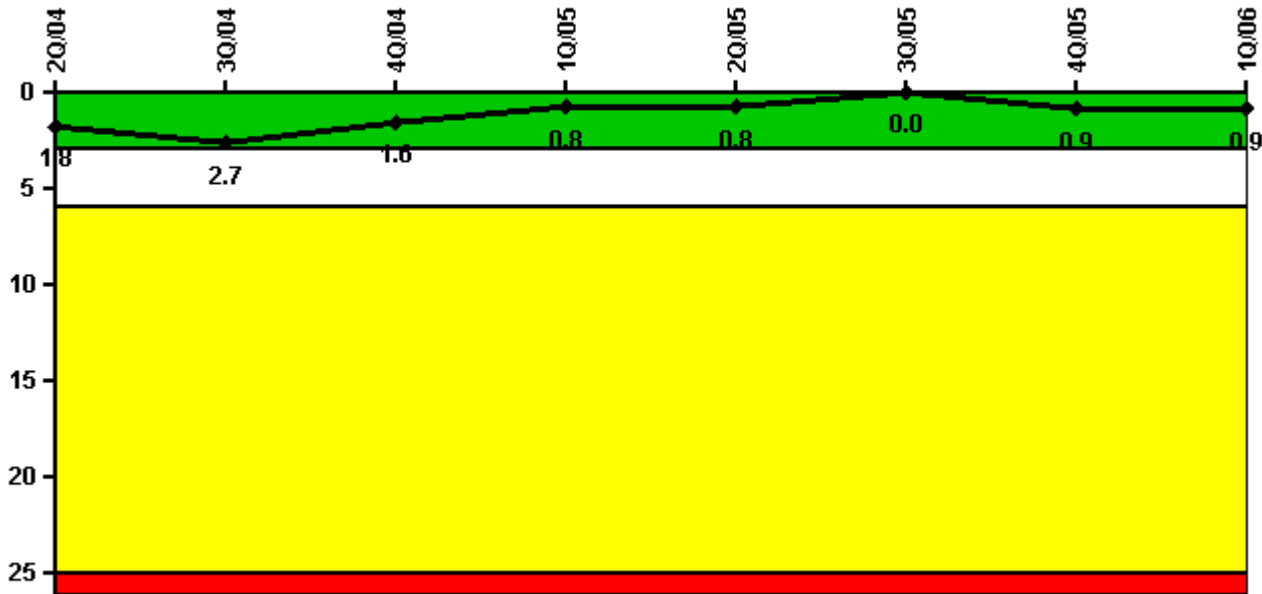


# Crystal River 3

## 1Q/2006 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



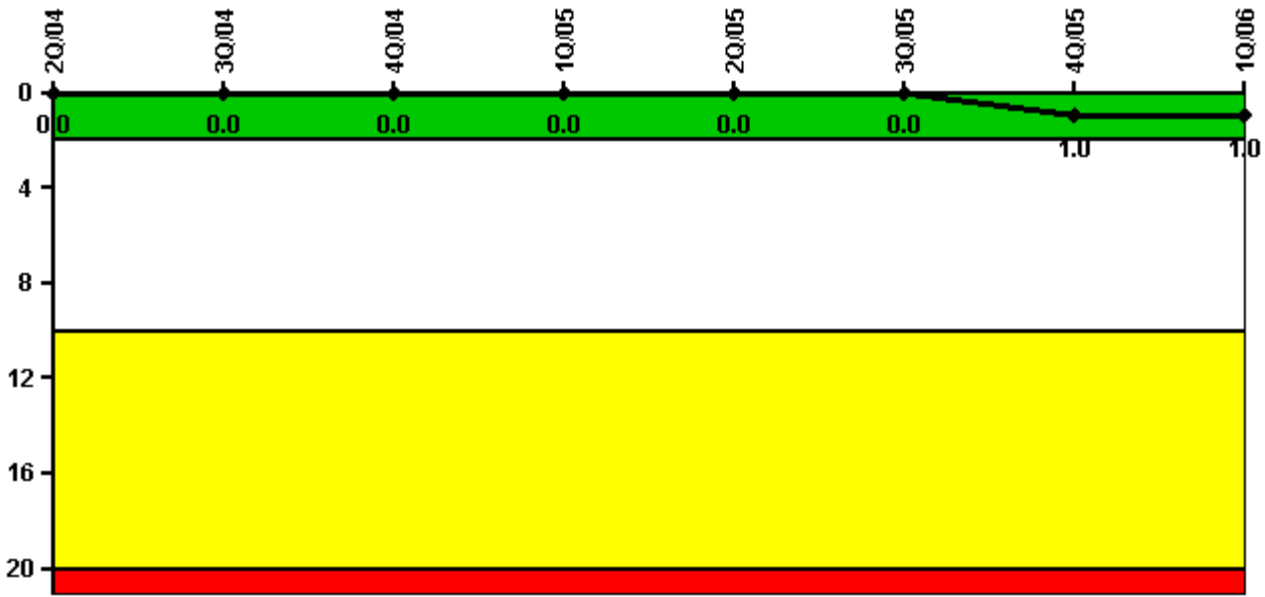
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/04  | 3Q/04  | 4Q/04  | 1Q/05  | 2Q/05  | 3Q/05  | 4Q/05  | 1Q/06  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 1.0    | 0      | 0      | 0      | 0      | 1.0    | 0      |
| Critical hours                         | 2183.0 | 2086.8 | 2209.0 | 2160.0 | 2183.0 | 2208.0 | 1199.5 | 1813.1 |
| Indicator value                        | 1.8    | 2.7    | 1.6    | 0.8    | 0.8    | 0      | 0.9    | 0.9    |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



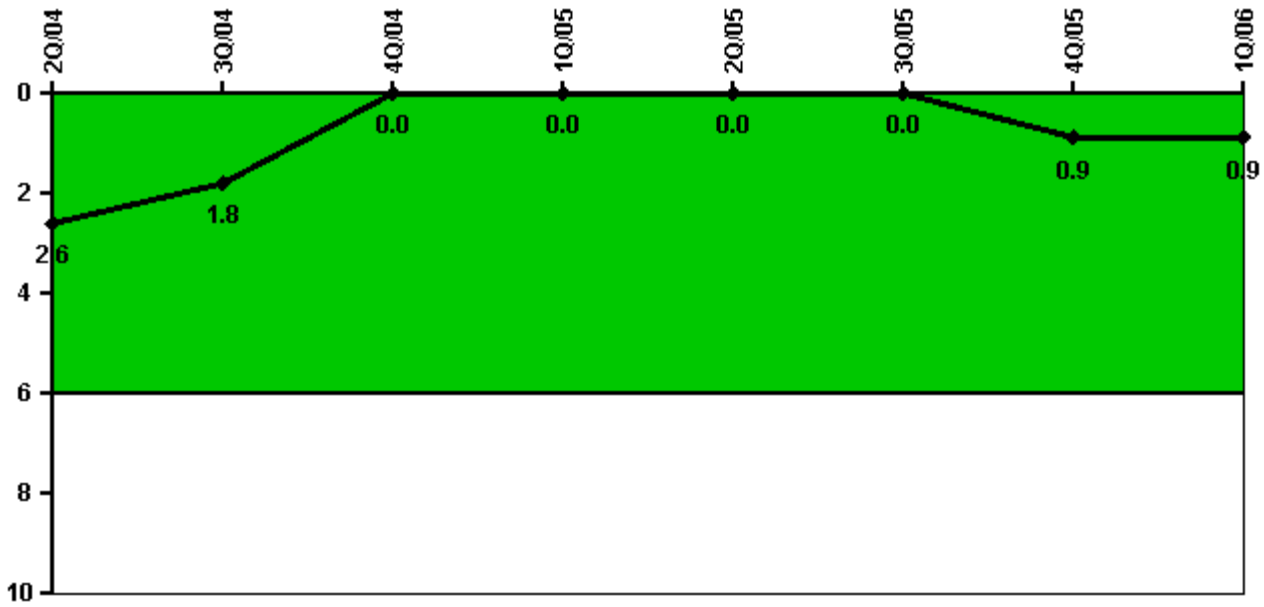
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

| Scrams with Loss of Normal Heat Removal | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams                                  | 0     | 0     | 0     | 0     | 0     | 0     | 1.0   | 0     |
| Indicator value                         | 0     | 0     | 0     | 0     | 0     | 0     | 1.0   | 1.0   |

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



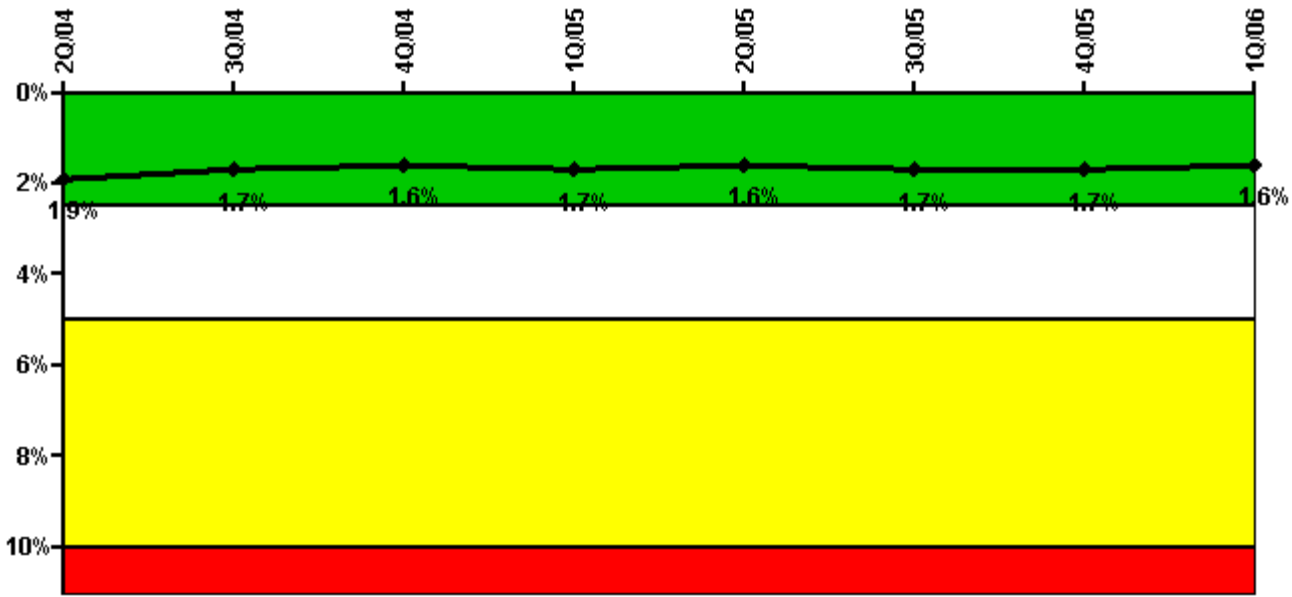
Thresholds: White > 6.0

#### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/04      | 3Q/04      | 4Q/04    | 1Q/05    | 2Q/05    | 3Q/05    | 4Q/05      | 1Q/06      |
|---|------------|------------|----------|----------|----------|----------|------------|------------|
| Unplanned power changes                       | 0          | 0          | 0        | 0        | 0        | 0        | 1.0        | 0          |
| Critical hours                                | 2183.0     | 2086.8     | 2209.0   | 2160.0   | 2183.0   | 2208.0   | 1199.5     | 1813.1     |
| <b>Indicator value</b>                        | <b>2.6</b> | <b>1.8</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0.9</b> | <b>0.9</b> |

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



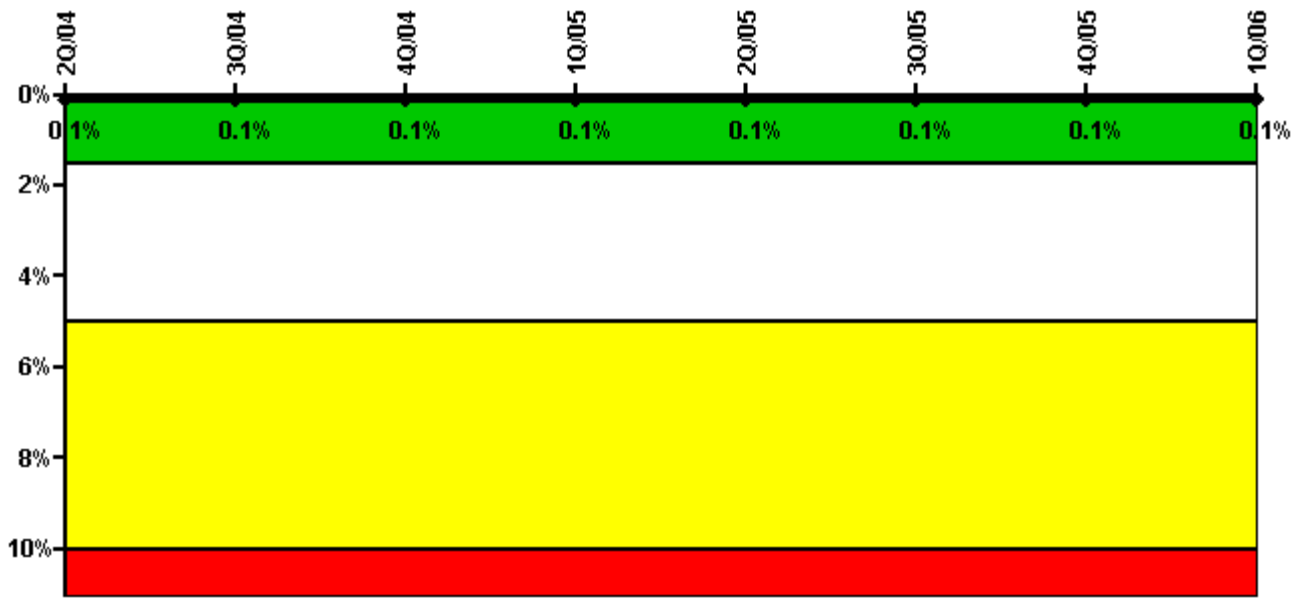
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, Emergency AC Power | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       | 3Q/05       | 4Q/05       | 1Q/06       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>                                   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                        | 50.13       | 24.49       | 24.74       | 40.72       | 26.19       | 63.68       | 23.28       | 23.38       |
| Unplanned unavailable hours                      | 10.92       | 0           | 0           | 10.90       | 0           | 0.68        | 0.50        | 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     | 2185.00     | 2160.00     |
| <b>Train 2</b>                                   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                        | 26.66       | 59.06       | 20.86       | 18.11       | 54.62       | 40.42       | 22.26       | 18.23       |
| Unplanned unavailable hours                      | 18.60       | 5.98        | 0           | 0.68        | 0           | 0           | 21.08       | 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     | 2185.00     | 2160.00     |
| <b>Indicator value</b>                           | <b>1.9%</b> | <b>1.7%</b> | <b>1.6%</b> | <b>1.7%</b> | <b>1.6%</b> | <b>1.7%</b> | <b>1.7%</b> | <b>1.6%</b> |

Licensee Comments: none

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



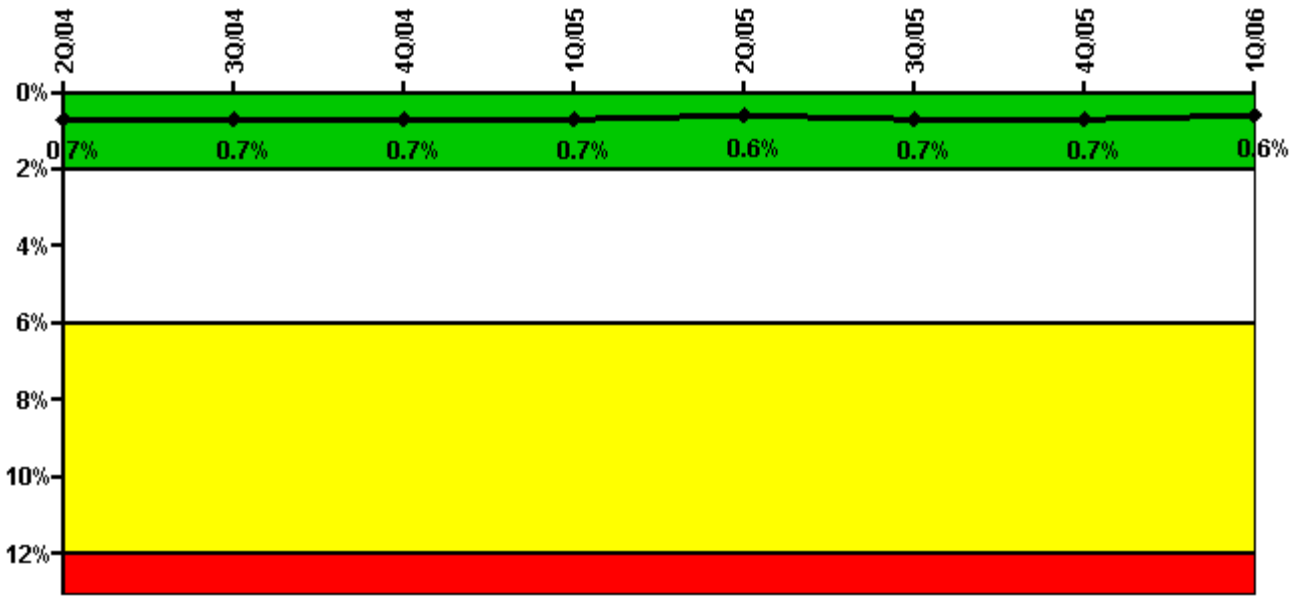
**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

**Notes**

| Safety System Unavailability, High Pressure Injection System (HPSI) | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       | 3Q/05       | 4Q/05       | 1Q/06       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 0           | 0           | 14.87       | 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  | 2183.00     | 2208.00     | 2209.00     | 2160.00     | 2183.00     | 2208.00     | 1185.00     | 2160.00     |
| <b>Train 2</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 16.50       | 9.50        | 9.38        | 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  | 2183.00     | 2208.00     | 2209.00     | 2160.00     | 2183.00     | 2208.00     | 1185.00     | 2160.00     |
| <b>Indicator value</b>  | <b>0.1%</b> | <b>0.1%</b> | <b>0.1%</b> | <b>0.1%</b> | <b>0.1%</b> | <b>0.1%</b> | <b>0.1%</b> | <b>0.1%</b> |

Licensee Comments: none

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



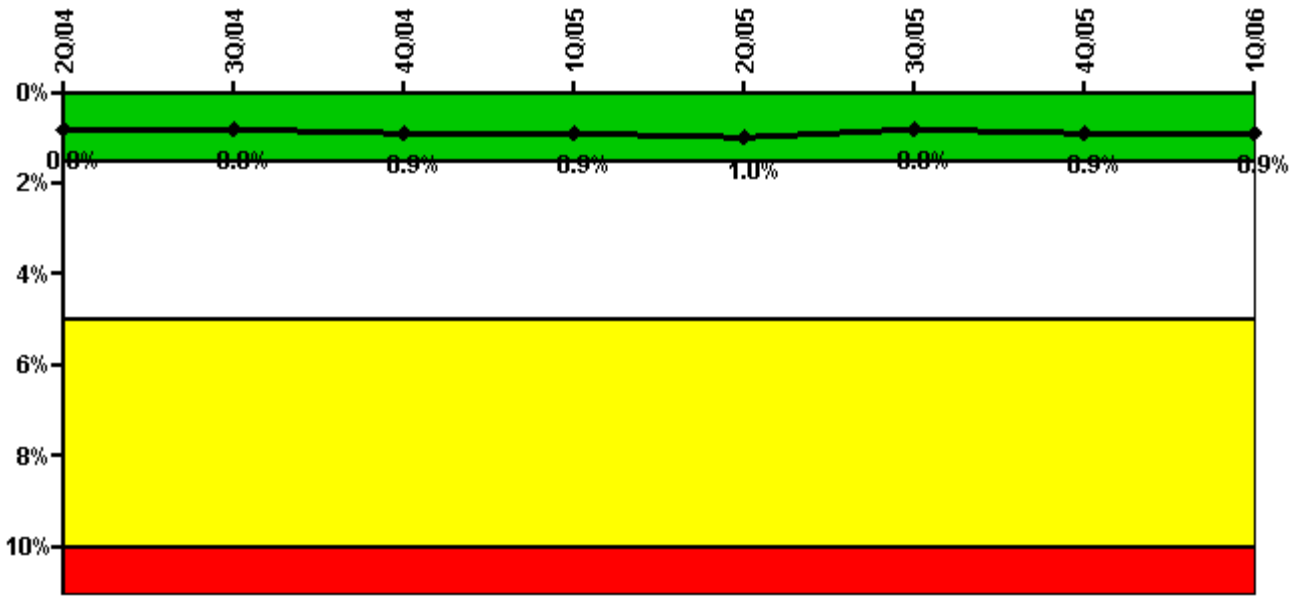
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### Notes

| Safety System Unavailability, Heat Removal System (AFW) | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       | 3Q/05       | 4Q/05       | 1Q/06       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 27.10       | 18.39       | 15.39       | 2.24        | 2.14        | 17.50       | 1.77        | 2.42        |
| Unplanned unavailable hours                             | 3.68        | 0           | 9.58        | 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     | 1274.10     | 2160.00     |
| <b>Train 2</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 35.73       | 11.53       | 0           | 22.50       | 0           | 23.95       | 36.08       | 0           |
| Unplanned unavailable hours                             | 0           | 0           | 0           | 29.55       | 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     | 1274.10     | 2160.00     |
| <b>Indicator value</b>                                  | <b>0.7%</b> | <b>0.7%</b> | <b>0.7%</b> | <b>0.7%</b> | <b>0.6%</b> | <b>0.7%</b> | <b>0.7%</b> | <b>0.6%</b> |

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



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

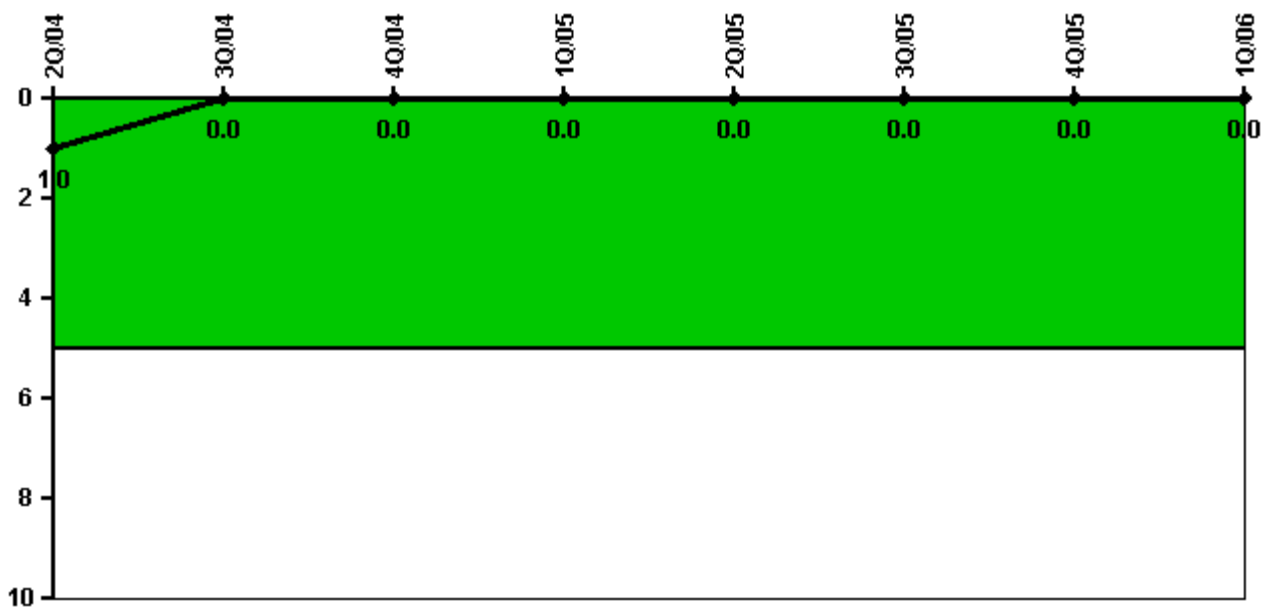
**Notes**

| Safety System Unavailability, Residual Heat Removal System | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       | 3Q/05       | 4Q/05       | 1Q/06       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 21.67       | 0.77        | 40.43       | 0.88        | 33.58       | 0.73        | 32.00       | 0.85        |
| Unplanned unavailable hours                                | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 24.35       |
| 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     | 1515.13     | 2160.00     |
| <b>Train 2</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 4.33        | 43.34       | 34.85       | 33.05       | 24.97       | 0.87        | 21.75       | 1.57        |
| 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     | 1515.13     | 2160.00     |
| <b>Indicator value</b>                                     | <b>0.8%</b> | <b>0.8%</b> | <b>0.9%</b> | <b>0.9%</b> | <b>1.0%</b> | <b>0.8%</b> | <b>0.9%</b> | <b>0.9%</b> |

Licensee Comments:

2Q/04: Residual Heat Removal Safety System Unavailability for 2Q2004 (June - Train B) is revised from a value of 0.00 to a value of 2.40 to reflect a change resulting from an internal review. The change did not result in a threshold color change.

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

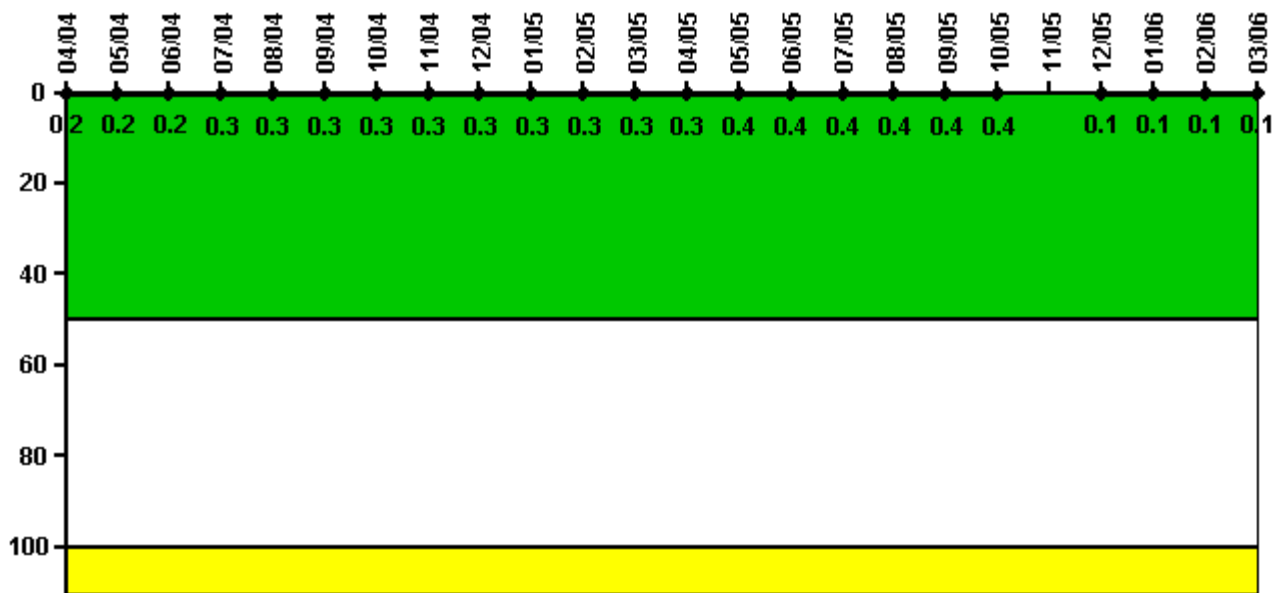
#### Notes

| Safety System Functional Failures (PWR) | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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



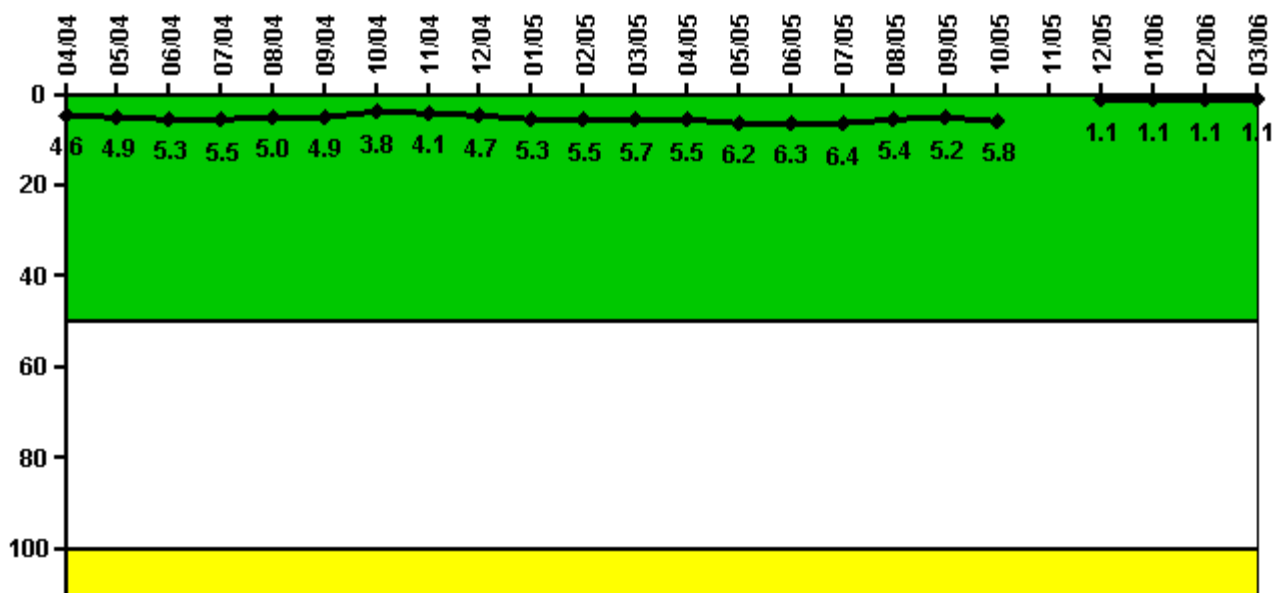
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

| Reactor Coolant System Activity | 4/04     | 5/04     | 6/04     | 7/04     | 8/04     | 9/04     | 10/04    | 11/04    | 12/04    | 1/05     | 2/05     | 3/05     |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.002230 | 0.002340 | 0.002420 | 0.002590 | 0.002710 | 0.002730 | 0.002930 | 0.003000 | 0.003200 | 0.003210 | 0.003180 | 0.003270 |
| 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      | 0.3      | 0.3      | 0.3      | 0.3      | 0.3      | 0.3      | 0.3      | 0.3      | 0.3      |
| Reactor Coolant System Activity | 4/05     | 5/05     | 6/05     | 7/05     | 8/05     | 9/05     | 10/05    | 11/05    | 12/05    | 1/06     | 2/06     | 3/06     |
| Maximum activity                | 0.003350 | 0.003650 | 0.003970 | 0.003950 | 0.004010 | 0.004010 | 0.003900 | N/A      | 0.001080 | 0.001200 | 0.001220 | 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                 | 0.3      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | N/A      | 0.1      | 0.1      | 0.1      | 0.1      |

Licensee Comments: none

### Reactor Coolant System Leakage



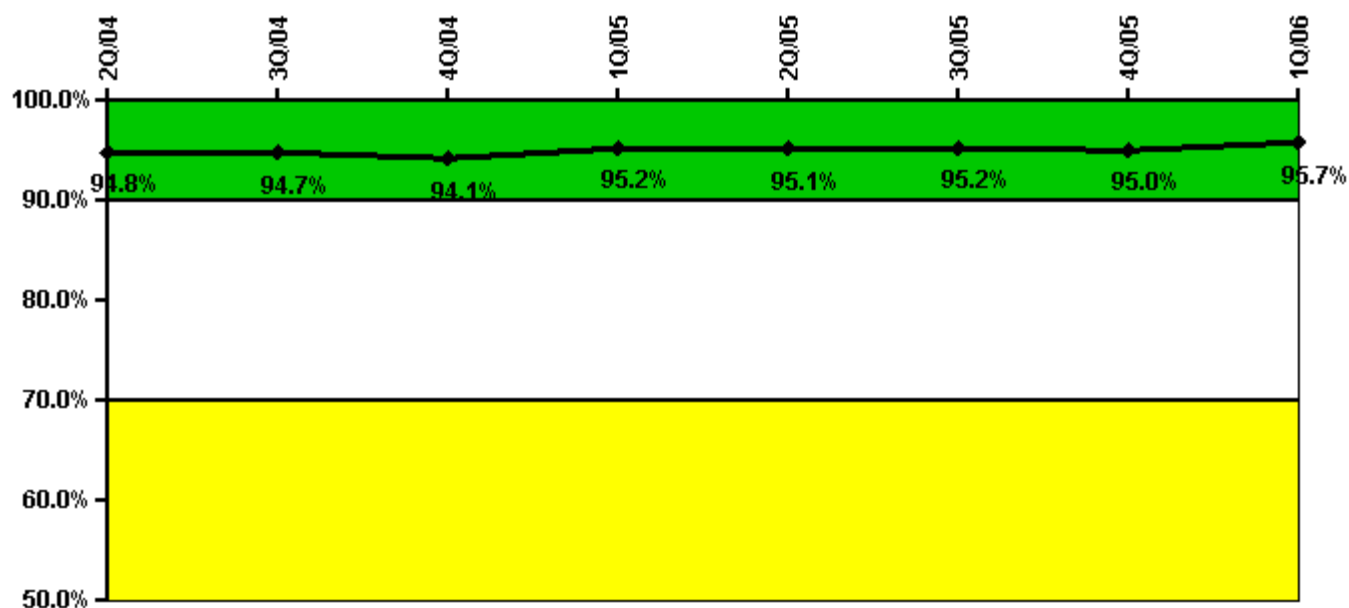
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

| 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                | 0.460 | 0.490 | 0.530 | 0.550 | 0.500 | 0.490 | 0.380 | 0.410 | 0.470 | 0.530 | 0.550 | 0.570 |
| 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                | 4.6   | 4.9   | 5.3   | 5.5   | 5.0   | 4.9   | 3.8   | 4.1   | 4.7   | 5.3   | 5.5   | 5.7   |
| Reactor Coolant System Leakage | 4/05  | 5/05  | 6/05  | 7/05  | 8/05  | 9/05  | 10/05 | 11/05 | 12/05 | 1/06  | 2/06  | 3/06  |
| Maximum leakage                | 0.550 | 0.620 | 0.630 | 0.640 | 0.540 | 0.520 | 0.580 | N/A   | 0.110 | 0.110 | 0.110 | 0.110 |
| 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                | 5.5   | 6.2   | 6.3   | 6.4   | 5.4   | 5.2   | 5.8   | N/A   | 1.1   | 1.1   | 1.1   | 1.1   |

Licensee Comments: none

### Drill/Exercise Performance



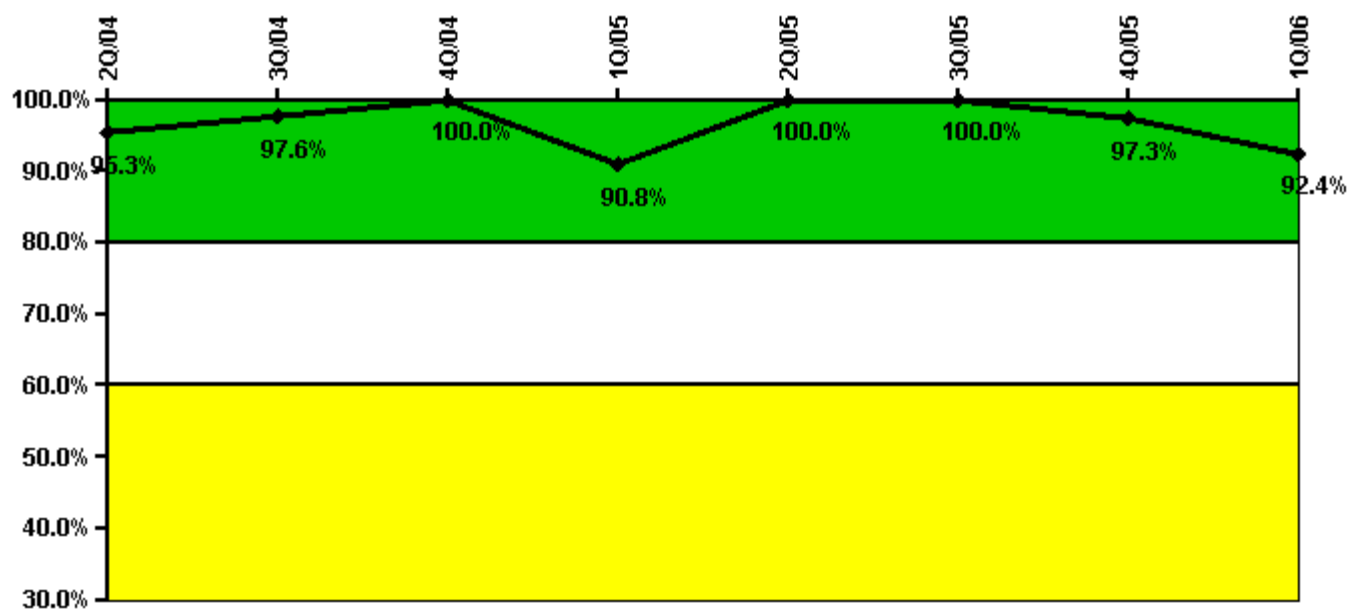
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 35.0  | 30.0  | 18.0  | 37.0  | 52.0  | 15.0  | 0     | 55.0  |
| Total opportunities        | 36.0  | 32.0  | 18.0  | 37.0  | 53.0  | 16.0  | 0     | 61.0  |
| Indicator value            | 94.8% | 94.7% | 94.1% | 95.2% | 95.1% | 95.2% | 95.0% | 95.7% |

Licensee Comments: none

### ERO Drill Participation



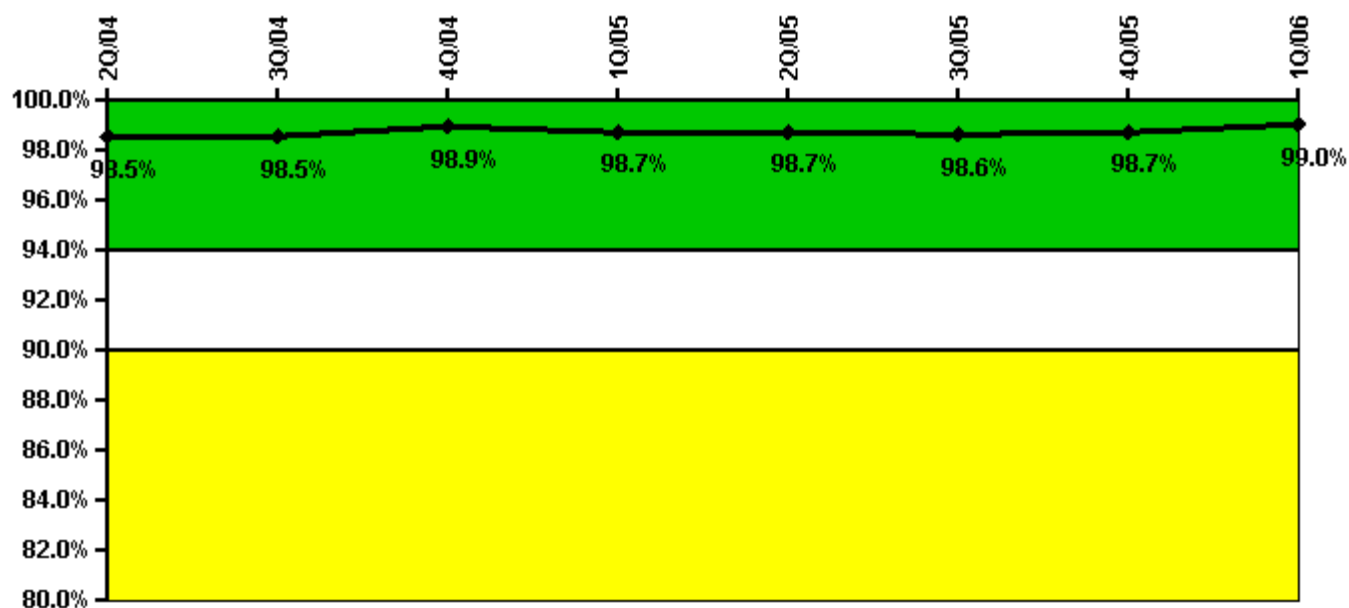
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 2Q/04 | 3Q/04 | 4Q/04  | 1Q/05 | 2Q/05  | 3Q/05  | 4Q/05 | 1Q/06 |
|-----------------------------|-------|-------|--------|-------|--------|--------|-------|-------|
| Participating Key personnel | 82.0  | 81.0  | 67.0   | 69.0  | 78.0   | 78.0   | 71.0  | 73.0  |
| Total Key personnel         | 86.0  | 83.0  | 67.0   | 76.0  | 78.0   | 78.0   | 73.0  | 79.0  |
| Indicator value             | 95.3% | 97.6% | 100.0% | 90.8% | 100.0% | 100.0% | 97.3% | 92.4% |

Licensee Comments: none

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 515   | 472   | 555   | 471   | 516   | 548   | 518   | 516   |
| Total sirens-tests          | 520   | 480   | 560   | 480   | 520   | 560   | 520   | 520   |
| Indicator value             | 98.5% | 98.5% | 98.9% | 98.7% | 98.7% | 98.6% | 98.7% | 99.0% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

**Notes**

| Occupational Exposure Control Effectiveness | 2Q/04    | 3Q/04    | 4Q/04    | 1Q/05    | 2Q/05    | 3Q/05    | 4Q/05    | 1Q/06    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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        |
| <b>Indicator value</b>                      | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

| RETS/ODCM Radiological Effluent | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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: May 5, 2006