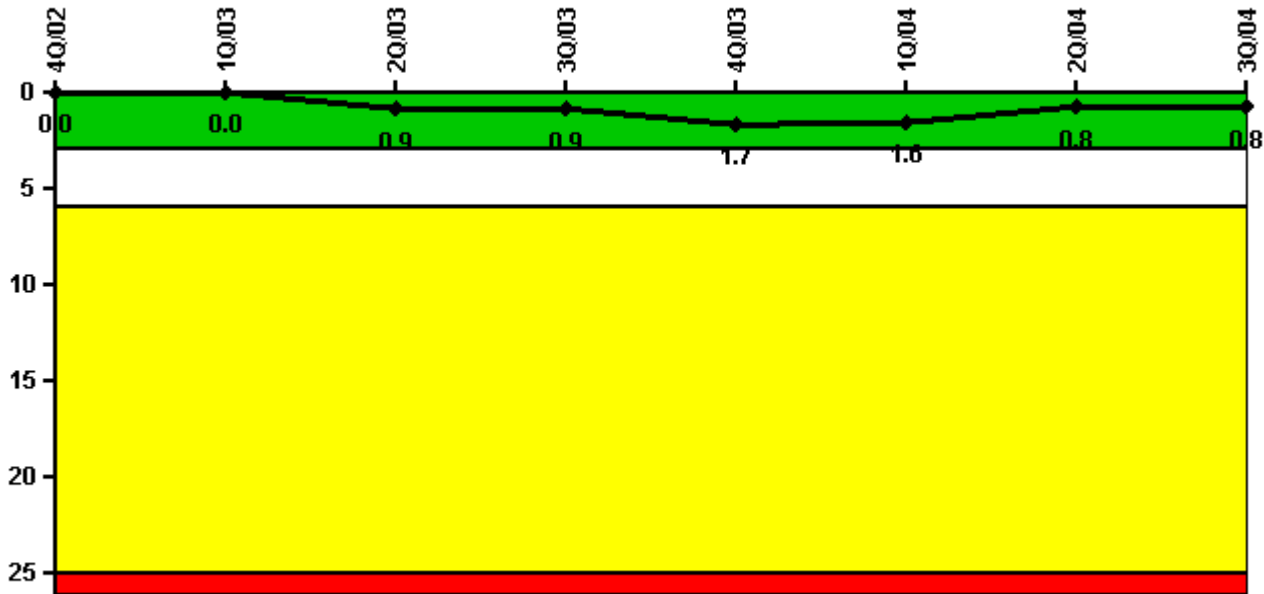


Brunswick 2

3Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



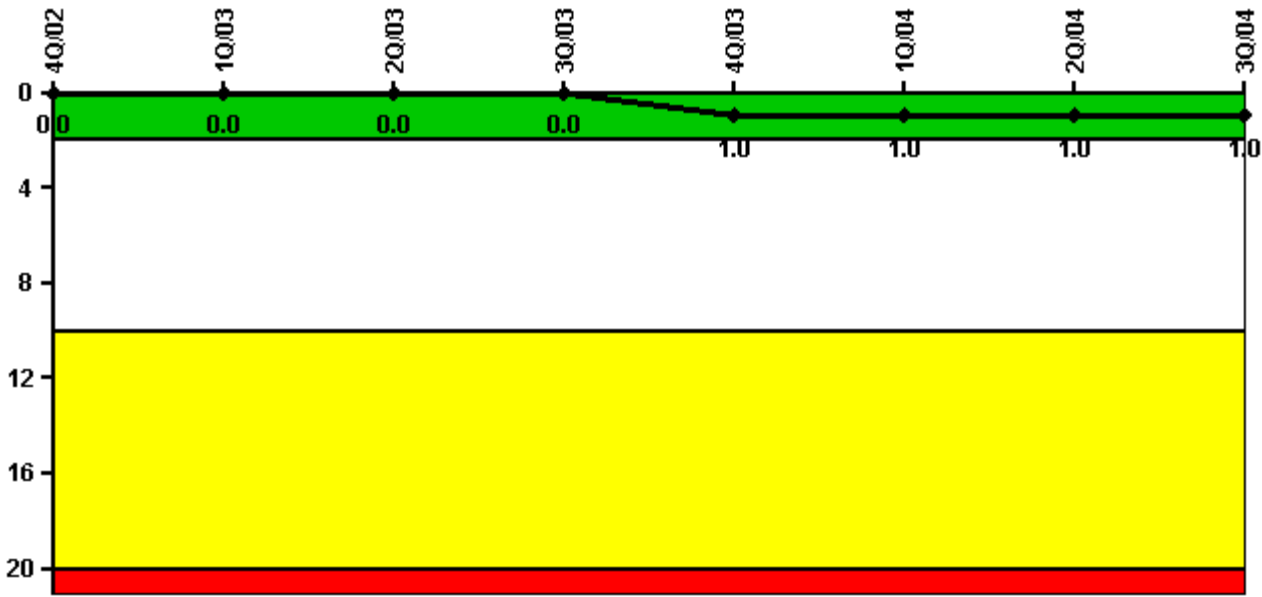
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 1.0 | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1583.9 | 2128.7 | 2208.0 | 2135.8 | 2184.0 | 2134.2 | 2139.8 |
| Indicator value | 0 | 0 | 0.9 | 0.9 | 1.7 | 1.6 | 0.8 | 0.8 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



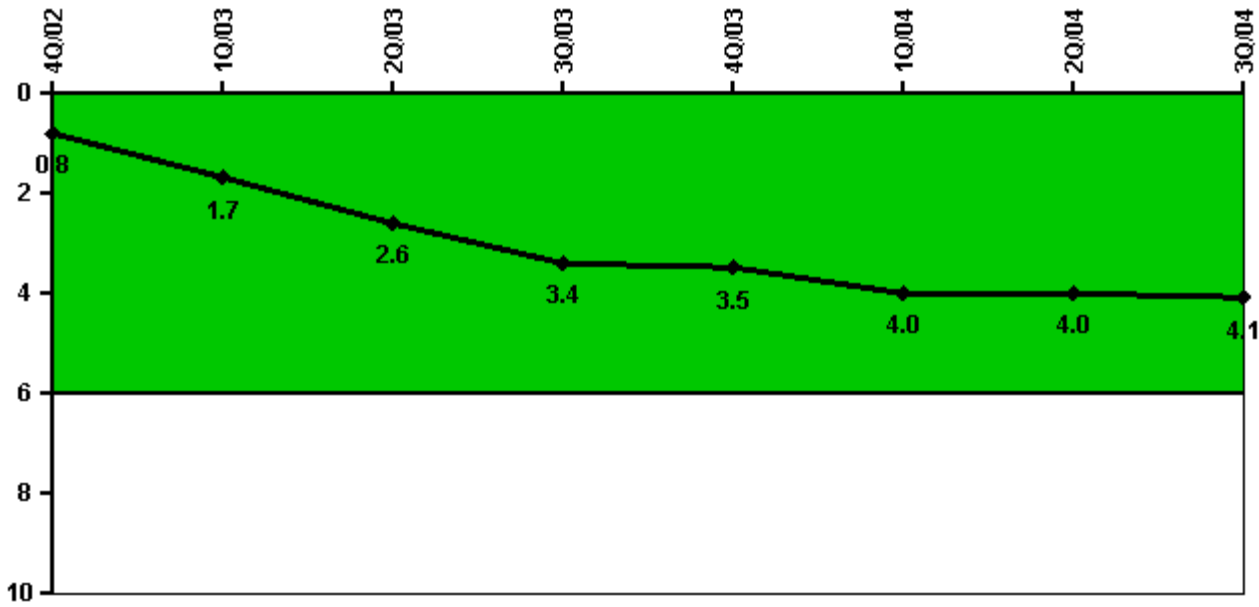
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 |
| Indicator value | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

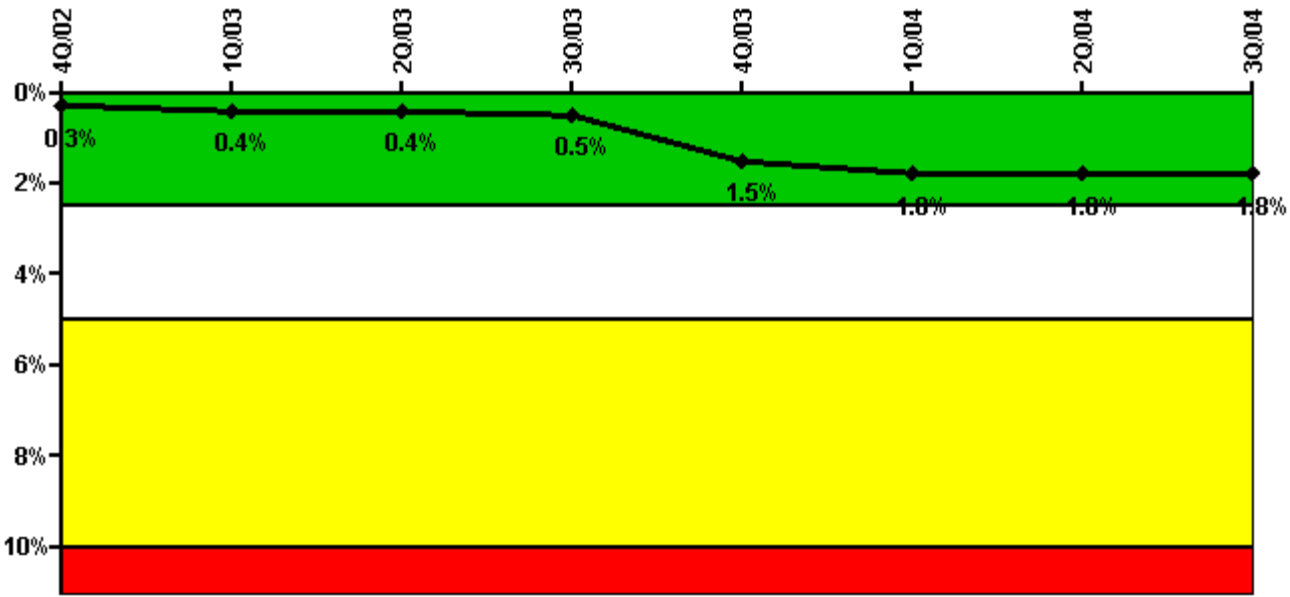
Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|
| Unplanned power changes | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 |
| Critical hours | 2209.0 | 1583.9 | 2128.7 | 2208.0 | 2135.8 | 2184.0 | 2134.2 | 2139.8 |
| Indicator value | 0.8 | 1.7 | 2.6 | 3.4 | 3.5 | 4.0 | 4.0 | 4.1 |

Licensee Comments:

3Q/04: Unit 2 has two Unplanned Power Change Occurrences (6/24/04 and 8/31/04) involving unexpected conditions in the intake canal. Per NEI 99-02, both events are not being included in the indicator value because they are being reviewed for exclusion via the FAQ process. In the case that both events are not excluded through the FAQ process, the indicator value would still be within the green band.

Safety System Unavailability, Emergency AC Power



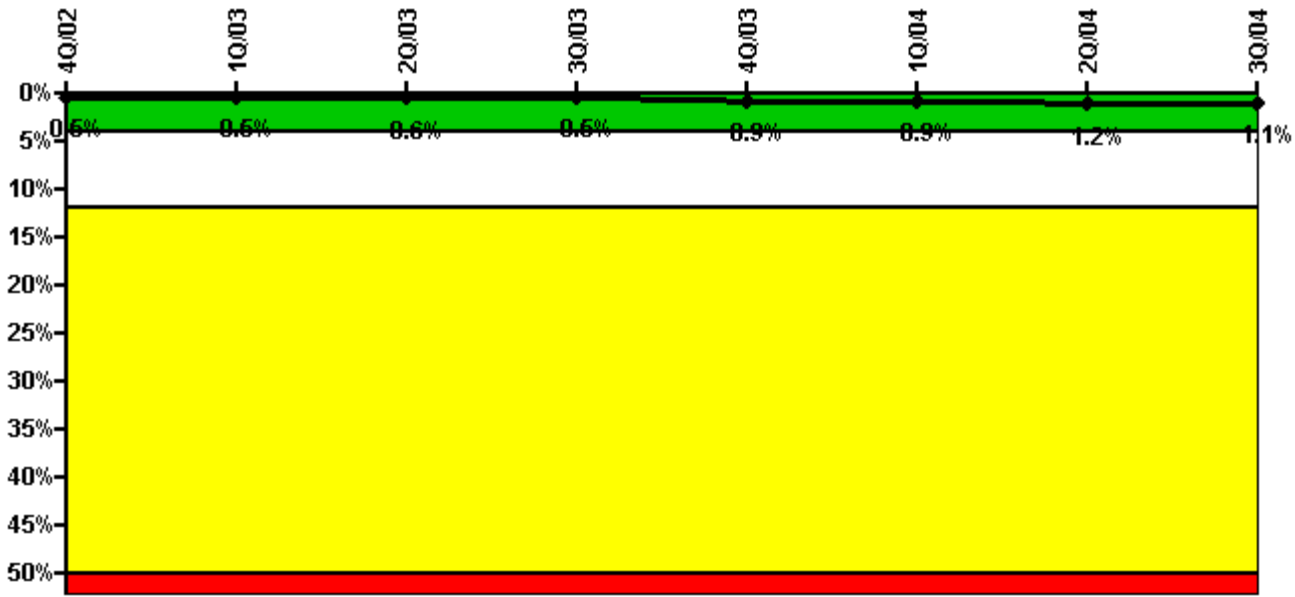
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Emergency AC Power | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0.65 | 50.28 | 6.26 | 13.75 | 13.50 | 29.17 | 1.04 | 0.85 |
| Unplanned unavailable hours | 0 | 0 | 0 | 13.97 | 4.75 | 18.35 | 0 | 0.10 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 559.25 | 93.35 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 62.05 | 4.23 | 1.38 | 0.84 | 7.23 | 1.19 | 19.15 | 2.54 |
| Unplanned unavailable hours | 0 | 0 | 8.72 | 12.84 | 0 | 0 | 0 | 3.65 |
| 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 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| Indicator value | 0.3% | 0.4% | 0.4% | 0.5% | 1.5% | 1.8% | 1.8% | 1.8% |

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)



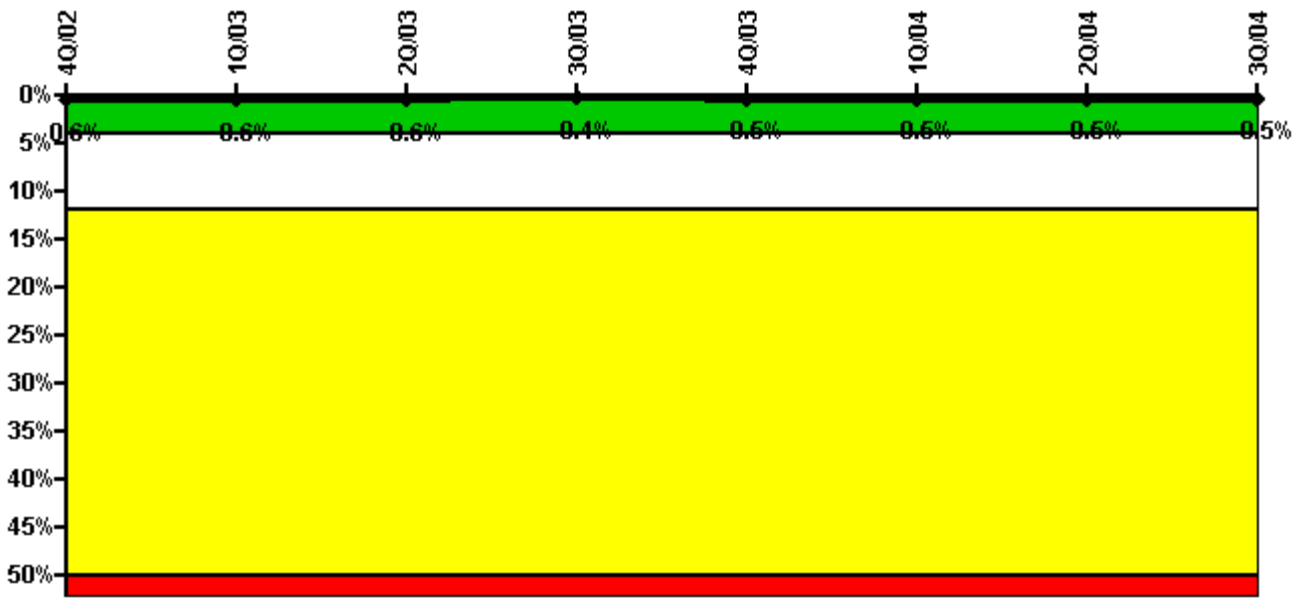
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 21.80 | 0.40 | 18.30 | 0.30 | 95.40 | 5.90 | 17.30 | 7.00 |
| Unplanned unavailable hours | 13.00 | 0 | 0 | 0 | 0 | 0 | 32.90 | 0 |
| Fault exposure hours | 0 | 1.10 | 0 | 0 | 0 | 1.83 | 32.67 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 1583.90 | 2128.70 | 2208.00 | 2135.80 | 2184.00 | 2134.20 | 2139.85 |
| Indicator value | 0.5% | 0.5% | 0.6% | 0.5% | 0.9% | 0.9% | 1.2% | 1.1% |

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



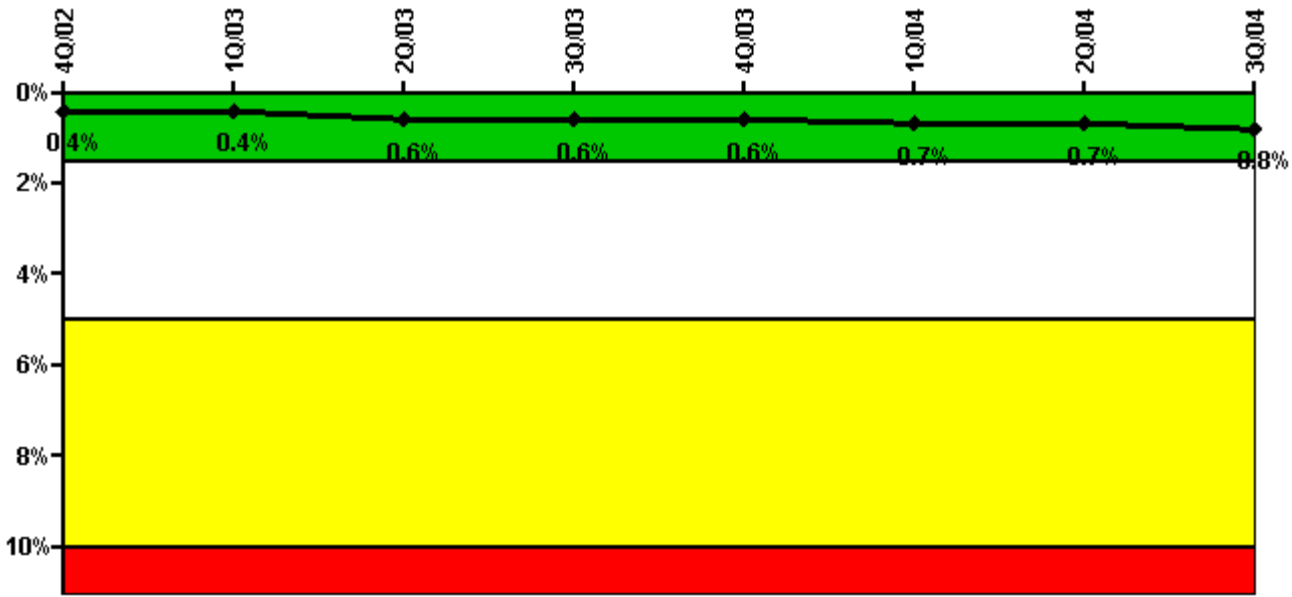
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 22.40 | 13.60 | 0.30 | 17.70 | 13.10 | 0.40 | 6.50 | 10.60 |
| 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 | 1583.90 | 2128.70 | 2208.00 | 2135.80 | 2184.00 | 2134.20 | 2139.85 |
| | | | | | | | | |
| Indicator value | 0.6% | 0.6% | 0.6% | 0.4% | 0.5% | 0.5% | 0.5% | 0.5% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



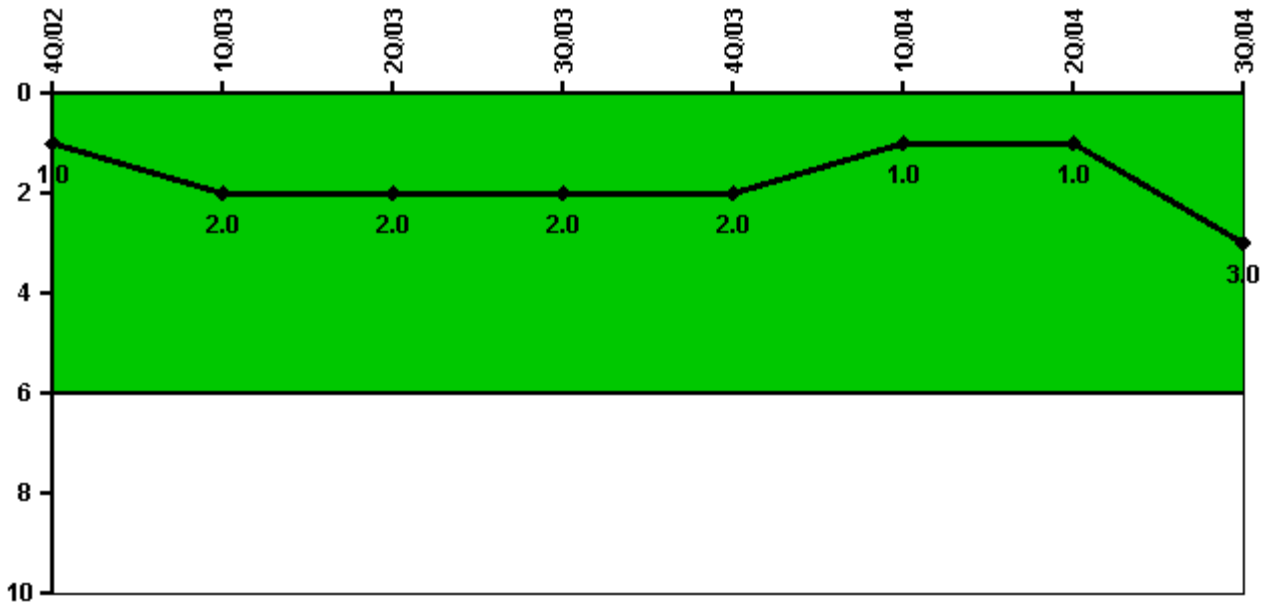
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 16.00 | 0 | 11.60 | 0 | 0 | 69.80 | 0 | 9.50 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.70 |
| 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 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0 | 16.70 | 142.20 | 0 | 19.50 | 2.80 | 19.40 | 1.20 |
| 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 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| Indicator value | 0.4% | 0.4% | 0.6% | 0.6% | 0.6% | 0.7% | 0.7% | 0.8% |

Licensee Comments: none

Safety System Functional Failures (BWR)



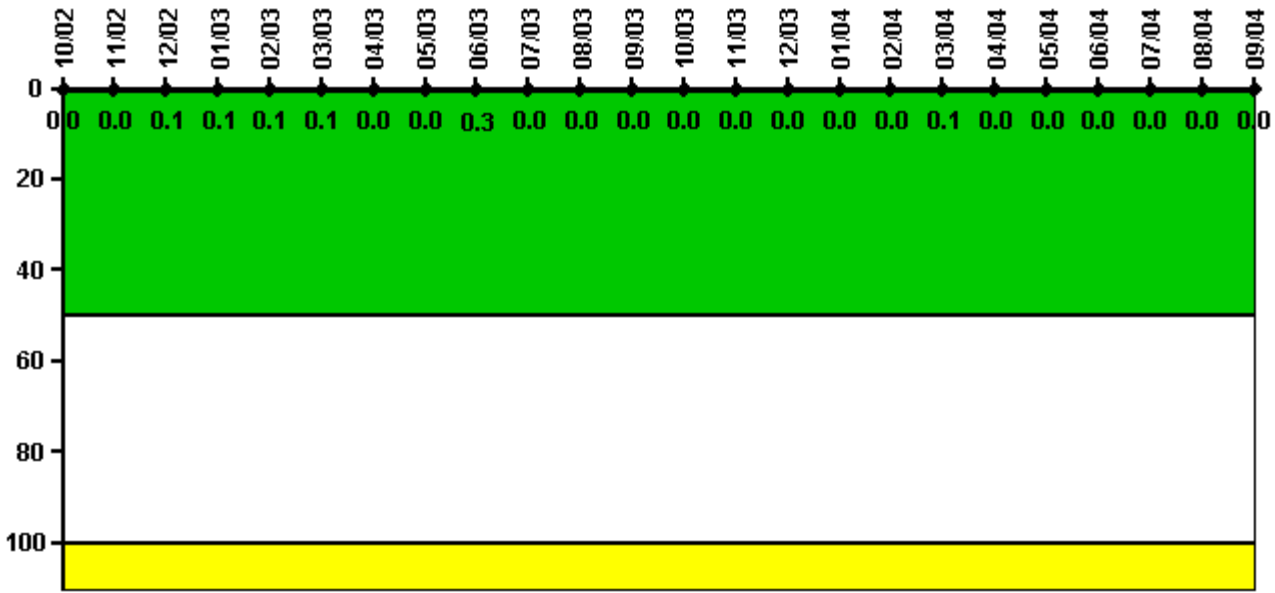
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



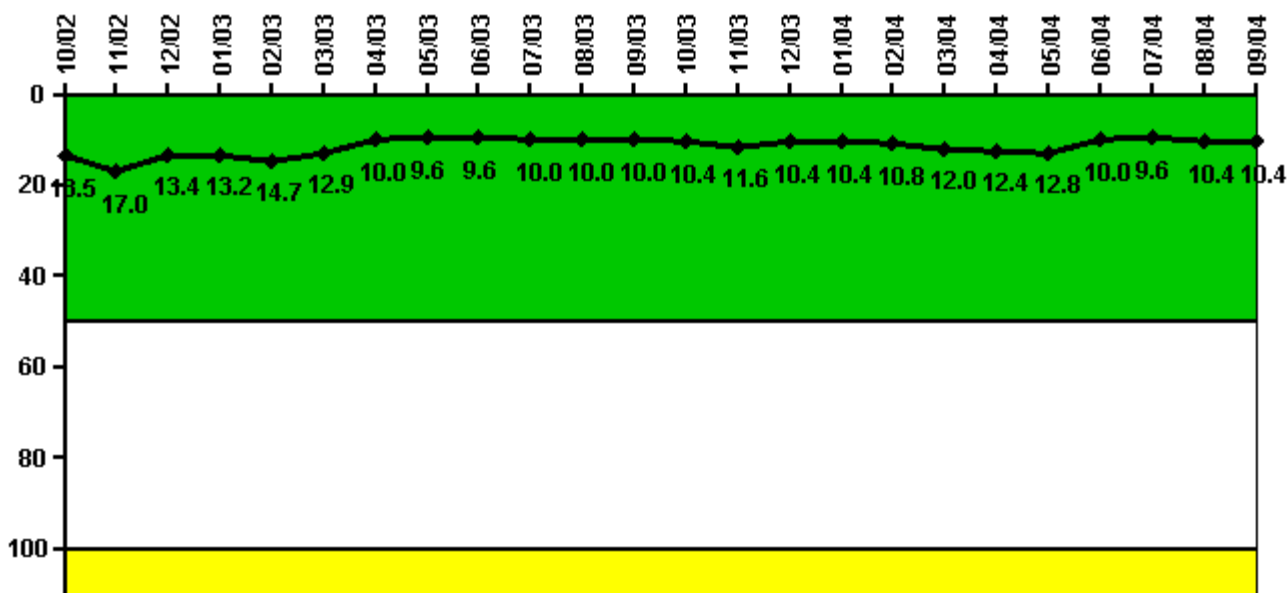
Thresholds: White > 50.0 Yellow > 100.0

Notes

| 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 | 0.000062 | 0.000050 | 0.000122 | 0.000130 | 0.000145 | 0.000138 | 0.000034 | 0.000033 | 0.000653 | 0.000059 | 0.000034 | 0.000028 |
| 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 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0.3 | 0 | 0 | 0 |
| Reactor Coolant System Activity | 10/03 | 11/03 | 12/03 | 1/04 | 2/04 | 3/04 | 4/04 | 5/04 | 6/04 | 7/04 | 8/04 | 9/04 |
| Maximum activity | 0.000043 | 0.000046 | 0.000057 | 0.000081 | 0.000053 | 0.000104 | 0.000080 | 0.000079 | 0.000073 | 0.000058 | 0.000066 | 0.000075 |
| 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 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

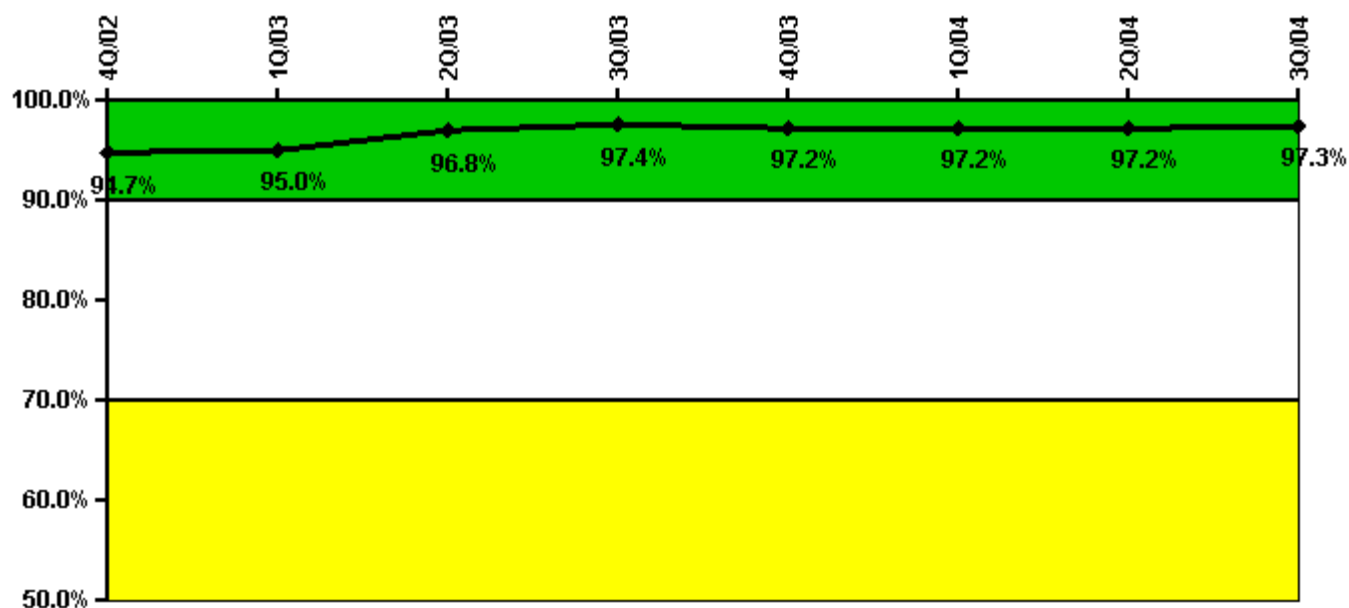
Notes

| Reactor Coolant System Leakage | 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 | 3.368 | 4.262 | 3.346 | 3.311 | 3.669 | 3.235 | 2.500 | 2.400 | 2.400 | 2.500 | 2.500 | 2.500 |
| 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 | 13.5 | 17.0 | 13.4 | 13.2 | 14.7 | 12.9 | 10.0 | 9.6 | 9.6 | 10.0 | 10.0 | 10.0 |

| Reactor Coolant System Leakage | 10/03 | 11/03 | 12/03 | 1/04 | 2/04 | 3/04 | 4/04 | 5/04 | 6/04 | 7/04 | 8/04 | 9/04 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 2.600 | 2.900 | 2.600 | 2.600 | 2.700 | 3.000 | 3.100 | 3.200 | 2.500 | 2.400 | 2.600 | 2.600 |
| 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 | 10.4 | 11.6 | 10.4 | 10.4 | 10.8 | 12.0 | 12.4 | 12.8 | 10.0 | 9.6 | 10.4 | 10.4 |

Licensee Comments: none

Drill/Exercise Performance



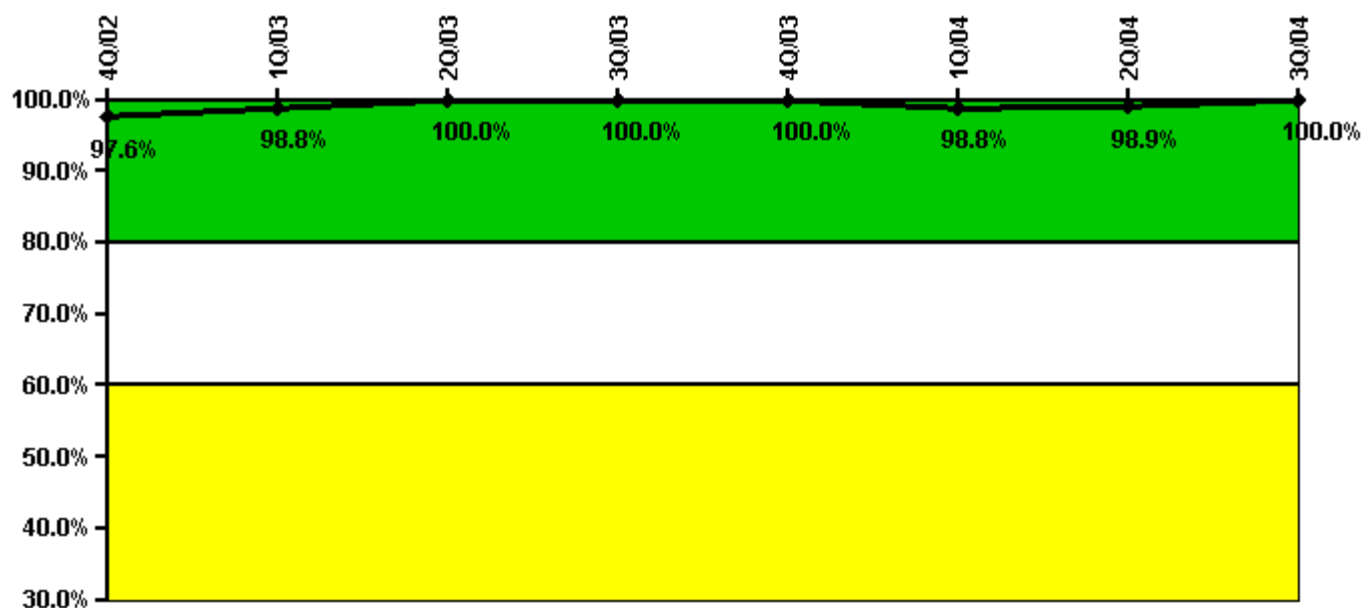
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 21.0 | 8.0 | 51.0 | 36.0 | 10.0 | 0 | 0 | 55.0 |
| Total opportunities | 22.0 | 8.0 | 52.0 | 37.0 | 10.0 | 0 | 0 | 57.0 |
| Indicator value | 94.7% | 95.0% | 96.8% | 97.4% | 97.2% | 97.2% | 97.2% | 97.3% |

Licensee Comments: none

ERO Drill Participation



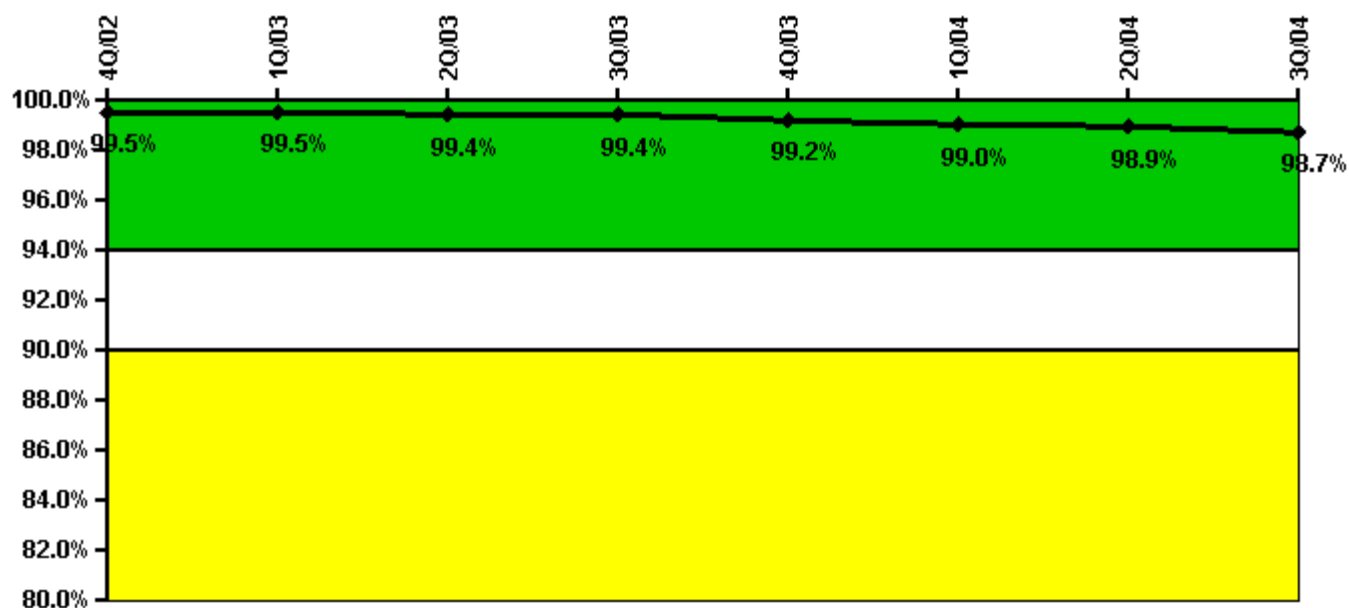
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|-----------------------------|-------|-------|--------|--------|--------|-------|-------|--------|
| Participating Key personnel | 81.0 | 81.0 | 82.0 | 93.0 | 88.0 | 83.0 | 86.0 | 93.0 |
| Total Key personnel | 83.0 | 82.0 | 82.0 | 93.0 | 88.0 | 84.0 | 87.0 | 93.0 |
| Indicator value | 97.6% | 98.8% | 100.0% | 100.0% | 100.0% | 98.8% | 98.9% | 100.0% |

Licensee Comments: none

Alert & Notification System



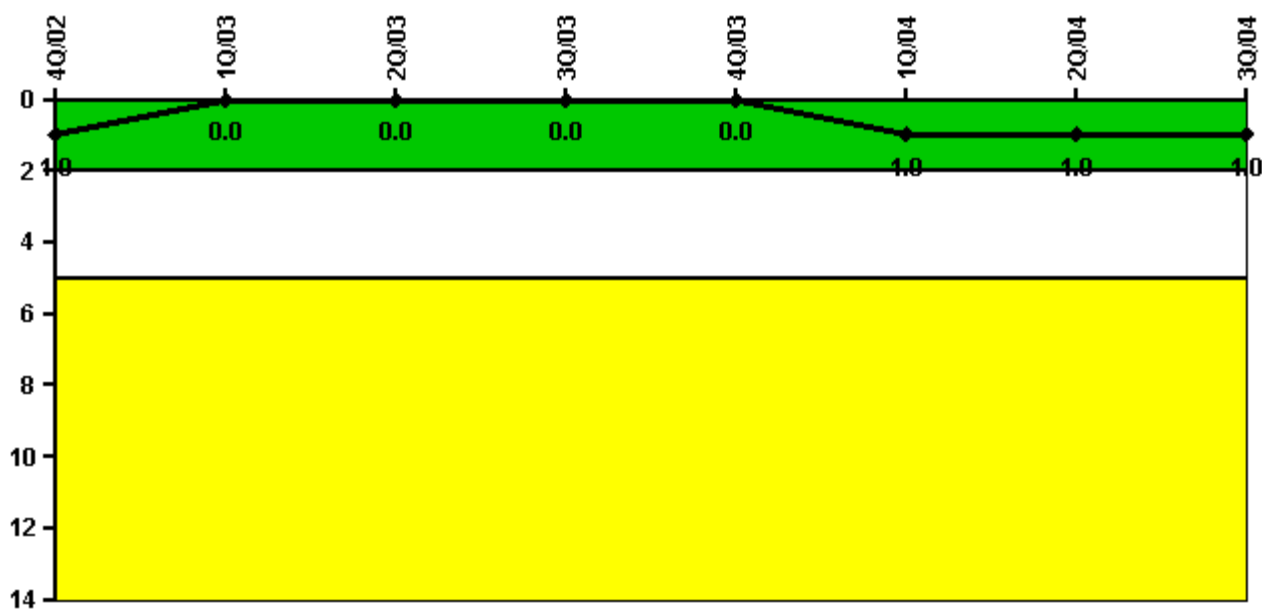
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 319 | 252 | 286 | 252 | 317 | 285 | 356 | 499 |
| Total sirens-tests | 324 | 252 | 288 | 252 | 324 | 288 | 360 | 504 |
| Indicator value | 99.5% | 99.5% | 99.4% | 99.4% | 99.2% | 99.0% | 98.9% | 98.7% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



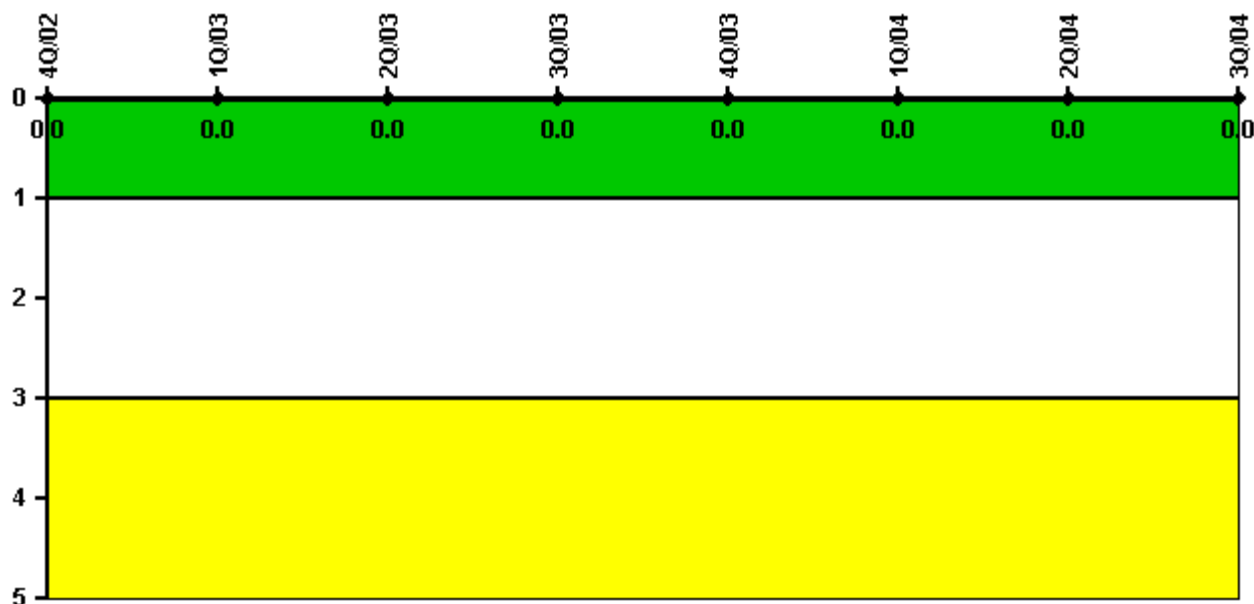
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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 | 1 | 0 | 0 |
| Indicator value | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

[Physical Protection](#) information not publicly available.