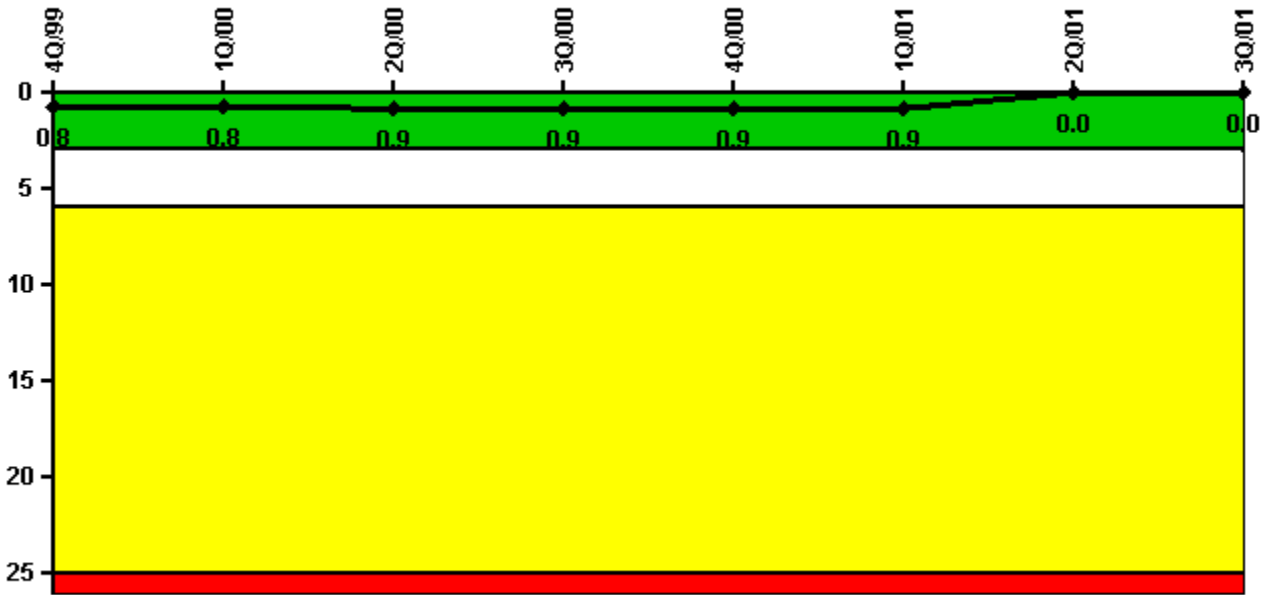


Fermi 2

3Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



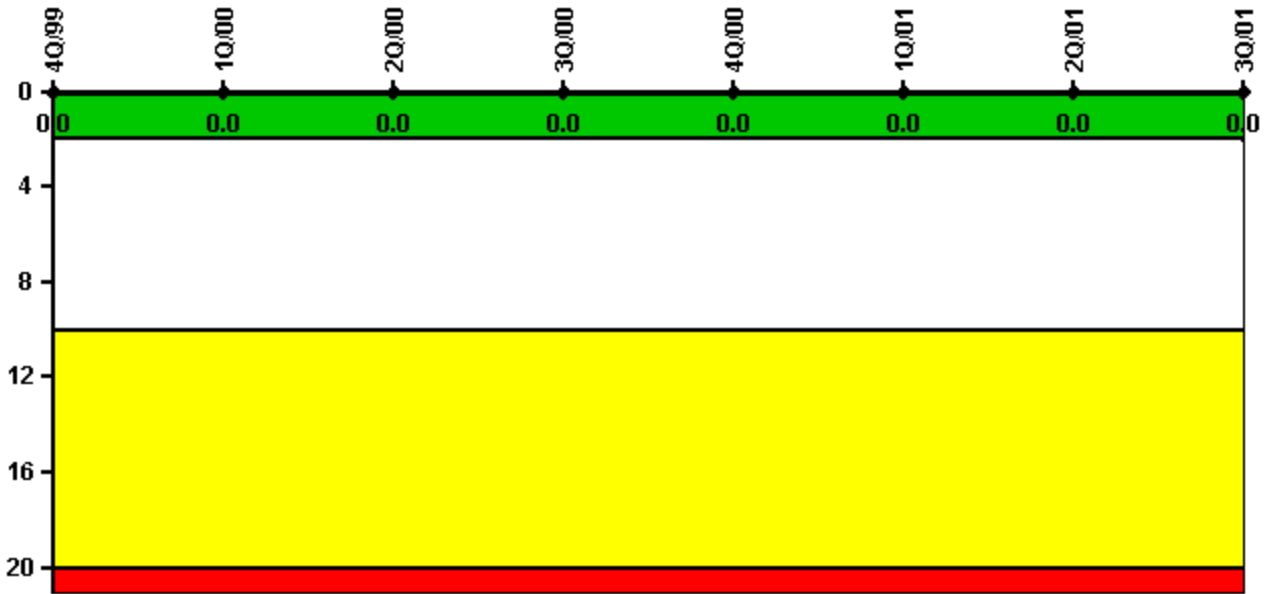
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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 | 1.0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 2184.0 | 1095.6 | 2208.0 | 2209.0 | 2160.0 | 2152.4 | 2208.0 |
| | | | | | | | | |
| Indicator value | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0 | 0 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



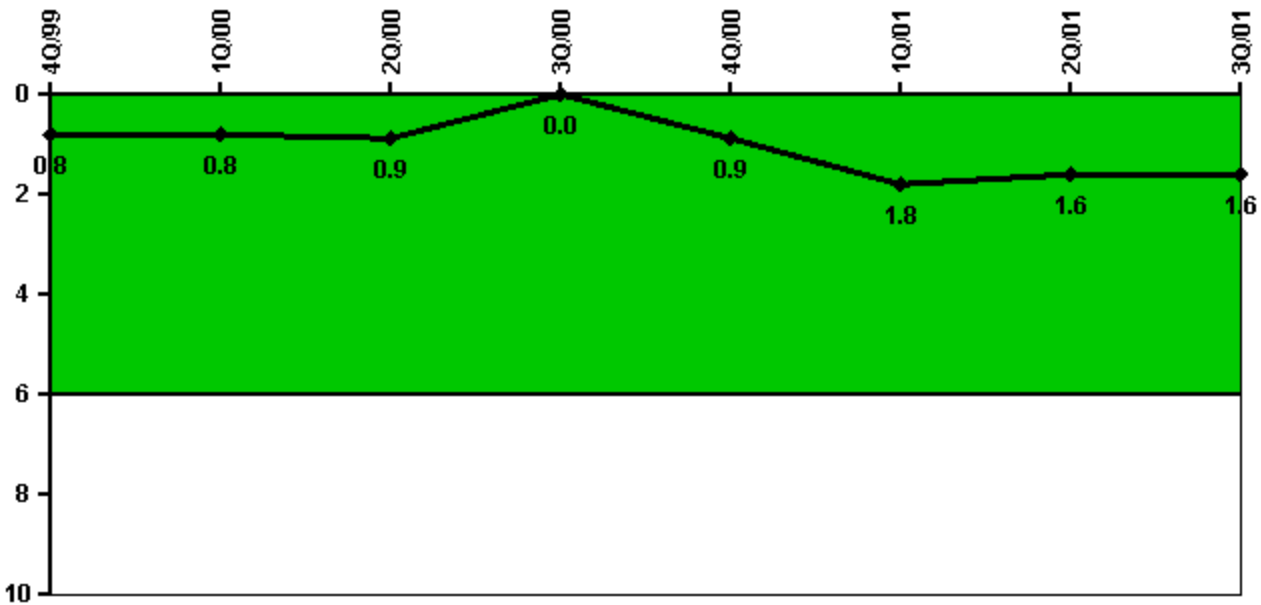
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 4Q/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



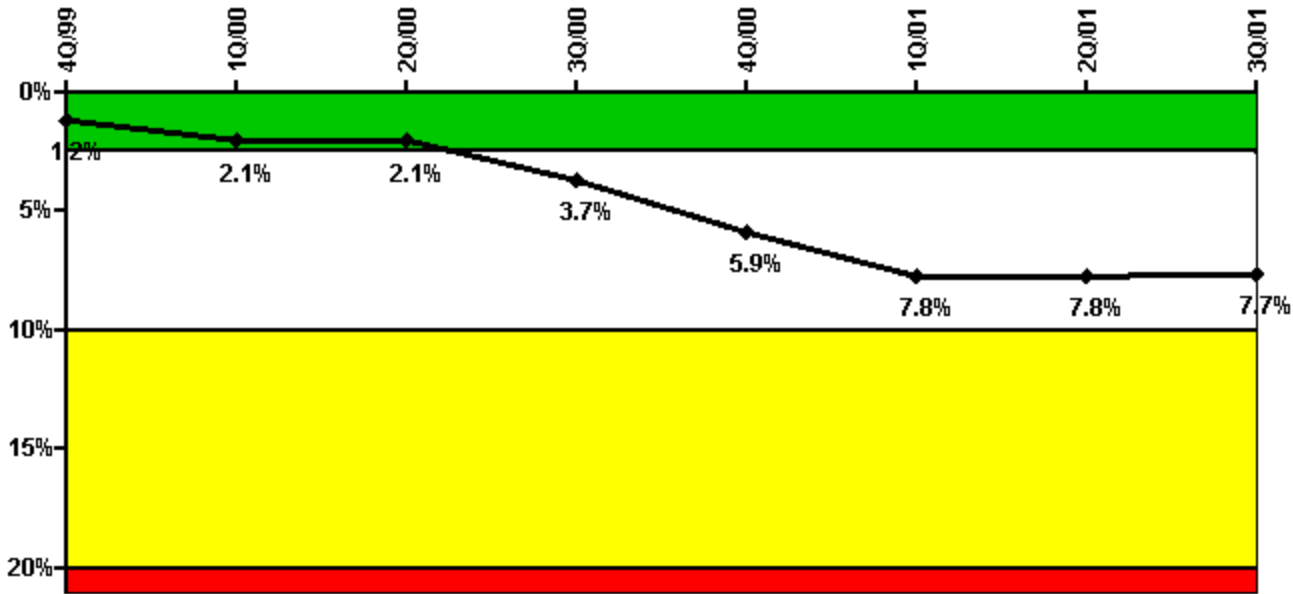
Thresholds: White > 6.0

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 | 1.0 | 0 | 0 |
| Critical hours | 2209.0 | 2184.0 | 1095.6 | 2208.0 | 2209.0 | 2160.0 | 2152.4 | 2208.0 |
| | | | | | | | | |
| Indicator value | 0.8 | 0.8 | 0.9 | 0 | 0.9 | 1.8 | 1.6 | 1.6 |

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 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 8.51 | 63.03 | 3.43 | 9.79 | 42.19 | 3.47 | 7.86 | 21.92 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0.82 | 0 |
| Fault exposure hours | 0 | 667.88 | 32.88 | 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 | 10.85 | 60.73 | 1.08 | 5.05 | 52.24 | 4.40 | 11.38 | 21.13 |
| Unplanned unavailable hours | 0 | 4.80 | 0 | 0 | 0 | 0 | 0.57 | 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 3 | | | | | | | | |
| Planned unavailable hours | 5.91 | 87.41 | 5.58 | 6.49 | 42.56 | 4.46 | 3.32 | 42.65 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 10.60 | 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 4 | | | | | | | | |
| Planned unavailable hours | 6.33 | 84.73 | 9.03 | 0 | 0 | 0 | 10.78 | 49.86 |
| Unplanned unavailable hours | 14.12 | 0 | 0 | 0 | 0 | 192.50 | 20.70 | 43.78 |
| Fault exposure hours | 0 | 0 | 0 | 2057.85 | 2209.00 | 1918.15 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 378.10 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| Indicator value | 1.2% | 2.1% | 2.1% | 3.7% | 5.9% | 7.8% | 7.8% | 7.7% |

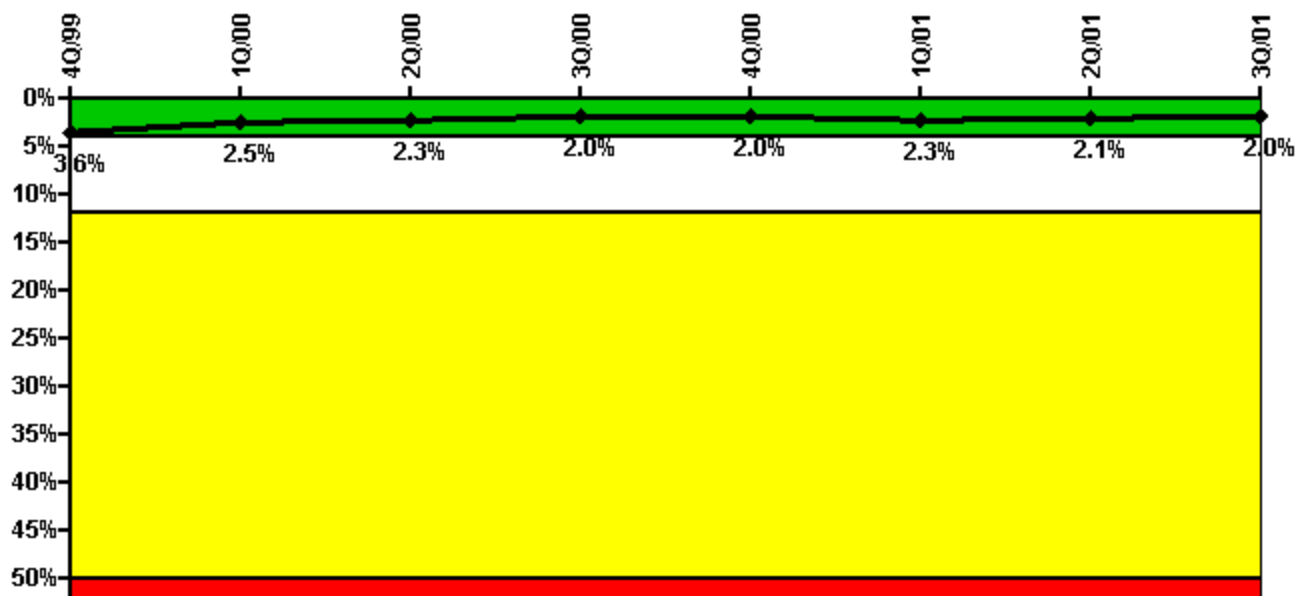
Licensee Comments:

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

Effective Reset Comments:

3Q/00: Previously reset fault exposure hours reset under process defined in RIS 2001-23 and NEI 99-02 Revision 2.

Safety System Unavailability, High Pressure Injection System (HPCI)



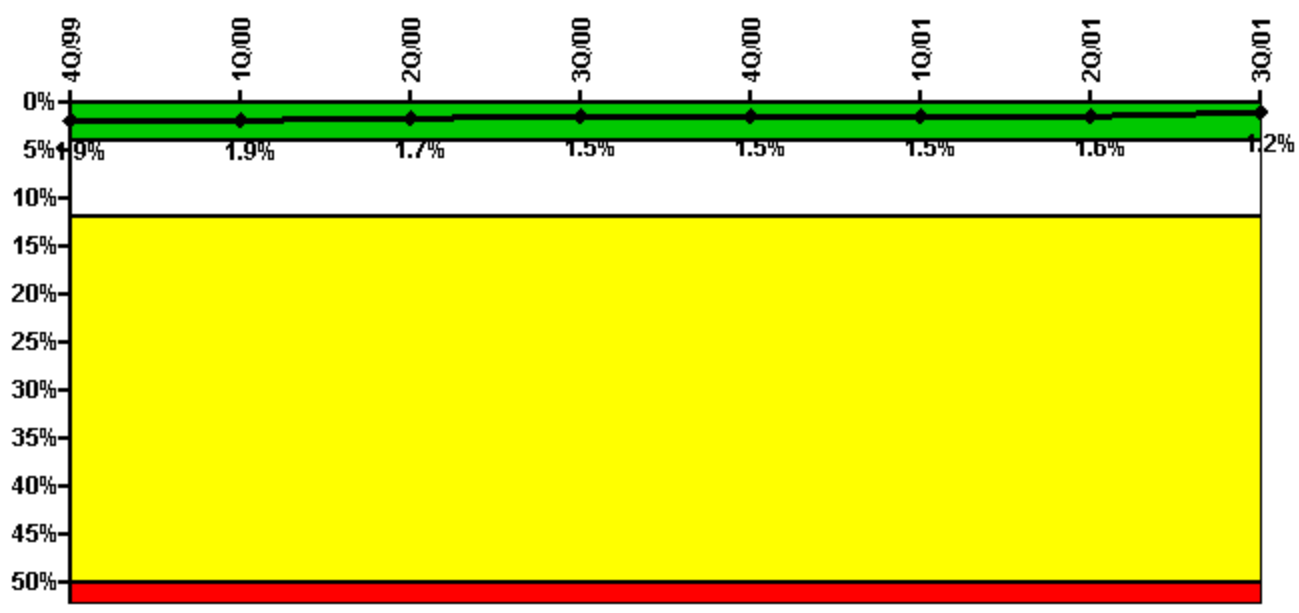
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 9.12 | 128.19 | 9.07 | 9.47 | 11.25 | 70.02 | 14.88 | 2.20 |
| Unplanned unavailable hours | 0 | 0.60 | 0 | 0 | 0 | 27.53 | 27.33 | 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 | 1095.55 | 2208.00 | 2209.00 | 2160.00 | 2152.40 | 2208.00 |
| | | | | | | | | |
| Indicator value | 3.6% | 2.5% | 2.3% | 2.0% | 2.0% | 2.3% | 2.1% | 2.0% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



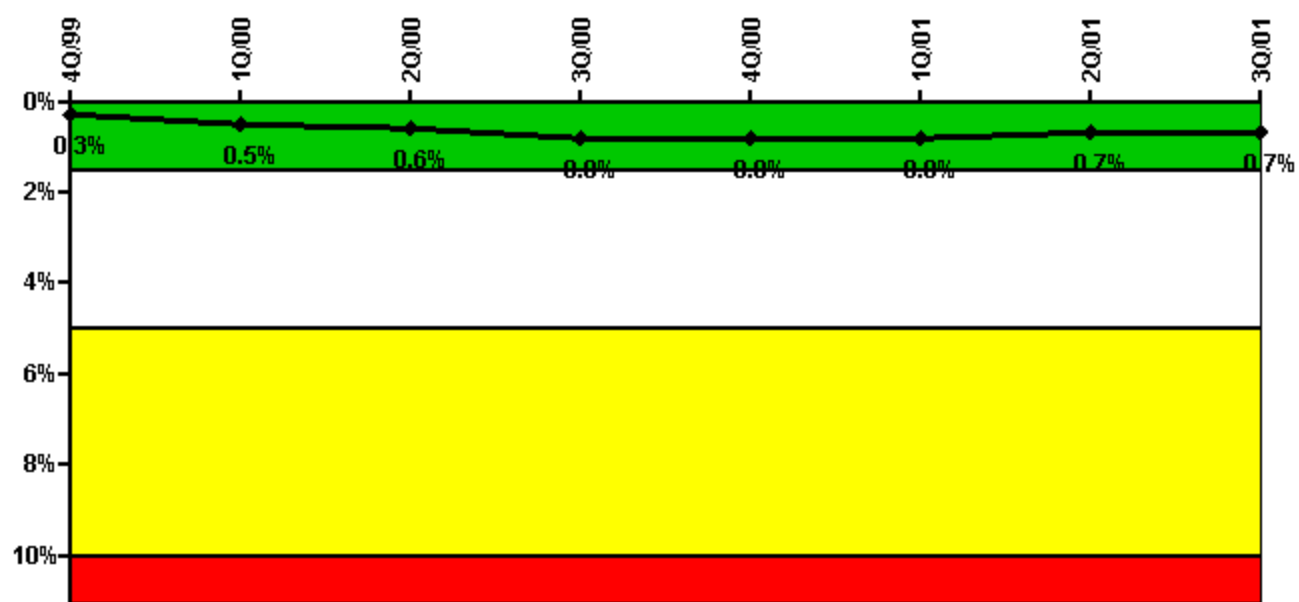
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 10.50 | 33.60 | 5.27 | 4.13 | 7.90 | 1.70 | 8.50 | 2.38 |
| Unplanned unavailable hours | 0 | 9.70 | 0.40 | 0 | 0 | 9.10 | 59.10 | 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 | 1095.55 | 2208.00 | 2209.00 | 2160.00 | 2152.40 | 2208.00 |
| Indicator value | 1.9% | 1.9% | 1.7% | 1.5% | 1.5% | 1.5% | 1.6% | 1.2% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

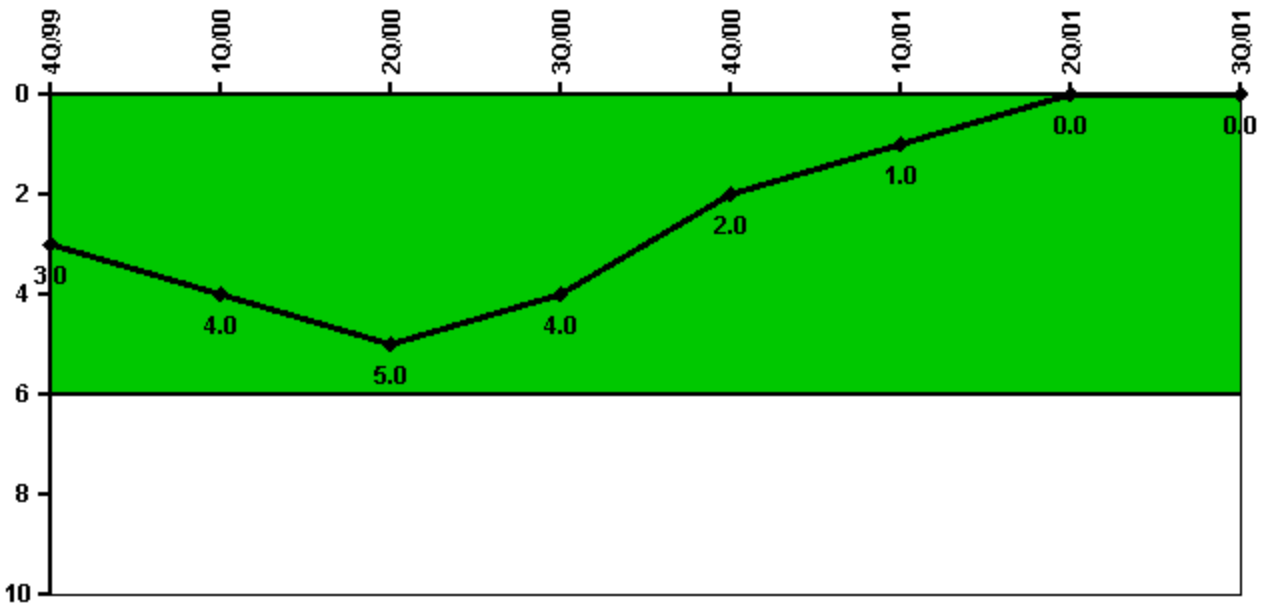
Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0.98 | 33.00 | 0 | 39.70 | 1.47 | 2.88 | 1.22 | 22.17 |
| Unplanned unavailable hours | 0 | 9.01 | 0 | 0.08 | 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 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 2.00 | 32.13 | 54.27 | 0.88 | 1.53 | 1.87 | 0.92 | 13.75 |
| Unplanned unavailable hours | 0 | 0.13 | 0 | 100.40 | 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 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| Indicator value | 0.3% | 0.5% | 0.6% | 0.8% | 0.8% | 0.8% | 0.7% | 0.7% |

Licensee Comments:

3Q/01:

Safety System Functional Failures (BWR)



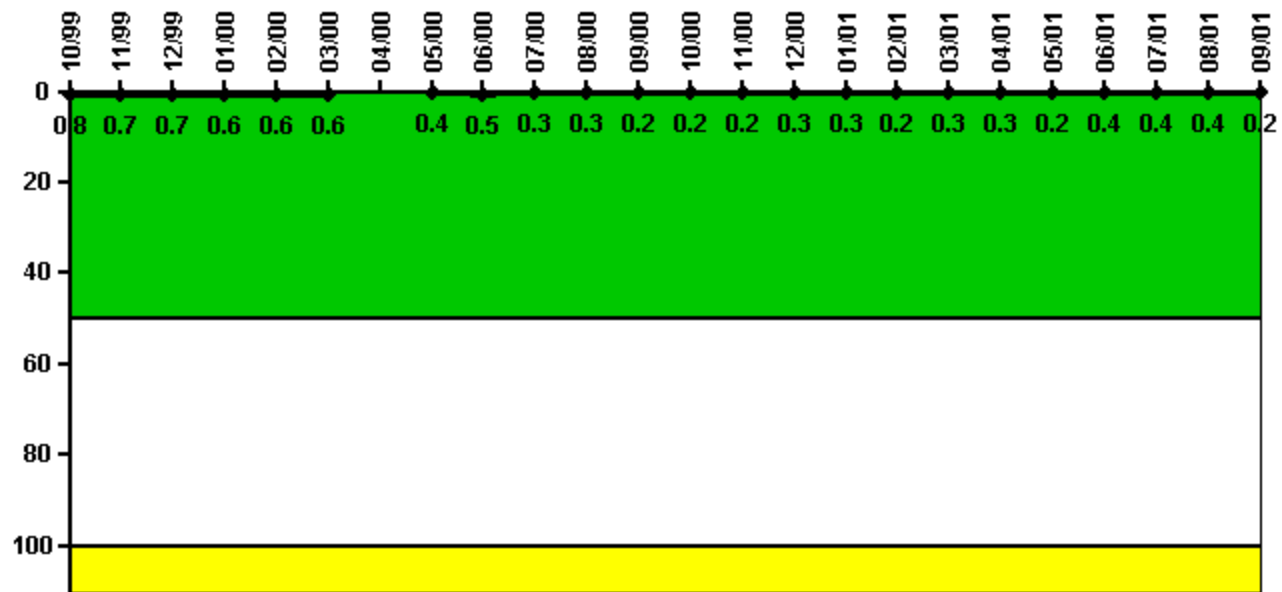
Thresholds: White > 6.0

Notes

| Safety System Functional Failures (BWR) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 3 | 4 | 5 | 4 | 2 | 1 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

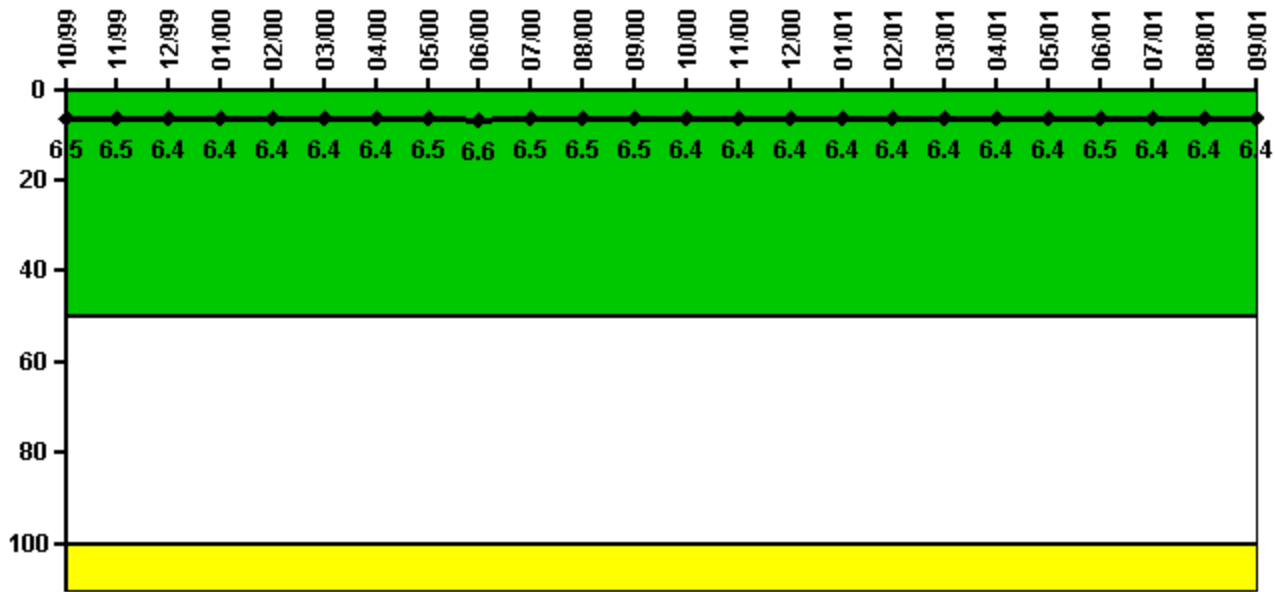
Notes

| 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 | 0.001500 | 0.001400 | 0.001300 | 0.001150 | 0.001150 | 0.001280 | N/A | 0.000809 | 0.000958 | 0.000682 | 0.000570 | 0.000492 |
| Technical specification limit | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Indicator value | 0.8 | 0.7 | 0.7 | 0.6 | 0.6 | 0.6 | N/A | 0.4 | 0.5 | 0.3 | 0.3 | 0.2 |

| 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 | 0.000475 | 0.000481 | 0.000510 | 0.000683 | 0.000488 | 0.000602 | 0.000609 | 0.000436 | 0.000826 | 0.000739 | 0.000703 | 0.000425 |
| Technical specification limit | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Indicator value | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 | 0.4 | 0.2 |

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

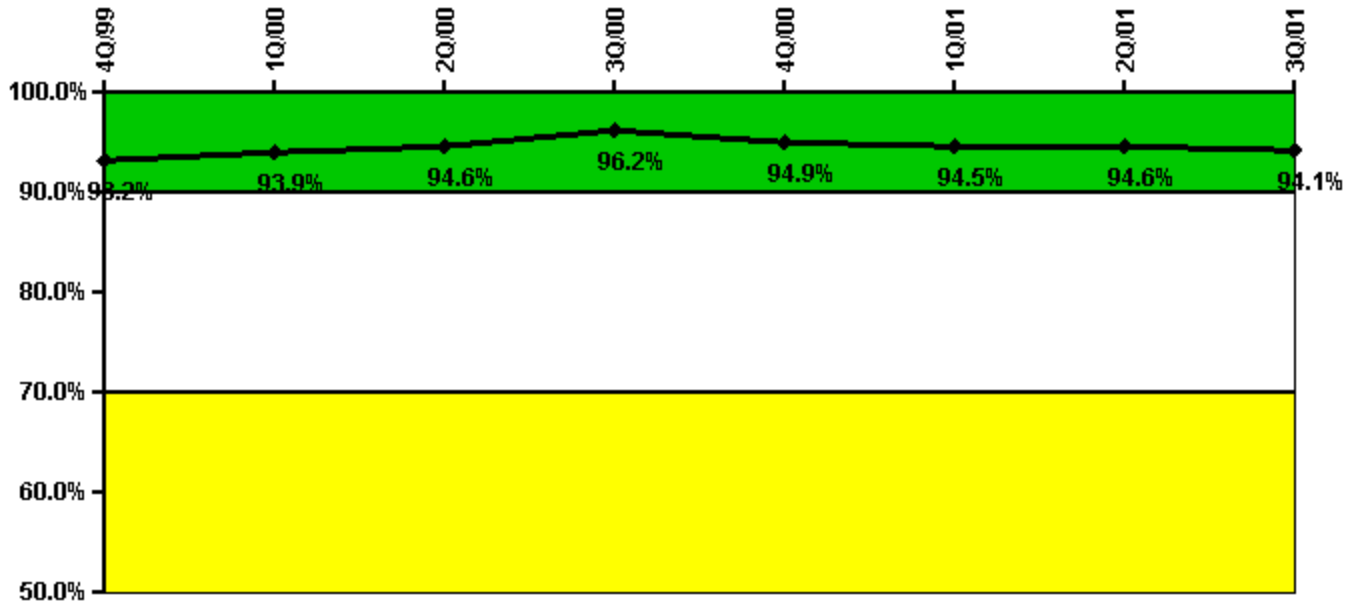
Notes

| 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 | 1.620 | 1.630 | 1.600 | 1.600 | 1.610 | 1.610 | 1.590 | 1.630 | 1.640 | 1.620 | 1.620 | 1.620 |
| Technical specification limit | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| Indicator value | 6.5 | 6.5 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.5 | 6.6 | 6.5 | 6.5 | 6.5 |

| 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 | 1.610 | 1.610 | 1.610 | 1.610 | 1.610 | 1.610 | 1.610 | 1.610 | 1.620 | 1.610 | 1.610 | 1.610 |
| Technical specification limit | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| Indicator value | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.5 | 6.4 | 6.4 | 6.4 |

Licensee Comments: none

Drill/Exercise Performance



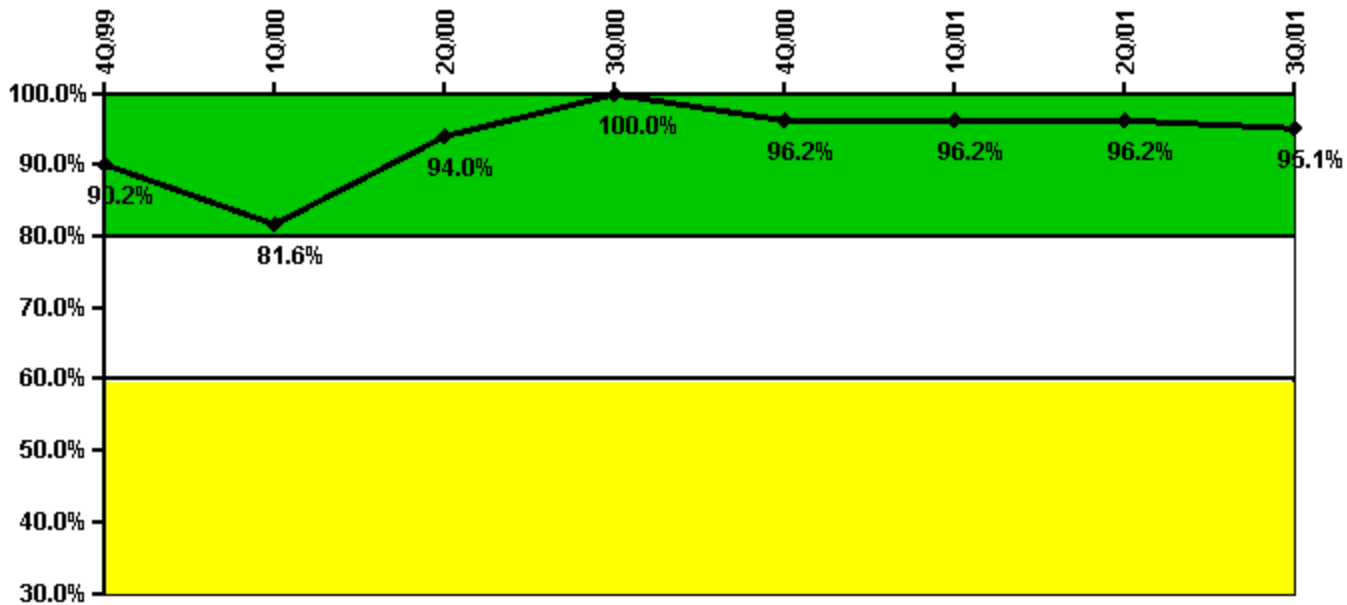
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 10.0 | 0 | 38.0 | 56.0 | 51.0 | 21.0 | 30.0 | 33.0 |
| Total opportunities | 10.0 | 0 | 38.0 | 57.0 | 56.0 | 23.0 | 32.0 | 38.0 |
| | | | | | | | | |
| Indicator value | 93.2% | 93.9% | 94.6% | 96.2% | 94.9% | 94.5% | 94.6% | 94.1% |

Licensee Comments: none

ERO Drill Participation



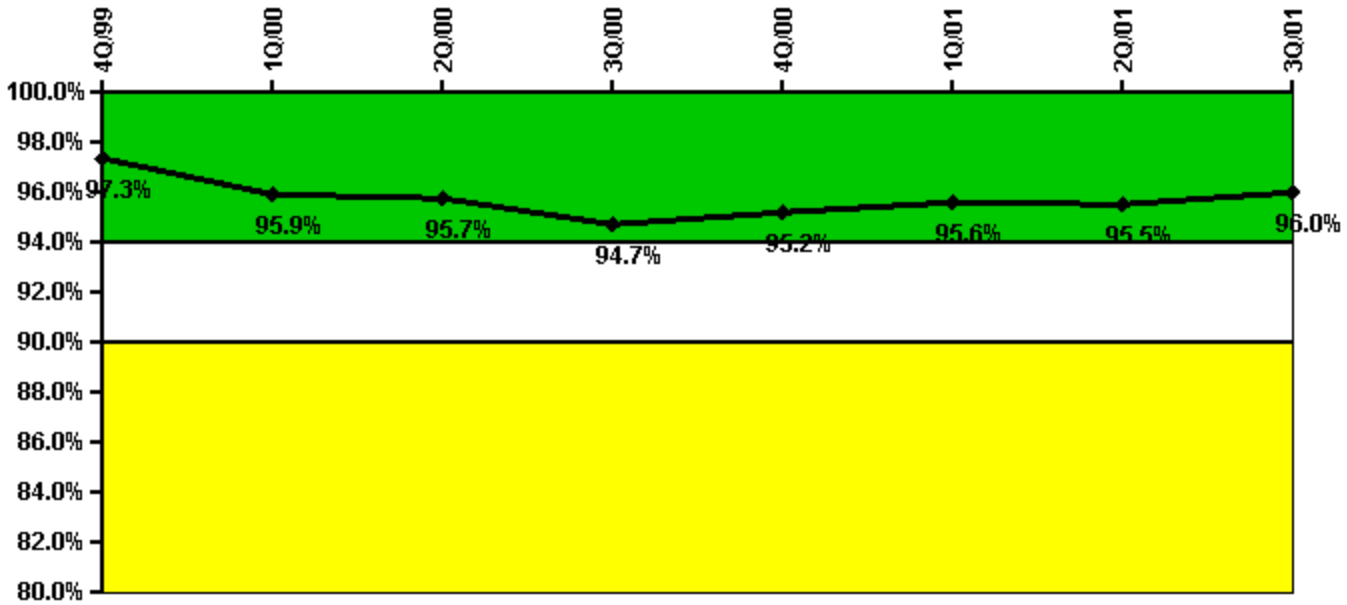
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|-----------------------------|-------|-------|-------|--------|-------|-------|-------|-------|
| Participating Key personnel | 46.0 | 40.0 | 47.0 | 52.0 | 51.0 | 51.0 | 51.0 | 58.0 |
| Total Key personnel | 51.0 | 49.0 | 50.0 | 52.0 | 53.0 | 53.0 | 53.0 | 61.0 |
| | | | | | | | | |
| Indicator value | 90.2% | 81.6% | 94.0% | 100.0% | 96.2% | 96.2% | 96.2% | 95.1% |

Licensee Comments: none

Alert & Notification System



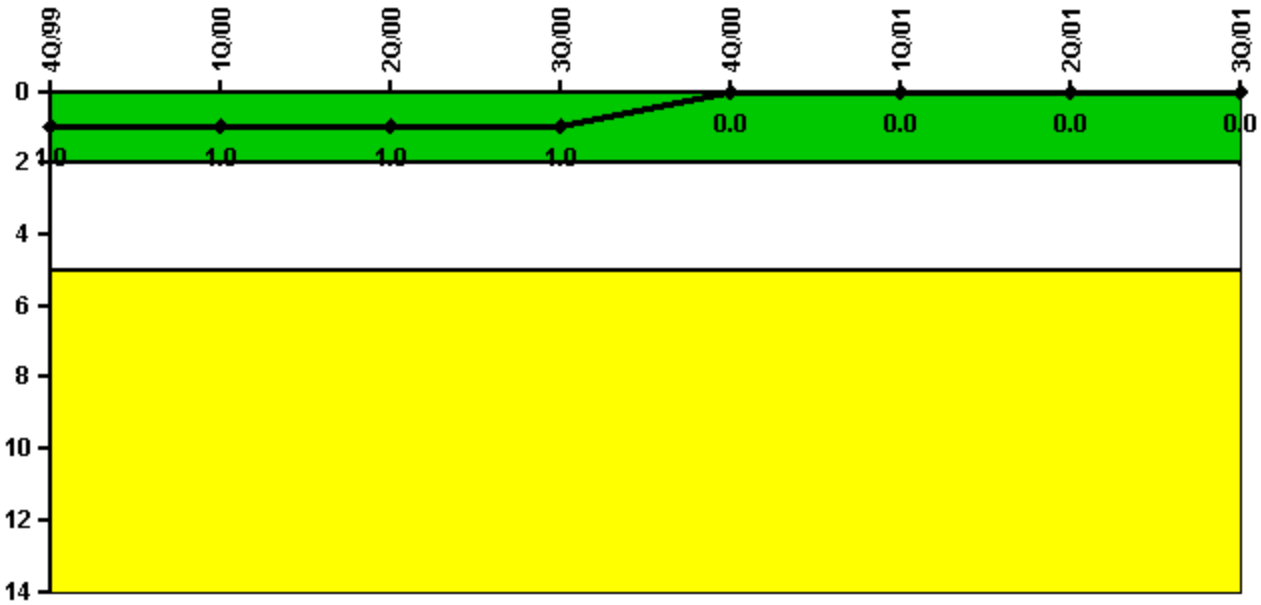
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 163 | 337 | 343 | 330 | 338 | 342 | 342 | 338 |
| Total sirens-tests | 177 | 354 | 354 | 354 | 354 | 354 | 354 | 354 |
| Indicator value | 97.3% | 95.9% | 95.7% | 94.7% | 95.2% | 95.6% | 95.5% | 96.0% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

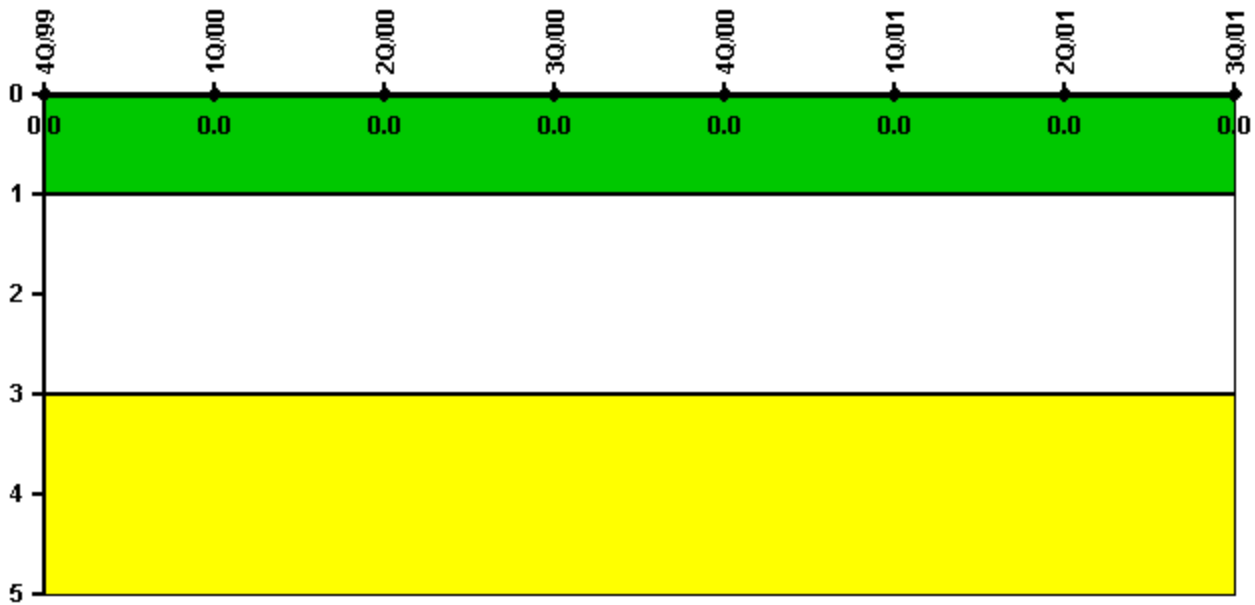
Notes

| Occupational Exposure Control Effectiveness | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences | 1 | 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 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |

Licensee Comments:

3Q/01:

RETS/ODCM Radiological Effluent



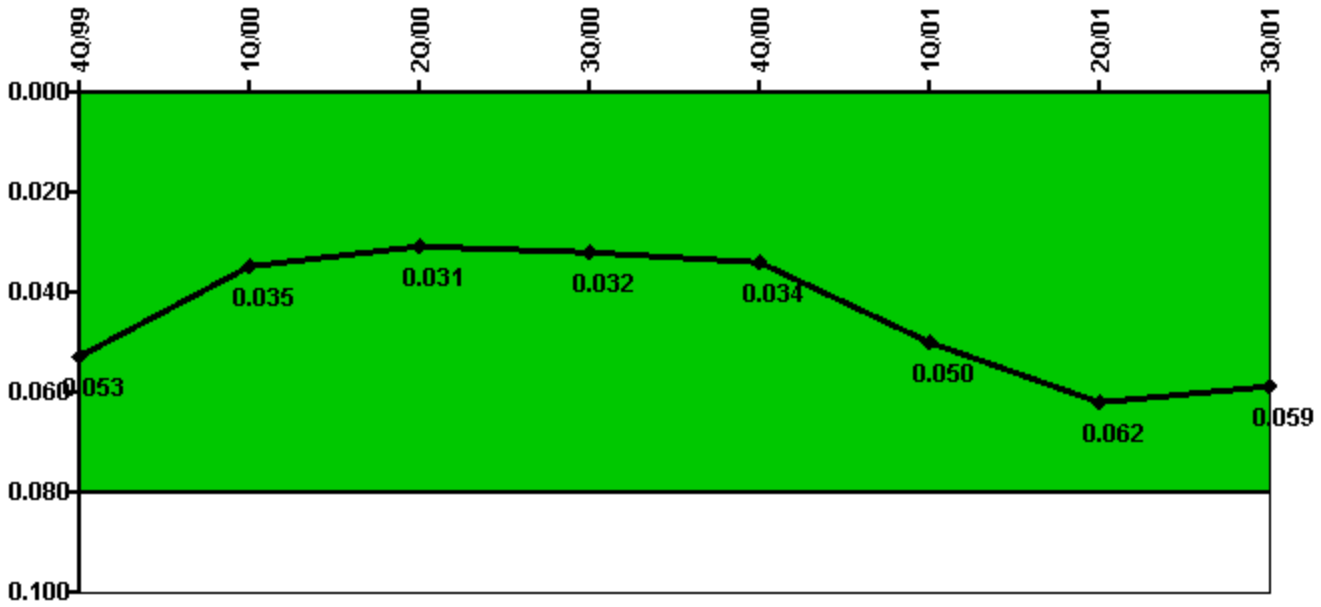
Thresholds: White > 1.0 Yellow > 3.0

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



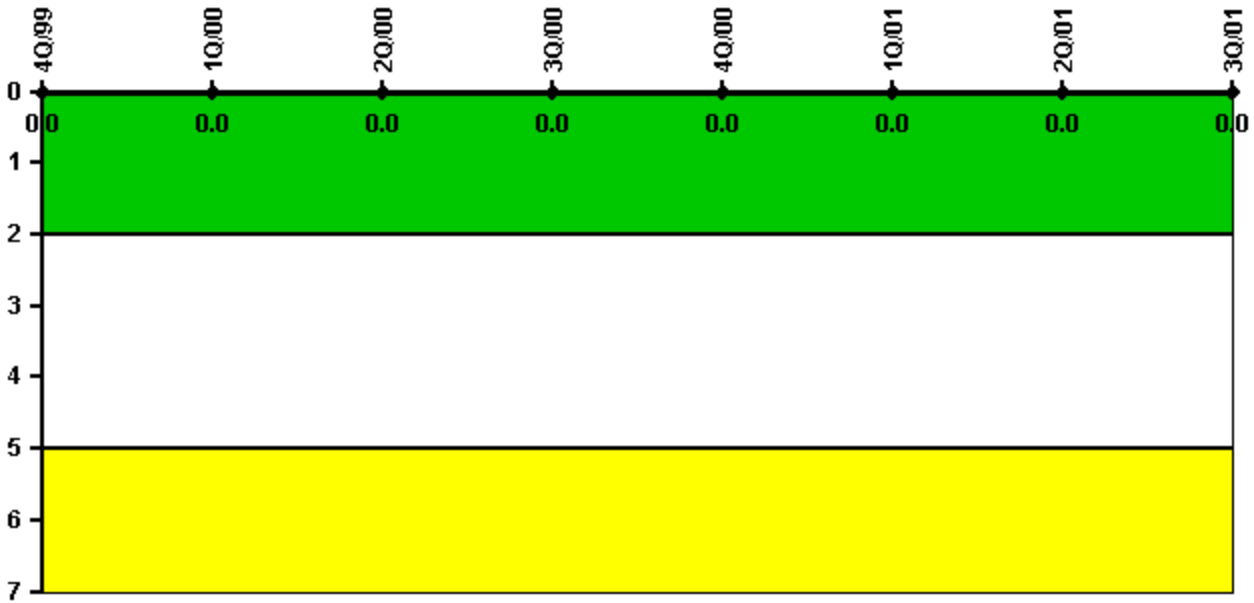
Thresholds: White > 0.080

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 | 315.12 | 232.30 | 145.16 | 379.60 | 180.50 | 417.17 | 388.05 | 281.75 |
| CCTV compensatory hours | 0.2 | 0.1 | 1.0 | 0 | 98.6 | 188.1 | 78.9 | 1.0 |
| IDS normalization factor | 1.90 | 1.92 | 1.92 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 |
| CCTV normalization factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |
| Index Value | 0.053 | 0.035 | 0.031 | 0.032 | 0.034 | 0.050 | 0.062 | 0.059 |

Licensee Comments: none

Personnel Screening Program



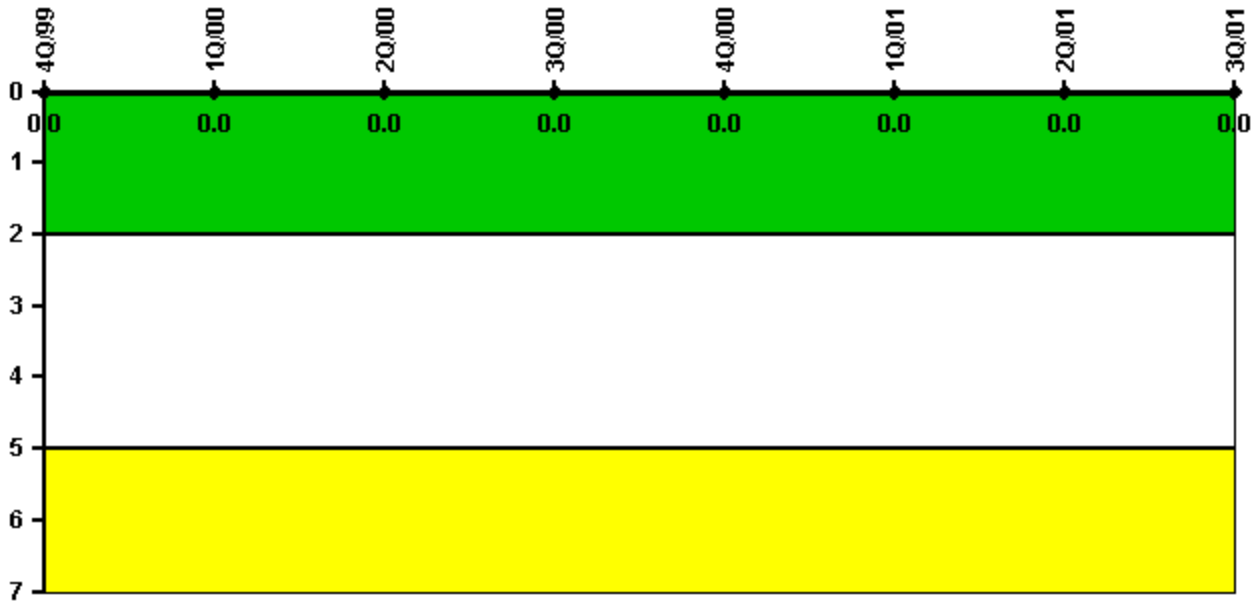
Thresholds: White > 2.0 Yellow > 5.0

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