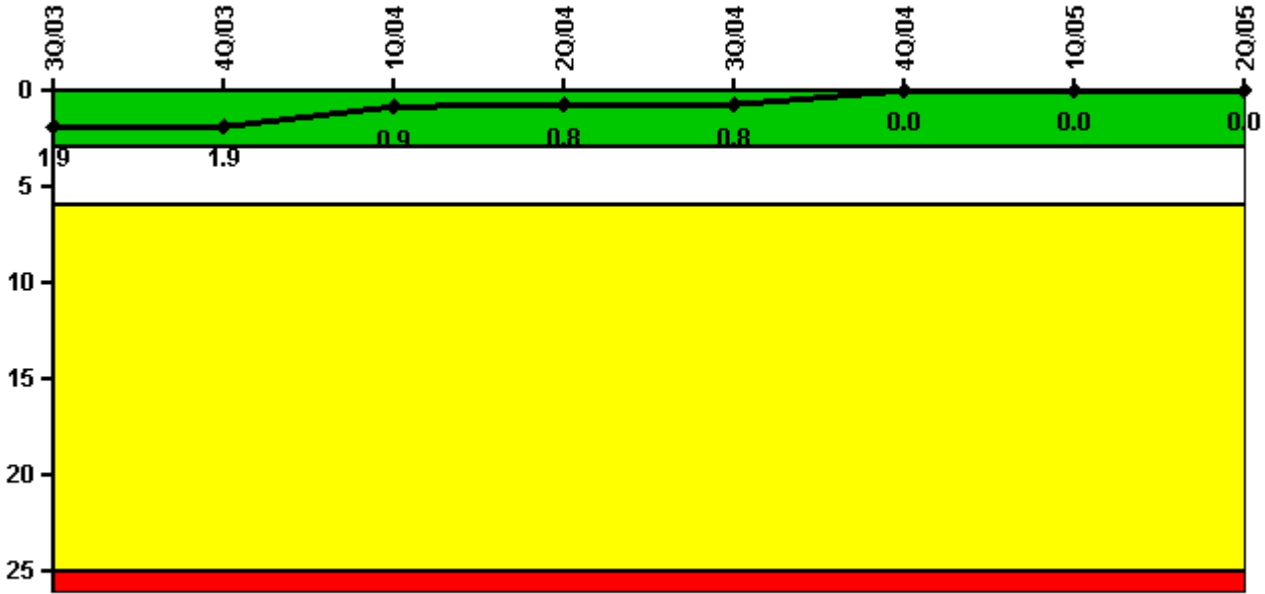


# Beaver Valley 1

## 2Q/2005 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 | 3Q/03  | 4Q/03  | 1Q/04  | 2Q/04  | 3Q/04  | 4Q/04  | 1Q/05  | 2Q/05  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 1.0    | 0      | 0      | 0      | 0      | 0      | 0      |
| Critical hours                         | 2208.0 | 2185.3 | 2184.0 | 2183.0 | 2208.0 | 1560.9 | 2160.0 | 2183.0 |
| Indicator value                        | 1.9    | 1.9    | 0.9    | 0.8    | 0.8    | 0      | 0      | 0      |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



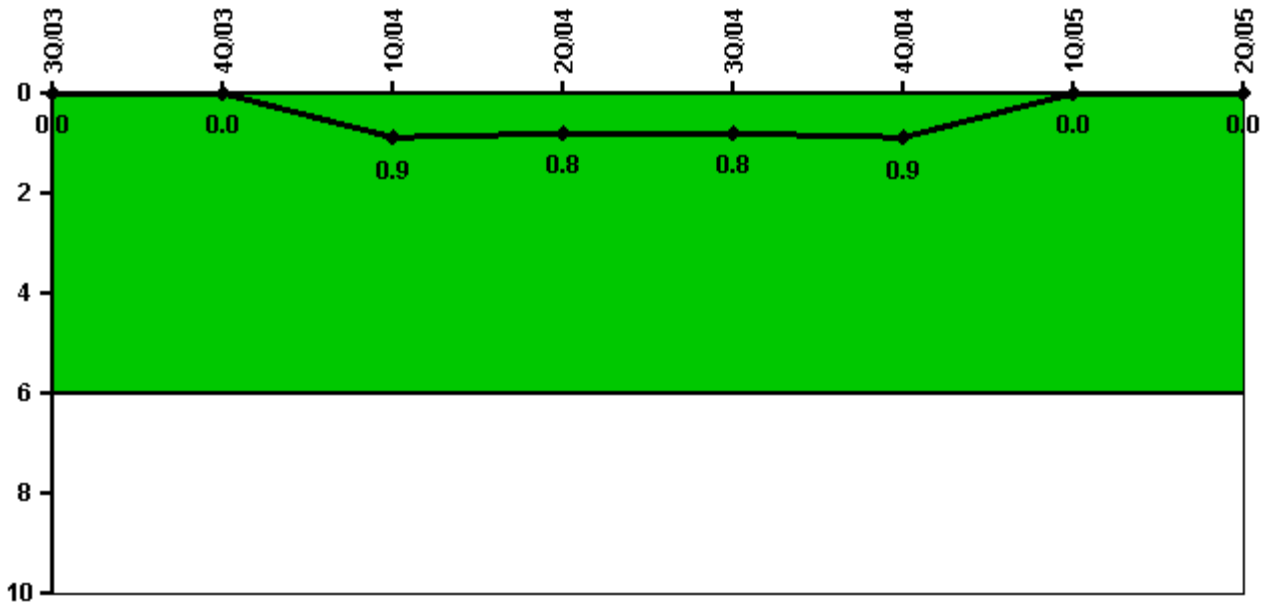
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

| Scrams with Loss of Normal Heat Removal | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams                                  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| Indicator value                         | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



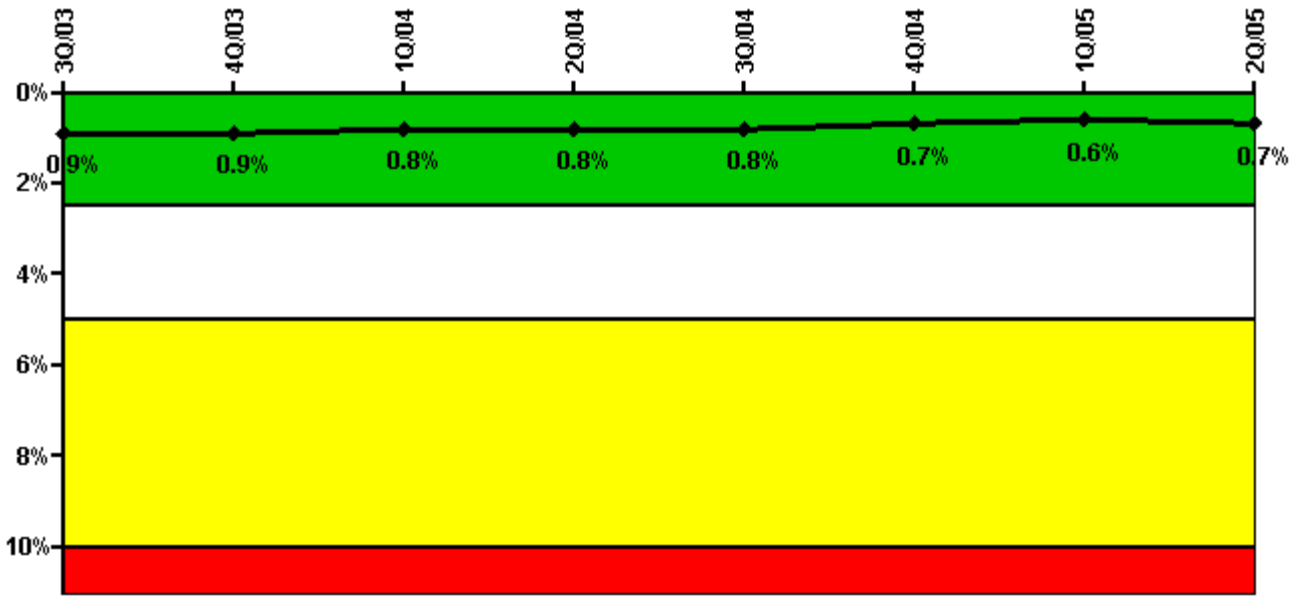
Thresholds: White > 6.0

#### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/03  | 4Q/03  | 1Q/04  | 2Q/04  | 3Q/04  | 4Q/04  | 1Q/05  | 2Q/05  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 0      | 0      | 1.0    | 0      | 0      | 0      | 0      | 0      |
| Critical hours                                | 2208.0 | 2185.3 | 2184.0 | 2183.0 | 2208.0 | 1560.9 | 2160.0 | 2183.0 |
| Indicator value                               | 0      | 0      | 0.9    | 0.8    | 0.8    | 0.9    | 0      | 0      |

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



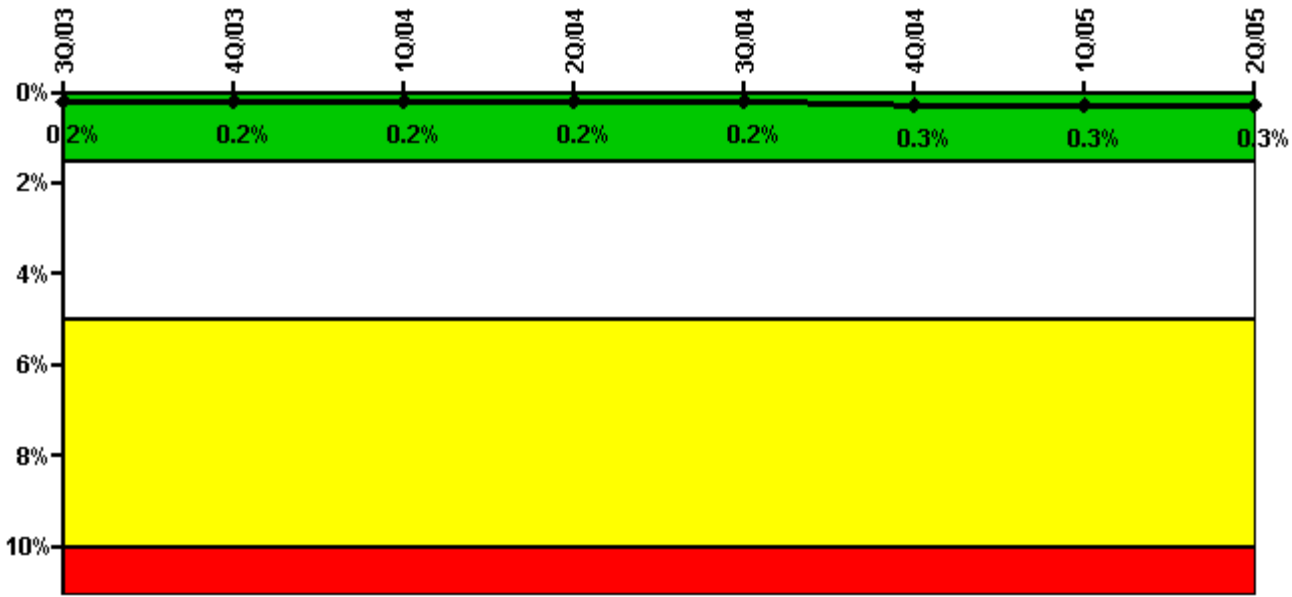
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

| Safety System Unavailability, Emergency AC Power | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>                                   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                        | 6.00        | 4.70        | 11.50       | 14.10       | 63.20       | 4.90        | 5.30        | 11.70       |
| Unplanned unavailable hours                      | 0           | 0           | 0           | 2.10        | 4.50        | 0           | 0.30        | 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                                   | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     | 2209.00     | 2160.00     | 2183.00     |
| <b>Train 2</b>                                   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                        | 6.00        | 5.10        | 8.00        | 9.70        | 12.90       | 6.60        | 10.40       | 8.80        |
| Unplanned unavailable hours                      | 0           | 7.20        | 0           | 0           | 0           | 0           | 0           | 2.80        |
| Fault exposure hours                             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Effective Reset hours                            | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Required hours                                   | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     | 2209.00     | 2160.00     | 2183.00     |
| <b>Indicator value</b>                           | <b>0.9%</b> | <b>0.9%</b> | <b>0.8%</b> | <b>0.8%</b> | <b>0.8%</b> | <b>0.7%</b> | <b>0.6%</b> | <b>0.7%</b> |

Licensee Comments: none

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



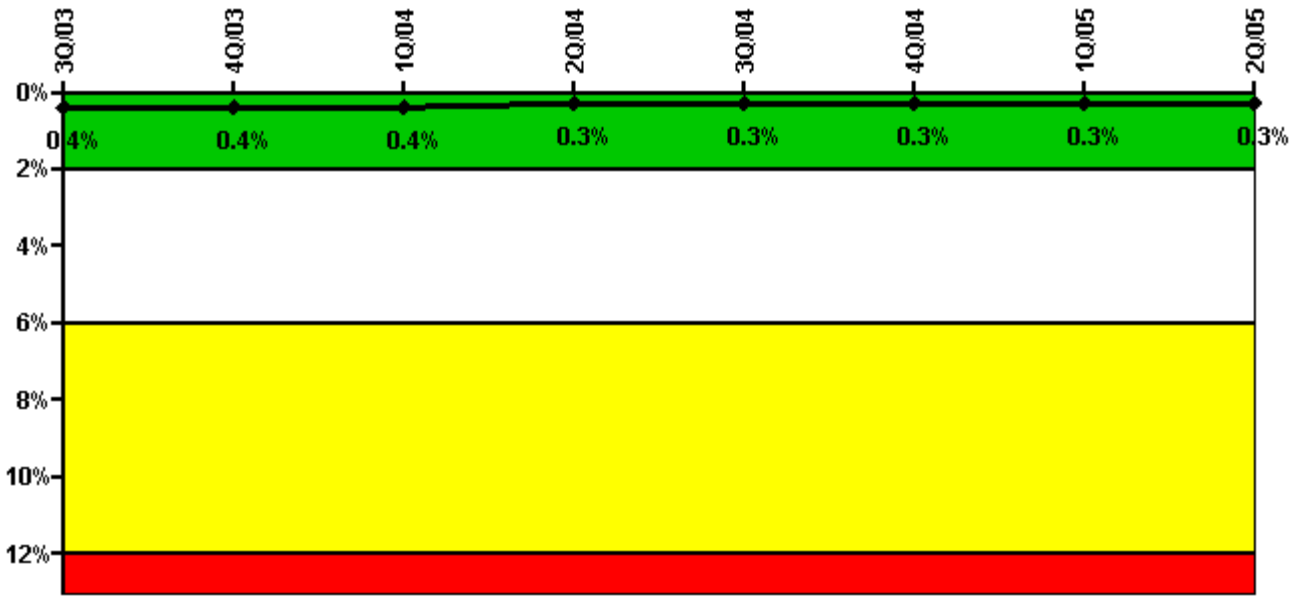
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

| Safety System Unavailability, High Pressure Injection System (HPSI) | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 1.45        | 1.04        | 5.57        | 8.37        | 6.50        | 2.01        | 5.10        | 4.03        |
| Unplanned unavailable hours   | 0           | 0           | 0           | 0           | 0           | 0           | 0.32        | 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  | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     | 1611.42     | 2160.00     | 2183.00     |
| <b>Train 2</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours   | 3.00        | 1.25        | 7.84        | 9.51        | 15.65       | 5.36        | 9.95        | 2.57        |
| Unplanned unavailable hours   | 0           | 0.62        | 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  | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     | 1611.42     | 2160.00     | 2183.00     |
| <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>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> |

Licensee Comments: none

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



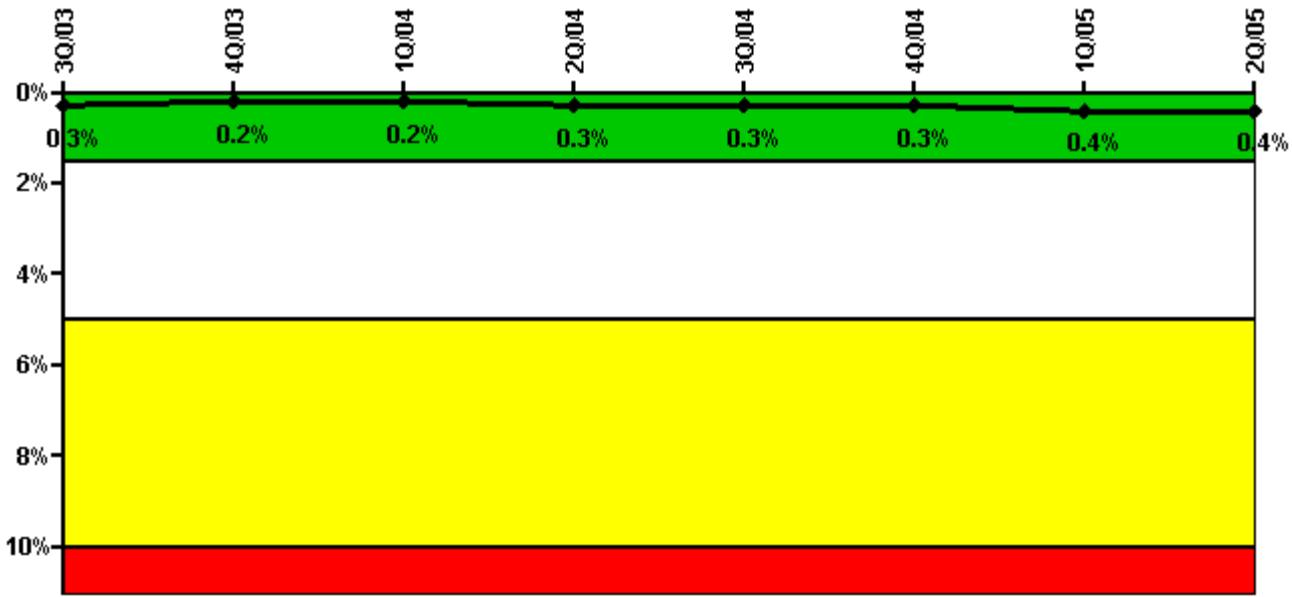
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

**Notes**

| Safety System Unavailability, Heat Removal System (AFW) | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 9.55        | 1.65        | 1.47        | 3.78        | 1.53        | 3.82        | 19.39       |
| 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  | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     | 1601.58     | 2160.00     | 2183.00     |
| <b>Train 2</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 0           | 5.88        | 18.37       | 3.11        | 6.44        | 8.90        | 3.72        | 8.62        |
| 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  | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     | 1601.58     | 2160.00     | 2183.00     |
| <b>Train 3</b>  |             |             |             |             |             |             |             |             |
| Planned unavailable hours                               | 2.73        | 8.85        | 0.25        | 0.30        | 0           | 11.72       | 5.40        | 0.25        |
| 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  | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     | 1601.58     | 2160.00     | 2183.00     |
| <b>Indicator value</b>                                  | <b>0.4%</b> | <b>0.4%</b> | <b>0.4%</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



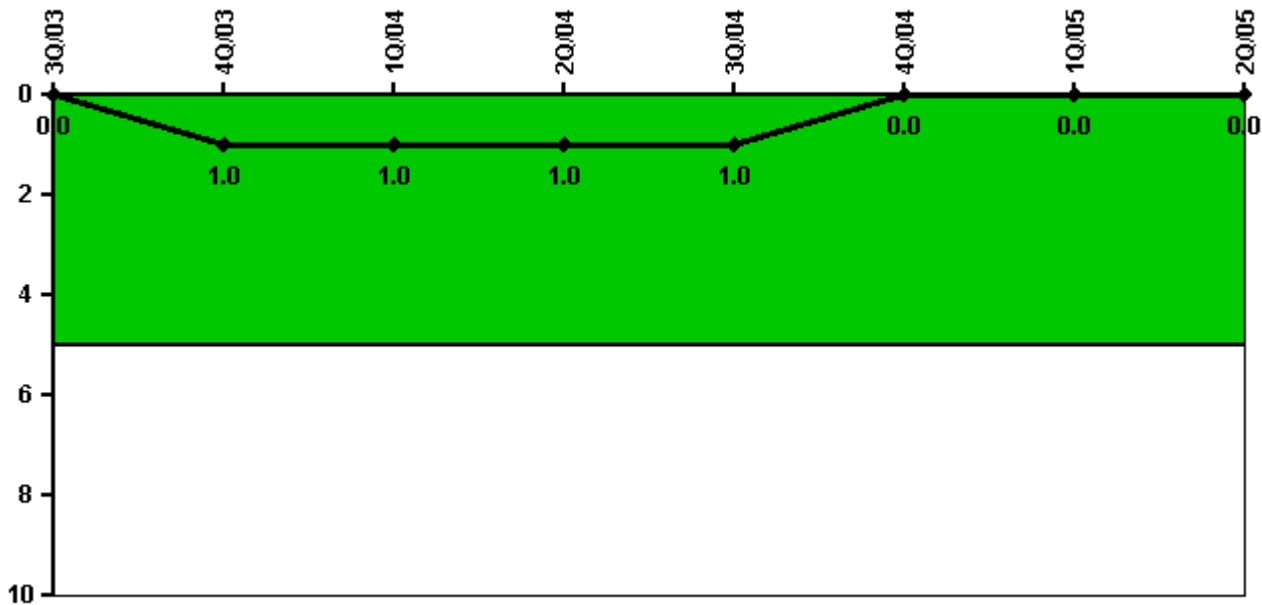
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

| Safety System Unavailability, Residual Heat Removal System | 3Q/03       | 4Q/03       | 1Q/04       | 2Q/04       | 3Q/04       | 4Q/04       | 1Q/05       | 2Q/05       |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Train 1</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 13.47       | 0.68        | 5.22        | 14.65       | 4.96        | 2.01        | 10.84       | 9.55        |
| Unplanned unavailable hours                                | 0           | 0           | 0           | 41.23       | 0           | 0           | 0.32        | 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   | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     | 1611.42     | 2160.00     | 2183.00     |
| <b>Train 2</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 14.08       | 0.52        | 7.84        | 24.36       | 35.01       | 19.78       | 22.87       | 1.85        |
| Unplanned unavailable hours                                | 0           | 0.62        | 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   | 2208.00     | 2209.00     | 2184.00     | 2183.00     | 2208.00     | 1611.42     | 2160.00     | 2183.00     |
| <b>Train 3</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 0           | 0           | 0           | 0           | 0           | 0.57        | 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   | 0           | 0           | 0           | 0           | 0           | 534.19      | 0           | 0           |
| <b>Train 4</b>   |             |             |             |             |             |             |             |             |
| Planned unavailable hours                                  | 0           | 0           | 0           | 0           | 0           | 0.48        | 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   | 0           | 0           | 0           | 0           | 0           | 534.19      | 0           | 0           |
| <b>Indicator value</b>                                     | <b>0.3%</b> | <b>0.2%</b> | <b>0.2%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.3%</b> | <b>0.4%</b> | <b>0.4%</b> |

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

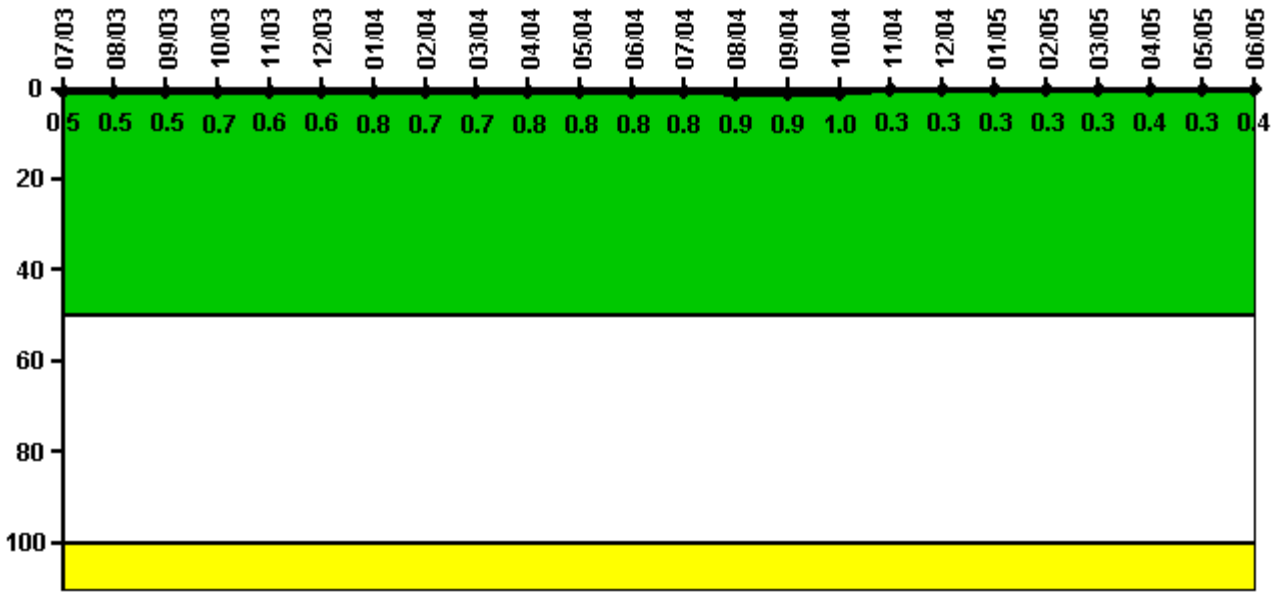
#### Notes

| Safety System Functional Failures (PWR) | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures       | 0     | 1     | 0     | 0     | 0     | 0     | 0     | 0     |
| Indicator value                         | 0     | 1     | 1     | 1     | 1     | 0     | 0     | 0     |

Licensee Comments: none



### Reactor Coolant System Activity



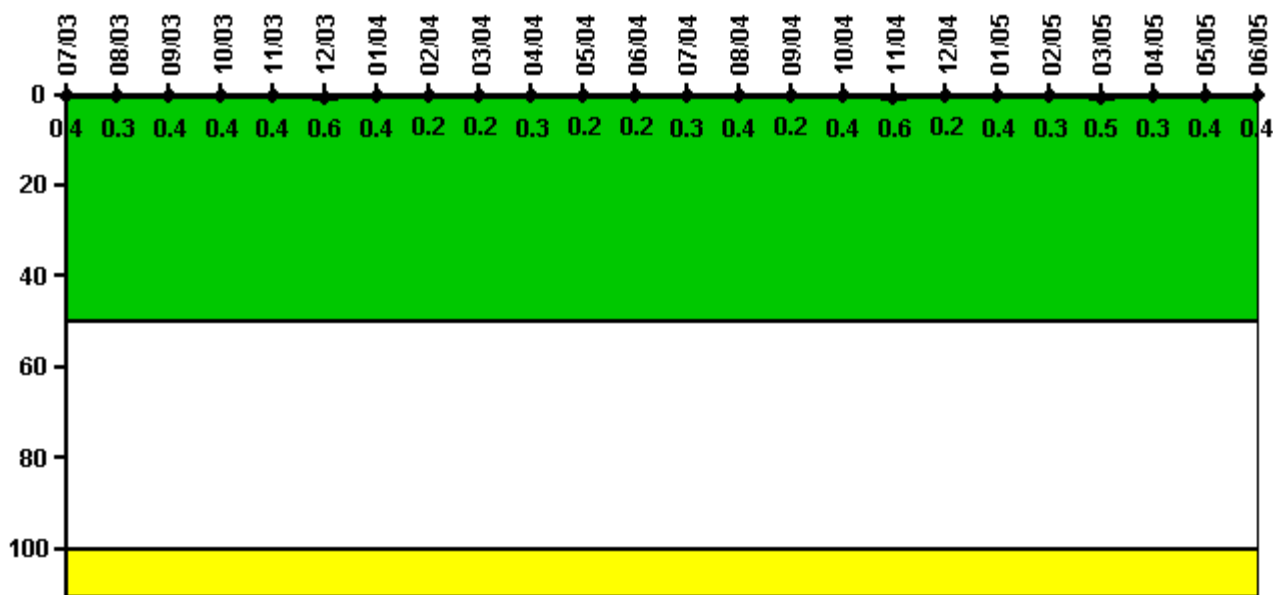
Thresholds: White > 50.0 Yellow > 100.0

**Notes**

| Reactor Coolant System Activity | 7/03     | 8/03     | 9/03     | 10/03    | 11/03    | 12/03    | 1/04     | 2/04     | 3/04     | 4/04     | 5/04     | 6/04     |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000488 | 0.000497 | 0.000526 | 0.000688 | 0.000592 | 0.000575 | 0.000807 | 0.000741 | 0.000719 | 0.000838 | 0.000801 | 0.000770 |
| Technical specification limit   | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      |
| Indicator value                 | 0.5      | 0.5      | 0.5      | 0.7      | 0.6      | 0.6      | 0.8      | 0.7      | 0.7      | 0.8      | 0.8      | 0.8      |
| Reactor Coolant System Activity | 7/04     | 8/04     | 9/04     | 10/04    | 11/04    | 12/04    | 1/05     | 2/05     | 3/05     | 4/05     | 5/05     | 6/05     |
| Maximum activity                | 0.000777 | 0.000889 | 0.000869 | 0.000958 | 0.000293 | 0.000296 | 0.000303 | 0.000323 | 0.000334 | 0.000370 | 0.000322 | 0.000359 |
| Technical specification limit   | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      |
| Indicator value                 | 0.8      | 0.9      | 0.9      | 1.0      | 0.3      | 0.3      | 0.3      | 0.3      | 0.3      | 0.4      | 0.3      | 0.4      |

Licensee Comments: none

### Reactor Coolant System Leakage



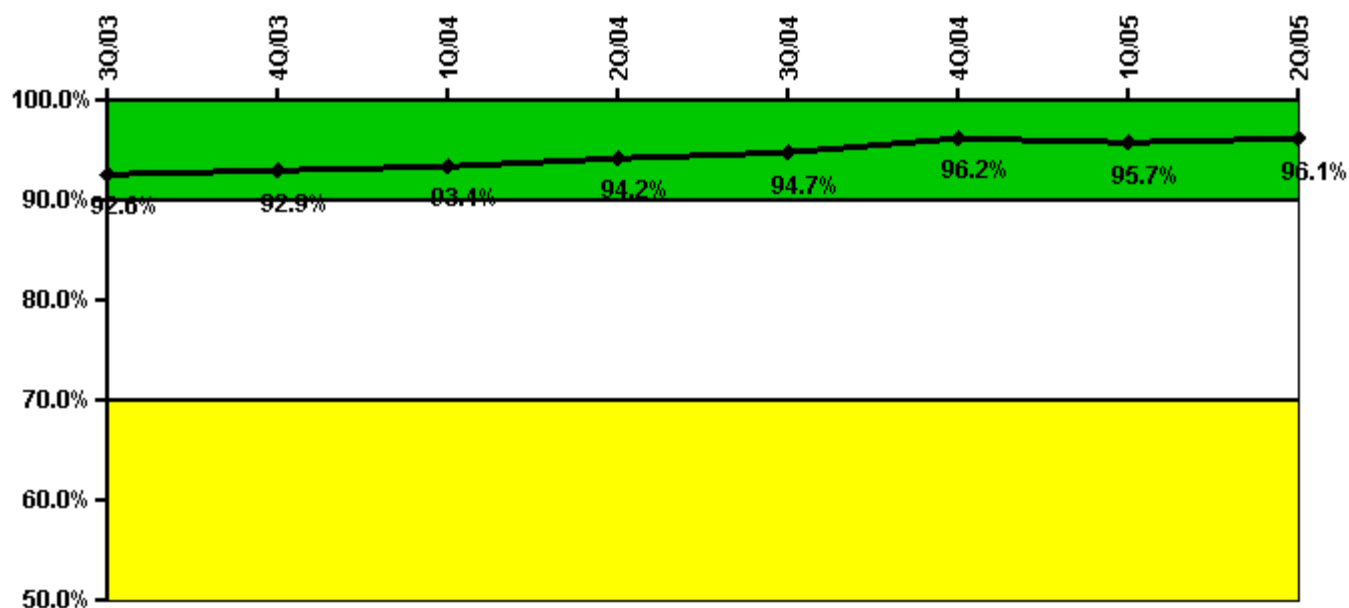
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

| Reactor Coolant System Leakage | 7/03  | 8/03  | 9/03  | 10/03 | 11/03 | 12/03 | 1/04  | 2/04  | 3/04  | 4/04  | 5/04  | 6/04  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.040 | 0.030 | 0.040 | 0.040 | 0.040 | 0.060 | 0.040 | 0.020 | 0.020 | 0.030 | 0.020 | 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                | 0.4   | 0.3   | 0.4   | 0.4   | 0.4   | 0.6   | 0.4   | 0.2   | 0.2   | 0.3   | 0.2   | 0.2   |
| Reactor Coolant System Leakage | 7/04  | 8/04  | 9/04  | 10/04 | 11/04 | 12/04 | 1/05  | 2/05  | 3/05  | 4/05  | 5/05  | 6/05  |
| Maximum leakage                | 0.030 | 0.040 | 0.020 | 0.040 | 0.060 | 0.020 | 0.040 | 0.030 | 0.050 | 0.030 | 0.040 | 0.040 |
| 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   | 0.2   | 0.4   | 0.6   | 0.2   | 0.4   | 0.3   | 0.5   | 0.3   | 0.4   | 0.4   |

Licensee Comments: none

### Drill/Exercise Performance



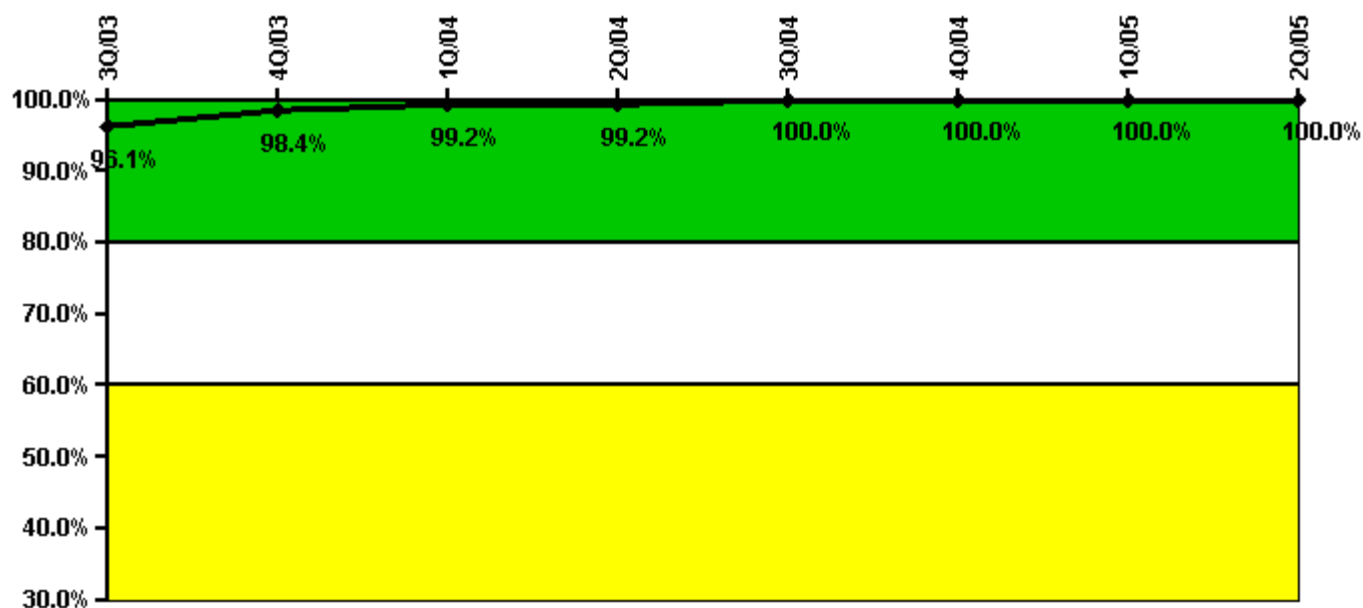
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 14.0  | 47.0  | 20.0  | 39.0  | 32.0  | 7.0   | 4.0   | 11.0  |
| Total opportunities        | 16.0  | 47.0  | 20.0  | 43.0  | 32.0  | 7.0   | 5.0   | 11.0  |
| Indicator value            | 92.6% | 92.9% | 93.4% | 94.2% | 94.7% | 96.2% | 95.7% | 96.1% |

Licensee Comments: none

### ERO Drill Participation



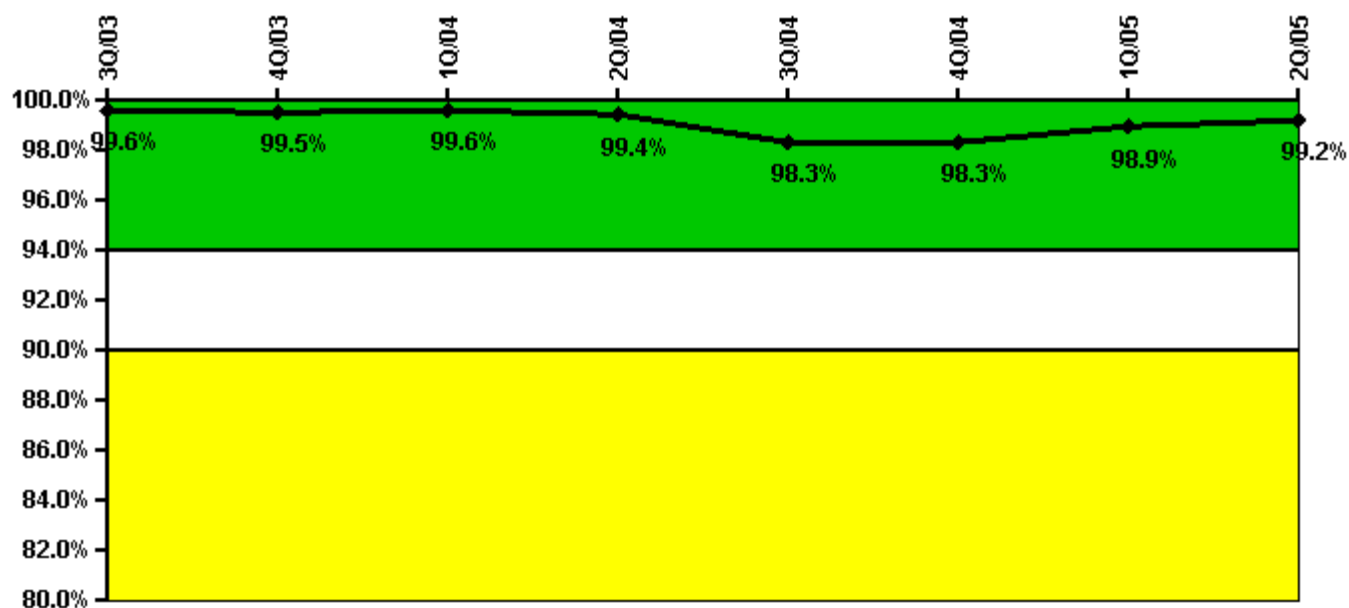
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04  | 4Q/04  | 1Q/05  | 2Q/05  |
|-----------------------------|-------|-------|-------|-------|--------|--------|--------|--------|
| Participating Key personnel | 122.0 | 123.0 | 123.0 | 121.0 | 125.0  | 125.0  | 122.0  | 126.0  |
| Total Key personnel         | 127.0 | 125.0 | 124.0 | 122.0 | 125.0  | 125.0  | 122.0  | 126.0  |
| Indicator value             | 96.1% | 98.4% | 99.2% | 99.2% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

### Alert & Notification System



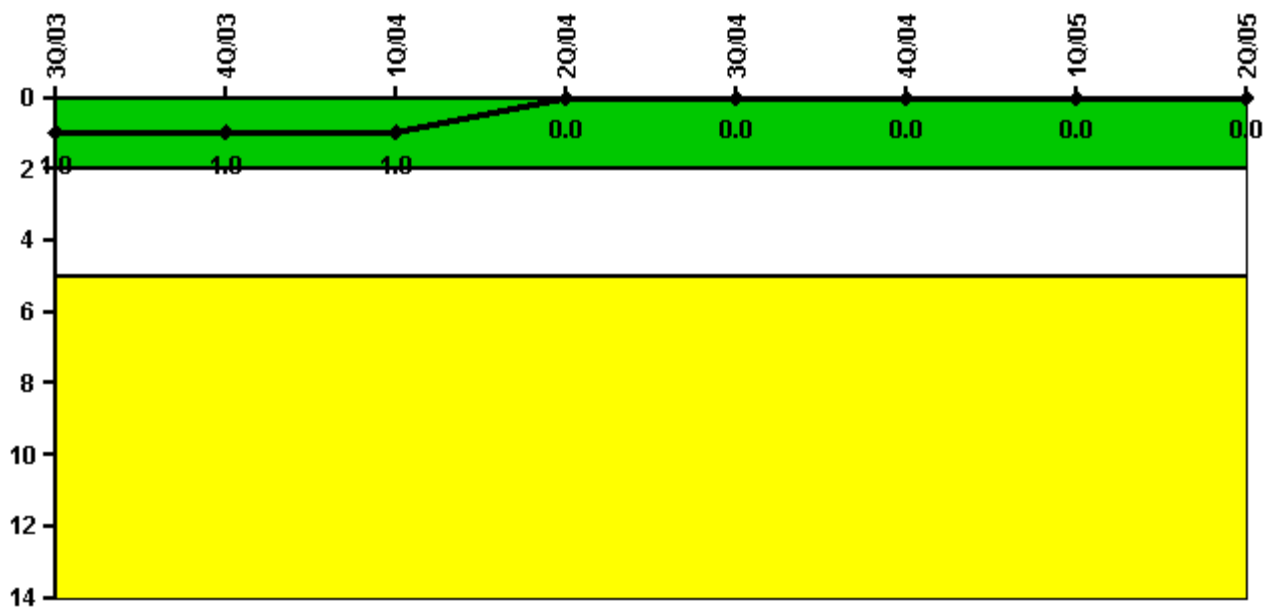
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 238   | 117   | 0     | 0     | 117   | 115   | 119   | 119   |
| Total sirens-tests          | 238   | 119   | 0     | 0     | 119   | 117   | 119   | 119   |
| Indicator value             | 99.6% | 99.5% | 99.6% | 99.4% | 98.3% | 98.3% | 98.9% | 99.2% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



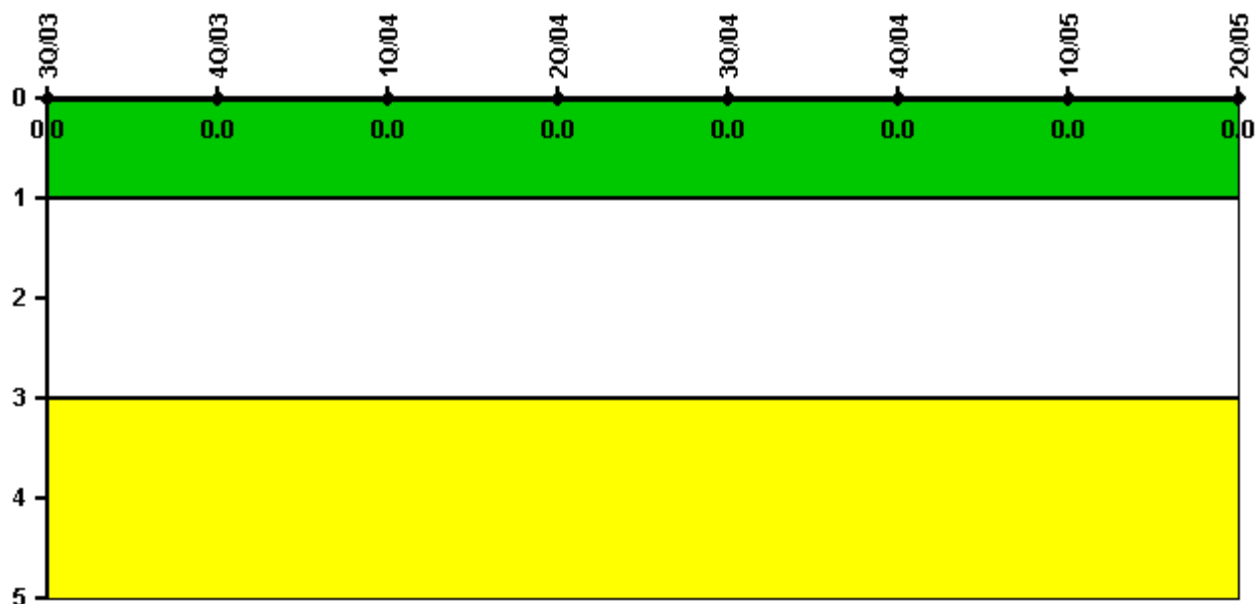
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| Occupational Exposure Control Effectiveness | 3Q/03    | 4Q/03    | 1Q/04    | 2Q/04    | 3Q/04    | 4Q/04    | 1Q/05    | 2Q/05    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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>1</b> | <b>1</b> | <b>1</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 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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.