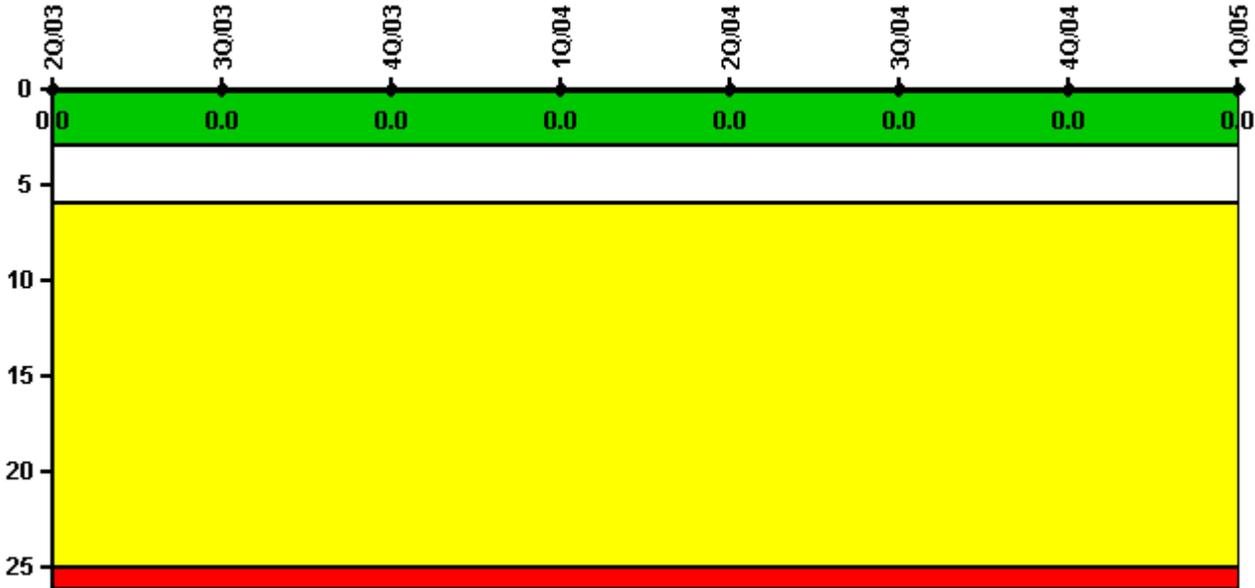


Waterford 3

1Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



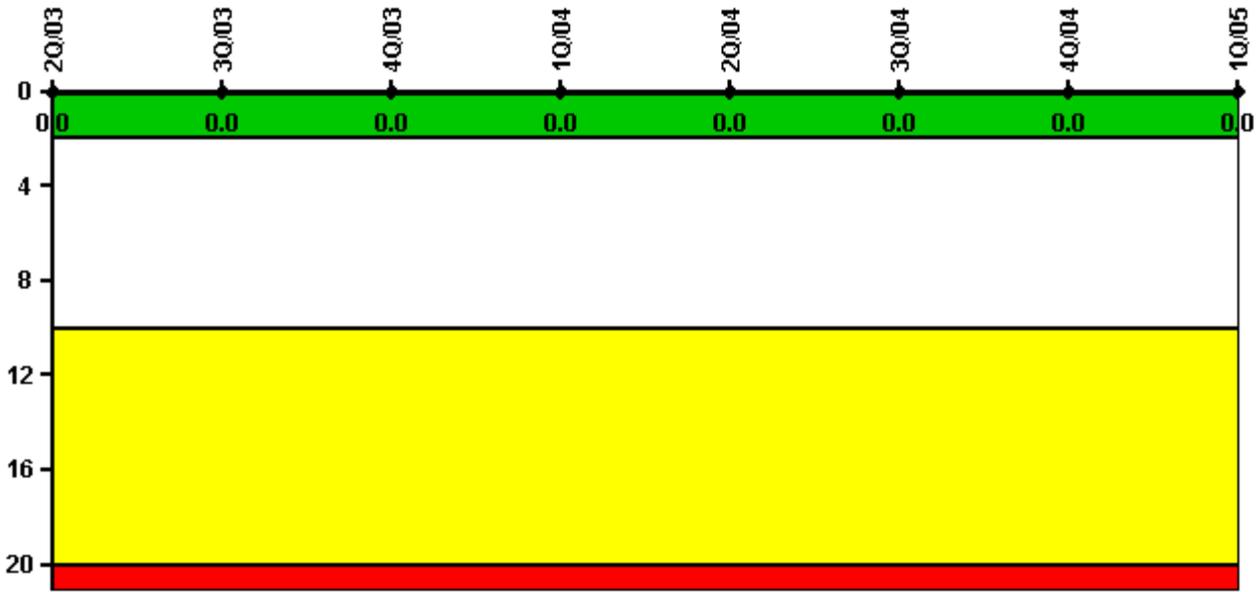
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 1457.1 | 2184.0 | 2183.0 | 2208.0 | 2209.0 | 2160.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



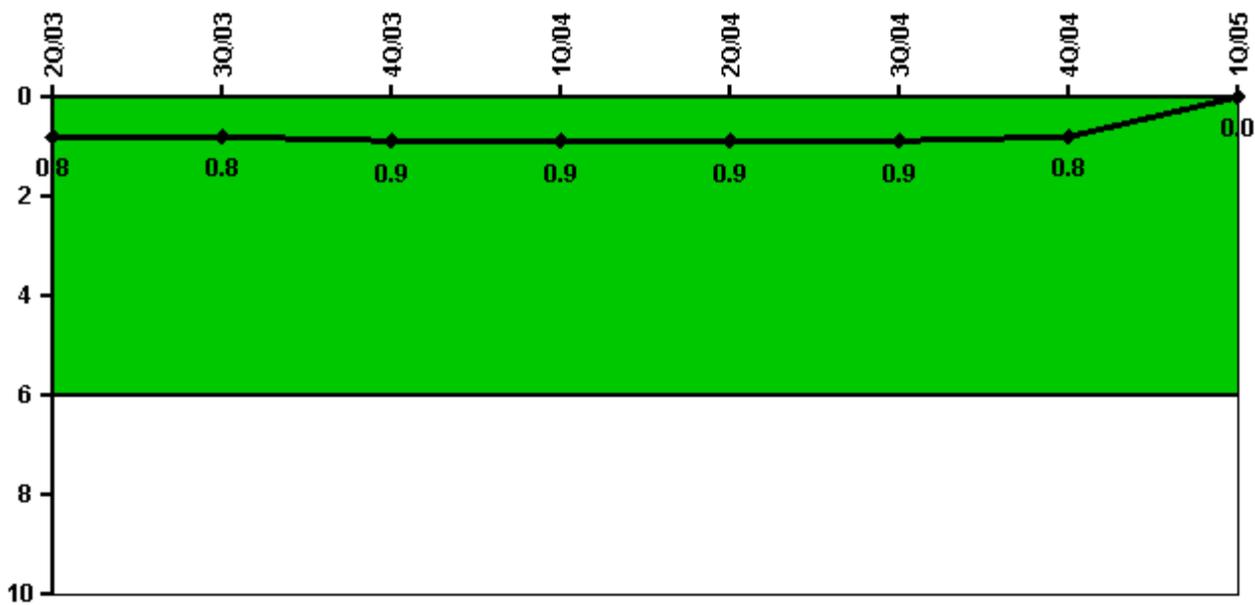
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

| Scrams with Loss of Normal Heat Removal | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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



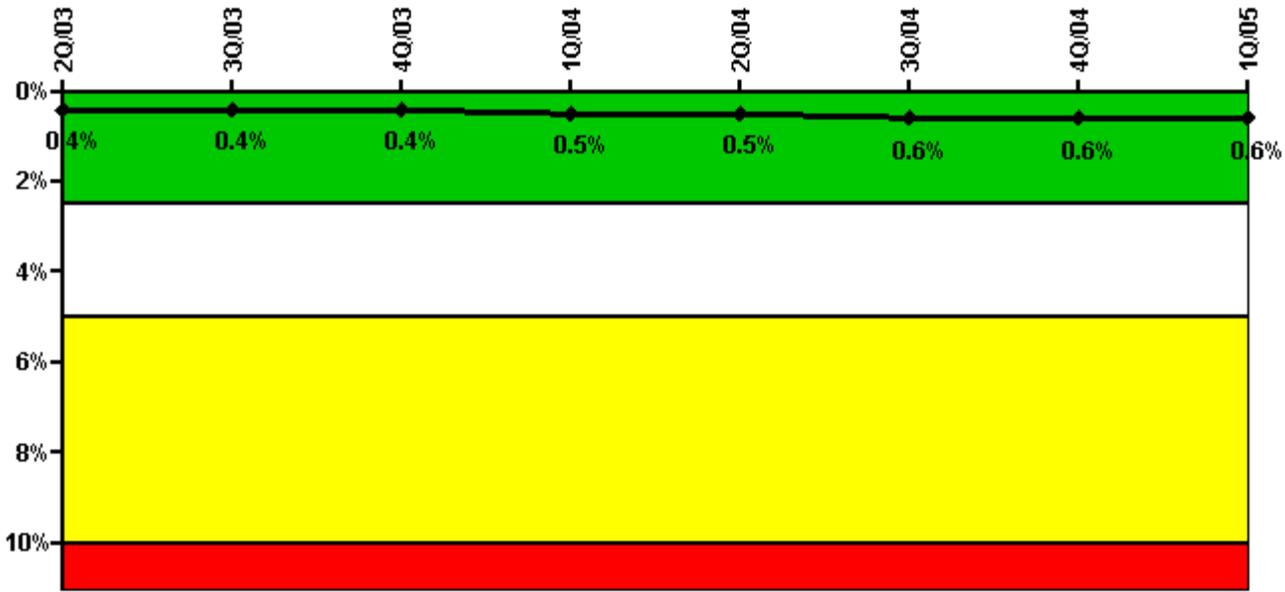
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 1457.1 | 2184.0 | 2183.0 | 2208.0 | 2209.0 | 2160.0 |
| Indicator value | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.8 | 0 |

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



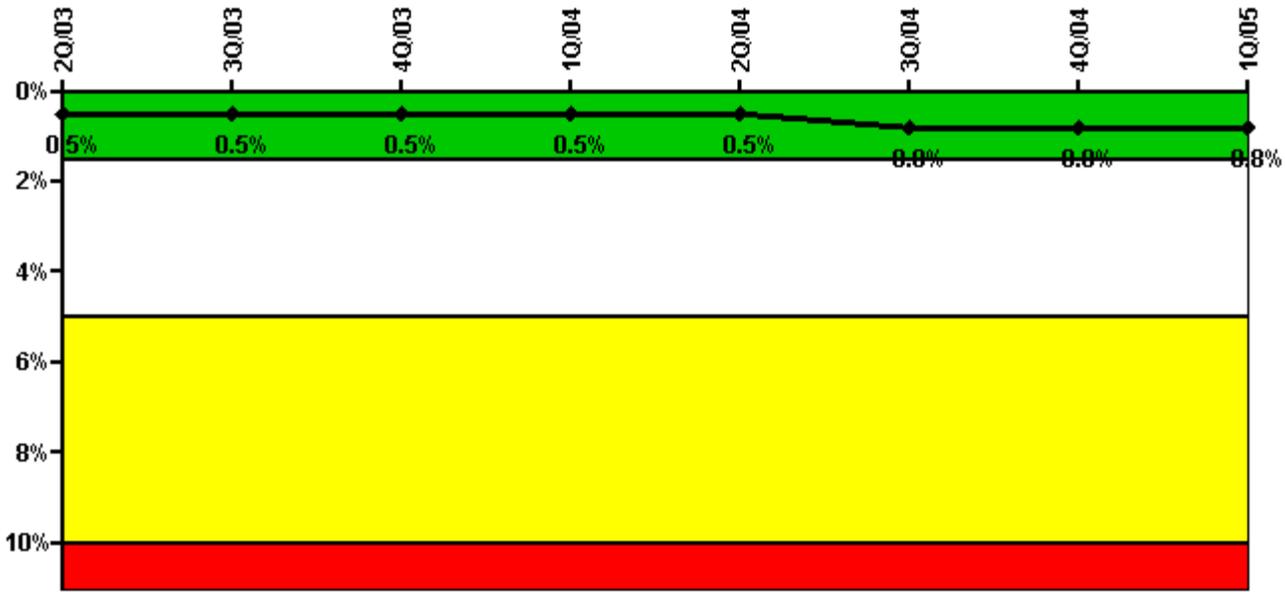
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Emergency AC Power | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 4.67 | 7.62 | 0 | 1.18 | 3.40 | 4.00 | 6.73 |
| Unplanned unavailable hours | 21.88 | 16.97 | 0 | 0 | 0 | 32.40 | 1.27 | 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 | 2076.50 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 6.86 | 0 | 10.08 | 16.59 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 22.82 | 0.05 | 28.68 | 17.65 | 1.62 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.23 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2076.50 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| Indicator value | 0.4% | 0.4% | 0.4% | 0.5% | 0.5% | 0.6% | 0.6% | 0.6% |

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

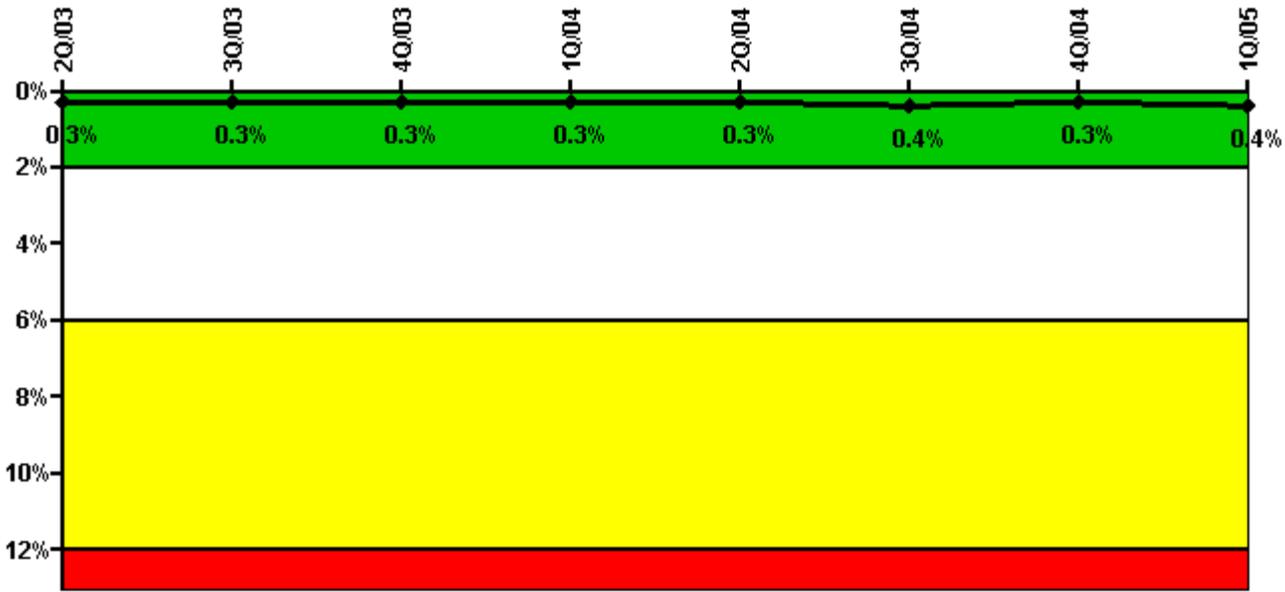
Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 21.42 | 8.38 | 7.62 | 0 | 2.48 | 51.60 | 0 | 3.25 |
| Unplanned unavailable hours | 21.88 | 0 | 0 | 0 | 0 | 15.82 | 1.27 | 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 | 1524.20 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0 | 1.83 | 0 | 6.86 | 19.07 | 42.97 | 22.80 | 0 |
| Unplanned unavailable hours | 0 | 4.65 | 0 | 0 | 0.05 | 38.35 | 0 | 1.62 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.23 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 1524.20 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| Indicator value | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.8% | 0.8% | 0.8% |

Licensee Comments:

1Q/05: Waterford 3 is finalizing an evaluation for treating unavailability for the High Pressure Safety Injection System.

Safety System Unavailability, Heat Removal System (AFW)



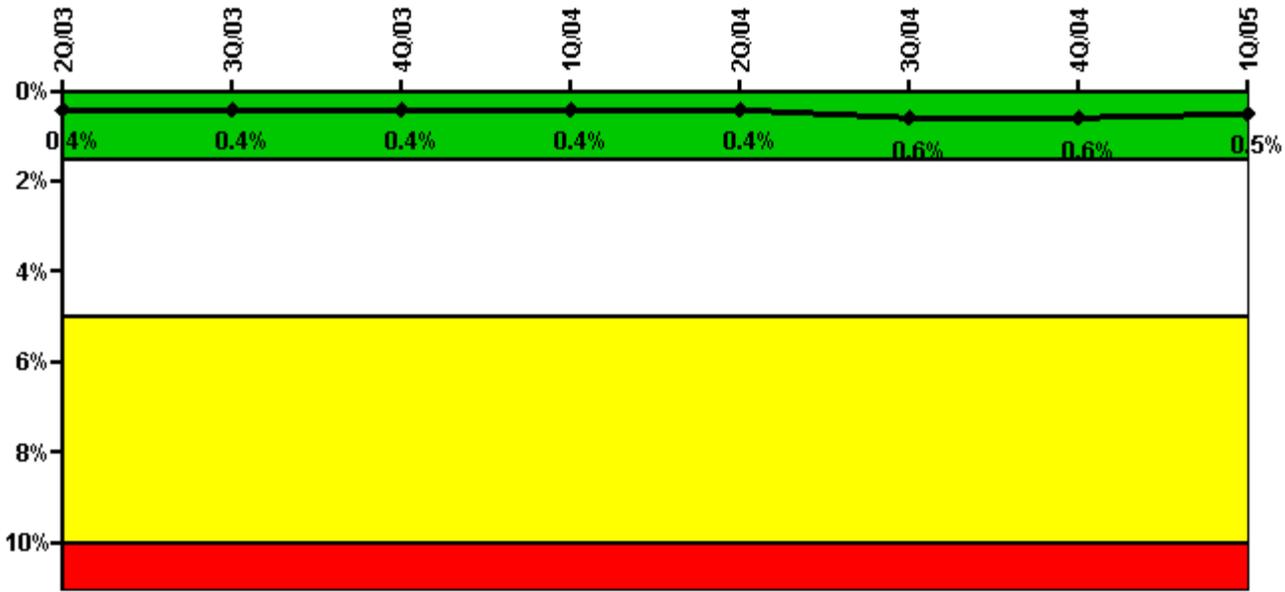
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

| Safety System Unavailability, Heat Removal System (AFW) | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 7.62 | 12.60 | 0 | 16.35 | 0 | 3.25 |
| Unplanned unavailable hours | 21.88 | 0 | 0 | 0 | 0 | 15.82 | 1.27 | 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 | 1499.50 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 0 | 12.82 | 0 | 21.58 | 0 | 4.50 | 9.57 | 12.35 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0.05 | 0 | 0 | 1.62 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.23 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 1499.50 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 0 | 3.15 | 0 | 0 | 20.53 | 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 | 2183.00 | 2208.00 | 1499.50 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| Indicator value | 0.3% | 0.3% | 0.3% | 0.3% | 0.3% | 0.4% | 0.3% | 0.4% |

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

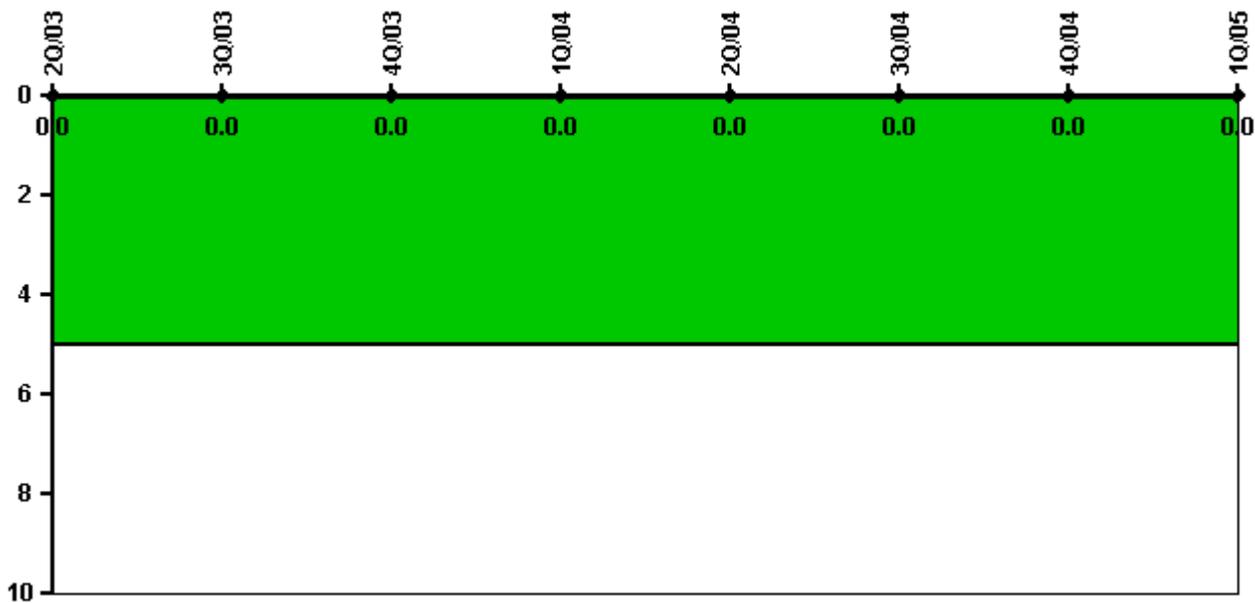
Notes

| Safety System Unavailability, Residual Heat Removal System | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Train 1 | | | | | | | | |
| Planned unavailable hours | 21.42 | 0 | 7.62 | 26.33 | 0 | 48.46 | 0 | 3.25 |
| Unplanned unavailable hours | 21.88 | 0 | 0 | 0 | 0 | 15.82 | 1.27 | 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 | 1499.50 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| Train 2 | | | | | | | | |
| Planned unavailable hours | 21.65 | 0 | 7.48 | 6.86 | 26.84 | 56.55 | 37.14 | 15.83 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0.05 | 37.88 | 0 | 1.62 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.23 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 1499.50 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| Train 3 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 577.00 | 0 | 0 | 0 | 0 | 0 |
| Train 4 | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 577.00 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 0.4% | 0.4% | 0.4% | 0.4% | 0.4% | 0.6% | 0.6% | 0.5% |

Licensee Comments:

1Q/05: Waterford 3 is finalizing an evaluation for treating unavailability for the Residual Heat Removal System.

Safety System Functional Failures (PWR)



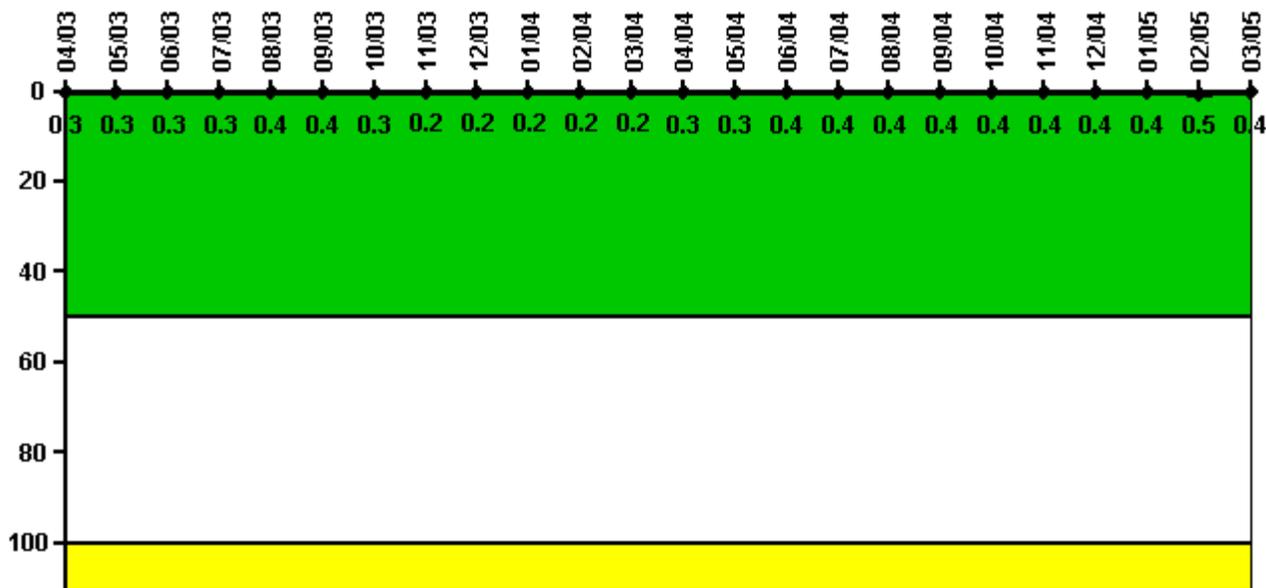
Thresholds: White > 5.0

Notes

| Safety System Functional Failures (PWR) | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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



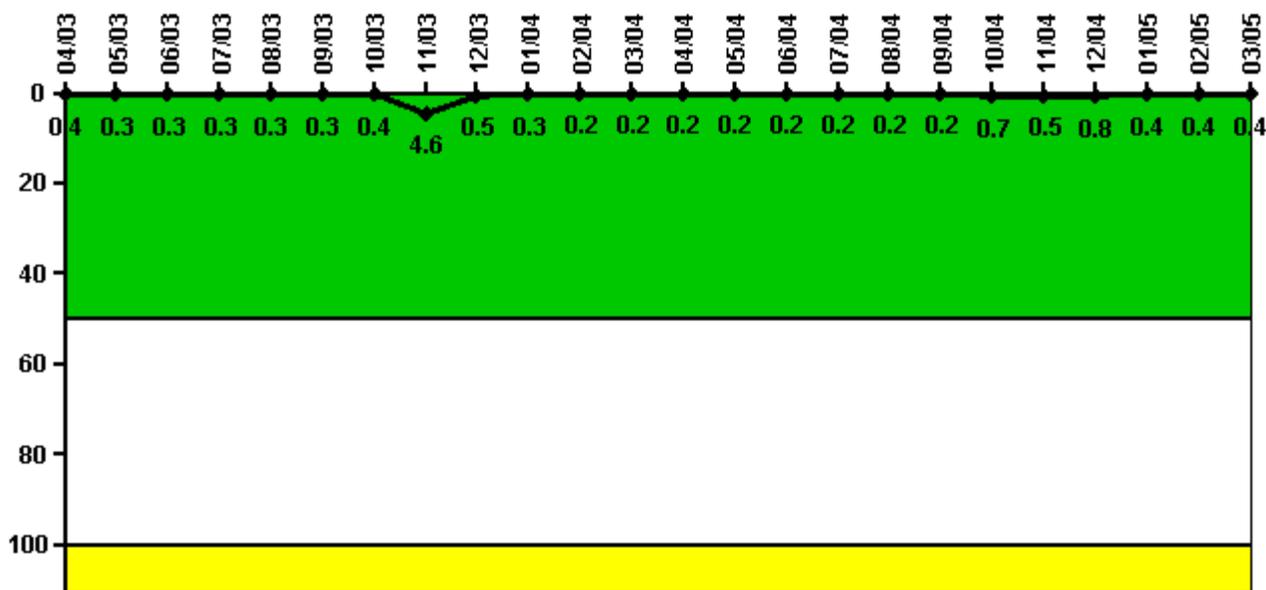
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Activity | 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 | 0.003260 | 0.003300 | 0.003350 | 0.003420 | 0.003750 | 0.003520 | 0.002950 | 0.002430 | 0.001880 | 0.001920 | 0.002120 | 0.002410 |
| 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 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Reactor Coolant System Activity | 4/04 | 5/04 | 6/04 | 7/04 | 8/04 | 9/04 | 10/04 | 11/04 | 12/04 | 1/05 | 2/05 | 3/05 |
| Maximum activity | 0.002840 | 0.003340 | 0.003600 | 0.003660 | 0.003660 | 0.003930 | 0.004410 | 0.004250 | 0.004330 | 0.004330 | 0.004810 | 0.004490 |
| 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 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 |

Licensee Comments: none

Reactor Coolant System Leakage



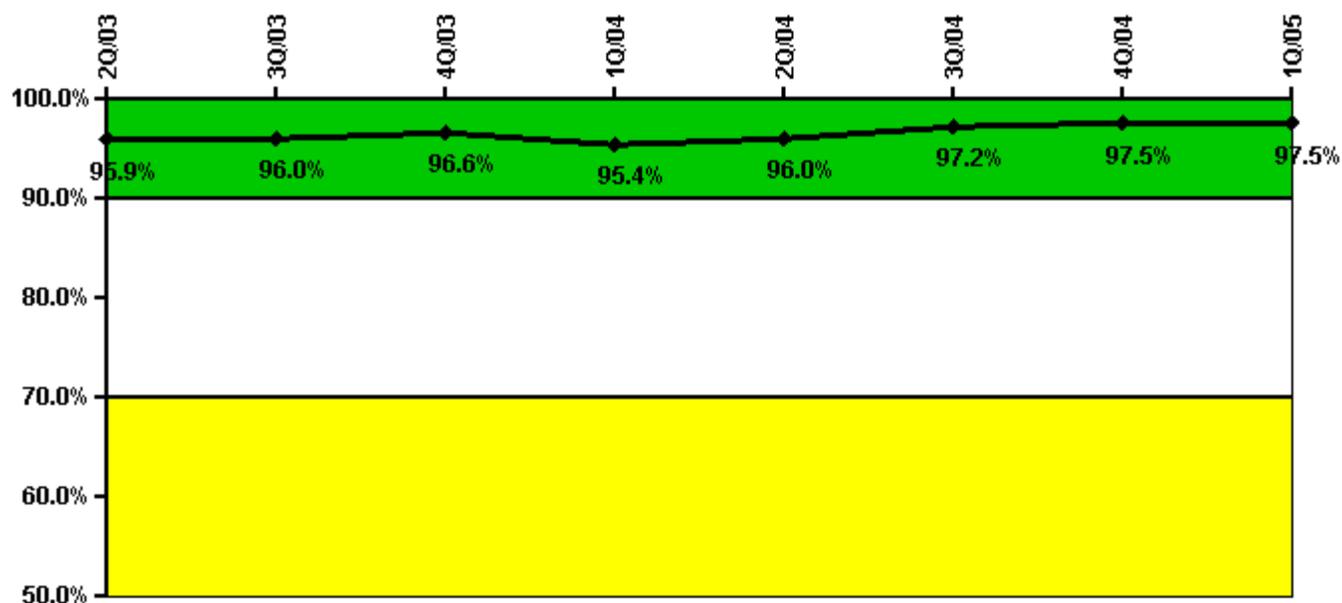
Thresholds: White > 50.0 Yellow > 100.0

Notes

| 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 | 0.038 | 0.028 | 0.027 | 0.027 | 0.028 | 0.028 | 0.037 | 0.464 | 0.046 | 0.026 | 0.017 | 0.018 |
| 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 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 4.6 | 0.5 | 0.3 | 0.2 | 0.2 |
| Reactor Coolant System Leakage | 4/04 | 5/04 | 6/04 | 7/04 | 8/04 | 9/04 | 10/04 | 11/04 | 12/04 | 1/05 | 2/05 | 3/05 |
| Maximum leakage | 0.020 | 0.021 | 0.016 | 0.018 | 0.020 | 0.022 | 0.072 | 0.052 | 0.077 | 0.043 | 0.042 | 0.042 |
| 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 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.7 | 0.5 | 0.8 | 0.4 | 0.4 | 0.4 |

Licensee Comments: none

Drill/Exercise Performance



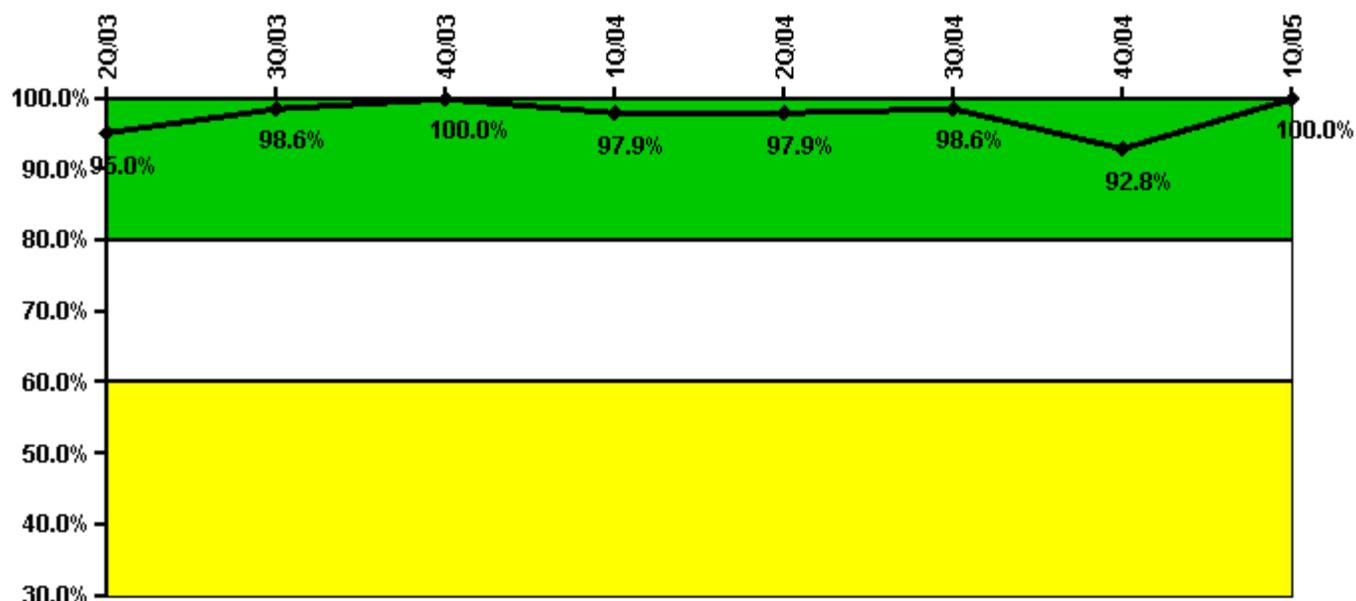
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 32.0 | 25.0 | 6.0 | 24.0 | 22.0 | 14.0 | 10.0 | 23.0 |
| Total opportunities | 32.0 | 26.0 | 6.0 | 26.0 | 22.0 | 14.0 | 10.0 | 24.0 |
| Indicator value | 95.9% | 96.0% | 96.6% | 95.4% | 96.0% | 97.2% | 97.5% | 97.5% |

Licensee Comments: none

ERO Drill Participation



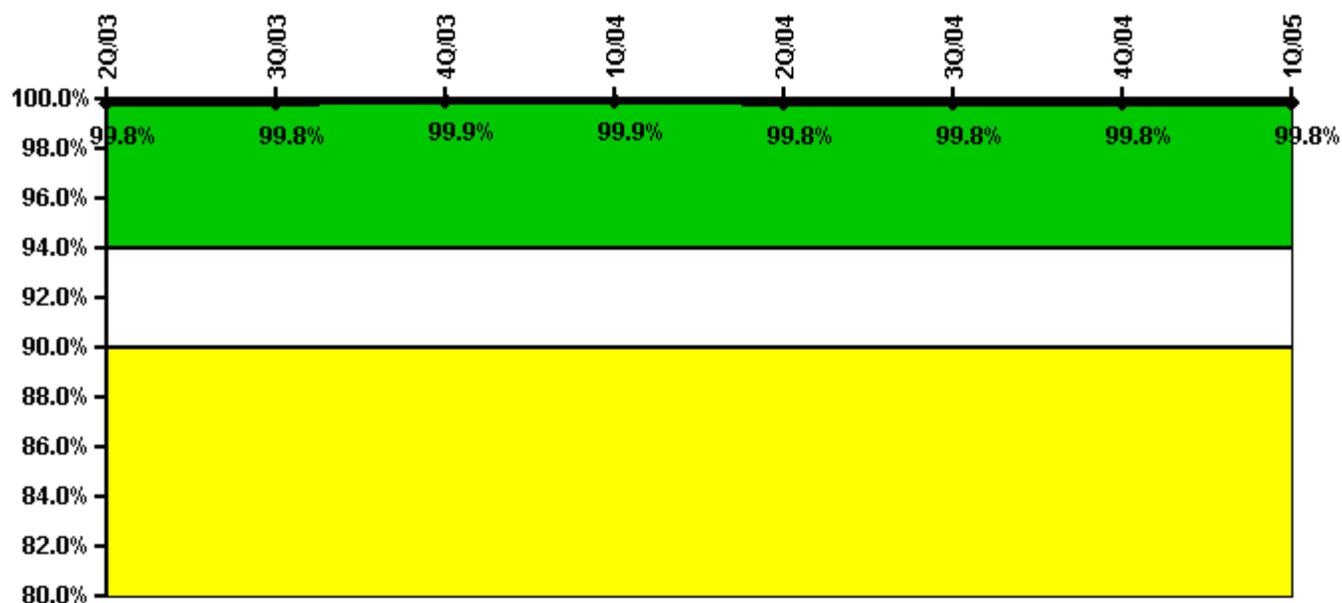
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|-----------------------------|-------|-------|--------|-------|-------|-------|-------|--------|
| Participating Key personnel | 133.0 | 140.0 | 141.0 | 140.0 | 138.0 | 137.0 | 128.0 | 134.0 |
| Total Key personnel | 140.0 | 142.0 | 141.0 | 143.0 | 141.0 | 139.0 | 138.0 | 134.0 |
| Indicator value | 95.0% | 98.6% | 100.0% | 97.9% | 97.9% | 98.6% | 92.8% | 100.0% |

Licensee Comments: none

Alert & Notification System



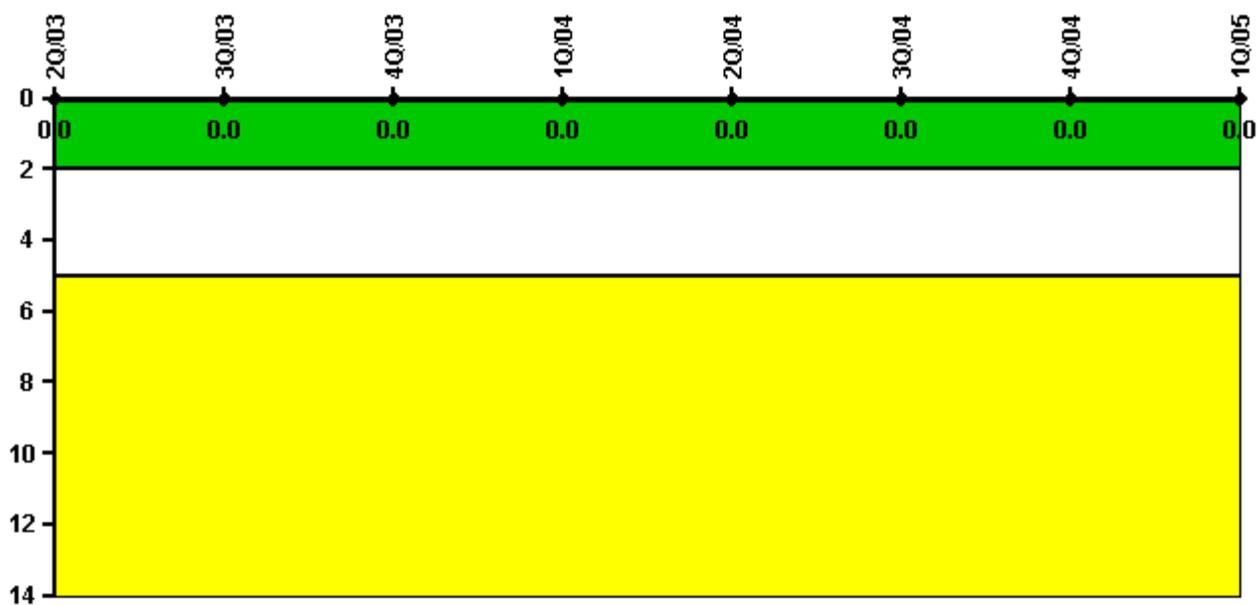
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 419 | 419 | 420 | 432 | 430 | 431 | 432 | 432 |
| Total sirens-tests | 420 | 420 | 420 | 432 | 432 | 432 | 432 | 432 |
| Indicator value | 99.8% | 99.8% | 99.9% | 99.9% | 99.8% | 99.8% | 99.8% | 99.8% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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.

▲ [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: June 17, 2005