

Comanche Peak 2

3Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



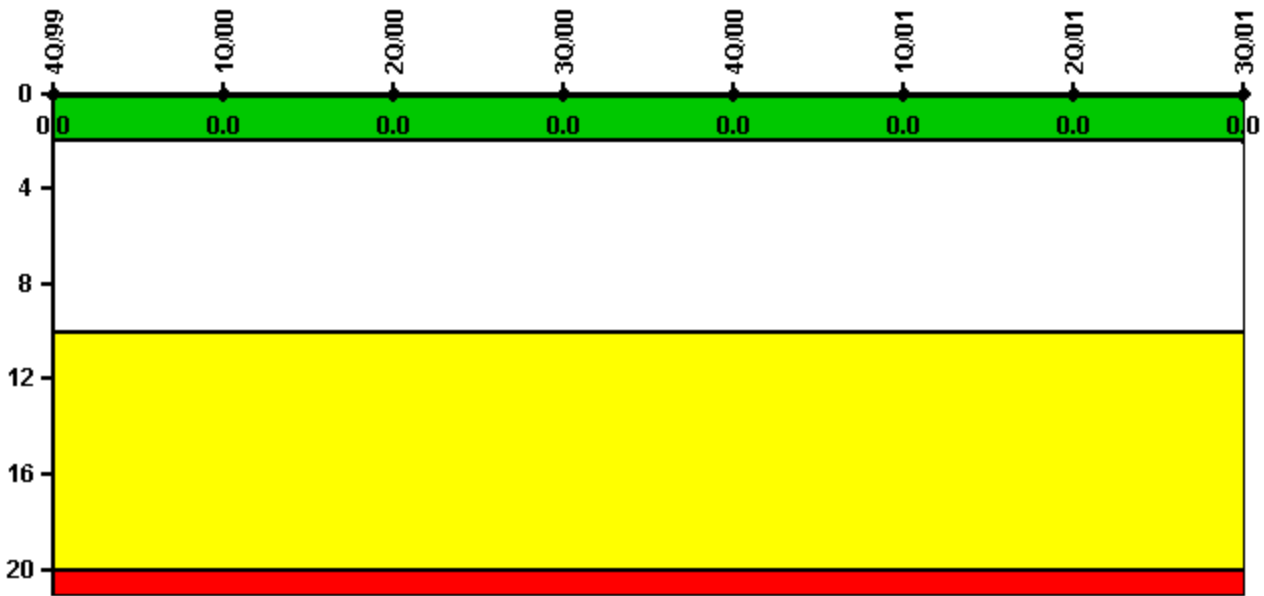
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2209.0 | 2184.0 | 2183.0 | 2195.5 | 1392.5 | 2160.0 | 2183.0 | 2188.6 |
| | | | | | | | | |
| Indicator value | 0.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



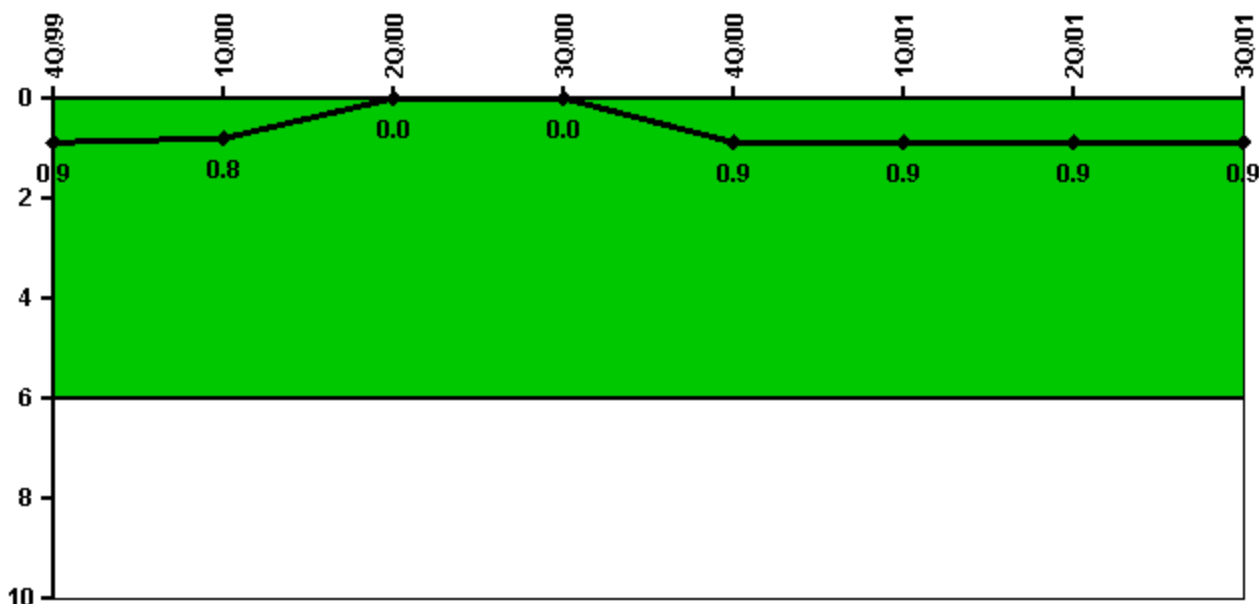
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/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



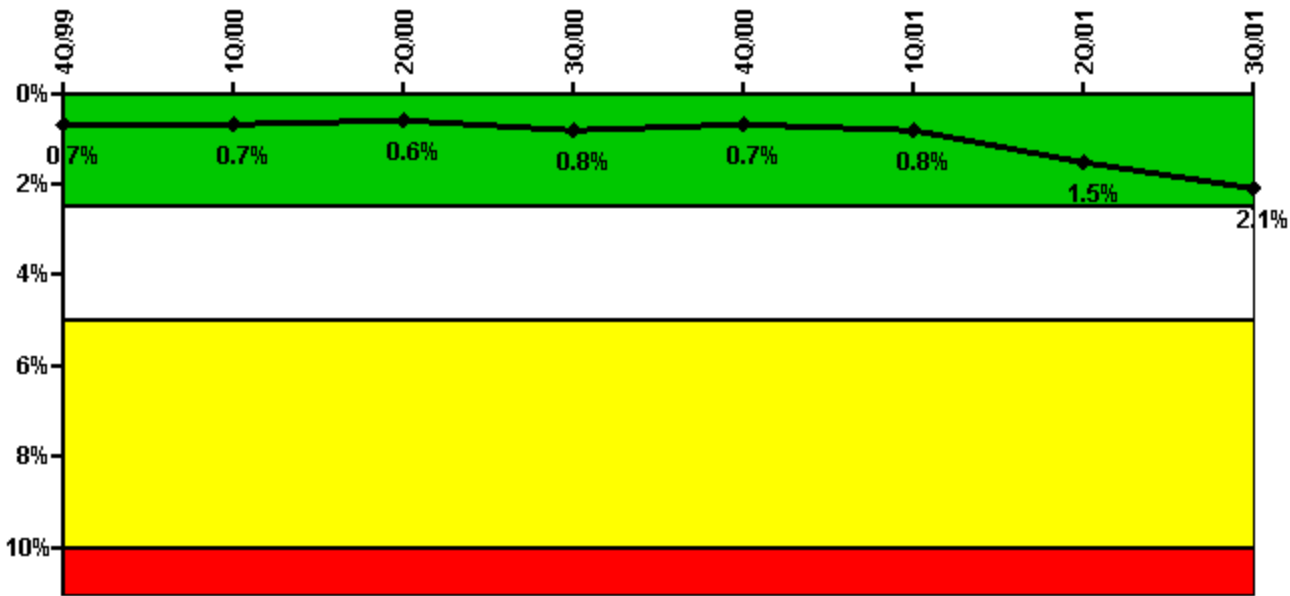
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 2184.0 | 2183.0 | 2195.5 | 1392.5 | 2160.0 | 2183.0 | 2188.6 |
| | | | | | | | | |
| Indicator value | 0.9 | 0.8 | 0 | 0 | 0.9 | 0.9 | 0.9 | 0.9 |

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 | 3Q/01 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 4.60 | 14.00 | 17.00 | 19.00 | 3.90 | 6.50 | 2.80 | 2.50 |
| Unplanned unavailable hours | 0 | 0 | 7.20 | 0 | 20.80 | 6.00 | 32.50 | 18.40 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 334.30 | 333.80 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 3.30 | 12.80 | 17.60 | 2.40 | 3.60 | 19.40 | 19.30 | 5.80 |
| Unplanned unavailable hours | 0 | 0 | 0 | 64.90 | 0 | 5.30 | 4.80 | 1.00 |
| 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 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| Indicator value | 0.7% | 0.7% | 0.6% | 0.8% | 0.7% | 0.8% | 1.5% | 2.1% |

Licensee Comments:

2Q/01: Changes to the 2nd Quarter 2001 SSU-Emergency AC Power data were to address minor discrepancies noted during subsequent reviews of the previously submitted CPSES data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

3Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

1Q/00: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

| | | | | | | | | |
|-----------------|------|------|------|------|------|------|------|------|
| Indicator value | 0.4% | 0.4% | 0.4% | 0.3% | 0.3% | 0.4% | 0.4% | 0.5% |
|-----------------|------|------|------|------|------|------|------|------|

Licensee Comments:

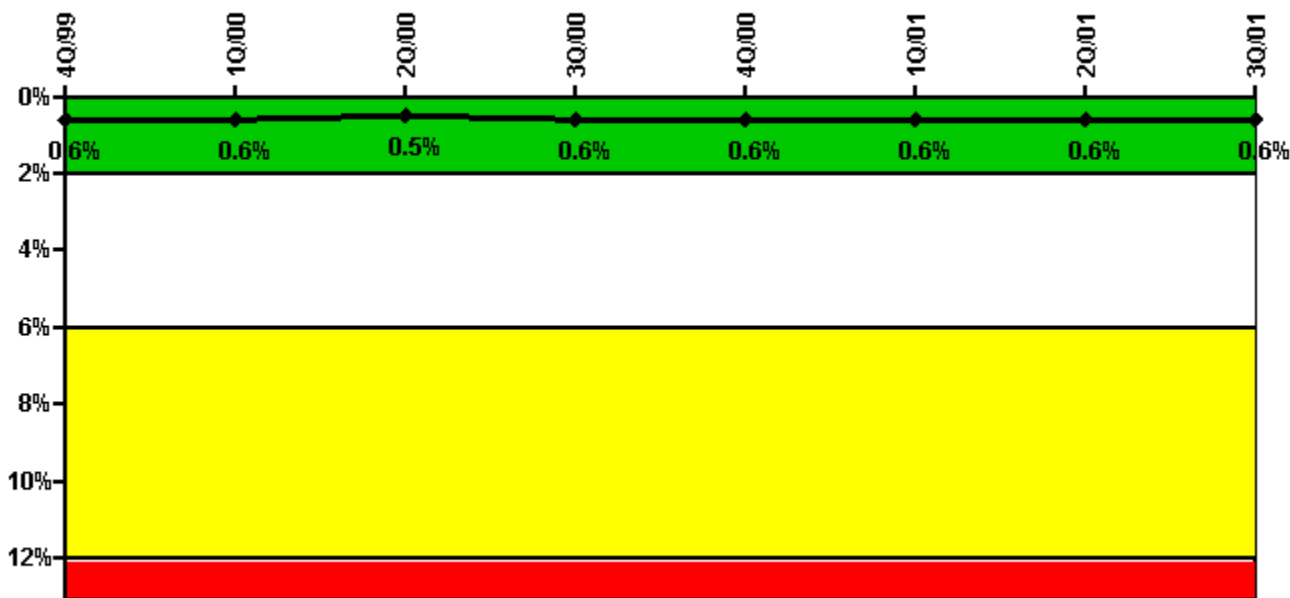
3Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Changes to the 2nd Quarter 2001 SSU-High Pressure Injection system data were to address minor discrepancies noted during subsequent reviews of the previously submitted CPSES data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

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 | 3Q/01 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 9.50 | 4.10 | 11.20 | 40.60 | 30.60 | 4.30 | 13.00 | 5.80 |
| Unplanned unavailable hours | 0 | 0 | 0.20 | 15.80 | 0 | 0 | 3.30 | 1.10 |
| 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 | 2184.00 | 2183.00 | 2195.50 | 1392.50 | 2160.00 | 2183.00 | 2188.60 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 2.80 | 1.60 | 1.70 | 17.90 | 1.70 | 19.80 | 2.20 | 52.50 |

| | | | | | | | | |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Unplanned unavailable hours | 0 | 0 | 0.20 | 0 | 0 | 6.00 | 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 | 2184.00 | 2183.00 | 2195.50 | 1392.50 | 2160.00 | 2183.00 | 2188.60 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 11.80 | 1.60 | 7.50 | 2.50 | 1.50 | 5.80 | 6.60 | 9.50 |
| Unplanned unavailable hours | 0 | 0 | 0 | 13.60 | 0 | 0 | 6.60 | 1.60 |
| 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 | 2184.00 | 2183.00 | 2195.50 | 1392.50 | 2160.00 | 2183.00 | 2188.60 |
| | | | | | | | | |
| Indicator value | 0.6% | 0.6% | 0.5% | 0.6% | 0.6% | 0.6% | 0.6% | 0.6% |

Licensee Comments:

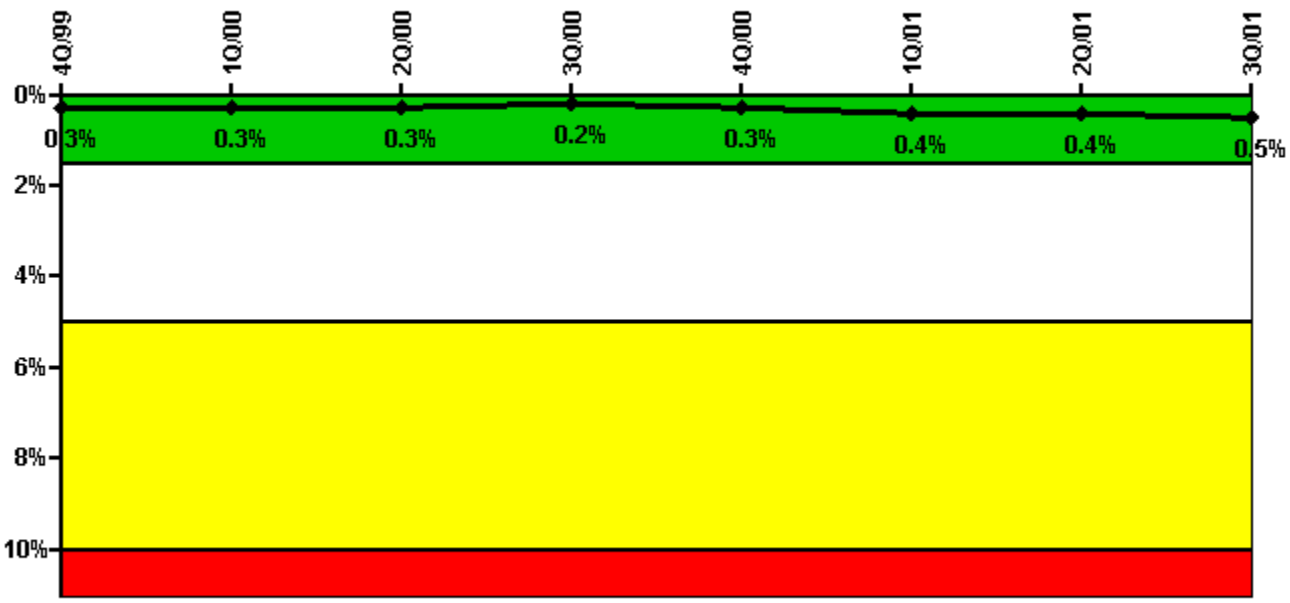
3Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Changes to the 2nd Quarter 2001 SSU-Heat Removal system data were to address minor discrepancies noted during subsequent reviews of the previously submitted CPSES data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

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 | 3Q/01 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0.30 | 9.50 | 2.40 | 9.80 | 8.00 | 30.00 | 12.70 | 53.30 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 6.00 | 17.40 | 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 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 1.50 | 0.40 | 19.00 | 1.30 | 35.40 | 10.40 | 5.40 | 24.40 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 6.40 | 1.60 |
| 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 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| Indicator value | 0.3% | 0.3% | 0.3% | 0.2% | 0.3% | 0.4% | 0.4% | 0.5% |

Licensee Comments:

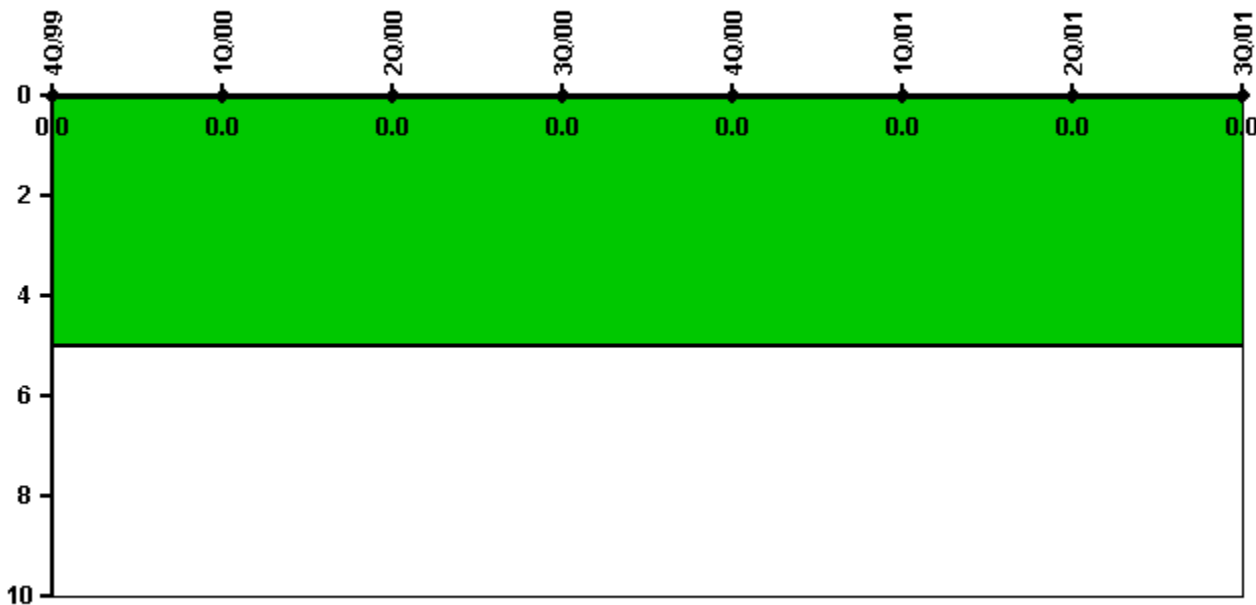
3Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Refined reporting expectations on impact of Solid State Safeguards Sequencer required changes to the 2nd and 3rd Quarter data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

2Q/01: Changes to the 2nd Quarter 2001 SSU-Residual Heat Removal data were to address minor discrepancies noted during subsequent reviews of the previously submitted CPSES data. Revised data had a minimal effect on the overall indicator and resulted in no 'color changes'.

1Q/01: Minor changes to data were based on program review and had no impact to PI trend or color of indicator.

Safety System Functional Failures (PWR)



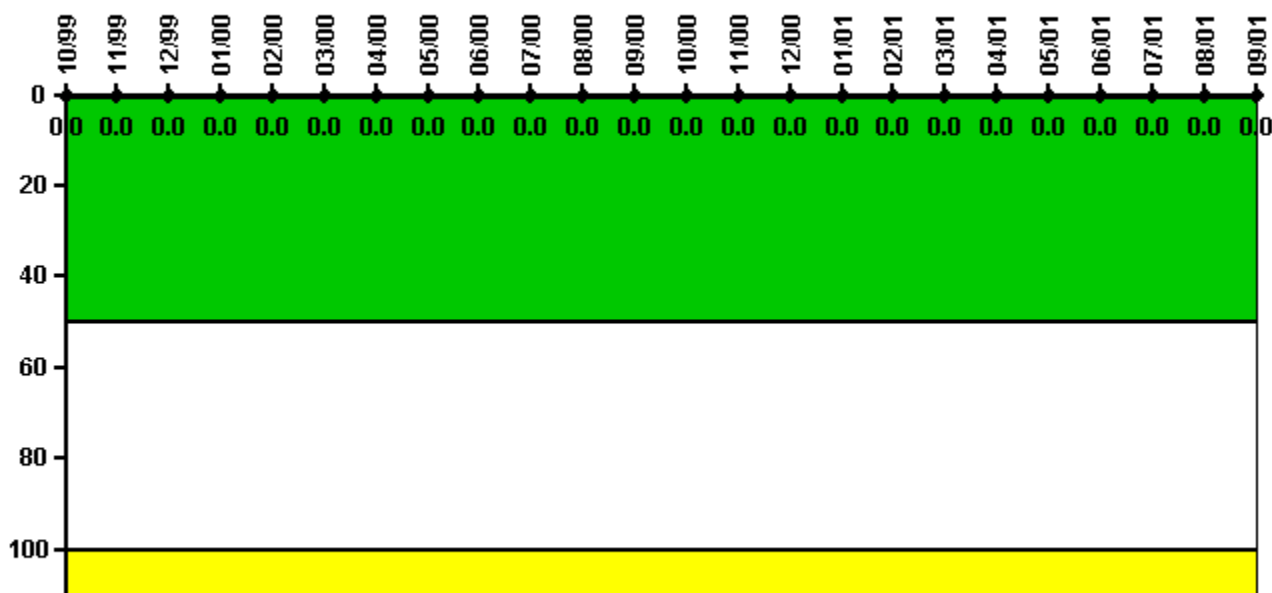
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 0 | 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 | 0.000146 | 0.000140 | 0.000168 | 0.000152 | 0.000159 | 0.000160 | 0.000184 | 0.000192 | 0.000186 | 0.000181 | 0.000211 | 0.000226 |
| 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 |

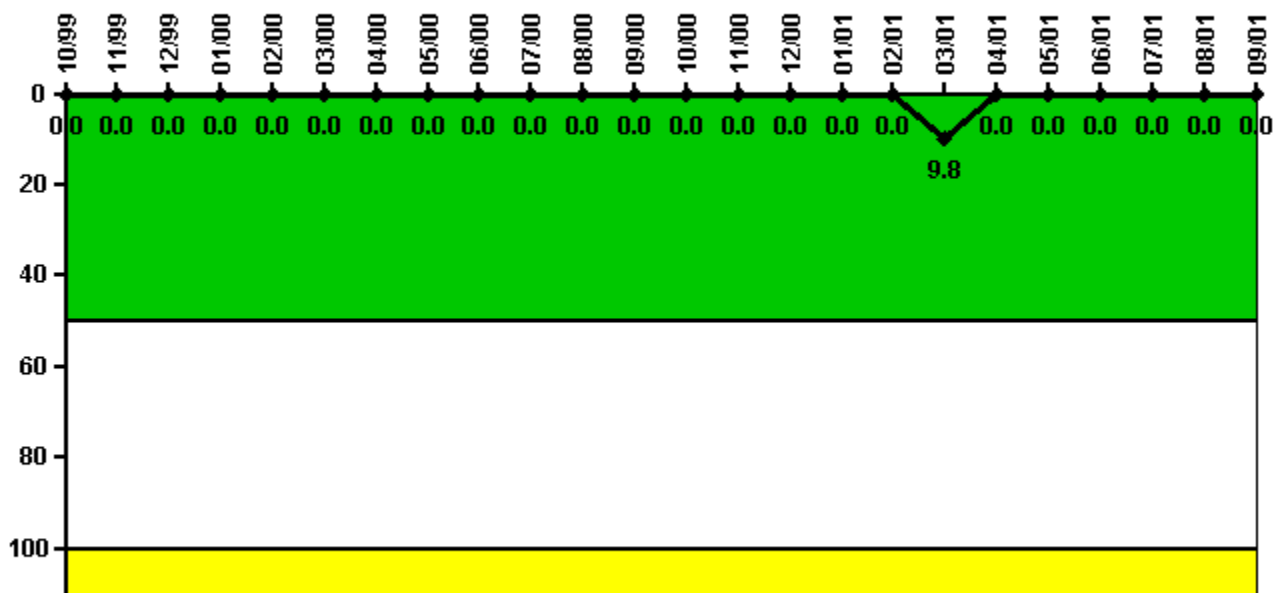
| Reactor Coolant System Activity | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 |
|---------------------------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0 | 0.000105 | 0.000105 | 0.000110 | 0.000119 | 0.000120 | 0.000119 | 0.000141 | 0.000128 | 0.000126 | 0.000134 | 0.000143 |
| Technical specification limit | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments:

9/01: Revised Administrative Technical Specification Limit for RCS Activity. Change does not impact the PI trend or change the color

6/01: Revised Administrative Technical Specification Limit for RCS Activity. Change does not impact the PI trend or change the color

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

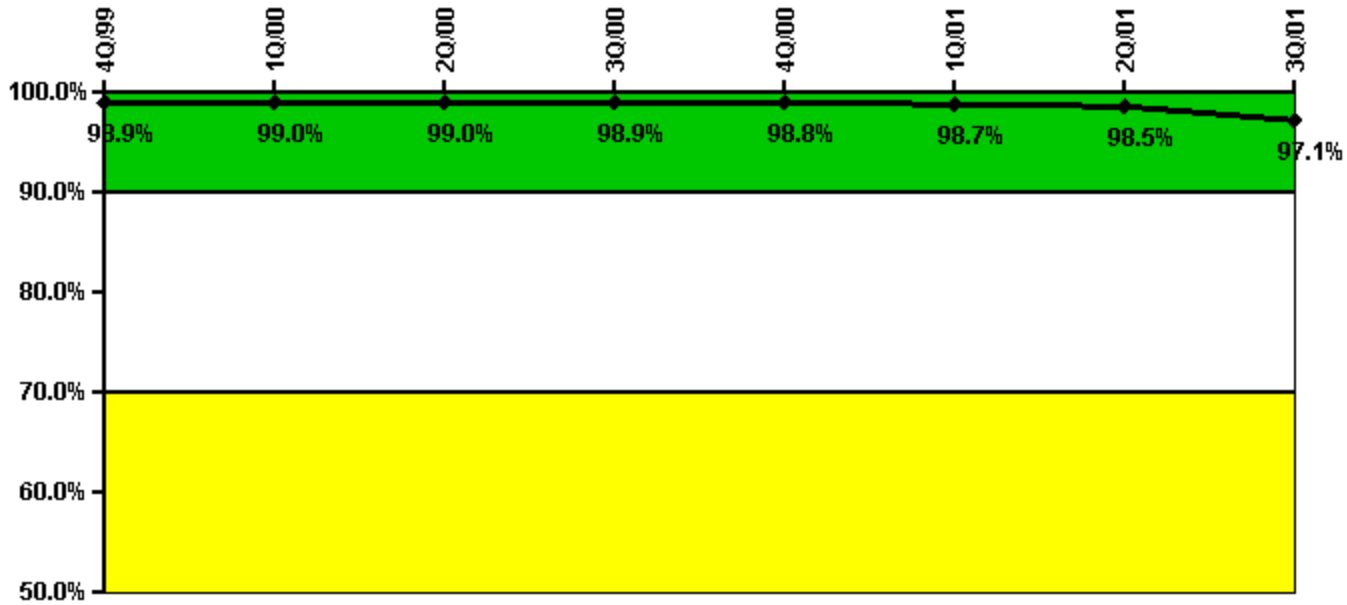
Notes

| 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 | 0 | 0 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| 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 | 0 | 0 | 0 | 0 | 0.976 | 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 | 0 | 0 | 0 | 9.8 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Drill/Exercise Performance



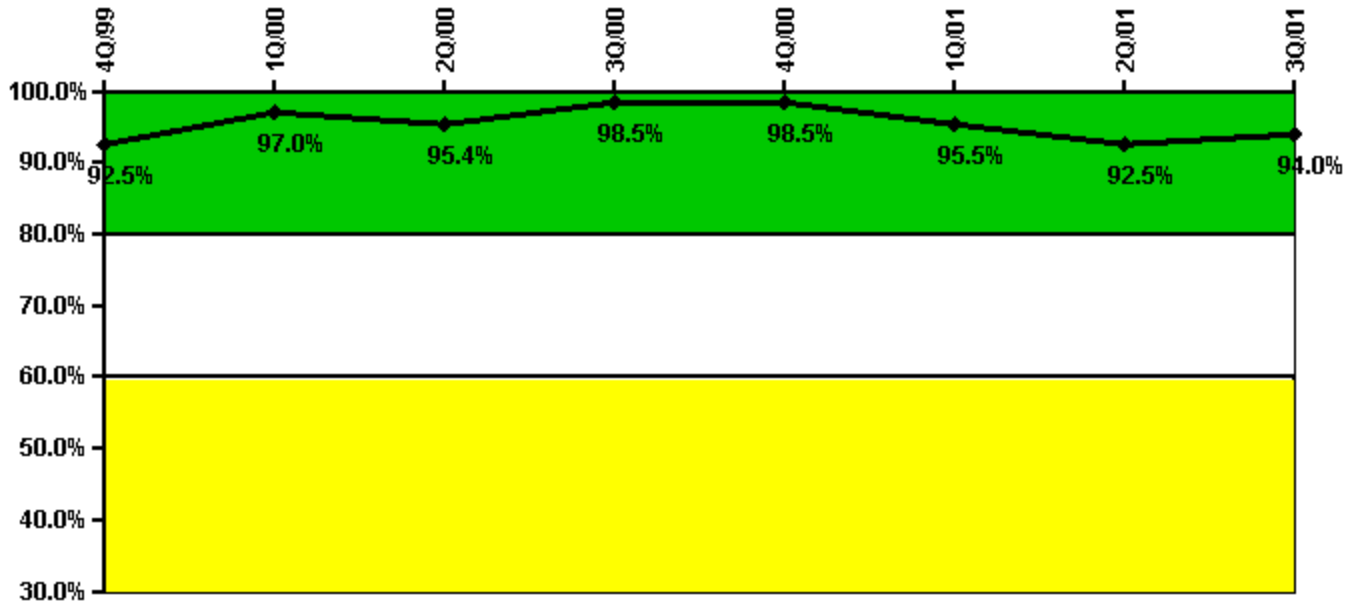
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 0 | 28.0 | 7.0 | 87.0 | 0 | 0 | 0 | 47.0 |
| Total opportunities | 0 | 28.0 | 8.0 | 88.0 | 0 | 0 | 0 | 50.0 |
| | | | | | | | | |
| Indicator value | 98.9% | 99.0% | 99.0% | 98.9% | 98.8% | 98.7% | 98.5% | 97.1% |

Licensee Comments: none

ERO Drill Participation



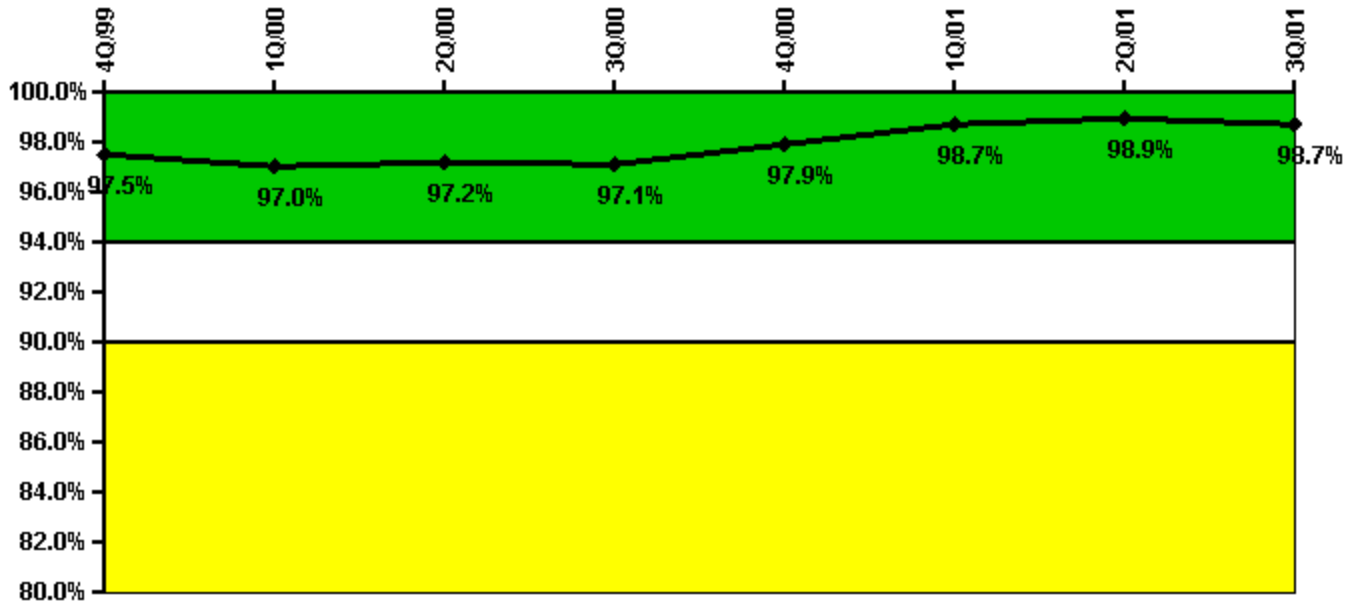
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Participating Key personnel | 62.0 | 65.0 | 62.0 | 65.0 | 65.0 | 63.0 | 62.0 | 63.0 |
| Total Key personnel | 67.0 | 67.0 | 65.0 | 66.0 | 66.0 | 66.0 | 67.0 | 67.0 |
| | | | | | | | | |
| Indicator value | 92.5% | 97.0% | 95.4% | 98.5% | 98.5% | 95.5% | 92.5% | 94.0% |

Licensee Comments: none

Alert & Notification System



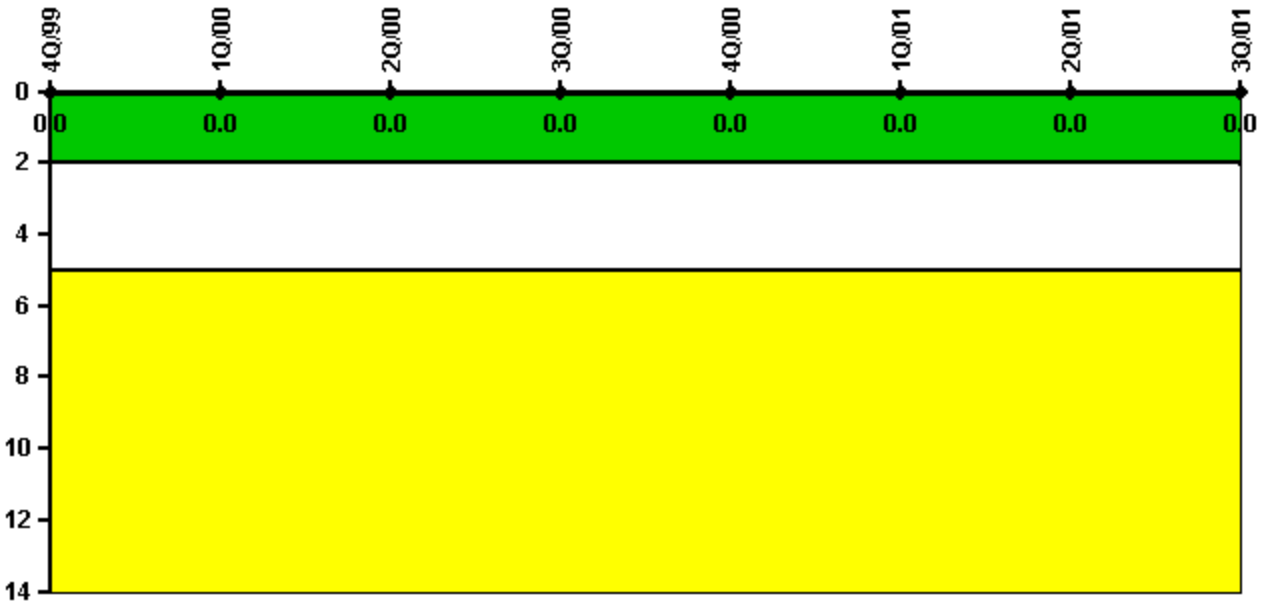
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 191 | 189 | 194 | 195 | 197 | 196 | 195 | 194 |
| Total sirens-tests | 198 | 198 | 198 | 198 | 198 | 198 | 198 | 198 |
| | | | | | | | | |
| Indicator value | 97.5% | 97.0% | 97.2% | 97.1% | 97.9% | 98.7% | 98.9% | 98.7% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



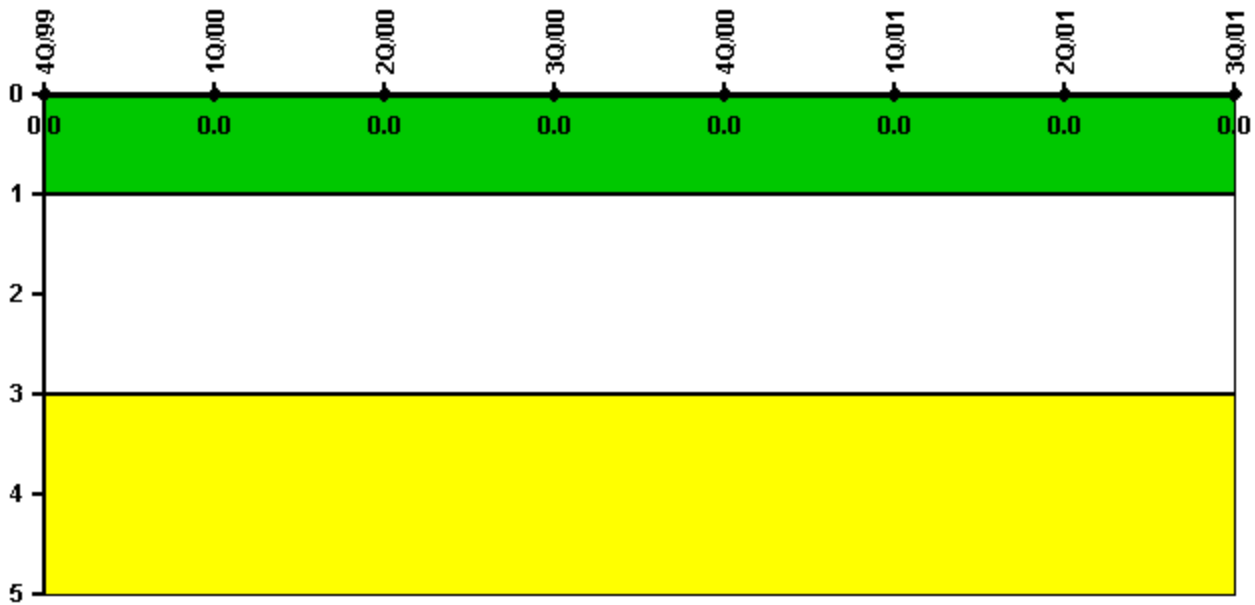
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/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



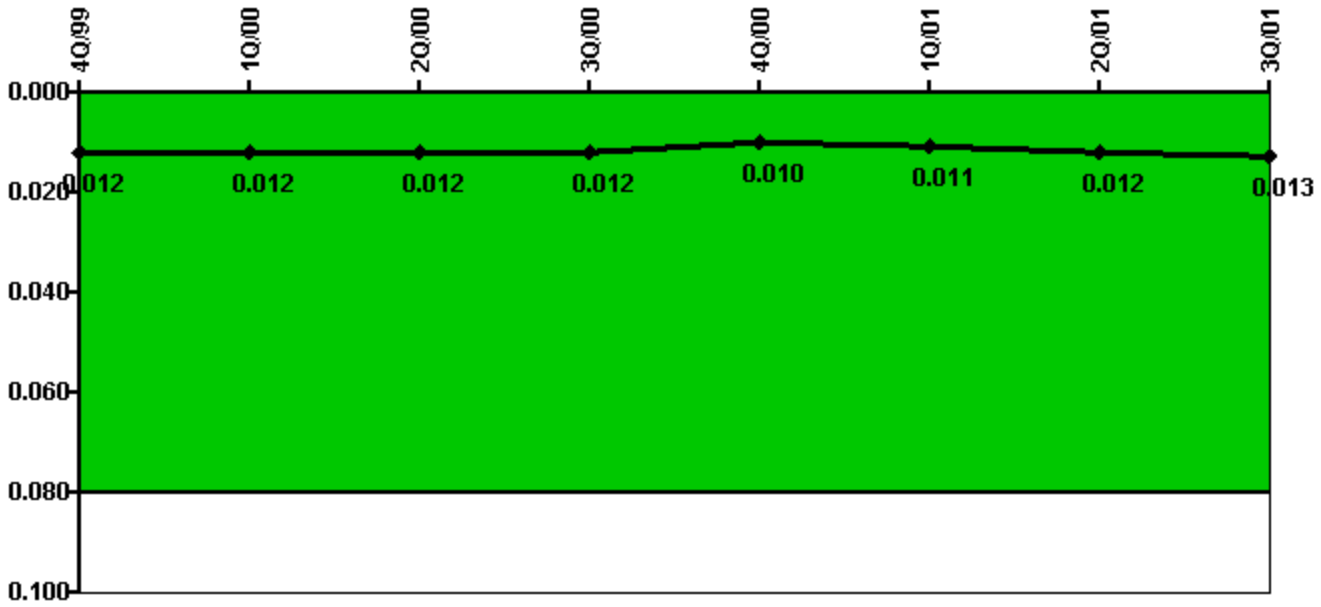
Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/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



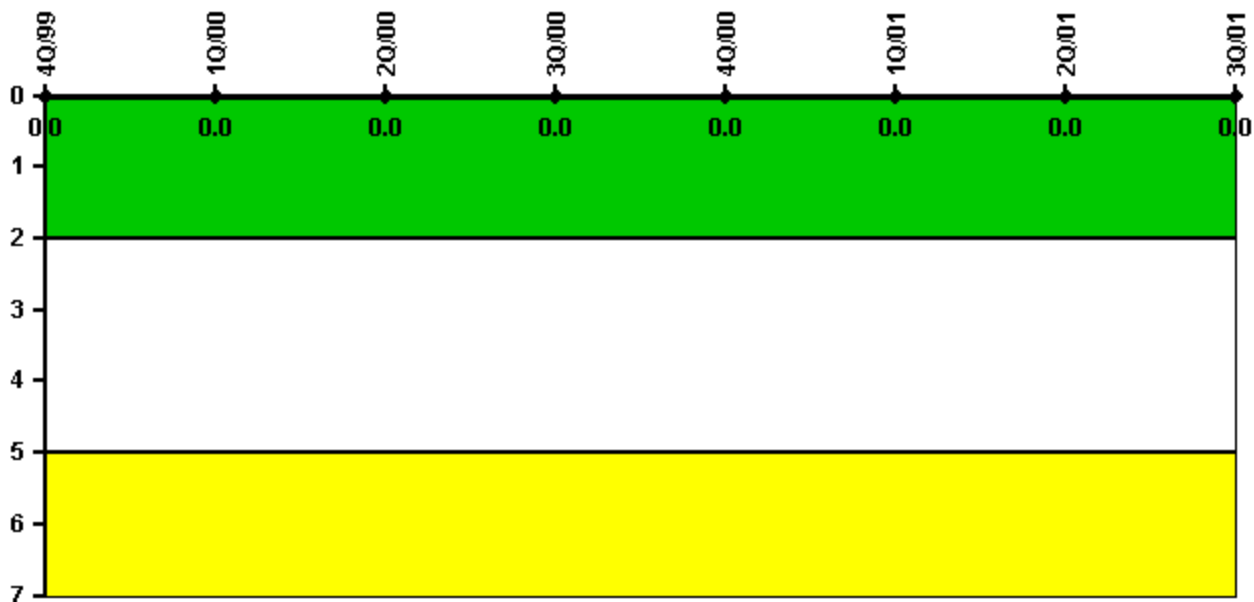
Thresholds: White > 0.080

Notes

| Protected Area Security Performance Index | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| IDS compensatory hours | 104.10 | 103.10 | 73.70 | 67.90 | 83.90 | 142.10 | 98.60 | 28.00 |
| CCTV compensatory hours | 56.1 | 8.3 | 8.3 | 11.0 | 5.8 | 4.7 | 29.9 | 49.5 |
| IDS normalization factor | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| CCTV normalization factor | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | | | | | | | |
| Index Value | 0.012 | 0.012 | 0.012 | 0.012 | 0.010 | 0.011 | 0.012 | 0.013 |

Licensee Comments: none

Personnel Screening Program



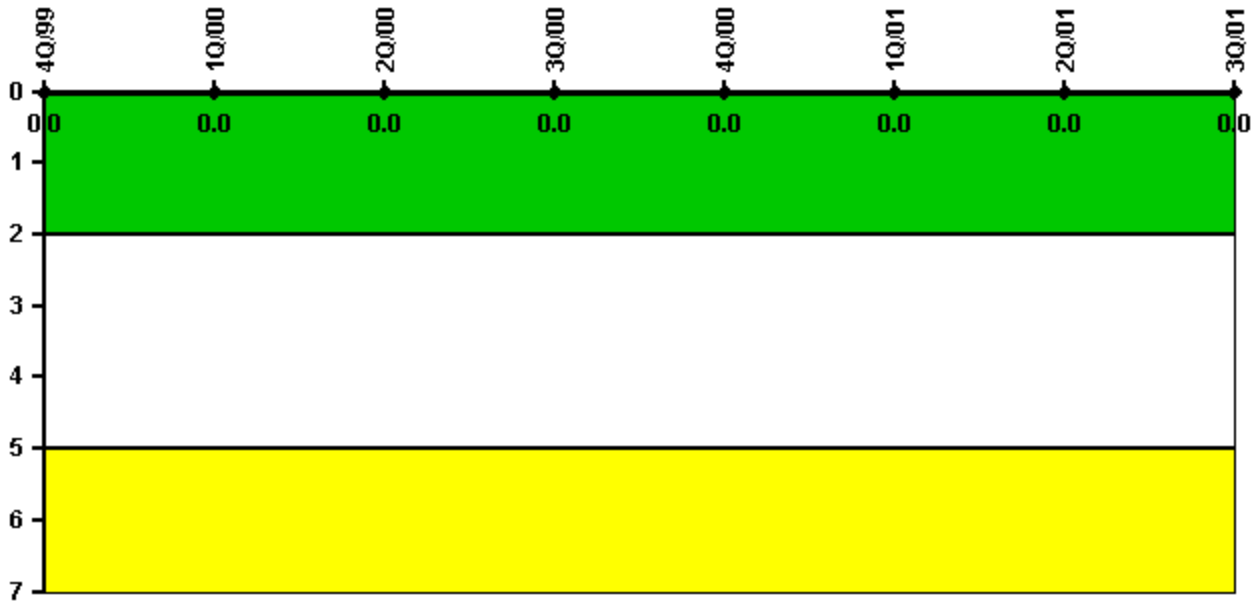
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Personnel Screening Program | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/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 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/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 26, 2002