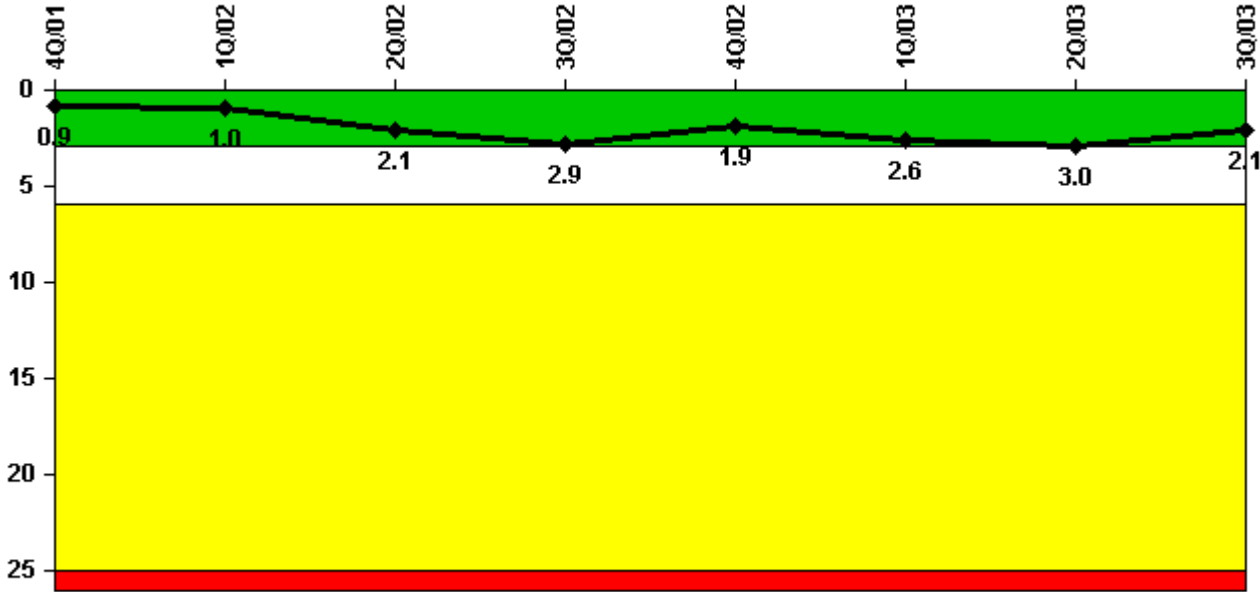


D.C. Cook 2

3Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



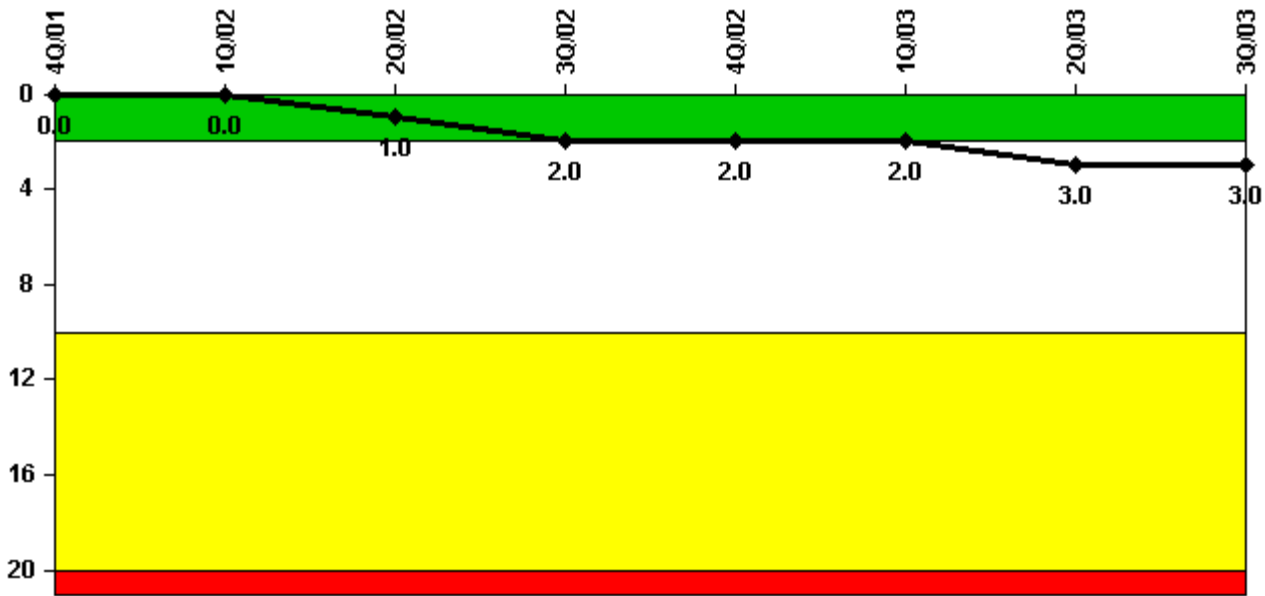
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|--|--------|--------|--------|--------|--------|--------|-------|--------|
| Unplanned scrams | 1.0 | 0 | 1.0 | 1.0 | 0 | 1.0 | 1.0 | 0 |
| Critical hours | 2008.0 | 1261.5 | 1965.5 | 2027.5 | 2209.0 | 1884.6 | 824.0 | 1832.1 |
| | | | | | | | | |
| Indicator value | 0.9 | 1.0 | 2.1 | 2.9 | 1.9 | 2.6 | 3.0 | 2.1 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

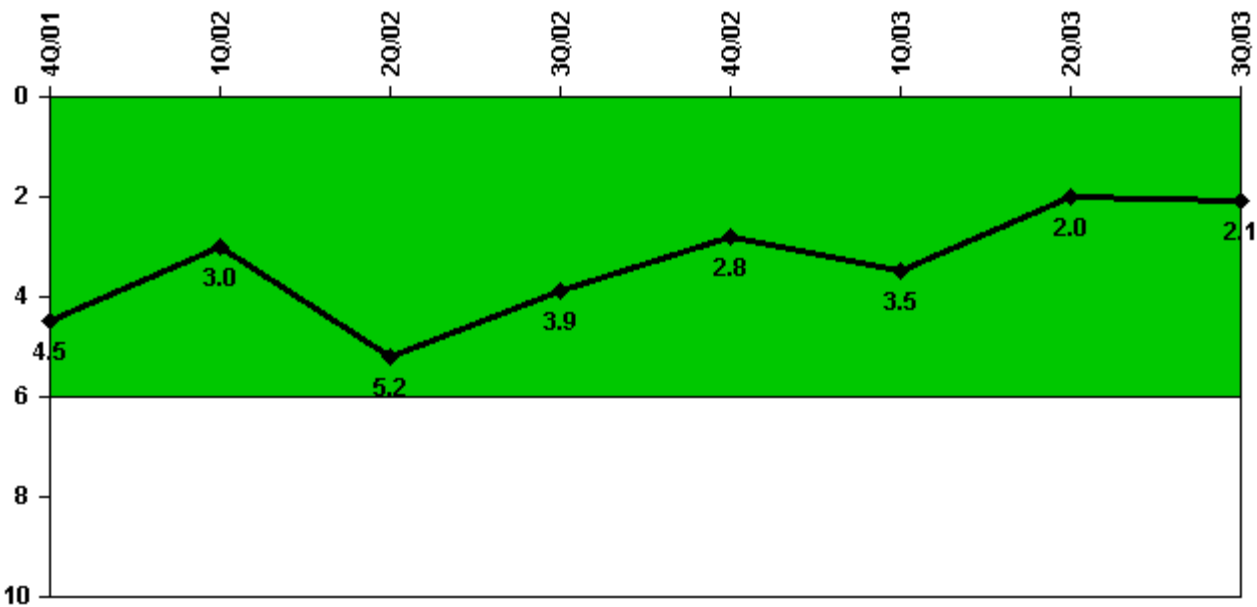
Notes

| Scrams with Loss of Normal Heat Removal | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams | 0 | 0 | 1.0 | 1.0 | 0 | 0 | 1.0 | 0 |
| Indicator value | 0 | 0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 |

Licensee Comments:

3Q/03: One frequently asked question (FAQ) that was previously submitted was dispositioned to count against this performance indicator as a scram with loss of normal heat removal in the 3rd quarter of 2002. One FAQ that was previously submitted is still open. Disposition of this FAQ is required to evaluate two reactor scrams.

Unplanned Power Changes per 7000 Critical Hrs



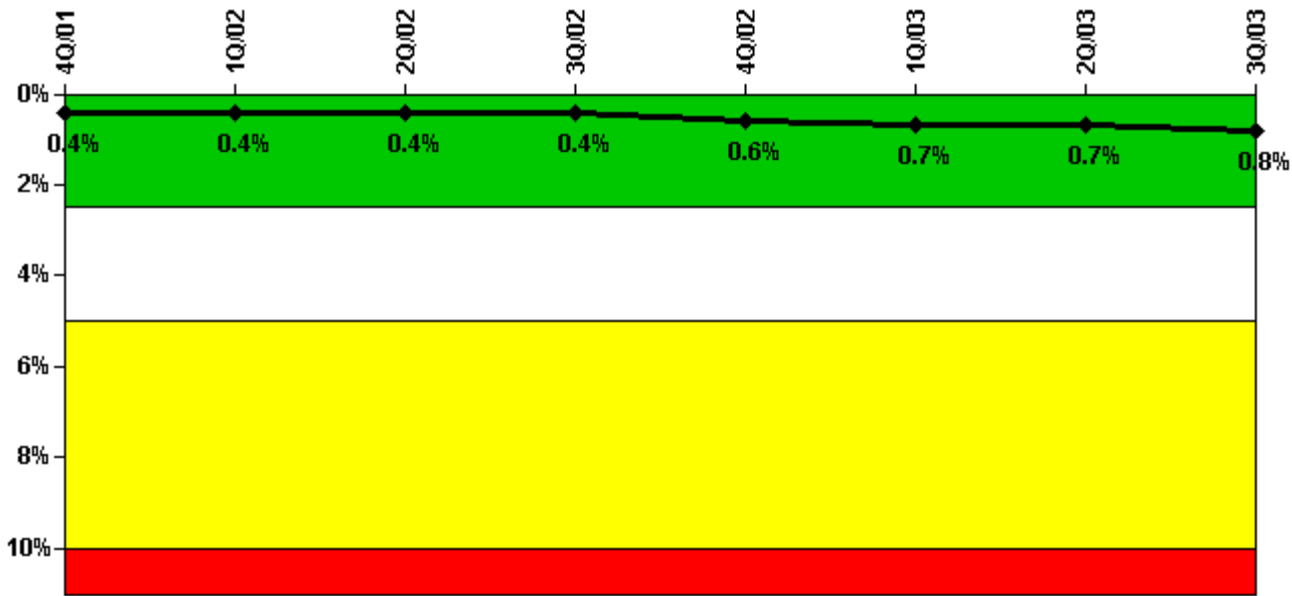
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|--------|--------|--------|--------|--------|--------|-------|--------|
| Unplanned power changes | 1.0 | 0 | 2.0 | 1.0 | 0 | 1.0 | 0 | 1.0 |
| Critical hours | 2008.0 | 1261.5 | 1965.5 | 2027.5 | 2209.0 | 1884.6 | 824.0 | 1832.1 |
| | | | | | | | | |
| Indicator value | 4.5 | 3.0 | 5.2 | 3.9 | 2.8 | 3.5 | 2.0 | 2.1 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



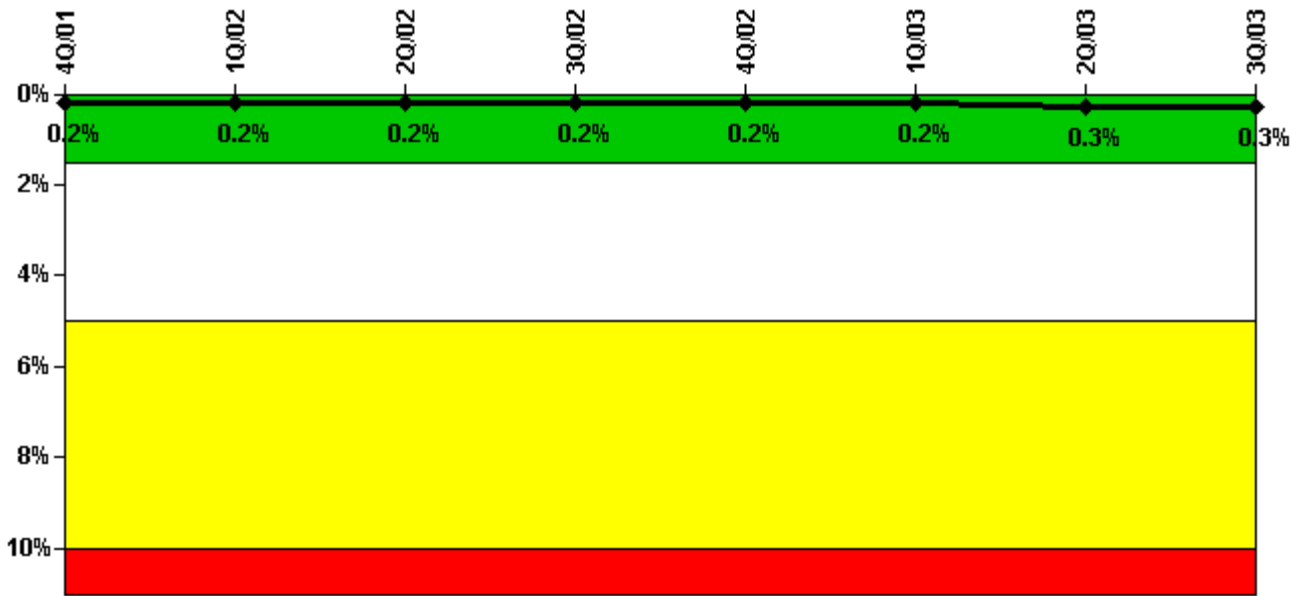
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Emergency AC Power | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 1.20 | 5.38 | 11.33 | 0.70 | 0.70 | 33.52 | 0.32 | 21.99 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 81.80 | 49.10 | 0 | 8.63 |
| 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 | 1903.80 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2185.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 2.22 | 0.20 | 14.60 | 22.90 | 6.30 | 1.18 | 0.65 | 9.35 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 18.80 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2064.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 1079.77 | 2208.00 |
| Indicator value | 0.4% | 0.4% | 0.4% | 0.4% | 0.6% | 0.7% | 0.7% | 0.8% |

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

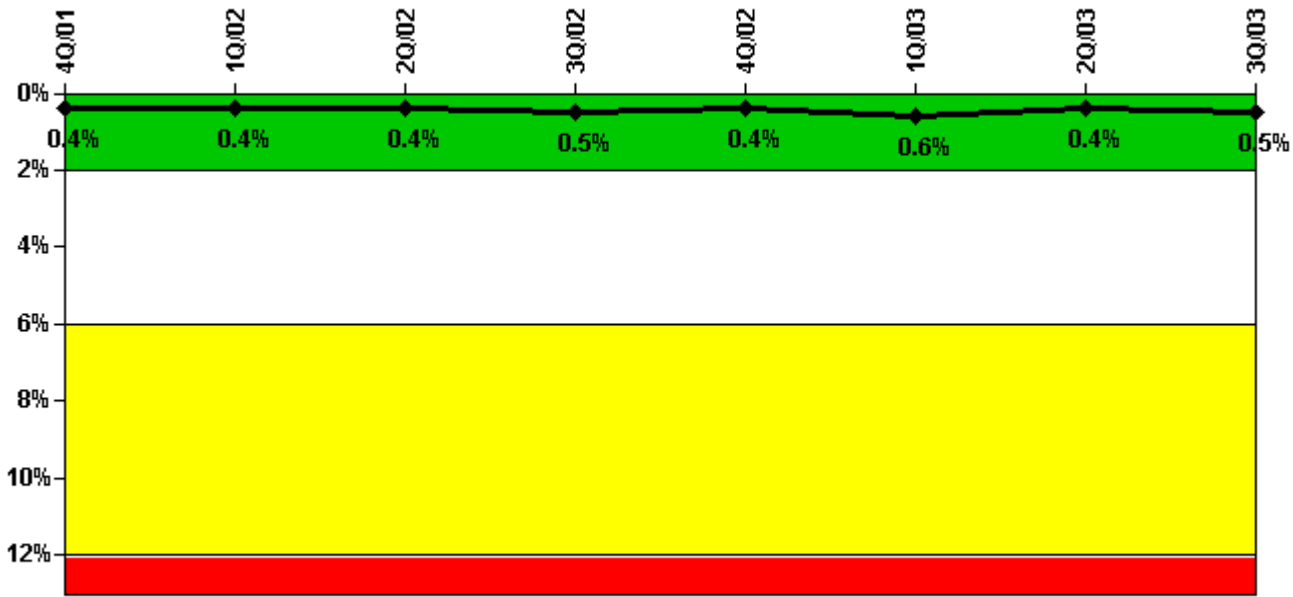
Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 15.45 | 11.00 | 0 | 10.03 | 0 | 1.65 | 3.33 | 8.58 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 64.58 | 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 | 1389.76 | 2183.00 | 2118.98 | 2209.00 | 2160.00 | 927.64 | 2096.37 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0 | 1.87 | 0 | 11.82 | 0 | 1.35 | 10.97 | 0 |
| 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 | 2209.00 | 1329.94 | 2183.00 | 2208.00 | 2209.00 | 2130.15 | 1007.37 | 1886.30 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 23.15 | 8.57 | 0 | 0 |
| 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 | 2209.00 | 1389.76 | 2183.00 | 2118.98 | 2209.00 | 2130.15 | 912.07 | 1886.30 |
| Train 4 | | | | | | | | |
| Planned unavailable hours | 12.48 | 0 | 5.95 | 0 | 0 | 1.23 | 0 | 9.08 |
| Unplanned unavailable hours | 0 | 0 | 0 | 18.77 | 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 | 1329.94 | 2183.00 | 2118.98 | 2209.00 | 2130.15 | 912.07 | 1886.30 |
| Indicator value | 0.2% | 0.2% | 0.2% | 0.2% | 0.2% | 0.2% | 0.3% | 0.3% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

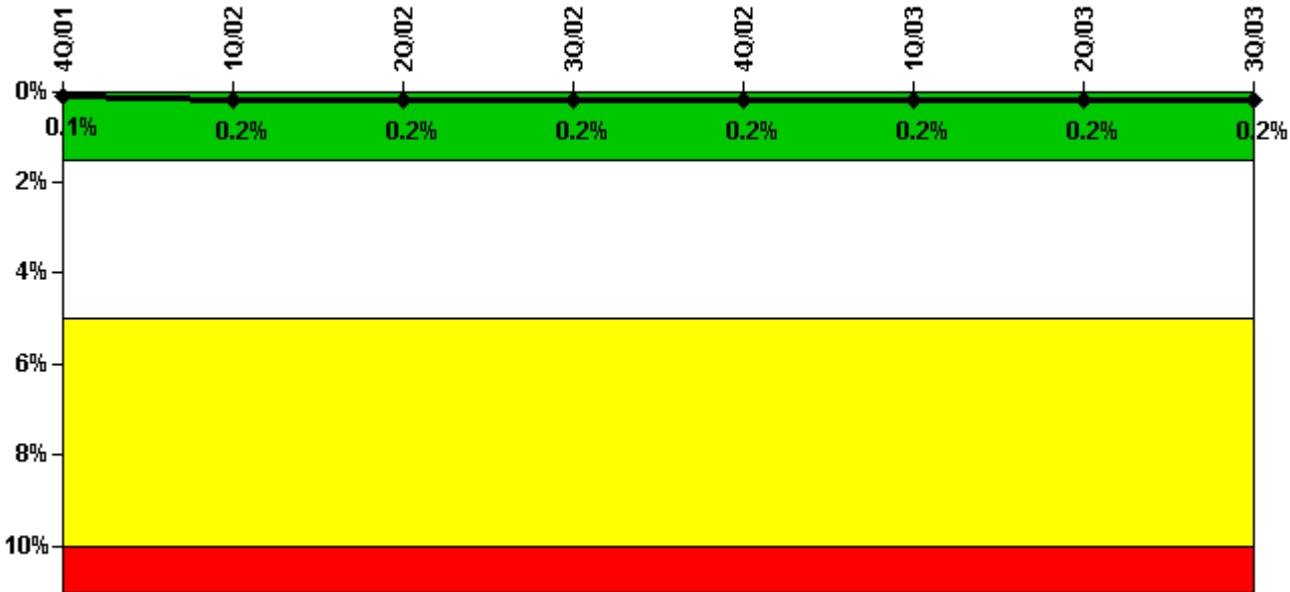
Notes

| Safety System Unavailability, Heat Removal System (AFW) | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---------|--------|---------|---------|---------|---------|--------|---------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 6.85 | 0 | 36.12 | 0 | 6.05 |
| Unplanned unavailable hours | 0 | 0 | 0 | 27.33 | 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 | 438.92 | 2183.00 | 2118.98 | 2209.00 | 2132.20 | 912.07 | 1886.30 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0 | 2.52 | 9.23 | 9.05 | 0 | 29.38 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 6.08 | 0 | 0 | 59.48 | 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 | 438.92 | 2183.00 | 2118.98 | 2209.00 | 2131.20 | 912.07 | 1886.30 |
| Train 3 | | | | | | | | |

| | | | | | | | | |
|-----------------------------|---------|--------|---------|---------|---------|---------|--------|---------|
| Planned unavailable hours | 0 | 0 | 0 | 23.93 | 0 | 9.03 | 0 | 0 |
| Unplanned unavailable hours | 0 | 14.79 | 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 | 2209.00 | 438.92 | 2183.00 | 2118.98 | 2209.00 | 2131.20 | 912.07 | 1886.30 |
| Indicator value | 0.4% | 0.4% | 0.4% | 0.5% | 0.4% | 0.6% | 0.4% | 0.5% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

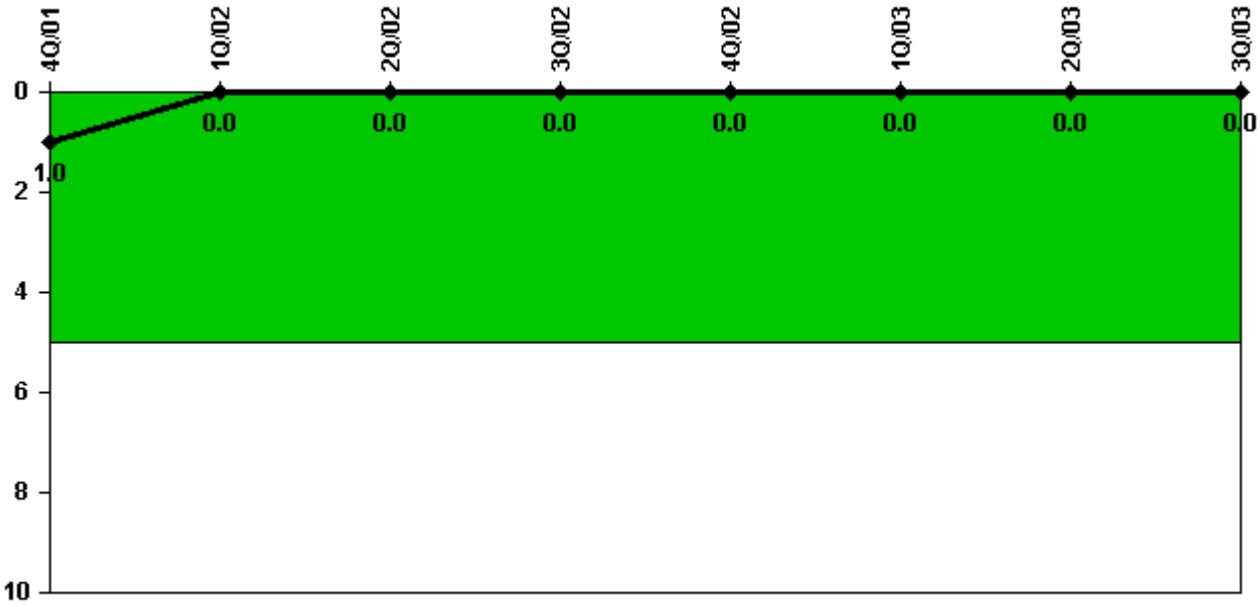
Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 15.62 | 0 | 8.77 | 8.05 | 0 | 0 | 0 |
| 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 | 2209.00 | 1857.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 1838.30 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0 | 7.58 | 0 | 10.20 | 6.03 | 0 | 0 | 10.67 |
| 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 | 2209.00 | 1857.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 1838.30 | 2208.00 |
| Indicator value | 0.1% | 0.2% | 0.2% | 0.2% | 0.2% | 0.2% | 0.2% | 0.2% |

Licensee Comments: none

Safety System Functional Failures (PWR)



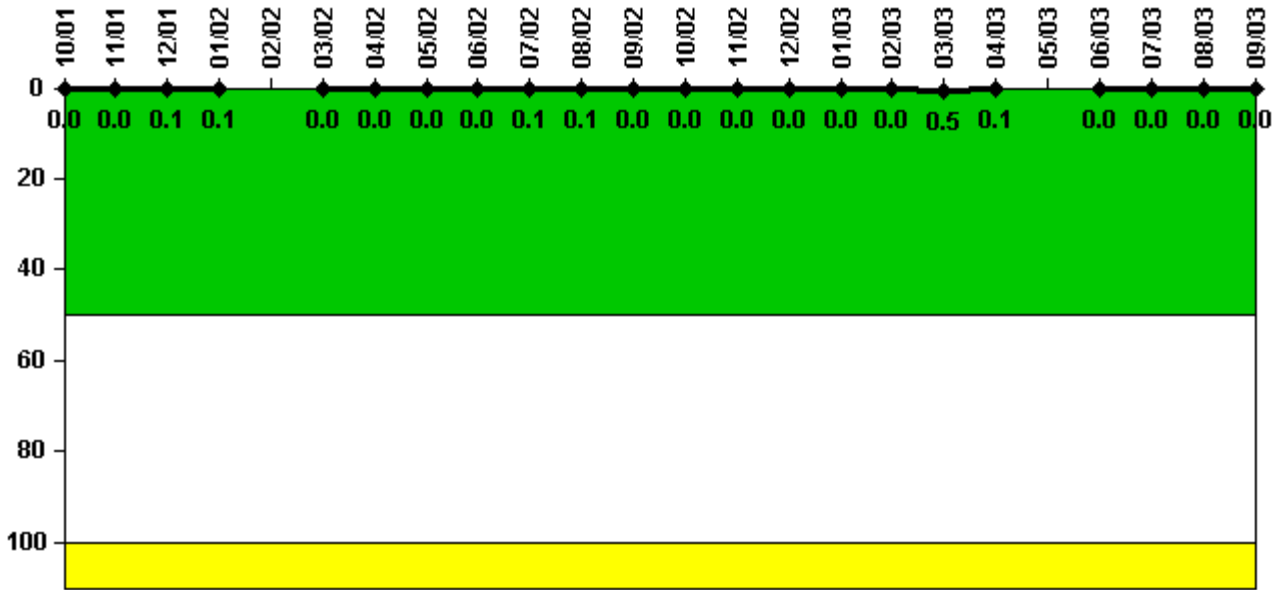
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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

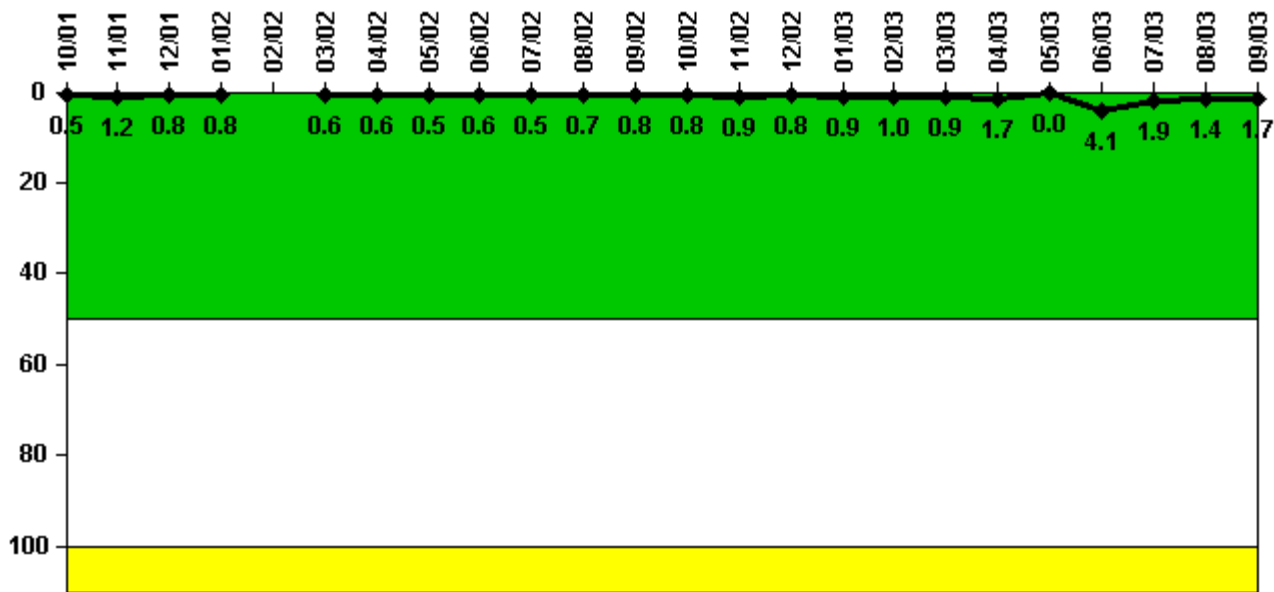
| Reactor Coolant System Activity | 10/01 | 11/01 | 12/01 | 1/02 | 2/02 | 3/02 | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 |
|---------------------------------|----------|----------|----------|----------|------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000480 | 0.000497 | 0.000515 | 0.000509 | N/A | 0.000212 | 0.000242 | 0.000214 | 0.000238 | 0.001100 | 0.000641 | 0.000316 |
| 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 | 0.1 | 0.1 | N/A | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0 |

| Reactor Coolant System Activity | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|------|----------|----------|----------|----------|
| Maximum activity | 0.000359 | 0.000324 | 0.000313 | 0.000313 | 0.000368 | 0.004970 | 0.001070 | N/A | 0.000159 | 0.000217 | 0.000175 | 0.000188 |
| 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 | 0.5 | 0.1 | N/A | 0 | 0 | 0 | 0 |

Licensee Comments:

6/03: Unit 2 was shut down for the month of May, 2003.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

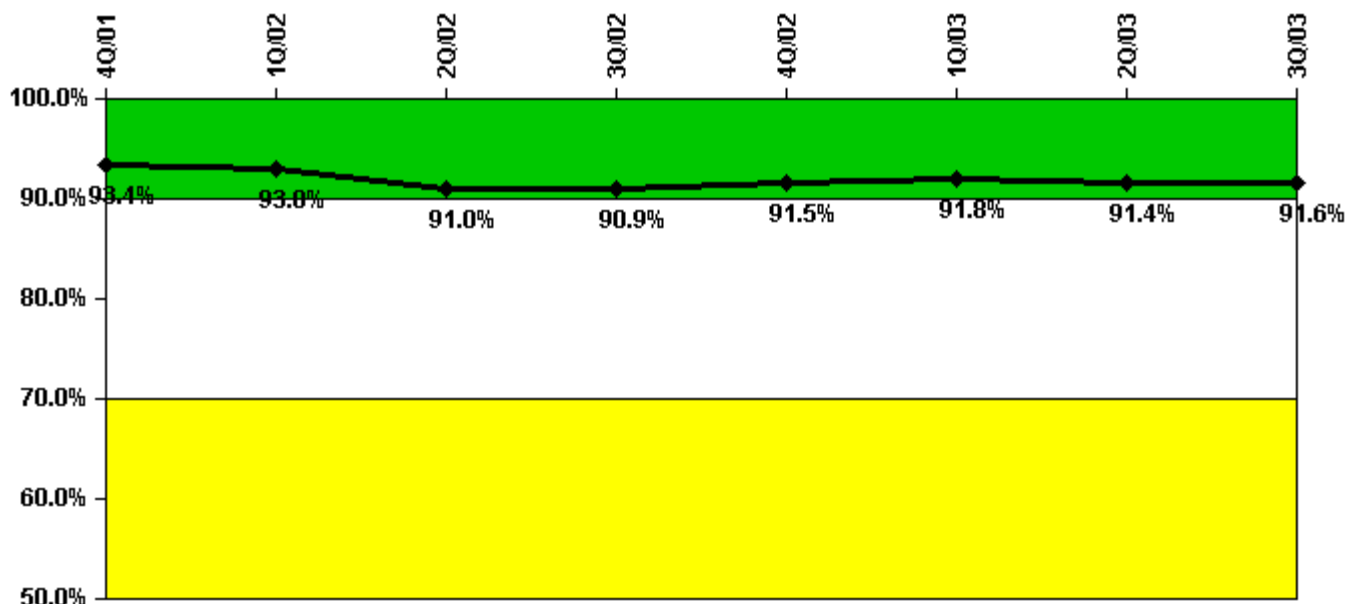
Notes

| Reactor Coolant System Leakage | 10/01 | 11/01 | 12/01 | 1/02 | 2/02 | 3/02 | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 |
|--------------------------------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 0.050 | 0.130 | 0.090 | 0.085 | N/A | 0.068 | 0.071 | 0.057 | 0.064 | 0.058 | 0.080 | 0.086 |
| Technical specification limit | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| Indicator value | 0.5 | 1.2 | 0.8 | 0.8 | N/A | 0.6 | 0.6 | 0.5 | 0.6 | 0.5 | 0.7 | 0.8 |

| Reactor Coolant System Leakage | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|
| Maximum leakage | 0.090 | 0.100 | 0.090 | 0.096 | 0.110 | 0.097 | 0.184 | 0 | 0.450 | 0.211 | 0.152 | 0.190 |
| Technical specification limit | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| Indicator value | 0.8 | 0.9 | 0.8 | 0.9 | 1.0 | 0.9 | 1.7 | 0 | 4.1 | 1.9 | 1.4 | 1.7 |

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

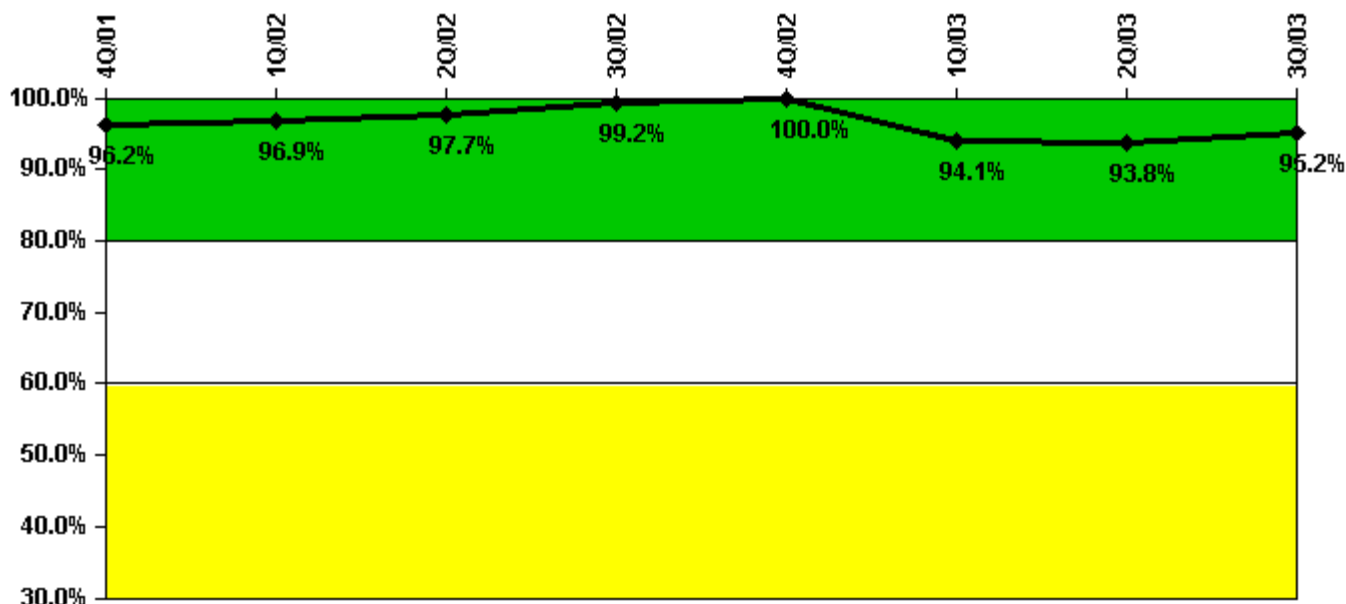
| Drill/Exercise Performance | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 90.0 | 43.0 | 24.0 | 140.0 | 149.0 | 85.0 | 30.0 | 176.0 |
| Total opportunities | 104.0 | 46.0 | 34.0 | 150.0 | 159.0 | 87.0 | 33.0 | 192.0 |
| | | | | | | | | |
| Indicator value | 93.4% | 93.0% | 91.0% | 90.9% | 91.5% | 91.8% | 91.4% | 91.6% |

Licensee Comments:

2Q/03: The change in the Q2 data reduced the number of drill, exercise, or actual event opportunities reported by 1 and the number successfully completed by 1. This change did not result in a change of color for this performance indicator.

1Q/03: The change in the Q1 data reduced the number of drill, exercise, or actual event opportunities reported by 8 and the number successfully completed by 7. This change did not result in a change of color for this performance indicator.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

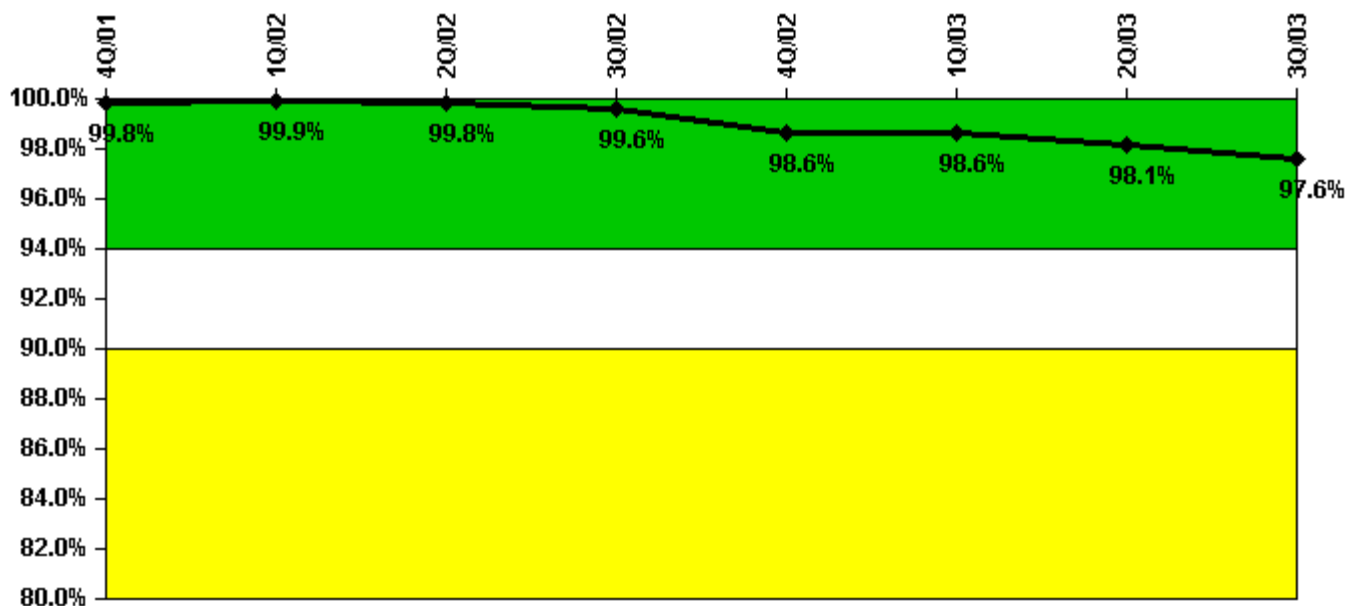
| ERO Drill Participation | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|-----------------------------|-------|-------|-------|-------|--------|-------|-------|-------|
| Participating Key personnel | 125.0 | 127.0 | 125.0 | 130.0 | 131.0 | 143.0 | 135.0 | 138.0 |
| Total Key personnel | 130.0 | 131.0 | 128.0 | 131.0 | 131.0 | 152.0 | 144.0 | 145.0 |
| | | | | | | | | |
| Indicator value | 96.2% | 96.9% | 97.7% | 99.2% | 100.0% | 94.1% | 93.8% | 95.2% |

Licensee Comments:

2Q/03: The change in the Q2 data reduced the number of key ERO members who participated in a drill, exercise, or actual event by 9. This change did not result in a change of color for this performance indicator.

1Q/03: The change in the Q1 data reduced the number of key ERO members who participated in a drill, exercise, or actual event by 8. This change did not result in a change of color for this performance indicator.

Alert & Notification System



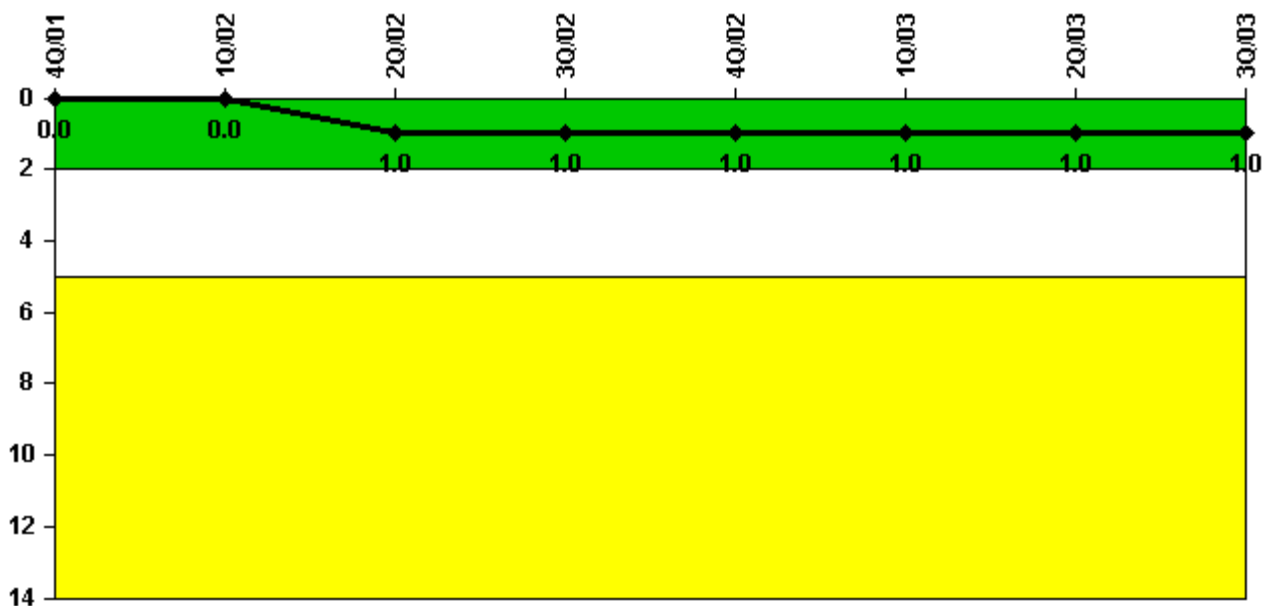
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 209 | 210 | 209 | 209 | 200 | 210 | 205 | 205 |
| Total sirens-tests | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 |
| | | | | | | | | |
| Indicator value | 99.8% | 99.9% | 99.8% | 99.6% | 98.6% | 98.6% | 98.1% | 97.6% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



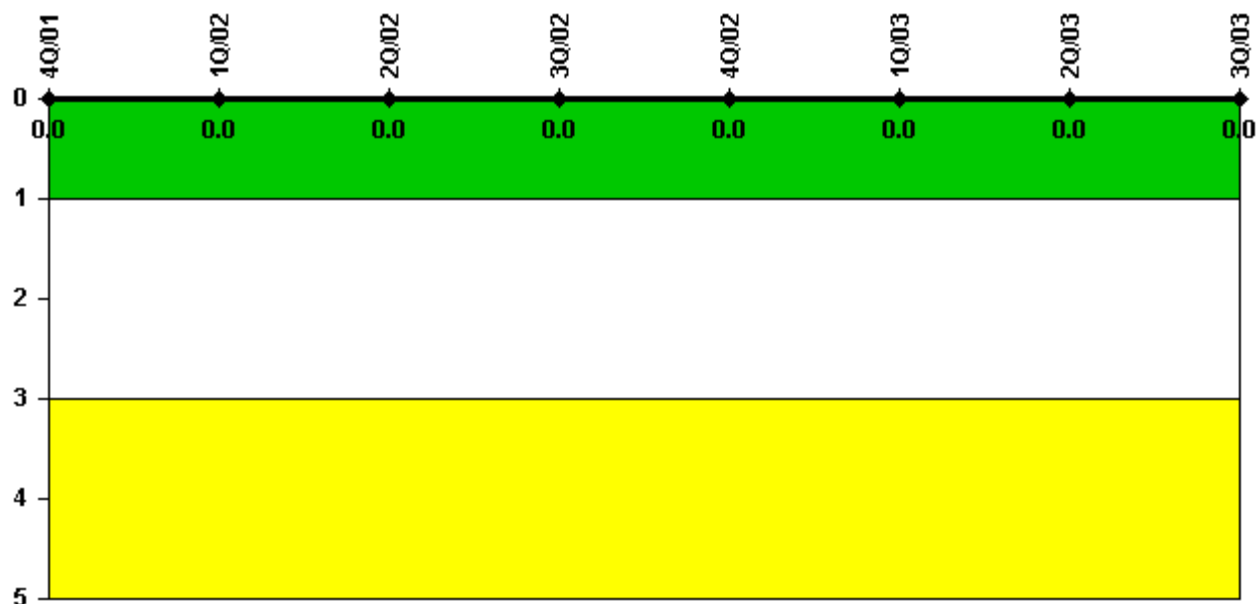
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| High radiation area occurrences | 0 | 0 | 1 | 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 | 1 | 0 |
| Indicator value | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



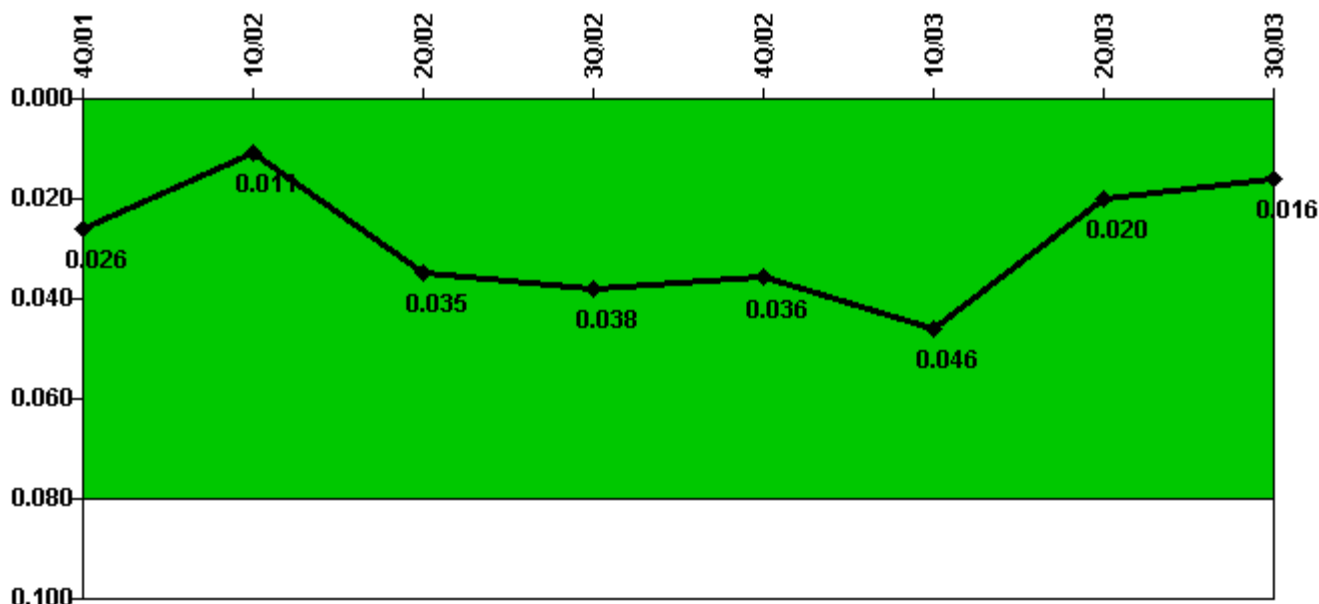
Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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

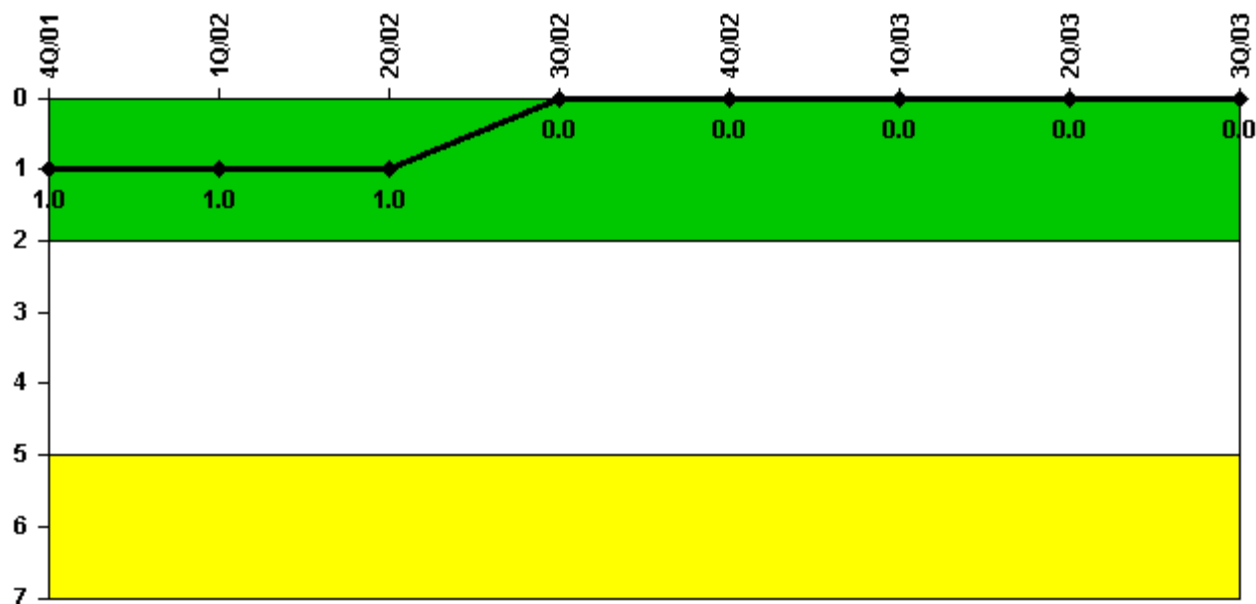
Notes

| Protected Area Security Performance Index | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|--------|-------|--------|--------|-------|--------|-------|-------|
| IDS compensatory hours | 103.70 | 28.20 | 680.50 | 111.70 | 52.10 | 263.40 | 25.70 | 25.20 |
| CCTV compensatory hours | 0 | 0 | 0 | 0 | 4.4 | 16.2 | 0 | 0 |
| IDS normalization factor | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| CCTV normalization factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Index Value | 0.026 | 0.011 | 0.035 | 0.038 | 0.036 | 0.046 | 0.020 | 0.016 |

Licensee Comments:

3Q/03: In accordance with NEI 99-02, compensatory hours associated with scheduled equipment upgrades that are being performed and those compensatory hours for configuration issues associated with the equipment upgrades are excluded.

Personnel Screening Program



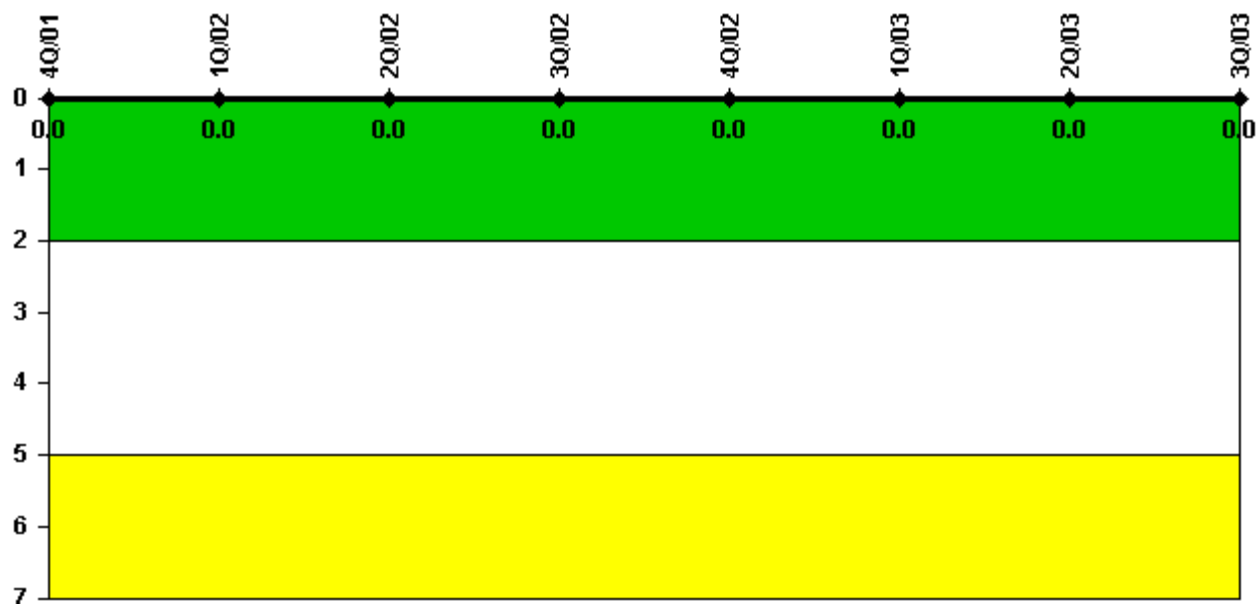
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Personnel Screening Program | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Program failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| Indicator value | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

| FFD/Personnel Reliability | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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: October 23, 2003