

Prairie Island 2

1Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



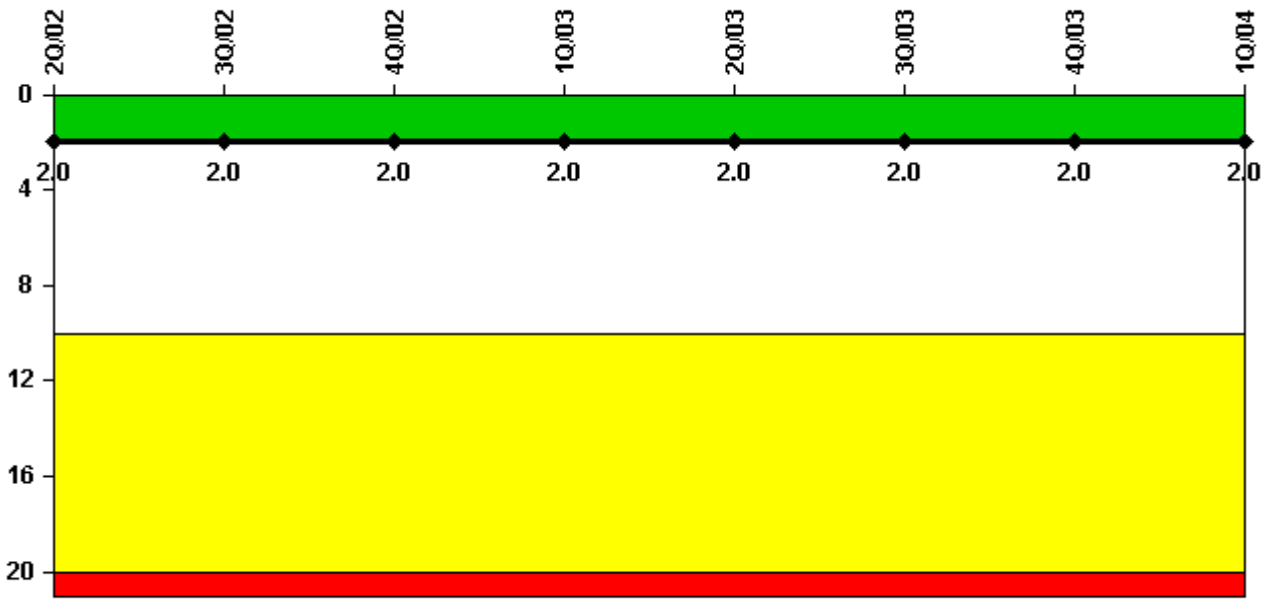
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 1774.0 | 2003.6 | 2184.0 |
| Indicator value | 0.9 | 0.9 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



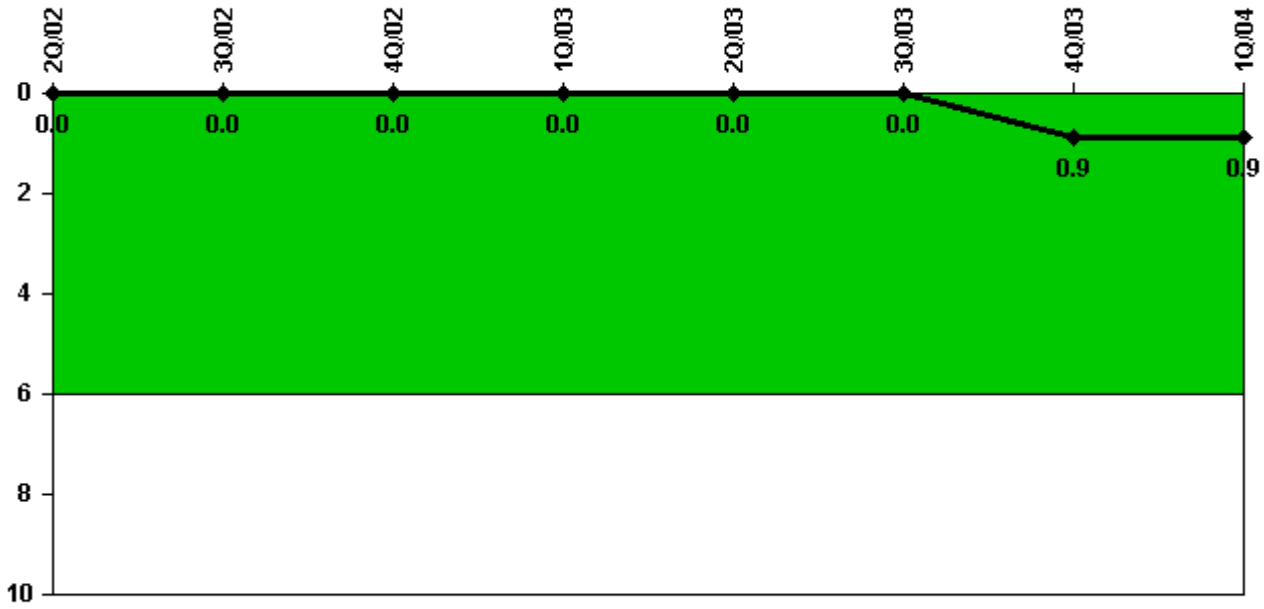
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



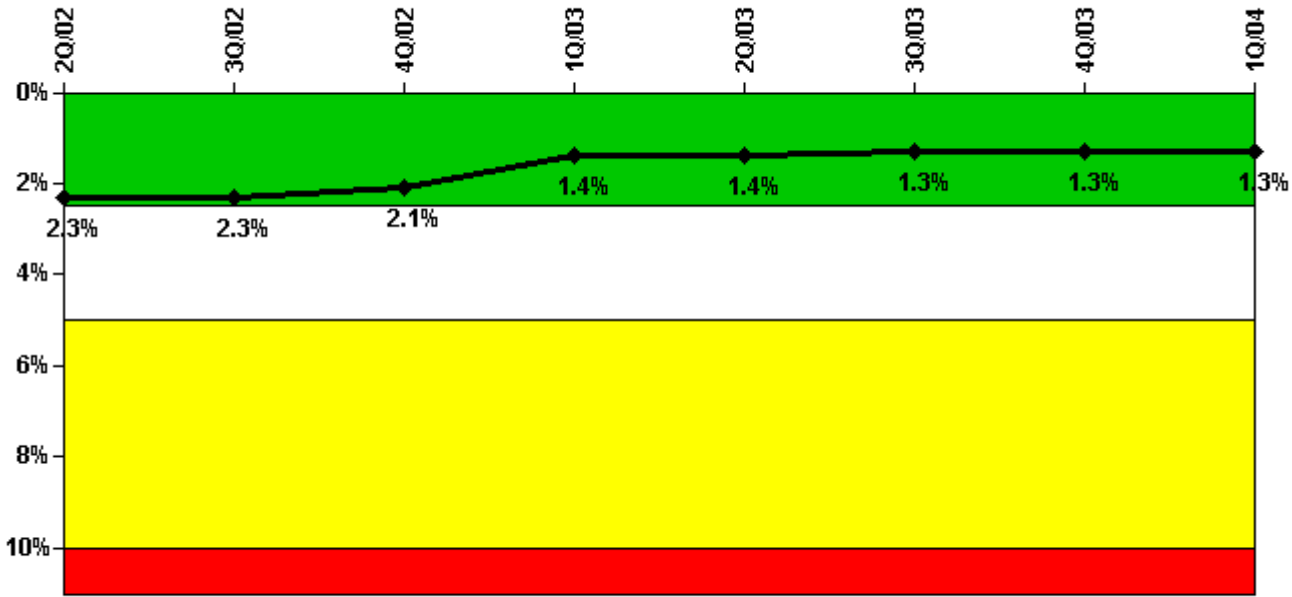
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 1774.0 | 2003.6 | 2184.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0.9 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



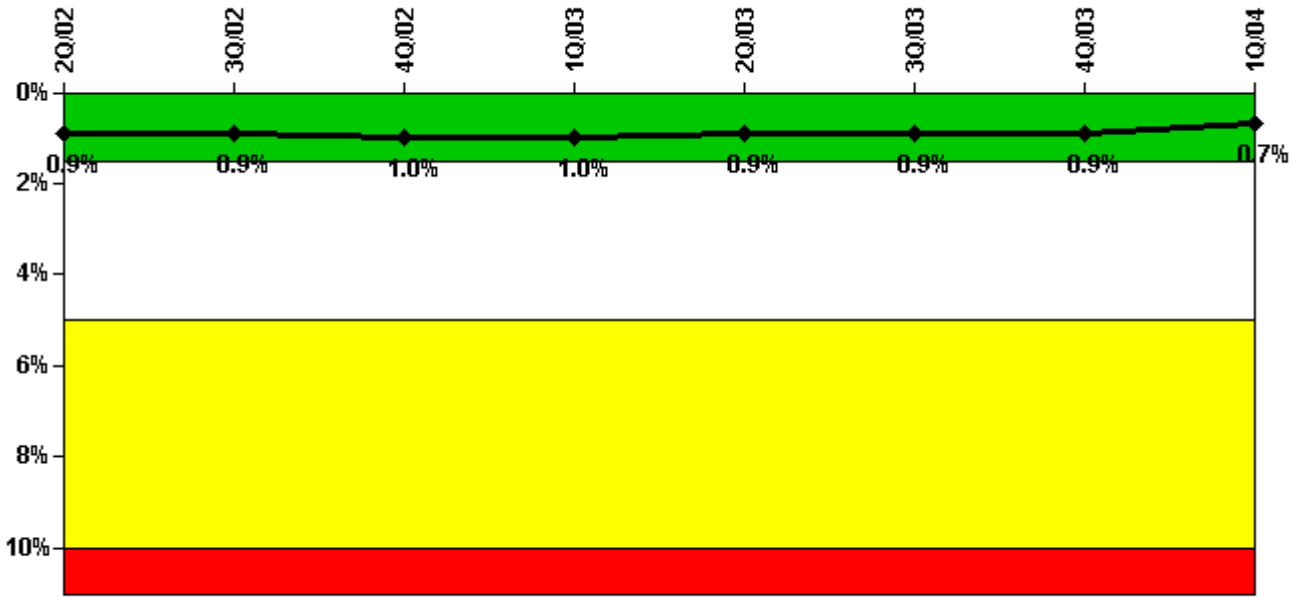
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Emergency AC Power | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 15.73 | 3.55 | 4.15 | 18.25 | 0 | 0 | 0 | 29.78 |
| 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 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 15.67 | 1.42 | 14.60 | 0 | 0 | 0 | 0 | 16.30 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 30.02 | 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 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| Indicator value | 2.3% | 2.3% | 2.1% | 1.4% | 1.4% | 1.3% | 1.3% | 1.3% |

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



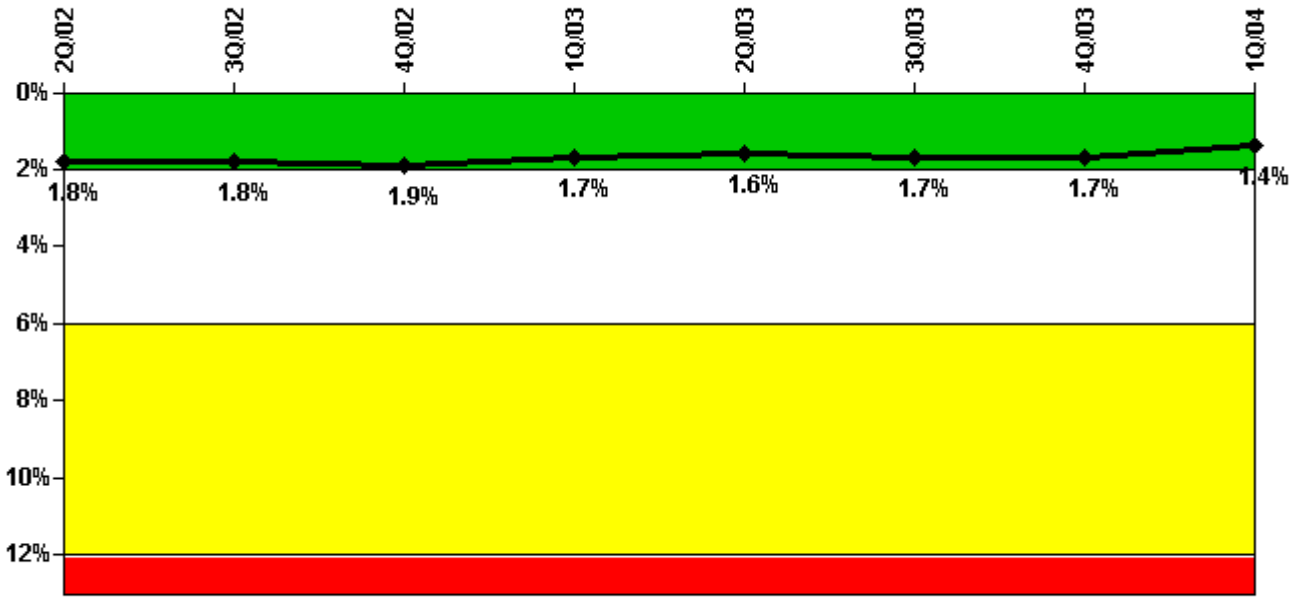
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 7.72 | 9.17 | 0 | 13.91 | 7.65 | 23.33 | 0.25 | 14.80 |
| Unplanned unavailable hours | 13.40 | 0 | 0 | 17.68 | 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 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 1774.00 | 2003.60 | 2184.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 14.48 | 2.69 | 13.62 | 3.33 | 11.55 | 5.74 | 16.32 | 5.50 |
| Unplanned unavailable hours | 0 | 0 | 17.10 | 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 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 1774.00 | 2003.60 | 2184.00 |
| Indicator value | 0.9% | 0.9% | 1.0% | 1.0% | 0.9% | 0.9% | 0.9% | 0.7% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



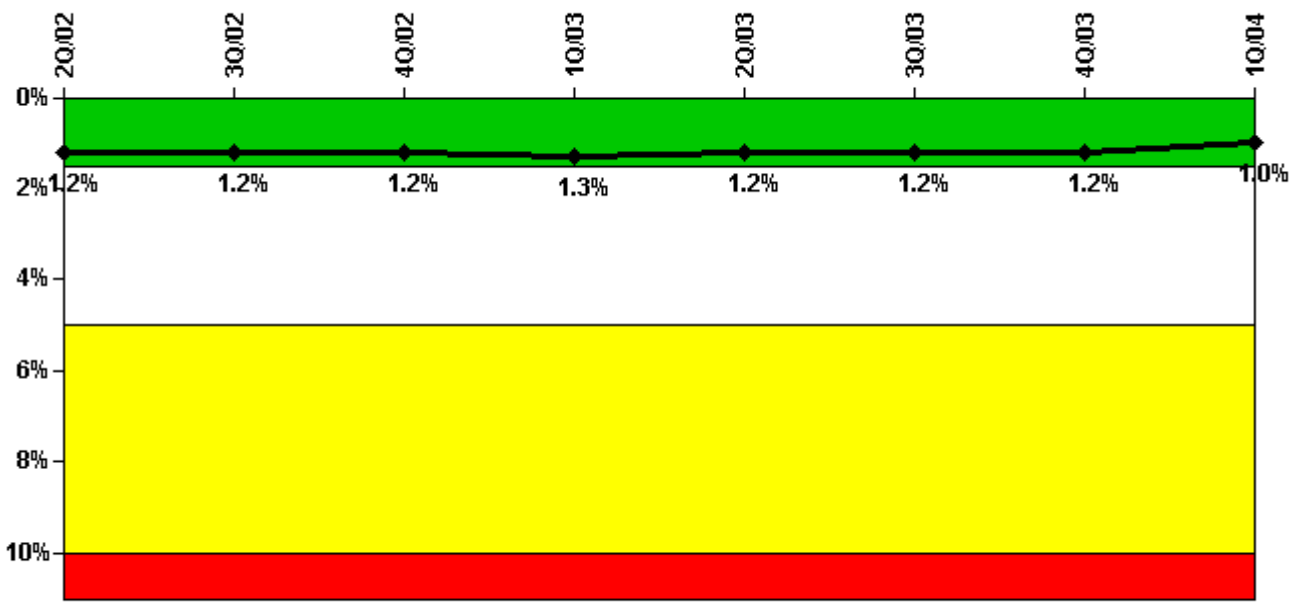
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

| Safety System Unavailability, Heat Removal System (AFW) | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 5.94 | 7.25 | 1.52 | 3.44 | 4.27 | 4.25 | 2.52 | 16.97 |
| Unplanned unavailable hours | 13.40 | 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 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 1774.00 | 2003.60 | 2184.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 6.46 | 3.24 | 5.70 | 0.82 | 7.32 | 0.93 | 59.37 | 0.87 |
| Unplanned unavailable hours | 0 | 0 | 17.10 | 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 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 1774.00 | 2003.60 | 2184.00 |
| Indicator value | 1.8% | 1.8% | 1.9% | 1.7% | 1.6% | 1.7% | 1.7% | 1.4% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



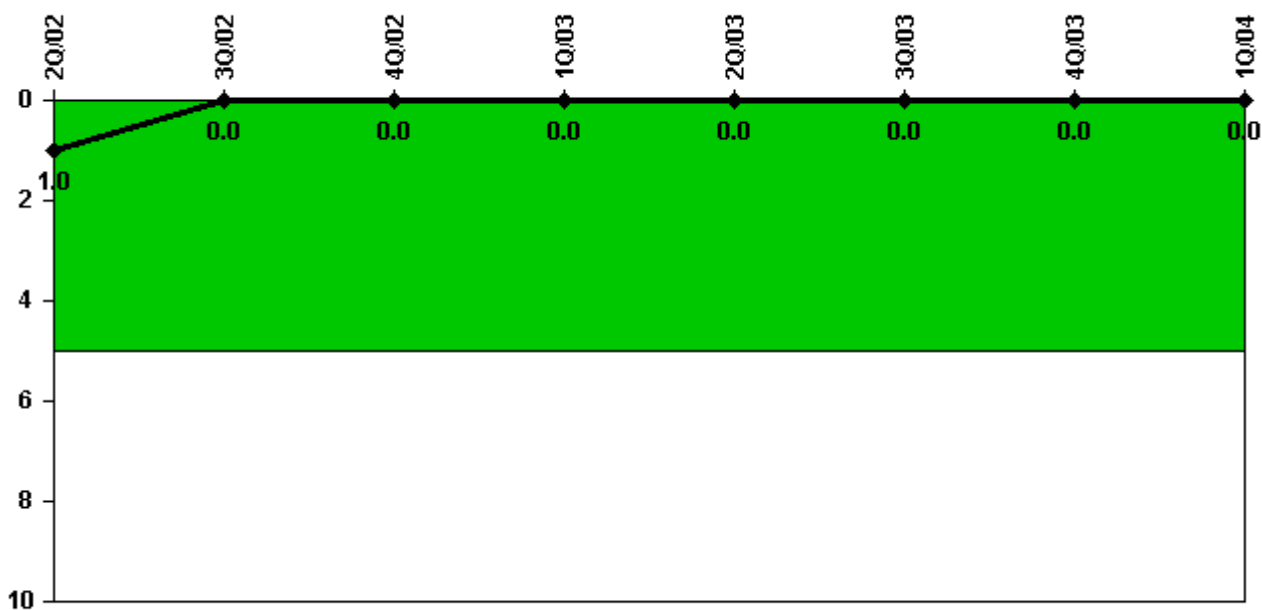
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Residual Heat Removal System | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 8.20 | 15.35 | 3.27 | 13.43 | 9.33 | 32.93 | 3.81 | 16.88 |
| Unplanned unavailable hours | 13.40 | 0 | 0 | 17.68 | 5.95 | 0 | 34.25 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 1.00 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 14.48 | 16.74 | 17.43 | 3.31 | 13.35 | 10.75 | 21.74 | 7.00 |
| Unplanned unavailable hours | 0 | 0 | 17.10 | 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 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| Indicator value | 1.2% | 1.2% | 1.2% | 1.3% | 1.2% | 1.2% | 1.2% | 1.0% |

Licensee Comments: none

Safety System Functional Failures (PWR)



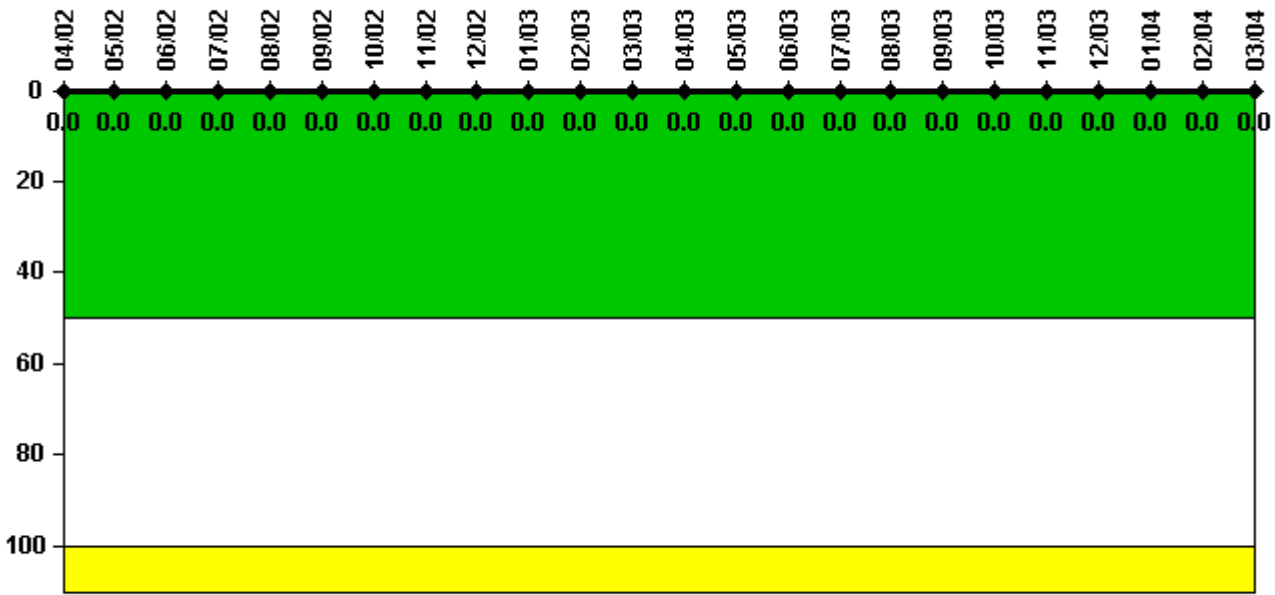
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

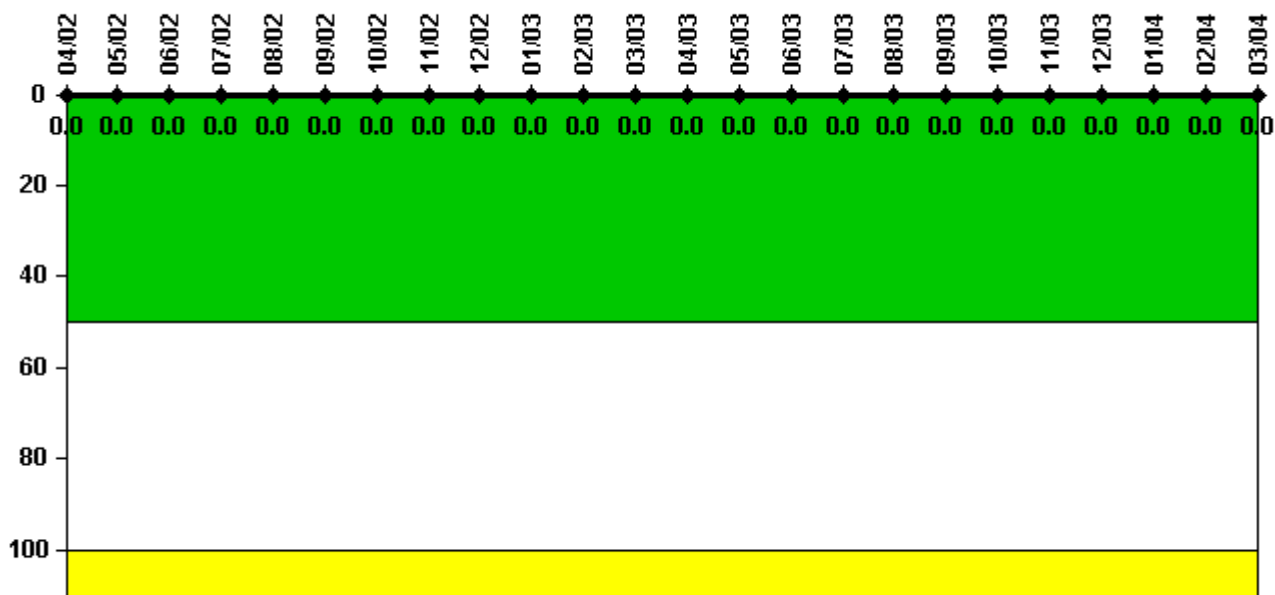
Notes

| Reactor Coolant System Activity | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000220 | 0.000240 | 0.000260 | 0.000260 | 0.000340 | 0.000280 | 0.000290 | 0.000330 | 0.000310 | 0.000330 | 0.000320 | 0.000330 |
| 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 | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 | 10/03 | 11/03 | 12/03 | 1/04 | 2/04 | 3/04 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000370 | 0.000350 | 0.000360 | 0.000380 | 0.000370 | 0.000320 | 0.000180 | 0.000190 | 0.000210 | 0.000240 | 0.000220 | 0.000230 |
| 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

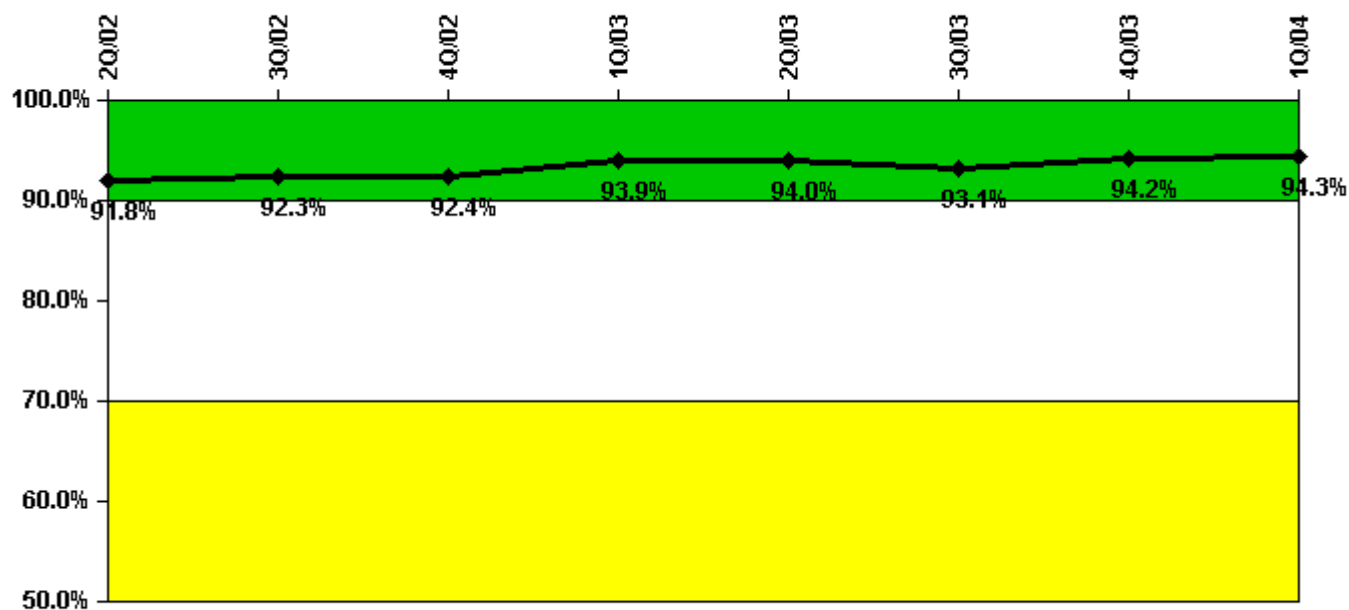
Notes

| Reactor Coolant System Leakage | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 |
|--------------------------------|------|------|------|------|------|------|-------|-------|-------|------|------|------|
| 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 | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 | 10/03 | 11/03 | 12/03 | 1/04 | 2/04 | 3/04 |
|--------------------------------|------|------|------|------|------|------|-------|-------|-------|------|------|------|
| 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 |

Licensee Comments: none

Drill/Exercise Performance



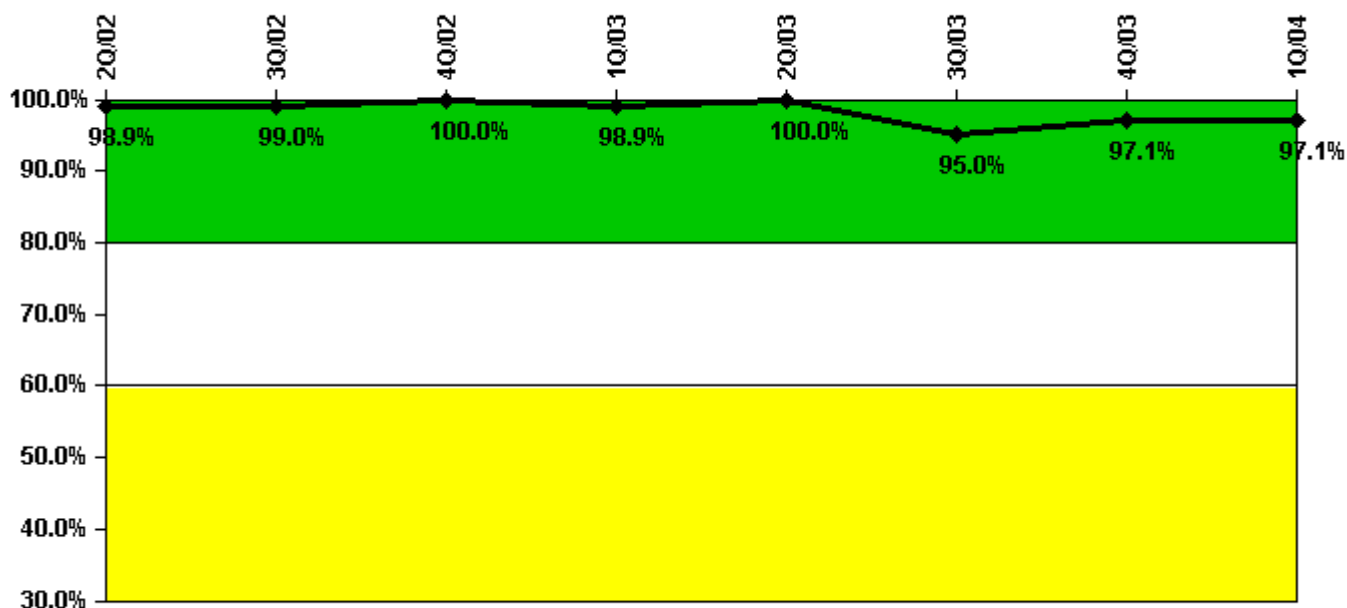
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 35.0 | 39.0 | 34.0 | 28.0 | 26.0 | 24.0 | 27.0 | 18.0 |
| Total opportunities | 39.0 | 39.0 | 36.0 | 29.0 | 27.0 | 27.0 | 29.0 | 19.0 |
| | | | | | | | | |
| Indicator value | 91.8% | 92.3% | 92.4% | 93.9% | 94.0% | 93.1% | 94.2% | 94.3% |

Licensee Comments: none

ERO Drill Participation



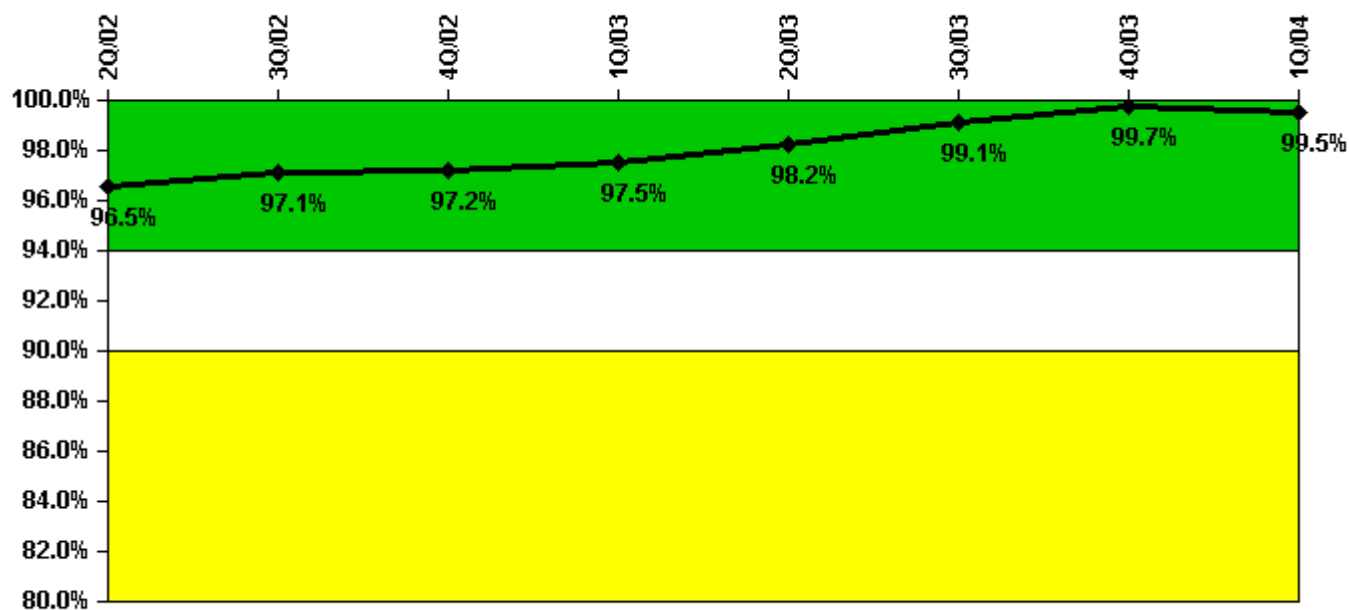
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|-----------------------------|-------|-------|--------|-------|--------|-------|-------|-------|
| Participating Key personnel | 89.0 | 100.0 | 99.0 | 94.0 | 98.0 | 95.0 | 102.0 | 101.0 |
| Total Key personnel | 90.0 | 101.0 | 99.0 | 95.0 | 98.0 | 100.0 | 105.0 | 104.0 |
| | | | | | | | | |
| Indicator value | 98.9% | 99.0% | 100.0% | 98.9% | 100.0% | 95.0% | 97.1% | 97.1% |

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

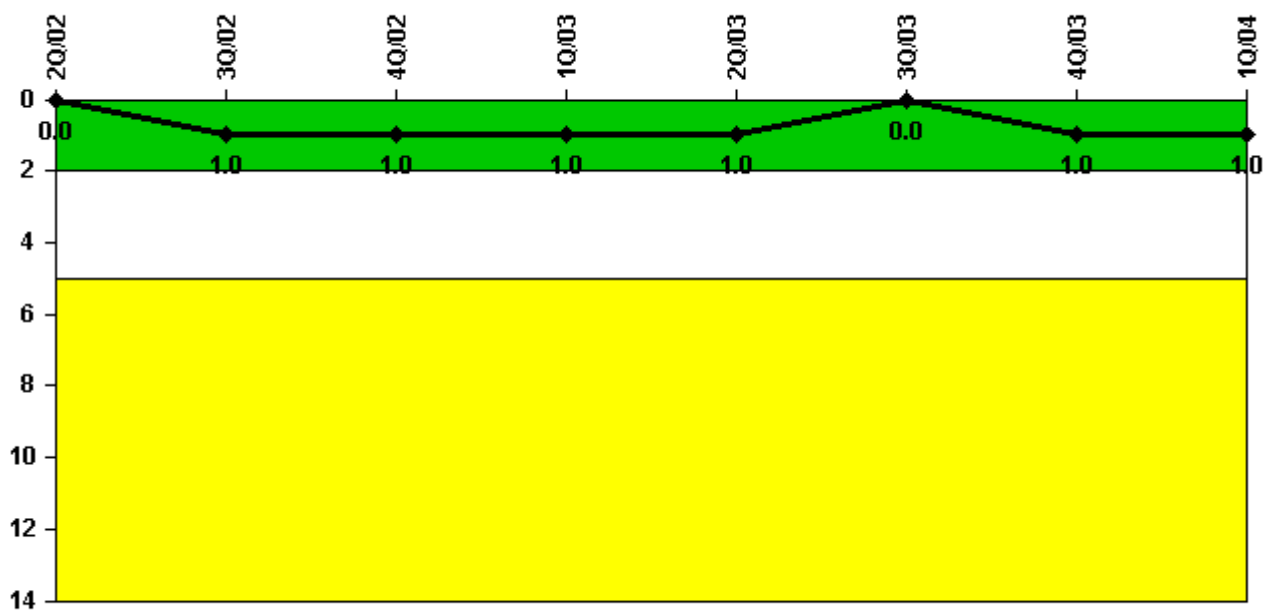
Notes

| Alert & Notification System | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 304 | 303 | 308 | 314 | 312 | 315 | 1152 | 1354 |
| Total sirens-tests | 315 | 315 | 315 | 315 | 315 | 315 | 1155 | 1365 |
| | | | | | | | | |
| Indicator value | 96.5% | 97.1% | 97.2% | 97.5% | 98.2% | 99.1% | 99.7% | 99.5% |

Licensee Comments:

4Q/03: The siren testing program (silent tests & wail tests) has not changed. Beginning the last week of October 2003, the results of the silent tests are now included in this PI.

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 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 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



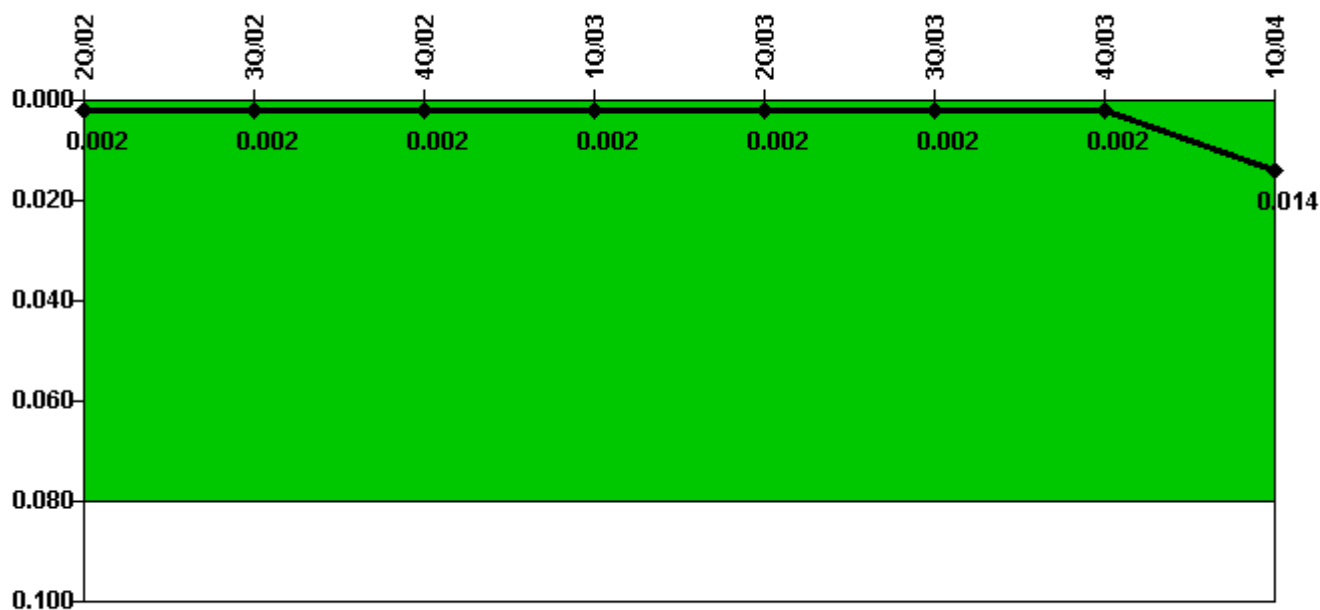
Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 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



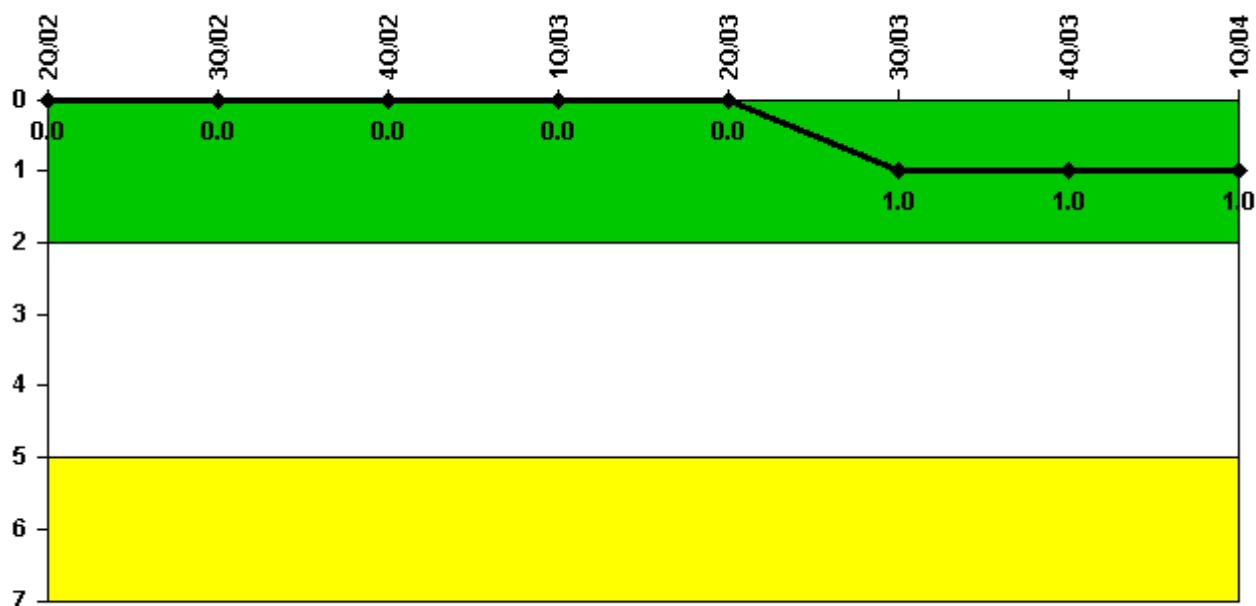
Thresholds: White > 0.080

Notes

| Protected Area Security Performance Index | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| IDS compensatory hours | 8.94 | 10.12 | 4.69 | 10.87 | 10.81 | 7.84 | 0.63 | 247.04 |
| CCTV compensatory hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |
| Index Value | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.014 |

Licensee Comments: none

Personnel Screening Program



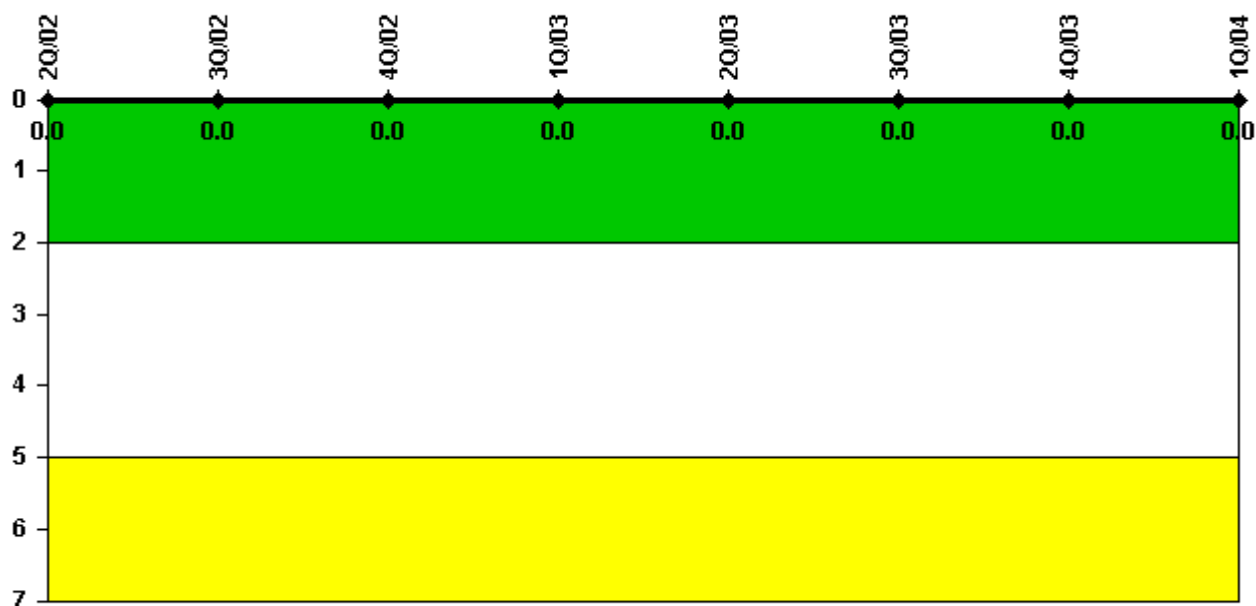
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Personnel Screening Program | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Program failures | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | | | | | | | | |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

| FFD/Personnel Reliability | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 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](#) | [Reactor Oversight Process](#)

Last Modified: April 22, 2004