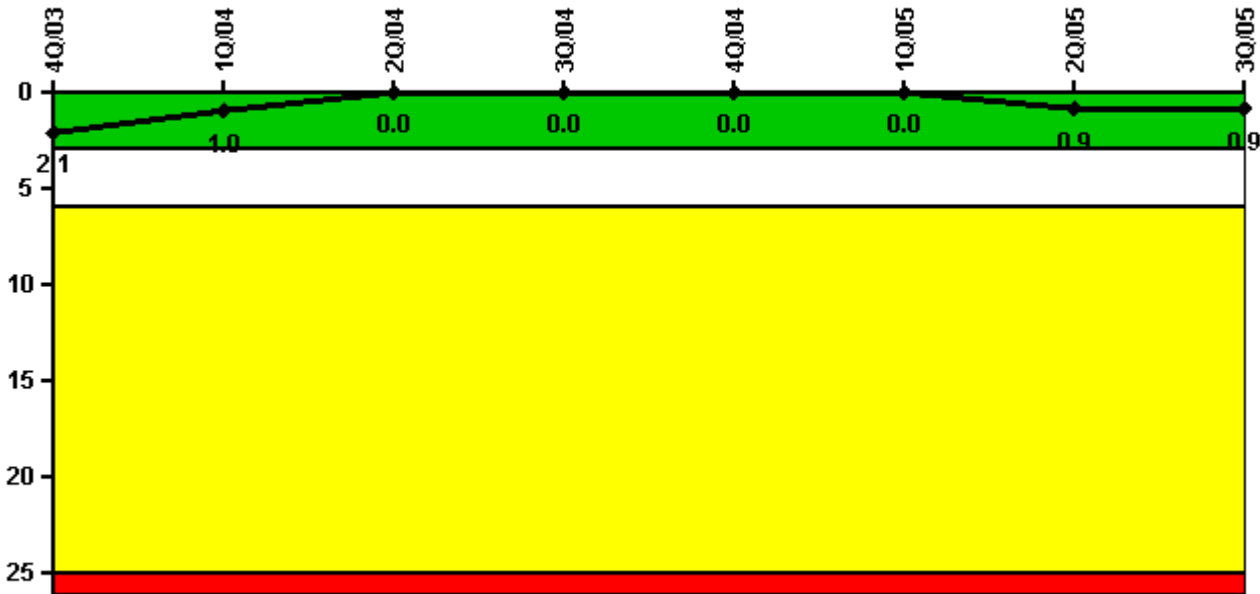


# D.C. Cook 1

## 3Q/2005 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



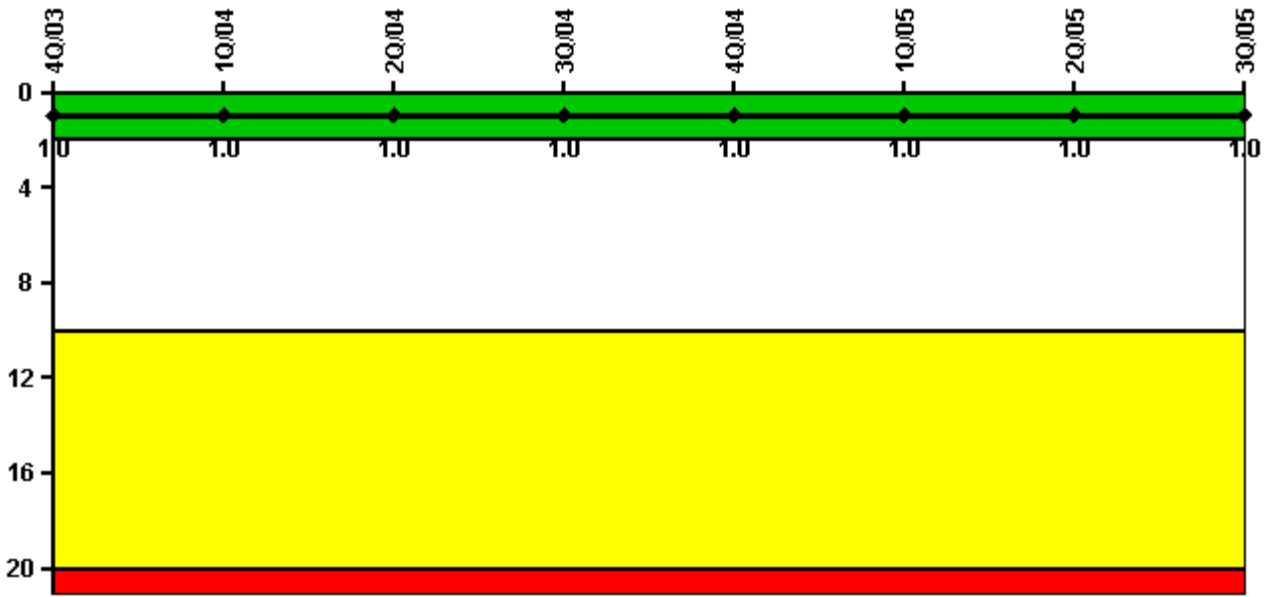
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/03  | 1Q/04  | 2Q/04  | 3Q/04  | 4Q/04  | 1Q/05  | 2Q/05  | 3Q/05  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 0      | 0      | 0      | 0      | 1.0    | 0      |
| Critical hours                         | 1277.7 | 2140.5 | 2042.4 | 2208.0 | 2209.0 | 2016.2 | 1584.6 | 2190.6 |
| Indicator value                        | 2.1    | 1.0    | 0      | 0      | 0      | 0      | 0.9    | 0.9    |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



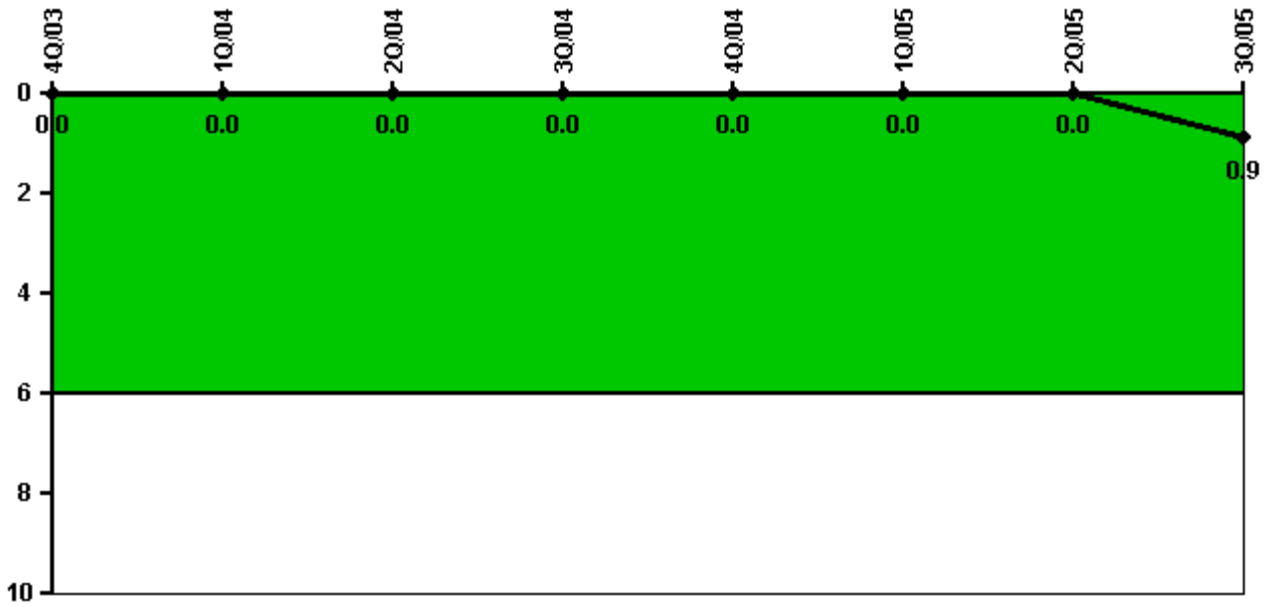
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

| Scrams with Loss of Normal Heat Removal | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams                                  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| Indicator value                         | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



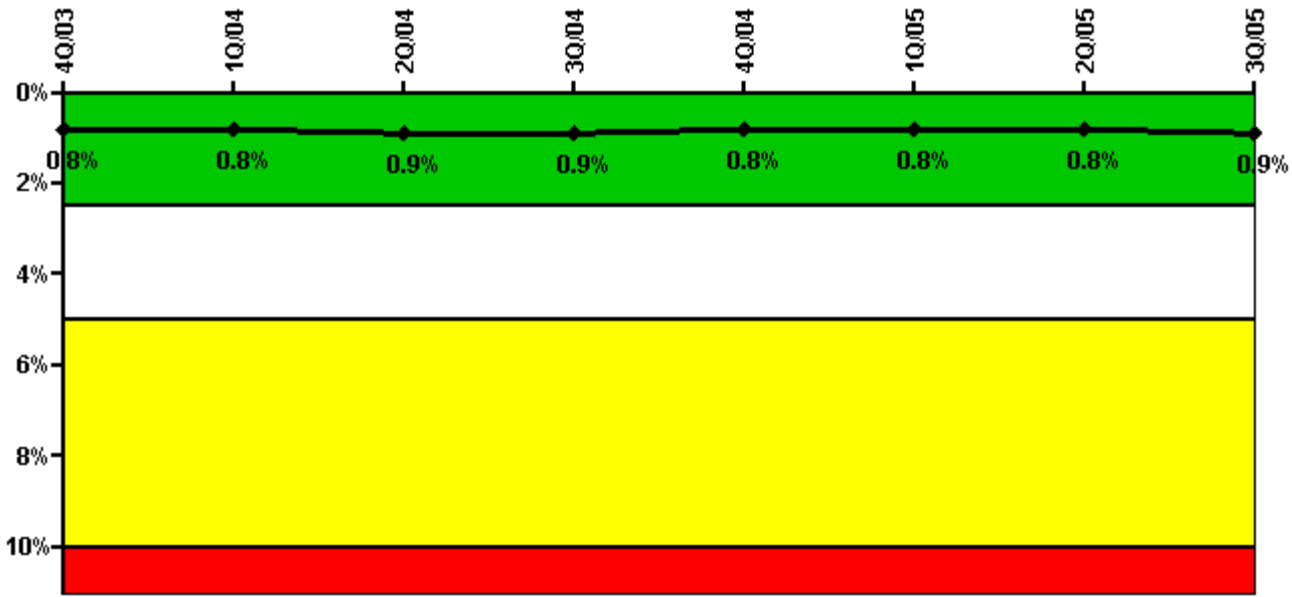
Thresholds: White > 6.0

#### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/03  | 1Q/04  | 2Q/04  | 3Q/04  | 4Q/04  | 1Q/05  | 2Q/05  | 3Q/05  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 1.0    |
| Critical hours                                | 1277.7 | 2140.5 | 2042.4 | 2208.0 | 2209.0 | 2016.2 | 1584.6 | 2190.6 |
| Indicator value                               | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0.9    |

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



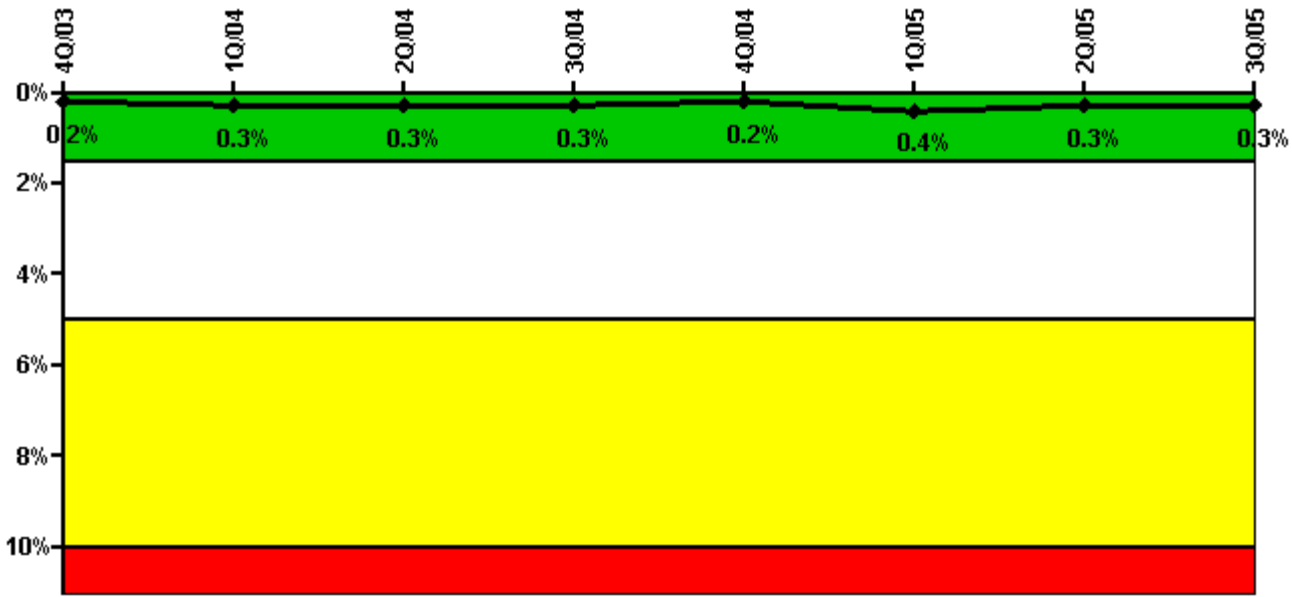
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, Emergency AC Power | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       | 3Q/05       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>                                   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                        | 13.82       | 35.46       | 21.12       | 18.58       | 12.56       | 14.90       | 1.04        | 31.38       |
| Unplanned unavailable hours                      | 0           | 0           | 16.15       | 0           | 0           | 0           | 0           | 61.28       |
| Fault exposure hours                             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours                            | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours                                   | 1732.24     | 2184.00     | 2183.00     | 2208.00     | 2209.00     | 2160.00     | 2183.00     | 2208.00     |
| <b>Train 2</b>                                   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                        | 0.66        | 20.83       | 1.15        | 15.49       | 1.61        | 17.20       | 16.15       | 1.09        |
| 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                                   | 1891.40     | 2184.00     | 2183.00     | 2208.00     | 2209.00     | 2032.12     | 1660.50     | 2208.00     |
| <b>Indicator value</b>                           | <b>0.8%</b> | <b>0.8%</b> | <b>0.9%</b> | <b>0.9%</b> | <b>0.8%</b> | <b>0.8%</b> | <b>0.8%</b> | <b>0.9%</b> |

Licensee Comments: none

### Safety System Unavailability, High Pressure Injection System (HPSI)



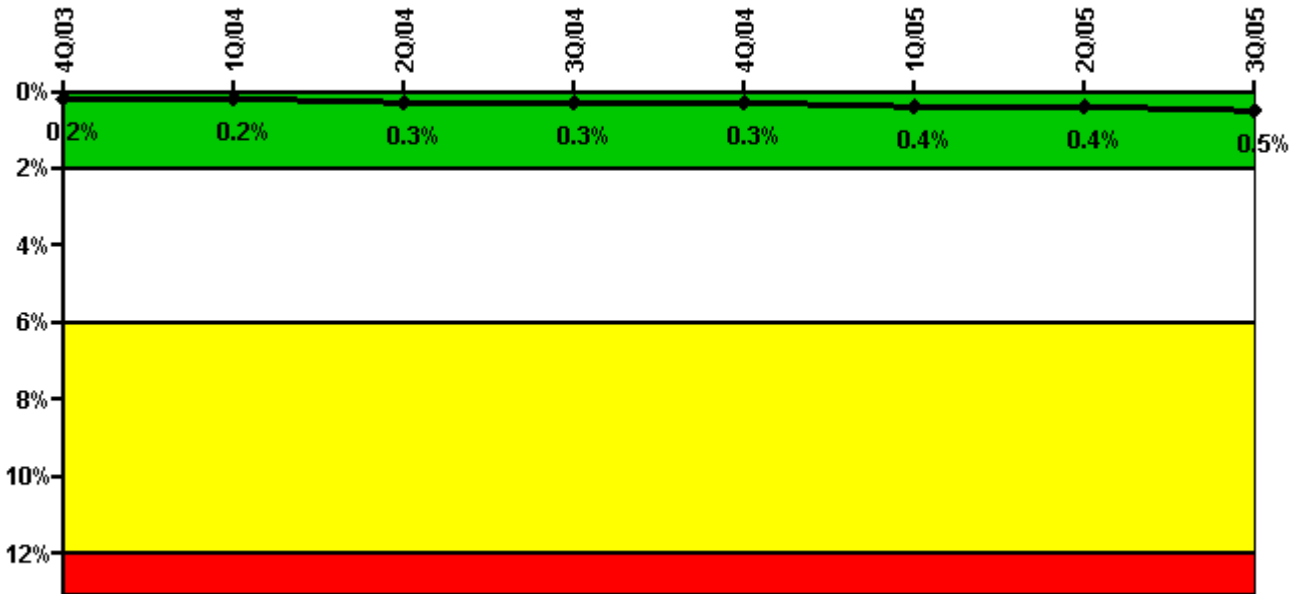
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

| Safety System Unavailability, High Pressure Injection System (HPSI) | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       | 3Q/05       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 3.37        | 2.93        | 11.27       | 23.22       | 0           | 11.25       | 0           | 9.38        |
| 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  | 1414.58     | 2159.37     | 2075.67     | 2208.00     | 2209.00     | 2032.12     | 1649.36     | 2208.00     |
| <b>Train 2</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 0           | 18.35       | 0           | 6.50        | 0           | 9.72        | 10.72       | 0           |
| Unplanned unavailable hours   | 0           | 0           | 0           | 0           | 0           | 77.15       | 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  | 1339.27     | 2170.33     | 2067.37     | 2208.00     | 2209.00     | 2023.73     | 1660.50     | 2208.00     |
| <b>Train 3</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 0           | 5.50        | 0           | 8.50        | 0           | 10.78       | 0           | 8.73        |
| 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  | 1339.27     | 2159.37     | 2067.37     | 2208.00     | 2209.00     | 2023.73     | 1649.36     | 2208.00     |
| <b>Train 4</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 0           | 3.67        | 0           | 0           | 3.88        | 0           | 0           | 9.92        |
| 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  | 1339.27     | 2159.37     | 2067.37     | 2208.00     | 2209.00     | 2023.73     | 1649.36     | 2208.00     |
| <b>Indicator value</b>  | <b>0.2%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.2%</b> | <b>0.4%</b> | <b>0.3%</b> | <b>0.3%</b> |

Licensee Comments: none

### Safety System Unavailability, Heat Removal System (AFW)



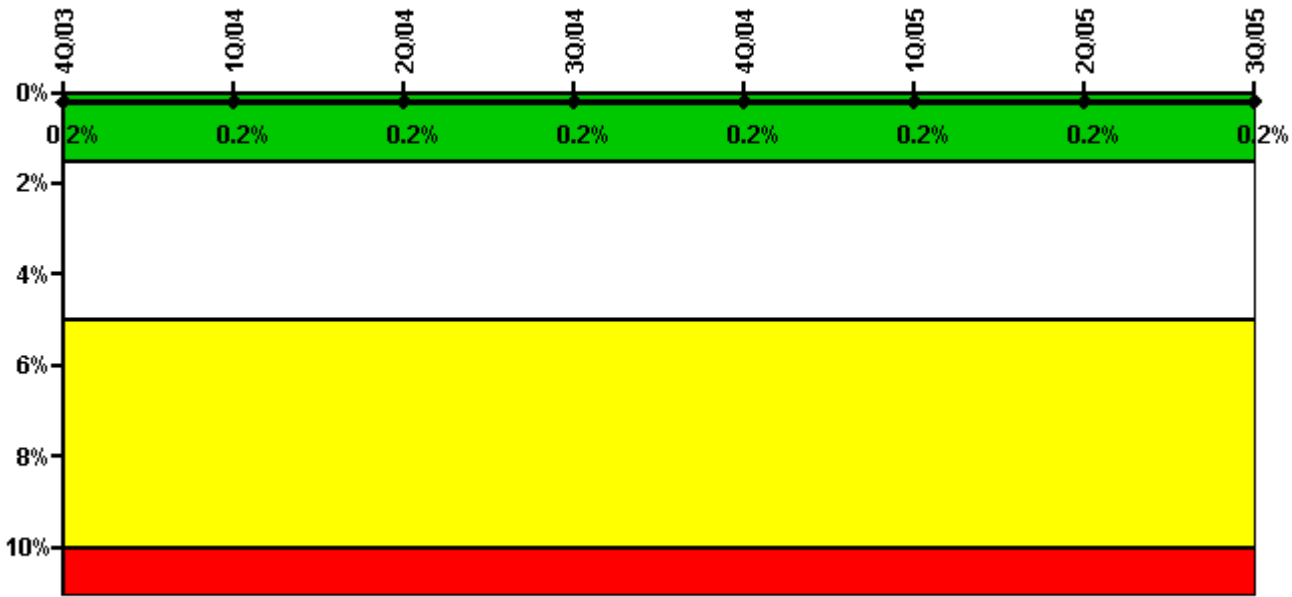
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

### Notes

| Safety System Unavailability, Heat Removal System (AFW) | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       | 3Q/05       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 0           | 0           | 15.50       | 26.73       | 10.92       | 0           | 22.67       |
| Unplanned unavailable hours                             | 5.42        | 0           | 0           | 0           | 0           | 0           | 0           | 17.38       |
| Fault exposure hours                                    | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours                                   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours  | 1339.27     | 2159.37     | 2067.37     | 2208.00     | 2209.00     | 2023.73     | 1649.36     | 2208.00     |
| <b>Train 2</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 0           | 21.58       | 0           | 7.26        | 15.25       | 16.95       | 17.84       |
| Unplanned unavailable hours                             | 0.05        | 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  | 1339.27     | 2159.37     | 2067.37     | 2208.00     | 2209.00     | 2023.73     | 1649.36     | 2208.00     |
| <b>Train 3</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 8.55        | 10.52       | 10.62       | 0           | 23.65       | 0           | 26.73       |
| Unplanned unavailable hours                             | 0.85        | 0           | 0           | 0           | 0           | 0           | 27.85       | 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  | 1339.27     | 2159.37     | 2067.37     | 2208.00     | 2209.00     | 2023.73     | 1649.36     | 2208.00     |
| <b>Indicator value</b>                                  | <b>0.2%</b> | <b>0.2%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.4%</b> | <b>0.4%</b> | <b>0.5%</b> |

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



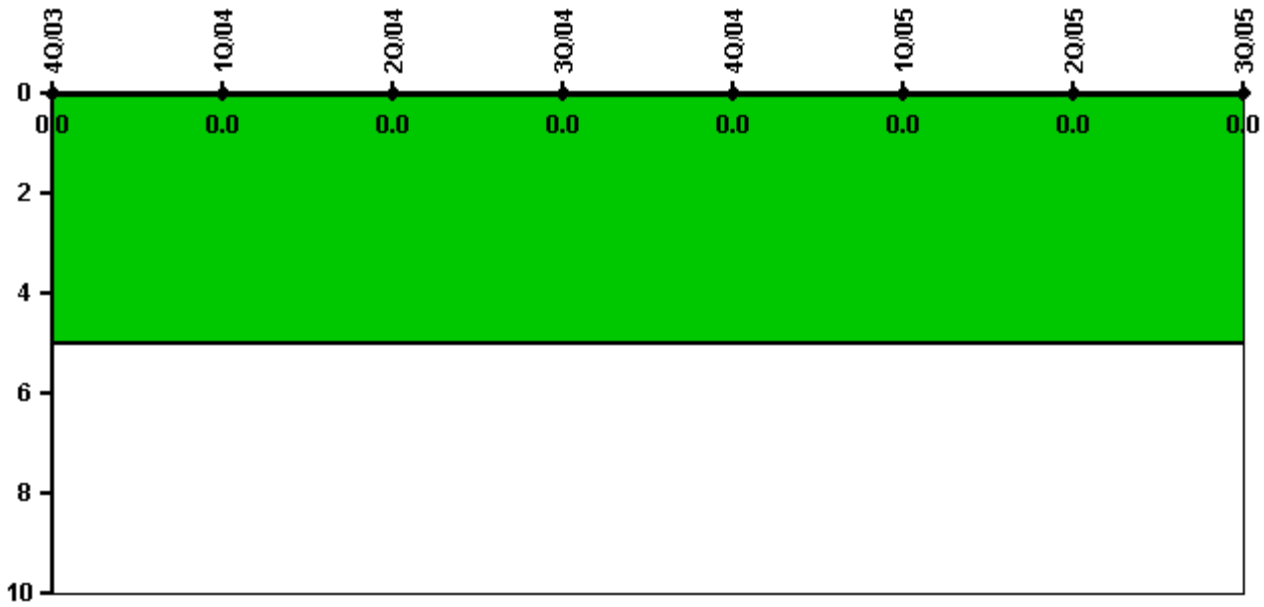
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

| Safety System Unavailability, Residual Heat Removal System | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       | 3Q/05       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 0           | 8.93        | 0           | 18.35       | 0           | 12.60       | 0           | 8.00        |
| Unplanned unavailable hours                                | 0           | 0           | 0           | 0           | 0           | 0           | 2.02        | 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   | 1949.08     | 2184.00     | 2183.00     | 2208.00     | 2209.00     | 2160.00     | 2043.50     | 2208.00     |
| <b>Train 2</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 0           | 0           | 0           | 6.92        | 0           | 4.35        | 0           | 17.15       |
| Unplanned unavailable hours                                | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 15.52       |
| Fault exposure hours                                       | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours                                      | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours   | 1949.08     | 2184.00     | 2183.00     | 2208.00     | 2209.00     | 2160.00     | 2043.50     | 2208.00     |
| <b>Indicator value</b>                                     | <b>0.2%</b> | <b>0.2%</b> | <b>0.2%</b> | <b>0.2%</b> | <b>0.2%</b> | <b>0.2%</b> | <b>0.2%</b> | <b>0.2%</b> |

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

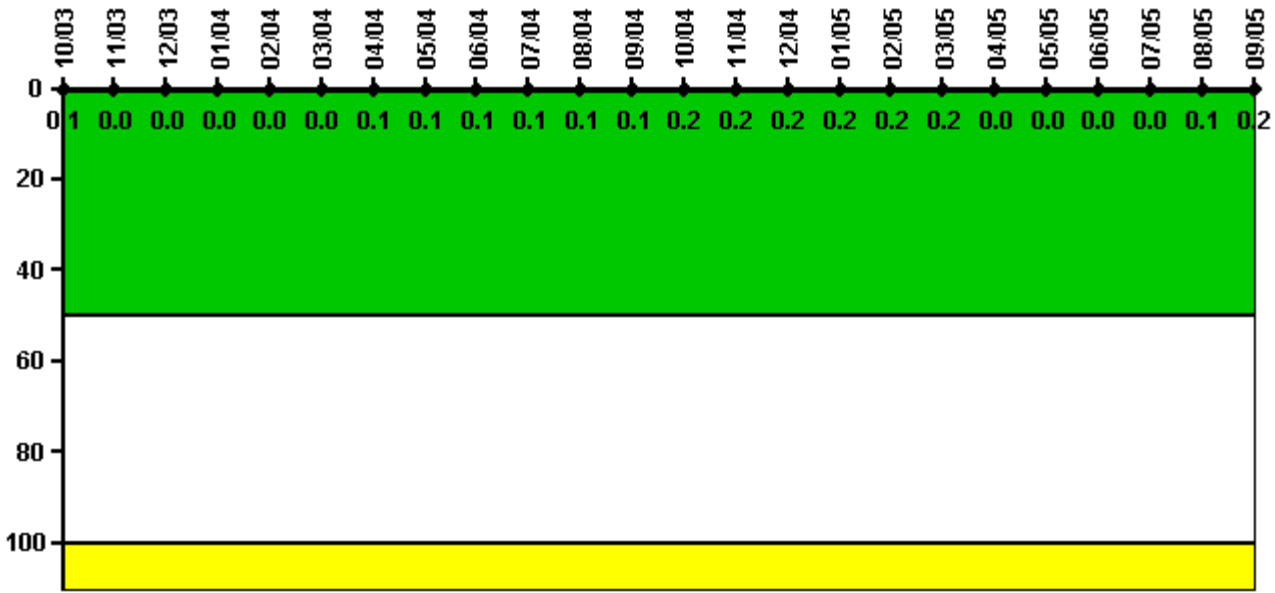
#### Notes

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



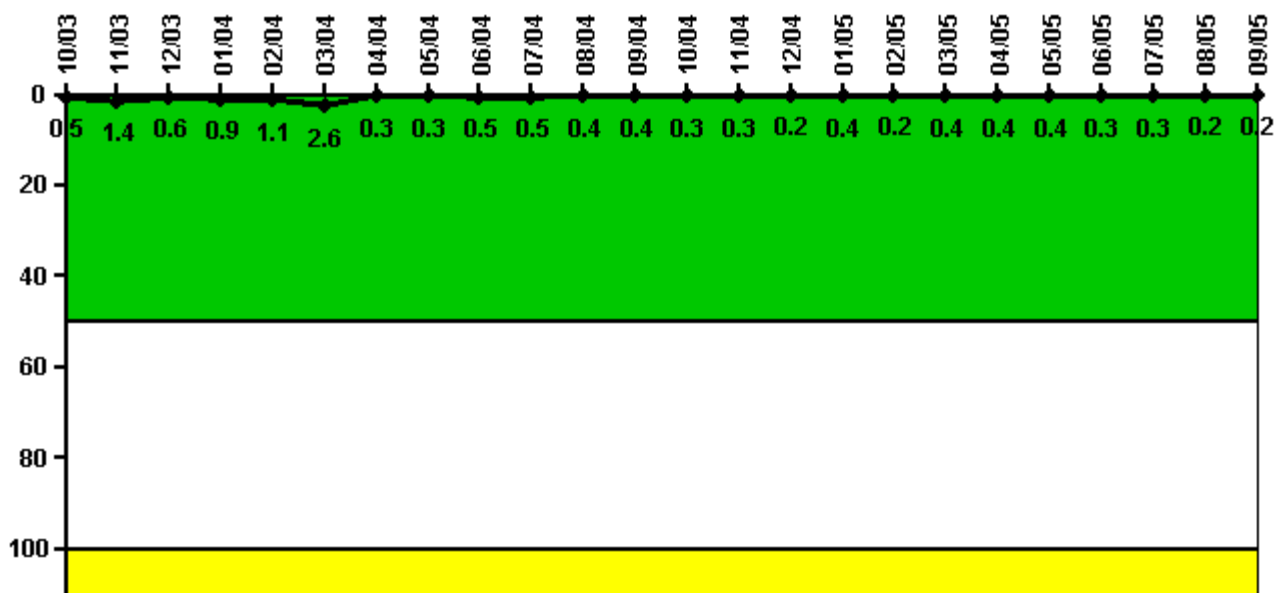
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

| Reactor Coolant System Activity | 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                | 0.000867 | 0.000234 | 0.000457 | 0.000429 | 0.000446 | 0.000467 | 0.000629 | 0.000950 | 0.000503 | 0.000502 | 0.001000 | 0.001290 |
| 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                 | 0.1      | 0        | 0        | 0        | 0        | 0        | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      |
| Reactor Coolant System Activity | 10/04    | 11/04    | 12/04    | 1/05     | 2/05     | 3/05     | 4/05     | 5/05     | 6/05     | 7/05     | 8/05     | 9/05     |
| Maximum activity                | 0.001550 | 0.002120 | 0.001980 | 0.001810 | 0.001790 | 0.001920 | 0.000165 | 0.000276 | 0.000230 | 0.000251 | 0.001440 | 0.001710 |
| 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                 | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0        | 0        | 0        | 0        | 0.1      | 0.2      |

Licensee Comments: none

### Reactor Coolant System Leakage



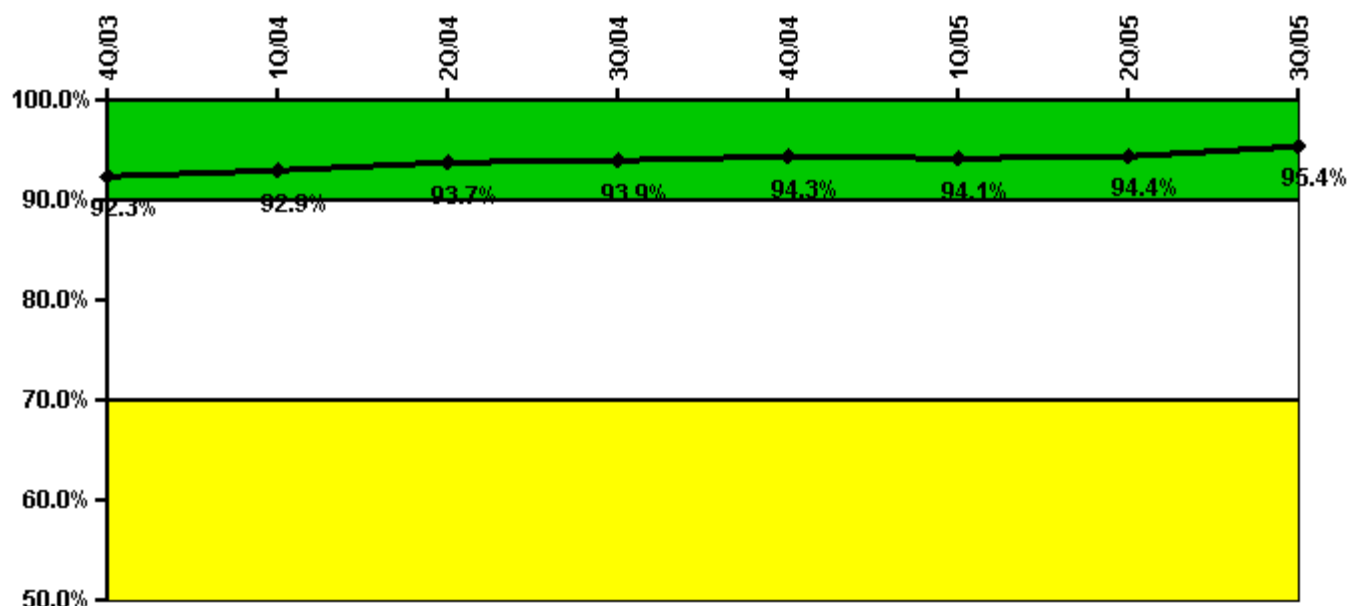
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

| 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                | 0.060 | 0.150 | 0.070 | 0.100 | 0.120 | 0.290 | 0.037 | 0.034 | 0.053 | 0.050 | 0.039 | 0.040 |
| 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   | 1.4   | 0.6   | 0.9   | 1.1   | 2.6   | 0.3   | 0.3   | 0.5   | 0.5   | 0.4   | 0.4   |
| Reactor Coolant System Leakage | 10/04 | 11/04 | 12/04 | 1/05  | 2/05  | 3/05  | 4/05  | 5/05  | 6/05  | 7/05  | 8/05  | 9/05  |
| Maximum leakage                | 0.029 | 0.028 | 0.027 | 0.039 | 0.018 | 0.040 | 0.044 | 0.041 | 0.028 | 0.033 | 0.019 | 0.020 |
| 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                | 0.3   | 0.3   | 0.2   | 0.4   | 0.2   | 0.4   | 0.4   | 0.4   | 0.3   | 0.3   | 0.2   | 0.2   |

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

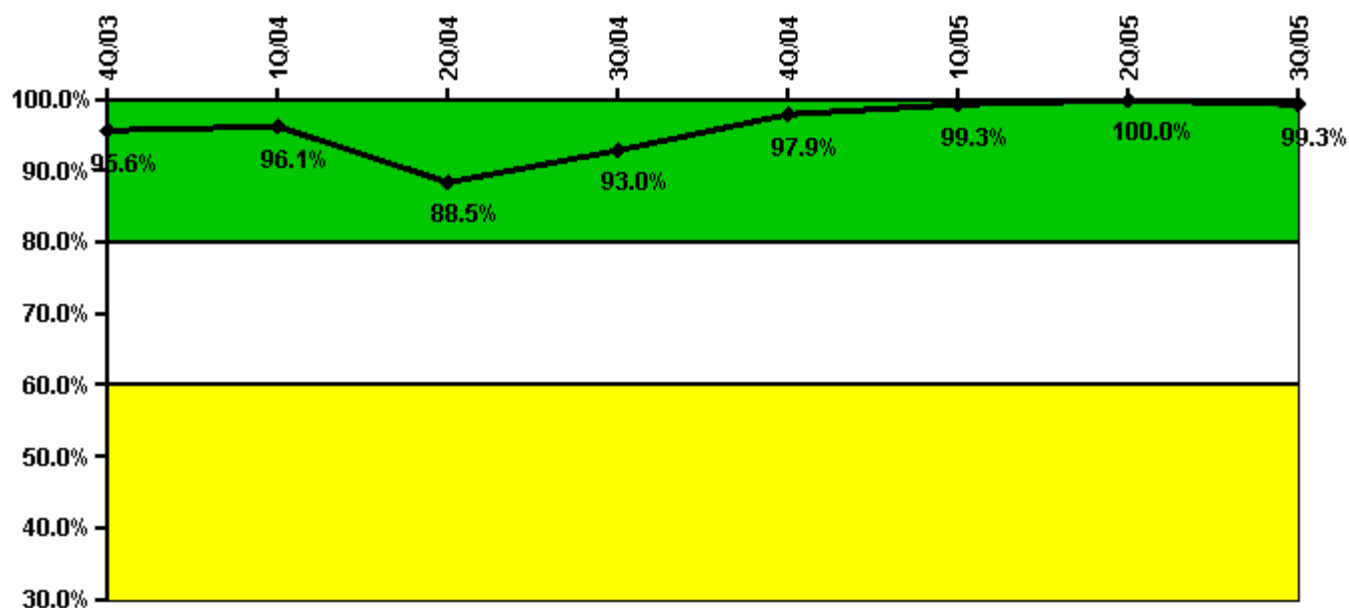
#### Notes

| Drill/Exercise Performance | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 83.0  | 132.0 | 83.0  | 74.0  | 67.0  | 89.0  | 87.0  | 108.0 |
| Total opportunities        | 90.0  | 137.0 | 89.0  | 78.0  | 68.0  | 93.0  | 91.0  | 112.0 |
| Indicator value            | 92.3% | 92.9% | 93.7% | 93.9% | 94.3% | 94.1% | 94.4% | 95.4% |

Licensee Comments:

2Q/05: Data revised to remove one successful opportunity that was inadvertently counted twice.

### ERO Drill Participation



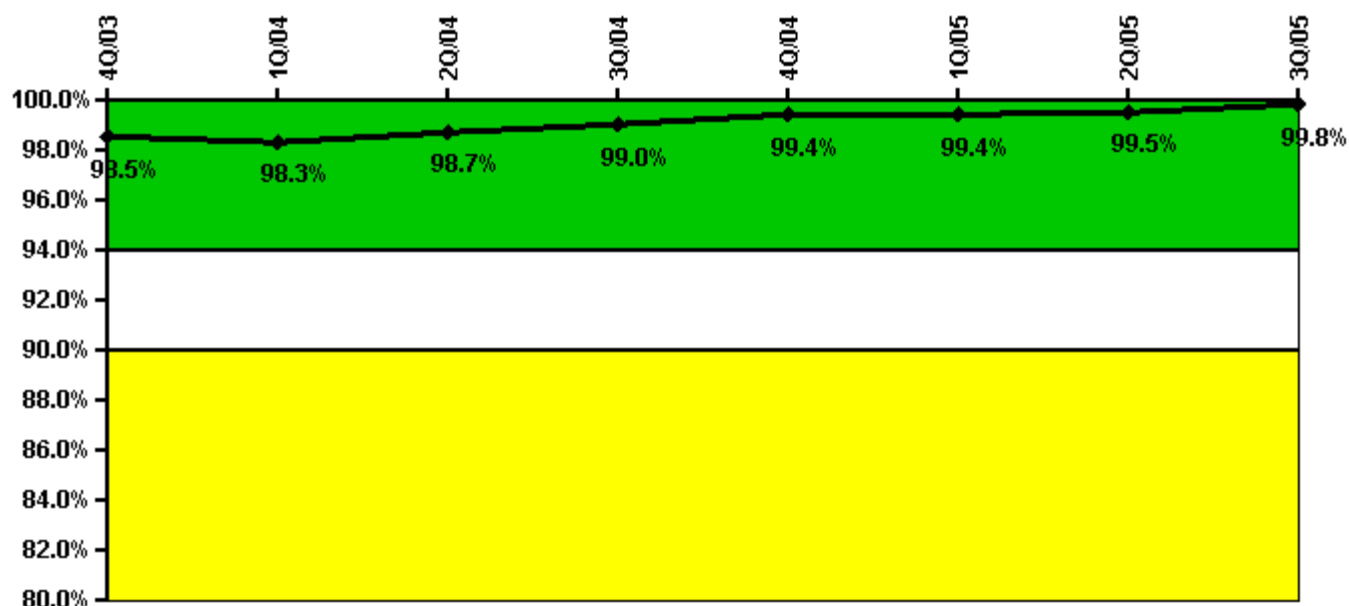
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05  | 3Q/05 |
|-----------------------------|-------|-------|-------|-------|-------|-------|--------|-------|
| Participating Key personnel | 129.0 | 124.0 | 131.0 | 133.0 | 138.0 | 151.0 | 146.0  | 147.0 |
| Total Key personnel         | 135.0 | 129.0 | 148.0 | 143.0 | 141.0 | 152.0 | 146.0  | 148.0 |
| Indicator value             | 95.6% | 96.1% | 88.5% | 93.0% | 97.9% | 99.3% | 100.0% | 99.3% |

Licensee Comments: none

### Alert & Notification System



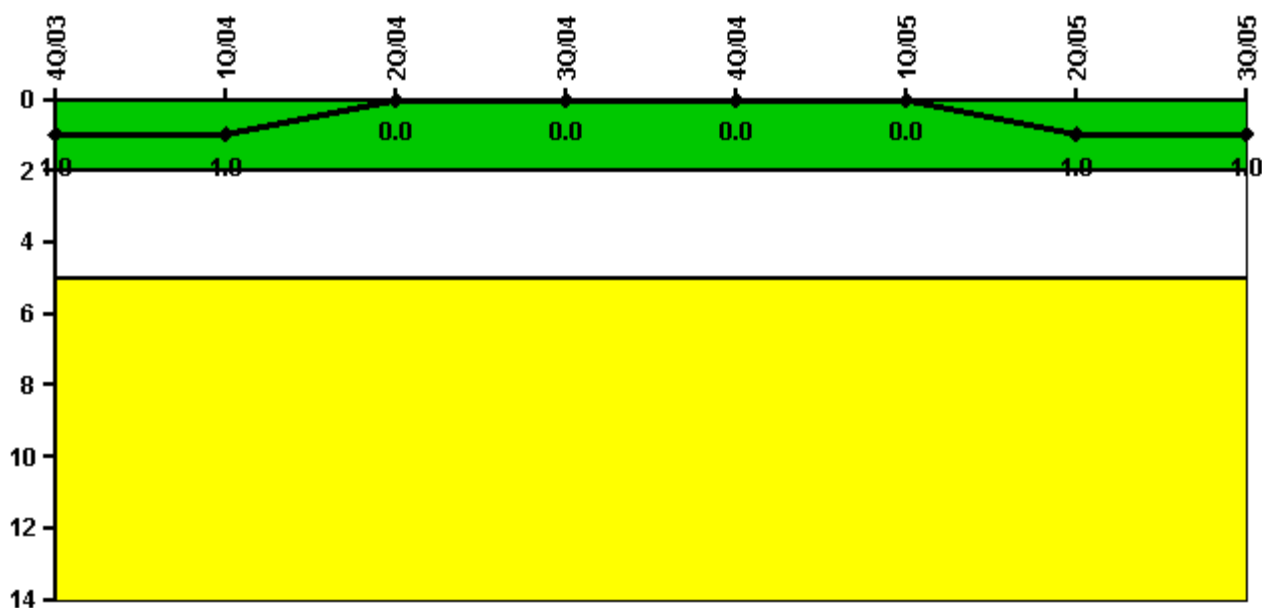
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 207   | 209   | 208   | 208   | 210   | 209   | 209   | 210   |
| Total sirens-tests          | 210   | 210   | 210   | 210   | 210   | 210   | 210   | 210   |
| Indicator value             | 98.5% | 98.3% | 98.7% | 99.0% | 99.4% | 99.4% | 99.5% | 99.8% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

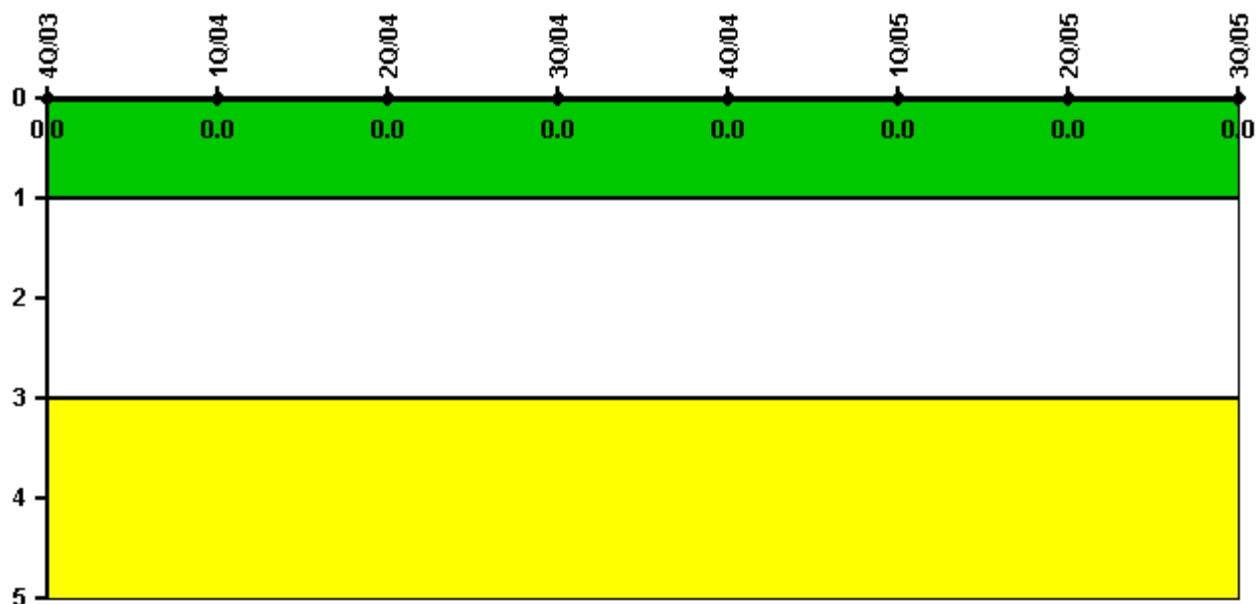
#### Notes

| Occupational Exposure Control Effectiveness | 4Q/03    | 1Q/04    | 2Q/04    | 3Q/04    | 4Q/04    | 1Q/05    | 2Q/05    | 3Q/05    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences             | 0        | 0        | 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        |
| <b>Indicator value</b>                      | <b>1</b> | <b>1</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>1</b> |

Licensee Comments:

2Q/05: This PI was revised based on an NRC violation to add one event not previously counted.

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

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