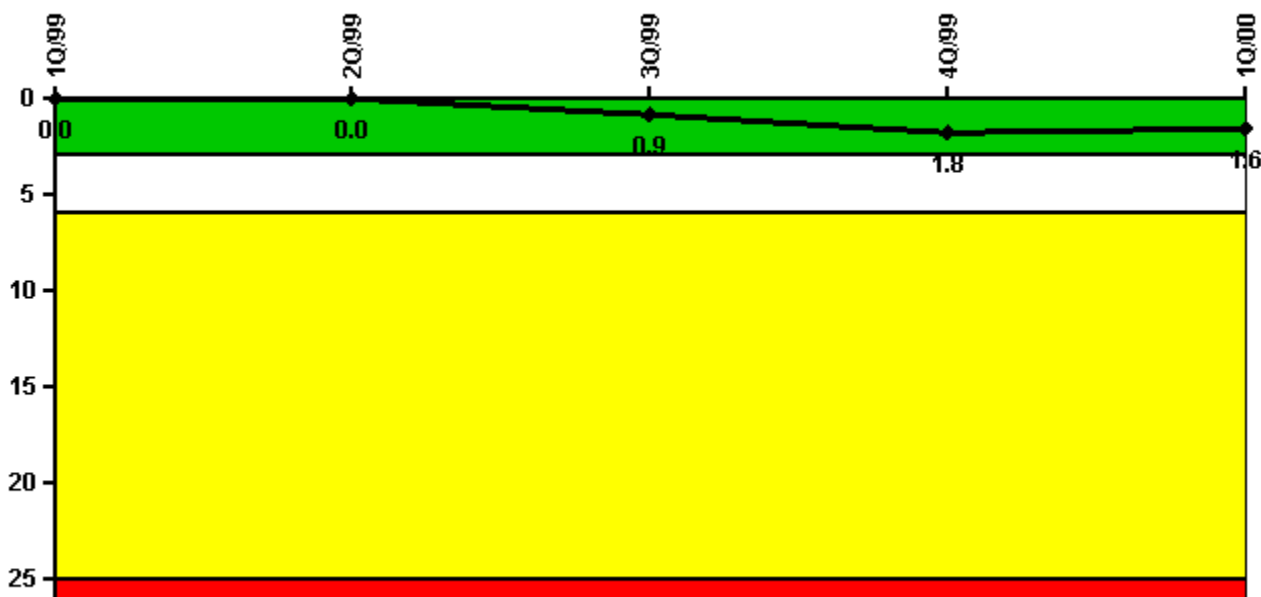


Diablo Canyon 1

1Q/2000 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



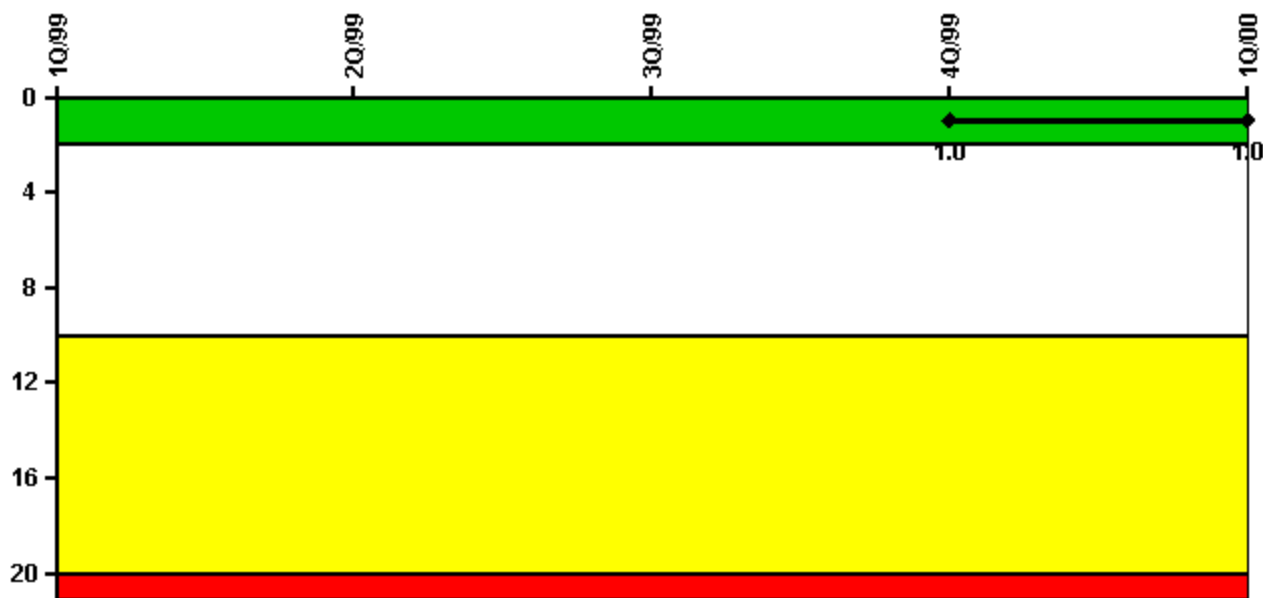
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|--|----------|----------|------------|------------|------------|
| Unplanned scrams | 0 | 0 | 1.0 | 1.0 | 0 |
| Critical hours | 1346.0 | 2183.0 | 2168.0 | 2140.8 | 2184.0 |
| | | | | | |
| Indicator value | 0 | 0 | 0.9 | 1.8 | 1.6 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



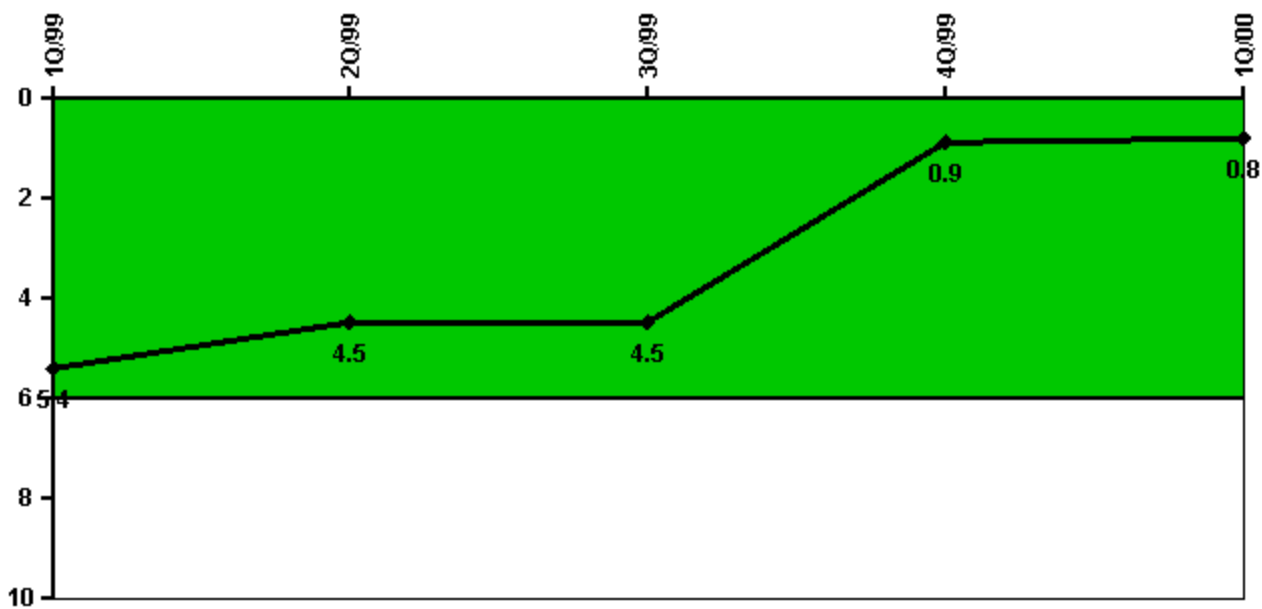
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



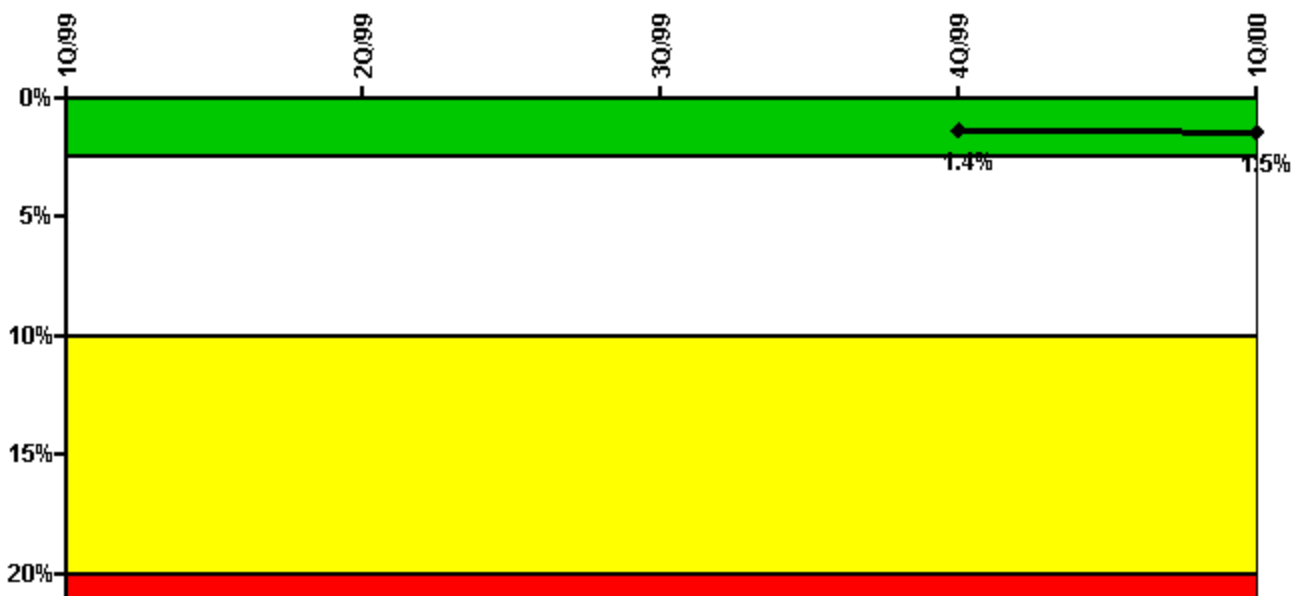
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|------------|------------|------------|------------|------------|
| Unplanned power changes | 0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 1346.0 | 2183.0 | 2168.0 | 2140.8 | 2184.0 |
| | | | | | |
| Indicator value | 5.4 | 4.5 | 4.5 | 0.9 | 0.8 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



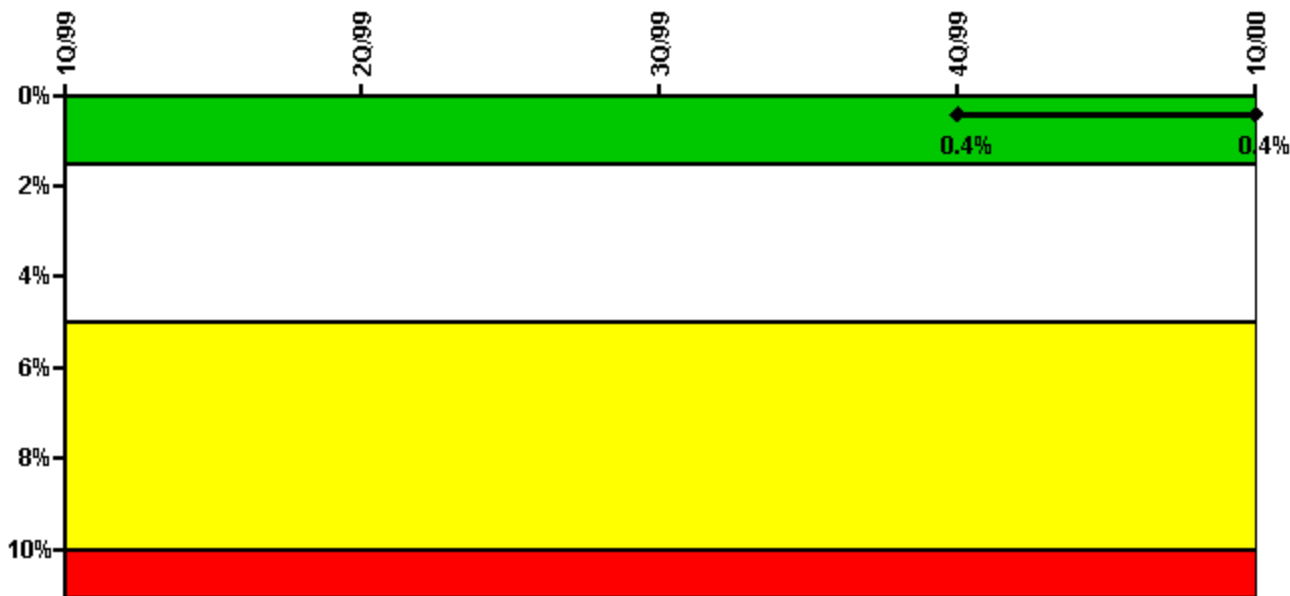
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---------|---------|---------|-------------|-------------|
| Train 1 | | | | | |
| Planned unavailable hours | 35.80 | 10.30 | 57.90 | 1.40 | 0.17 |
| Unplanned unavailable hours | 5.00 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| Train 2 | | | | | |
| Planned unavailable hours | 3.30 | 64.70 | 0.70 | 0 | 1.18 |
| Unplanned unavailable hours | 0.50 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| Train 3 | | | | | |
| Planned unavailable hours | 8.20 | 25.60 | 0.47 | 1.60 | 0.10 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 20.50 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| | | | | | |
| Indicator value | | | | 1.4% | 1.5% |

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/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---------|---------|---------|-------------|-------------|
| Train 1 | | | | | |
| Planned unavailable hours | 0 | 0 | 23.02 | 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 | 1346.00 | 2183.00 | 2168.00 | 2140.80 | 2184.00 |
| Train 2 | | | | | |
| Planned unavailable hours | 0 | 52.70 | 0 | 5.00 | 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 | 1346.00 | 2183.00 | 2168.00 | 2140.80 | 2184.00 |
| Train 3 | | | | | |
| Planned unavailable hours | 0.30 | 32.90 | 0.25 | 0.40 | 18.92 |
| 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 | 1346.00 | 2183.00 | 2168.00 | 2140.80 | 2184.00 |
| Train 4 | | | | | |
| Planned unavailable hours | 0.40 | 11.80 | 11.58 | 0.10 | 1.03 |
| 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 | 1346.00 | 2183.00 | 2168.00 | 2140.80 | 2184.00 |
| | | | | | |
| Indicator value | | | | 0.4% | 0.4% |

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/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---------|---------|---------|-------------|-------------|
| Train 1 | | | | | |
| Planned unavailable hours | 21.60 | 16.10 | 25.62 | 7.40 | 18.10 |
| Unplanned unavailable hours | 0 | 0 | 0.68 | 0 | 43.15 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1346.00 | 2183.00 | 2168.00 | 2140.80 | 2184.00 |
| Train 2 | | | | | |
| Planned unavailable hours | 3.70 | 15.30 | 20.17 | 5.40 | 12.22 |
| 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 | 1346.00 | 2183.00 | 2168.00 | 2140.80 | 2184.00 |
| Train 3 | | | | | |
| Planned unavailable hours | 0.70 | 1.00 | 24.30 | 1.10 | 1.28 |
| 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 | 1346.00 | 2183.00 | 2168.00 | 2140.80 | 2184.00 |
| | | | | | |
| Indicator value | | | | 0.8% | 0.7% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



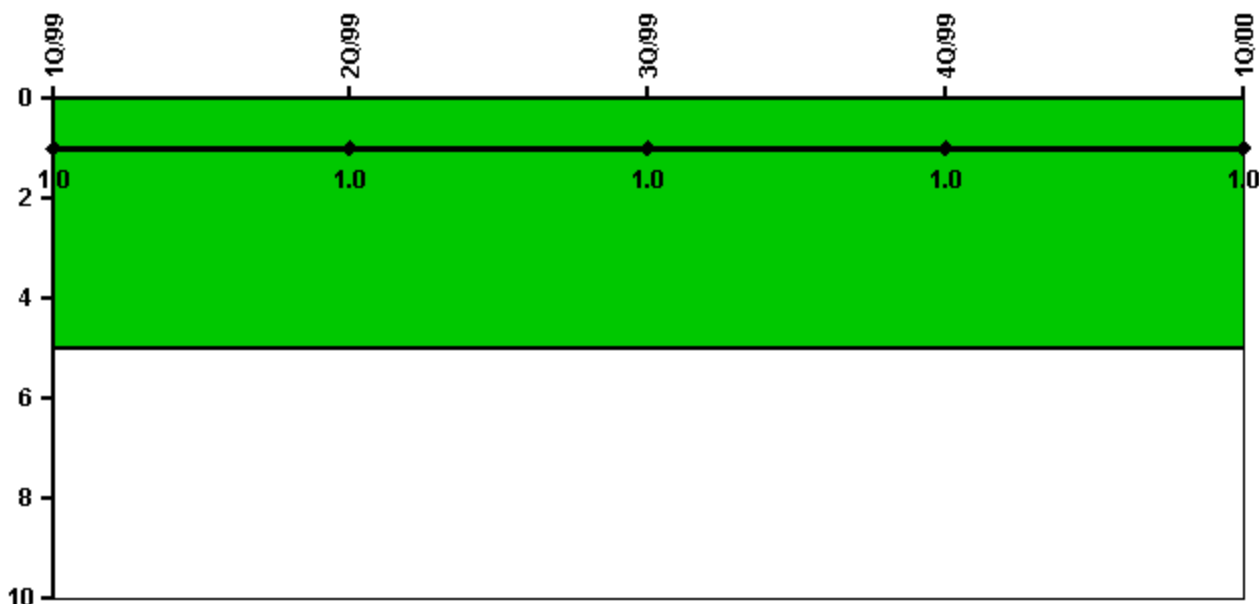
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Residual Heat Removal System | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|--|---------|---------|---------|-------------|-------------|
| Train 1 | | | | | |
| Planned unavailable hours | 2.80 | 0.20 | 14.75 | 2.60 | 1.08 |
| Unplanned unavailable hours | 0 | 0 | 1.62 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1346.00 | 2183.00 | 2208.00 | 2140.80 | 2184.00 |
| Train 2 | | | | | |
| Planned unavailable hours | 16.70 | 0.60 | 11.98 | 0.30 | 2.77 |
| Unplanned unavailable hours | 0 | 0 | 0.97 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1346.00 | 2183.00 | 2208.00 | 2140.80 | 2184.00 |
| | | | | | |
| Indicator value | | | | 0.2% | 0.3% |

Licensee Comments: none

Safety System Functional Failures (PWR)



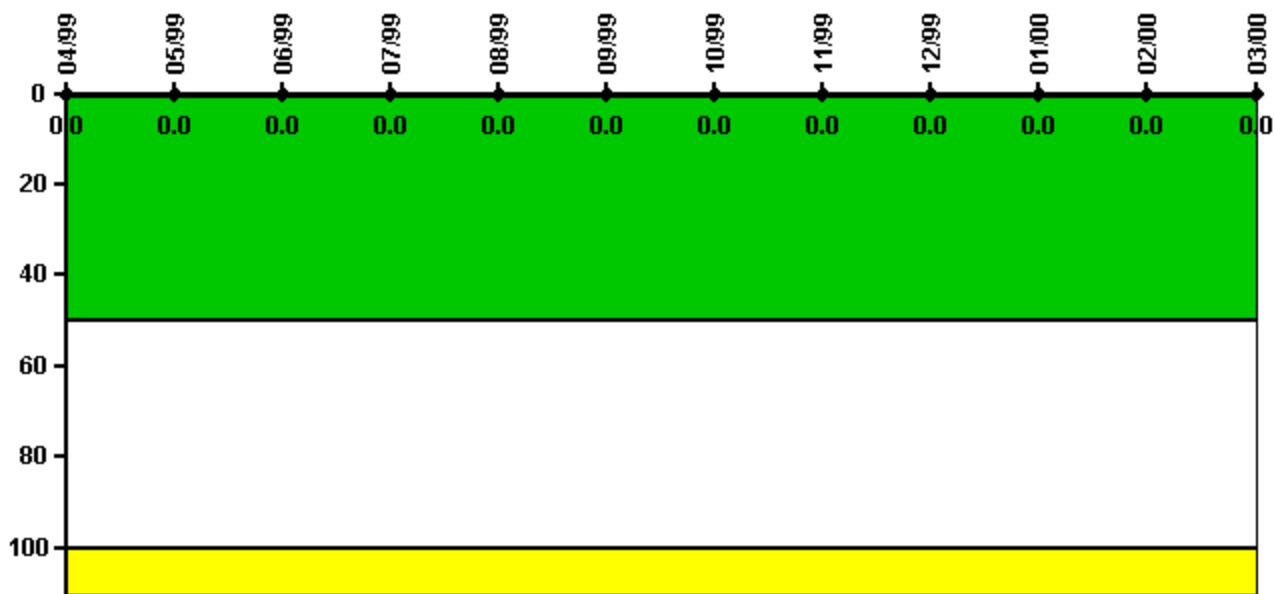
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



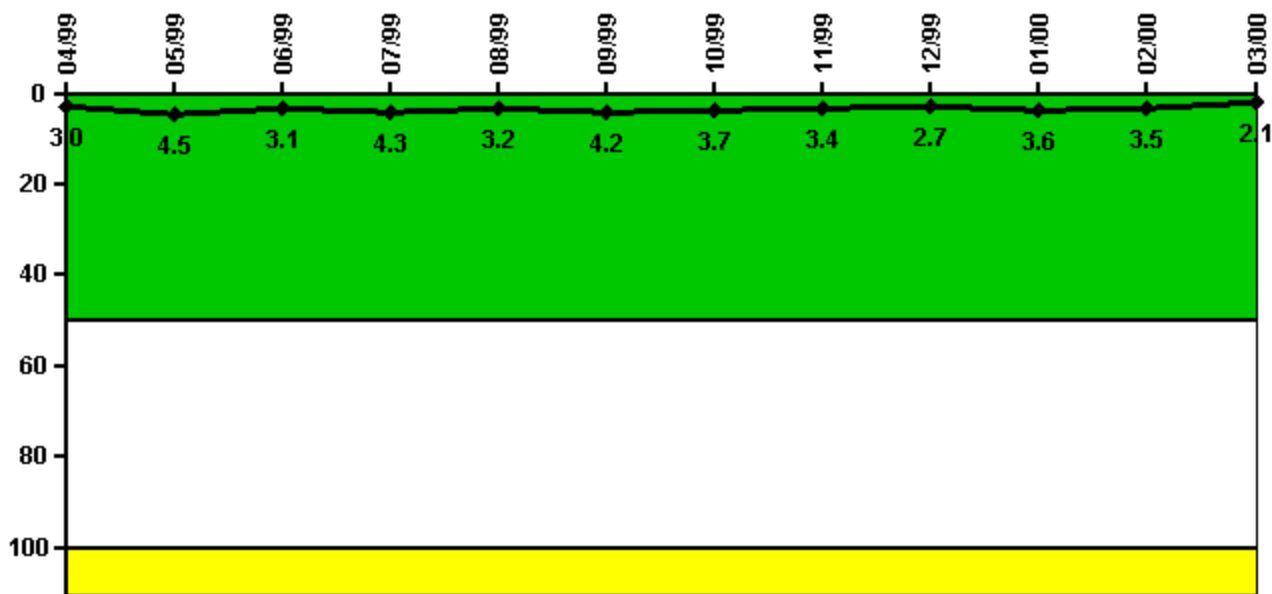
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Activity | 4/99 | 5/99 | 6/99 | 7/99 | 8/99 | 9/99 | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000309 | 0.000256 | 0.000361 | 0.000440 | 0.000364 | 0.000424 | 0.000412 | 0.000364 | 0.000444 | 0.000424 | 0.000495 | 0.000482 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Leakage



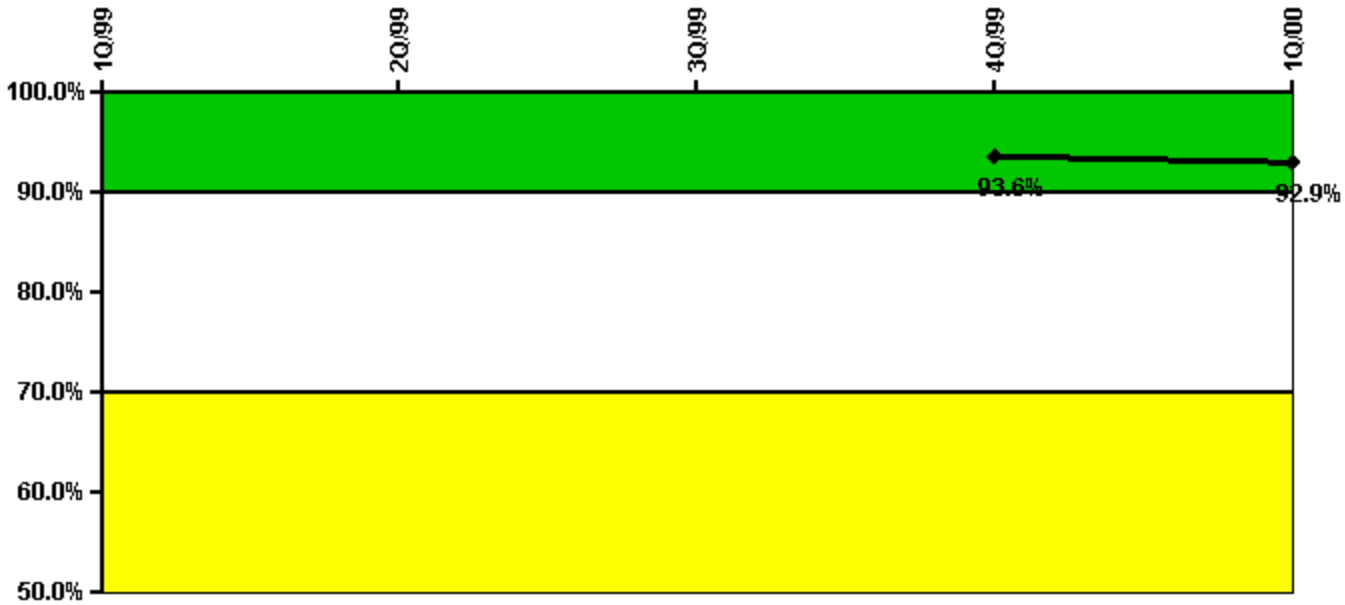
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Leakage | 4/99 | 5/99 | 6/99 | 7/99 | 8/99 | 9/99 | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.304 | 0.452 | 0.306 | 0.425 | 0.320 | 0.421 | 0.365 | 0.340 | 0.270 | 0.357 | 0.349 | 0.214 |
| 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 | 3.0 | 4.5 | 3.1 | 4.3 | 3.2 | 4.2 | 3.7 | 3.4 | 2.7 | 3.6 | 3.5 | 2.1 |

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

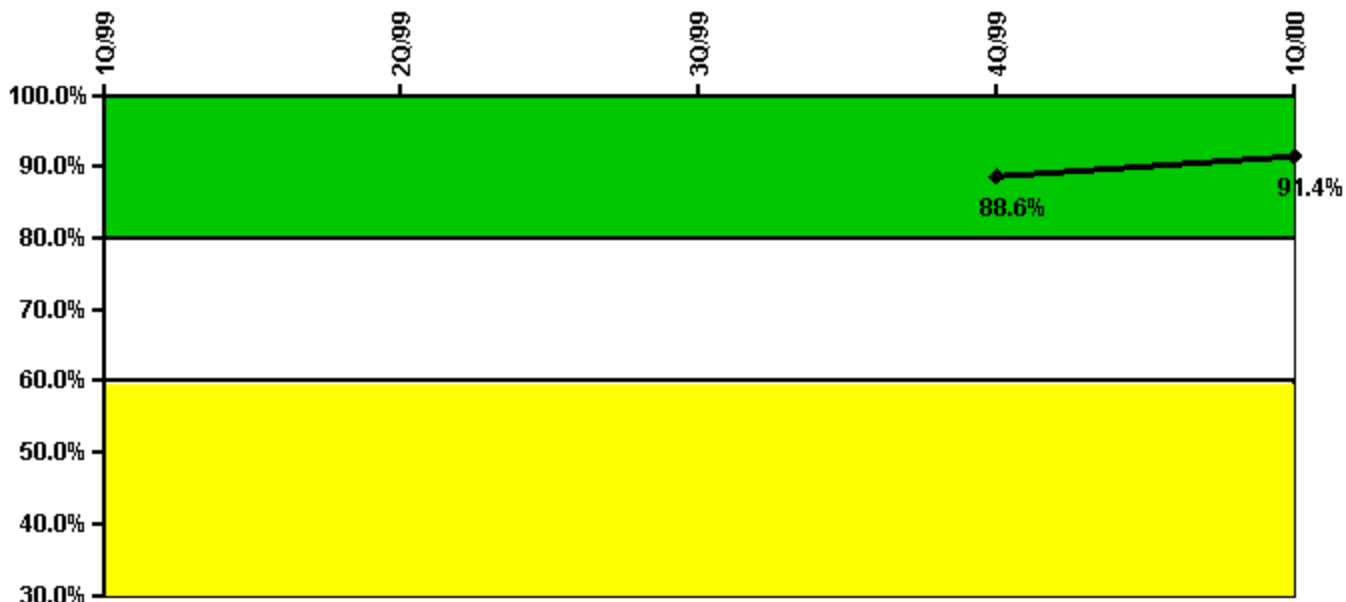
Notes

| Drill/Exercise Performance | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|----------------------------|-------|-------|-------|--------------|--------------|
| Successful opportunities | 14.0 | 44.0 | 3.0 | 10.0 | 24.0 |
| Total opportunities | 14.0 | 45.0 | 4.0 | 10.0 | 27.0 |
| | | | | | |
| Indicator value | | | | 93.6% | 92.9% |

Licensee Comments:

2Q/99: The 2Q98, 4Q98 and 2Q99 drill/exercise performance data totals for opportunities and successes, provided in our 1/21/00 historical data submittal, included data for follow-up protective action recommendations (PARs). Based on additional assessment of NEI 99-02 guidance following the historical data submittal, we have concluded that follow-up PARs should not be counted as opportunities and have therefore deleted these data from the totals for the opportunities and successes. This change does not affect the color of the PI - it remains green (reference AR A0506404).

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

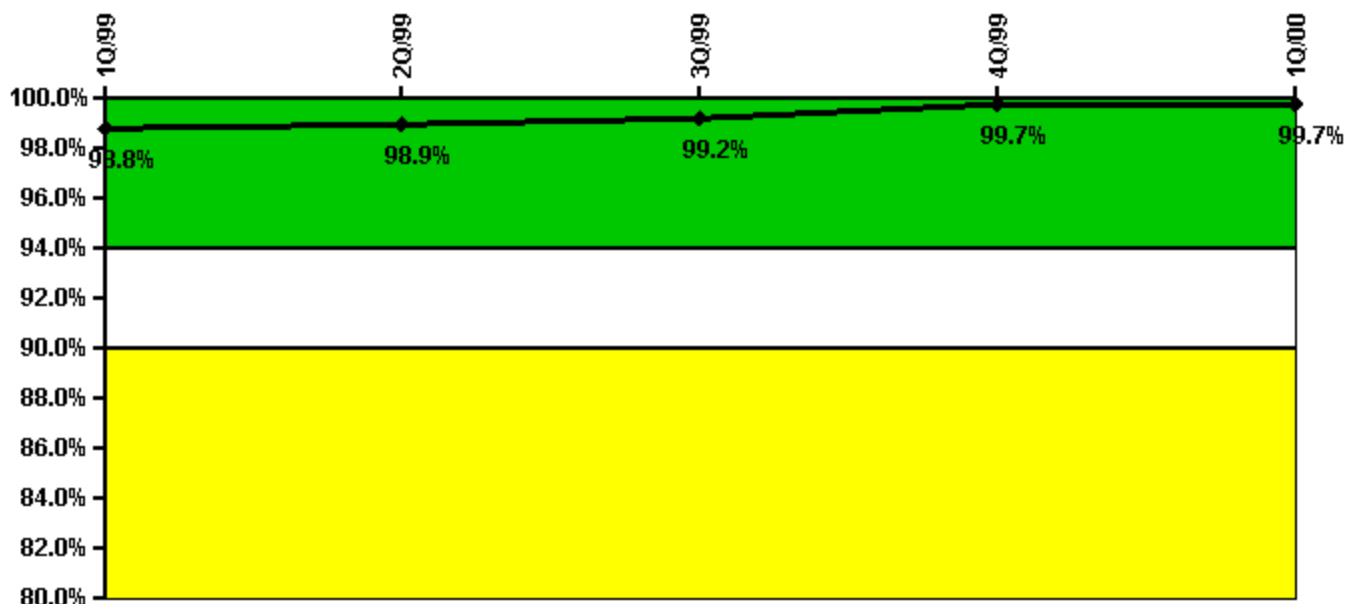
Notes

| ERO Drill Participation | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|-----------------------------|-------|-------|-------|--------------|--------------|
| Participating Key personnel | | | | 62.0 | 53.0 |
| Total Key personnel | | | | 70.0 | 58.0 |
| | | | | | |
| Indicator value | | | | 88.6% | 91.4% |

Licensee Comments:

4Q/99: The 4Q99 data for ERO participation, submitted in our 1/21/00 historical data submittal, was based on the total number of personnel that had been identified as key ERO personnel throughout the 8 quarter period associated with this PI. Consistent with EP-ERO FAQ No. 46 on page 101 of NEI 99-02 Rev. 0, this correction is submitted to change the number of key ERO personnel to the number that was identified as such on December 31, 1999. In addition, the shift foreman has been eliminated from the designated key ERO positions. This is based on the fact that the shift manager is responsible for both the shift manager and shift communicator functions. These changes do not affect the color of the PI - it remains green (reference AR A0506233)

Alert & Notification System



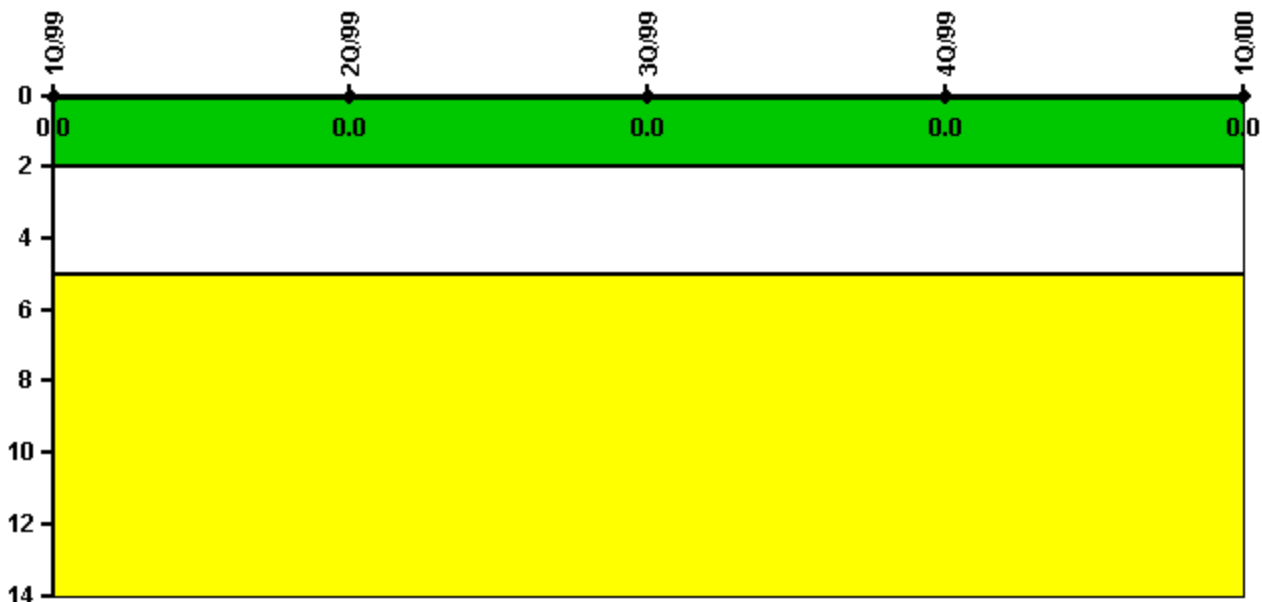
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|-----------------------------|-------|-------|-------|-------|-------|
| Successful siren-tests | 912 | 912 | 1045 | 1179 | 912 |
| Total sirens-tests | 917 | 917 | 1048 | 1179 | 917 |
| | | | | | |
| Indicator value | 98.8% | 98.9% | 99.2% | 99.7% | 99.7% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



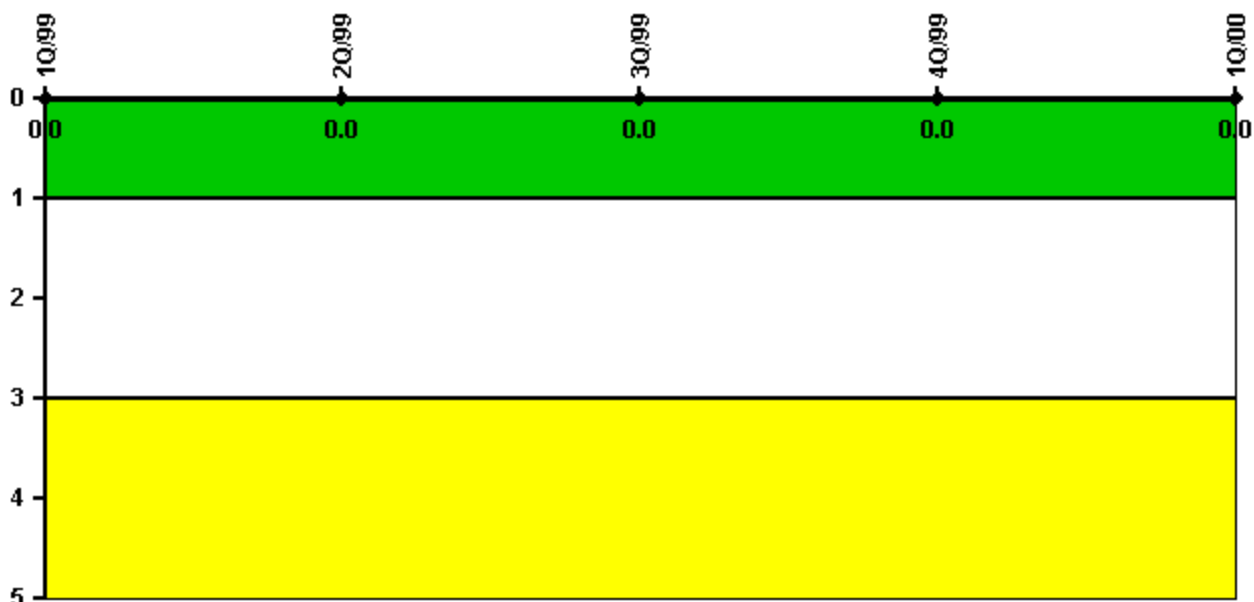
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/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



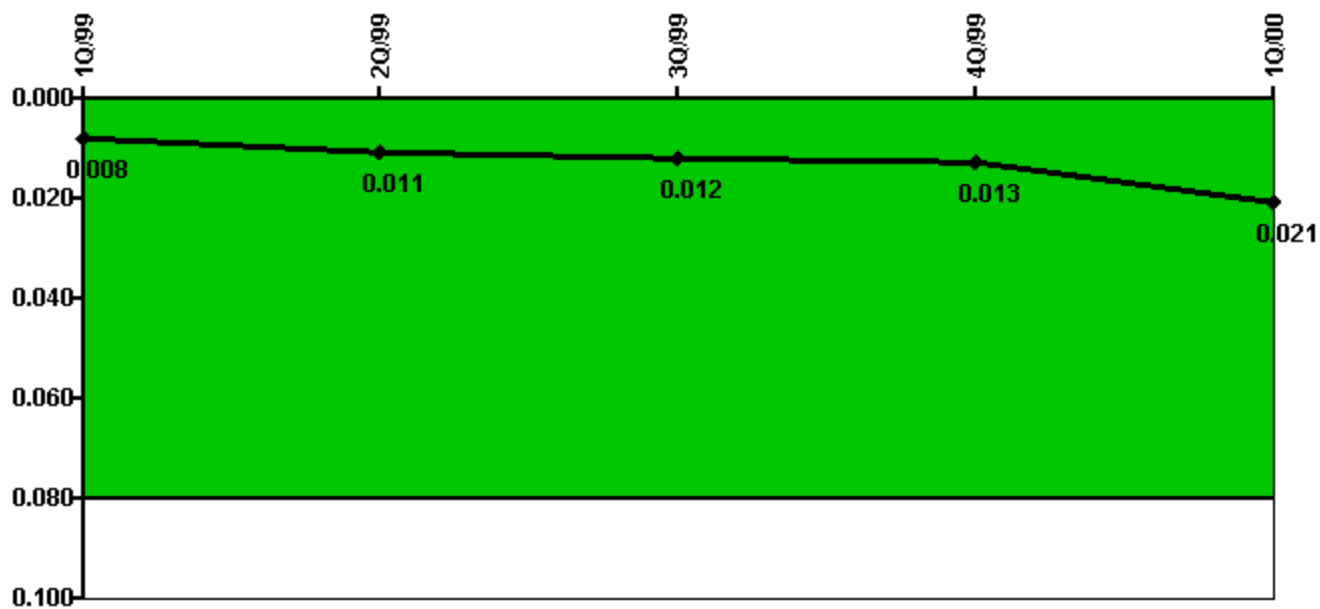
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



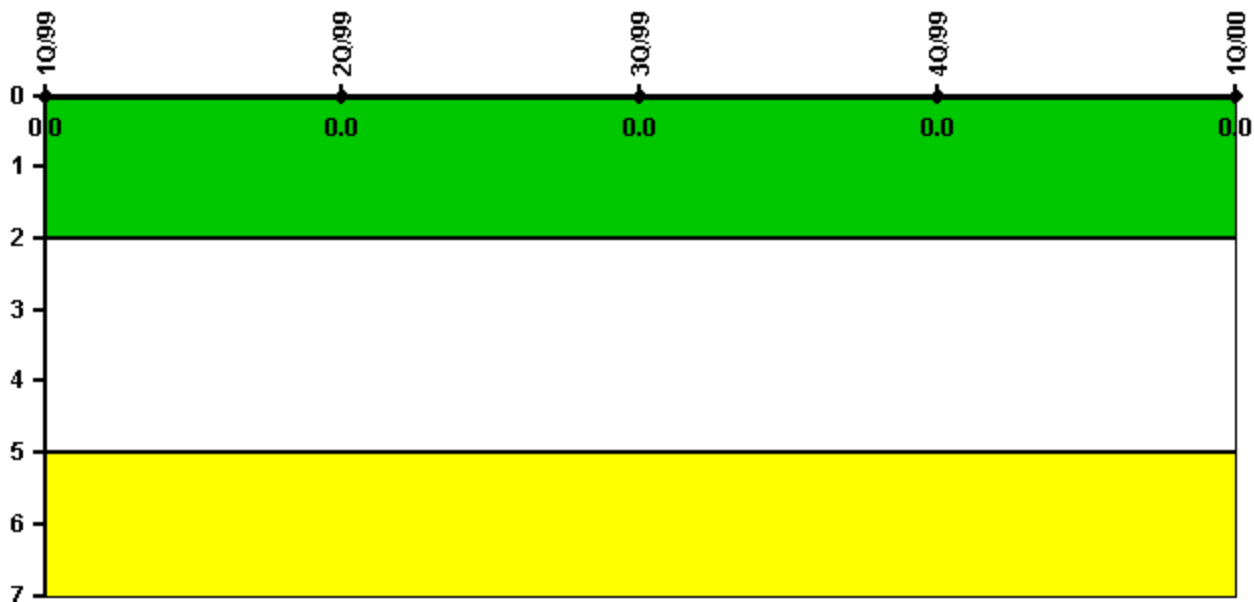
Thresholds: White > 0.080

Notes

| Protected Area Security Performance Index | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|--------------|--------------|--------------|--------------|--------------|
| IDS compensatory hours | 246.00 | 126.00 | 86.00 | 67.00 | 573.00 |
| CCTV compensatory hours | 0 | 0 | 0 | 0 | 0 |
| IDS normalization factor | 2.25 | 2.25 | 2.25 | 2.25 | 2.30 |
| CCTV normalization factor | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| | | | | | |
| Index Value | 0.008 | 0.011 | 0.012 | 0.013 | 0.021 |

Licensee Comments: none

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

Last Modified: April 1, 2002