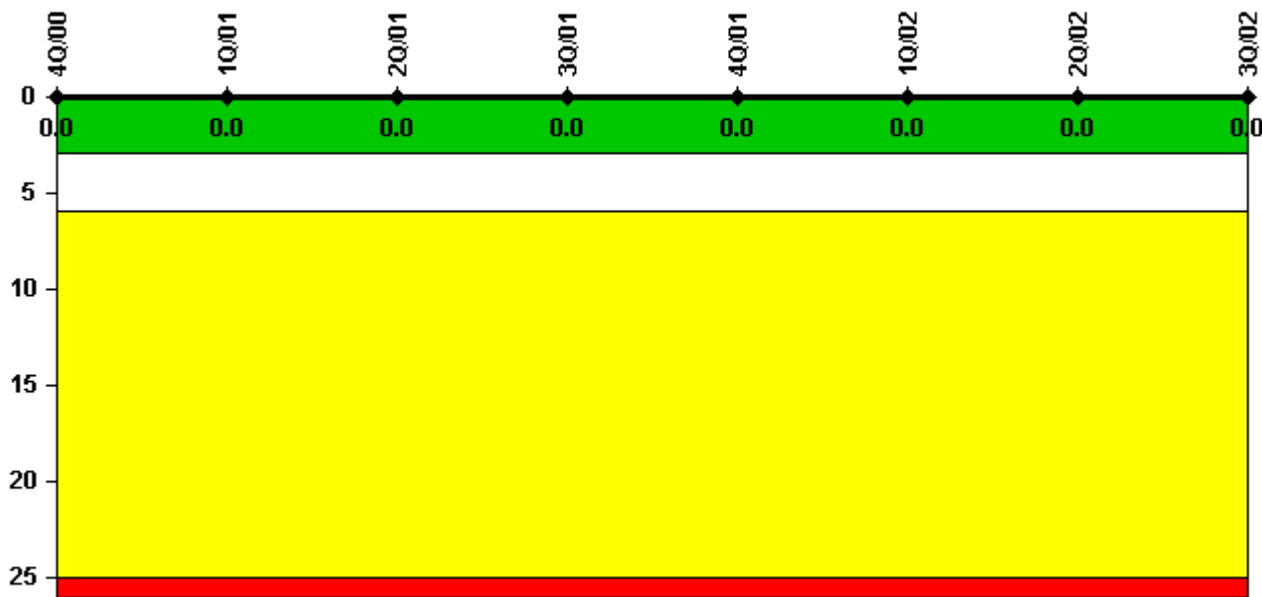


Calvert Cliffs 2

3Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



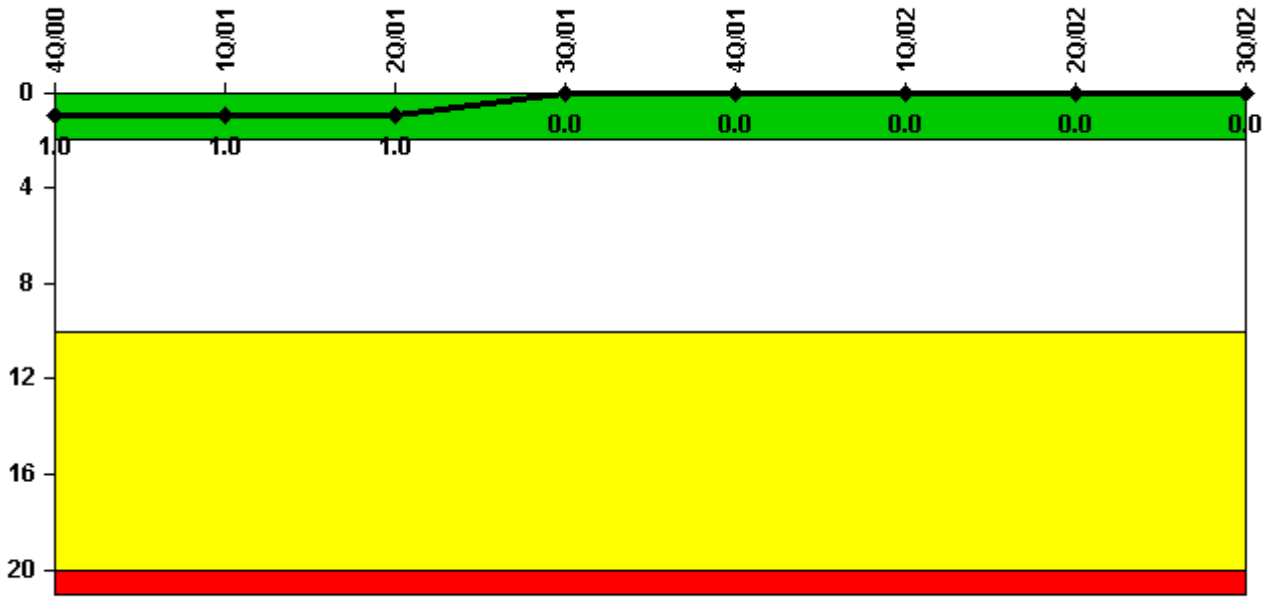
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1800.0 | 1163.4 | 2208.0 | 2162.9 | 2160.0 | 2183.0 | 2208.0 |
| | | | | | | | | |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



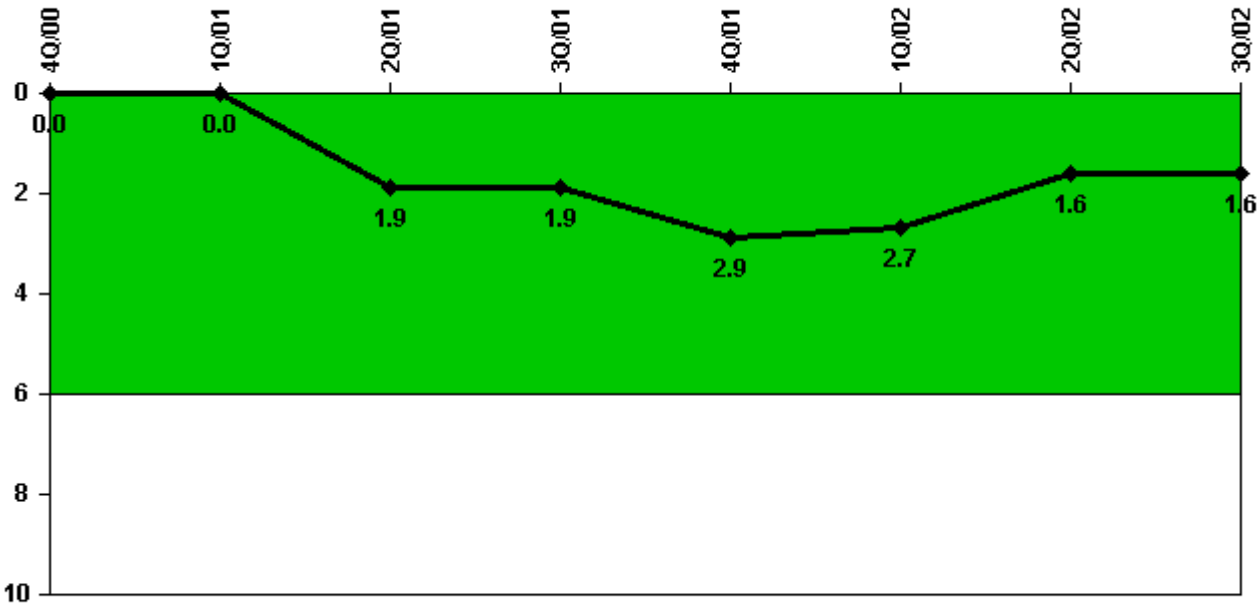
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 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 | 1.0 | 1.0 | 1.0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



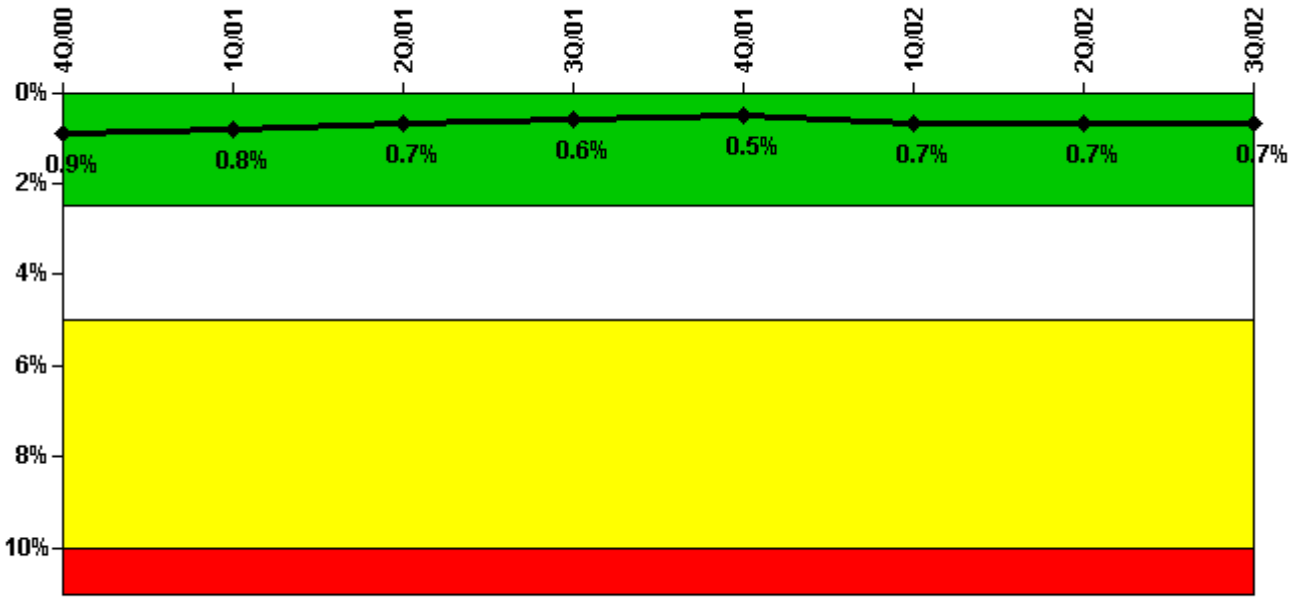
Thresholds: White > 6.0

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 | 0 | 0 | 2.0 | 0 | 1.0 | 0 | 1.0 | 0 |
| Critical hours | 2209.0 | 1800.0 | 1163.4 | 2208.0 | 2162.9 | 2160.0 | 2183.0 | 2208.0 |
| | | | | | | | | |
| Indicator value | 0 | 0 | 1.9 | 1.9 | 2.9 | 2.7 | 1.6 | 1.6 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



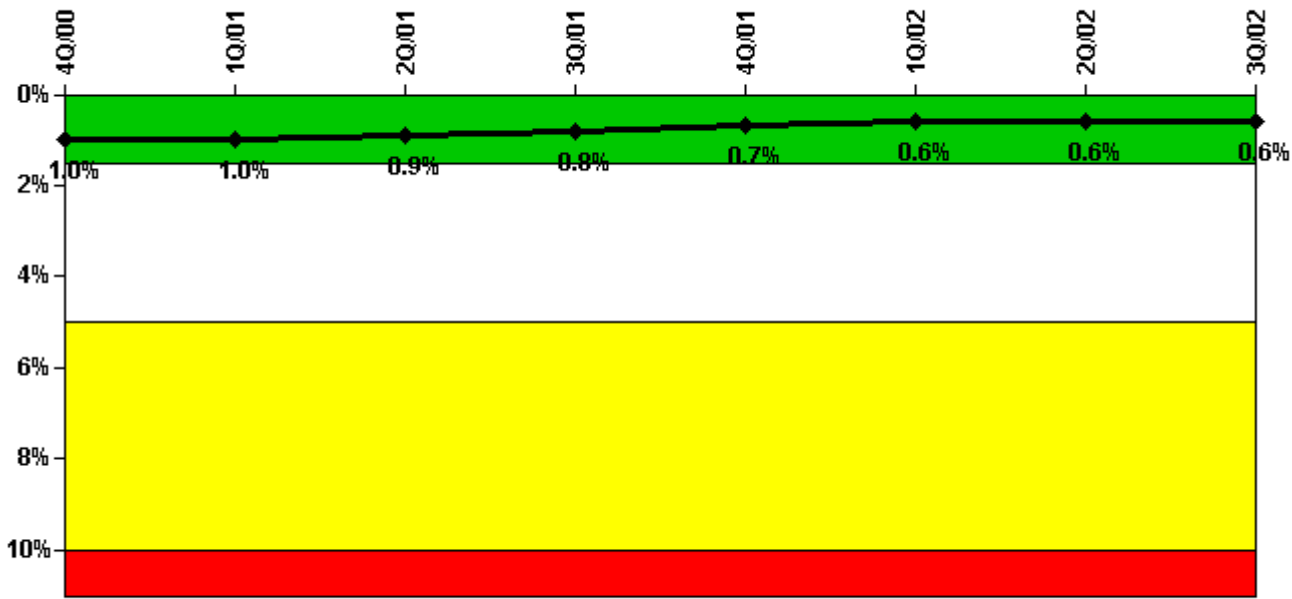
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

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 | 0 | 15.33 | 0.83 | 34.50 | 0.50 | 1.33 | 13.50 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 17.27 | 9.27 | 143.98 | 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 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0.50 | 37.40 | 0 | 0 | 0.25 | 0 | 2.70 | 13.27 |
| Unplanned unavailable hours | 0 | 0.25 | 0 | 0 | 0 | 12.25 | 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 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| Indicator value | 0.9% | 0.8% | 0.7% | 0.6% | 0.5% | 0.7% | 0.7% | 0.7% |

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



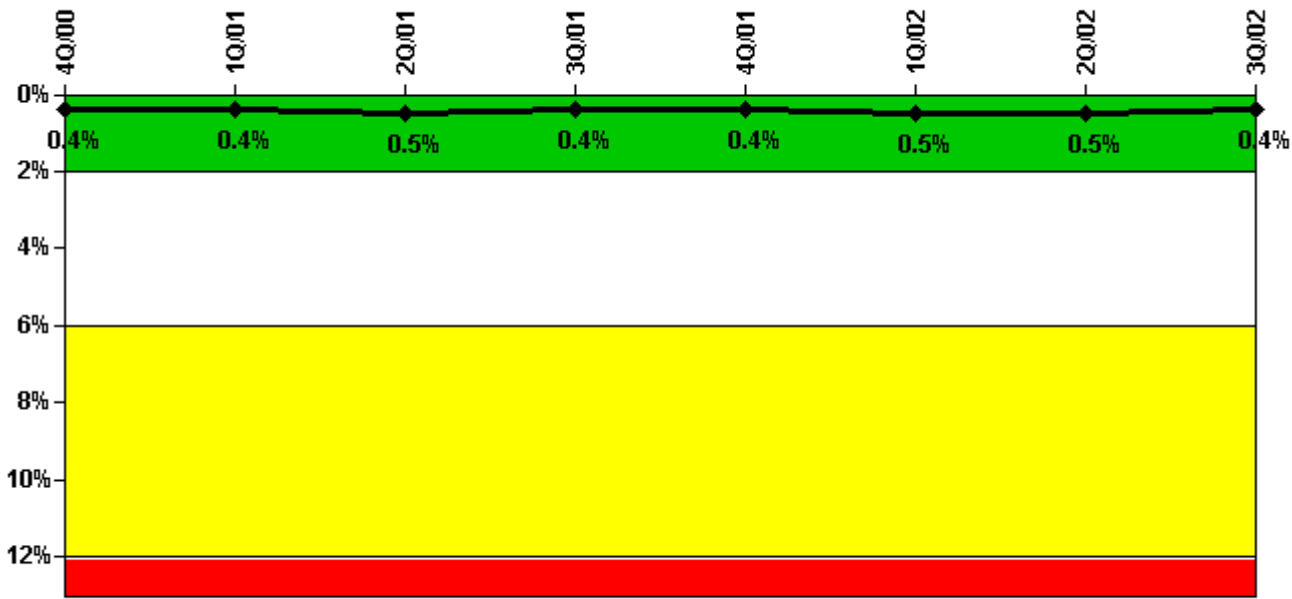
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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 | 15.63 | 36.34 | 1.54 | 0.27 | 9.94 | 20.17 | 0.30 | 2.42 |
| Unplanned unavailable hours | 7.33 | 0 | 0 | 0 | 9.27 | 0 | 11.70 | 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 | 1800.00 | 1163.30 | 2208.00 | 2162.90 | 2160.00 | 2183.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 1.13 | 19.27 | 1.54 | 17.47 | 0.54 | 17.45 | 0.30 | 34.49 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0.47 | 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 | 1800.00 | 1163.30 | 2208.00 | 2162.90 | 2160.00 | 2183.00 | 2208.00 |
| Indicator value | 1.0% | 1.0% | 0.9% | 0.8% | 0.7% | 0.6% | 0.6% | 0.6% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



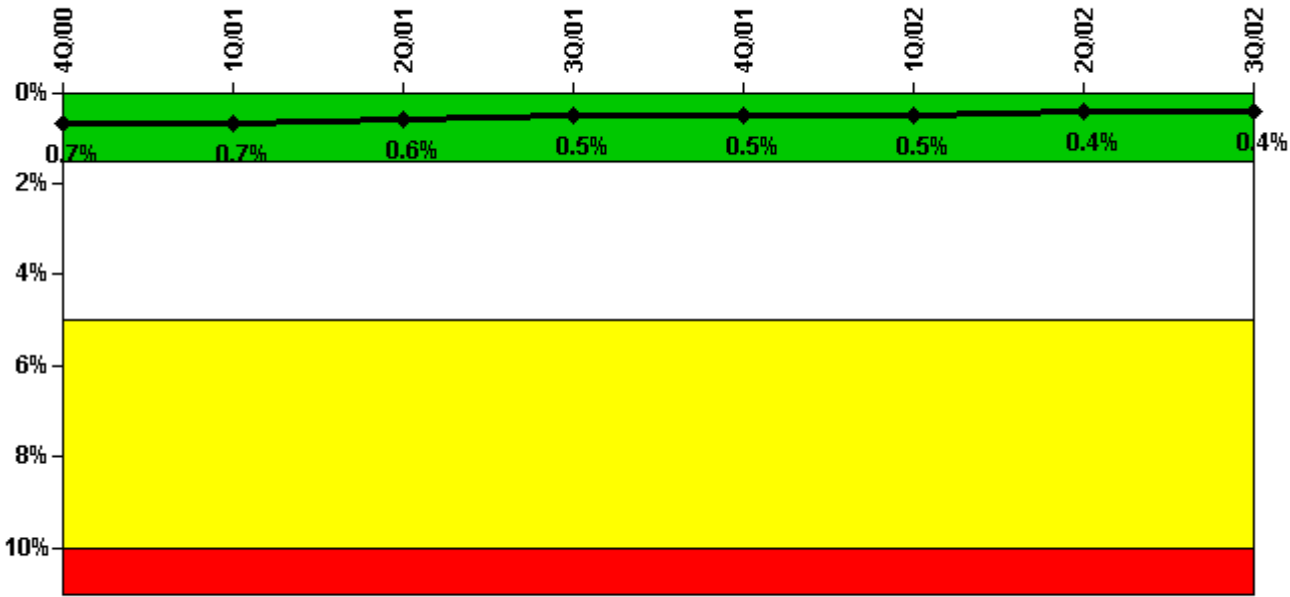
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

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 | 2.75 | 2.33 | 18.04 | 8.91 | 0.08 | 22.42 | 2.20 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 6.58 | 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 | 1800.00 | 1163.30 | 2208.00 | 2162.90 | 2160.00 | 2183.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 2.75 | 2.33 | 22.28 | 13.67 | 0.17 | 22.42 | 2.70 | 0.47 |
| Unplanned unavailable hours | 0 | 0 | 0 | 6.58 | 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 | 1800.00 | 1163.30 | 2208.00 | 2162.90 | 2160.00 | 2183.00 | 2208.00 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 3.83 | 0 | 31.95 | 38.92 | 13.07 | 0 | 4.60 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0.58 | 0 | 0 | 0 | 23.38 |
| 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 | 1800.00 | 1163.30 | 2208.00 | 2162.90 | 2160.00 | 2183.00 | 2208.00 |
| Indicator value | 0.4% | 0.4% | 0.5% | 0.4% | 0.4% | 0.5% | 0.5% | 0.4% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



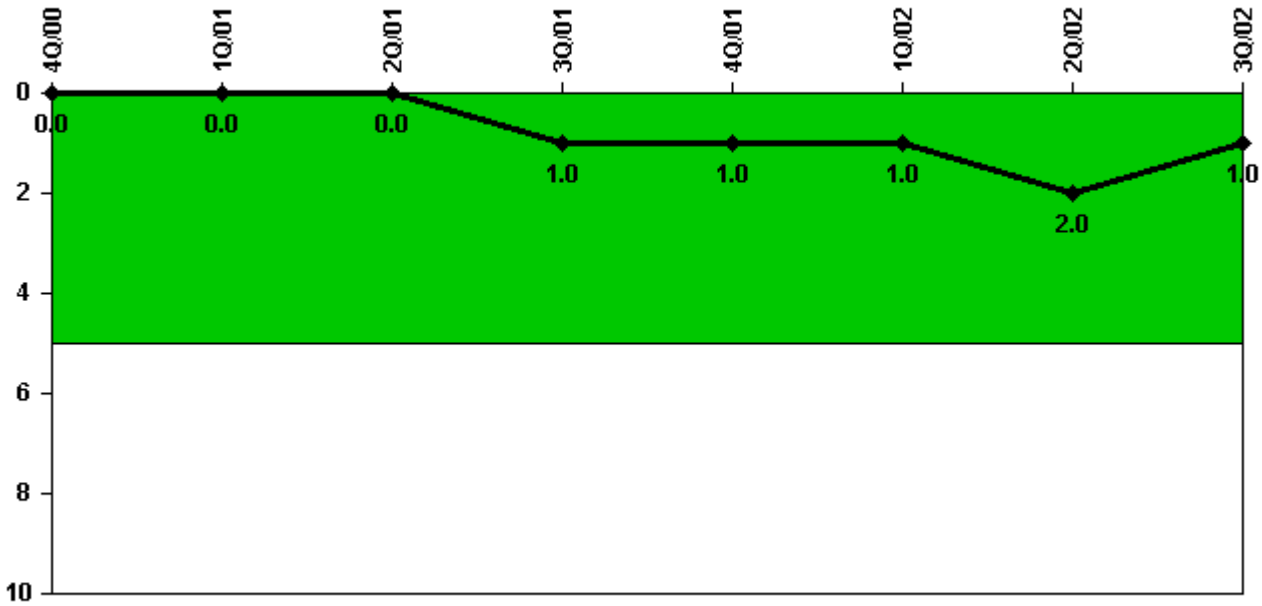
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 336.80 | 935.40 | 0 | 19.30 | 0 | 0 | 0 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 336.80 | 935.40 | 0 | 19.30 | 0 | 0 | 0 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 17.30 | 34.49 | 4.24 | 2.62 | 25.68 | 21.59 | 18.10 | 2.49 |
| Unplanned unavailable hours | 7.33 | 0 | 0 | 0 | 9.27 | 0 | 11.70 | 1.92 |
| 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 | 1823.20 | 1247.60 | 2208.00 | 2189.70 | 2160.00 | 2183.00 | 2208.00 |
| Train 4 | | | | | | | | |
| Planned unavailable hours | 2.23 | 28.40 | 4.52 | 22.54 | 1.91 | 18.47 | 6.40 | 42.50 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.15 |
| 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 | 1823.20 | 1247.60 | 2208.00 | 2189.70 | 2160.00 | 2183.00 | 2208.00 |
| Indicator value | 0.7% | 0.7% | 0.6% | 0.5% | 0.5% | 0.5% | 0.4% | 0.4% |

Licensee Comments: none

Safety System Functional Failures (PWR)



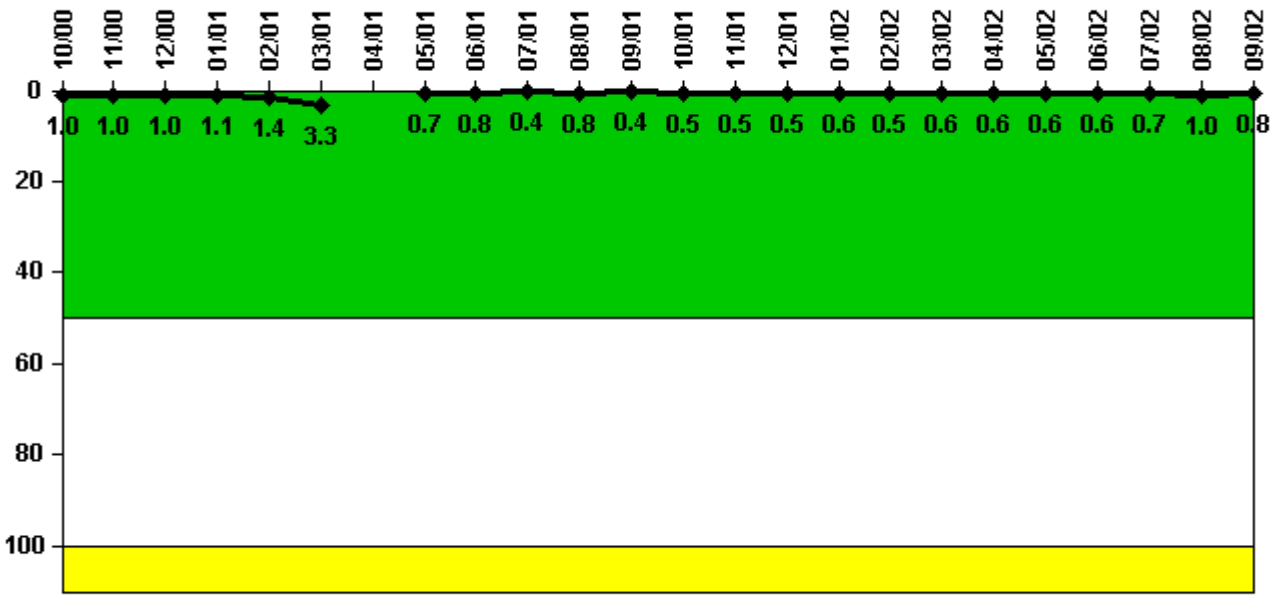
Thresholds: White > 5.0

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 | 0 | 1 | 0 | 0 | 1 | 0 |
| Indicator value | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 1 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

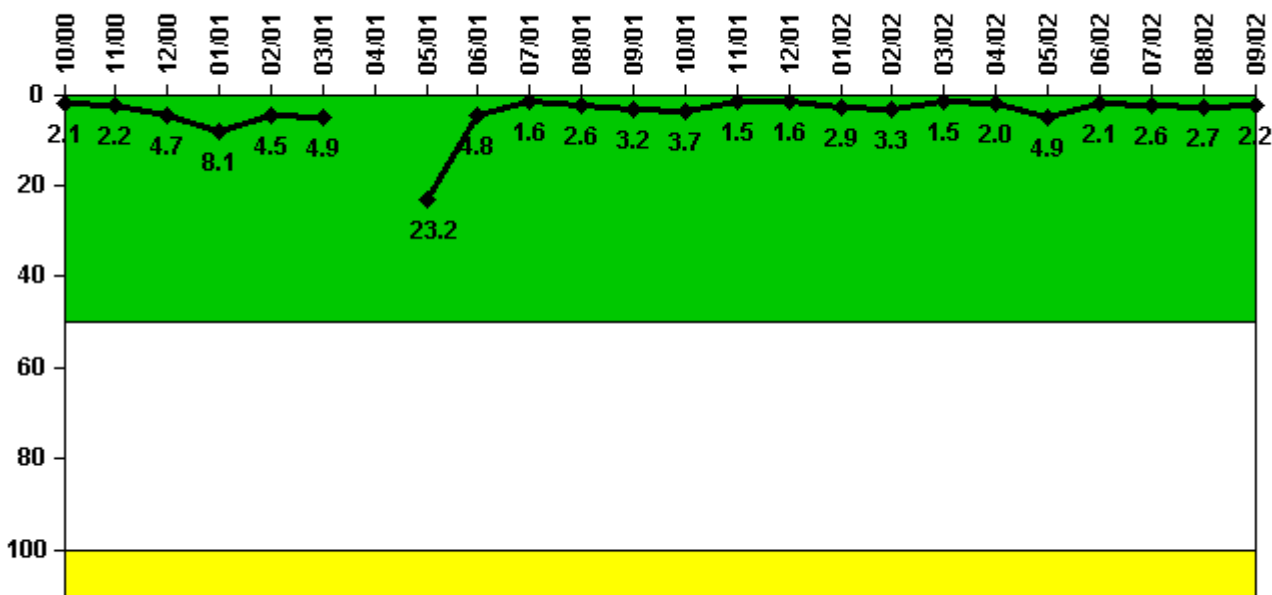
Notes

| 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 | 0.009960 | 0.010200 | 0.010400 | 0.011200 | 0.013600 | 0.032800 | N/A | 0.007460 | 0.007800 | 0.003780 | 0.007770 | 0.004230 |
| 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 | 1.0 | 1.0 | 1.0 | 1.1 | 1.4 | 3.3 | N/A | 0.7 | 0.8 | 0.4 | 0.8 | 0.4 |

| 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 | 0.004620 | 0.004720 | 0.005170 | 0.005730 | 0.005470 | 0.005600 | 0.005600 | 0.006010 | 0.006200 | 0.006550 | 0.009630 | 0.007900 |
| 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 | 0.5 | 0.5 | 0.6 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 1.0 | 0.8 |

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

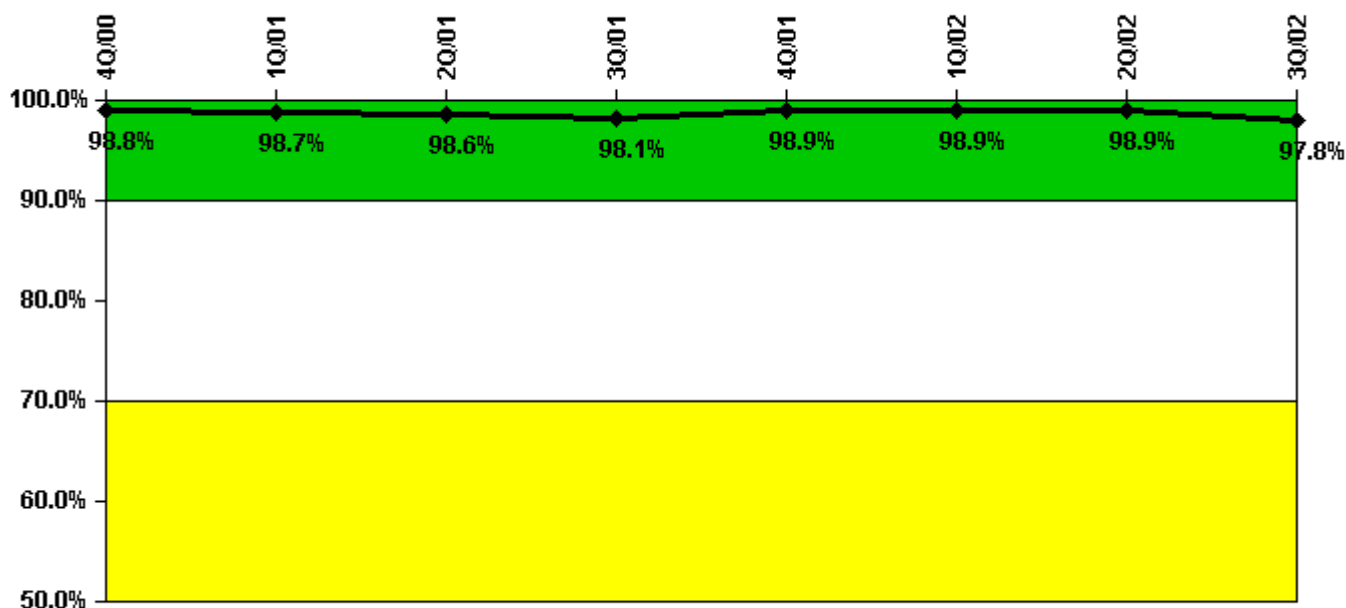
Notes

| 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 | 0.212 | 0.224 | 0.471 | 0.814 | 0.450 | 0.488 | N/A | 2.320 | 0.480 | 0.155 | 0.260 | 0.317 |
| 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 | 2.1 | 2.2 | 4.7 | 8.1 | 4.5 | 4.9 | N/A | 23.2 | 4.8 | 1.6 | 2.6 | 3.2 |

| 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 | 0.370 | 0.150 | 0.160 | 0.289 | 0.331 | 0.145 | 0.200 | 0.486 | 0.211 | 0.262 | 0.273 | 0.220 |
| 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 | 3.7 | 1.5 | 1.6 | 2.9 | 3.3 | 1.5 | 2.0 | 4.9 | 2.1 | 2.6 | 2.7 | 2.2 |

Licensee Comments: none

Drill/Exercise Performance



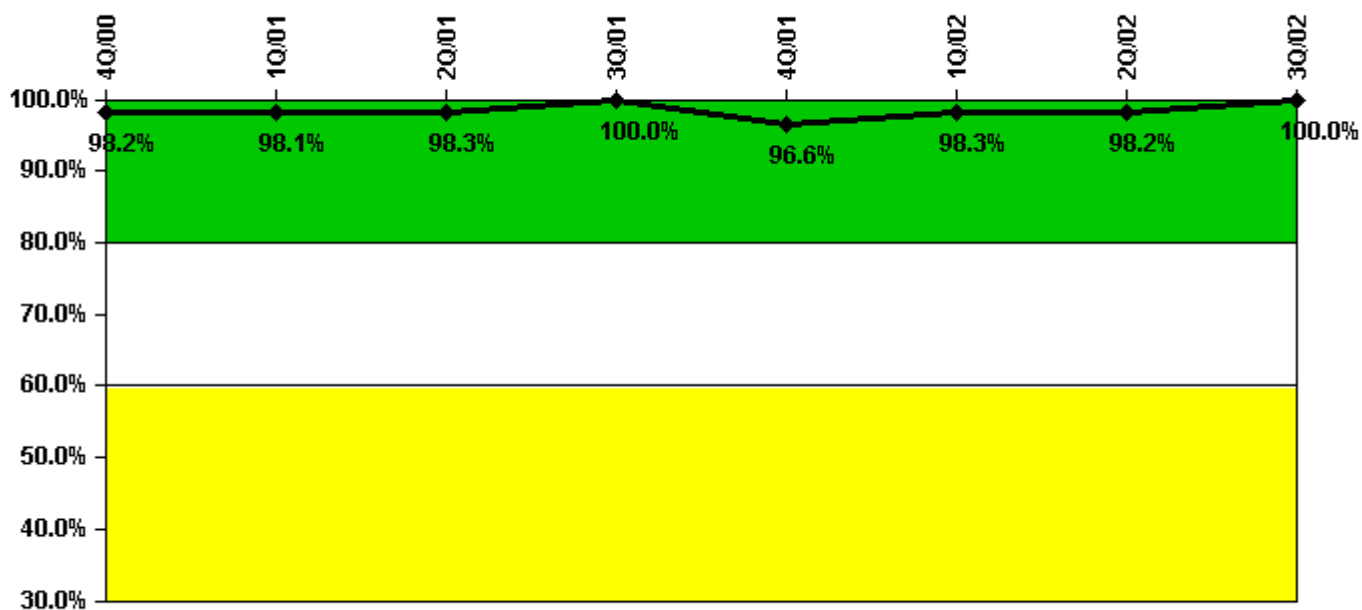
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 33.0 | 11.0 | 22.0 | 27.0 | 25.0 | 14.0 | 8.0 | 34.0 |
| Total opportunities | 33.0 | 11.0 | 22.0 | 28.0 | 25.0 | 14.0 | 8.0 | 37.0 |
| | | | | | | | | |
| Indicator value | 98.8% | 98.7% | 98.6% | 98.1% | 98.9% | 98.9% | 98.9% | 97.8% |

Licensee Comments: none

ERO Drill Participation



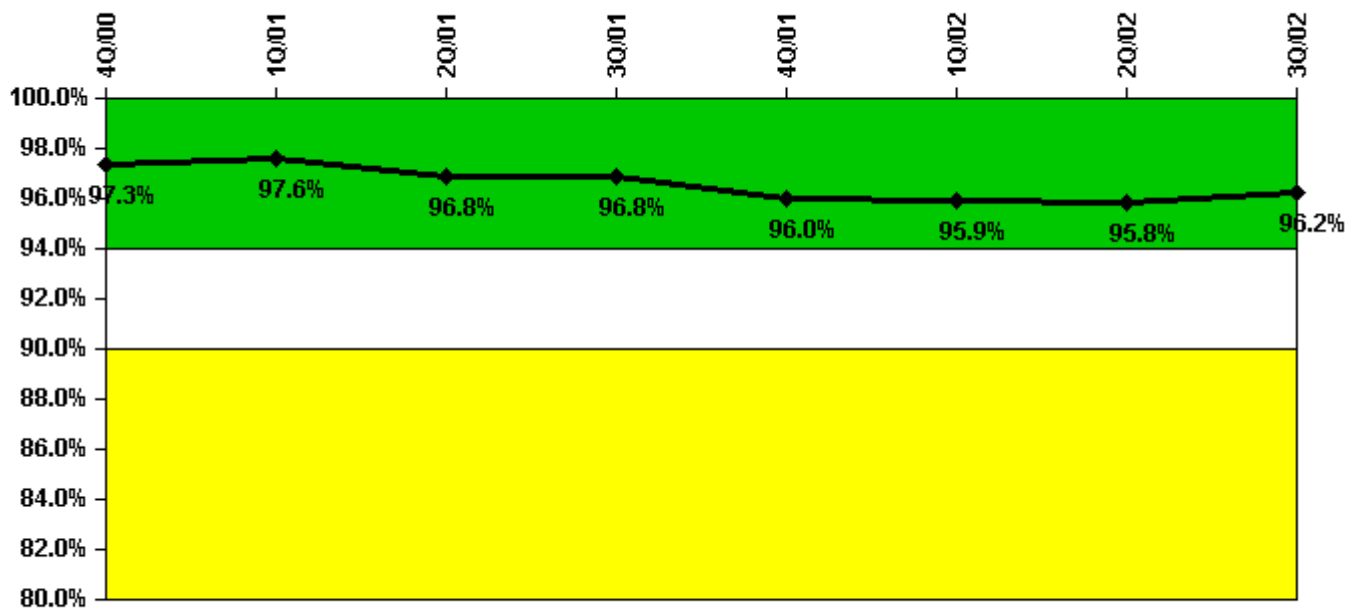
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|-----------------------------|-------|-------|-------|--------|-------|-------|-------|--------|
| Participating Key personnel | 54.0 | 53.0 | 59.0 | 57.0 | 57.0 | 58.0 | 54.0 | 58.0 |
| Total Key personnel | 55.0 | 54.0 | 60.0 | 57.0 | 59.0 | 59.0 | 55.0 | 58.0 |
| | | | | | | | | |
| Indicator value | 98.2% | 98.1% | 98.3% | 100.0% | 96.6% | 98.3% | 98.2% | 100.0% |

Licensee Comments: none

Alert & Notification System



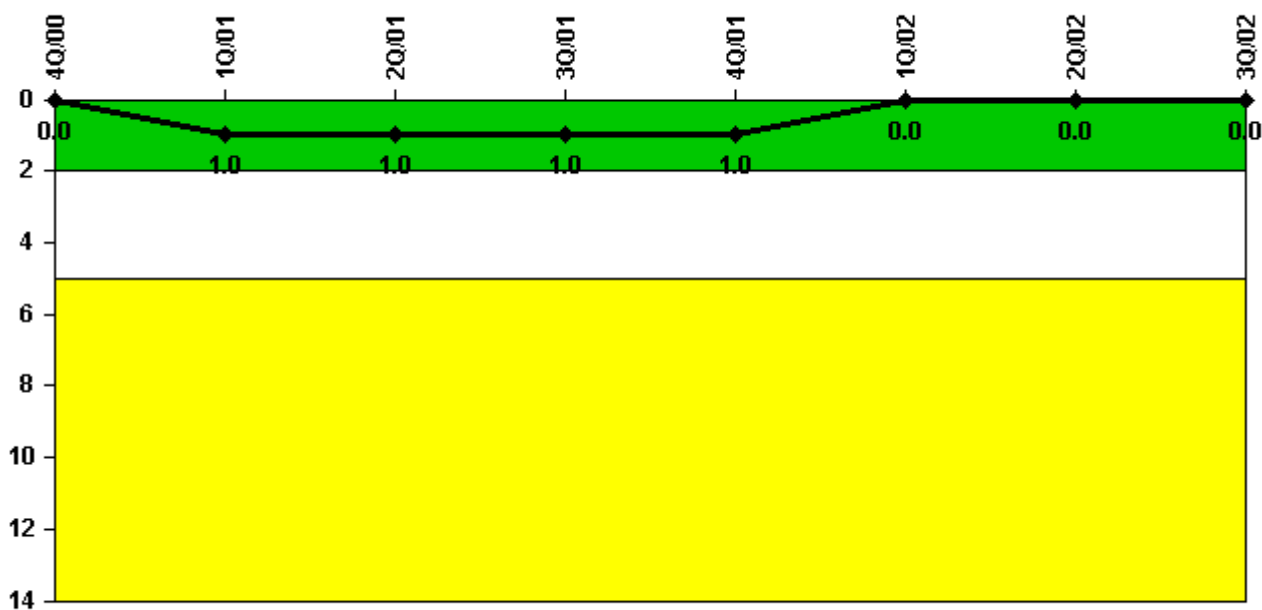
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 1039 | 990 | 944 | 969 | 1078 | 918 | 956 | 1035 |
| Total sirens-tests | 1068 | 1002 | 1002 | 1002 | 1140 | 930 | 1019 | 1057 |
| | | | | | | | | |
| Indicator value | 97.3% | 97.6% | 96.8% | 96.8% | 96.0% | 95.9% | 95.8% | 96.2% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



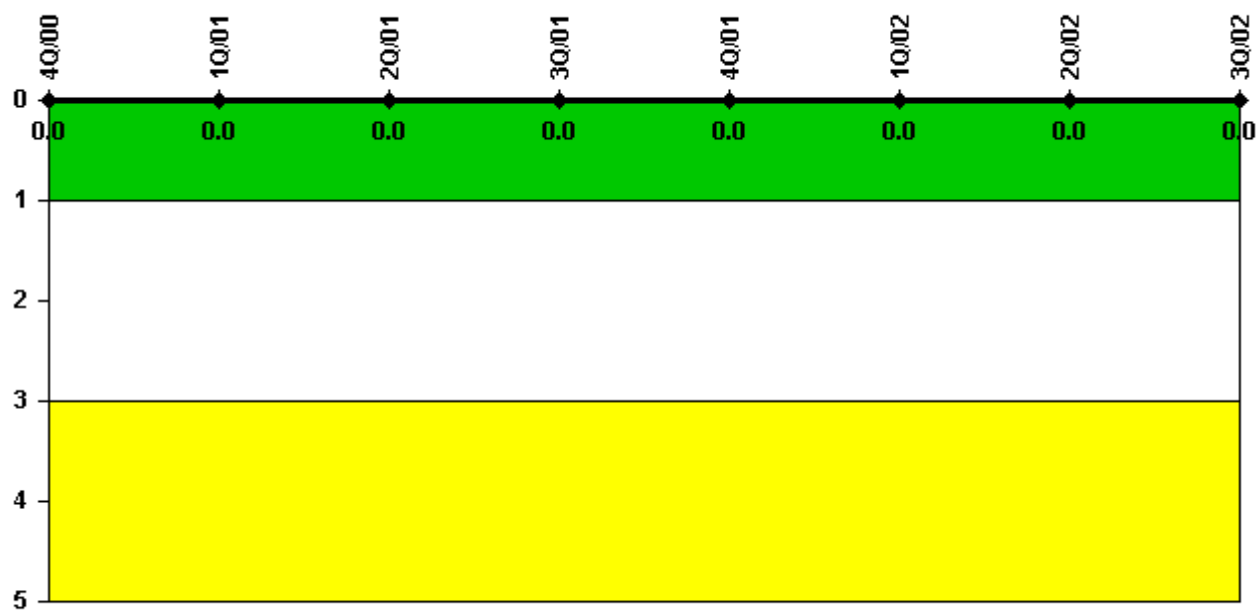
Thresholds: White > 2.0 Yellow > 5.0

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 | 1 | 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 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



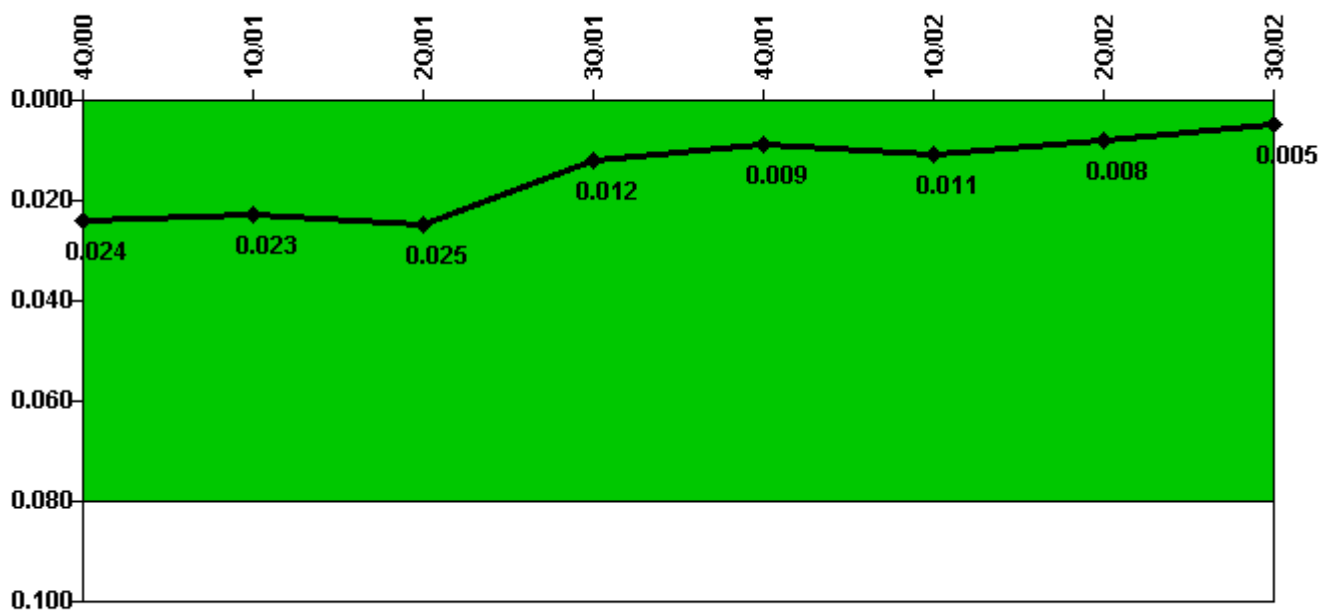
Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 4Q/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: none

Protected Area Security Performance Index



Thresholds: White > 0.080

Notes

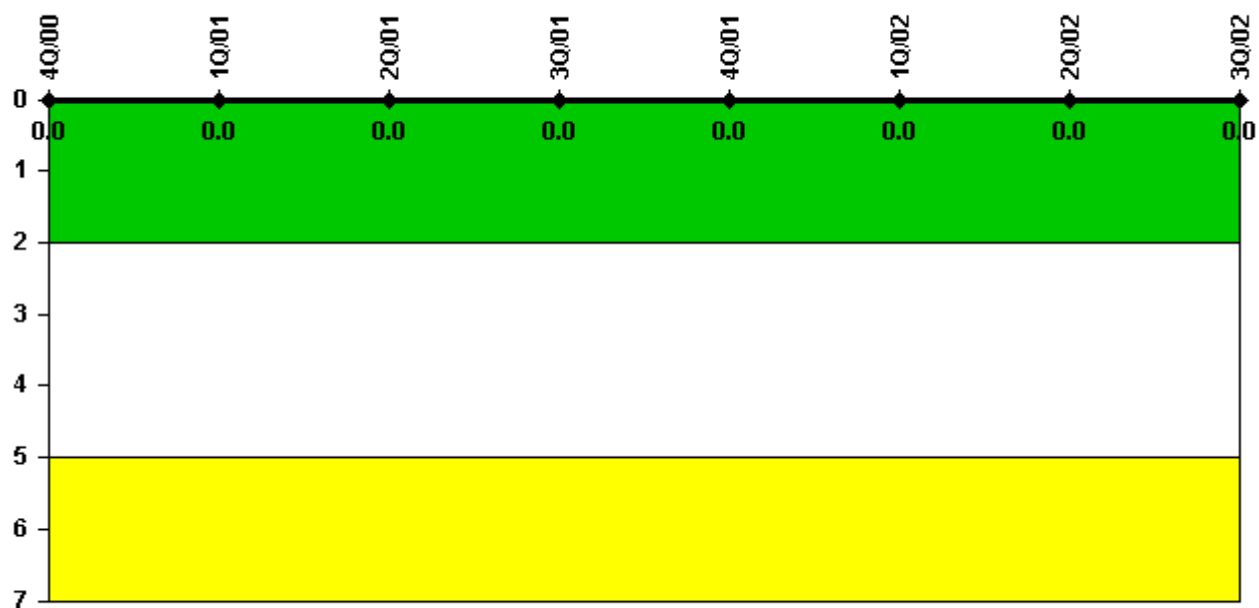
| Protected Area Security Performance Index | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|--------|-------|-------|-------|-------|-------|-------|-------|
| IDS compensatory hours | 116.70 | 14.80 | 85.60 | 69.60 | 39.90 | 51.10 | 1.80 | 7.80 |
| CCTV compensatory hours | 0 | 0 | 0 | 0 | 0 | 19.5 | 0 | 0 |
| IDS normalization factor | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| CCTV normalization factor | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| Index Value | 0.024 | 0.023 | 0.025 | 0.012 | 0.009 | 0.011 | 0.008 | 0.005 |

Licensee Comments:

3Q/02: The indicator value for Q2/2002 is different than previously reported as a result of a change report submitted to correct Q2/2002 data for CCTV and IDS compensatory hours.

2Q/02: The number of IDS Compensatory Hours during the last 4 quarters and CCTV Compensatory Hours during the last 4 quarters were inadvertently reported for the number of IDS Compensatory Hours during the quarter and CCTV Compensatory Hours during the quarter, respectively. This change affects the Q2/2002 report only and does not affect the color of the indicator.

Personnel Screening Program



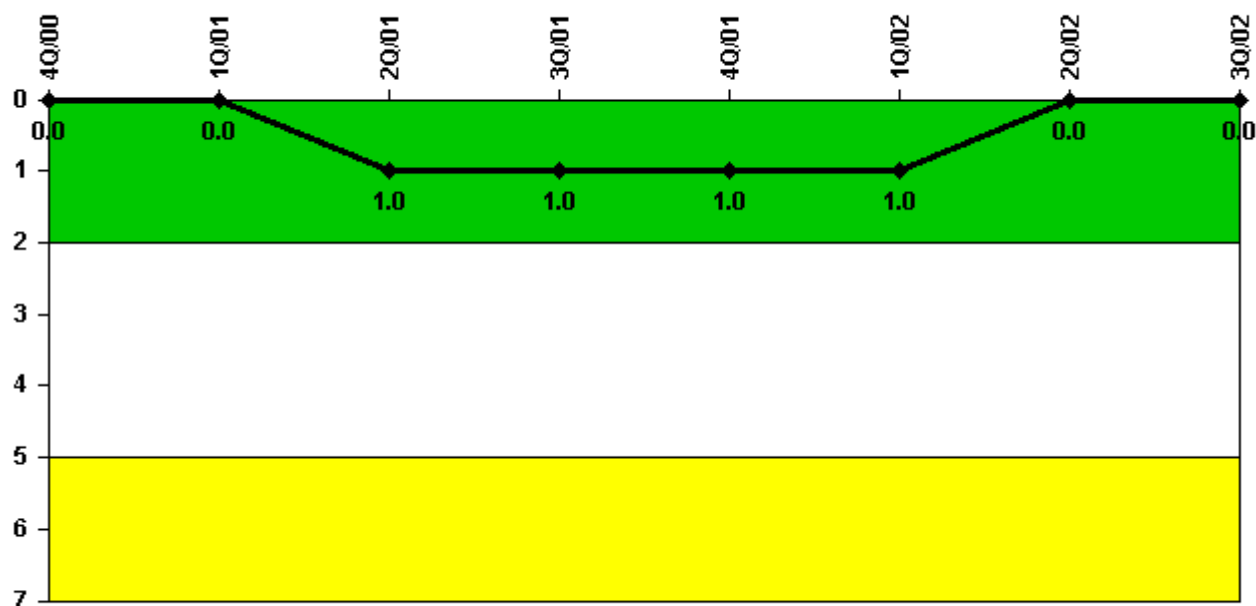
Thresholds: White > 2.0 Yellow > 5.0

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 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| Indicator value | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 |

Licensee Comments: none

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

Last Modified: October 22, 2002