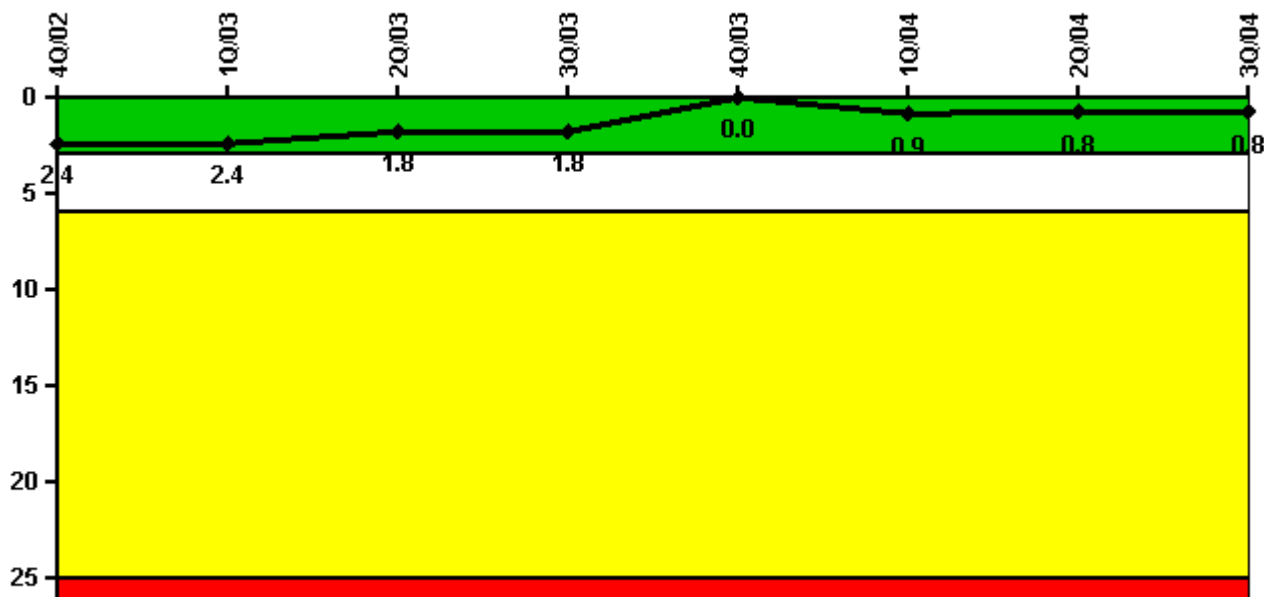


# Farley 1

## 3Q/2004 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



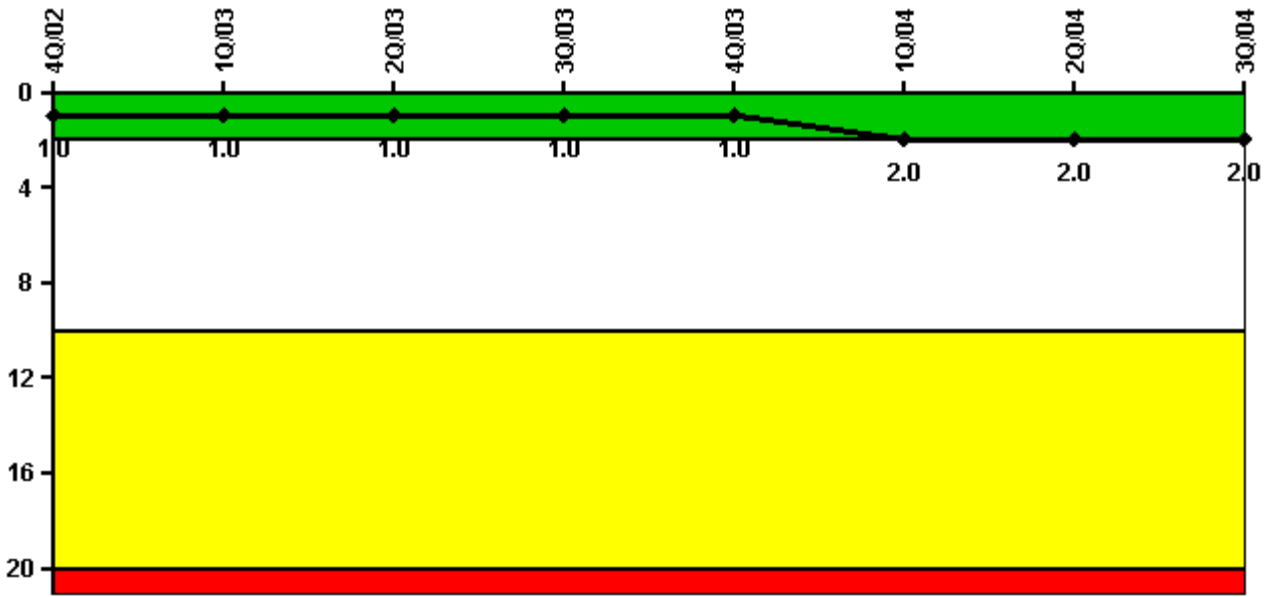
**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

### 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                       | 2.0    | 0      | 0      | 0      | 0      | 1.0    | 0      | 0      |
| Critical hours                         | 2158.9 | 2089.1 | 1468.7 | 2208.0 | 2209.0 | 2159.4 | 2183.0 | 2208.0 |
| Indicator value                        | 2.4    | 2.4    | 1.8    | 1.8    | 0      | 0.9    | 0.8    | 0.8    |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



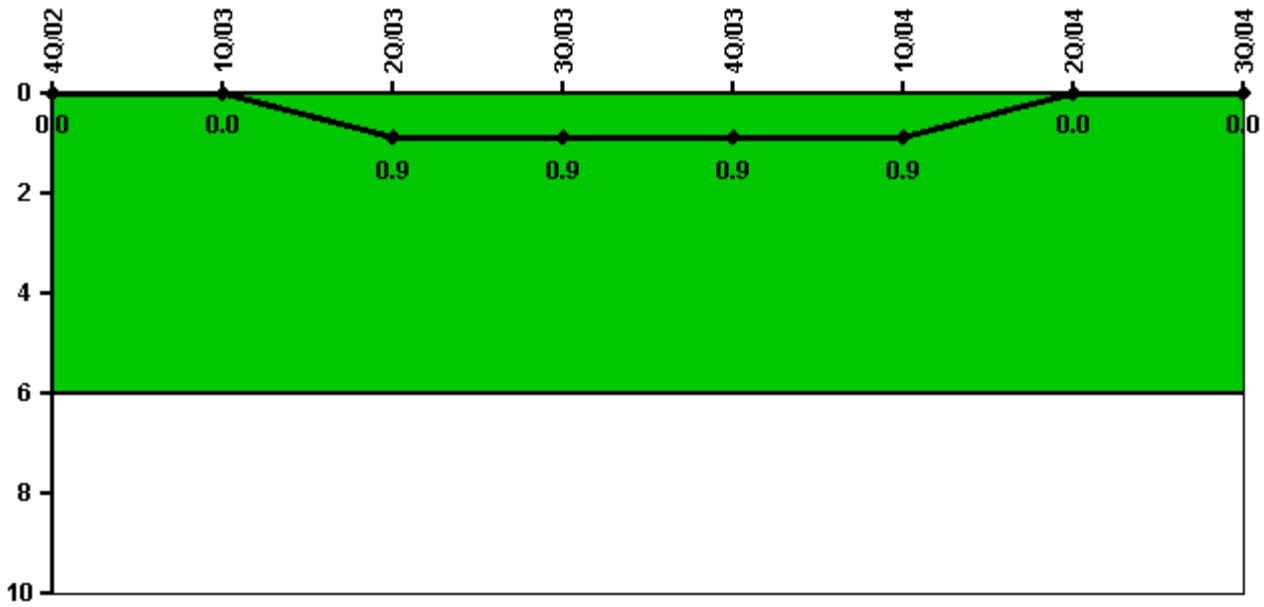
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



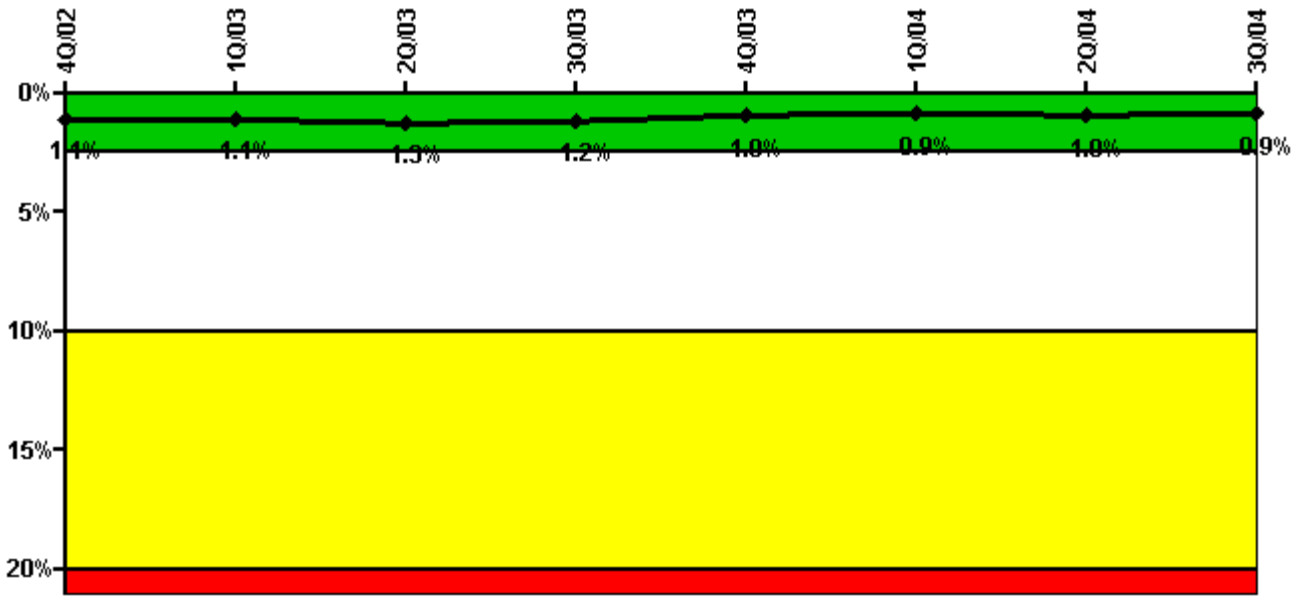
Thresholds: White > 6.0

#### 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                                | 2158.9 | 2089.1 | 1468.7 | 2208.0 | 2209.0 | 2159.4 | 2183.0 | 2208.0 |
| Indicator value                               | 0      | 0      | 0.9    | 0.9    | 0.9    | 0.9    | 0      | 0      |

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power, >2EDG



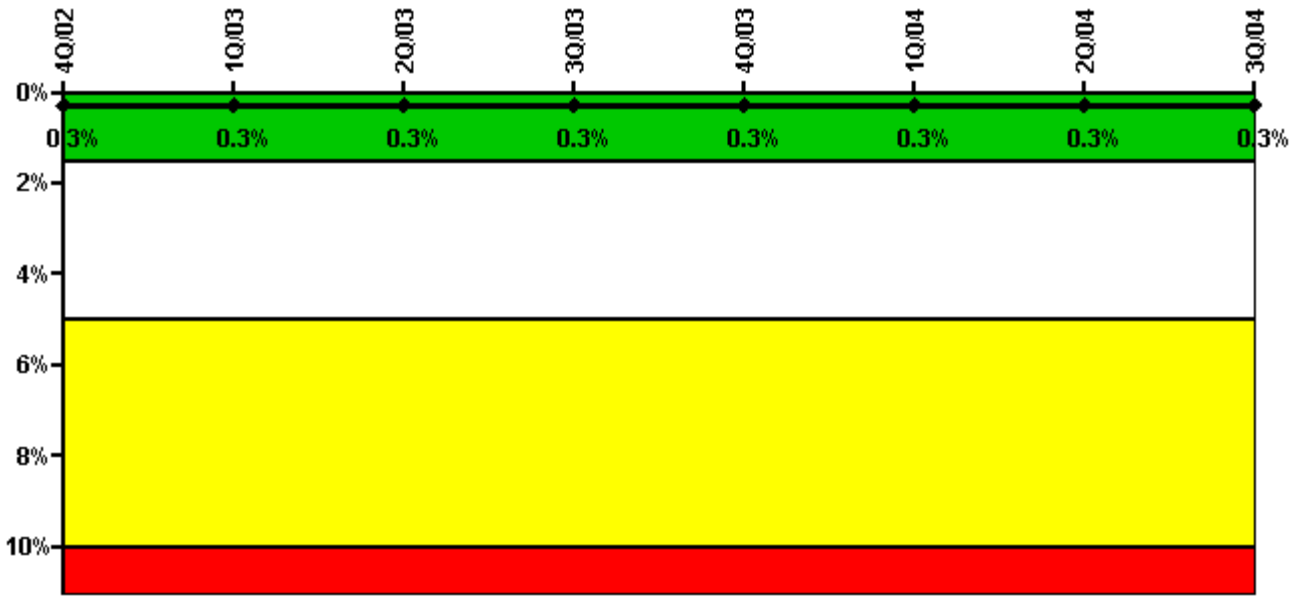
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

**Notes**

| Safety System Unavailability, Emergency AC Power, >2EDG | 4Q/02       | 1Q/03       | 2Q/03       | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       |
|---------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>                                          |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 7.70        | 0.97        | 125.40      | 26.10       | 29.70       | 0           | 44.00       | 2.60        |
| Unplanned unavailable hours                             | 101.90      | 0           | 1.40        | 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     | 2160.00     | 2183.00     | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     |
| <b>Train 2</b>                                          |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0.60        | 33.00       | 0.30        | 30.20       | 0           | 3.00        | 0.30        | 30.10       |
| 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     | 2160.00     | 2183.00     | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     |
| <b>Train 3</b>                                          |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 1.20        | 0.25        | 7.40        | 10.20       | 3.90        | 99.10       | 40.50       | 34.00       |
| 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                                          | 2209.00     | 2160.00     | 2183.00     | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     |
| <b>Indicator value</b>                                  | <b>1.1%</b> | <b>1.1%</b> | <b>1.3%</b> | <b>1.2%</b> | <b>1.0%</b> | <b>0.9%</b> | <b>1.0%</b> | <b>0.9%</b> |

Licensee Comments: none

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



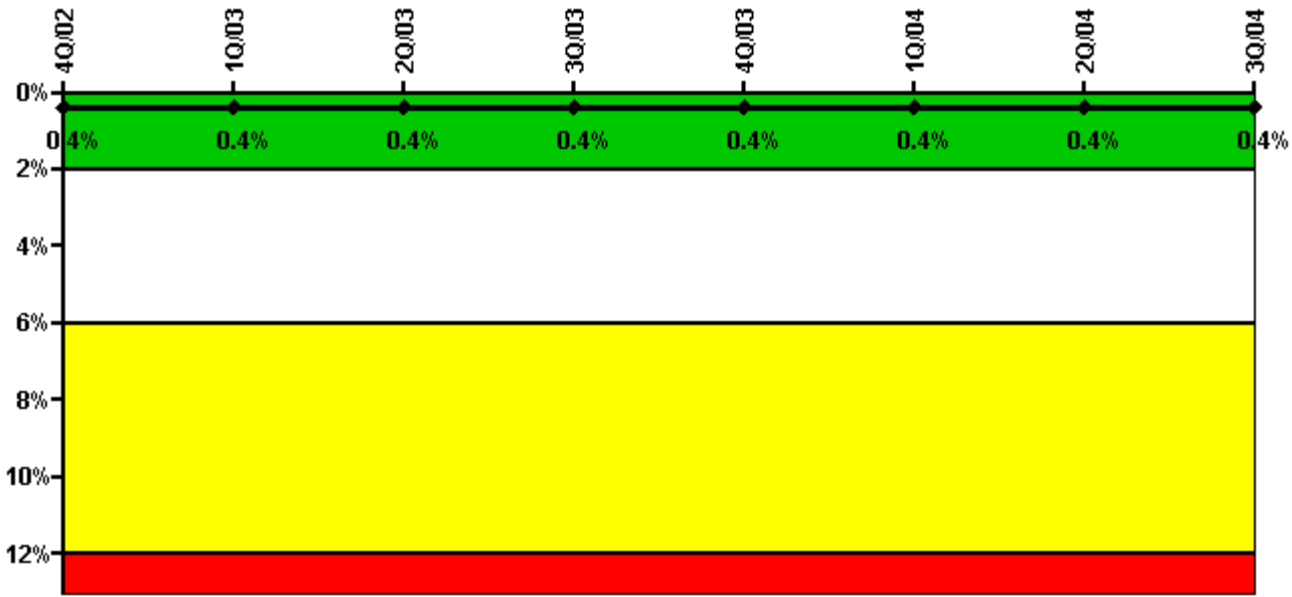
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

| Safety System Unavailability, High Pressure Injection System (HPSI) | 4Q/02       | 1Q/03       | 2Q/03       | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       |
|---------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>                                                      |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                           | 5.20        | 2.50        | 2.00        | 4.20        | 3.70        | 5.10        | 1.90        | 7.10        |
| Unplanned unavailable hours                                         | 0           | 0           | 0           | 3.80        | 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                                                      | 2158.90     | 2089.10     | 1468.73     | 2208.00     | 2209.00     | 2159.37     | 2183.00     | 2208.00     |
| <b>Train 2</b>                                                      |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                           | 2.60        | 5.90        | 2.30        | 6.00        | 4.40        | 3.60        | 6.60        | 9.90        |
| 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                                                      | 2158.90     | 2089.10     | 1468.73     | 2208.00     | 2209.00     | 2159.37     | 2183.00     | 2208.00     |
| <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, Heat Removal System (AFW)



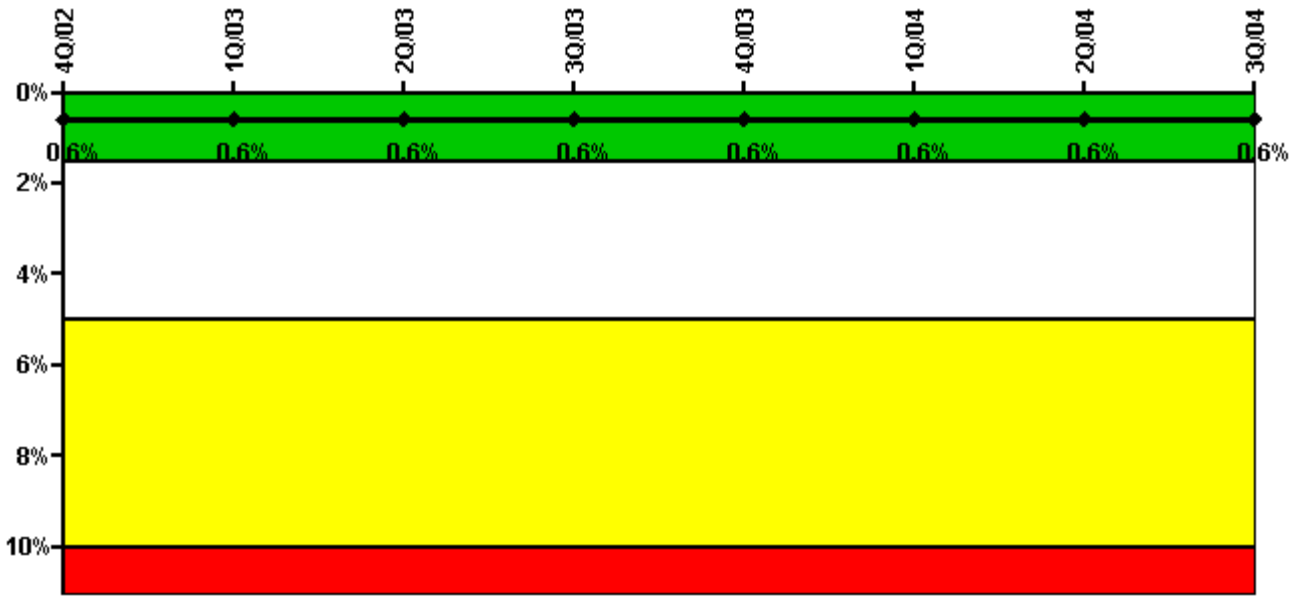
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

**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                               | 5.20        | 3.50        | 2.70        | 9.90        | 5.10        | 10.00       | 3.20        | 5.30        |
| Unplanned unavailable hours                             | 0           | 0           | 0           | 3.80        | 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                                          | 2158.90     | 2089.10     | 1468.73     | 2208.00     | 2209.00     | 2159.37     | 2183.00     | 2208.00     |
| <b>Train 2</b>                                          |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 3.10        | 8.33        | 2.30        | 7.90        | 4.40        | 5.80        | 8.10        | 3.50        |
| 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                                          | 2158.90     | 2089.10     | 1468.73     | 2208.00     | 2209.00     | 2159.37     | 2183.00     | 2208.00     |
| <b>Train 3</b>                                          |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0.30        | 2.16        | 40.00       | 3.40        | 7.10        | 27.50       | 1.90        | 16.40       |
| 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                                          | 2158.90     | 2089.10     | 1468.73     | 2208.00     | 2209.00     | 2159.37     | 2183.00     | 2208.00     |
| <b>Indicator value</b>                                  | <b>0.4%</b> | <b>0.4%</b> | <b>0.4%</b> | <b>0.4%</b> | <b>0.4%</b> | <b>0.4%</b> | <b>0.4%</b> | <b>0.4%</b> |

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



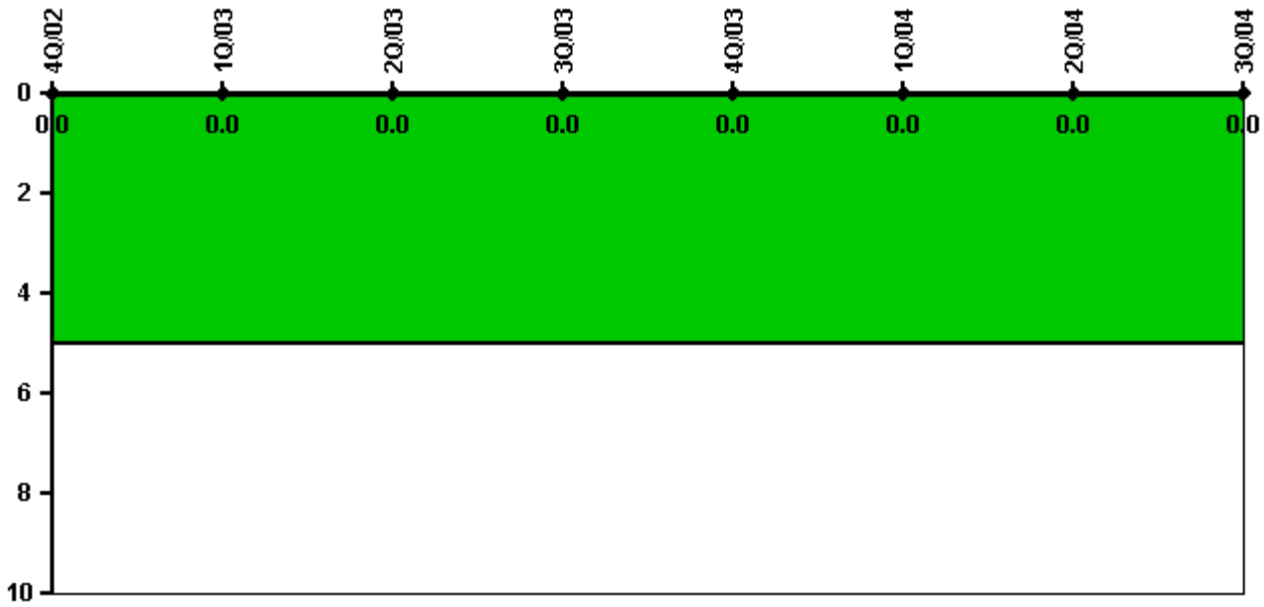
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**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                                  | 19.80       | 14.70       | 7.90        | 11.00       | 4.50        | 20.60       | 3.00        | 24.40       |
| Unplanned unavailable hours                                | 0           | 13.30       | 0           | 3.80        | 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     | 2160.00     | 2183.00     | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     |
| <b>Train 2</b>                                             |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 11.40       | 6.90        | 15.90       | 8.00        | 12.00       | 4.60        | 21.50       | 24.00       |
| 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                                             | 2209.00     | 2160.00     | 2183.00     | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     |
| <b>Indicator value</b>                                     | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> | <b>0.6%</b> |

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

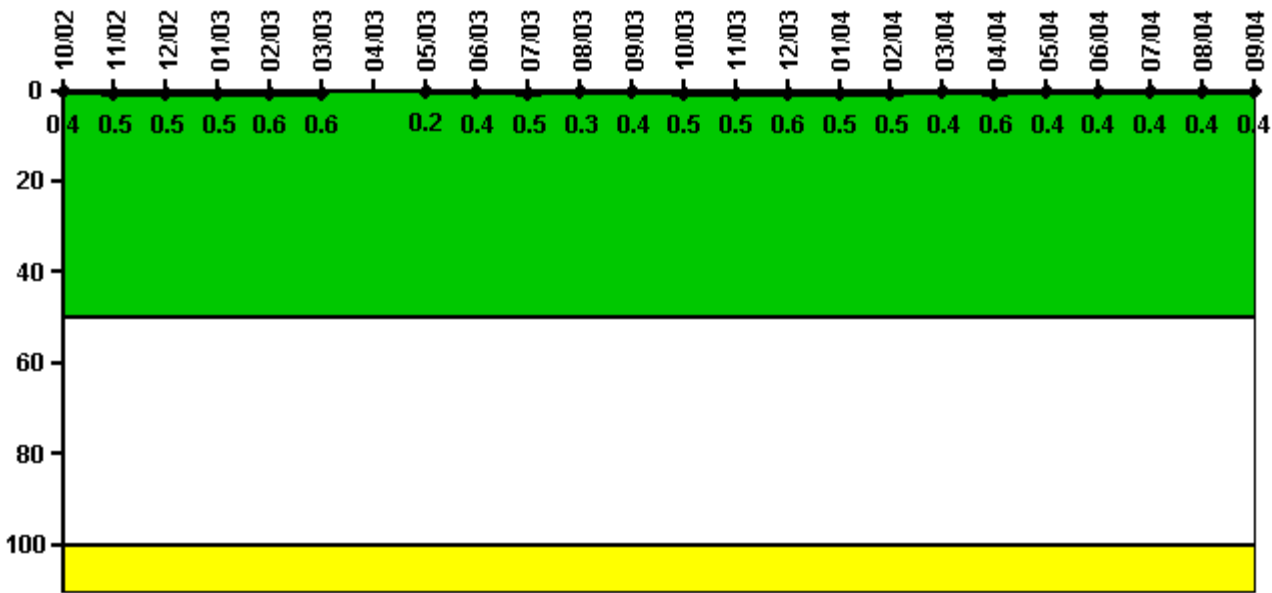
#### Notes

| 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     | 0     | 0     | 0     | 0     | 0     | 0     |
| Indicator value                         | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

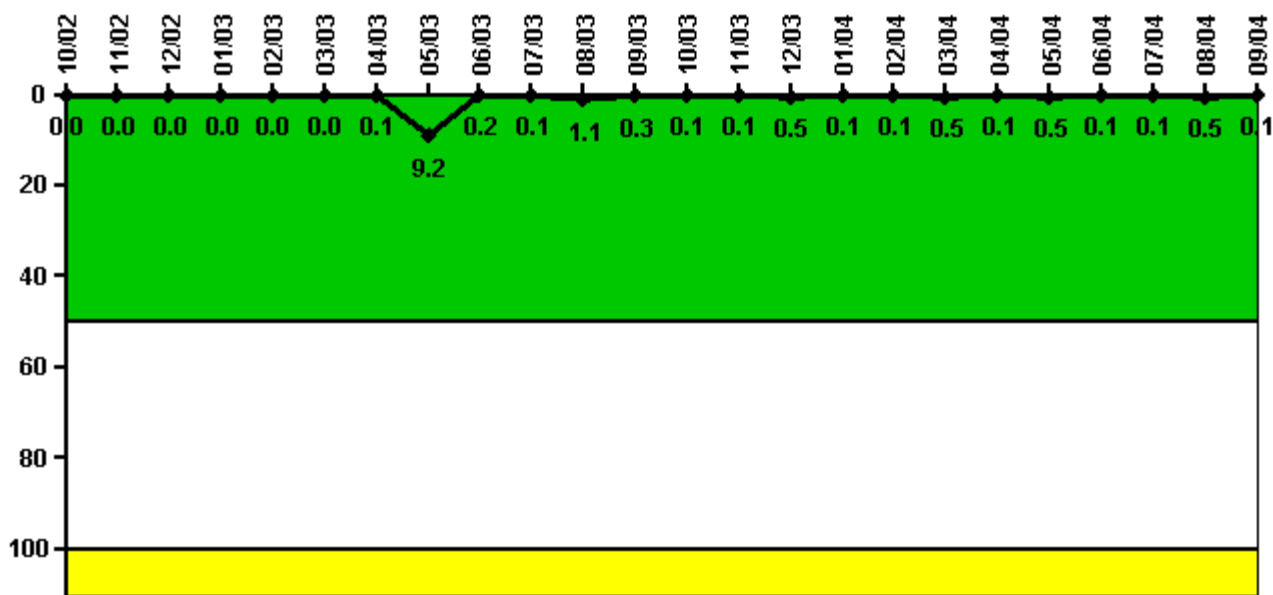
| Reactor Coolant System Activity | 10/02    | 11/02    | 12/02    | 1/03     | 2/03     | 3/03     | 4/03 | 5/03     | 6/03     | 7/03     | 8/03     | 9/03     |
|---------------------------------|----------|----------|----------|----------|----------|----------|------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.002145 | 0.002302 | 0.002536 | 0.002593 | 0.002833 | 0.002807 | N/A  | 0.001185 | 0.002150 | 0.002310 | 0.001570 | 0.002002 |
| Technical specification limit   | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5  | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      |
| Indicator value                 | 0.4      | 0.5      | 0.5      | 0.5      | 0.6      | 0.6      | N/A  | 0.2      | 0.4      | 0.5      | 0.3      | 0.4      |

| 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                | 0.002449 | 0.002735 | 0.002806 | 0.002376 | 0.002283 | 0.002167 | 0.002815 | 0.002128 | 0.001935 | 0.001817 | 0.001885 | 0.001885 |
| Technical specification limit   | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      |
| Indicator value                 | 0.5      | 0.5      | 0.6      | 0.5      | 0.5      | 0.4      | 0.6      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      |

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

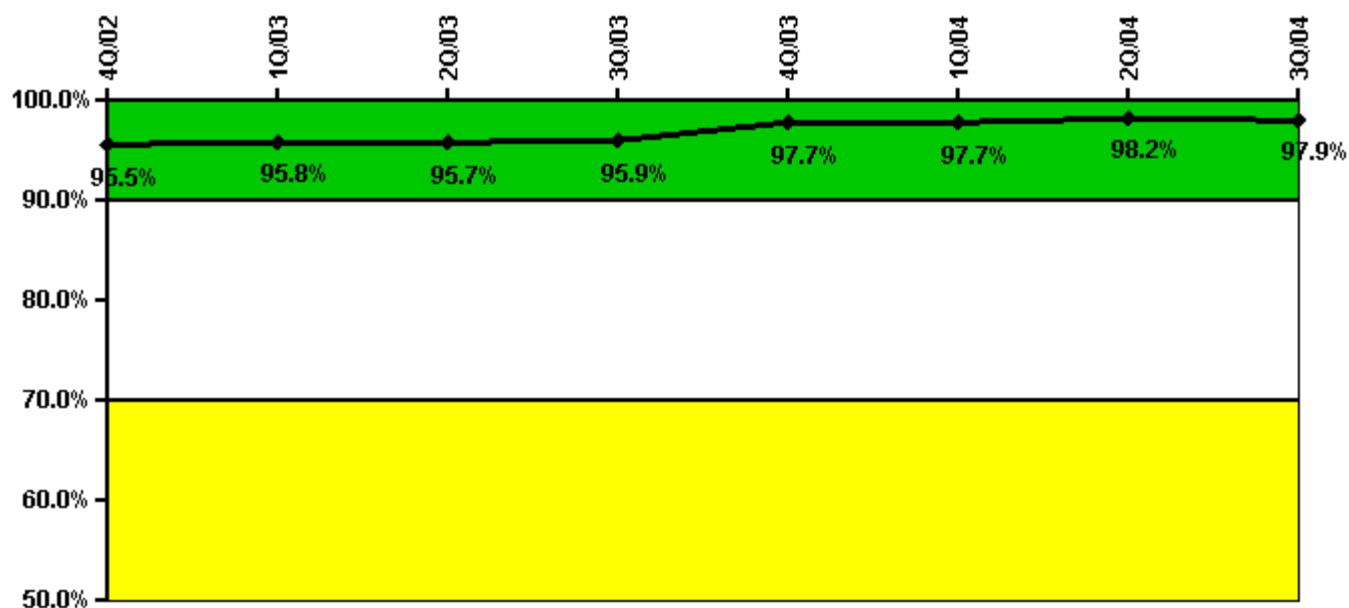
| Reactor Coolant System Leakage | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 | 4/03  | 5/03  | 6/03  | 7/03  | 8/03  | 9/03  |
|--------------------------------|-------|-------|-------|------|------|------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0     | 0     | 0     | 0    | 0    | 0    | 0.008 | 0.917 | 0.015 | 0.010 | 0.109 | 0.027 |
| 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     | 0     | 0     | 0    | 0    | 0    | 0.1   | 9.2   | 0.2   | 0.1   | 1.1   | 0.3   |

| 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                | 0.009 | 0.009 | 0.053 | 0.009 | 0.009 | 0.048 | 0.009 | 0.051 | 0.009 | 0.012 | 0.048 | 0.010 |
| 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                | 0.1   | 0.1   | 0.5   | 0.1   | 0.1   | 0.5   | 0.1   | 0.5   | 0.1   | 0.1   | 0.5   | 0.1   |

Licensee Comments: none

### Drill/Exercise Performance



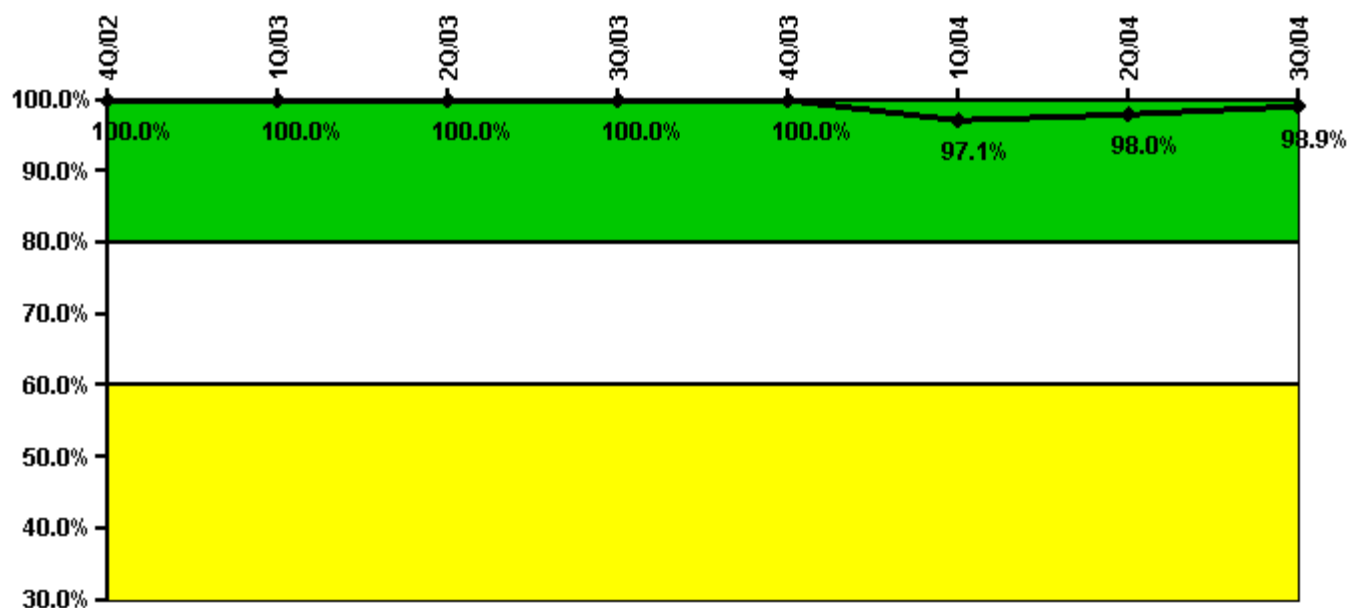
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 8.0   | 8.0   | 8.0   | 33.0  | 102.0 | 0     | 2.0   | 71.0  |
| Total opportunities        | 8.0   | 8.0   | 8.0   | 34.0  | 103.0 | 0     | 2.0   | 74.0  |
| Indicator value            | 95.5% | 95.8% | 95.7% | 95.9% | 97.7% | 97.7% | 98.2% | 97.9% |

Licensee Comments: none

### ERO Drill Participation



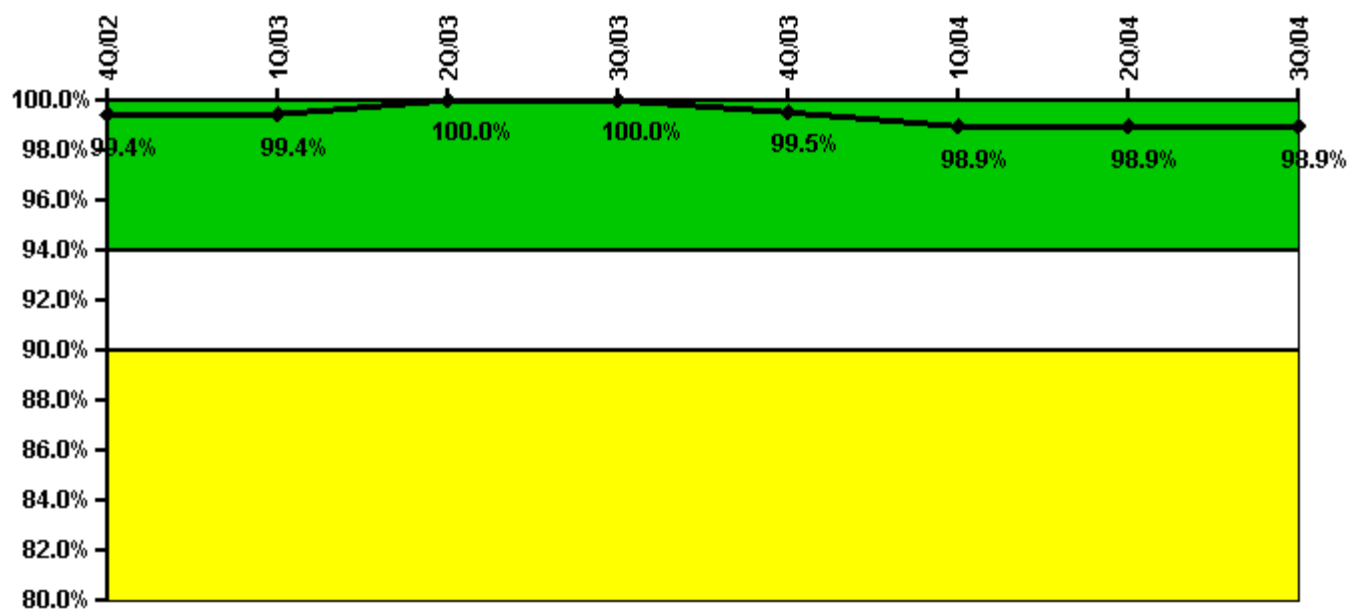
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 4Q/02  | 1Q/03  | 2Q/03  | 3Q/03  | 4Q/03  | 1Q/04 | 2Q/04 | 3Q/04 |
|-----------------------------|--------|--------|--------|--------|--------|-------|-------|-------|
| Participating Key personnel | 104.0  | 102.0  | 101.0  | 100.0  | 108.0  | 100.0 | 97.0  | 89.0  |
| Total Key personnel         | 104.0  | 102.0  | 101.0  | 100.0  | 108.0  | 103.0 | 99.0  | 90.0  |
| Indicator value             | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 97.1% | 98.0% | 98.9% |

Licensee Comments: none

### Alert & Notification System



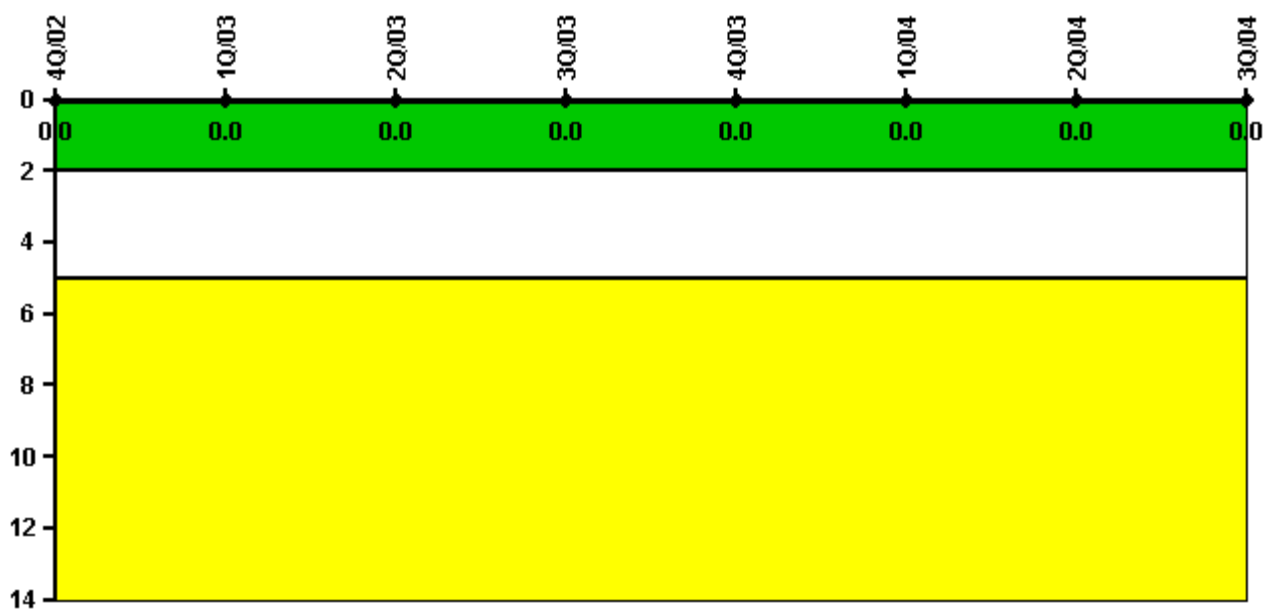
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 4Q/02 | 1Q/03 | 2Q/03  | 3Q/03  | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|-----------------------------|-------|-------|--------|--------|-------|-------|-------|-------|
| Successful siren-tests      | 42    | 48    | 45     | 45     | 47    | 47    | 45    | 45    |
| Total sirens-tests          | 42    | 48    | 45     | 45     | 48    | 48    | 45    | 45    |
| Indicator value             | 99.4% | 99.4% | 100.0% | 100.0% | 99.5% | 98.9% | 98.9% | 98.9% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



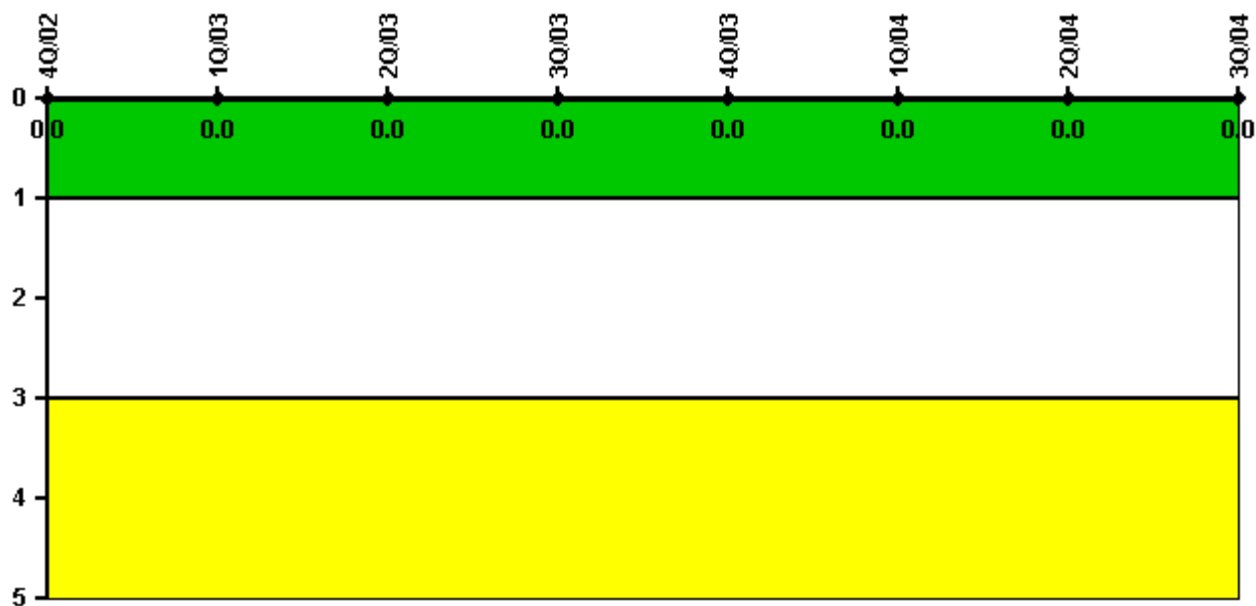
Thresholds: White > 2.0 Yellow > 5.0

**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: none

### 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.