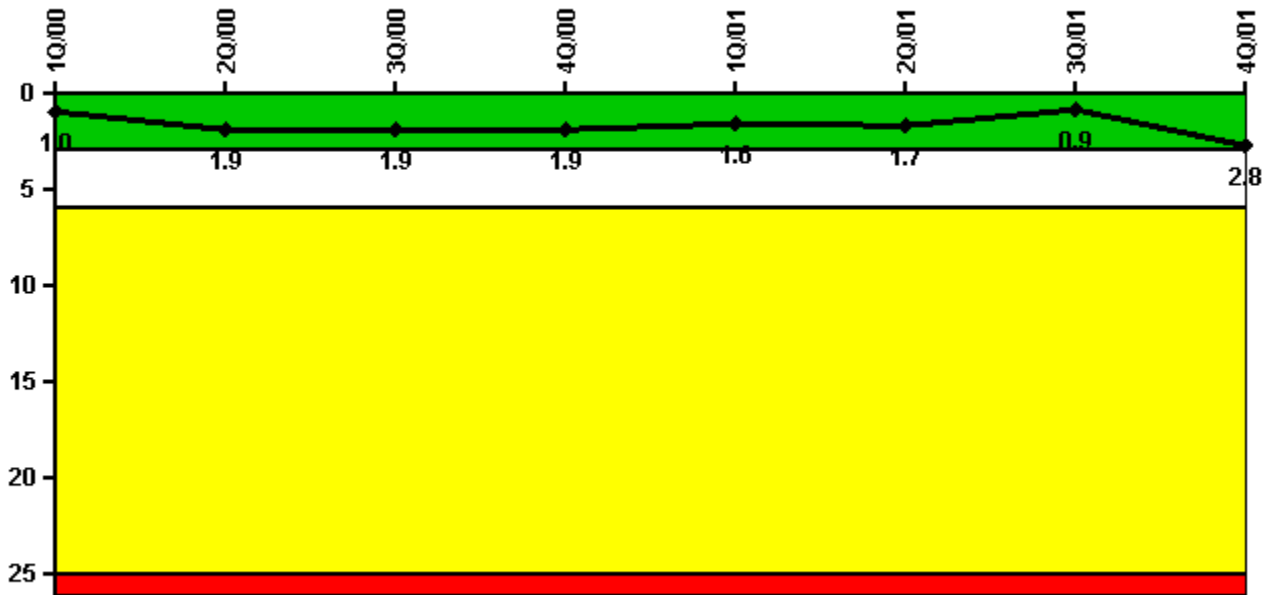


Beaver Valley 1

4Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



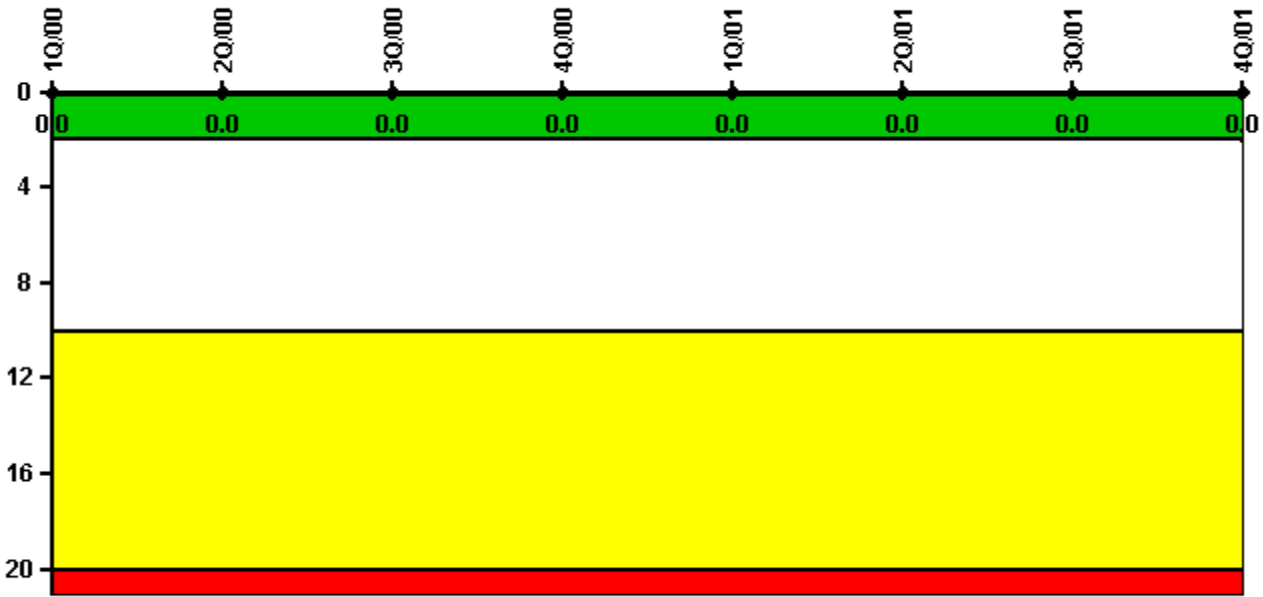
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| Unplanned scrams | 0 | 1.0 | 1.0 | 0 | 0 | 1.0 | 0 | 2.0 |
| Critical hours | 1092.5 | 2022.2 | 2174.3 | 2209.0 | 2160.0 | 1905.1 | 1488.0 | 1908.5 |
| | | | | | | | | |
| Indicator value | 1.0 | 1.9 | 1.9 | 1.9 | 1.6 | 1.7 | 0.9 | 2.8 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



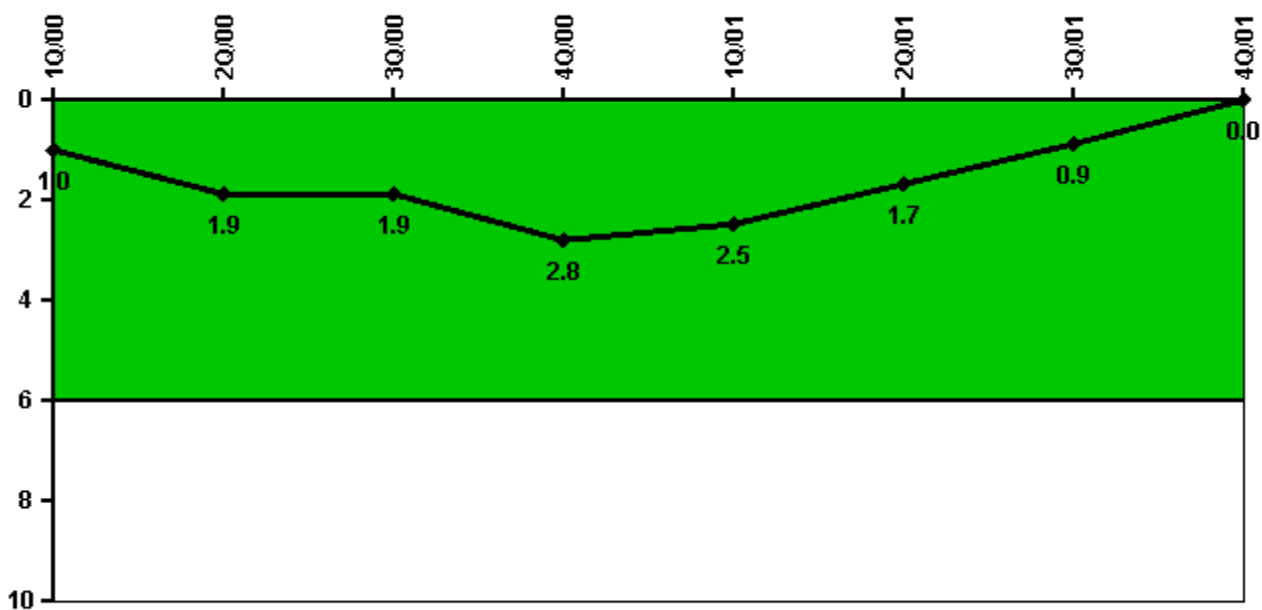
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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



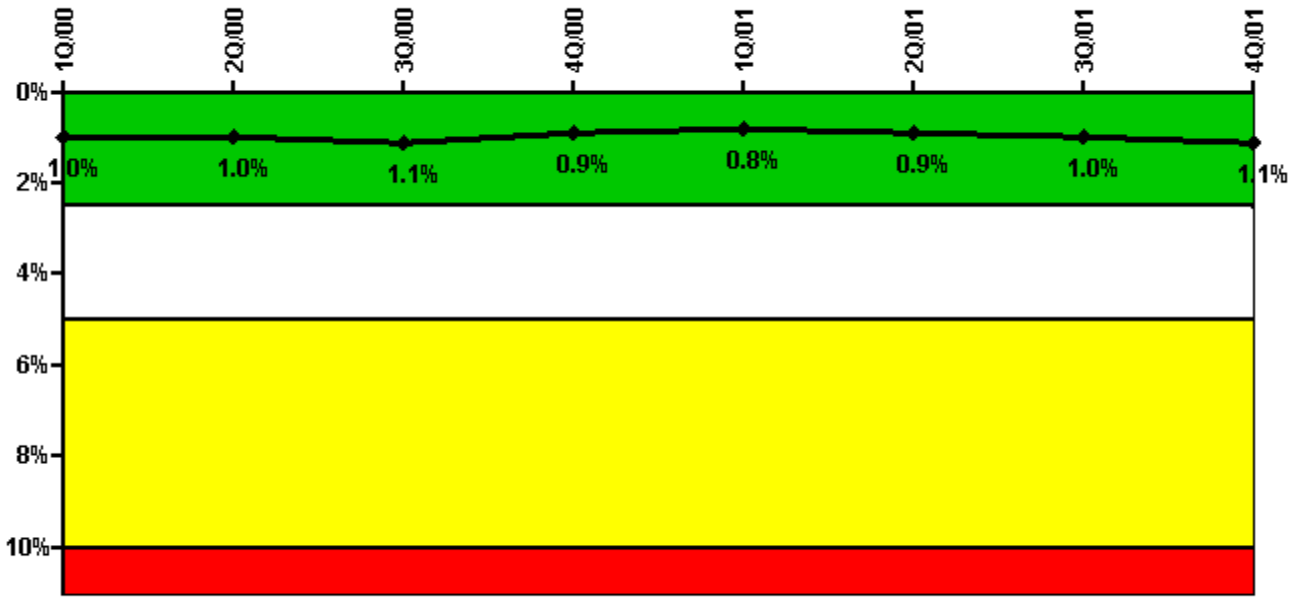
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 1.0 | 1.0 | 1.0 | 0 | 0 | 0 | 0 |
| Critical hours | 1092.5 | 2022.2 | 2174.3 | 2209.0 | 2160.0 | 1905.1 | 1488.0 | 1908.5 |
| Indicator value | 1.0 | 1.9 | 1.9 | 2.8 | 2.5 | 1.7 | 0.9 | 0 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



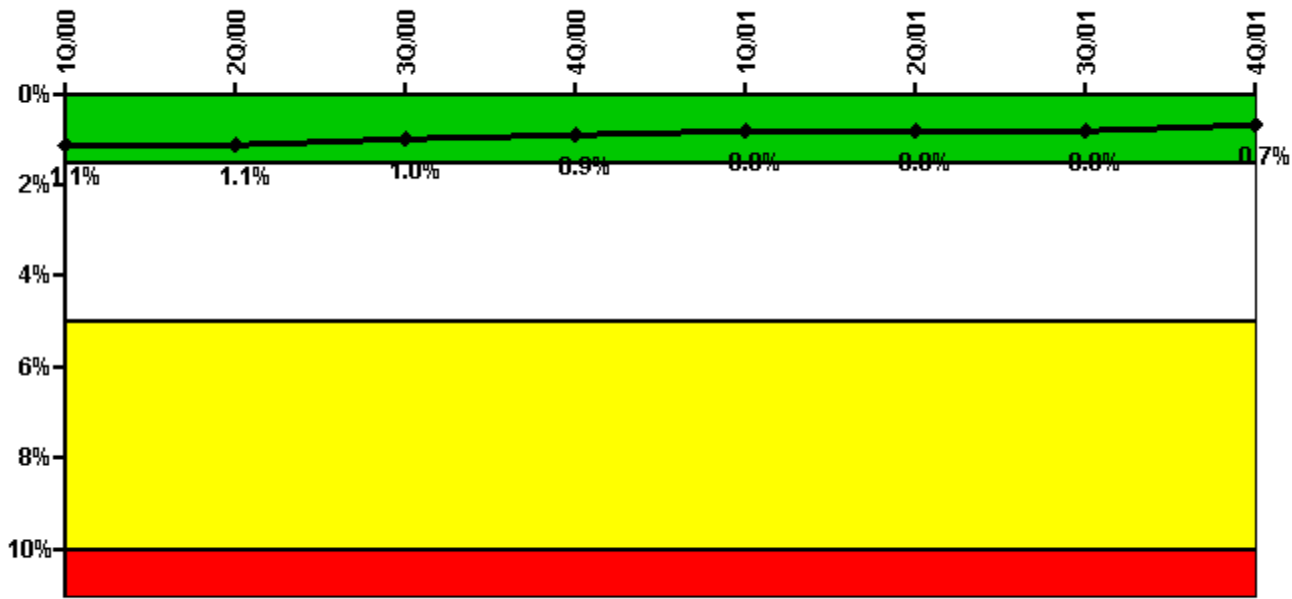
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Emergency AC Power | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 67.20 | 17.50 | 12.10 | 8.80 | 5.20 | 26.80 | 4.10 | 10.40 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 102.50 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 28.70 | 27.00 | 5.80 | 5.60 | 43.80 | 6.20 | 3.70 | 7.00 |
| Unplanned unavailable hours | 48.00 | 0 | 0 | 0 | 0.10 | 0 | 0 | 22.60 |
| Fault exposure hours | 62.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| Indicator value | 1.0% | 1.0% | 1.1% | 0.9% | 0.8% | 0.9% | 1.0% | 1.1% |

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



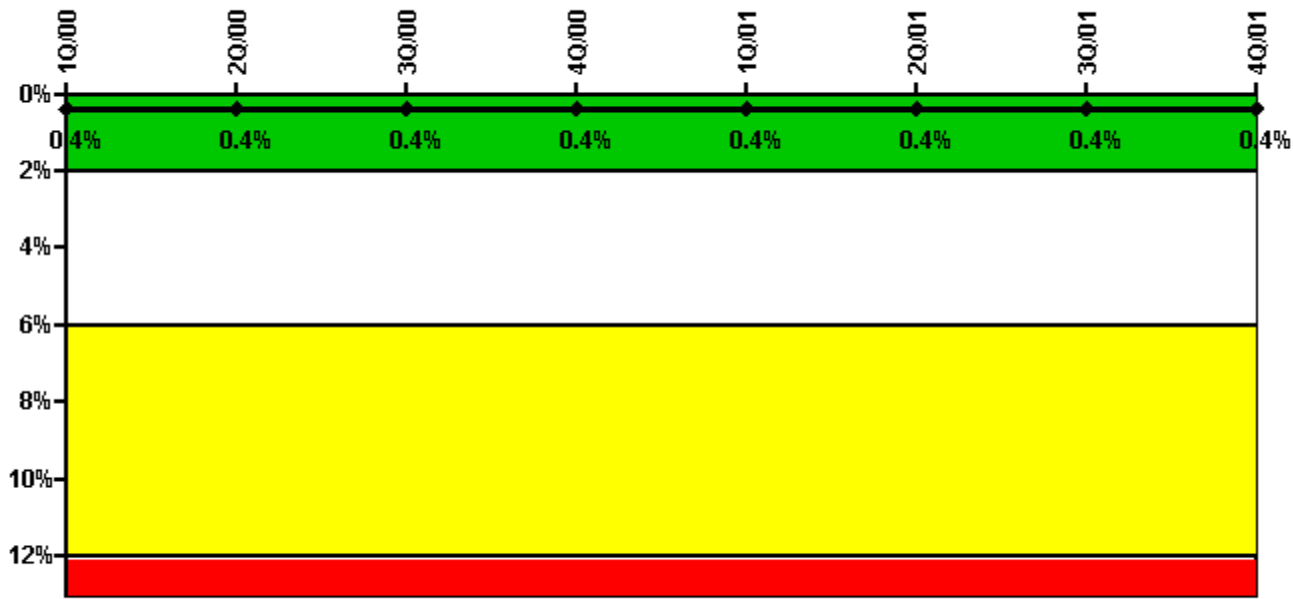
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 7.44 | 11.81 | 2.21 | 6.37 | 13.32 | 9.04 | 0.98 | 2.59 |
| Unplanned unavailable hours | 2.00 | 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 | 1092.20 | 2022.20 | 2174.30 | 2209.00 | 2160.00 | 2001.70 | 1494.77 | 2124.48 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 1.57 | 10.53 | 0.95 | 1.86 | 2.28 | 2.09 | 4.07 | 4.29 |
| Unplanned unavailable hours | 46.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 62.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1092.20 | 2022.20 | 2174.30 | 2209.00 | 2160.00 | 2001.70 | 1494.77 | 2124.48 |
| Indicator value | 1.1% | 1.1% | 1.0% | 0.9% | 0.8% | 0.8% | 0.8% | 0.7% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



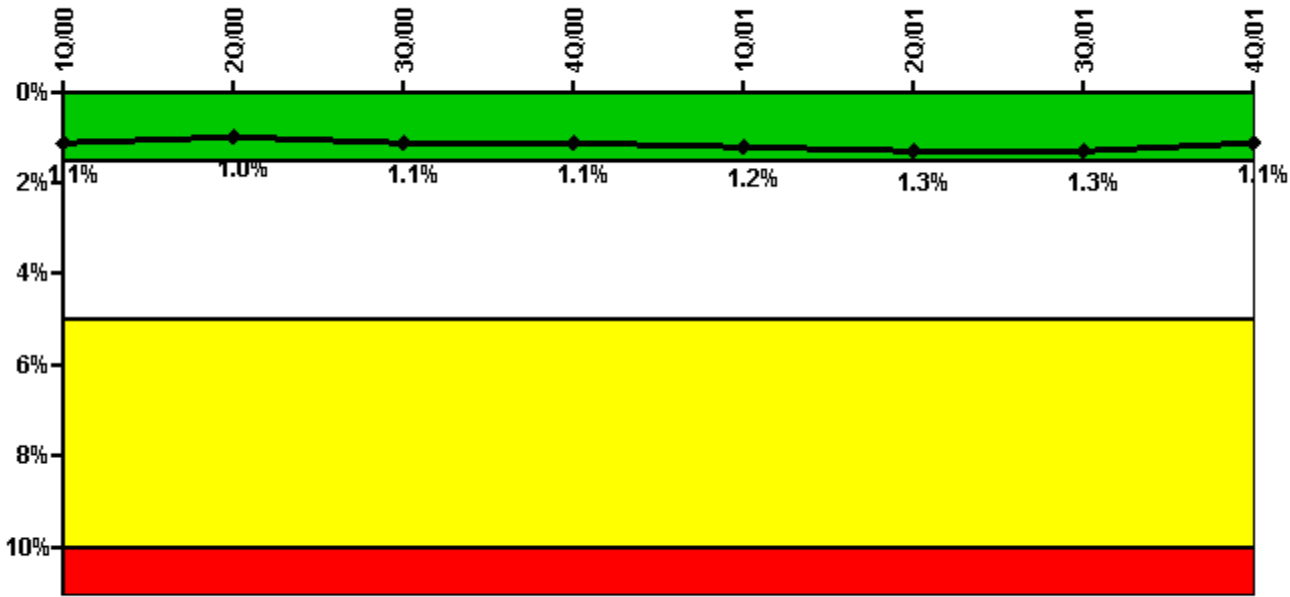
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

| Safety System Unavailability, Heat Removal System (AFW) | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 14.02 | 0 | 1.50 | 0.12 | 1.00 |
| 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 | 1099.48 | 2040.00 | 2174.30 | 2209.00 | 2160.00 | 2001.70 | 1494.77 | 2124.48 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 1.75 | 14.14 | 0 | 17.72 | 0 | 12.87 | 0 | 4.77 |
| 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 | 1099.48 | 2040.00 | 2174.30 | 2209.00 | 2160.00 | 2001.70 | 1494.77 | 2124.48 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 0.67 | 19.59 | 0.10 | 16.90 | 2.28 | 11.80 | 0.55 | 68.30 |
| Unplanned unavailable hours | 0 | 0 | 0 | 33.30 | 10.08 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0.42 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1099.48 | 2040.00 | 2174.30 | 2209.00 | 2160.00 | 2001.70 | 1494.77 | 2107.08 |
| 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



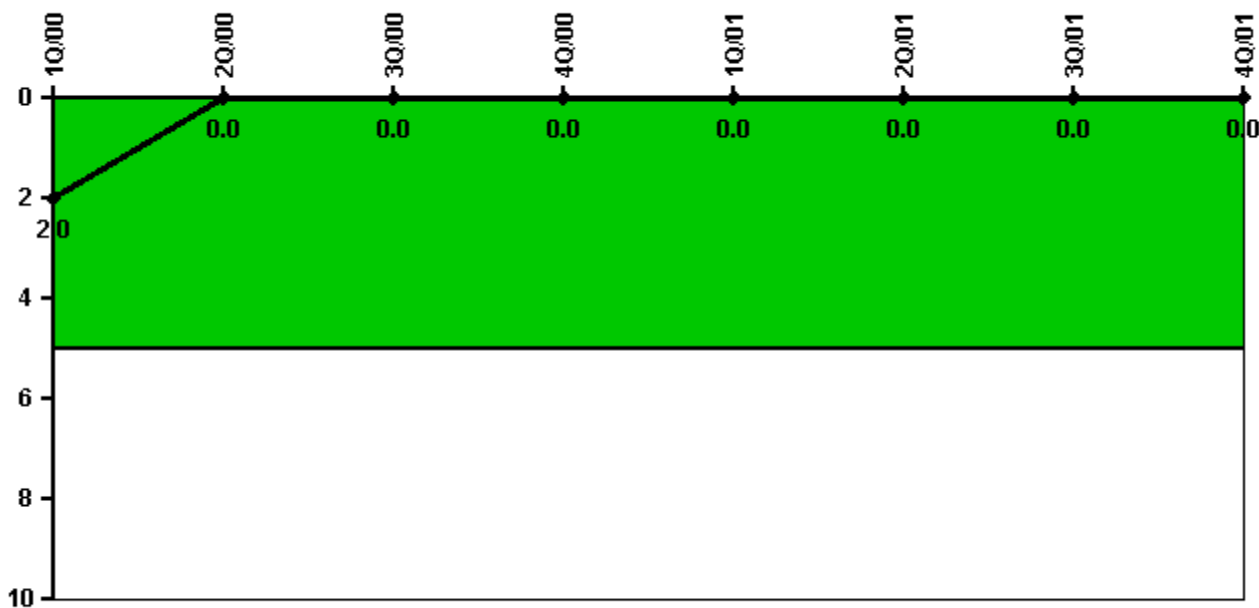
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Residual Heat Removal System | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 53.16 | 10.62 | 31.11 | 18.70 | 1.72 | 10.63 | 0.98 | 1.75 |
| Unplanned unavailable hours | 2.00 | 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 | 1107.10 | 2105.50 | 2174.30 | 2209.00 | 2160.00 | 2001.70 | 1494.77 | 2124.48 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 1.25 | 6.12 | 5.82 | 41.30 | 0.65 | 0.33 | 1.02 | 12.11 |
| Unplanned unavailable hours | 43.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 62.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1107.10 | 2105.50 | 2174.30 | 2209.00 | 2160.00 | 2001.70 | 1494.77 | 2124.48 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.52 |
| Unplanned unavailable hours | 0.40 | 0 | 0 | 0 | 0 | 0.60 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0.80 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 841.24 | 90.10 | 0 | 0 | 0 | 194.12 | 606.32 | 75.11 |
| Train 4 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0.60 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0.80 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 841.24 | 90.10 | 0 | 0 | 0 | 194.12 | 606.32 | 76.56 |
| Indicator value | 1.1% | 1.0% | 1.1% | 1.1% | 1.2% | 1.3% | 1.3% | 1.1% |

Licensee Comments: none

Safety System Functional Failures (PWR)



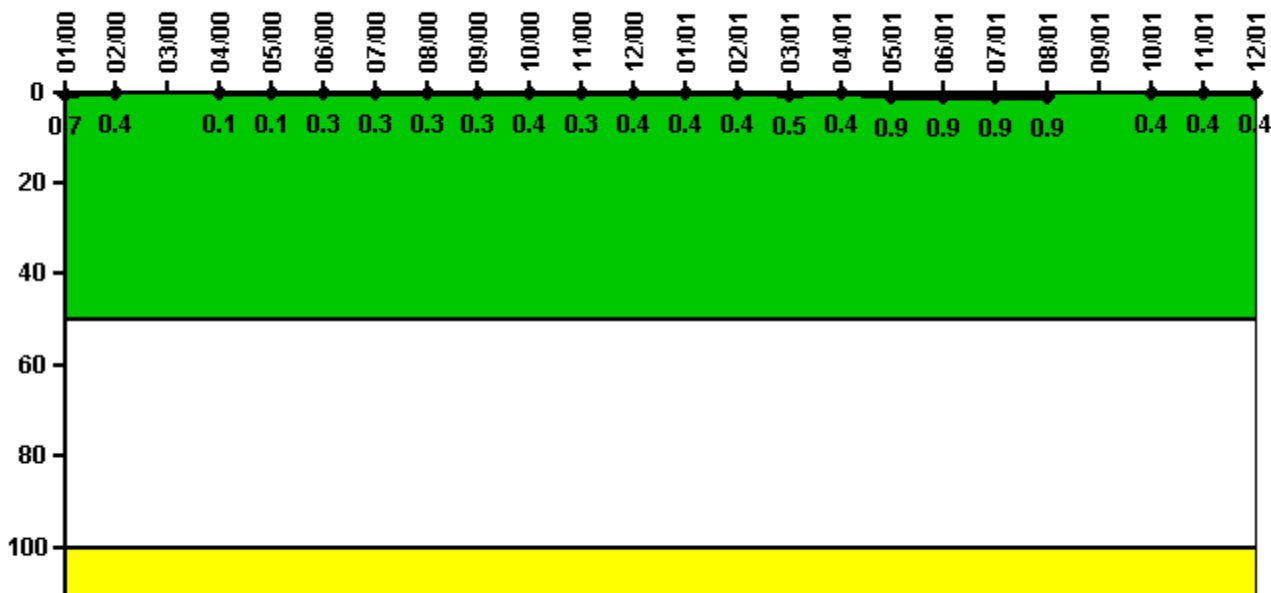
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

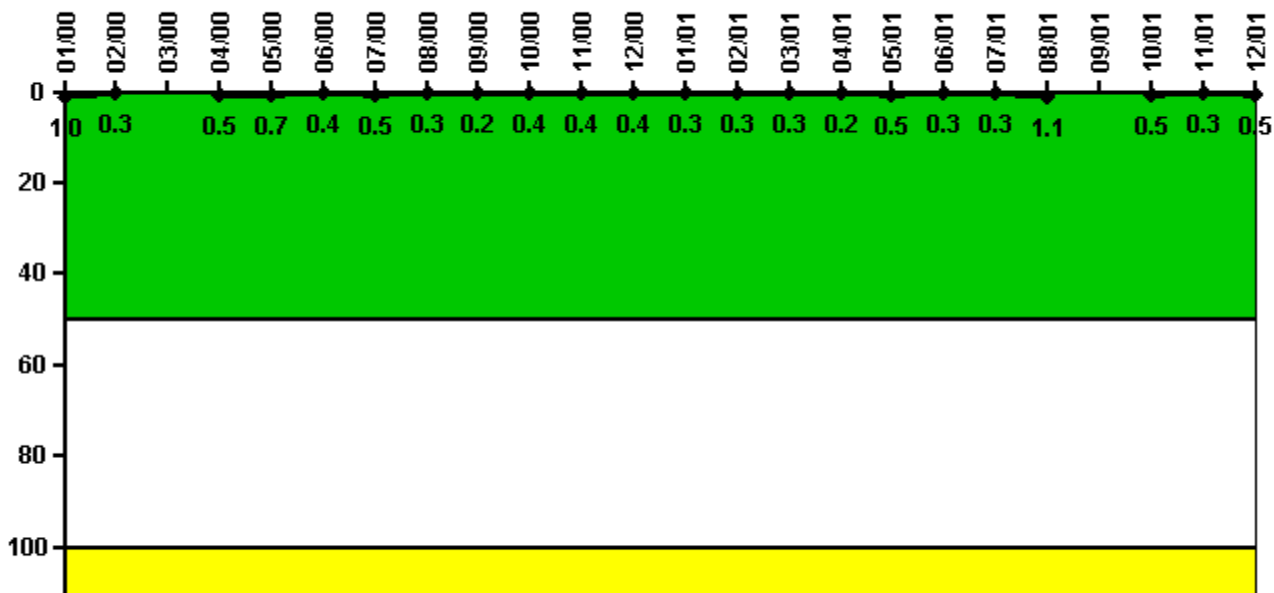
Notes

| Reactor Coolant System Activity | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 | 10/00 | 11/00 | 12/00 |
|---------------------------------|----------|----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.002280 | 0.001496 | N/A | 0.000467 | 0.000512 | 0.000529 | 0.000581 | 0.000609 | 0.000649 | 0.000743 | 0.000654 | 0.000793 |
| Technical specification limit | 0.4 | 0.4 | N/A | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Indicator value | 0.7 | 0.4 | N/A | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.3 | 0.4 |

| Reactor Coolant System Activity | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 | 10/01 | 11/01 | 12/01 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|------|----------|----------|----------|
| Maximum activity | 0.000874 | 0.000739 | 0.000982 | 0.000779 | 0.000917 | 0.000854 | 0.000918 | 0.000914 | N/A | 0.000360 | 0.000389 | 0.000376 |
| Technical specification limit | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Indicator value | 0.4 | 0.4 | 0.5 | 0.4 | 0.9 | 0.9 | 0.9 | 0.9 | N/A | 0.4 | 0.4 | 0.4 |

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

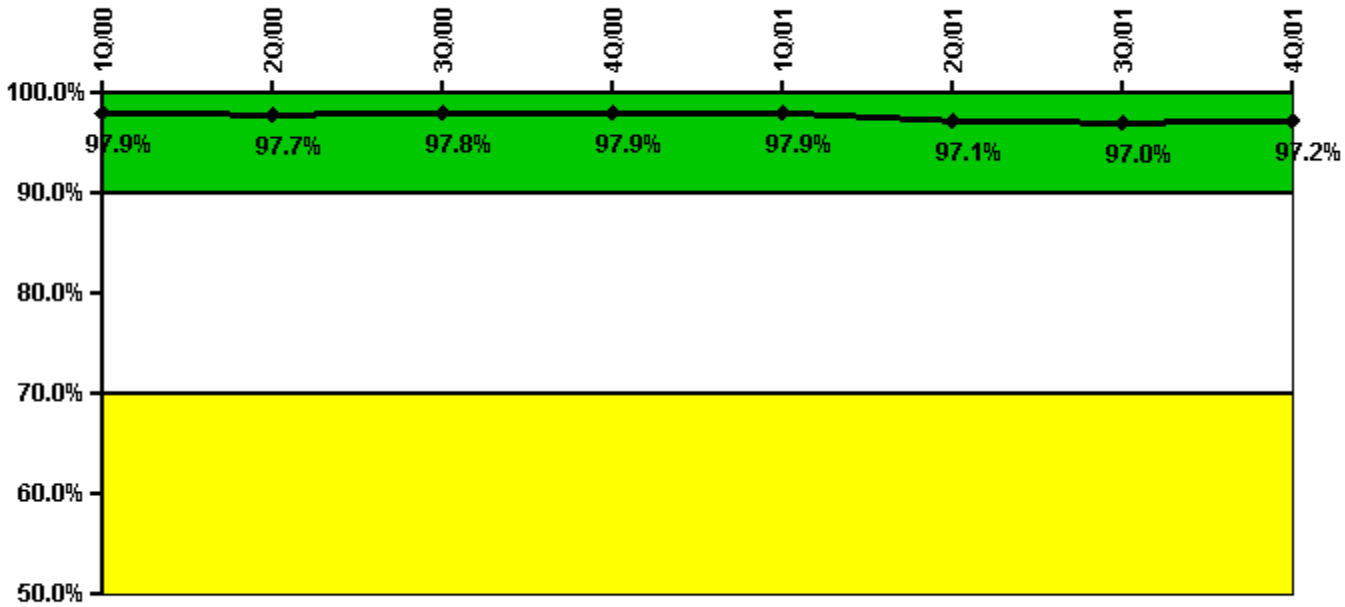
Notes

| Reactor Coolant System Leakage | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 | 10/00 | 11/00 | 12/00 |
|--------------------------------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.100 | 0.030 | N/A | 0.050 | 0.070 | 0.040 | 0.050 | 0.030 | 0.020 | 0.040 | 0.040 | 0.040 |
| Technical specification limit | 10.0 | 10.0 | N/A | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Indicator value | 1.0 | 0.3 | N/A | 0.5 | 0.7 | 0.4 | 0.5 | 0.3 | 0.2 | 0.4 | 0.4 | 0.4 |

| Reactor Coolant System Leakage | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 | 10/01 | 11/01 | 12/01 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| Maximum leakage | 0.030 | 0.030 | 0.030 | 0.020 | 0.050 | 0.030 | 0.030 | 0.110 | N/A | 0.050 | 0.030 | 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 | 0.3 | 0.3 | 0.3 | 0.2 | 0.5 | 0.3 | 0.3 | 1.1 | N/A | 0.5 | 0.3 | 0.5 |

Licensee Comments: none

Drill/Exercise Performance



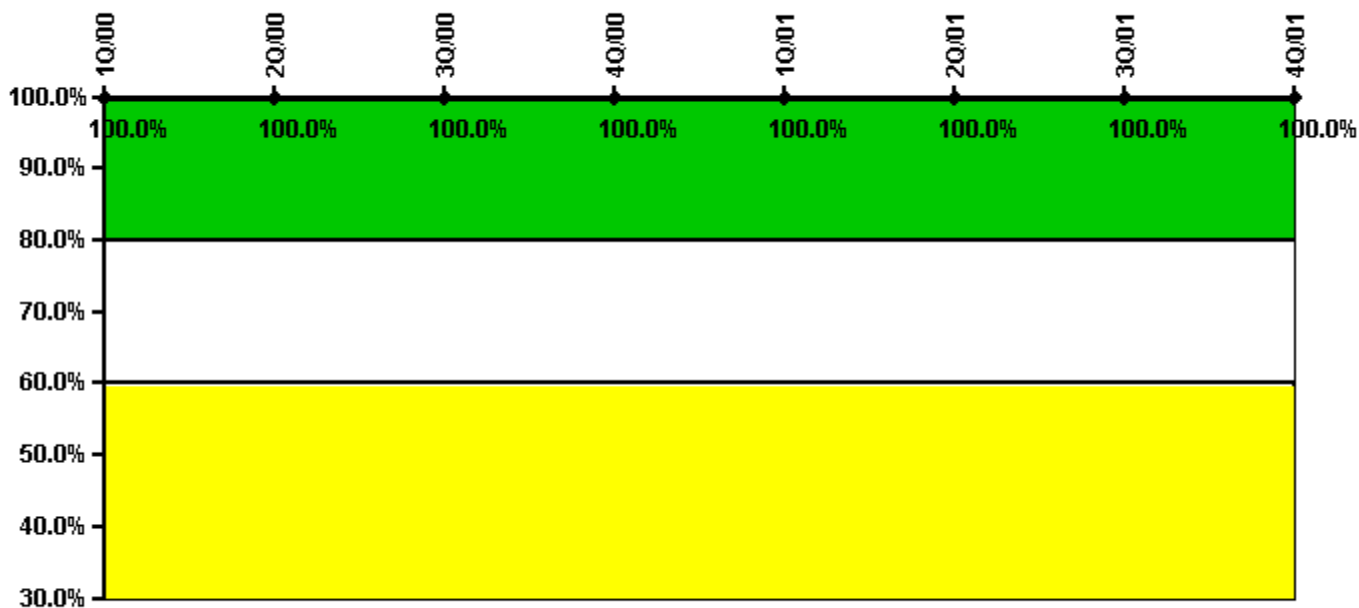
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 16.0 | 76.0 | 50.0 | 46.0 | 8.0 | 71.0 | 38.0 | 39.0 |
| Total opportunities | 16.0 | 78.0 | 52.0 | 47.0 | 8.0 | 75.0 | 39.0 | 39.0 |
| | | | | | | | | |
| Indicator value | 97.9% | 97.7% | 97.8% | 97.9% | 97.9% | 97.1% | 97.0% | 97.2% |

Licensee Comments: none

ERO Drill Participation



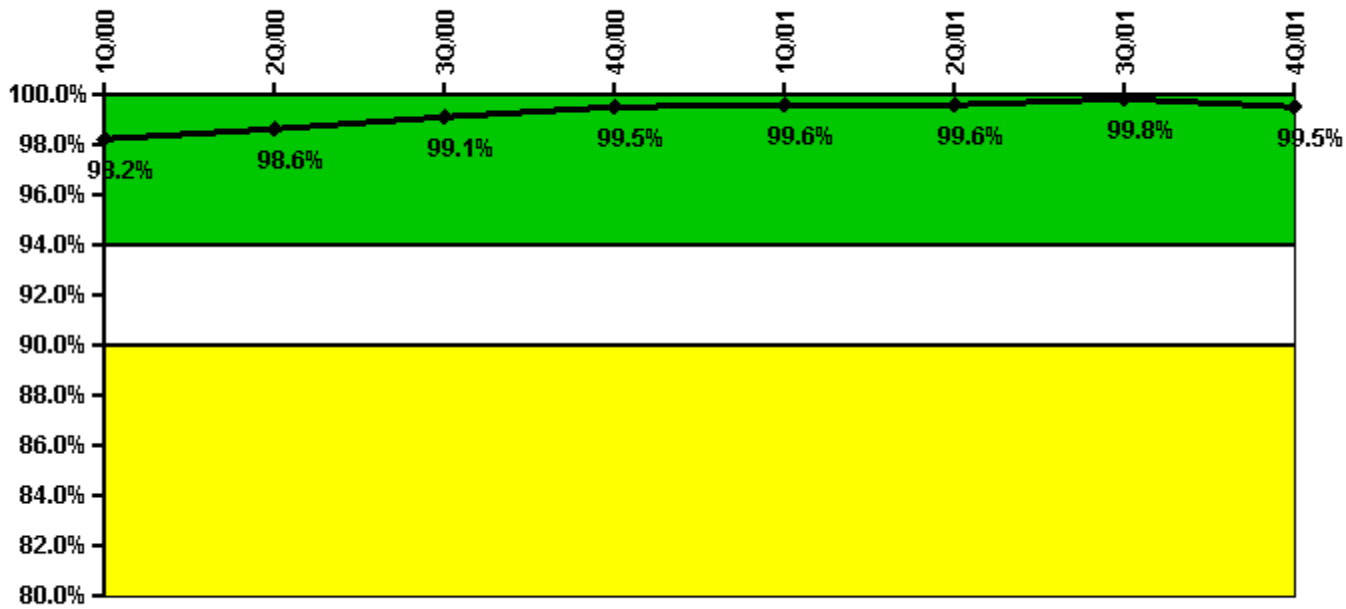
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 86.0 | 84.0 | 83.0 | 85.0 | 85.0 | 91.0 | 102.0 | 104.0 |
| Total Key personnel | 86.0 | 84.0 | 83.0 | 85.0 | 85.0 | 91.0 | 102.0 | 104.0 |
| | | | | | | | | |
| Indicator value | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

Alert & Notification System



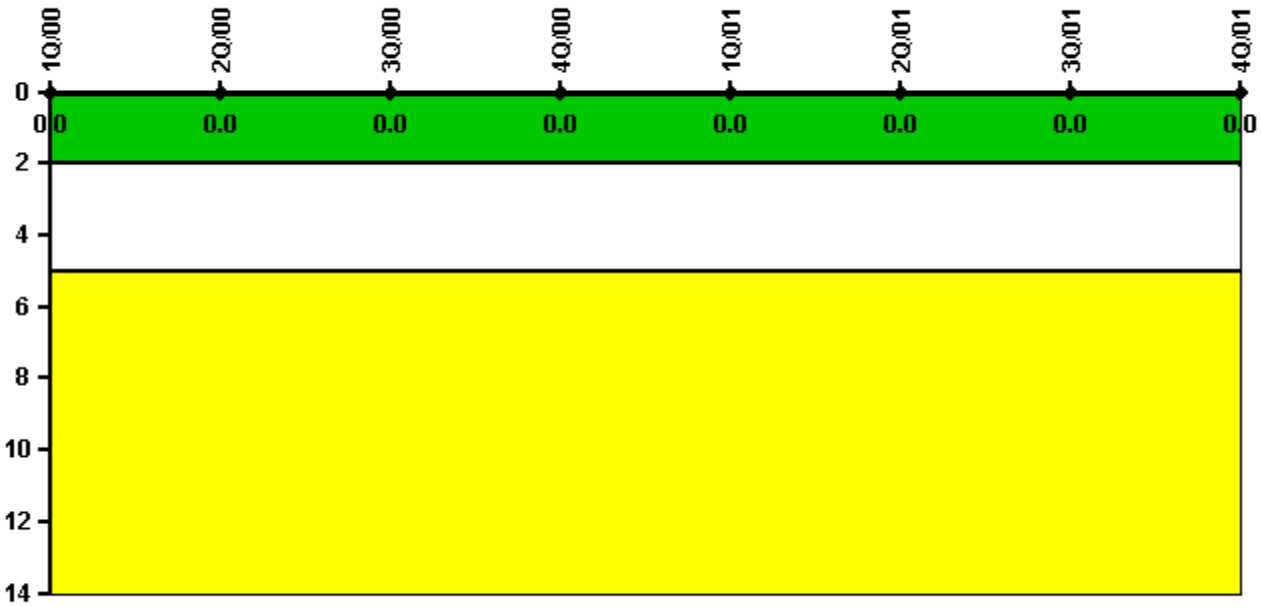
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 109 | 110 | 218 | 110 | 110 | 110 | 109 | 218 |
| Total sirens-tests | 110 | 110 | 220 | 110 | 110 | 110 | 110 | 220 |
| Indicator value | 98.2% | 98.6% | 99.1% | 99.5% | 99.6% | 99.6% | 99.8% | 99.5% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



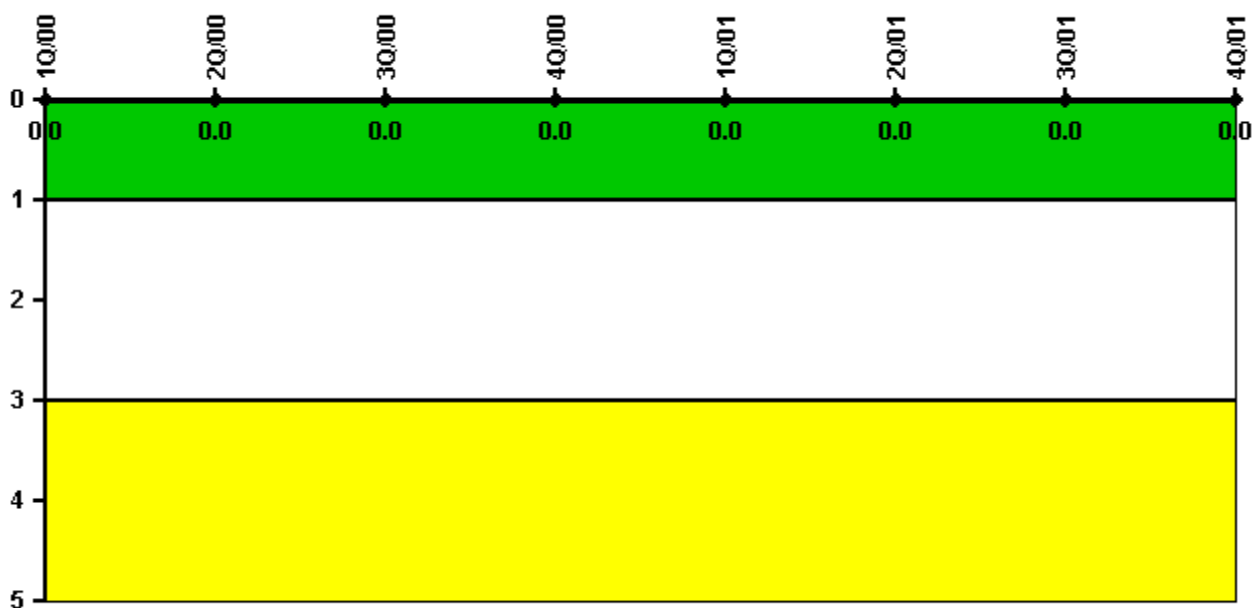
Thresholds: White > 2.0 Yellow > 5.0

Notes

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



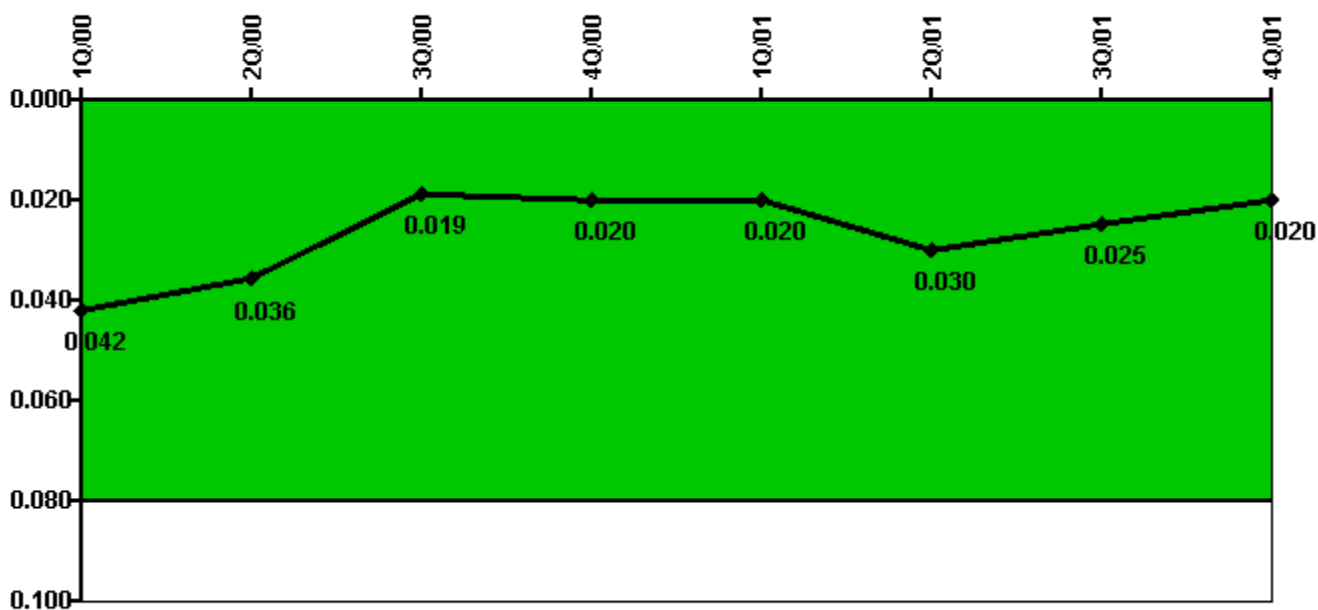
Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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



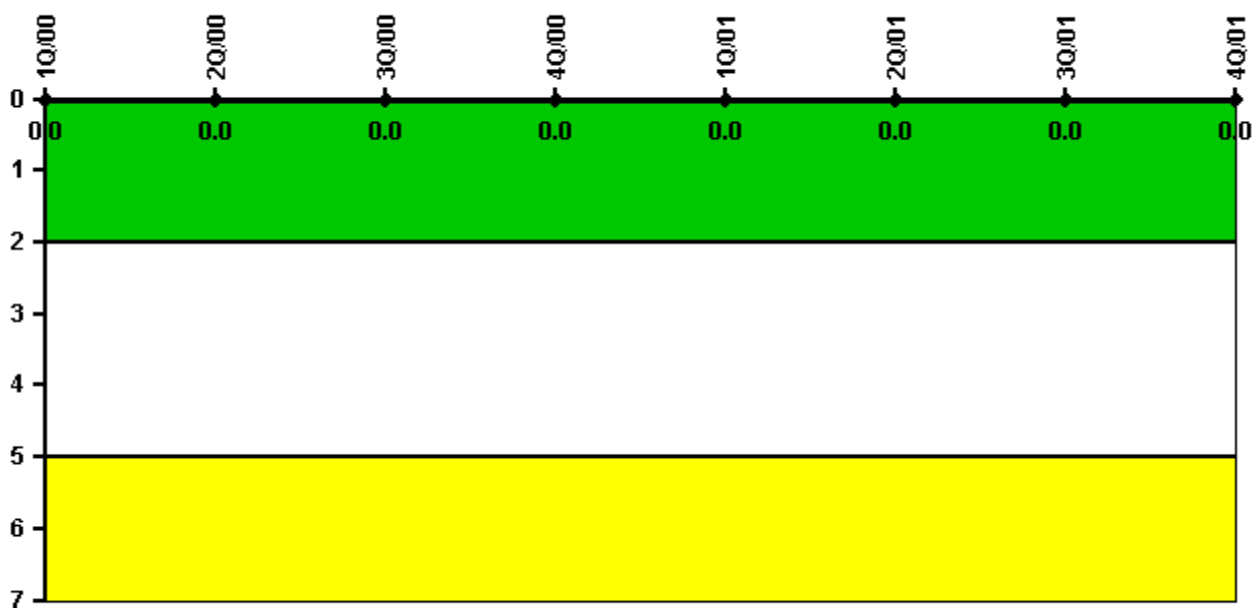
Thresholds: White > 0.080

Notes

| Protected Area Security Performance Index | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| IDS compensatory hours | 147.23 | 110.02 | 364.68 | 373.33 | 155.00 | 584.02 | 108.39 | 119.85 |
| CCTV compensatory hours | 0 | 0 | 0 | 0 | 1.6 | 0 | 0 | 7.1 |
| IDS normalization factor | 2.85 | 2.85 | 2.85 | 2.85 | 2.85 | 2.82 | 2.75 | 2.75 |
| CCTV normalization factor | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | | | | | | | |
| Index Value | 0.042 | 0.036 | 0.019 | 0.020 | 0.020 | 0.030 | 0.025 | 0.020 |

Licensee Comments: none

Personnel Screening Program



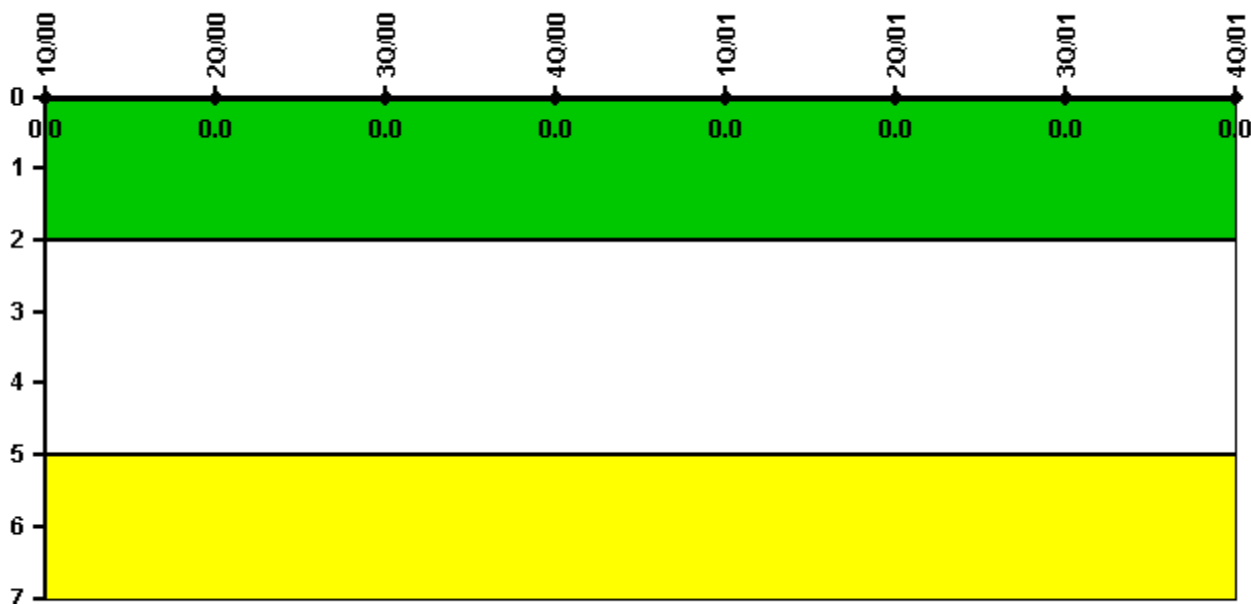
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Personnel Screening Program | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 15, 2002