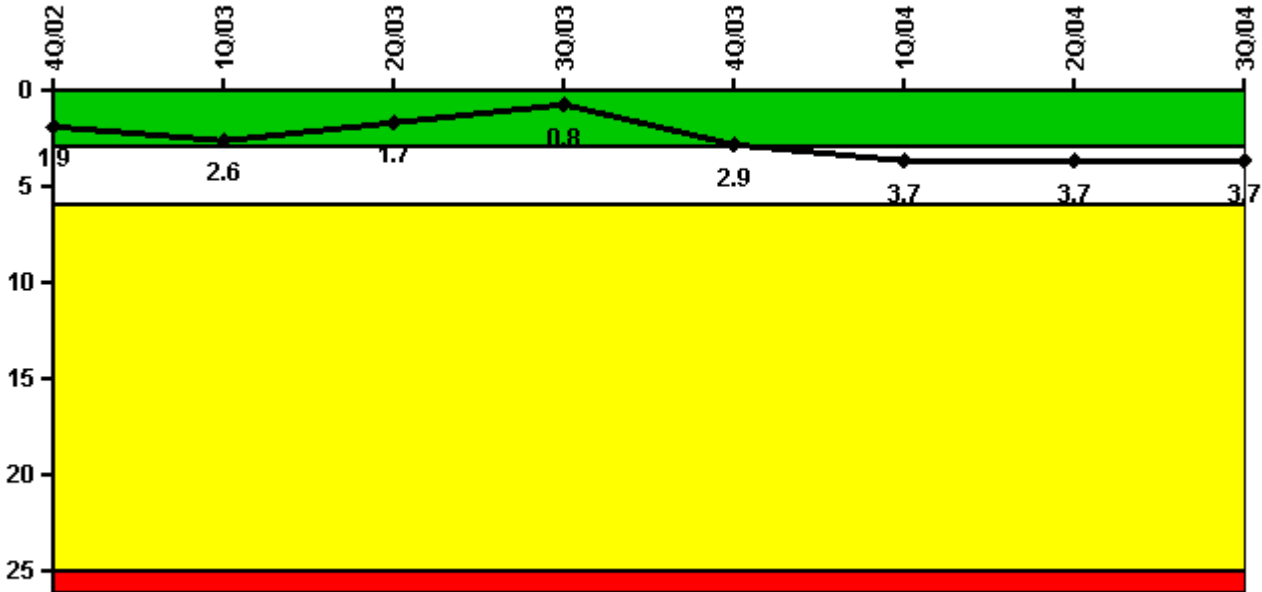


## Millstone 2

### 3Q/2004 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



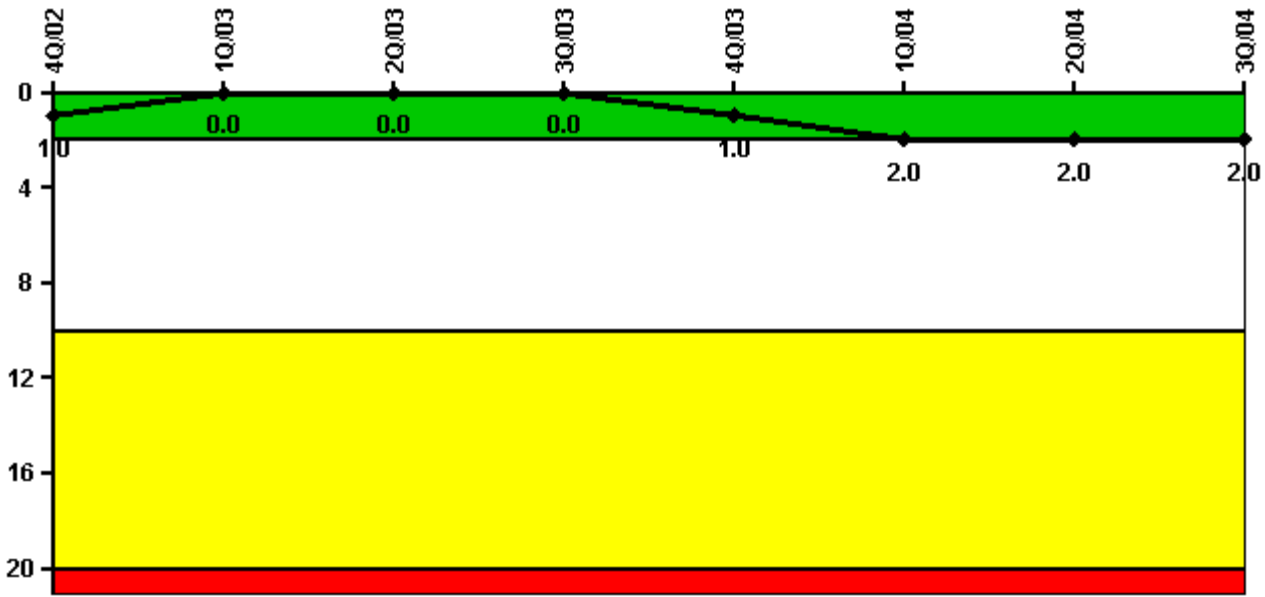
**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

#### 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      | 1.0    | 0      | 0      | 2.0    | 2.0    | 0      | 0      |
| Critical hours                         | 2209.0 | 1711.2 | 2183.0 | 2208.0 | 1075.0 | 2108.5 | 2183.0 | 2208.0 |
| Indicator value                        | 1.9    | 2.6    | 1.7    | 0.8    | 2.9    | 3.7    | 3.7    | 3.7    |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



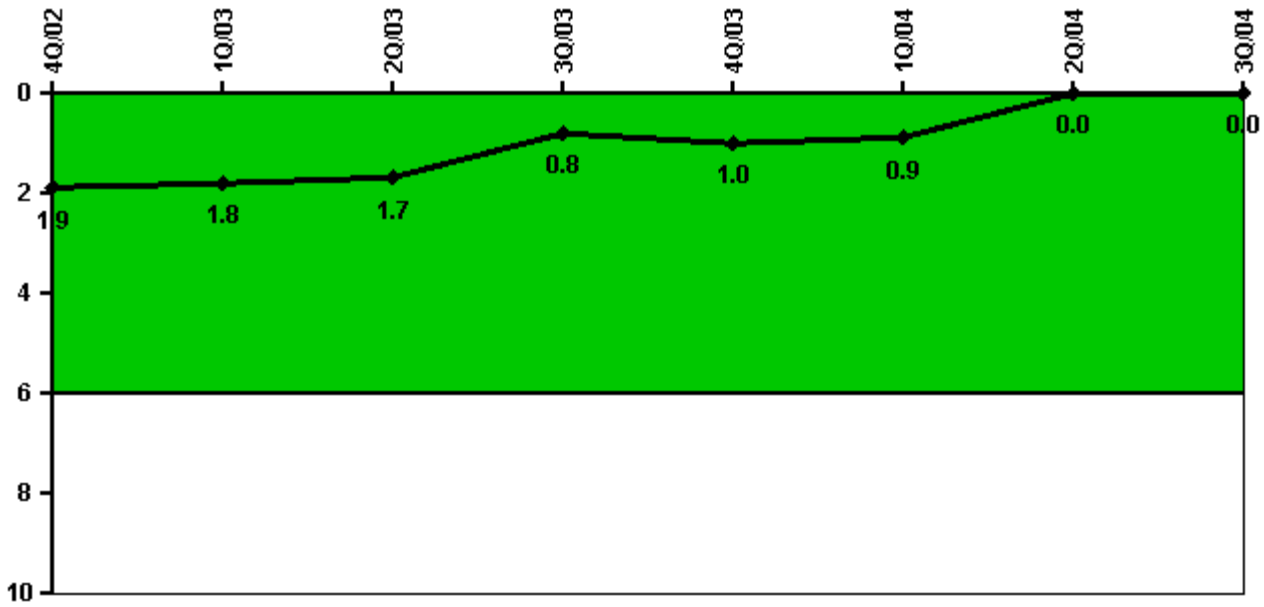
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### 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   | 1.0   | 0     | 0     |
| Indicator value                         | 1.0   | 0     | 0     | 0     | 1.0   | 2.0   | 2.0   | 2.0   |

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



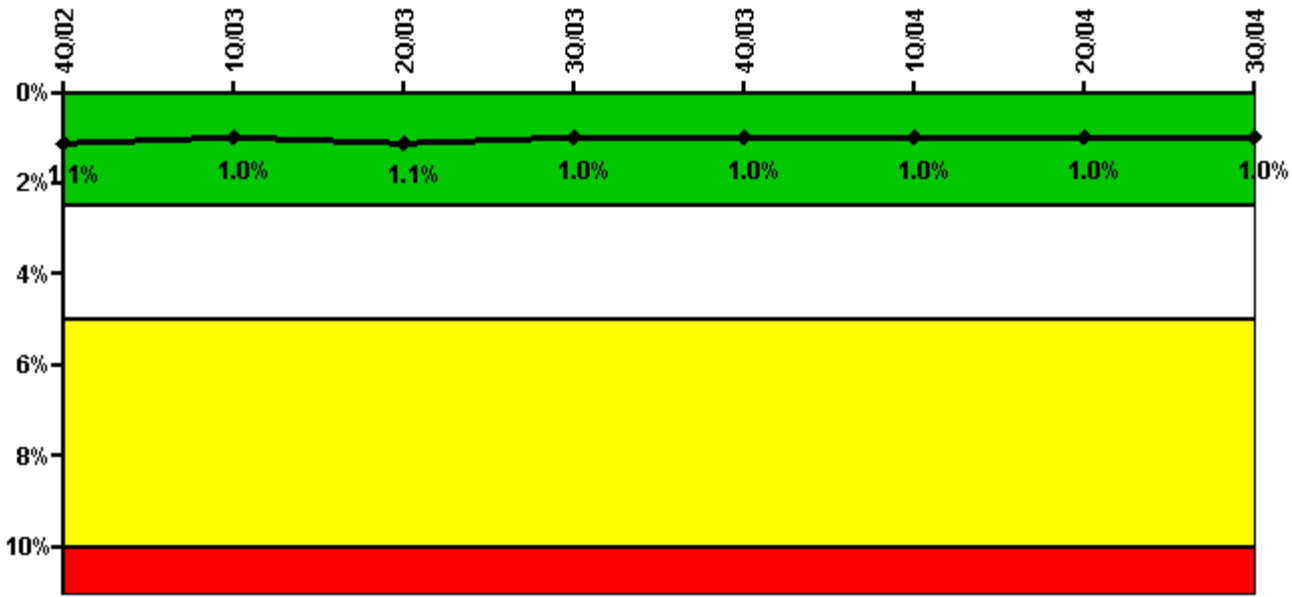
Thresholds: White > 6.0

#### 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                       | 0          | 0          | 1.0        | 0          | 0          | 0          | 0        | 0        |
| Critical hours                                | 2209.0     | 1711.2     | 2183.0     | 2208.0     | 1075.0     | 2108.5     | 2183.0   | 2208.0   |
| <b>Indicator value</b>                        | <b>1.9</b> | <b>1.8</b> | <b>1.7</b> | <b>0.8</b> | <b>1.0</b> | <b>0.9</b> | <b>0</b> | <b>0</b> |

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



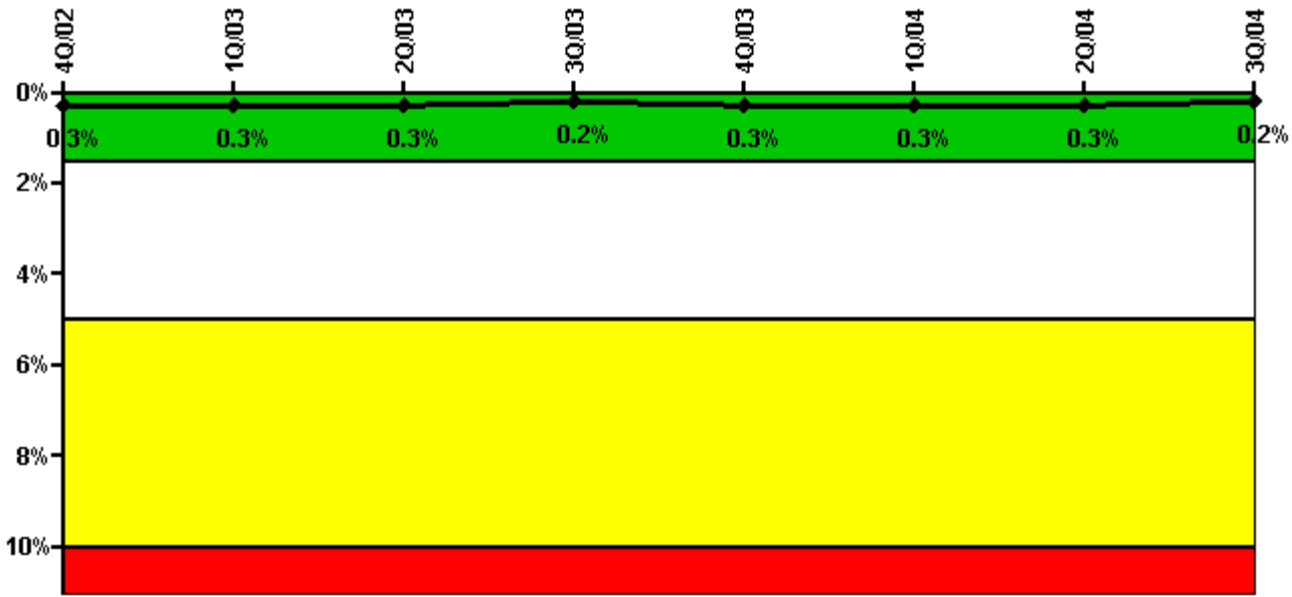
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

**Notes**

| Safety System Unavailability, Emergency AC Power | 4Q/02       | 1Q/03       | 2Q/03       | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>                                   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                        | 16.72       | 2.49        | 22.88       | 9.60        | 3.63        | 13.86       | 7.20        | 6.26        |
| Unplanned unavailable hours                      | 17.81       | 0           | 27.86       | 0           | 0           | 1.03        | 7.18        | 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     | 2073.86     | 2183.00     | 2208.00     | 1498.80     | 2184.00     | 2183.00     | 2208.00     |
| <b>Train 2</b>                                   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                        | 22.13       | 13.91       | 16.50       | 21.92       | 17.51       | 17.17       | 6.70        | 7.29        |
| Unplanned unavailable hours                      | 27.66       | 0           | 0           | 0           | 0           | 0           | 0           | 11.32       |
| 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     | 1872.00     | 2183.00     | 2208.00     | 1918.75     | 2184.00     | 2183.00     | 2208.00     |
| <b>Indicator value</b>                           | <b>1.1%</b> | <b>1.0%</b> | <b>1.1%</b> | <b>1.0%</b> | <b>1.0%</b> | <b>1.0%</b> | <b>1.0%</b> | <b>1.0%</b> |

Licensee Comments: none

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



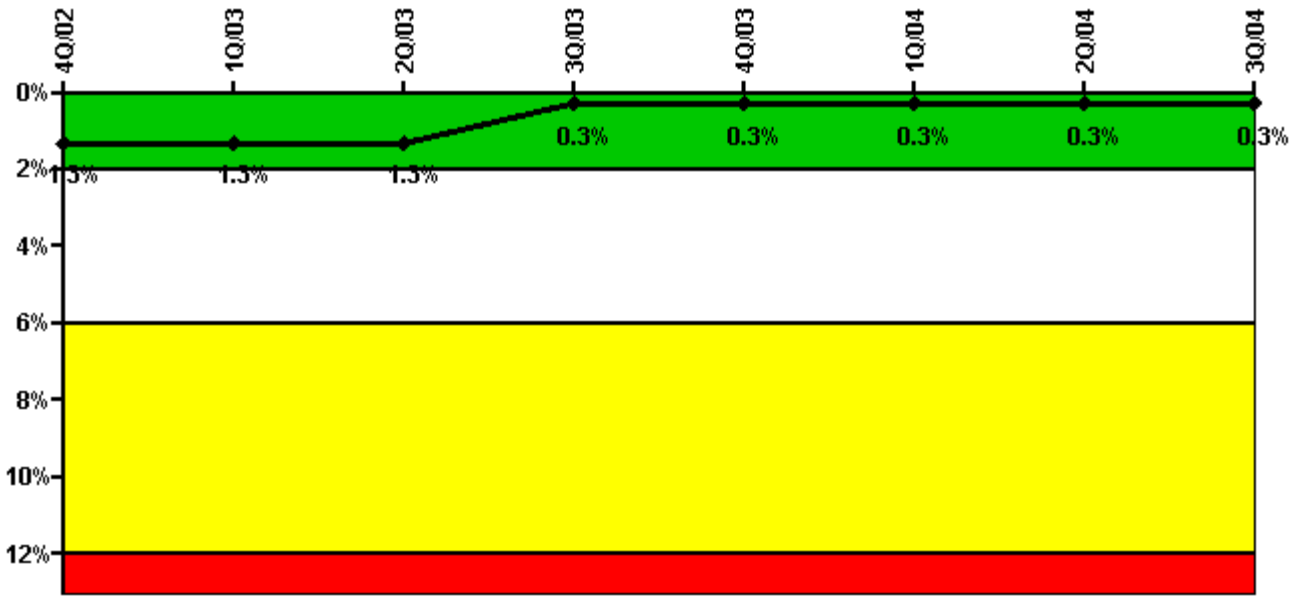
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 4Q/02       | 1Q/03       | 2Q/03       | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 15.76       | 4.40        | 0.60        | 2.10        | 8.20        | 1.50        | 1.60        | 0.27        |
| Unplanned unavailable hours   | 0           | 0           | 0           | 0           | 2.00        | 0           | 0           | 0           |
| Fault exposure hours  | 0           | 0           | 0           | 0           | 2.00        | 0           | 0           | 0           |
| Effective Reset hours   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours  | 2205.00     | 1767.00     | 2183.00     | 2208.00     | 1198.00     | 2184.00     | 2183.00     | 2208.00     |
| <b>Train 2</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 6.02        | 1.00        | 4.20        | 3.80        | 0.90        | 0.50        | 1.10        | 0.49        |
| 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     | 1767.00     | 2183.00     | 2208.00     | 1198.00     | 2184.00     | 2183.00     | 2208.00     |
| <b>Indicator value</b>  | <b>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.2%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.2%</b> |

Licensee Comments: none

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



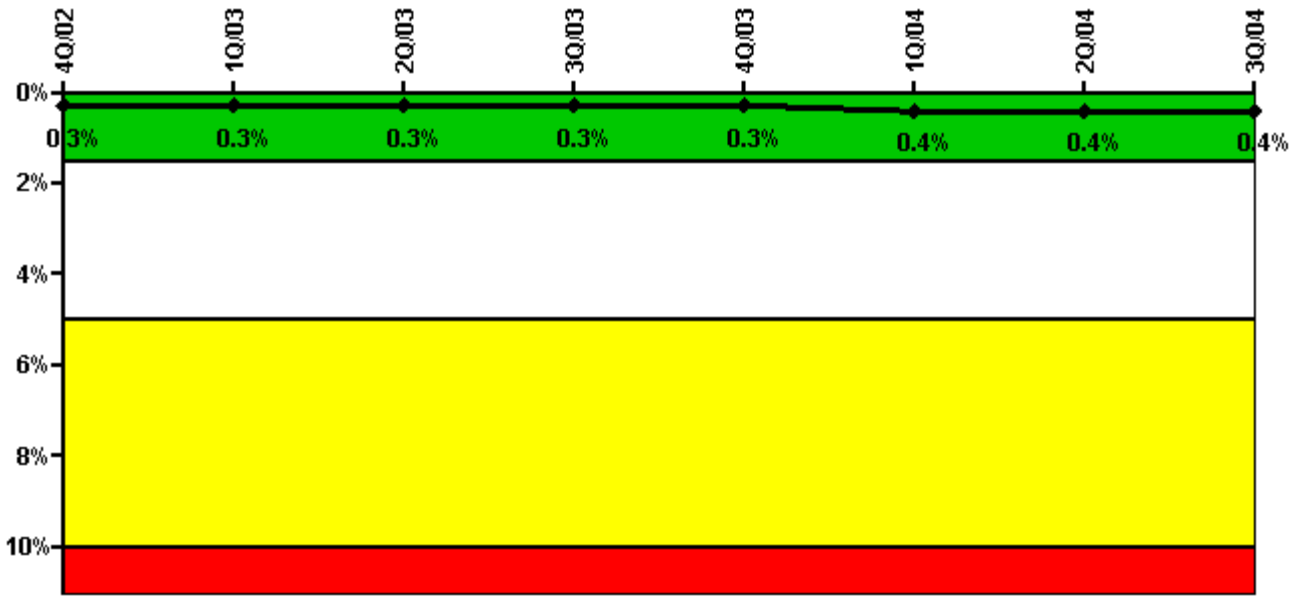
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### Notes

| Safety System Unavailability, Heat Removal System (AFW) | 4Q/02       | 1Q/03       | 2Q/03       | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 0           | 25.50       | 0           | 0           | 12.50       | 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     | 1769.00     | 2183.00     | 2208.00     | 1183.30     | 2184.00     | 2183.00     | 2208.00     |
| <b>Train 2</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 9.00        | 9.50        | 1.00        | 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  | 2209.00     | 1769.00     | 2183.00     | 2208.00     | 1183.30     | 2184.00     | 2183.00     | 2208.00     |
| <b>Train 3</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 13.75       | 2.50        | 19.00       | 0           | 0           | 0           | 0           |
| Unplanned unavailable hours                             | 0           | 0           | 0           | 0           | 33.75       | 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     | 1769.00     | 2183.00     | 2208.00     | 1183.30     | 2184.00     | 2183.00     | 2208.00     |
| <b>Indicator value</b>                                  | <b>1.3%</b> | <b>1.3%</b> | <b>1.3%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> |

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



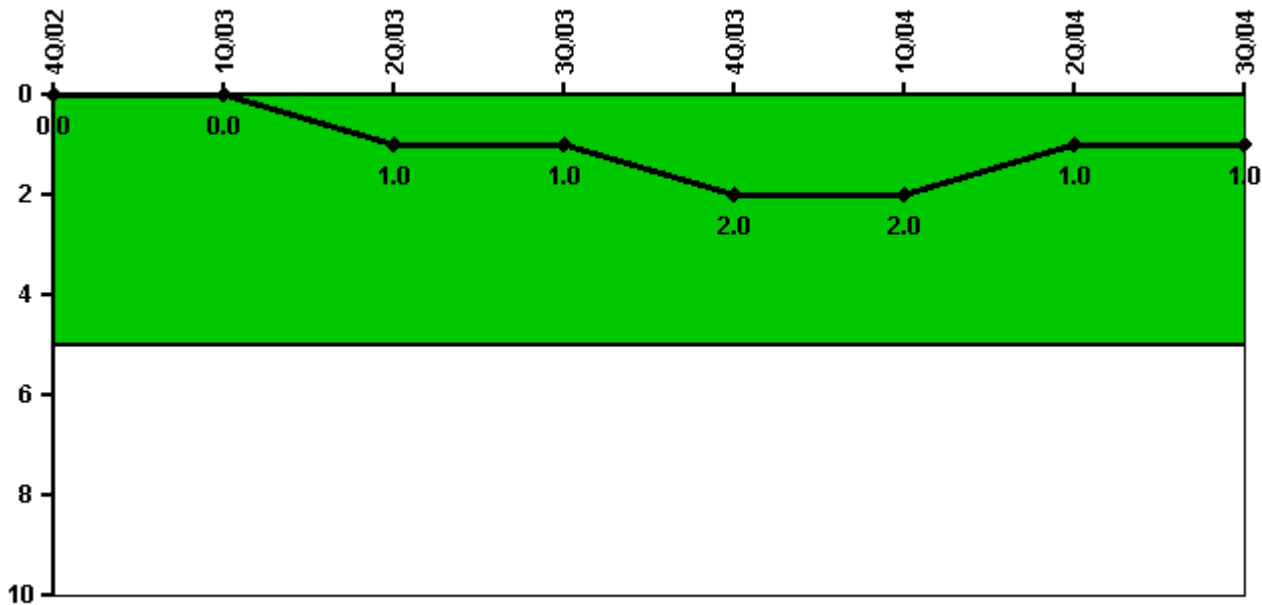
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

| Safety System Unavailability, Residual Heat Removal System | 4Q/02       | 1Q/03       | 2Q/03       | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 66.32       | 3.50        | 5.10        | 32.80       | 3.90        | 15.00       | 11.52       | 23.95       |
| 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     | 1706.00     | 2183.00     | 2208.00     | 1169.30     | 2184.00     | 2183.00     | 2208.00     |
| <b>Train 2</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 9.50        | 2.20        | 6.80        | 47.50       | 3.90        | 35.97       | 9.16        | 10.70       |
| 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     | 1706.00     | 2183.00     | 2208.00     | 1169.30     | 2184.00     | 2183.00     | 2208.00     |
| <b>Train 3</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Unplanned unavailable hours                                | 0           | 0           | 0           | 0           | 0.30        | 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     | 454.00      | 0           | 0           | 1048.40     | 0           | 0           | 0           |
| <b>Train 4</b>   |             |             |             |             |             |             |             |             |
| 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   | 2209.00     | 454.00      | 0           | 0           | 1048.40     | 0           | 0           | 0           |
| <b>Indicator value</b>                                     | <b>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.4%</b> | <b>0.4%</b> | <b>0.4%</b> |

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

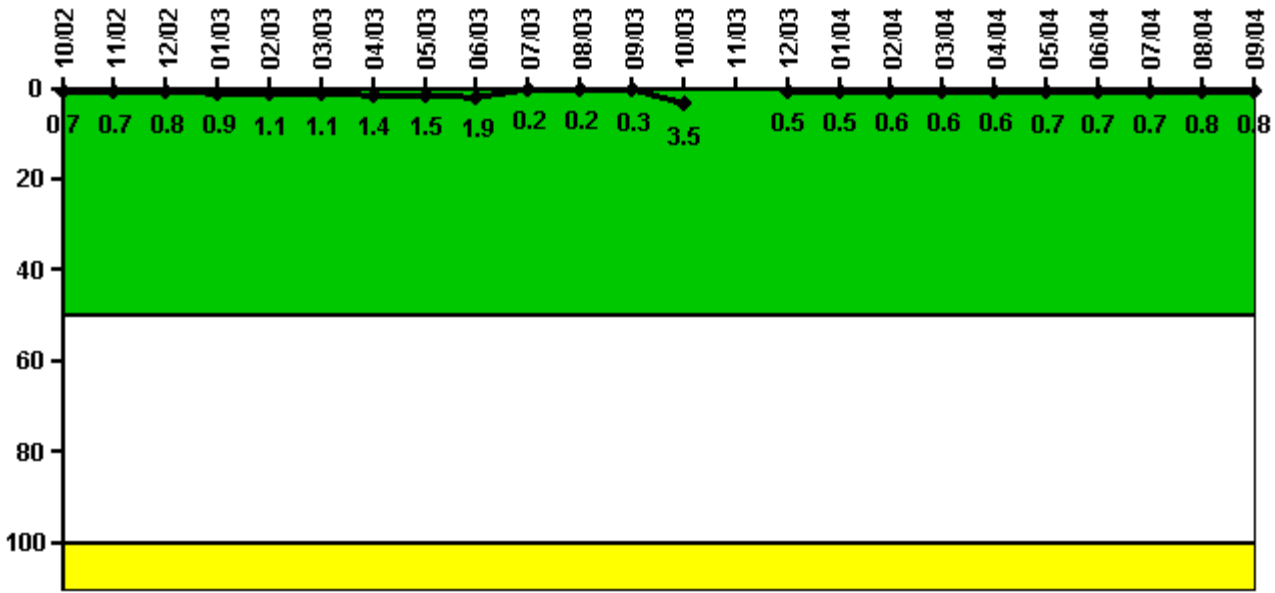
### Notes

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

Licensee Comments: none



### Reactor Coolant System Activity



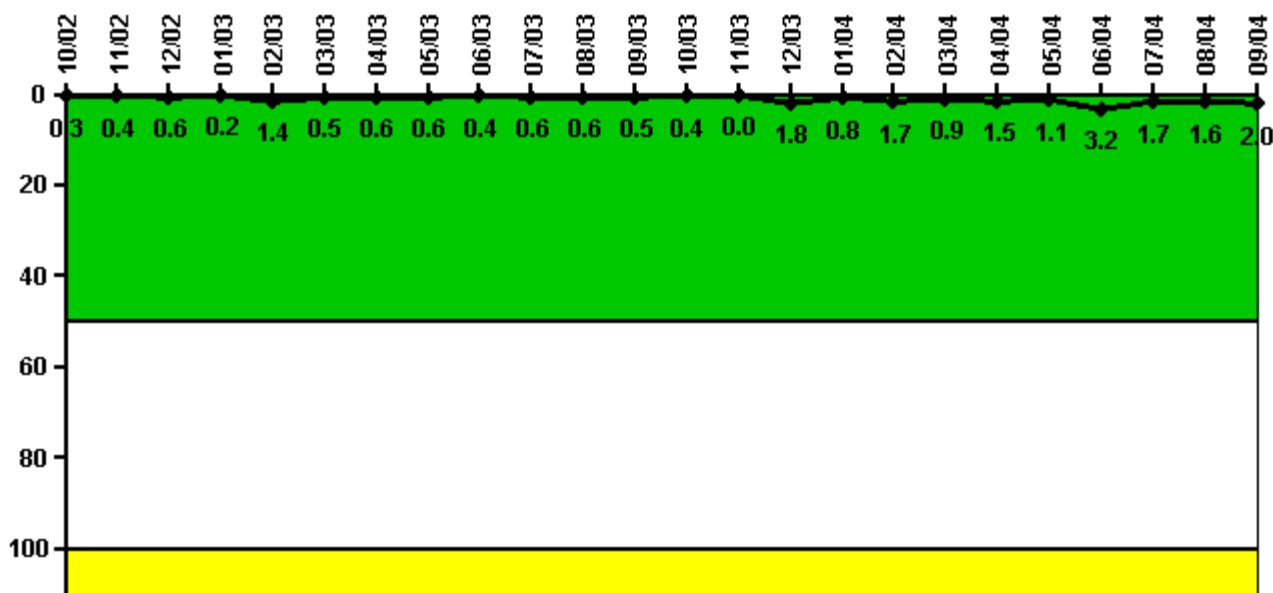
Thresholds: White > 50.0 Yellow > 100.0

**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                | 0.006910 | 0.006970 | 0.008180 | 0.009280 | 0.010700 | 0.011100 | 0.013800 | 0.014800 | 0.019100 | 0.001540 | 0.001770 | 0.002530 |
| 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                 | 0.7      | 0.7      | 0.8      | 0.9      | 1.1      | 1.1      | 1.4      | 1.5      | 1.9      | 0.2      | 0.2      | 0.3      |
| 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                | 0.034700 | N/A      | 0.004580 | 0.005310 | 0.005620 | 0.005760 | 0.006140 | 0.006770 | 0.006980 | 0.007270 | 0.007640 | 0.008190 |
| 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                 | 3.5      | N/A      | 0.5      | 0.5      | 0.6      | 0.6      | 0.6      | 0.7      | 0.7      | 0.7      | 0.8      | 0.8      |

Licensee Comments: none

### Reactor Coolant System Leakage



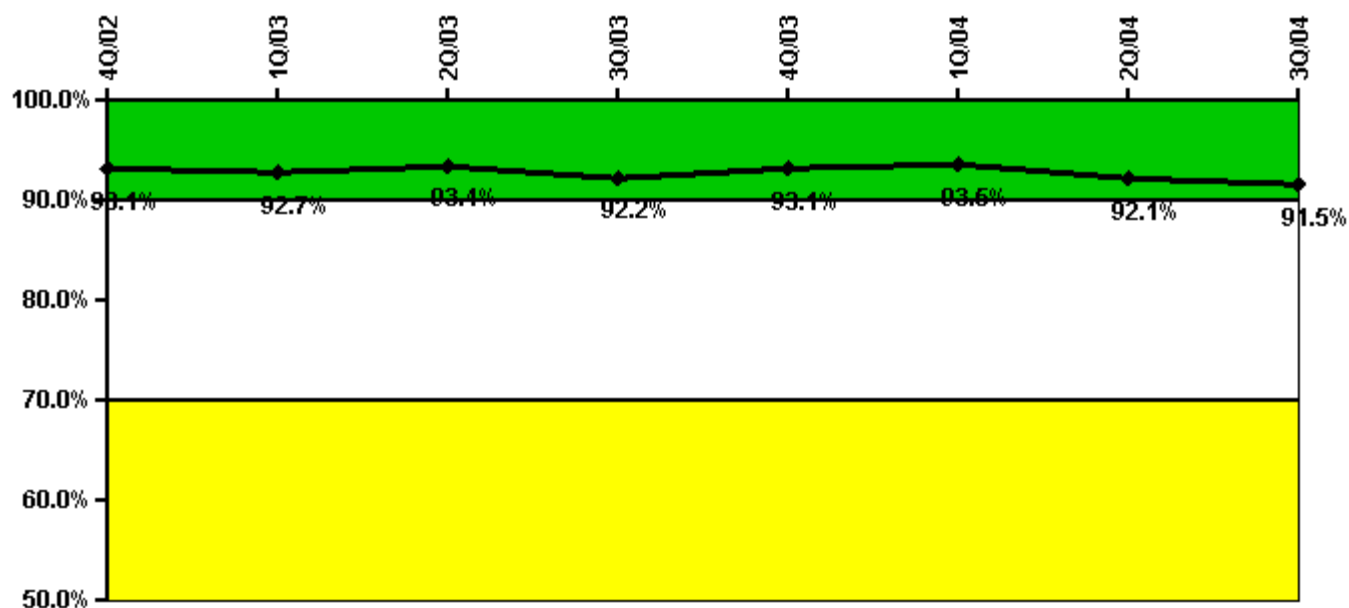
Thresholds: White > 50.0 Yellow > 100.0

#### 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                | 0.027 | 0.043 | 0.057 | 0.017 | 0.142 | 0.051 | 0.055 | 0.058 | 0.037 | 0.061 | 0.064 | 0.049 |
| 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                | 0.3   | 0.4   | 0.6   | 0.2   | 1.4   | 0.5   | 0.6   | 0.6   | 0.4   | 0.6   | 0.6   | 0.5   |
| 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                | 0.039 | 0     | 0.182 | 0.082 | 0.165 | 0.089 | 0.148 | 0.111 | 0.319 | 0.169 | 0.164 | 0.195 |
| 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     | 1.8   | 0.8   | 1.7   | 0.9   | 1.5   | 1.1   | 3.2   | 1.7   | 1.6   | 2.0   |

Licensee Comments: none

### Drill/Exercise Performance



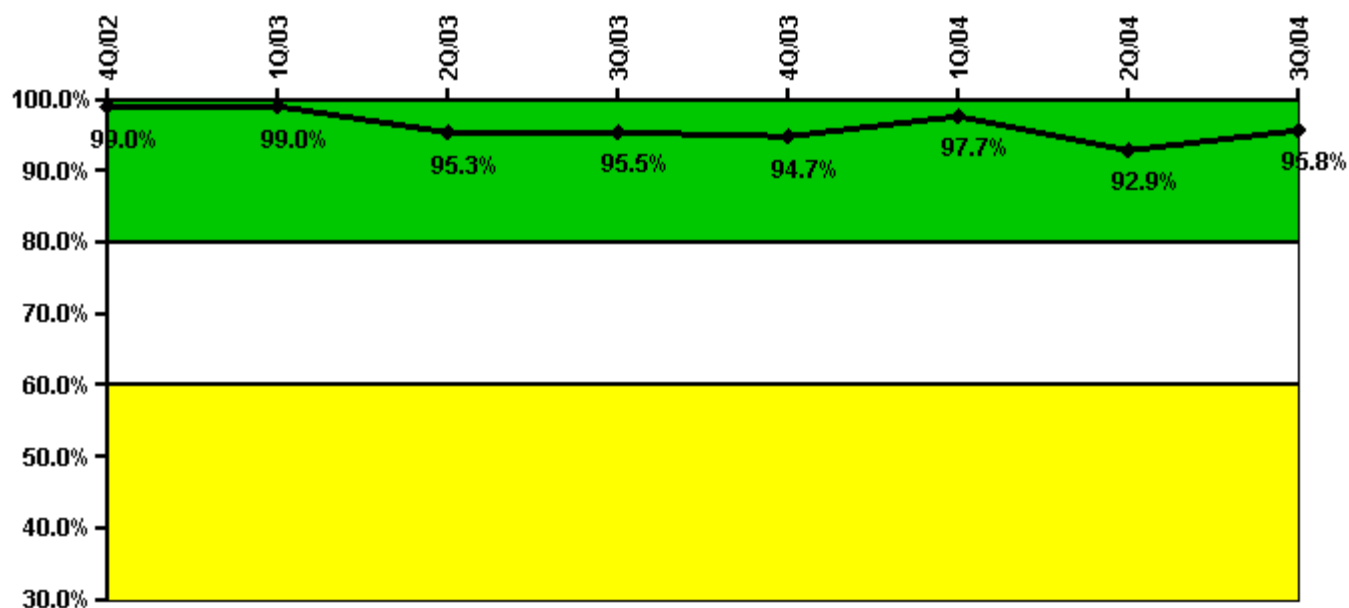
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 45.0  | 1.0   | 66.0  | 38.0  | 27.0  | 43.0  | 11.0  | 58.0  |
| Total opportunities        | 47.0  | 2.0   | 70.0  | 44.0  | 29.0  | 45.0  | 16.0  | 63.0  |
| Indicator value            | 93.1% | 92.7% | 93.4% | 92.2% | 93.1% | 93.5% | 92.1% | 91.5% |

Licensee Comments: none

### ERO Drill Participation



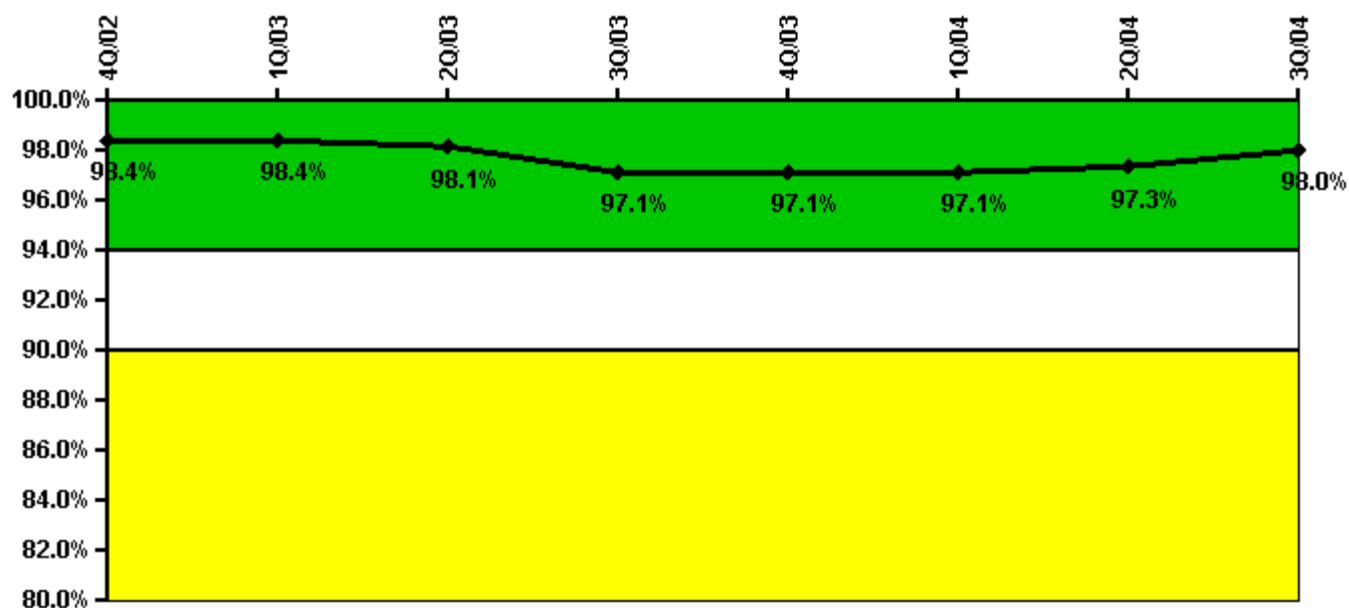
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Participating Key personnel | 100.0 | 101.0 | 122.0 | 127.0 | 126.0 | 130.0 | 131.0 | 138.0 |
| Total Key personnel         | 101.0 | 102.0 | 128.0 | 133.0 | 133.0 | 133.0 | 141.0 | 144.0 |
| Indicator value             | 99.0% | 99.0% | 95.3% | 95.5% | 94.7% | 97.7% | 92.9% | 95.8% |

Licensee Comments: none

### Alert & Notification System



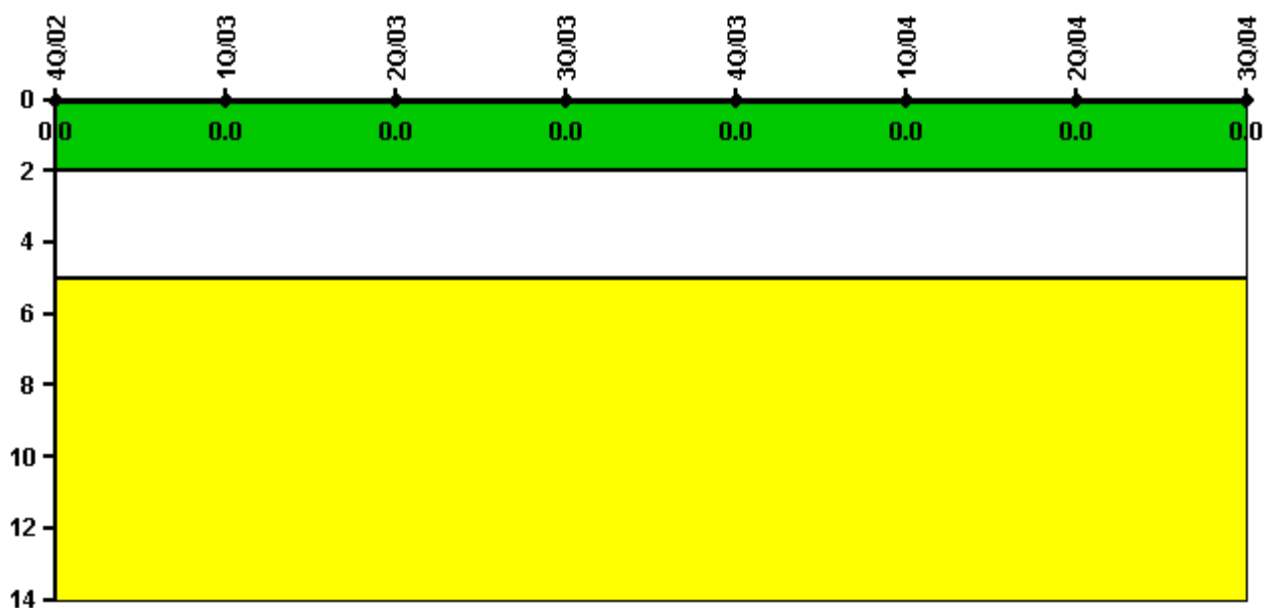
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 314   | 314   | 308   | 453   | 314   | 314   | 312   | 462   |
| Total sirens-tests          | 318   | 318   | 318   | 477   | 318   | 318   | 318   | 477   |
| Indicator value             | 98.4% | 98.4% | 98.1% | 97.1% | 97.1% | 97.1% | 97.3% | 98.0% |

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        | 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:

3Q/04: An event on Unit 2 regarding a potential unintended exposure is currently being evaluated. The amount of exposure is not known at this time.

### 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.