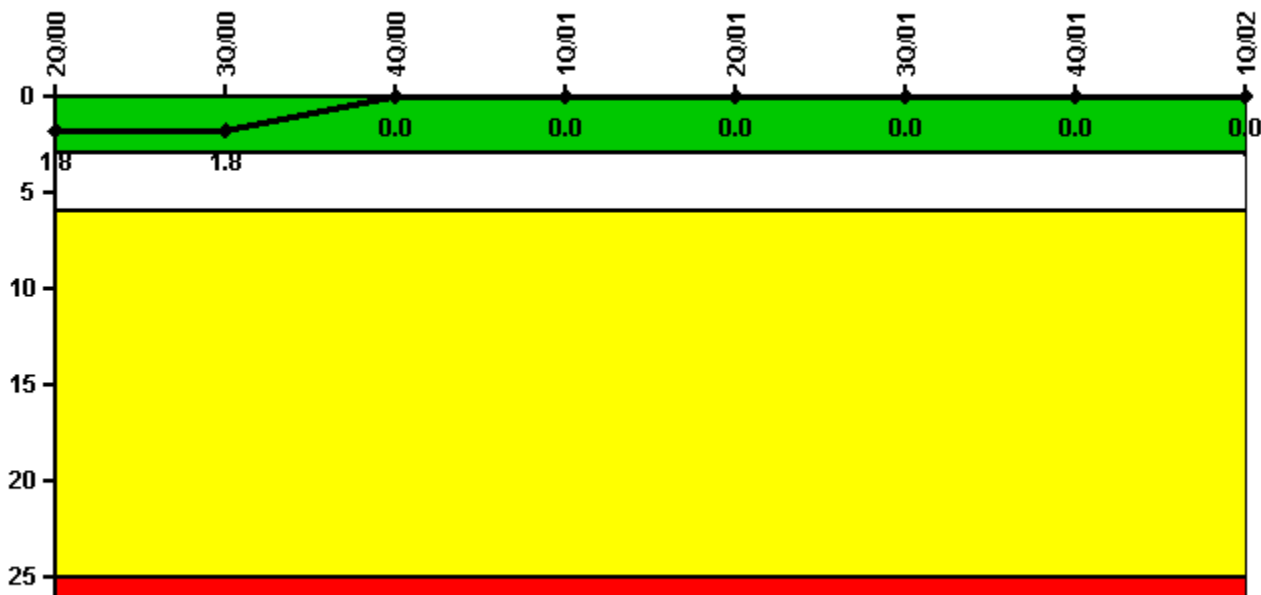


## Oconee 2

### 1Q/2002 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



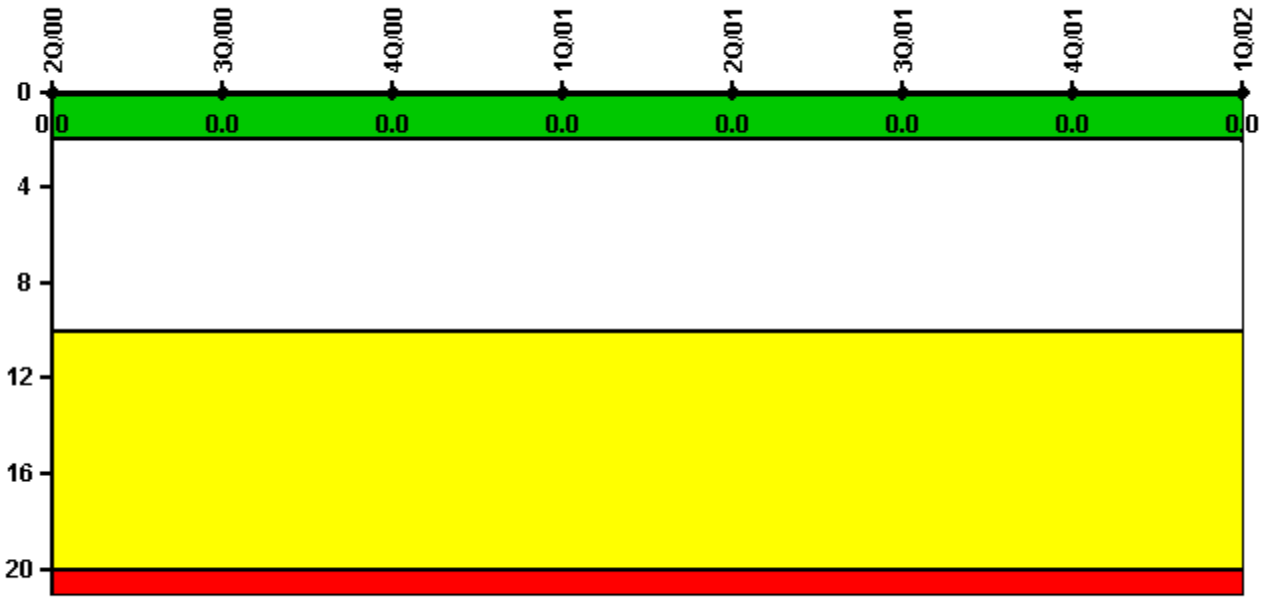
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/00  | 3Q/00  | 4Q/00  | 1Q/01  | 2Q/01  | 3Q/01  | 4Q/01  | 1Q/02  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Critical hours                         | 2184.0 | 2208.0 | 2209.0 | 2160.0 | 1397.1 | 2208.0 | 2209.0 | 2160.0 |
|  |        |        |        |        |        |        |        |        |
| Indicator value                        | 1.8    | 1.8    | 0      | 0      | 0      | 0      | 0      | 0      |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



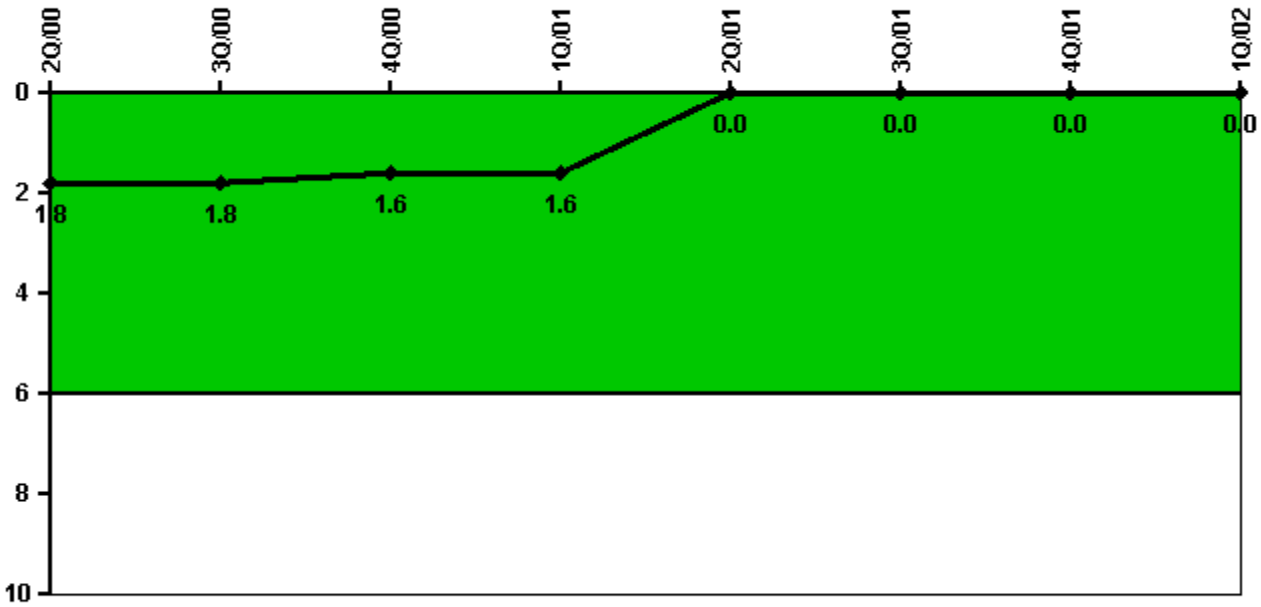
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

| Scrams with Loss of Normal Heat Removal | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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/00  | 3Q/00  | 4Q/00  | 1Q/01  | 2Q/01  | 3Q/01  | 4Q/01  | 1Q/02  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 2.0    | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Critical hours                                | 2184.0 | 2208.0 | 2209.0 | 2160.0 | 1397.1 | 2208.0 | 2209.0 | 2160.0 |
|   |        |        |        |        |        |        |        |        |
| Indicator value                               | 1.8    | 1.8    | 1.6    | 1.6    | 0      | 0      | 0      | 0      |

Licensee Comments: none

**Safety System Unavailability, HEG**

**Thresholds  
under  
development /  
review**

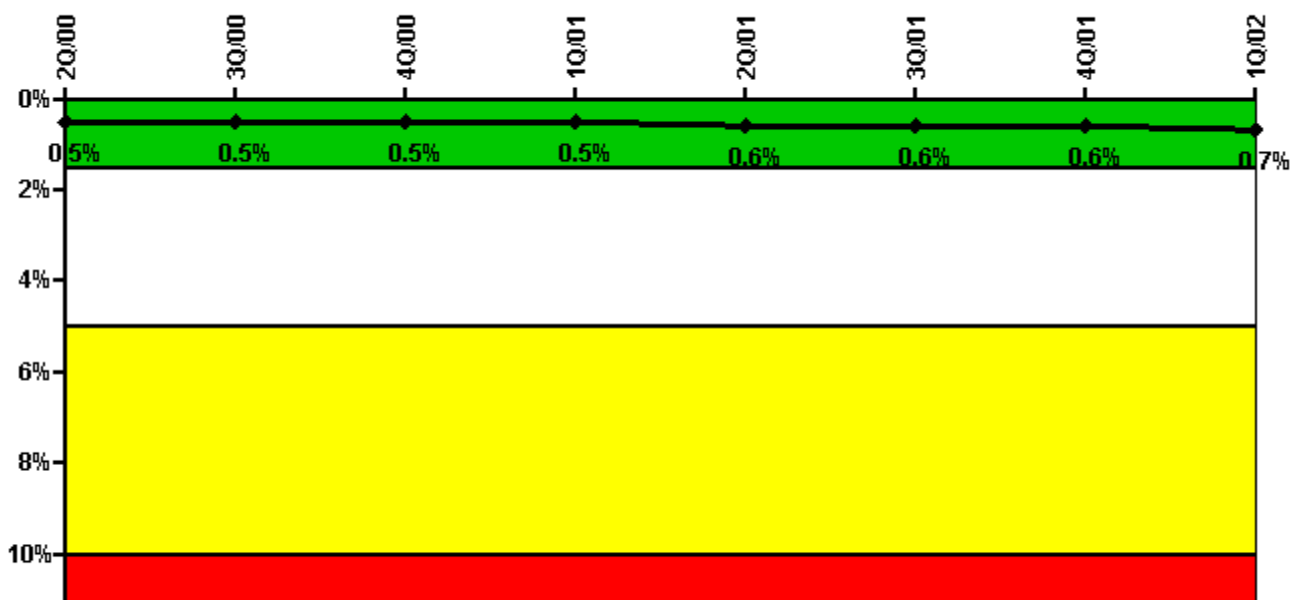
**Notes**

| Safety System Unavailability, HEG | 2Q/00       | 3Q/00       | 4Q/00       | 1Q/01       | 2Q/01       | 3Q/01       | 4Q/01       | 1Q/02       |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>                    |             |             |             |             |             |             |             |             |
| Planned unavailable hours         | 102.25      | 33.23       | 111.97      | 50.77       | 0.22        | 88.44       | 38.17       | 98.95       |
| Unplanned unavailable hours       | 0           | 0           | 0           | 0           | 0           | 50.40       | 0           | 38.77       |
| Fault exposure hours              | 0           | 0           | 0           | 0           | 0           | 14.56       | 0           | 0           |
| Effective Reset hours             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours                    | 2184.00     | 2208.00     | 2208.00     | 2160.00     | 1466.96     | 2208.00     | 2209.00     | 2160.00     |
| <b>Train 2</b>                    |             |             |             |             |             |             |             |             |
| Planned unavailable hours         | 15.42       | 64.77       | 0.95        | 18.07       | 0           | 0           | 5.29        | 86.79       |
| 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                    | 2184.00     | 2208.00     | 2208.00     | 2160.00     | 1466.96     | 2208.00     | 2209.00     | 2160.00     |
|                                   |             |             |             |             |             |             |             |             |
| <b>Indicator value</b>            | <b>2.1%</b> | <b>2.0%</b> | <b>2.1%</b> | <b>2.0%</b> | <b>2.1%</b> | <b>2.3%</b> | <b>2.3%</b> | <b>2.5%</b> |

Licensee Comments:

1Q/02: The FAQ for reporting the Keowee Hydro Emergency AC Power system is still under review by the NRC.

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



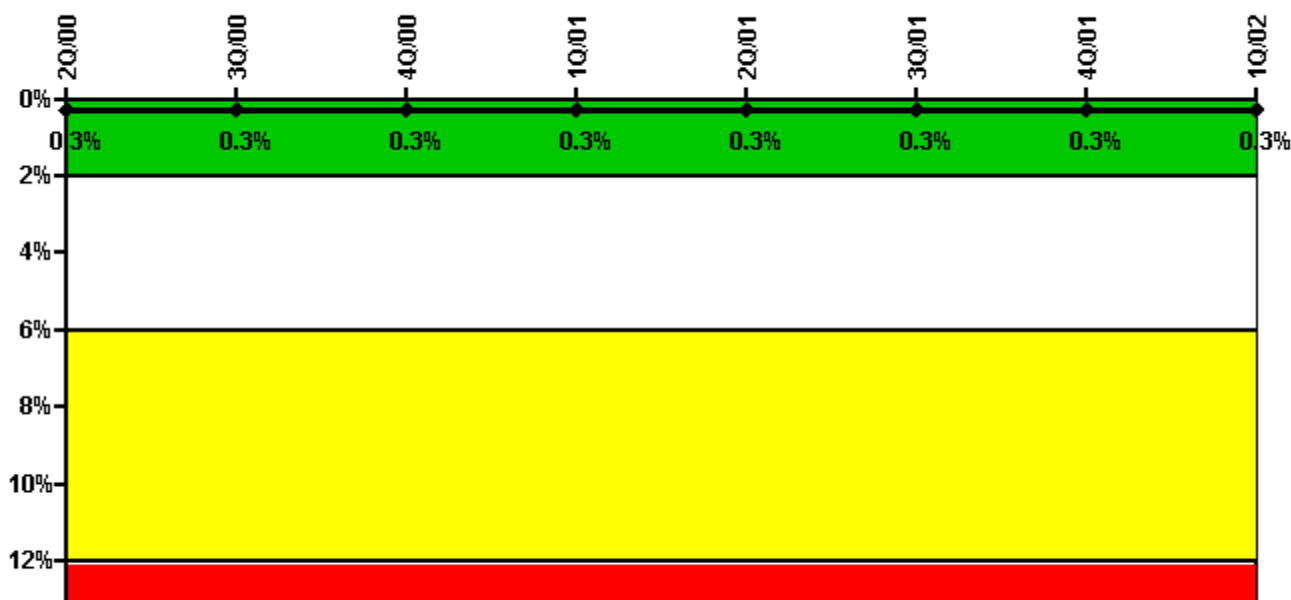
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 2Q/00   | 3Q/00   | 4Q/00   | 1Q/01   | 2Q/01   | 3Q/01   | 4Q/01   | 1Q/02   |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Train 1</b>  |         |         |         |         |         |         |         |         |
| Planned unavailable hours   | 0.43    | 20.24   | 12.60   | 12.28   | 39.96   | 28.22   | 4.67    | 44.47   |
| Unplanned unavailable hours   | 0       | 0       | 0       | 21.47   | 0       | 0       | 2.23    | 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  | 2184.00 | 2208.00 | 2208.00 | 2160.00 | 1434.50 | 2208.00 | 2209.00 | 2160.00 |
| <b>Train 2</b>  |         |         |         |         |         |         |         |         |
| Planned unavailable hours   | 4.30    | 12.60   | 12.96   | 24.14   | 15.10   | 0.68    | 10.60   | 40.92   |
| Unplanned unavailable hours   | 11.33   | 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  | 2184.00 | 2208.00 | 2208.00 | 2160.00 | 1434.50 | 2208.00 | 2209.00 | 2160.00 |
| Indicator value   | 0.5%    | 0.5%    | 0.5%    | 0.5%    | 0.6%    | 0.6%    | 0.6%    | 0.7%    |

Licensee Comments: none

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



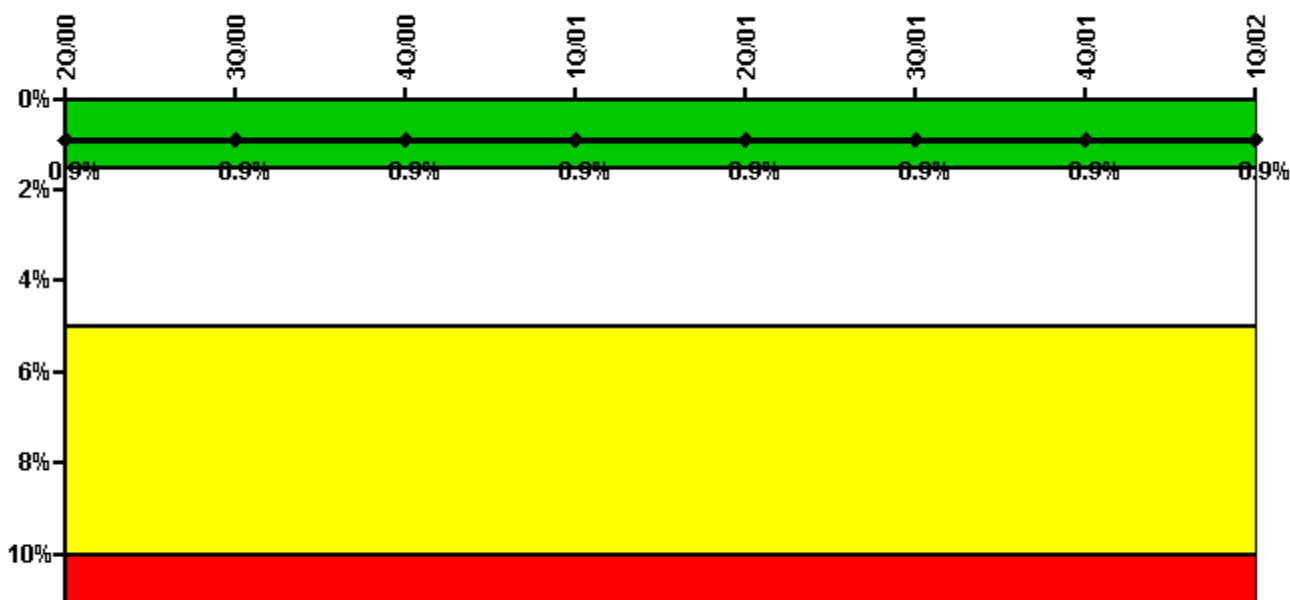
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### Notes

| Safety System Unavailability, Heat Removal System (AFW) | 2Q/00       | 3Q/00       | 4Q/00       | 1Q/01       | 2Q/01       | 3Q/01       | 4Q/01       | 1Q/02       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 10.10       | 9.50        | 1.60        | 8.00        | 0           | 9.50        | 1.83        | 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  | 2184.00     | 2208.00     | 2208.00     | 2160.00     | 1435.60     | 2208.00     | 2209.00     | 2160.00     |
| <b>Train 2</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 10.20       | 14.70       | 1.30        | 10.00       | 0           | 7.30        | 12.33       | 7.00        |
| 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  | 2184.00     | 2208.00     | 2208.00     | 2160.00     | 1435.60     | 2208.00     | 2209.00     | 2160.00     |
| <b>Train 3</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 3.50        | 16.20       | 2.50        | 2.20        | 2.60        | 1.33        | 2.83        | 7.20        |
| 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  | 2184.00     | 2208.00     | 2208.00     | 2160.00     | 1435.60     | 2208.00     | 2209.00     | 2160.00     |
| <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>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> |

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



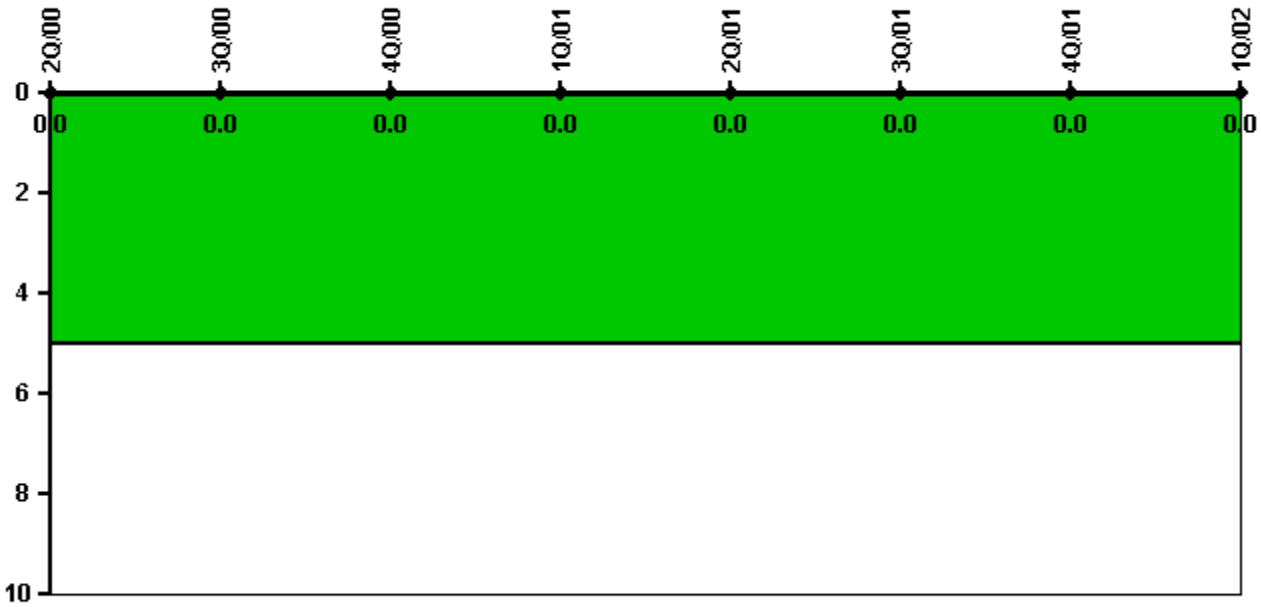
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, Residual Heat Removal System | 2Q/00   | 3Q/00   | 4Q/00   | 1Q/01   | 2Q/01   | 3Q/01   | 4Q/01   | 1Q/02   |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Train 1</b>   |         |         |         |         |         |         |         |         |
| Planned unavailable hours                                  | 11.92   | 16.60   | 15.22   | 28.10   | 10.80   | 13.90   | 17.70   | 16.20   |
| Unplanned unavailable hours                                | 4.55    | 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 | 2209.00 | 2160.00 |
| <b>Train 2</b>   |         |         |         |         |         |         |         |         |
| Planned unavailable hours                                  | 12.28   | 26.70   | 15.68   | 20.40   | 12.60   | 13.10   | 2.40    | 21.10   |
| Unplanned unavailable hours                                | 4.55    | 0       | 0.25    | 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 | 2209.00 | 2160.00 |
|  |         |         |         |         |         |         |         |         |
| Indicator value  | 0.9%    | 0.9%    | 0.9%    | 0.9%    | 0.9%    | 0.9%    | 0.9%    | 0.9%    |

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

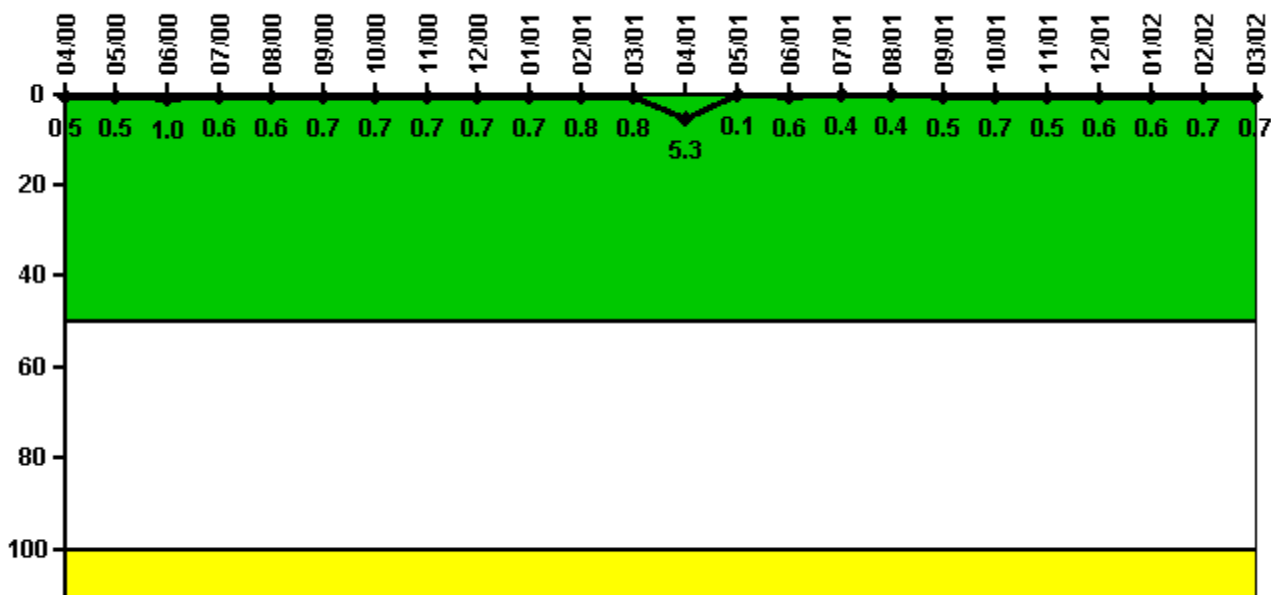
#### Notes

| Safety System Functional Failures (PWR) | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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

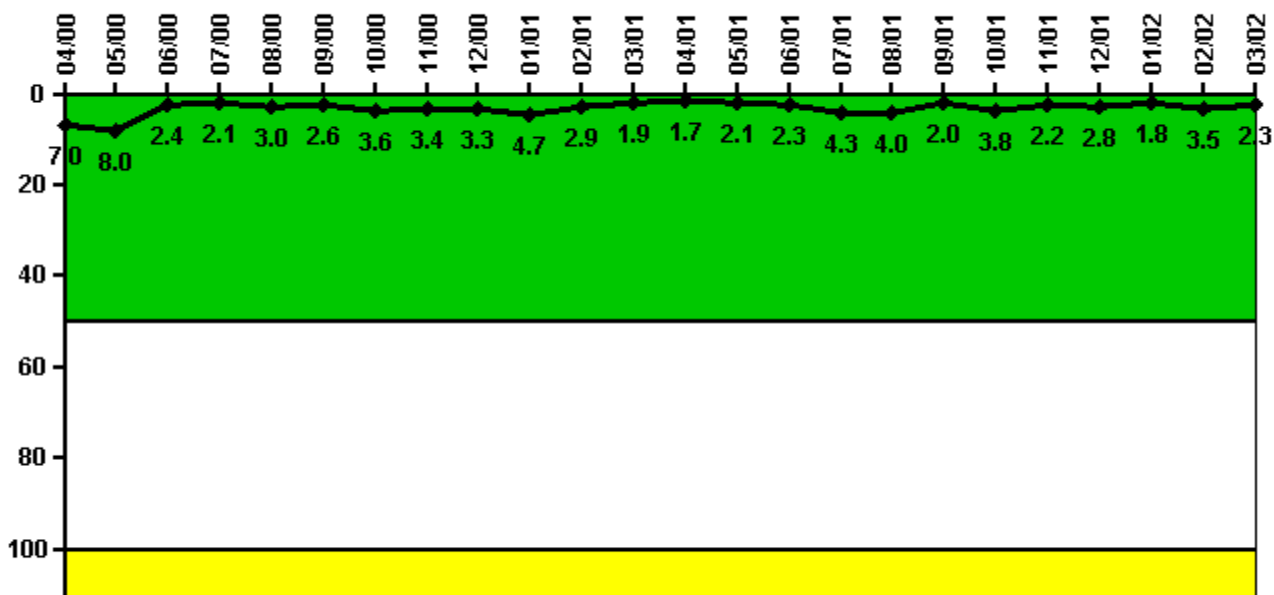
| Reactor Coolant System Activity | 4/00     | 5/00     | 6/00     | 7/00     | 8/00     | 9/00     | 10/00    | 11/00    | 12/00    | 1/01     | 2/01     | 3/01     |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.005266 | 0.004903 | 0.010210 | 0.006215 | 0.005923 | 0.006543 | 0.006964 | 0.006712 | 0.007495 | 0.007300 | 0.008000 | 0.008000 |
| 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                 | 0.5      | 0.5      | 1.0      | 0.6      | 0.6      | 0.7      | 0.7      | 0.7      | 0.7      | 0.7      | 0.8      | 0.8      |

| Reactor Coolant System Activity | 4/01     | 5/01     | 6/01     | 7/01     | 8/01     | 9/01     | 10/01    | 11/01    | 12/01    | 1/02     | 2/02     | 3/02     |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.052800 | 0.001430 | 0.006400 | 0.003900 | 0.004100 | 0.004800 | 0.006800 | 0.005400 | 0.005500 | 0.005700 | 0.006700 | 0.006600 |
| 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                 | 5.3      | 0.1      | 0.6      | 0.4      | 0.4      | 0.5      | 0.7      | 0.5      | 0.6      | 0.6      | 0.7      | 0.7      |

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

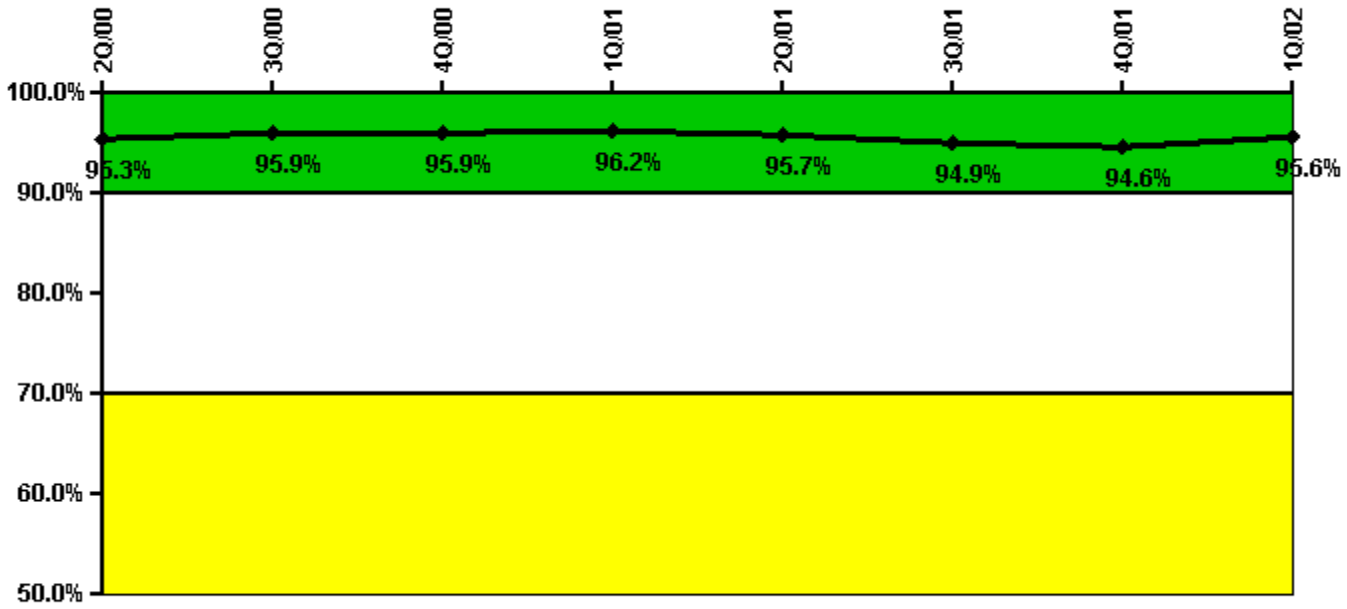
| Reactor Coolant System Leakage | 4/00  | 5/00  | 6/00  | 7/00  | 8/00  | 9/00  | 10/00 | 11/00 | 12/00 | 1/01  | 2/01  | 3/01  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.700 | 0.800 | 0.240 | 0.210 | 0.300 | 0.260 | 0.360 | 0.340 | 0.330 | 0.470 | 0.290 | 0.190 |
| 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                | 7.0   | 8.0   | 2.4   | 2.1   | 3.0   | 2.6   | 3.6   | 3.4   | 3.3   | 4.7   | 2.9   | 1.9   |

| Reactor Coolant System Leakage | 4/01  | 5/01  | 6/01  | 7/01  | 8/01  | 9/01  | 10/01 | 11/01 | 12/01 | 1/02  | 2/02  | 3/02  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.170 | 0.210 | 0.230 | 0.430 | 0.400 | 0.200 | 0.380 | 0.220 | 0.280 | 0.180 | 0.350 | 0.230 |
| 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                | 1.7   | 2.1   | 2.3   | 4.3   | 4.0   | 2.0   | 3.8   | 2.2   | 2.8   | 1.8   | 3.5   | 2.3   |

Licensee Comments: none

### Drill/Exercise Performance



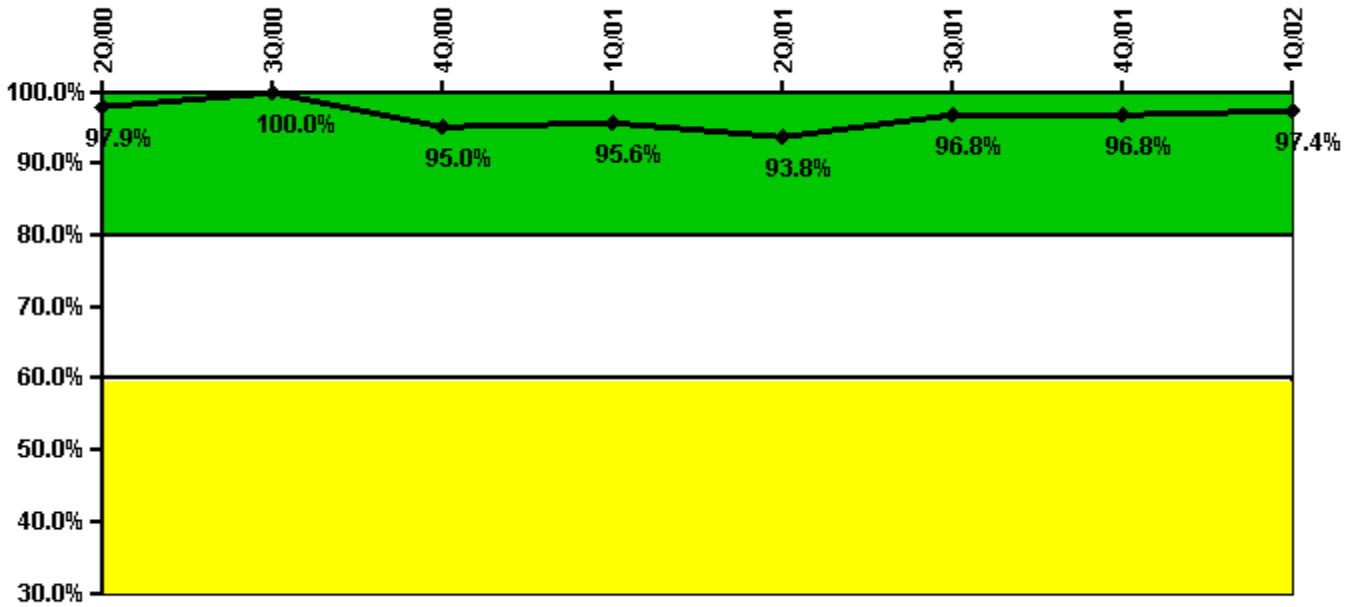
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 71.0  | 17.0  | 38.0  | 22.0  | 23.0  | 48.0  | 9.0   | 12.0  |
| Total opportunities        | 74.0  | 17.0  | 39.0  | 22.0  | 25.0  | 52.0  | 10.0  | 12.0  |
|                            |       |       |       |       |       |       |       |       |
| Indicator value            | 95.3% | 95.9% | 95.9% | 96.2% | 95.7% | 94.9% | 94.6% | 95.6% |

Licensee Comments: none

### ERO Drill Participation



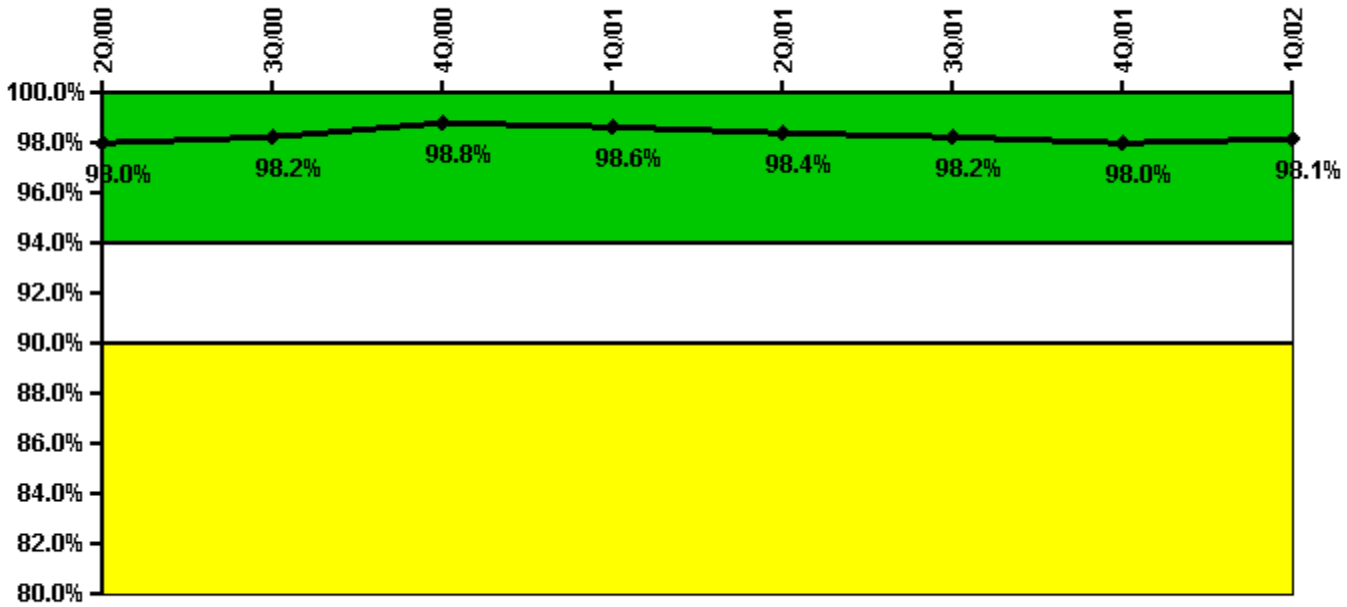
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 2Q/00 | 3Q/00  | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|-----------------------------|-------|--------|-------|-------|-------|-------|-------|-------|
| Participating Key personnel | 137.0 | 138.0  | 132.0 | 131.0 | 135.0 | 150.0 | 150.0 | 149.0 |
| Total Key personnel         | 140.0 | 138.0  | 139.0 | 137.0 | 144.0 | 155.0 | 155.0 | 153.0 |
|                             |       |        |       |       |       |       |       |       |
| Indicator value             | 97.9% | 100.0% | 95.0% | 95.6% | 93.8% | 96.8% | 96.8% | 97.4% |

Licensee Comments: none

### Alert & Notification System



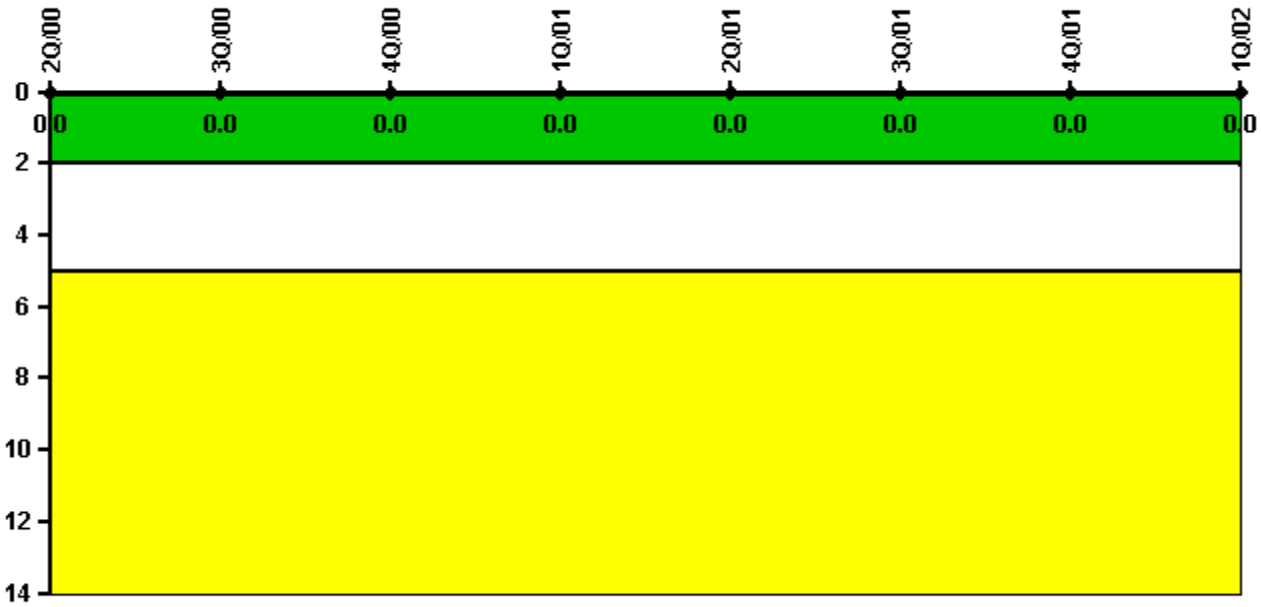
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 1205  | 1194  | 1320  | 1304  | 1246  | 1084  | 1154  | 1092  |
| Total sirens-tests          | 1225  | 1211  | 1330  | 1330  | 1275  | 1108  | 1172  | 1109  |
|                             |       |       |       |       |       |       |       |       |
| Indicator value             | 98.0% | 98.2% | 98.8% | 98.6% | 98.4% | 98.2% | 98.0% | 98.1% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



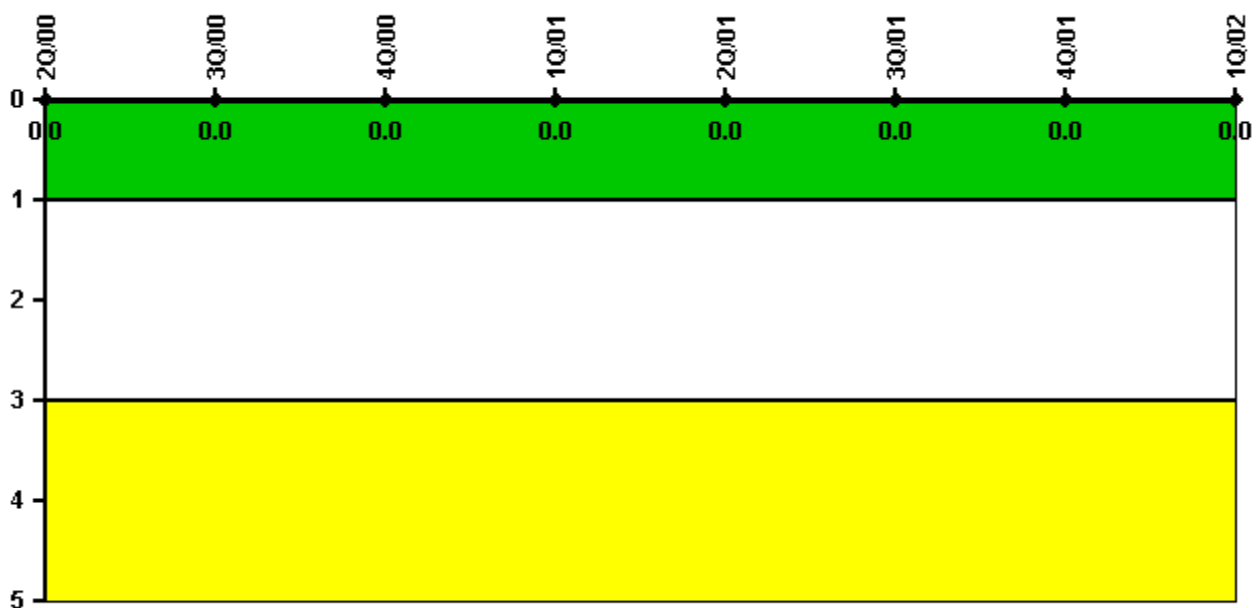
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| Occupational Exposure Control Effectiveness | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

### RETS/ODCM Radiological Effluent



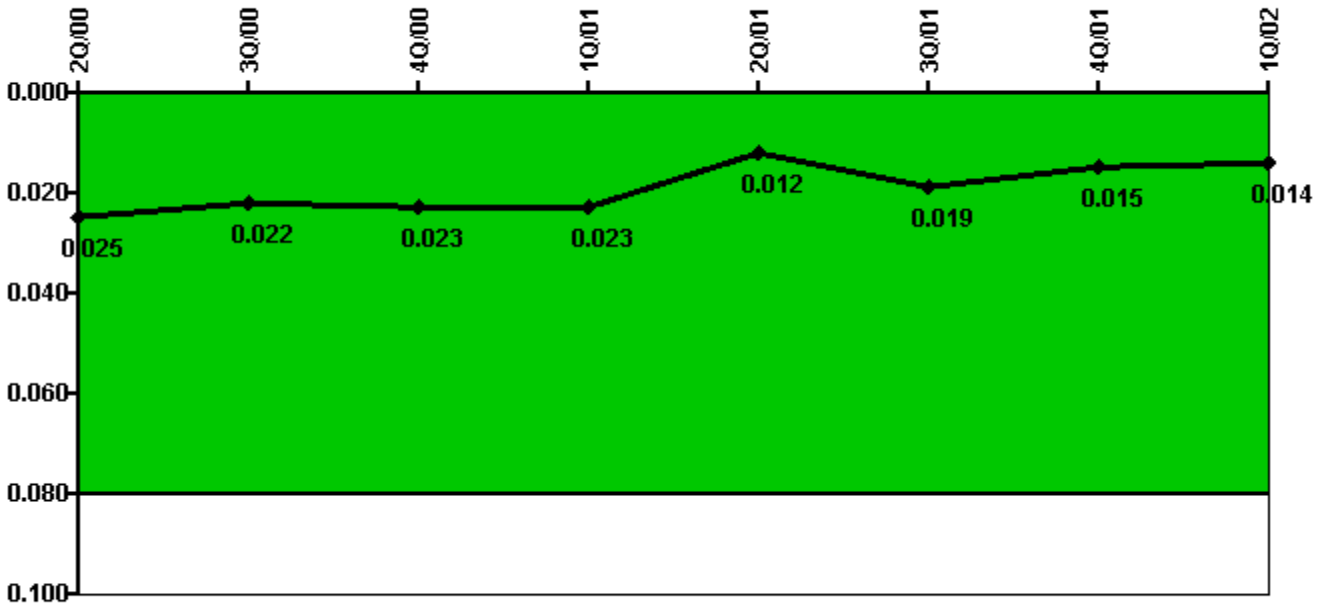
Thresholds: White > 1.0 Yellow > 3.0

**Notes**

| RETS/ODCM Radiological Effluent | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| RETS/ODCM occurrences           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|                                 |       |       |       |       |       |       |       |       |
| Indicator value                 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

### Protected Area Security Performance Index



Thresholds: White > 0.080

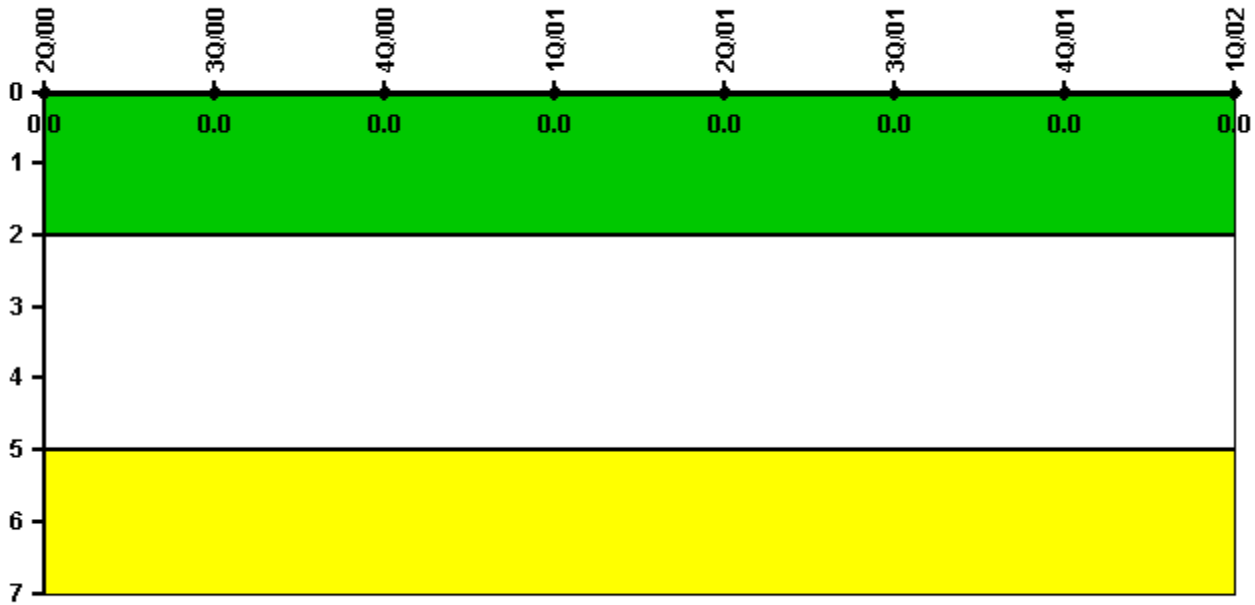
#### Notes

| Protected Area Security Performance Index | 2Q/00  | 3Q/00  | 4Q/00  | 1Q/01 | 2Q/01 | 3Q/01  | 4Q/01 | 1Q/02 |
|---|--------|--------|--------|-------|-------|--------|-------|-------|
| IDS compensatory hours                    | 664.00 | 162.00 | 225.00 | 64.00 | 91.00 | 457.00 | 30.00 | 26.00 |
| CCTV compensatory hours                   | 1.0    | 8.0    | 0      | 1.0   | 14.0  | 11.0   | 0     | 0     |
| IDS normalization factor                  | 2.80   | 2.80   | 2.80   | 2.80  | 2.80  | 2.80   | 2.80  | 2.80  |
| CCTV normalization factor                 | 1.0    | 1.0    | 1.0    | 1.0   | 1.0   | 1.0    | 1.0   | 1.0   |
|   |        |        |        |       |       |        |       |       |
| Index Value                               | 0.025  | 0.022  | 0.023  | 0.023 | 0.012 | 0.019  | 0.015 | 0.014 |

Licensee Comments: none



### Personnel Screening Program



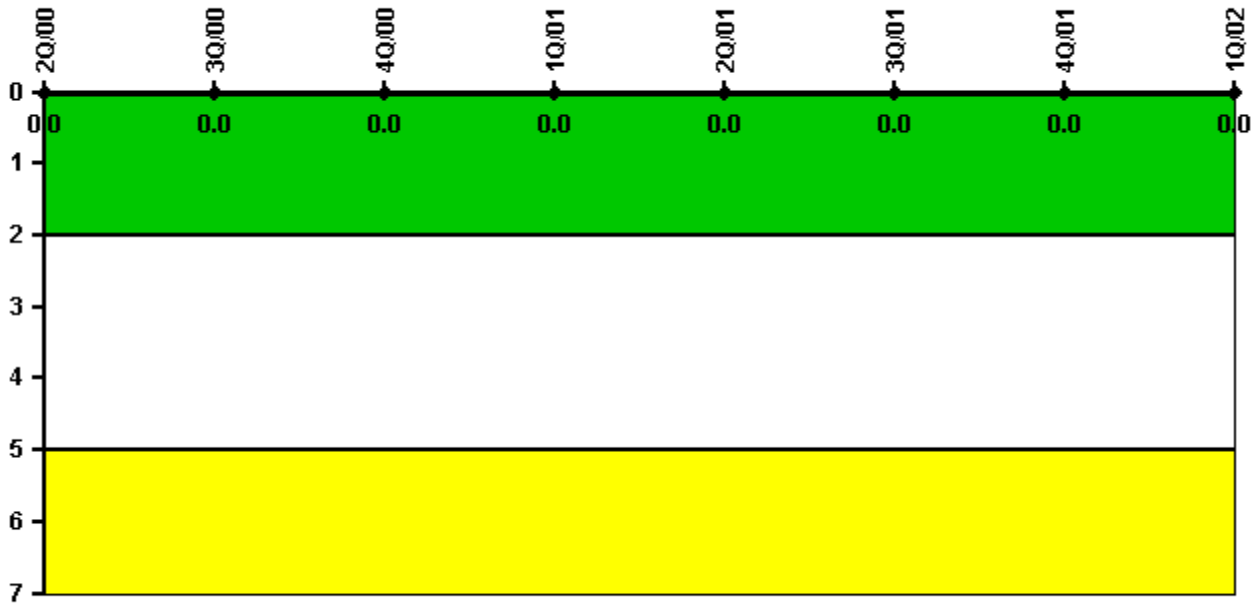
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| Personnel Screening Program | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Program failures            | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|                             |       |       |       |       |       |       |       |       |
| Indicator value             | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

### FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| FFD/Personnel Reliability | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Program Failures          | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|                           |       |       |       |       |       |       |       |       |
| Indicator value           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

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

Last Modified: May 1, 2002