

Salem 1

4Q/2000 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



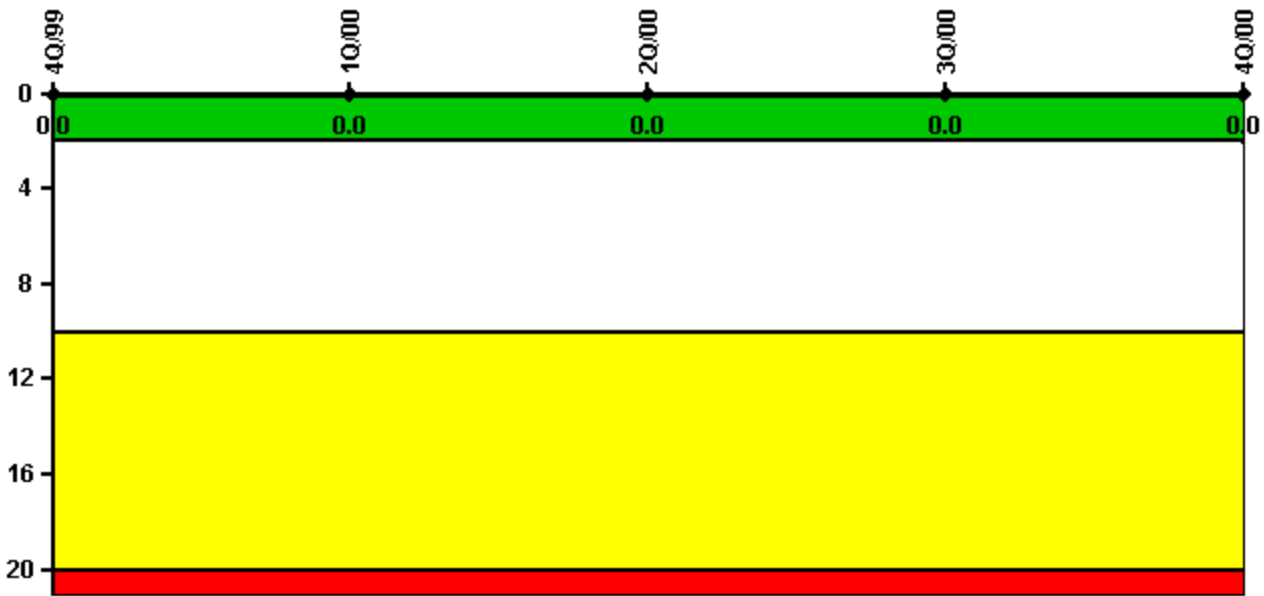
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|--|------------|------------|------------|------------|------------|
| Unplanned scrams | 0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Critical hours | 1625.0 | 2014.0 | 2103.6 | 2172.0 | 2174.0 |
| | | | | | |
| Indicator value | 1.8 | 1.8 | 1.8 | 2.7 | 3.3 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



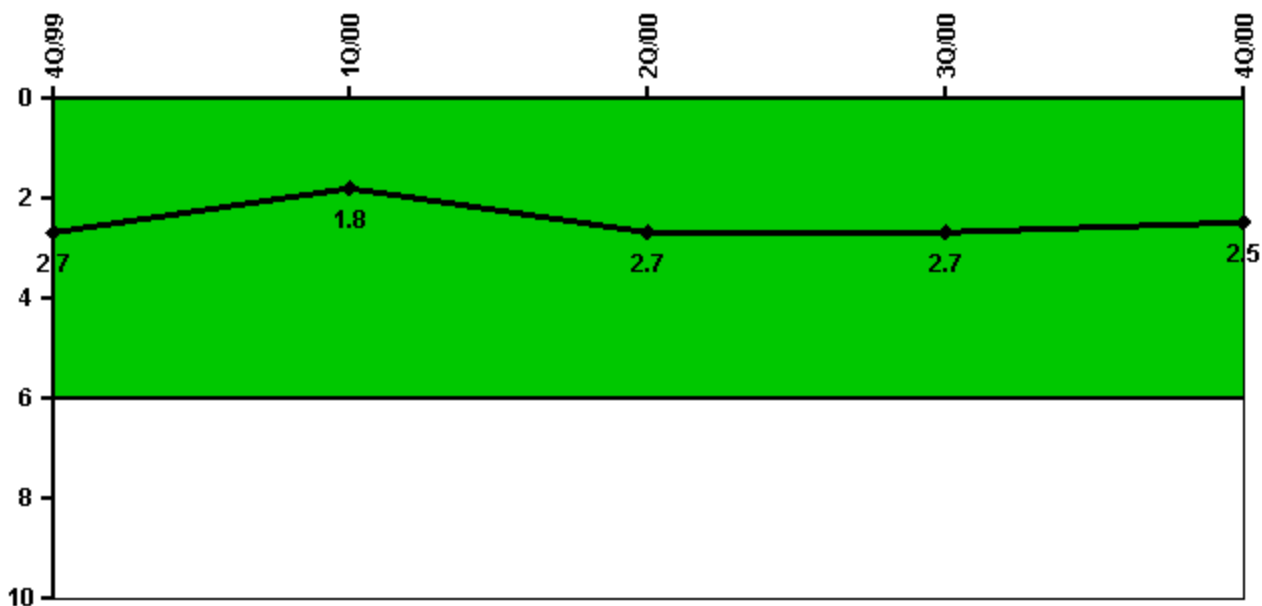
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



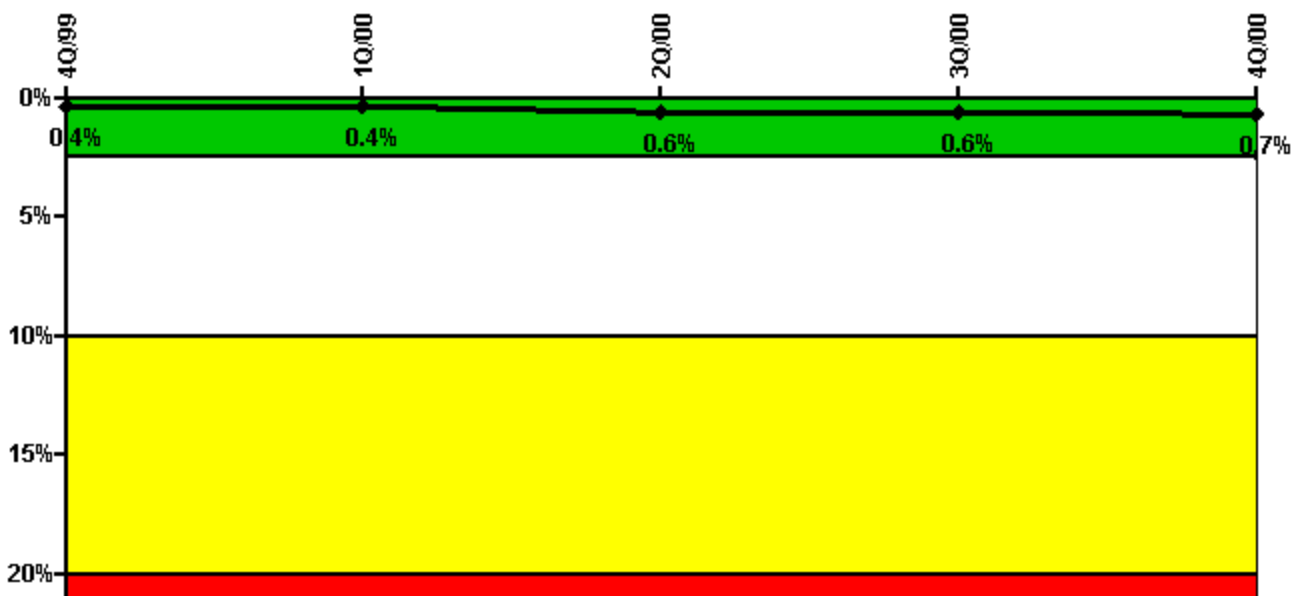
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|------------|------------|------------|------------|------------|
| Unplanned power changes | 0 | 0 | 2.0 | 1.0 | 0 |
| Critical hours | 1625.0 | 2014.0 | 2103.6 | 2172.0 | 2174.0 |
| | | | | | |
| Indicator value | 2.7 | 1.8 | 2.7 | 2.7 | 2.5 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



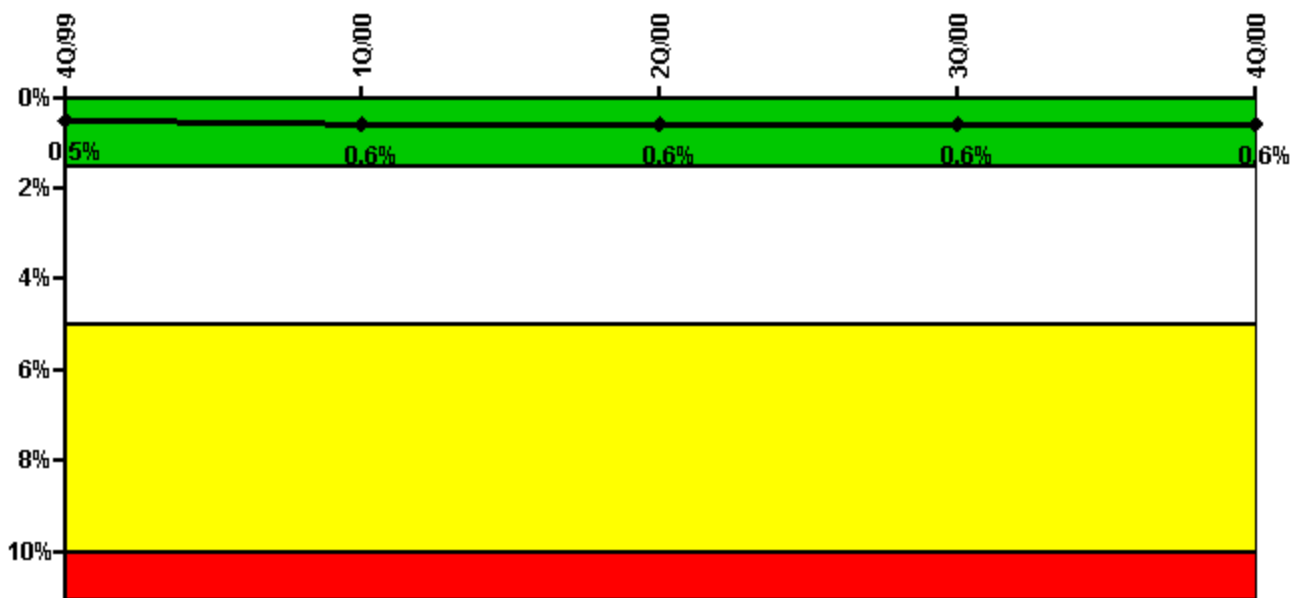
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | |
| Planned unavailable hours | 5.94 | 6.00 | 52.80 | 4.80 | 7.00 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| Train 2 | | | | | |
| Planned unavailable hours | 9.25 | 6.50 | 40.20 | 19.90 | 54.80 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| Train 3 | | | | | |
| Planned unavailable hours | 20.23 | 17.10 | 45.20 | 5.90 | 7.00 |
| Unplanned unavailable hours | 3.88 | 0.50 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| Indicator value | 0.4% | 0.4% | 0.6% | 0.6% | 0.7% |

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



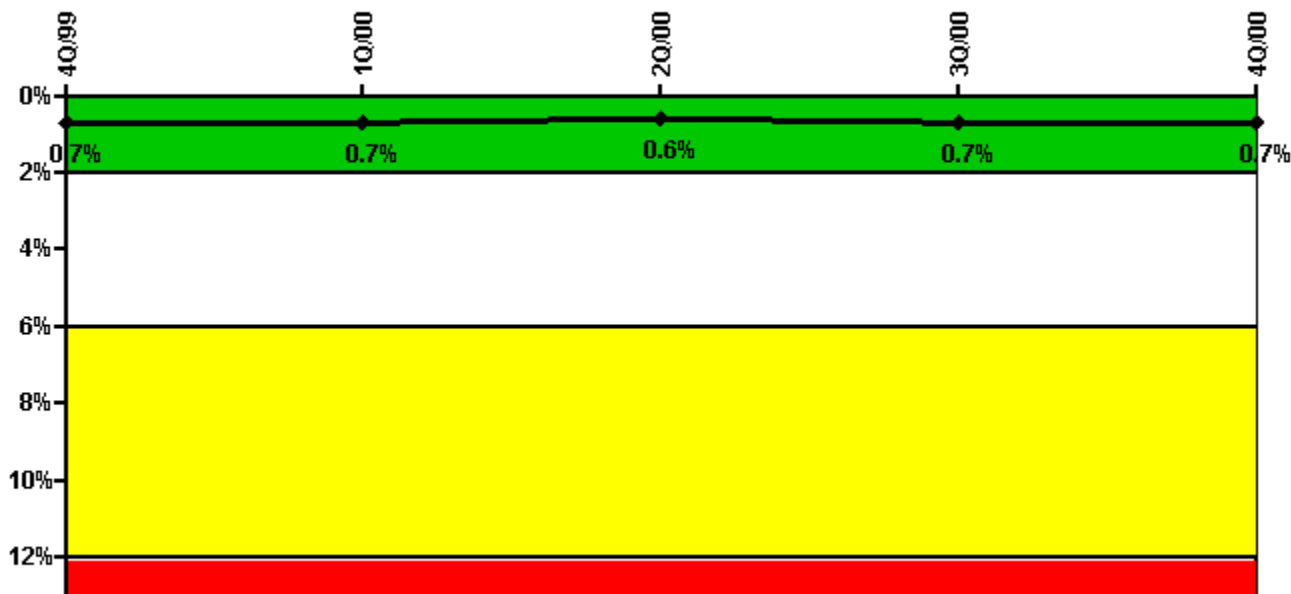
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | |
| Planned unavailable hours | 0 | 48.20 | 38.40 | 5.20 | 33.30 |
| Unplanned unavailable hours | 0 | 41.10 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1735.37 | 2032.68 | 2103.60 | 2208.00 | 2209.00 |
| Train 2 | | | | | |
| Planned unavailable hours | 13.60 | 14.70 | 5.20 | 24.90 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 19.90 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1735.37 | 2032.68 | 2103.60 | 2208.00 | 2209.00 |
| Train 3 | | | | | |
| Planned unavailable hours | 0 | 0 | 6.30 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1735.37 | 2032.68 | 2103.60 | 2208.00 | 2209.00 |
| Train 4 | | | | | |
| Planned unavailable hours | 0 | 12.70 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 3.30 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1735.37 | 2032.68 | 2103.60 | 2208.00 | 2209.00 |
| | | | | | |
| Indicator value | 0.5% | 0.6% | 0.6% | 0.6% | 0.6% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



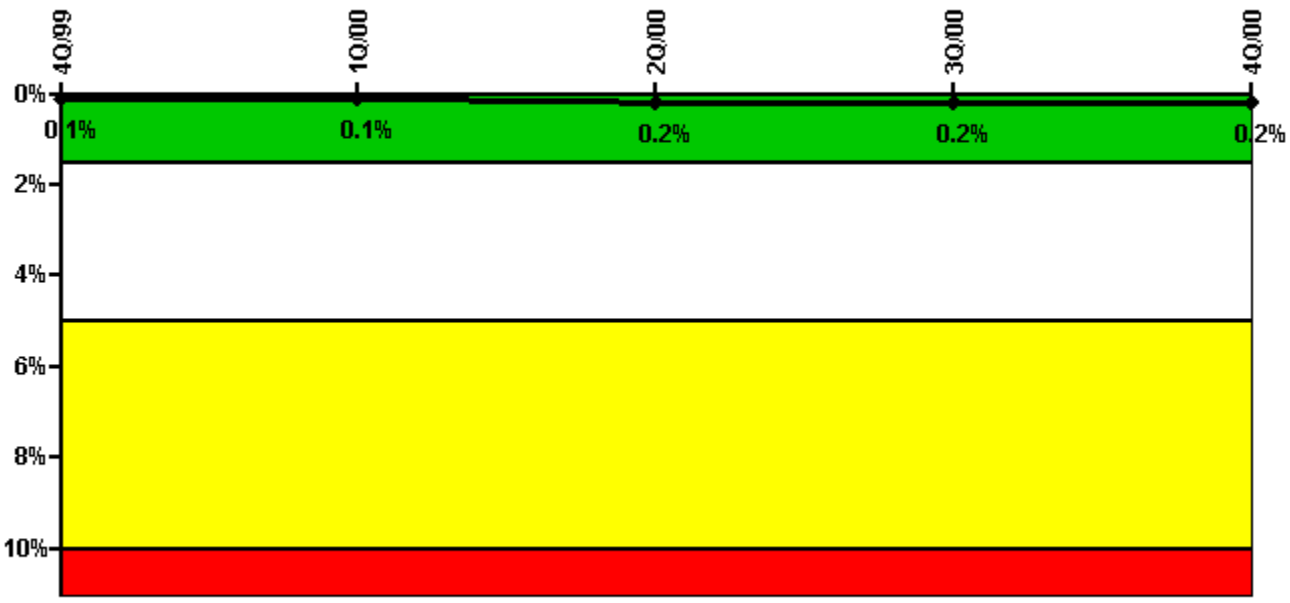
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

| Safety System Unavailability, Heat Removal System (AFW) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | |
| Planned unavailable hours | 1.61 | 2.80 | 3.80 | 20.20 | 36.93 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1735.37 | 2032.68 | 2103.60 | 2208.00 | 2209.00 |
| Train 2 | | | | | |
| Planned unavailable hours | 32.72 | 3.00 | 15.80 | 32.00 | 2.00 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0.90 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1735.37 | 2032.68 | 2103.60 | 2208.00 | 2209.00 |
| Train 3 | | | | | |
| Planned unavailable hours | 2.06 | 24.90 | 1.70 | 2.00 | 9.00 |
| Unplanned unavailable hours | 0 | 2.60 | 1.10 | 0.70 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1735.37 | 2032.68 | 2103.60 | 2208.00 | 2209.00 |
| | | | | | |
| Indicator value | 0.7% | 0.7% | 0.6% | 0.7% | 0.7% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



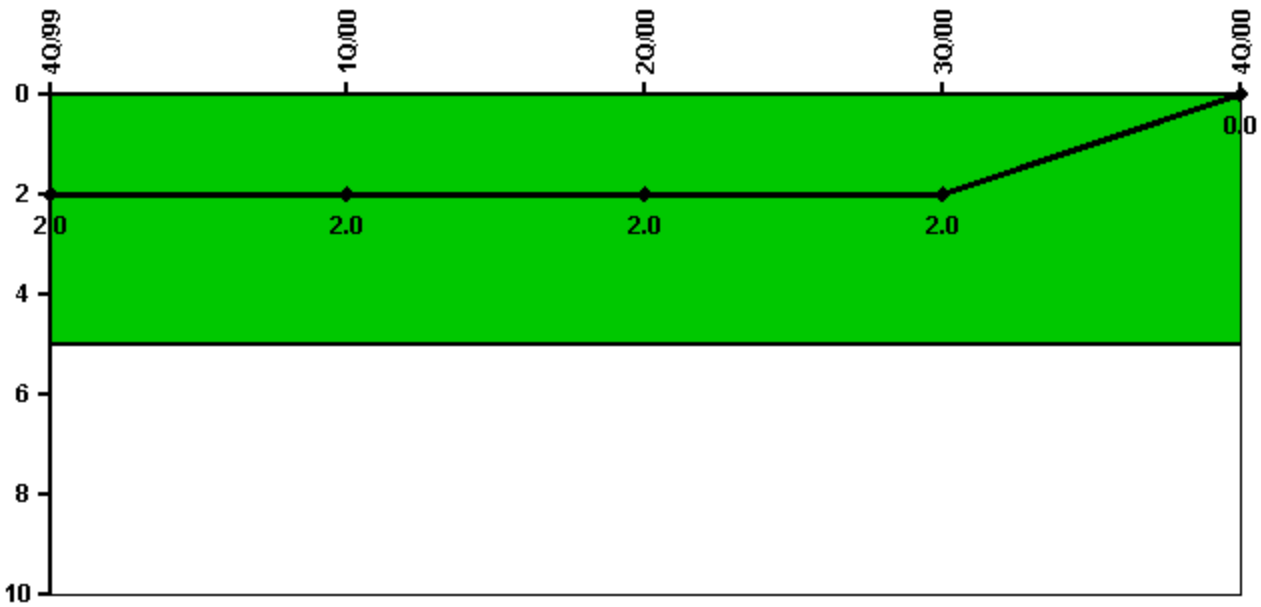
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|--|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | |
| Planned unavailable hours | 0 | 0 | 25.80 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| Train 2 | | | | | |
| Planned unavailable hours | 0 | 0 | 19.60 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | |
| Indicator value | 0.1% | 0.1% | 0.2% | 0.2% | 0.2% |

Licensee Comments: none

Safety System Functional Failures (PWR)



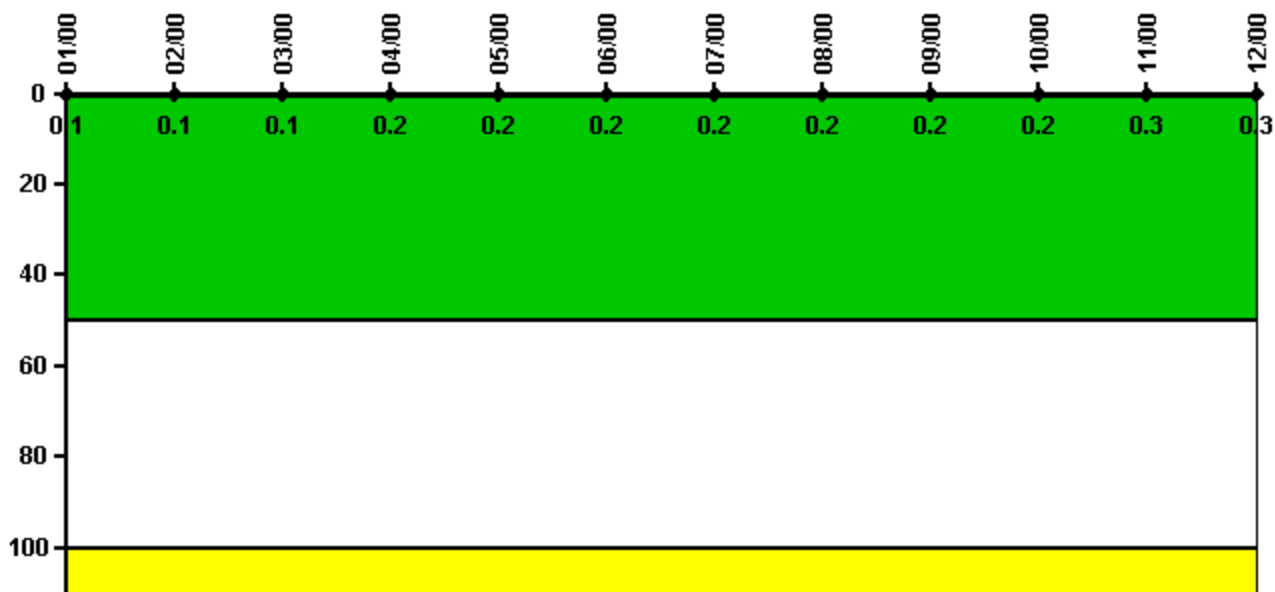
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



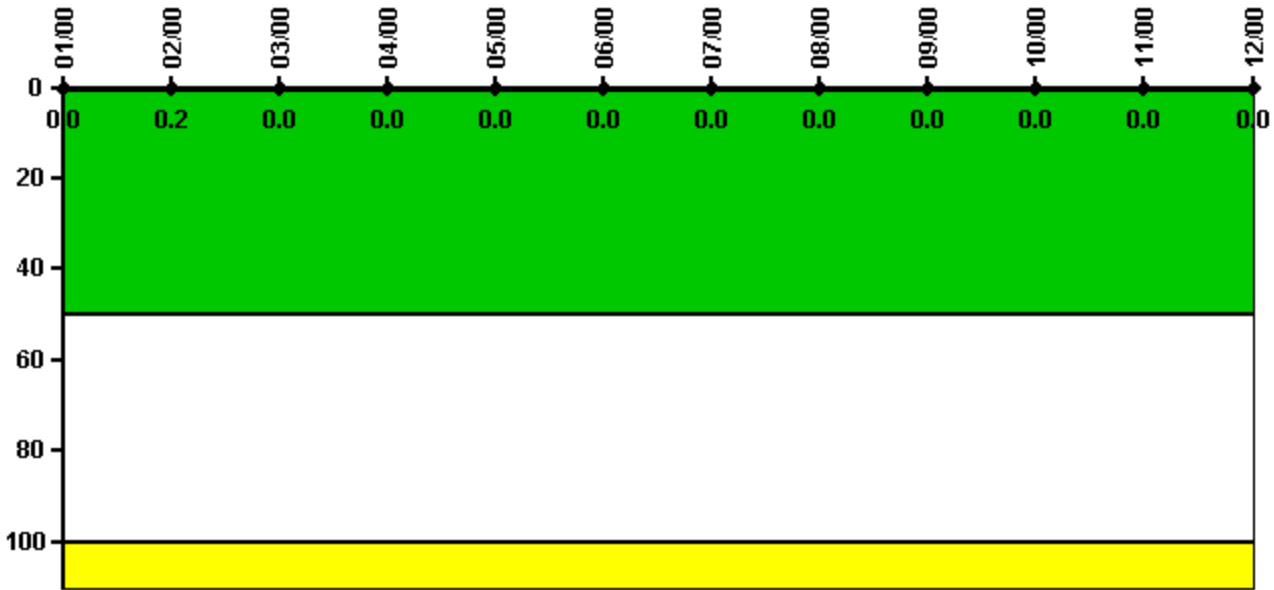
Thresholds: White > 50.0 Yellow > 100.0

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 | 0.001380 | 0.001250 | 0.001360 | 0.001690 | 0.001680 | 0.001740 | 0.002160 | 0.002030 | 0.002080 | 0.002460 | 0.002650 | 0.003180 |
| 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 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |

Licensee Comments: none

Reactor Coolant System Leakage



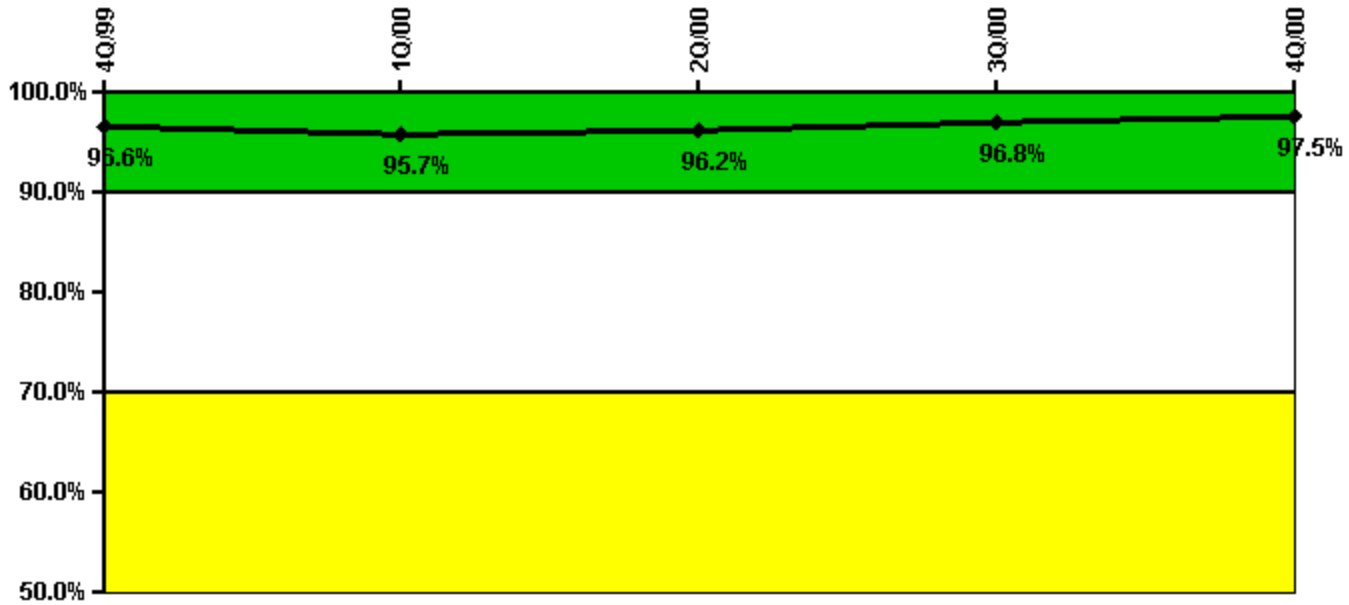
Thresholds: White > 50.0 Yellow > 100.0

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 | 0.016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Drill/Exercise Performance



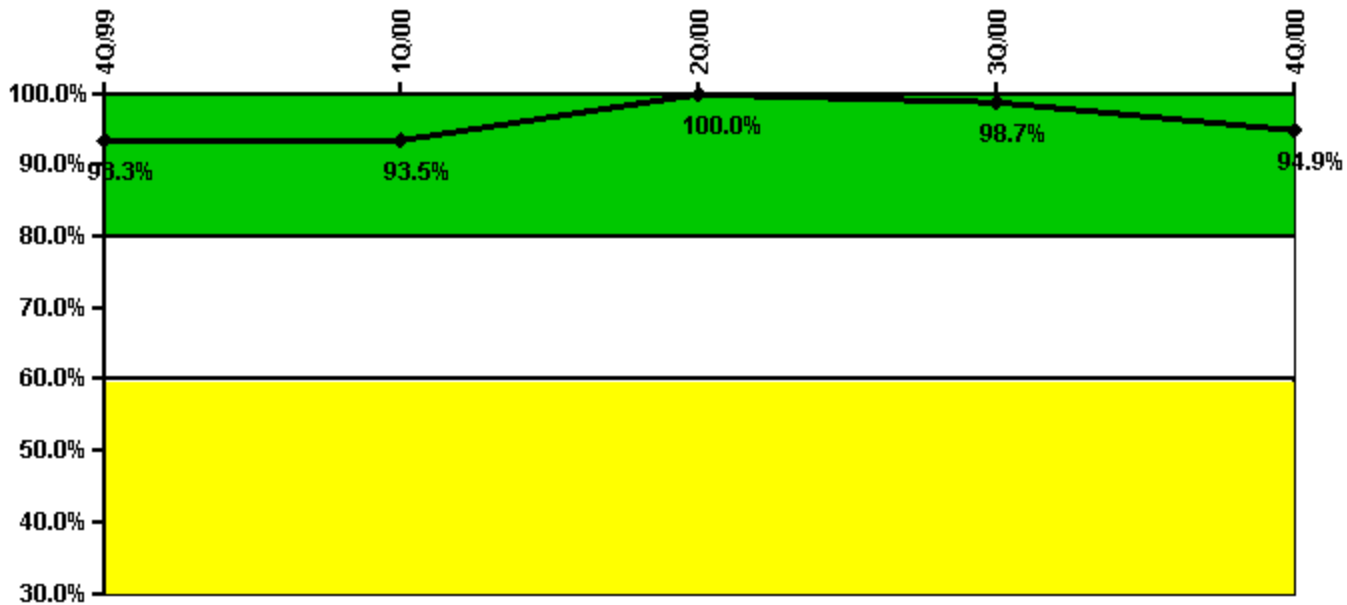
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|----------------------------|--------------|--------------|--------------|--------------|--------------|
| Successful opportunities | 94.0 | 37.0 | 32.0 | 50.0 | 74.0 |
| Total opportunities | 97.0 | 39.0 | 32.0 | 50.0 | 75.0 |
| | | | | | |
| Indicator value | 96.6% | 95.7% | 96.2% | 96.8% | 97.5% |

Licensee Comments: none

ERO Drill Participation



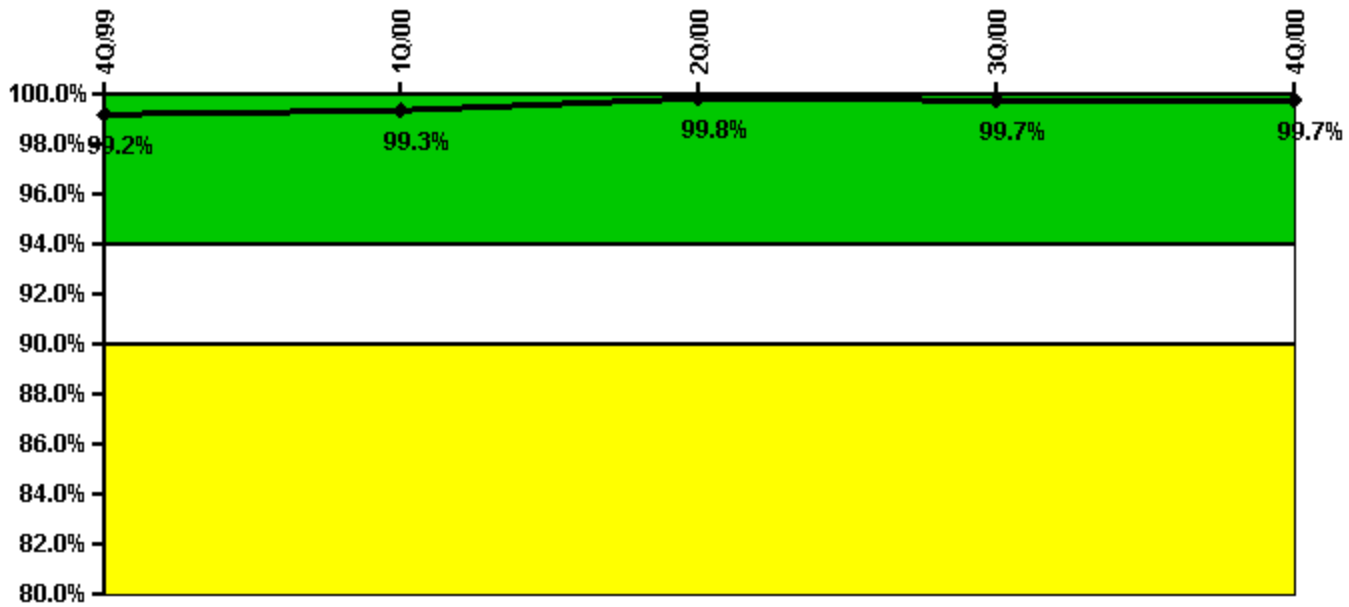
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|-----------------------------|--------------|--------------|---------------|--------------|--------------|
| Participating Key personnel | 70.0 | 72.0 | 75.0 | 75.0 | 74.0 |
| Total Key personnel | 75.0 | 77.0 | 75.0 | 76.0 | 78.0 |
| | | | | | |
| Indicator value | 93.3% | 93.5% | 100.0% | 98.7% | 94.9% |

Licensee Comments: none

Alert & Notification System



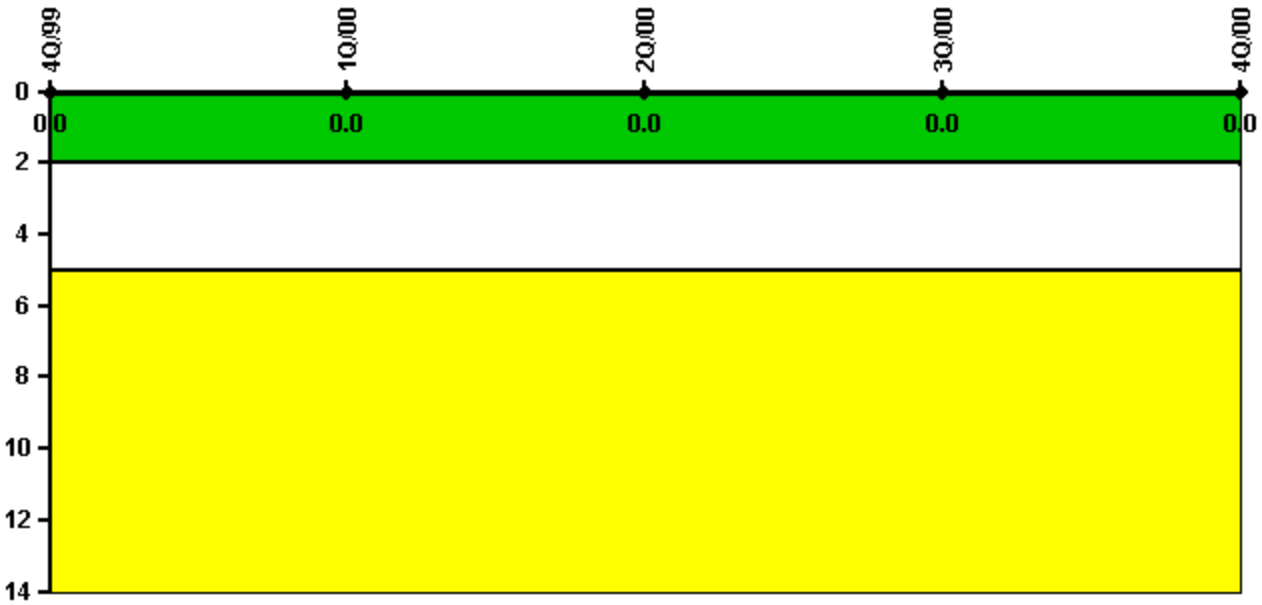
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|-----------------------------|-------|-------|-------|-------|-------|
| Successful siren-tests | 496 | 497 | 495 | 495 | 496 |
| Total sirens-tests | 497 | 497 | 497 | 497 | 497 |
| | | | | | |
| Indicator value | 99.2% | 99.3% | 99.8% | 99.7% | 99.7% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



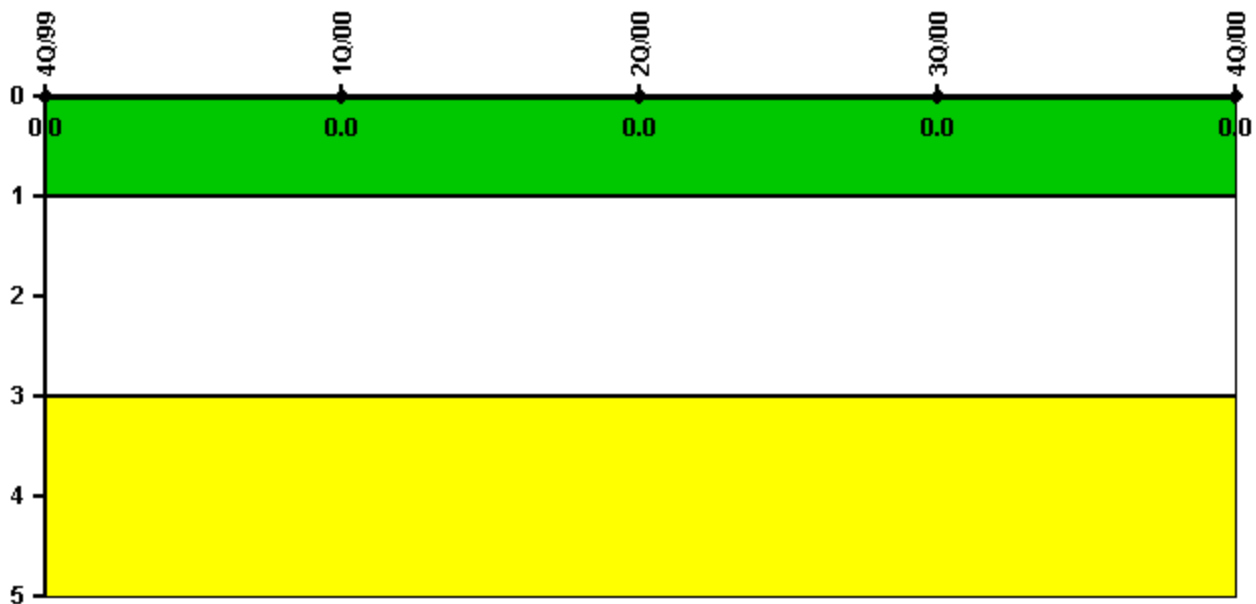
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



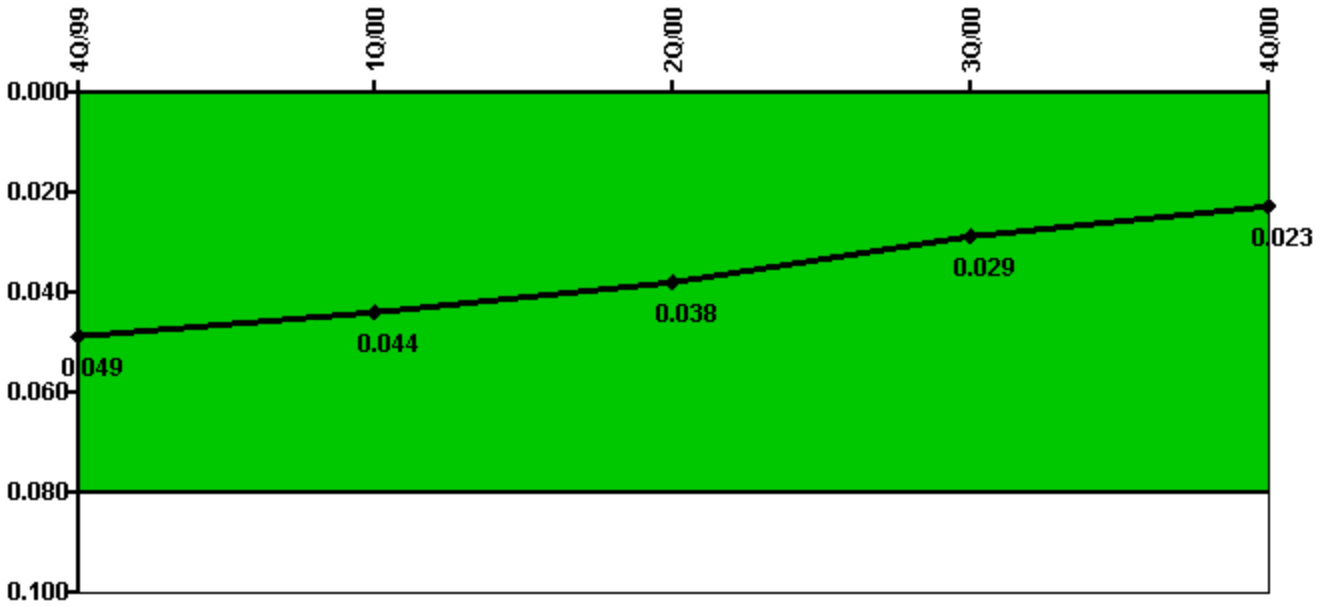
Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---------------------------------|-------|-------|-------|-------|-------|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| Indicator value | 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 |
|---|--------------|--------------|--------------|--------------|--------------|
| IDS compensatory hours | 686.40 | 439.80 | 683.90 | 142.40 | 279.40 |
| CCTV compensatory hours | 0 | 0 | 0 | 0 | 0 |
| IDS normalization factor | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 |
| CCTV normalization factor | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| | | | | | |
| Index Value | 0.049 | 0.044 | 0.038 | 0.029 | 0.023 |

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 |
|-----------------------------|-------|-------|-------|-------|-------|
| Program failures | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| Indicator value | 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 |
|---------------------------|-------|-------|-------|-------|-------|
| Program Failures | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| Indicator value | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

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

Last Modified: March 28, 2002