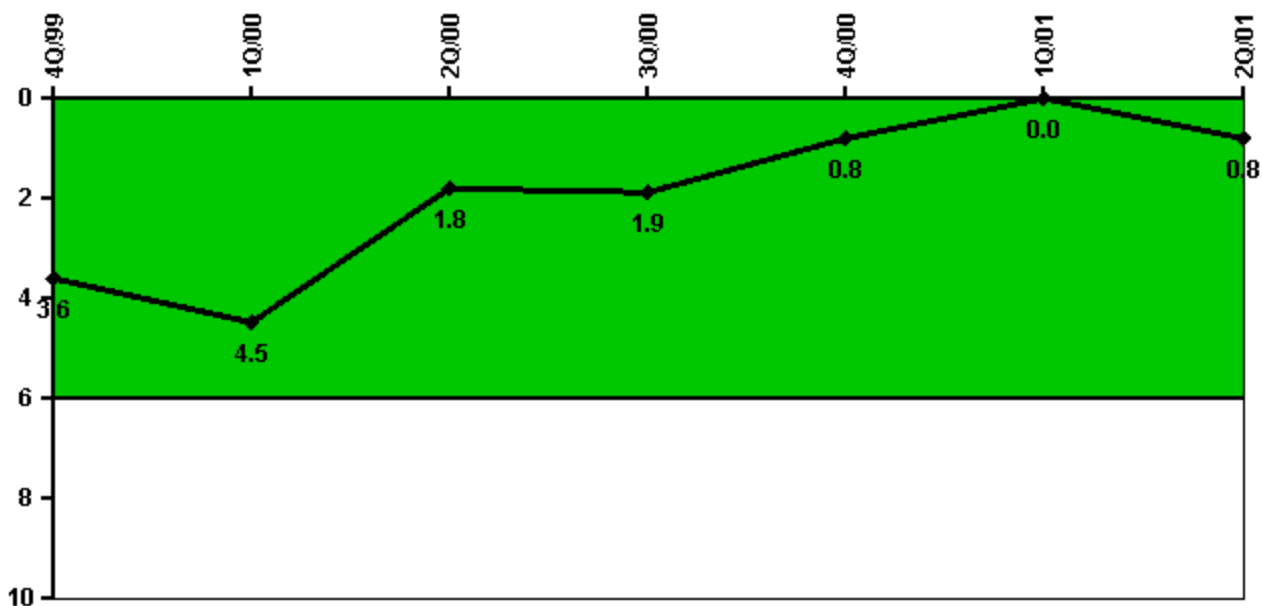
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|-------|-------|-------|-------|-------|-------|-------|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



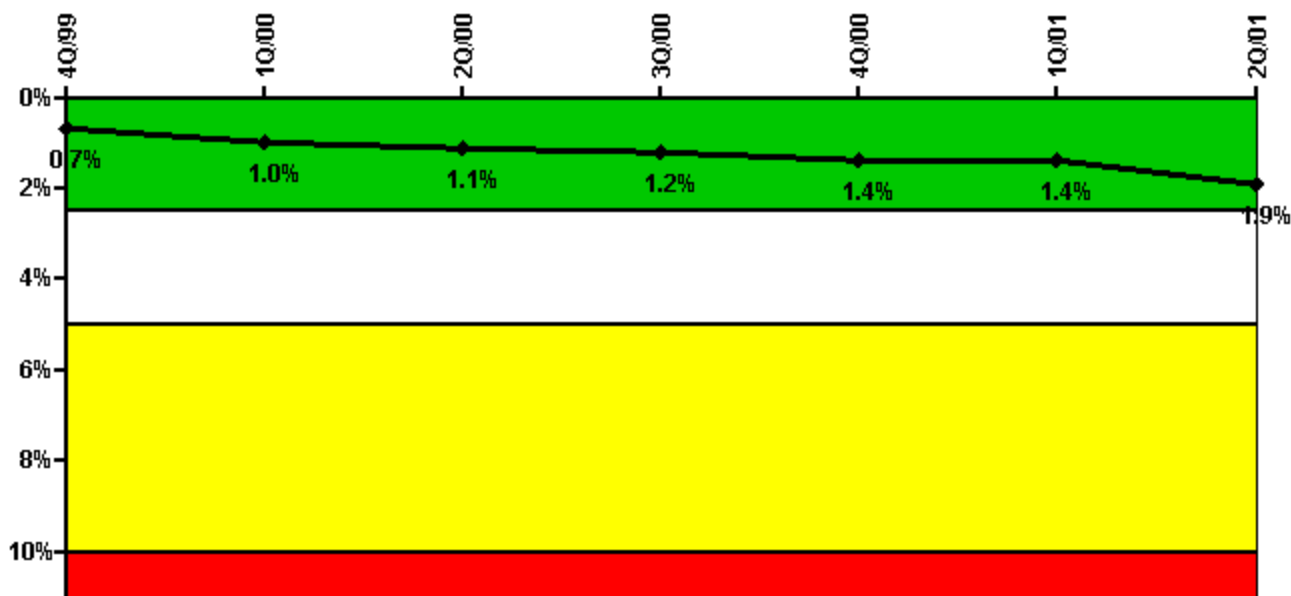
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 1.0 | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 1139.0 | 2184.0 | 2136.4 | 2045.2 | 2209.0 | 2160.0 | 1861.0 |
| | | | | | | | |
| Indicator value | 3.6 | 4.5 | 1.8 | 1.9 | 0.8 | 0 | 0.8 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

Notes

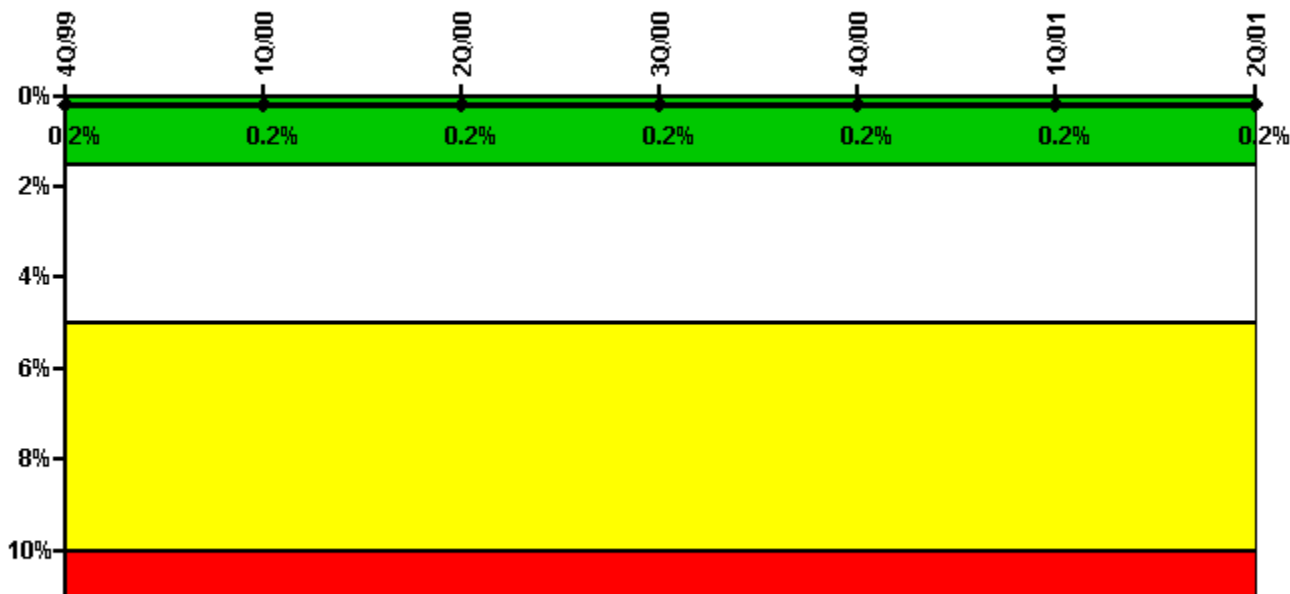
| Safety System Unavailability, Emergency AC Power | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | |
| Planned unavailable hours | 0 | 51.46 | 24.37 | 16.85 | 39.97 | 32.24 | 32.20 |
| Unplanned unavailable hours | 0 | 52.60 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| Train 2 | | | | | | | |
| Planned unavailable hours | 0 | 35.24 | 27.05 | 39.00 | 41.17 | 38.80 | 25.42 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 237.71 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| Indicator value | 0.7% | 1.0% | 1.1% | 1.2% | 1.4% | 1.4% | 1.9% |

Licensee Comments:

2Q/01: Emergency AC Safety System Unavailability for 2Q2001 (June - Train A) is revised to reflect a change resulting from an internal review. The change did not result in a threshold color change. Emergency AC Safety System Unavailability for 2Q2001 (June - Train B) is revised to reflect a change resulting from an internal review of fault exposure hours reported in 3Q2001 (July - Train B). The change did not result in a threshold color change.

2Q/01: Emergency AC Safety System Unavailability for 2Q2001 (June - Train A) is revised to reflect a change resulting from an internal review. The change did not result in a threshold color change.

Safety System Unavailability, High Pressure Injection System (HPSI)



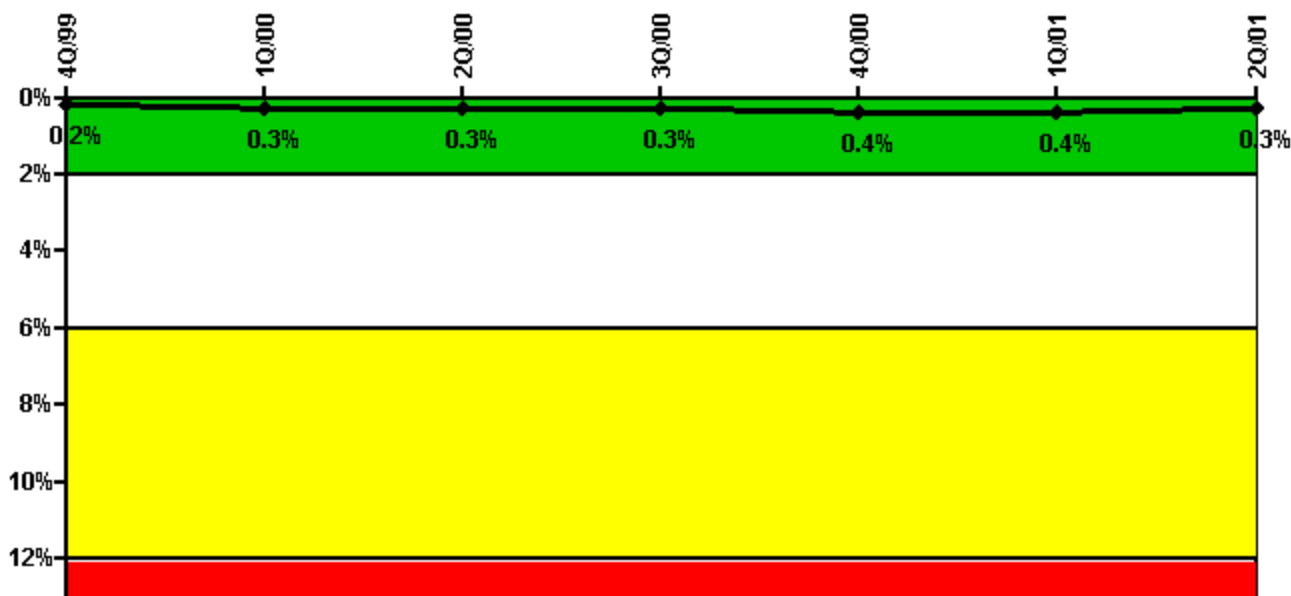
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 6.42 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1325.40 | 2184.00 | 2183.00 | 2101.50 | 2209.00 | 2160.00 | 1955.10 |
| Train 2 | | | | | | | |
| Planned unavailable hours | 3.10 | 0 | 0 | 0 | 0 | 13.58 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 3.10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1325.40 | 2184.00 | 2183.00 | 2101.50 | 2209.00 | 2160.00 | 1955.10 |
| | | | | | | | |
| Indicator value | 0.2% | 0.2% | 0.2% | 0.2% | 0.2% | 0.2% | 0.2% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



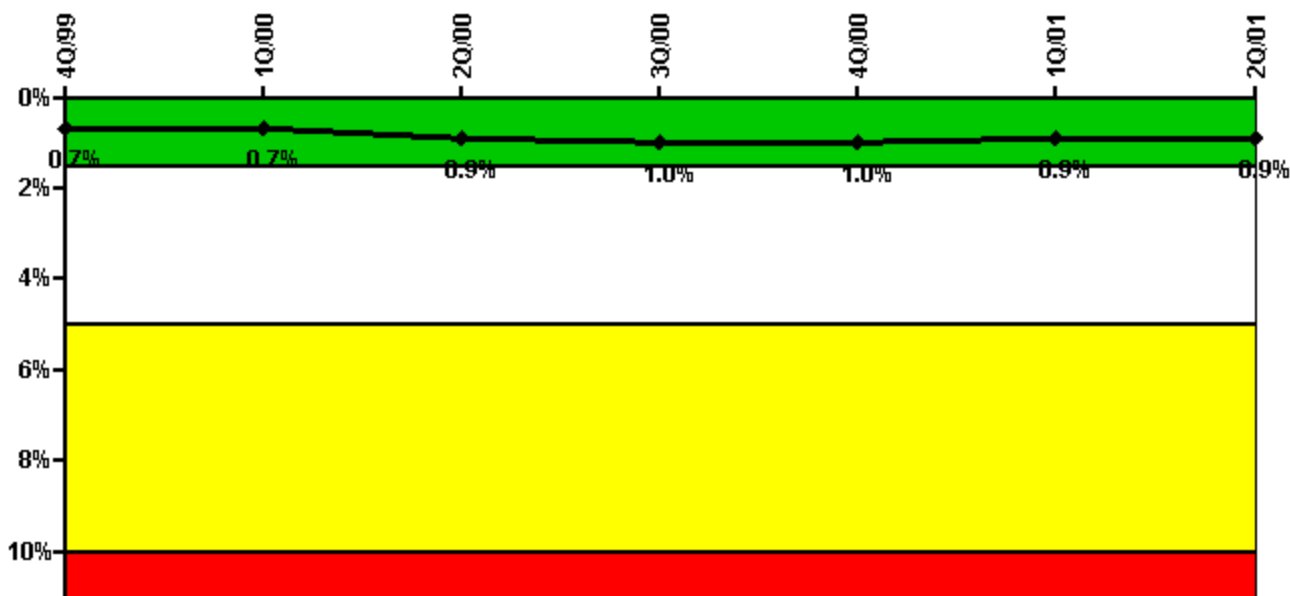
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

| Safety System Unavailability, Heat Removal System (AFW) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | |
| Planned unavailable hours | 1.00 | 17.12 | 19.06 | 5.00 | 21.21 | 8.96 | 1.14 |
| Unplanned unavailable hours | 0 | 0 | 2.75 | 0 | 0 | 4.75 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1322.00 | 2184.00 | 2183.00 | 2101.50 | 2209.00 | 2160.00 | 1940.66 |
| Train 2 | | | | | | | |
| Planned unavailable hours | 0 | 8.50 | 23.82 | 0 | 7.00 | 2.35 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1322.00 | 2184.00 | 2183.00 | 2101.50 | 2209.00 | 2160.00 | 1940.66 |
| | | | | | | | |
| Indicator value | 0.2% | 0.3% | 0.3% | 0.3% | 0.4% | 0.4% | 0.3% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



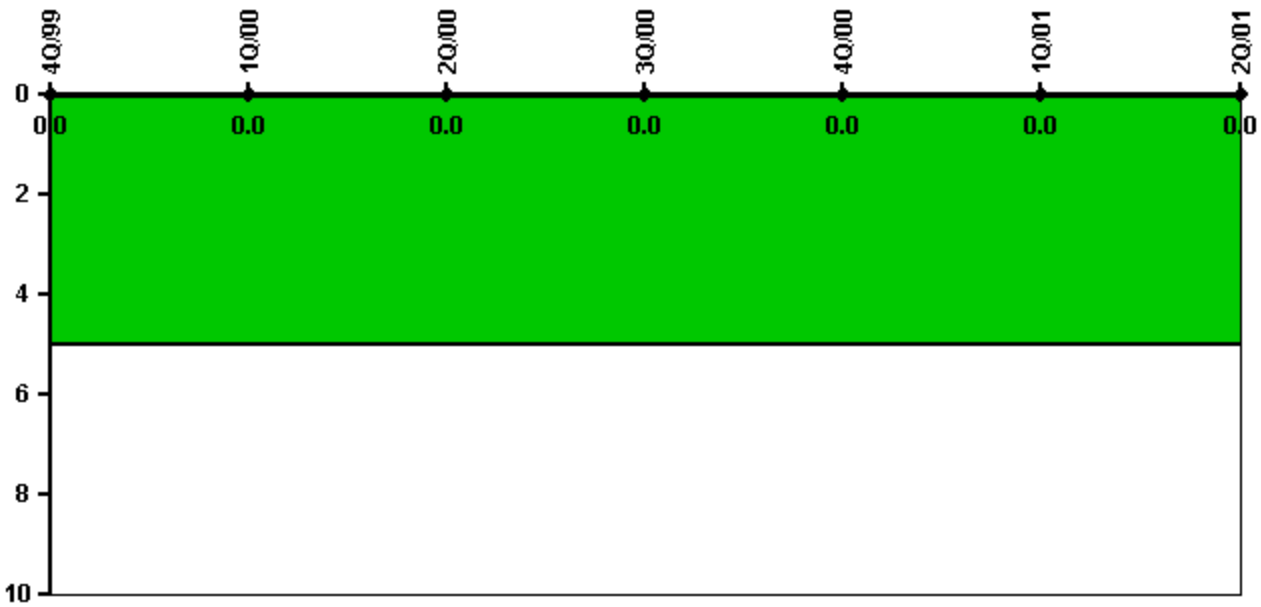
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | |
| Planned unavailable hours | 0 | 0 | 1.97 | 29.10 | 24.90 | 1.02 | 56.10 |
| Unplanned unavailable hours | 0 | 17.70 | 13.90 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2070.80 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 1955.10 |
| Train 2 | | | | | | | |
| Planned unavailable hours | 3.10 | 0 | 40.70 | 18.00 | 1.00 | 30.00 | 1.62 |
| Unplanned unavailable hours | 0 | 0 | 0 | 11.30 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2070.80 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 1955.10 |
| | | | | | | | |
| Indicator value | 0.7% | 0.7% | 0.9% | 1.0% | 1.0% | 0.9% | 0.9% |

Licensee Comments: none

Safety System Functional Failures (PWR)



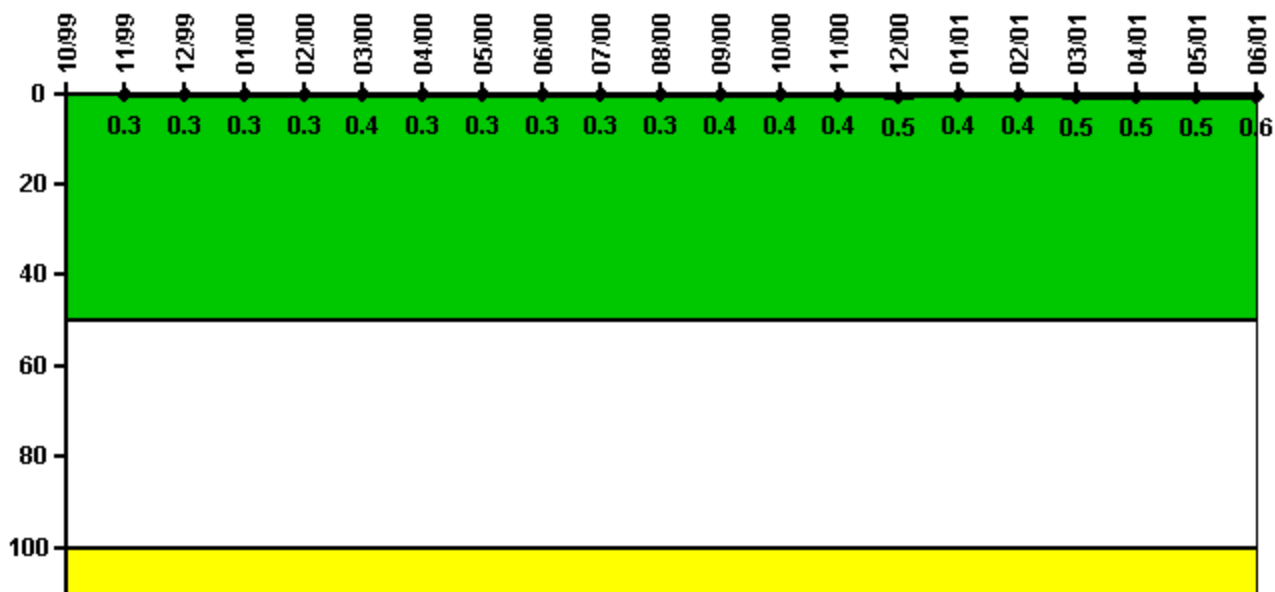
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

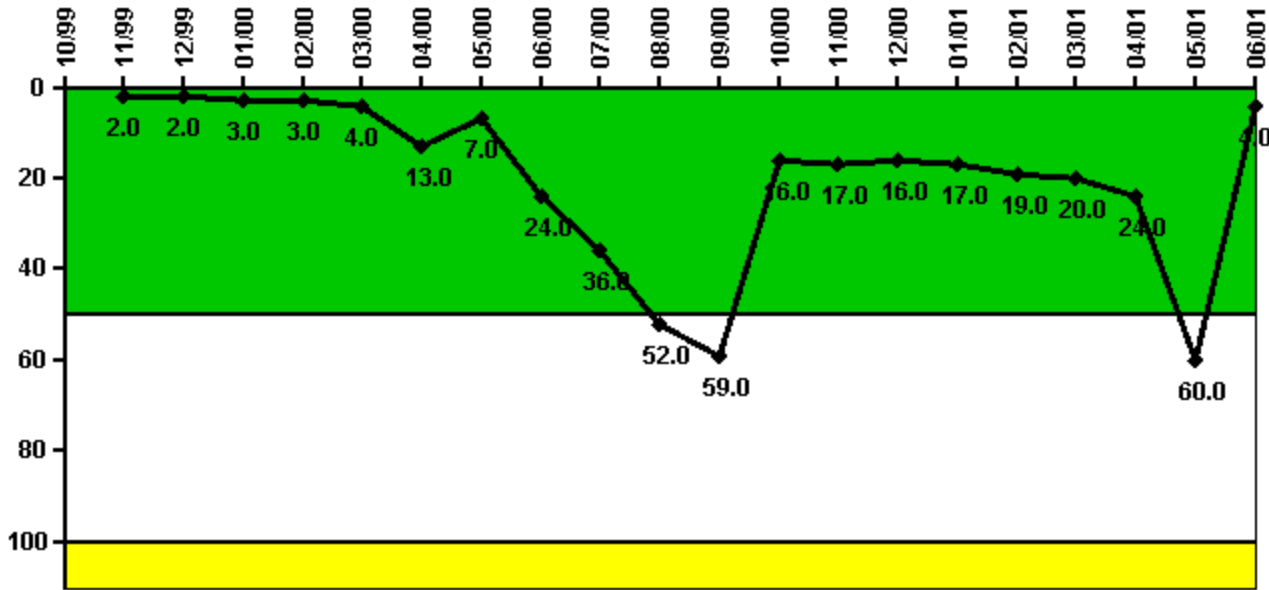
Notes

| Reactor Coolant System Activity | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 |
|---------------------------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | N/A | 0.002507 | 0.003350 | 0.003040 | 0.003110 | 0.004000 | 0.003000 | 0.003200 | 0.002870 | 0.002810 | 0.002810 | 0.003830 |
| 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 | N/A | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |

| Reactor Coolant System Activity | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.003890 | 0.004110 | 0.004530 | 0.004410 | 0.004470 | 0.004590 | 0.004810 | 0.004880 | 0.006150 |
| Technical specification limit | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Indicator value | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 |

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

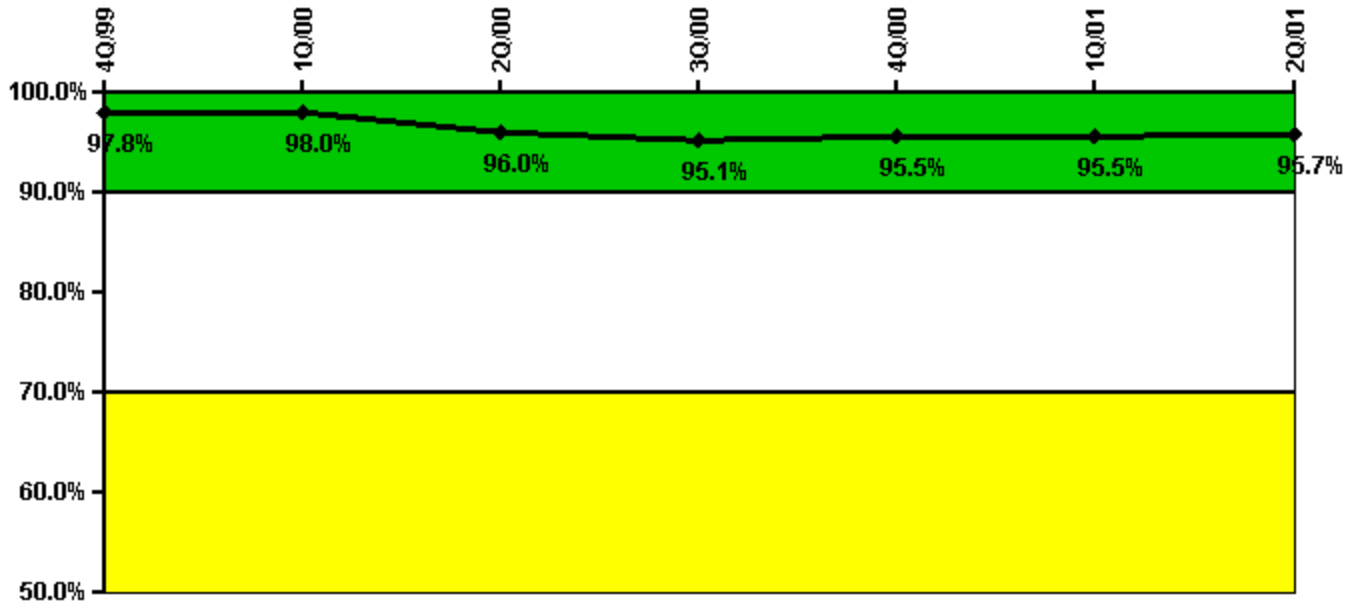
| Reactor Coolant System Leakage | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | N/A | 0.200 | 0.200 | 0.300 | 0.300 | 0.400 | 1.300 | 0.700 | 2.400 | 3.600 | 5.200 | 5.900 |
| 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 | N/A | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 13.0 | 7.0 | 24.0 | 36.0 | 52.0 | 59.0 |

| Reactor Coolant System Leakage | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 1.600 | 1.700 | 1.600 | 1.700 | 1.900 | 2.000 | 2.400 | 6.000 | 0.400 |
| Technical specification limit | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Indicator value | 16.0 | 17.0 | 16.0 | 17.0 | 19.0 | 20.0 | 24.0 | 60.0 | 4.0 |

Licensee Comments:

6/01: 2Q01: During a planned maintenance outage in May, increased leakage from Decay Heat valve DHV-3 was the major contributor to exceeding the level for Green operations and led to a White indicator. The unit remained off line for repair of the valve. The successful valve repair resulted from contingency actions already in place as part of the corrective actions to permanently fix the valve. After the valve repair, operations in this performance indicator returned to Green. However, the performance indicator for this parameter during the 2nd Quarter 2001 is White. It is expected that this performance indicator will return to Green during the next evaluation period.

Drill/Exercise Performance



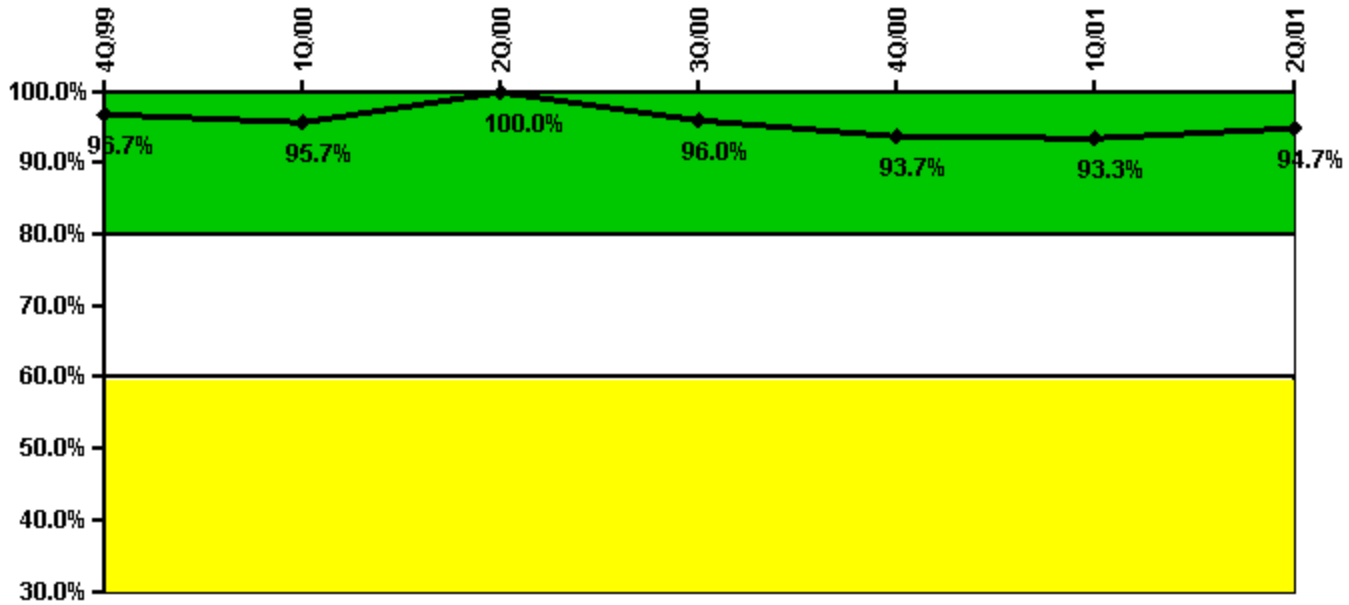
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 110.0 | 32.0 | 68.0 | 29.0 | 62.0 | 33.0 | 50.0 |
| Total opportunities | 112.0 | 32.0 | 76.0 | 34.0 | 64.0 | 34.0 | 50.0 |
| | | | | | | | |
| Indicator value | 97.8% | 98.0% | 96.0% | 95.1% | 95.5% | 95.5% | 95.7% |

Licensee Comments: none

ERO Drill Participation



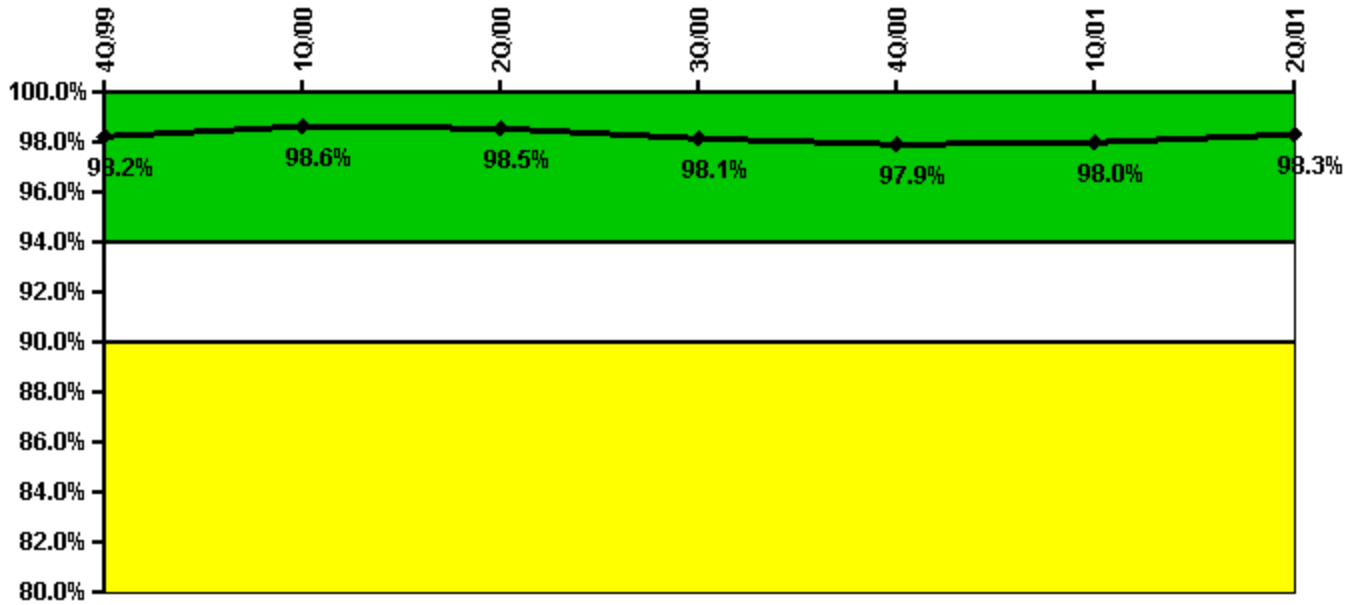
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|-----------------------------|-------|-------|--------|-------|-------|-------|-------|
| Participating Key personnel | 59.0 | 67.0 | 68.0 | 72.0 | 74.0 | 83.0 | 89.0 |
| Total Key personnel | 61.0 | 70.0 | 68.0 | 75.0 | 79.0 | 89.0 | 94.0 |
| | | | | | | | |
| Indicator value | 96.7% | 95.7% | 100.0% | 96.0% | 93.7% | 93.3% | 94.7% |

Licensee Comments: none

Alert & Notification System



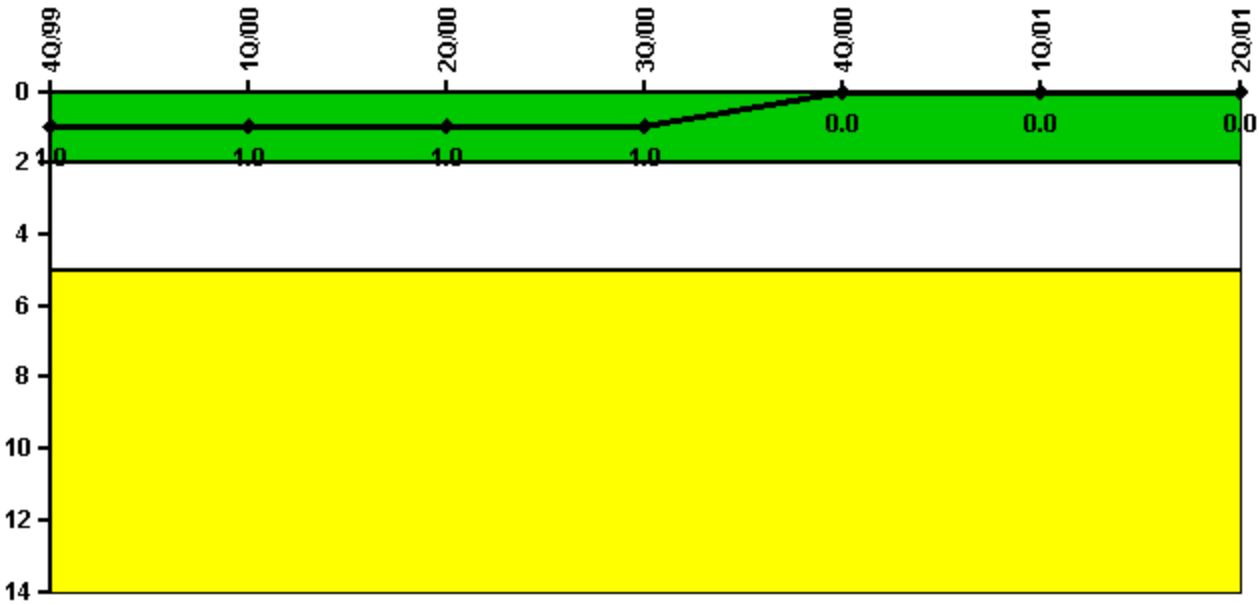
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 1265 | 1384 | 1493 | 1273 | 1491 | 1504 | 1511 |
| Total sirens-tests | 1280 | 1400 | 1520 | 1320 | 1520 | 1520 | 1520 |
| | | | | | | | |
| Indicator value | 98.2% | 98.6% | 98.5% | 98.1% | 97.9% | 98.0% | 98.3% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|----------|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very high radiation area occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unintended exposure occurrences | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 1 | 1 | 1 | 1 | 0 | 0 | 0 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



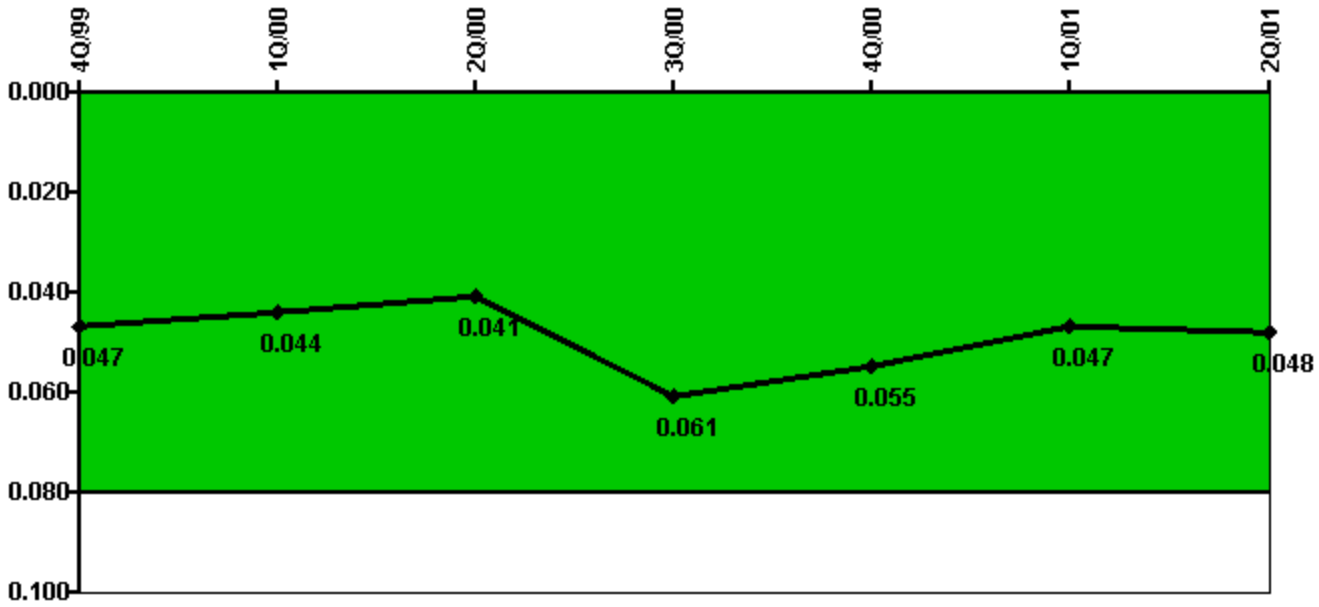
Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Protected Area Security Performance Index



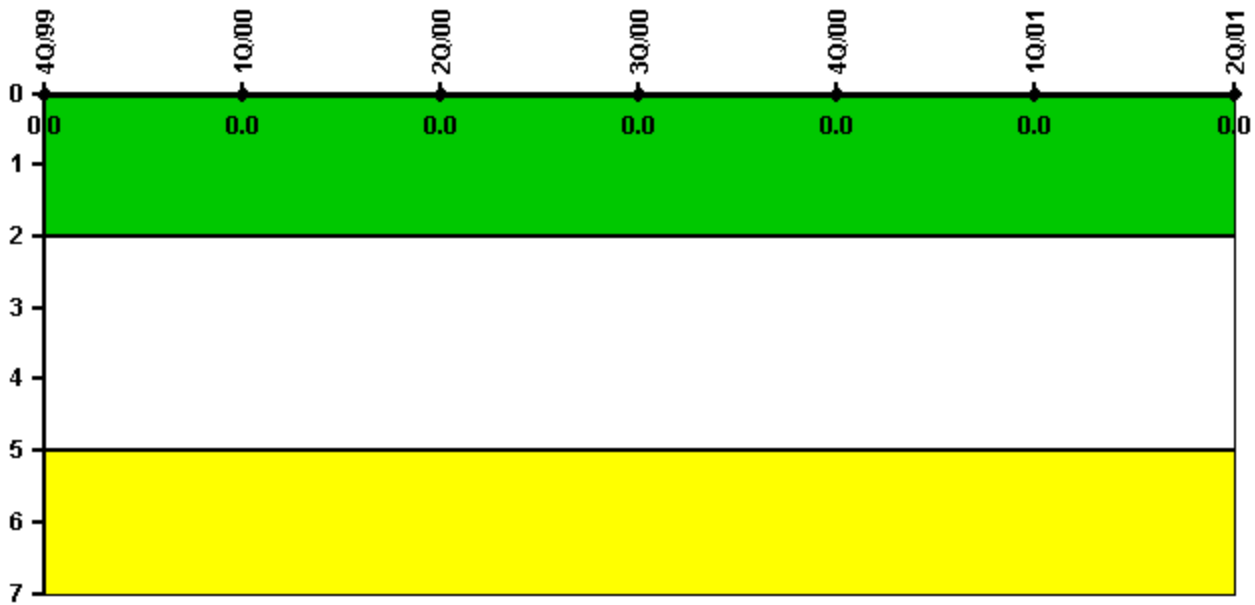
Thresholds: White > 0.080

Notes

| Protected Area Security Performance Index | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| IDS compensatory hours | 141.00 | 437.12 | 33.20 | 809.10 | 7.00 | 35.50 | 87.60 |
| CCTV compensatory hours | 16.8 | 32.7 | 16.9 | 26.8 | 6.4 | 162.4 | 2.9 |
| IDS normalization factor | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 |
| CCTV normalization factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | |
| Index Value | 0.047 | 0.044 | 0.041 | 0.061 | 0.055 | 0.047 | 0.048 |

Licensee Comments: none

Personnel Screening Program



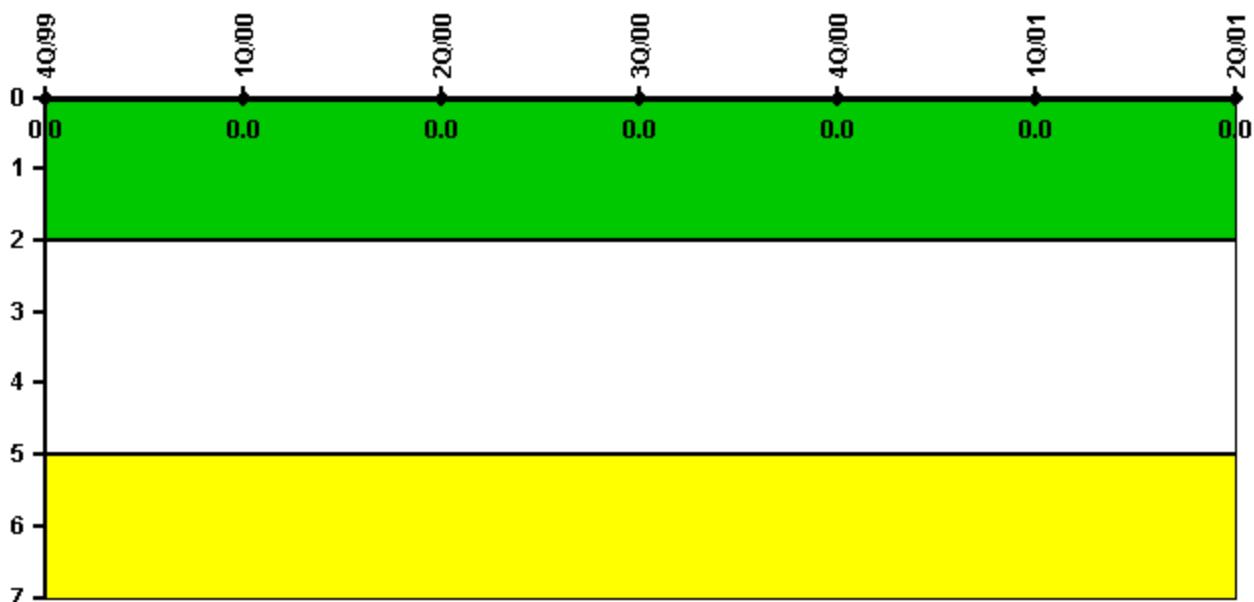
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Personnel Screening Program | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|
| Program failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| Indicator value | 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/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

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

Last Modified: March 27, 2002