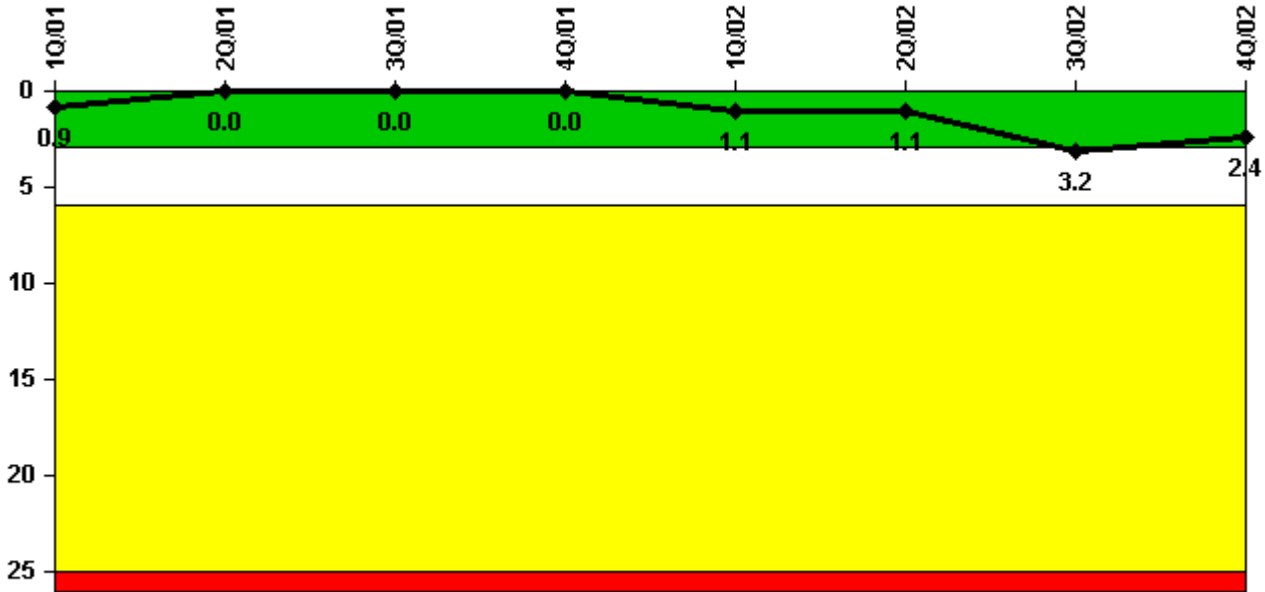


# Harris 1

## 4Q/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 | 1Q/01  | 2Q/01  | 3Q/01  | 4Q/01 | 1Q/02  | 2Q/02  | 3Q/02  | 4Q/02  |
|--|--------|--------|--------|-------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 0      | 0     | 1.0    | 0      | 2.0    | 0      |
| Critical hours                         | 2160.0 | 2183.0 | 1992.2 | 7.5   | 2142.3 | 2184.0 | 2173.9 | 2209.0 |
|  |        |        |        |       |        |        |        |        |
| Indicator value                        | 0.9    | 0      | 0      | 0     | 1.1    | 1.1    | 3.2    | 2.4    |

Licensee Comments:

4Q/02: October period has 745 hours due to Daylight Savings time change.

### Scrams with Loss of Normal Heat Removal



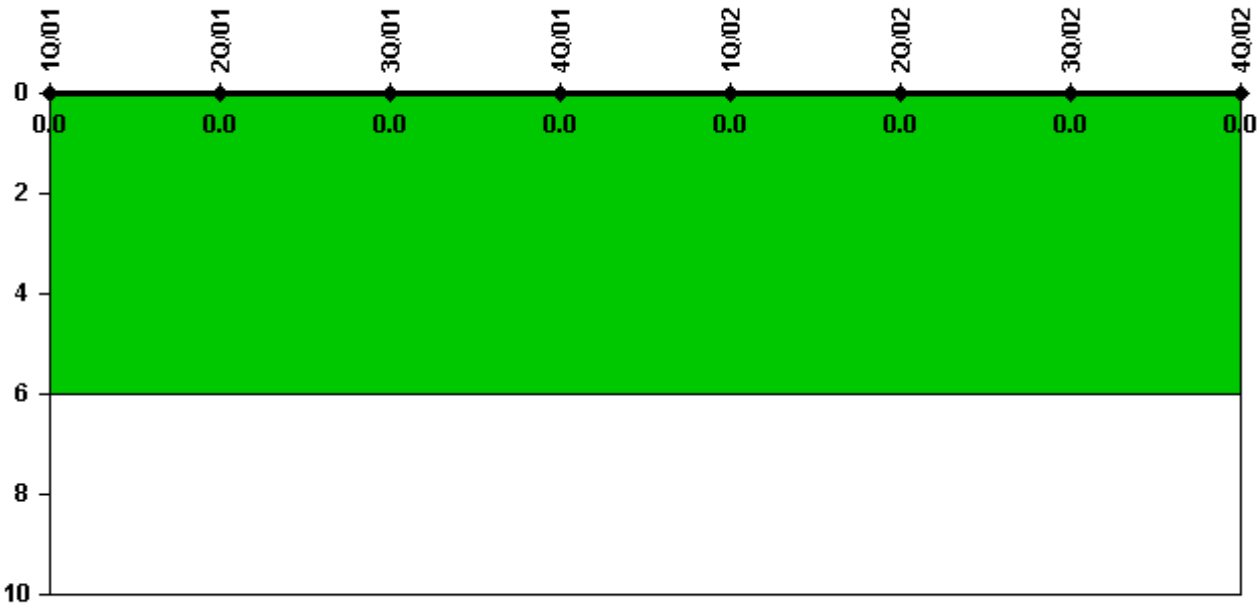
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

| Scrams with Loss of Normal Heat Removal | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/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



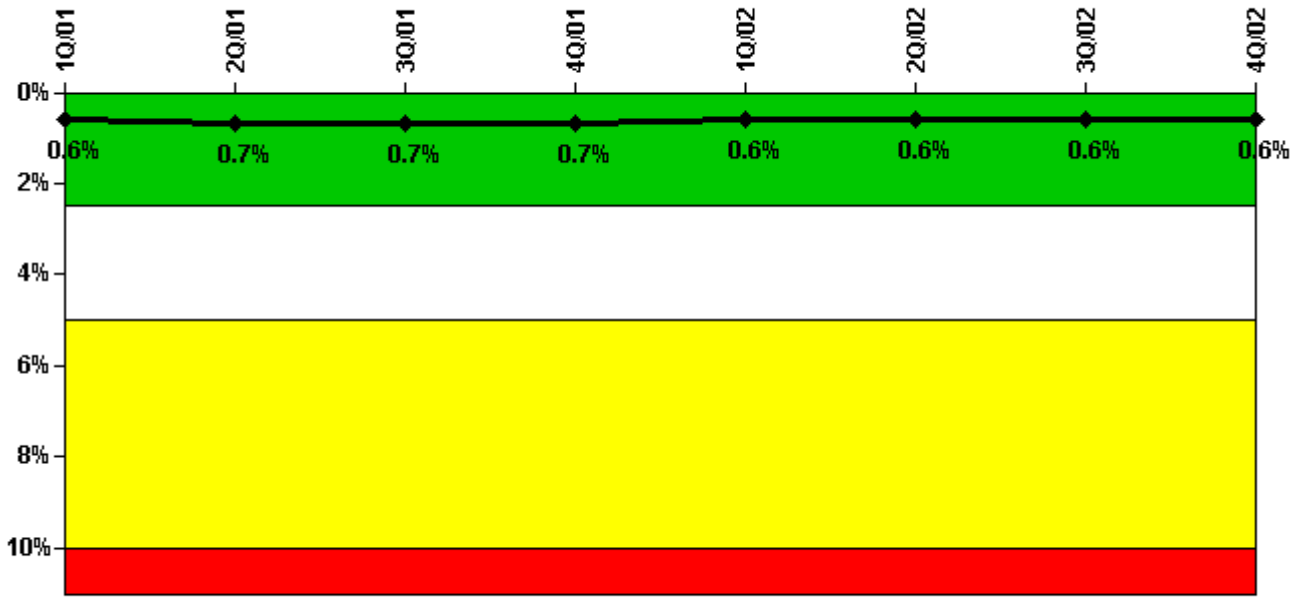
Thresholds: White > 6.0

#### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/01  | 2Q/01  | 3Q/01  | 4Q/01 | 1Q/02  | 2Q/02  | 3Q/02  | 4Q/02  |
|---|--------|--------|--------|-------|--------|--------|--------|--------|
| Unplanned power changes                       | 0      | 0      | 0      | 0     | 0      | 0      | 0      | 0      |
| Critical hours                                | 2160.0 | 2183.0 | 1992.2 | 7.5   | 2142.3 | 2184.0 | 2173.9 | 2209.0 |
|   |        |        |        |       |        |        |        |        |
| Indicator value                               | 0      | 0      | 0      | 0     | 0      | 0      | 0      | 0      |

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



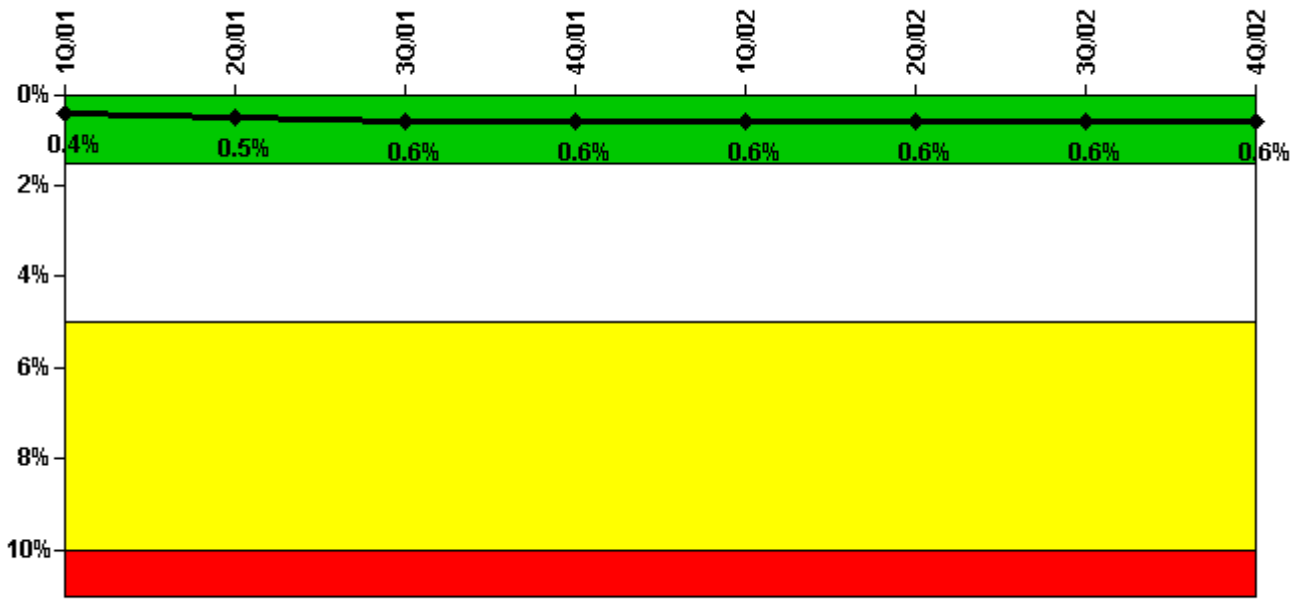
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, Emergency AC Power | 1Q/01       | 2Q/01       | 3Q/01       | 4Q/01       | 1Q/02       | 2Q/02       | 3Q/02       | 4Q/02       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>                                   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                        | 15.84       | 3.49        | 21.09       | 1.22        | 16.98       | 4.01        | 10.47       | 2.67        |
| Unplanned unavailable hours                      | 6.50        | 0.20        | 0           | 0           | 0           | 0           | 0           | 3.20        |
| Fault exposure hours                             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours                            | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours                                   | 2160.00     | 2183.00     | 2005.50     | 837.57      | 2160.00     | 2184.00     | 2208.00     | 2209.00     |
| <b>Train 2</b>                                   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                        | 35.63       | 12.93       | 1.78        | 0           | 14.29       | 12.35       | 2.67        | 25.78       |
| Unplanned unavailable hours                      | 1.47        | 9.26        | 0           | 0           | 0           | 11.95       | 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                                   | 2160.00     | 2183.00     | 2208.00     | 727.97      | 2160.00     | 2184.00     | 2208.00     | 2209.00     |
|  |             |             |             |             |             |             |             |             |
| <b>Indicator value</b>                           | <b>0.6%</b> | <b>0.7%</b> | <b>0.7%</b> | <b>0.7%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> |

Licensee Comments: none

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



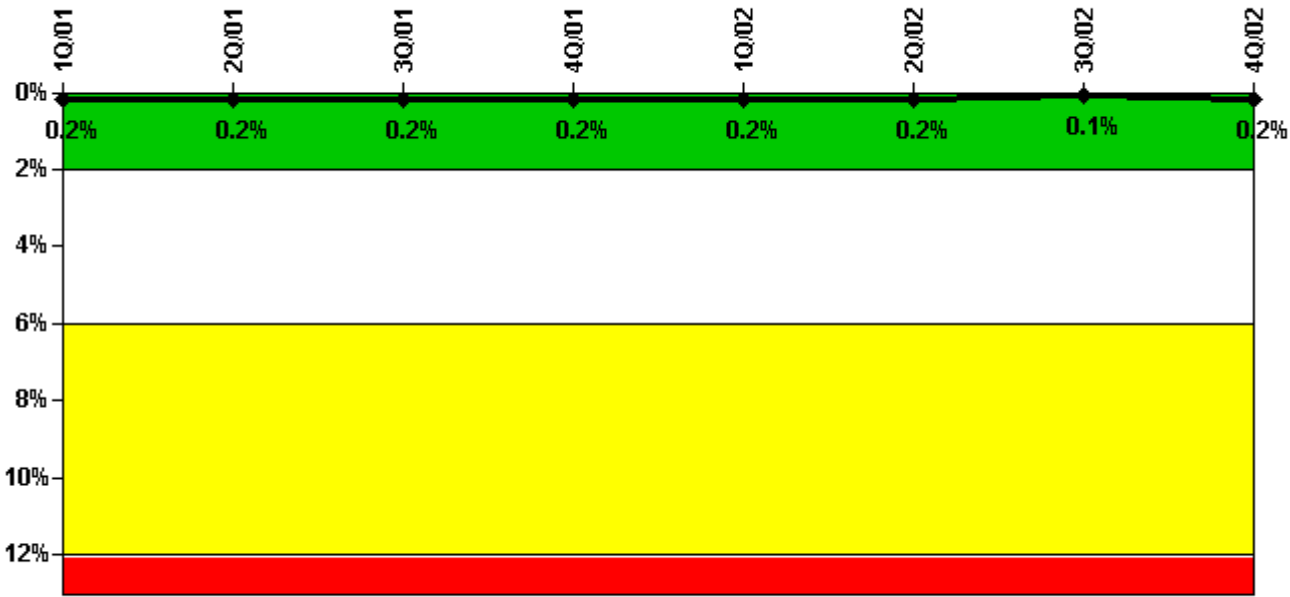
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, High Pressure Injection System (HPSI) | 1Q/01   | 2Q/01   | 3Q/01   | 4Q/01  | 1Q/02   | 2Q/02   | 3Q/02   | 4Q/02   |
|---|---------|---------|---------|--------|---------|---------|---------|---------|
| <b>Train 1</b>  |         |         |         |        |         |         |         |         |
| Planned unavailable hours   | 10.45   | 25.40   | 36.36   | 0      | 24.41   | 9.27    | 18.05   | 12.34   |
| Unplanned unavailable hours   | 0       | 0       | 0       | 0      | 10.45   | 0.55    | 0       | 6.37    |
| Fault exposure hours  | 0       | 0       | 0       | 0      | 0       | 0       | 0       | 0       |
| Effective Reset hours   | 0       | 0       | 0       | 0      | 0       | 0       | 0       | 0       |
| Required hours  | 2160.00 | 2183.00 | 2005.50 | 108.28 | 2160.00 | 2184.00 | 2208.00 | 2209.00 |
| <b>Train 2</b>  |         |         |         |        |         |         |         |         |
| Planned unavailable hours   | 9.65    | 30.65   | 8.52    | 0      | 10.51   | 22.57   | 16.13   | 3.00    |
| Unplanned unavailable hours   | 0       | 8.95    | 0       | 0      | 0       | 0       | 0       | 0       |
| Fault exposure hours  | 0       | 0       | 0       | 0      | 0       | 0       | 0       | 0       |
| Effective Reset hours   | 97.05   | 0       | 0       | 0      | 0       | 0       | 0       | 0       |
| Required hours  | 2160.00 | 2183.00 | 2005.50 | 108.28 | 2160.00 | 2184.00 | 2208.00 | 2209.00 |
|   |         |         |         |        |         |         |         |         |
| Indicator value   | 0.4%    | 0.5%    | 0.6%    | 0.6%   | 0.6%    | 0.6%    | 0.6%    | 0.6%    |

Licensee Comments: none

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



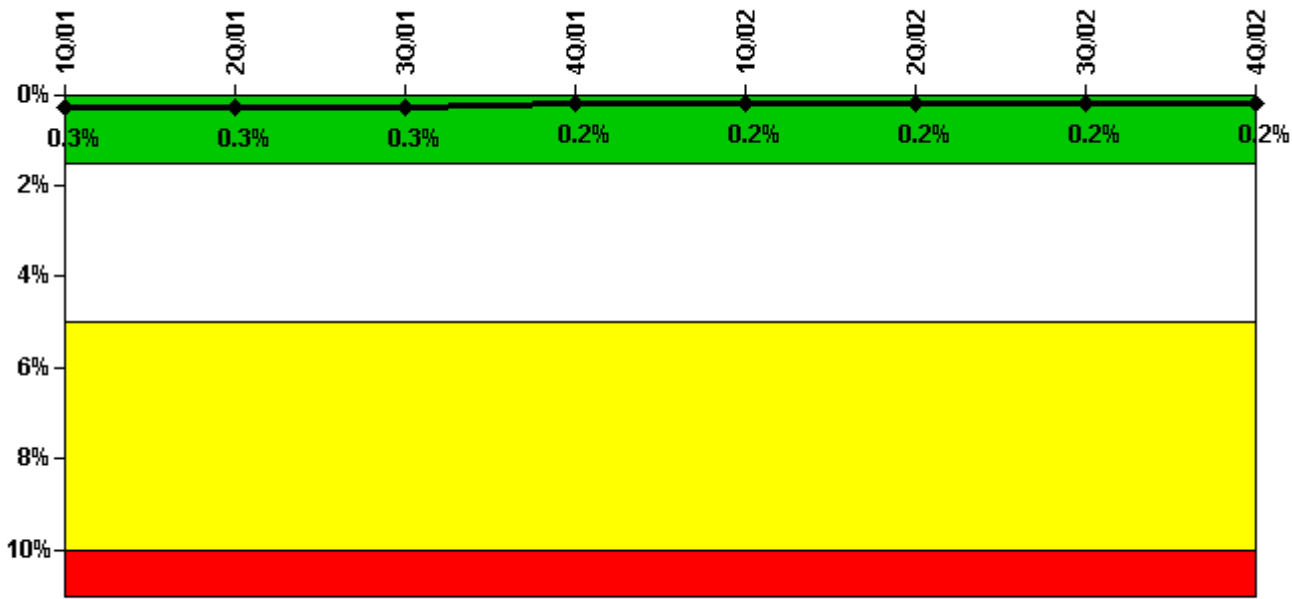
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

#### Notes

| Safety System Unavailability, Heat Removal System (AFW) | 1Q/01       | 2Q/01       | 3Q/01       | 4Q/01       | 1Q/02       | 2Q/02       | 3Q/02       | 4Q/02       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 1.17        | 0           | 0           | 0           | 0           | 0.73        | 0           |
| Unplanned unavailable hours                             | 0           | 4.27        | 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  | 2160.00     | 2183.00     | 1996.72     | 68.72       | 2160.00     | 2184.00     | 2208.00     | 2209.00     |
| <b>Train 2</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 0           | 3.38        | 0           | 0           | 6.00        | 0           | 0           |
| Unplanned unavailable hours                             | 0           | 1.38        | 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  | 2160.00     | 2183.00     | 1996.72     | 68.72       | 2160.00     | 2184.00     | 2208.00     | 2209.00     |
| <b>Train 3</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 6.83        | 8.47        | 0           | 11.67       | 0           | 0           | 9.00        |
| Unplanned unavailable hours                             | 0           | 0           | 0           | 0           | 0           | 1.20        | 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  | 2160.00     | 2183.00     | 1996.72     | 68.72       | 2160.00     | 2184.00     | 2208.00     | 2209.00     |
| <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>0.1%</b> | <b>0.2%</b> |

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



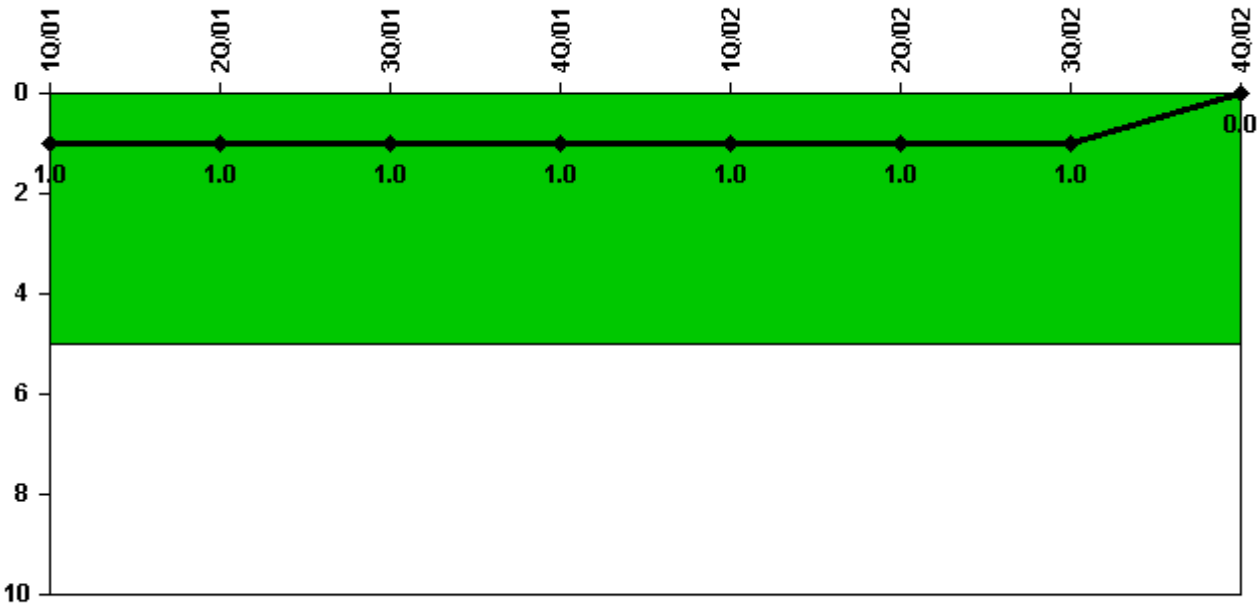
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, Residual Heat Removal System | 1Q/01       | 2Q/01       | 3Q/01       | 4Q/01       | 1Q/02       | 2Q/02       | 3Q/02       | 4Q/02       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 5.20        | 0           | 8.70        | 0           | 4.20        | 2.72        | 0           | 7.03        |
| 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   | 2160.00     | 2183.00     | 2208.00     | 726.75      | 2160.00     | 2184.00     | 2208.00     | 2209.00     |
| <b>Train 2</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 0           | 1.20        | 8.30        | 0           | 4.40        | 5.22        | 0           | 1.82        |
| Unplanned unavailable hours                                | 0           | 0           | 3.70        | 0           | 0           | 0           | 0           | 0           |
| Fault exposure hours                                       | 0           | 0           | 7.70        | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours                                      | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours   | 2160.00     | 2183.00     | 2208.00     | 726.75      | 2160.00     | 2184.00     | 2208.00     | 2209.00     |
|  |             |             |             |             |             |             |             |             |
| <b>Indicator value</b>                                     | <b>0.3%</b> | <b>0.3%</b> | <b>0.3%</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

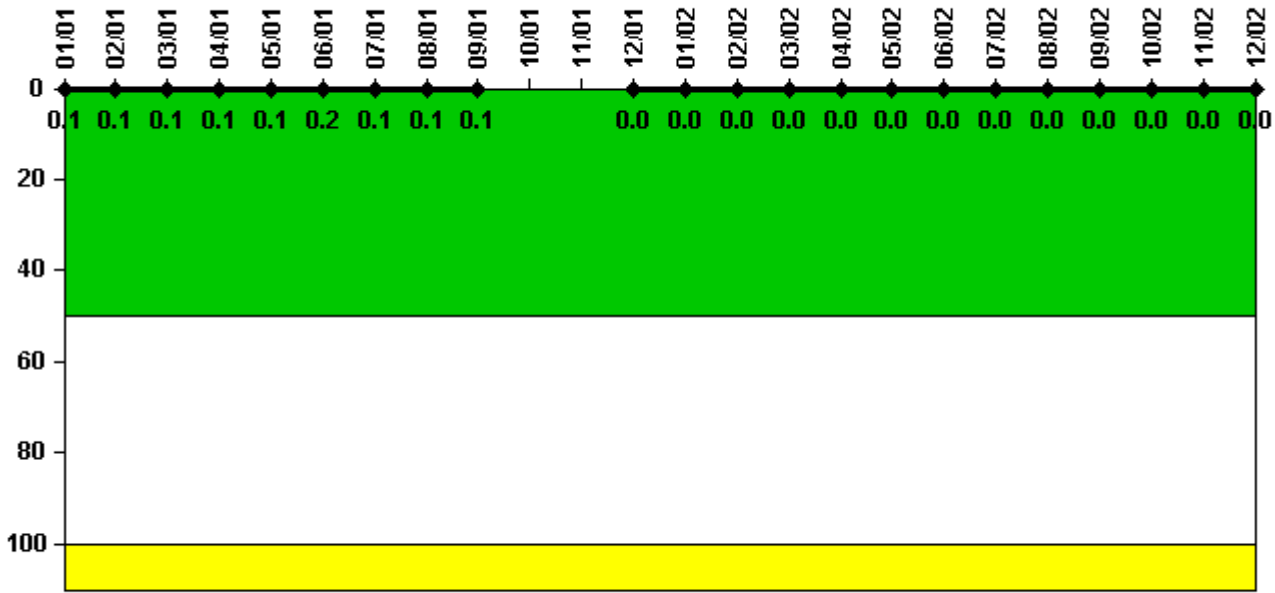
#### Notes

| Safety System Functional Failures (PWR) | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures       | 0     | 0     | 0     | 1     | 0     | 0     | 0     | 0     |
|   |       |       |       |       |       |       |       |       |
| Indicator value                         | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 0     |

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

**Notes**

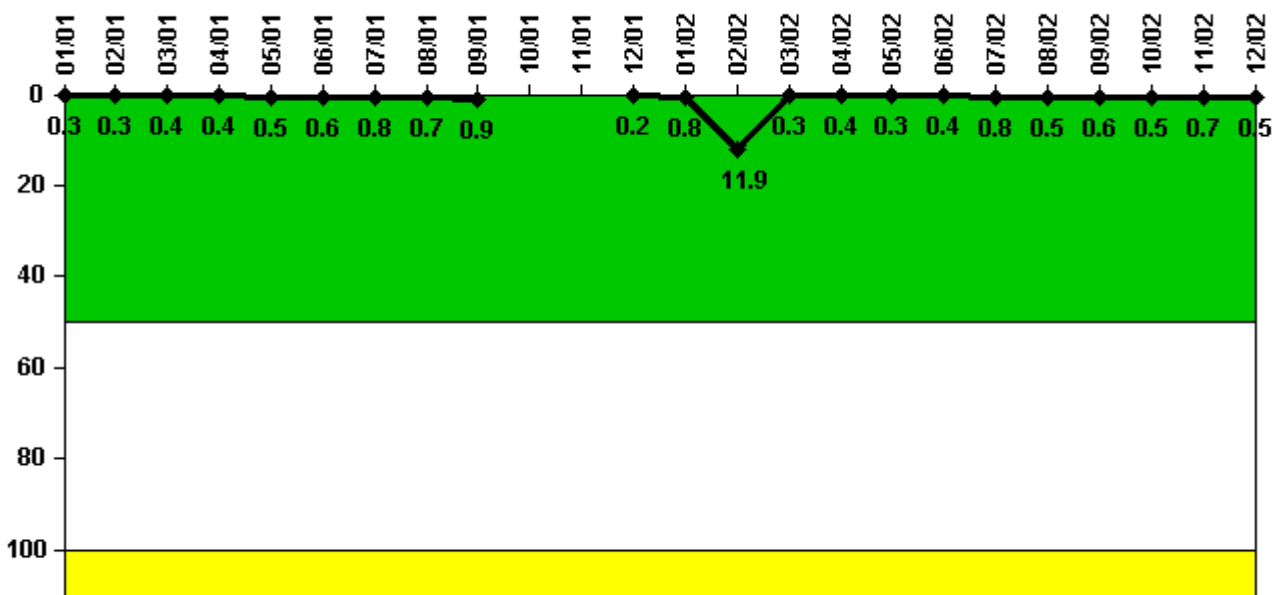
| Reactor Coolant System Activity | 1/01     | 2/01     | 3/01     | 4/01     | 5/01     | 6/01     | 7/01     | 8/01     | 9/01     | 10/01 | 11/01 | 12/01 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|-------|-------|
| Maximum activity                | 0.000779 | 0.000791 | 0.000820 | 0.000837 | 0.000939 | 0.002140 | 0.001430 | 0.001323 | 0.001280 | N/A   | N/A   | 0     |
| 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      | 0.1      | 0.1      | 0.1      | 0.1      | 0.2      | 0.1      | 0.1      | 0.1      | N/A   | N/A   | 0     |

| Reactor Coolant System Activity | 1/02     | 2/02     | 3/02     | 4/02     | 5/02     | 6/02     | 7/02     | 8/02     | 9/02     | 10/02    | 11/02    | 12/02    |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000126 | 0.000197 | 0.000185 | 0.000241 | 0.000157 | 0.000212 | 0.000160 | 0.000165 | 0.000355 | 0.000189 | 0.000181 | 0.000187 |
| 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        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

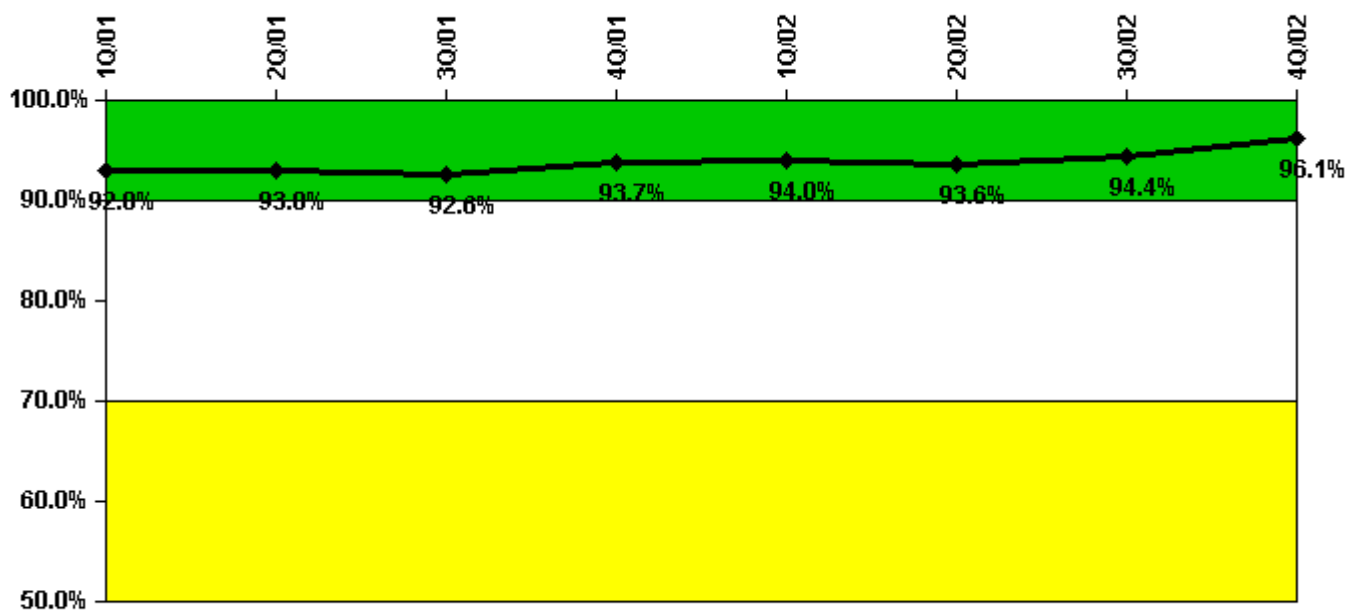
| Reactor Coolant System Leakage | 1/01  | 2/01  | 3/01  | 4/01  | 5/01  | 6/01  | 7/01  | 8/01  | 9/01  | 10/01 | 11/01 | 12/01 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.030 | 0.030 | 0.040 | 0.040 | 0.050 | 0.060 | 0.080 | 0.070 | 0.090 | N/A   | N/A   | 0.020 |
| 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   | 0.3   | 0.4   | 0.4   | 0.5   | 0.6   | 0.8   | 0.7   | 0.9   | N/A   | N/A   | 0.2   |

| Reactor Coolant System Leakage | 1/02  | 2/02  | 3/02  | 4/02  | 5/02  | 6/02  | 7/02  | 8/02  | 9/02  | 10/02 | 11/02 | 12/02 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.080 | 1.190 | 0.030 | 0.040 | 0.030 | 0.040 | 0.080 | 0.050 | 0.060 | 0.050 | 0.070 | 0.050 |
| 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                | 0.8   | 11.9  | 0.3   | 0.4   | 0.3   | 0.4   | 0.8   | 0.5   | 0.6   | 0.5   | 0.7   | 0.5   |

Licensee Comments: none

### Drill/Exercise Performance



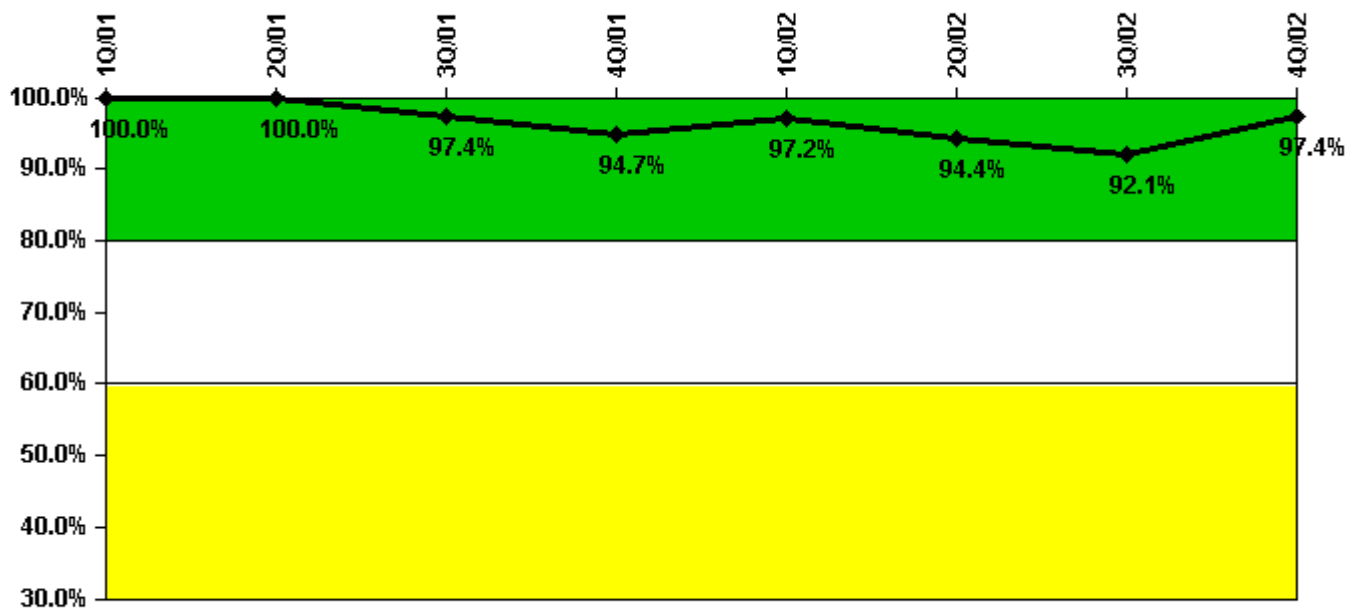
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 34.0  | 26.0  | 4.0   | 2.0   | 52.0  | 10.0  | 18.0  | 26.0  |
| Total opportunities        | 34.0  | 26.0  | 4.0   | 2.0   | 57.0  | 10.0  | 18.0  | 28.0  |
|                            |       |       |       |       |       |       |       |       |
| Indicator value            | 92.8% | 93.0% | 92.6% | 93.7% | 94.0% | 93.6% | 94.4% | 96.1% |

Licensee Comments: none

### ERO Drill Participation



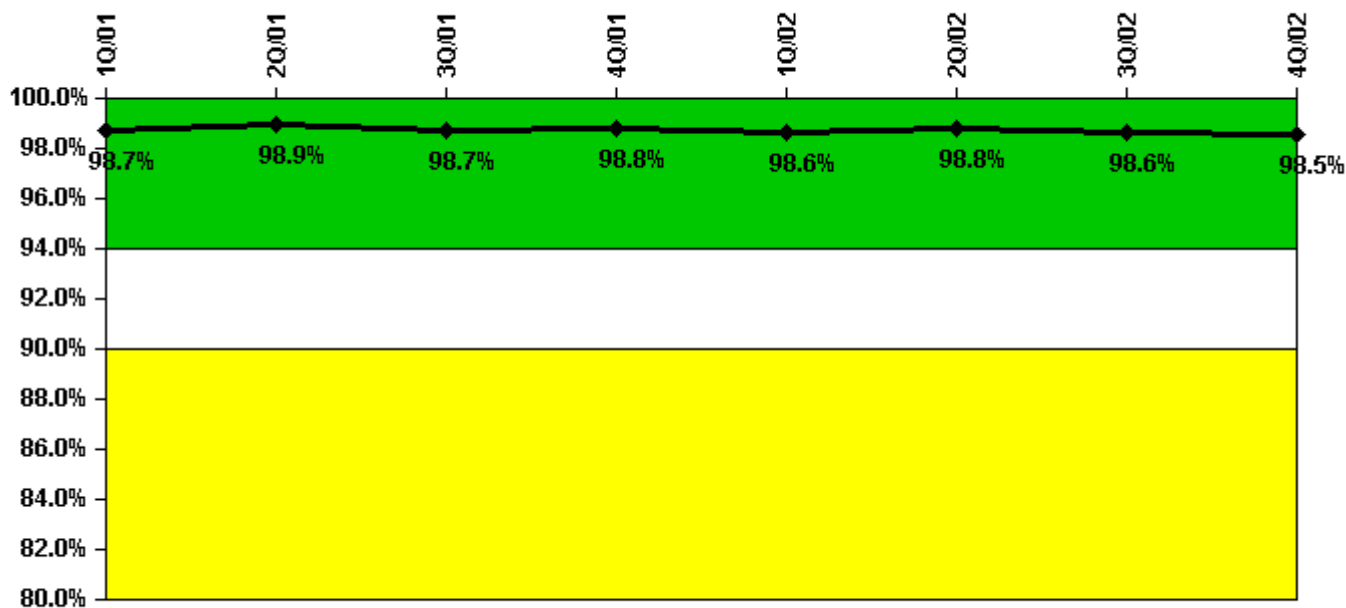
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 1Q/01  | 2Q/01  | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|-----------------------------|--------|--------|-------|-------|-------|-------|-------|-------|
| Participating Key personnel | 37.0   | 37.0   | 37.0  | 36.0  | 35.0  | 34.0  | 35.0  | 38.0  |
| Total Key personnel         | 37.0   | 37.0   | 38.0  | 38.0  | 36.0  | 36.0  | 38.0  | 39.0  |
|                             |        |        |       |       |       |       |       |       |
| Indicator value             | 100.0% | 100.0% | 97.4% | 94.7% | 97.2% | 94.4% | 92.1% | 97.4% |

Licensee Comments: none

### Alert & Notification System



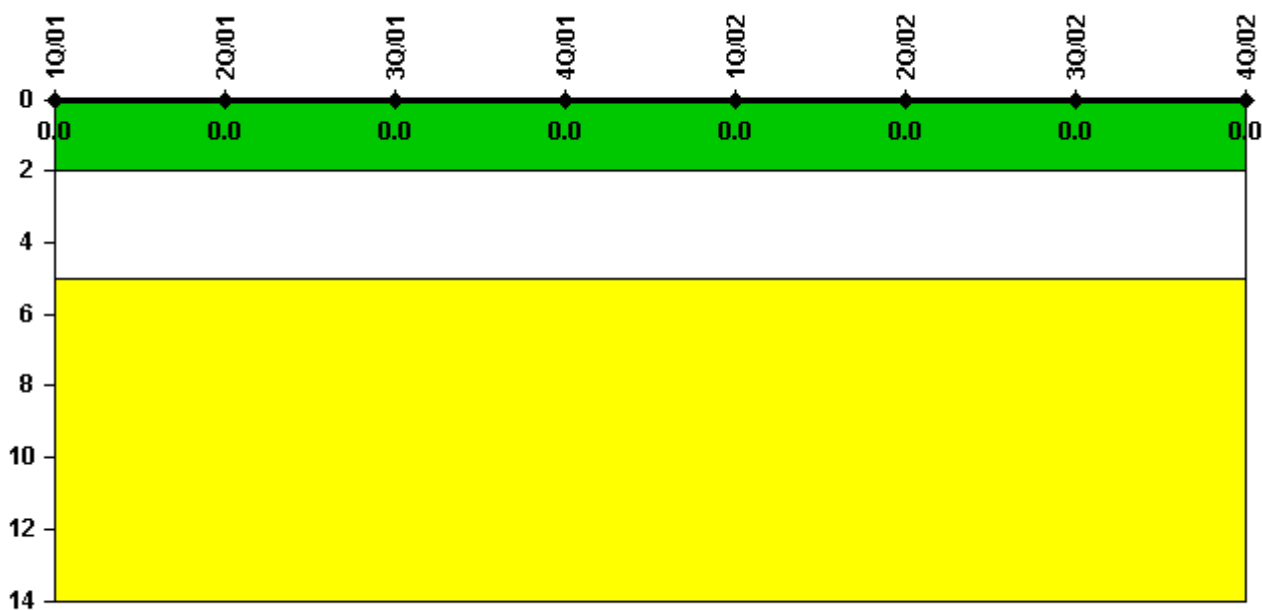
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 645   | 559   | 594   | 682   | 642   | 564   | 708   | 640   |
| Total sirens-tests          | 648   | 567   | 607   | 689   | 648   | 567   | 729   | 648   |
|                             |       |       |       |       |       |       |       |       |
| Indicator value             | 98.7% | 98.9% | 98.7% | 98.8% | 98.6% | 98.8% | 98.6% | 98.5% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



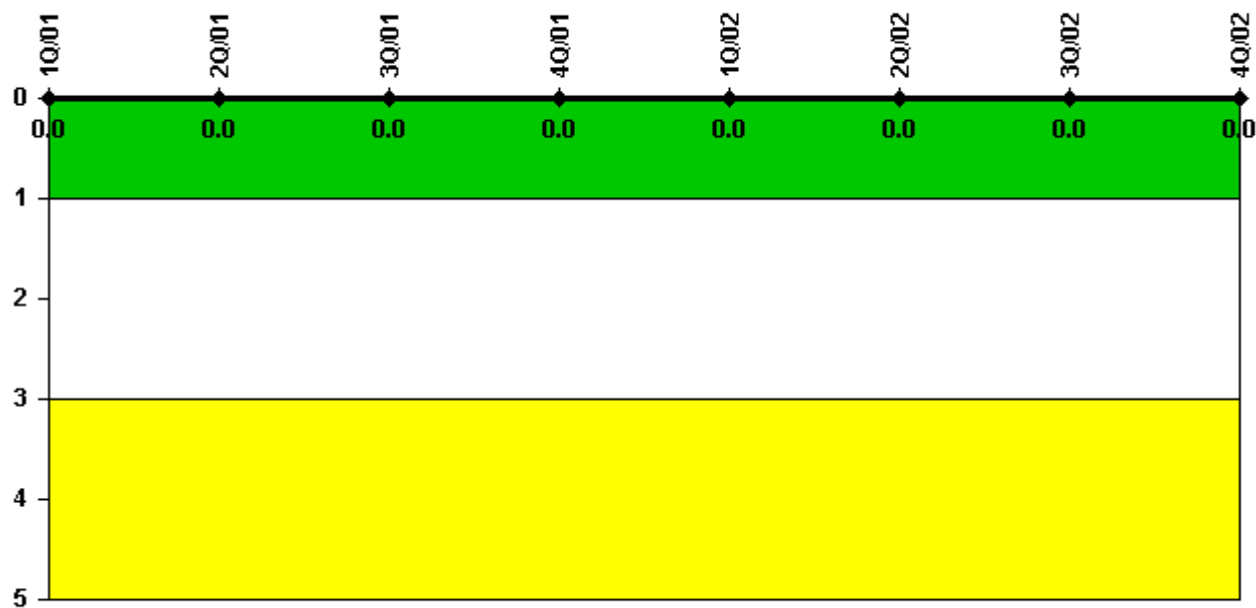
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

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



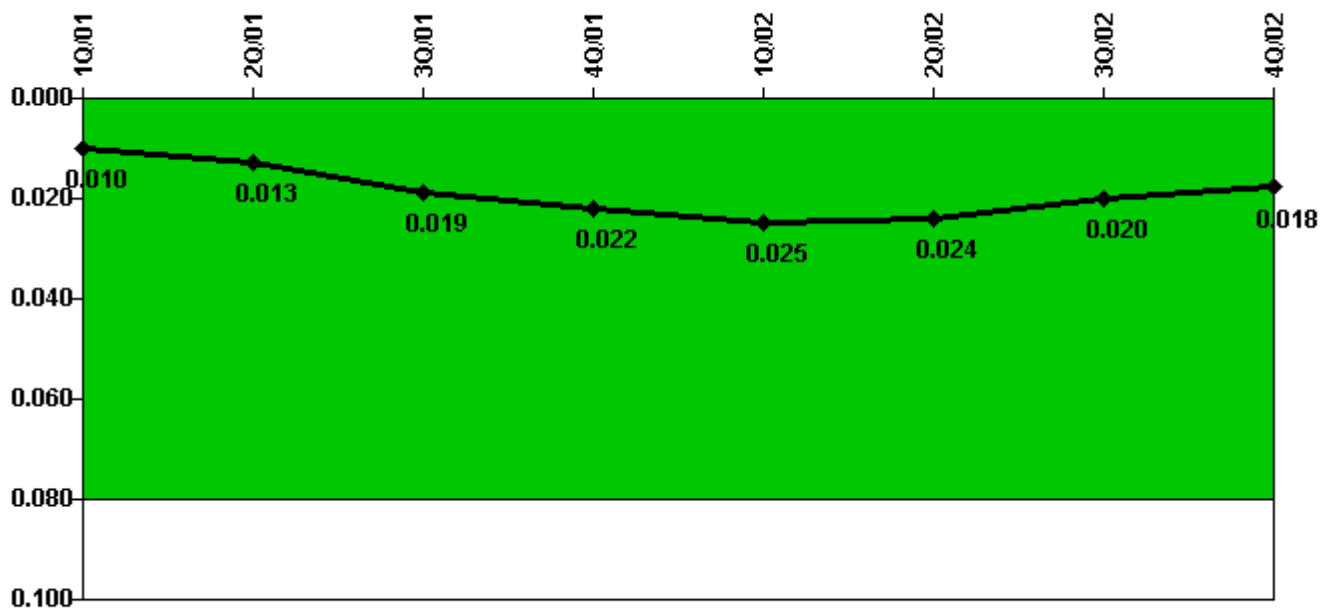
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

| RETS/ODCM Radiological Effluent | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/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

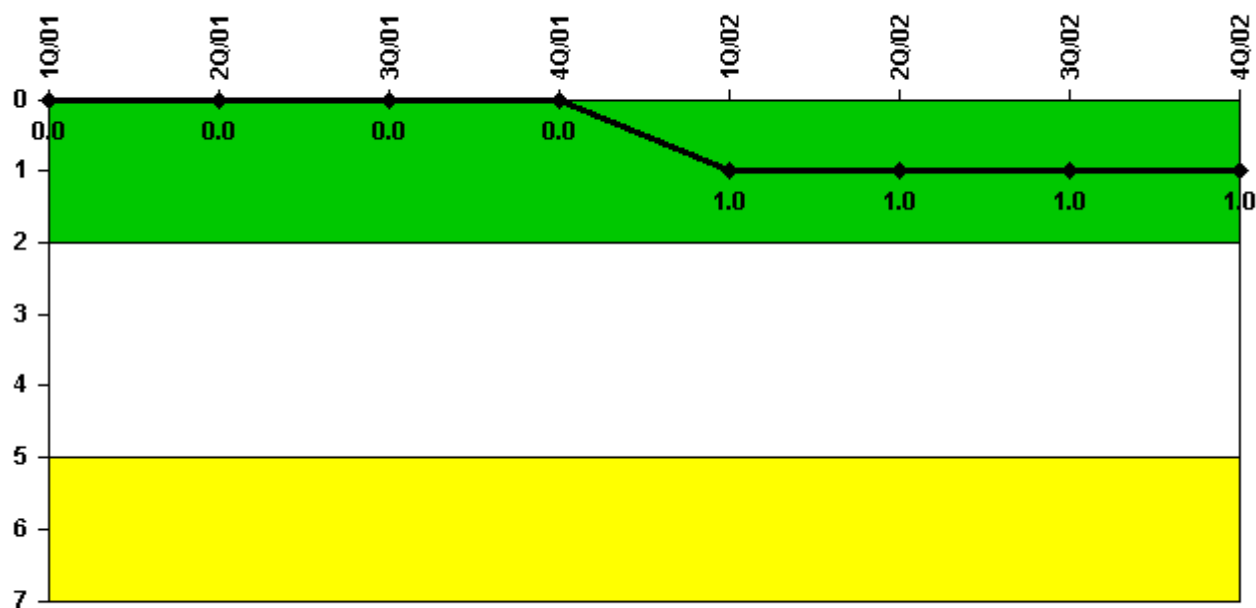
#### Notes

| Protected Area Security Performance Index | 1Q/01        | 2Q/01        | 3Q/01        | 4Q/01        | 1Q/02        | 2Q/02        | 3Q/02        | 4Q/02        |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| IDS compensatory hours                    | 53.08        | 256.70       | 332.20       | 250.40       | 353.08       | 184.08       | 229.30       | 133.90       |
| CCTV compensatory hours                   | 61.4         | 0.5          | 36.4         | 0            | 0            | 3.1          | 0            | 5.3          |
| IDS normalization factor                  | 2.85         | 2.85         | 2.85         | 2.85         | 2.85         | 2.85         | 2.85         | 2.85         |
| CCTV normalization factor                 | 1.4          | 1.4          | 1.4          | 1.4          | 1.4          | 1.4          | 1.4          | 1.4          |
|   |              |              |              |              |              |              |              |              |
| <b>Index Value</b>                        | <b>0.010</b> | <b>0.013</b> | <b>0.019</b> | <b>0.022</b> | <b>0.025</b> | <b>0.024</b> | <b>0.020</b> | <b>0.018</b> |

Licensee Comments: none



### Personnel Screening Program



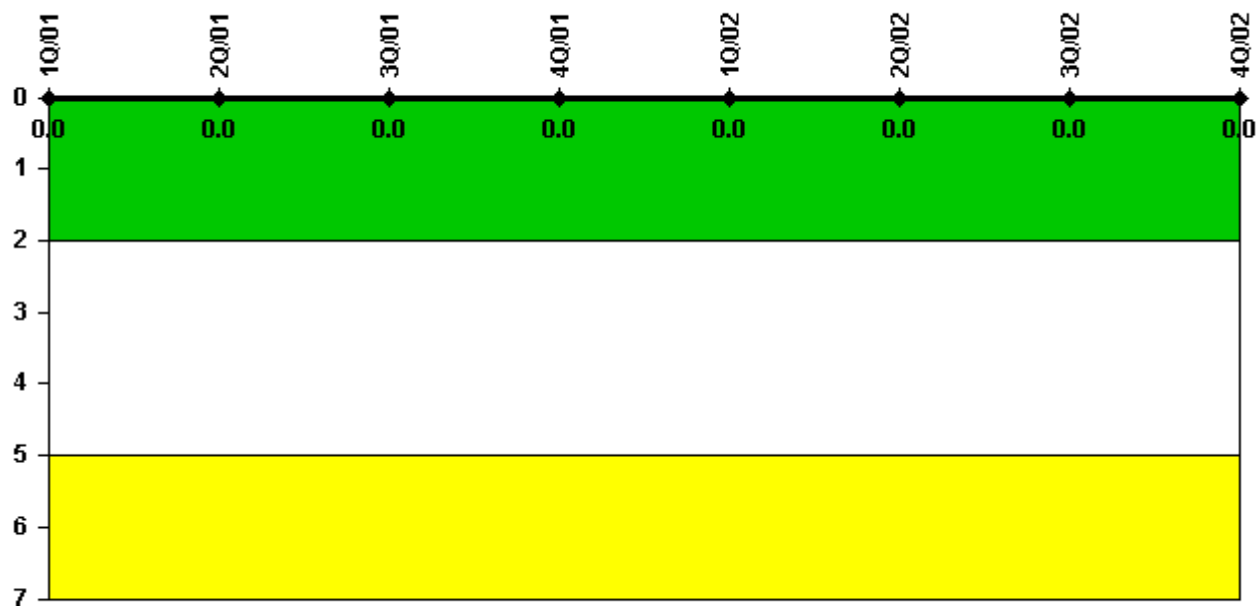
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

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

Licensee Comments: none

### FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

### Notes

| FFD/Personnel Reliability | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/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: January 30, 2003