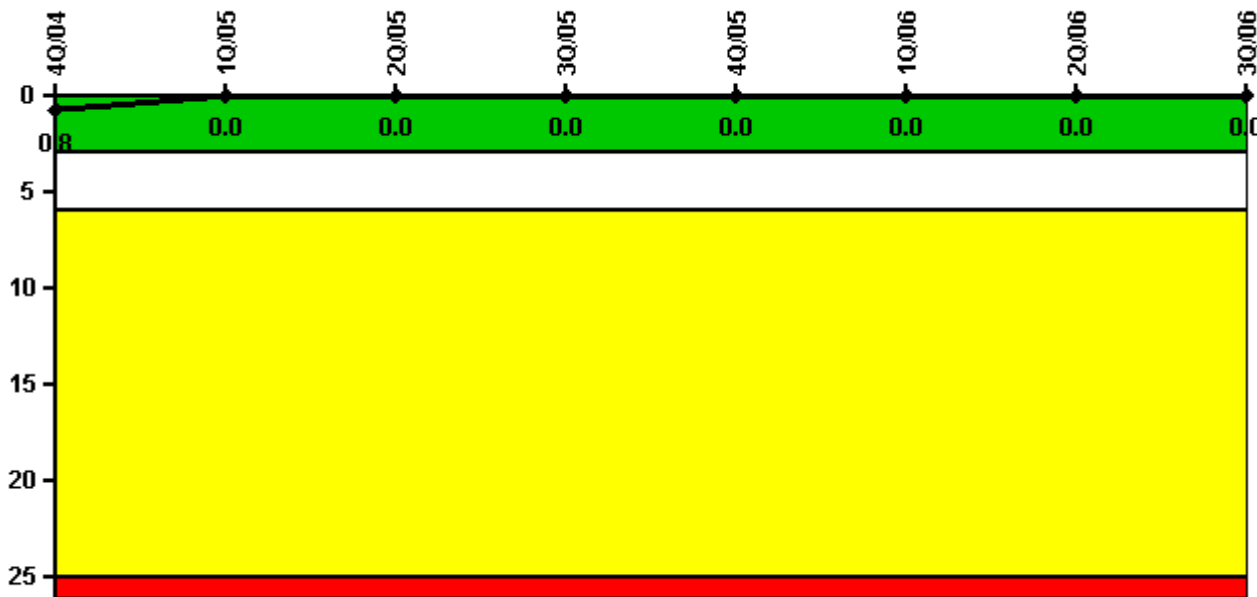


# Calvert Cliffs 2

## 3Q/2006 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



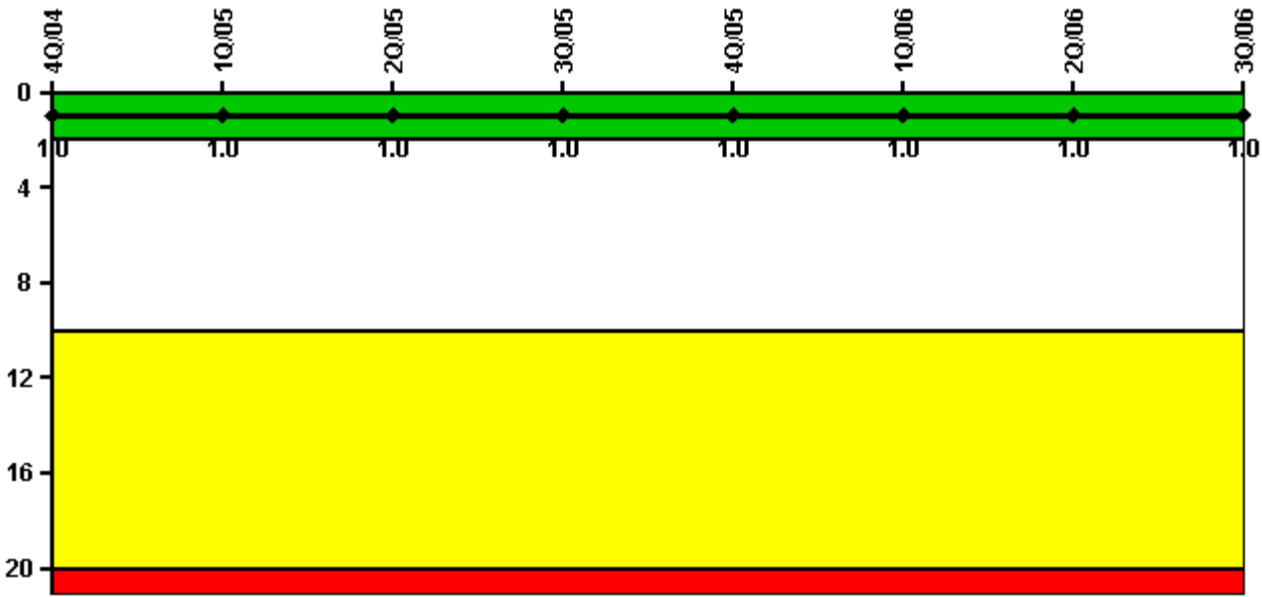
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/04  | 1Q/05  | 2Q/05  | 3Q/05  | 4Q/05  | 1Q/06  | 2Q/06  | 3Q/06  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Critical hours                         | 2209.0 | 1685.9 | 2183.0 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 2208.0 |
| Indicator value                        | 0.8    | 0      | 0      | 0      | 0      | 0      | 0      | 0      |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



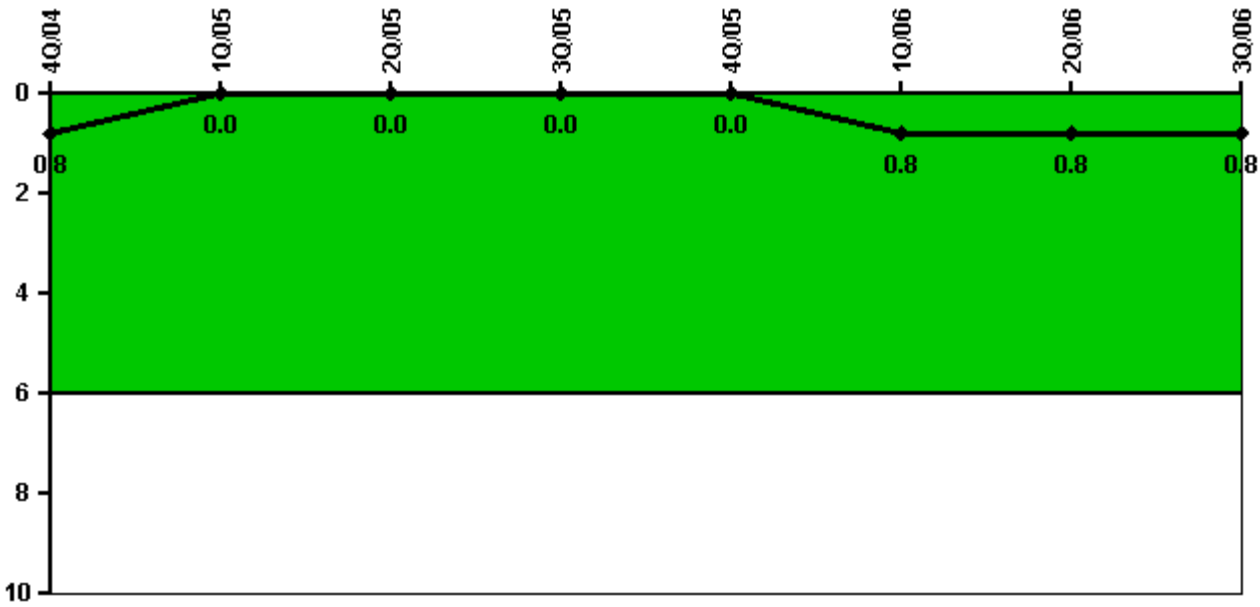
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

| Scrams with Loss of Normal Heat Removal | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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



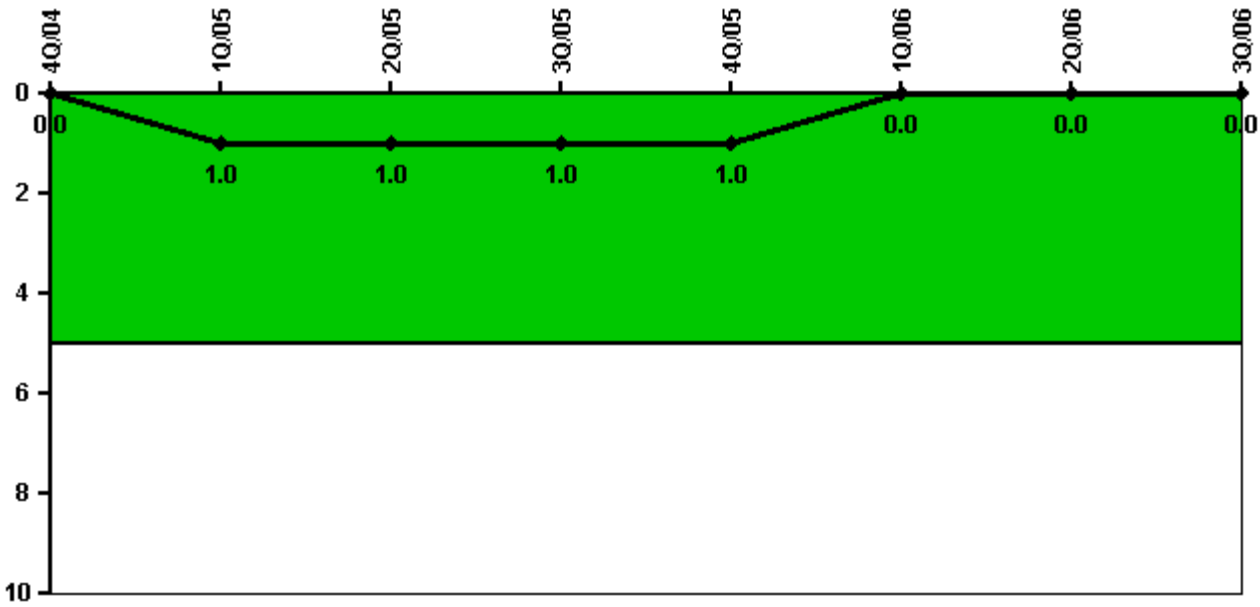
Thresholds: White > 6.0

#### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/04  | 1Q/05  | 2Q/05  | 3Q/05  | 4Q/05  | 1Q/06  | 2Q/06  | 3Q/06  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 0      | 0      | 0      | 0      | 0      | 1.0    | 0      | 0      |
| Critical hours                                | 2209.0 | 1685.9 | 2183.0 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 2208.0 |
| Indicator value                               | 0.8    | 0      | 0      | 0      | 0      | 0.8    | 0.8    | 0.8    |

Licensee Comments: none

### Safety System Functional Failures (PWR)



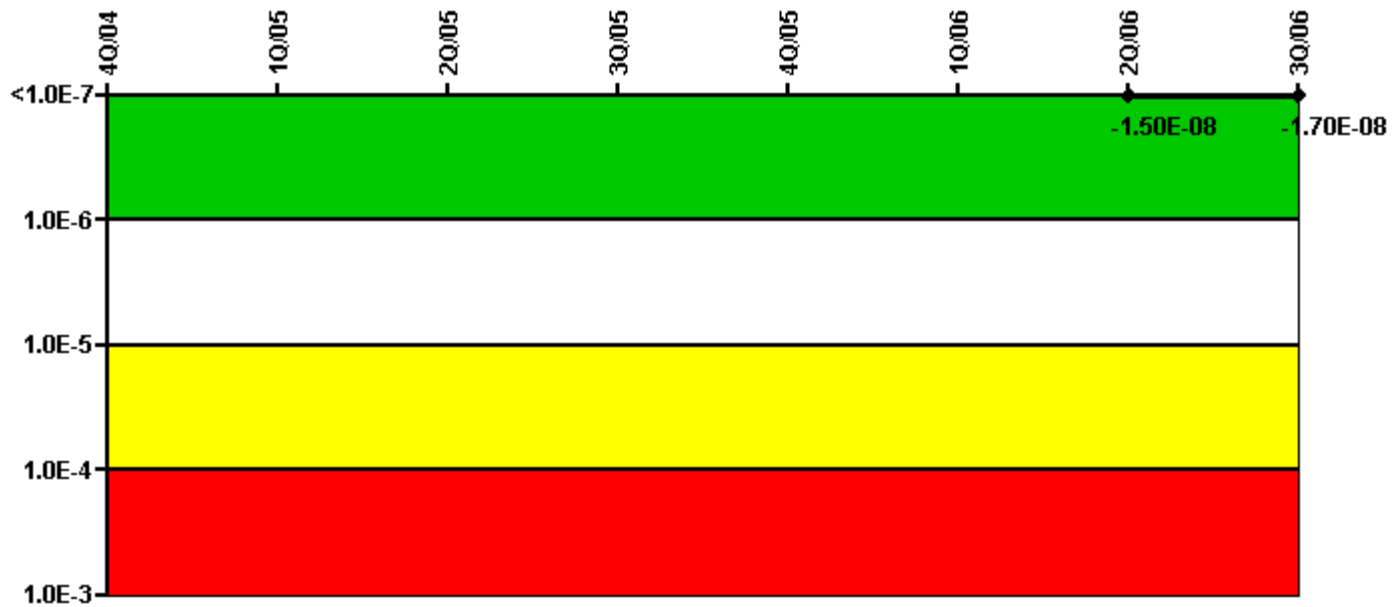
Thresholds: White > 5.0

#### Notes

| Safety System Functional Failures (PWR) | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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

### Mitigating Systems Performance Index, Emergency AC Power System



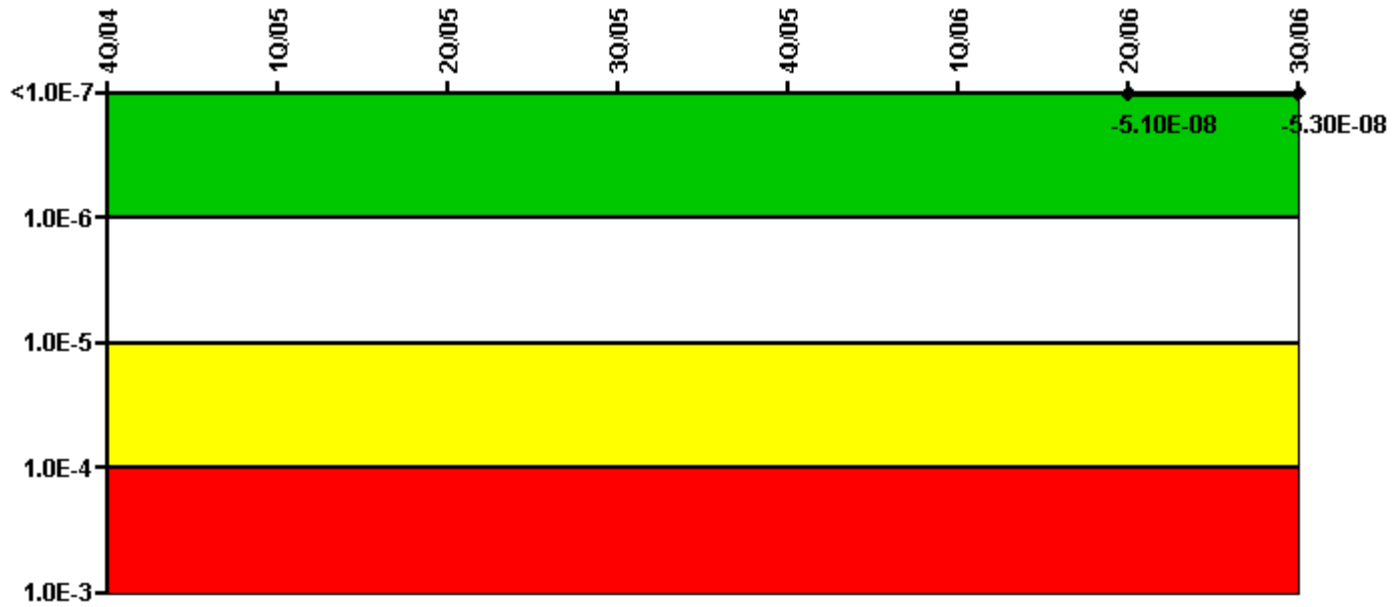
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     |
|---|-------|-------|-------|-------|-------|-------|-----------|-----------|
| UAI ( $\Delta$ CDF)   |       |       |       |       |       |       | 3.10E-08  | 2.90E-08  |
| URI ( $\Delta$ CDF)   |       |       |       |       |       |       | -4.60E-08 | -4.60E-08 |
| PLE   |       |       |       |       |       |       | NO        | NO        |
| Indicator value   |       |       |       |       |       |       | -1.50E-08 | -1.70E-08 |

Licensee Comments: none

### Mitigating Systems Performance Index, High Pressure Injection System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     |
|--|-------|-------|-------|-------|-------|-------|-----------|-----------|
| UAI ( $\Delta$ CDF)  |       |       |       |       |       |       | 2.80E-08  | 2.60E-08  |
| URI ( $\Delta$ CDF)  |       |       |       |       |       |       | -7.90E-08 | -7.90E-08 |
| PLE  |       |       |       |       |       |       | NO        | NO        |
| Indicator value  |       |       |       |       |       |       | -5.10E-08 | -5.30E-08 |

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



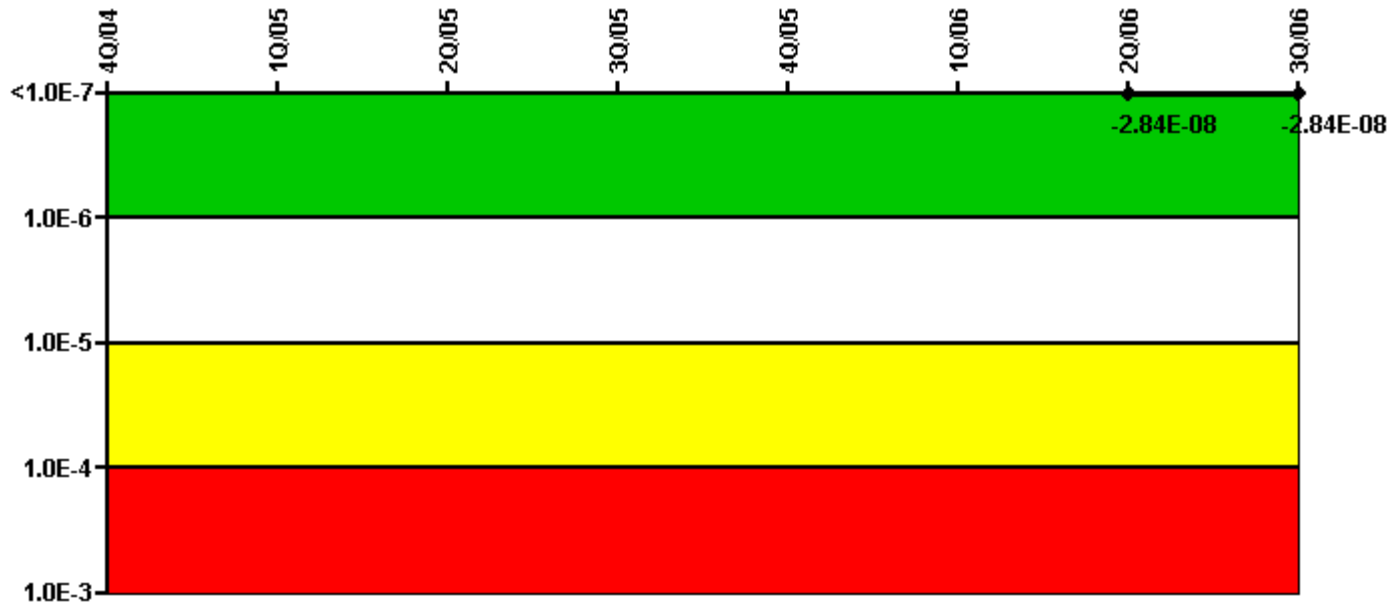
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

| Mitigating Systems Performance Index, Heat Removal System | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     |
|---|-------|-------|-------|-------|-------|-------|-----------|-----------|
| UAI ( $\Delta$ CDF)                                       |       |       |       |       |       |       | 2.50E-08  | 4.50E-08  |
| URI ( $\Delta$ CDF)                                       |       |       |       |       |       |       | -2.40E-07 | -2.30E-07 |
| PLE   |       |       |       |       |       |       | NO        | NO        |
| Indicator value   |       |       |       |       |       |       | -2.15E-07 | -1.85E-07 |

Licensee Comments: none

### Mitigating Systems Performance Index, Residual Heat Removal System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

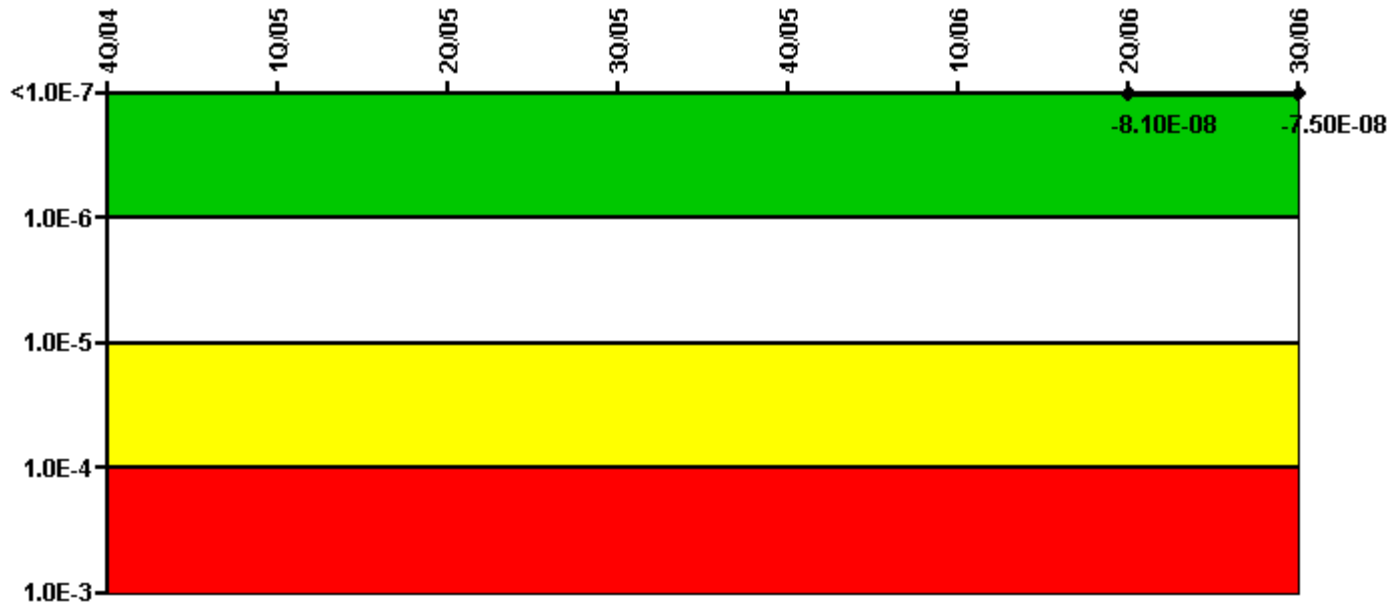
#### Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     |
|--|-------|-------|-------|-------|-------|-------|-----------|-----------|
| UAI ( $\Delta$ CDF)  |       |       |       |       |       |       | -2.40E-08 | -2.40E-08 |
| URI ( $\Delta$ CDF)  |       |       |       |       |       |       | -4.40E-09 | -4.40E-09 |
| PLE  |       |       |       |       |       |       | NO        | NO        |
| Indicator value  |       |       |       |       |       |       | -2.84E-08 | -2.84E-08 |

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



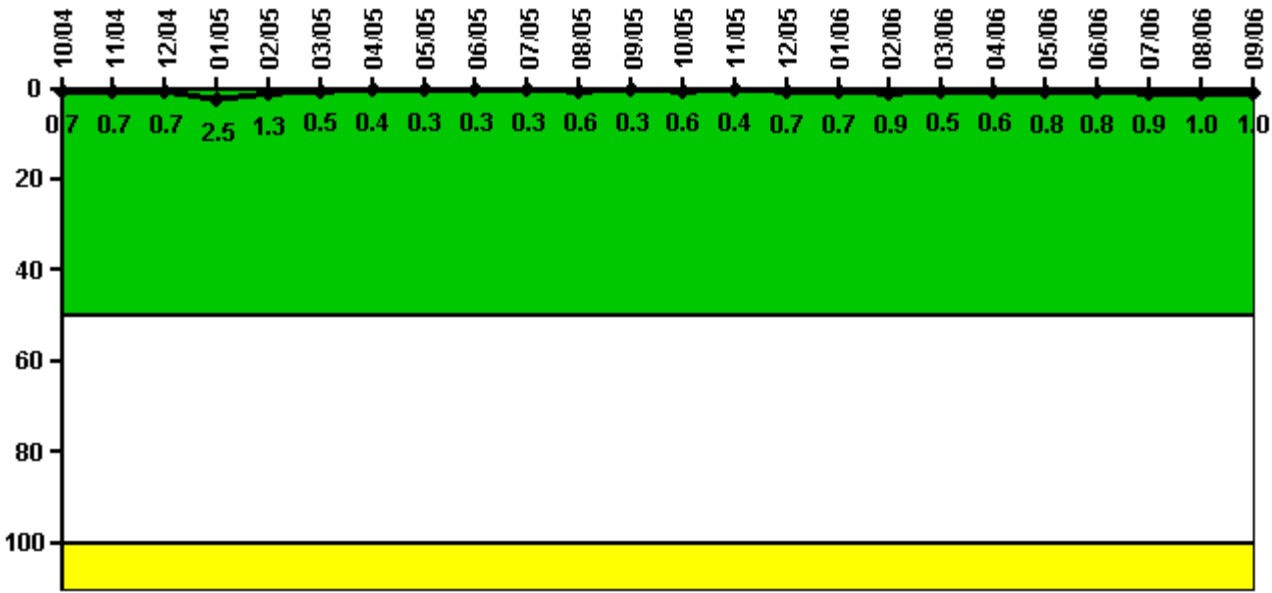
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

**Notes**

| Mitigating Systems Performance Index, Cooling Water Systems | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     |
|---|-------|-------|-------|-------|-------|-------|-----------|-----------|
| UAI (ΔCDF)  |       |       |       |       |       |       | 1.00E-08  | 1.50E-08  |
| URI (ΔCDF)  |       |       |       |       |       |       | -9.10E-08 | -9.00E-08 |
| PLE   |       |       |       |       |       |       | NO        | NO        |
| Indicator value   |       |       |       |       |       |       | -8.10E-08 | -7.50E-08 |

Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

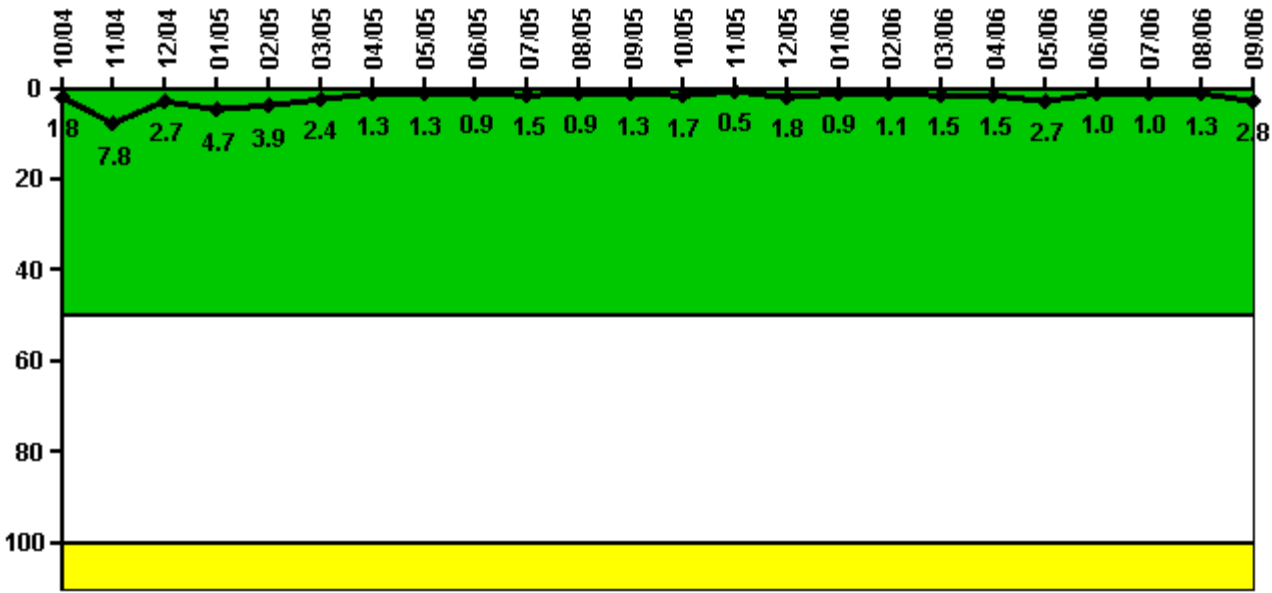
| Reactor Coolant System Activity | 10/04    | 11/04    | 12/04    | 1/05     | 2/05     | 3/05     | 4/05     | 5/05     | 6/05     | 7/05     | 8/05     | 9/05     |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.007020 | 0.007020 | 0.006850 | 0.025100 | 0.012700 | 0.005490 | 0.003780 | 0.003410 | 0.003020 | 0.003010 | 0.005790 | 0.003180 |
| Technical specification limit   | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      |
| Indicator value                 | 0.7      | 0.7      | 0.7      | 2.5      | 1.3      | 0.5      | 0.4      | 0.3      | 0.3      | 0.3      | 0.6      | 0.3      |

| Reactor Coolant System Activity | 10/05    | 11/05    | 12/05    | 1/06     | 2/06     | 3/06     | 4/06     | 5/06     | 6/06     | 7/06     | 8/06     | 9/06     |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.005620 | 0.004070 | 0.006690 | 0.006580 | 0.008720 | 0.005310 | 0.005820 | 0.007540 | 0.008390 | 0.009170 | 0.009820 | 0.009930 |
| 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                 | 0.6      | 0.4      | 0.7      | 0.7      | 0.9      | 0.5      | 0.6      | 0.8      | 0.8      | 0.9      | 1.0      | 1.0      |

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

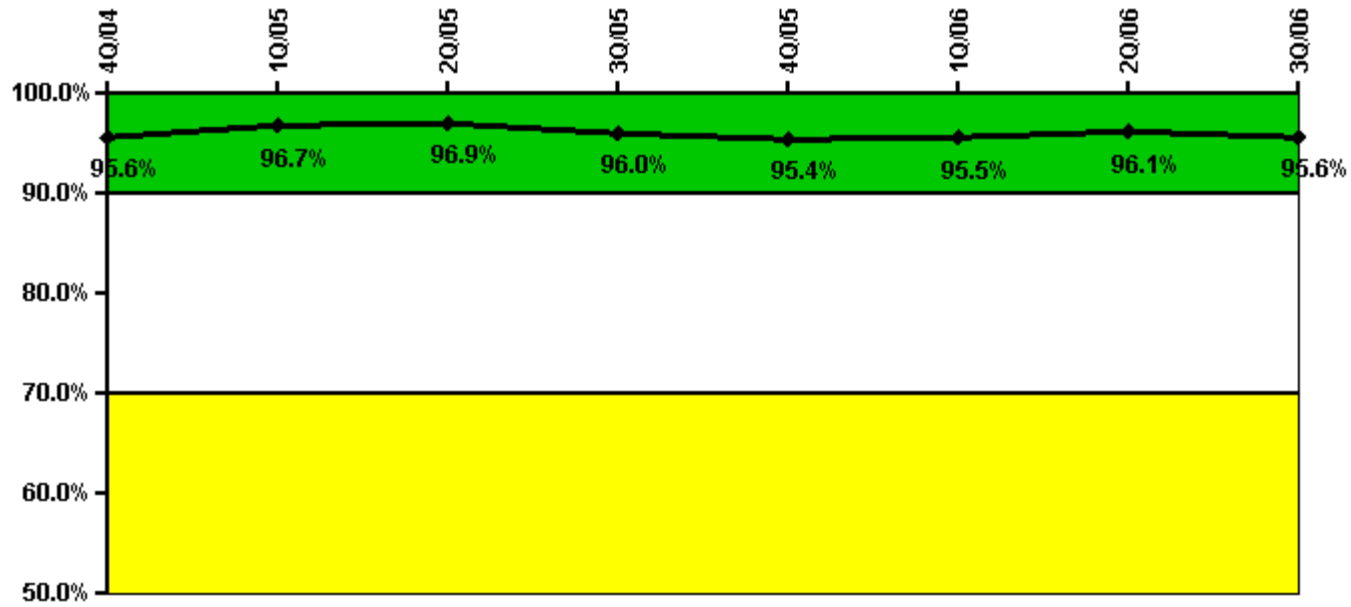
| Reactor Coolant System Leakage | 10/04 | 11/04 | 12/04 | 1/05  | 2/05  | 3/05  | 4/05  | 5/05  | 6/05  | 7/05  | 8/05  | 9/05  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.176 | 0.783 | 0.269 | 0.470 | 0.392 | 0.236 | 0.130 | 0.130 | 0.090 | 0.147 | 0.093 | 0.134 |
| 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                | 1.8   | 7.8   | 2.7   | 4.7   | 3.9   | 2.4   | 1.3   | 1.3   | 0.9   | 1.5   | 0.9   | 1.3   |

| Reactor Coolant System Leakage | 10/05 | 11/05 | 12/05 | 1/06  | 2/06  | 3/06  | 4/06  | 5/06  | 6/06  | 7/06  | 8/06  | 9/06  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.170 | 0.050 | 0.180 | 0.086 | 0.105 | 0.153 | 0.150 | 0.273 | 0.097 | 0.100 | 0.130 | 0.283 |
| 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   | 0.5   | 1.8   | 0.9   | 1.1   | 1.5   | 1.5   | 2.7   | 1.0   | 1.0   | 1.3   | 2.8   |

Licensee Comments: none

### Drill/Exercise Performance



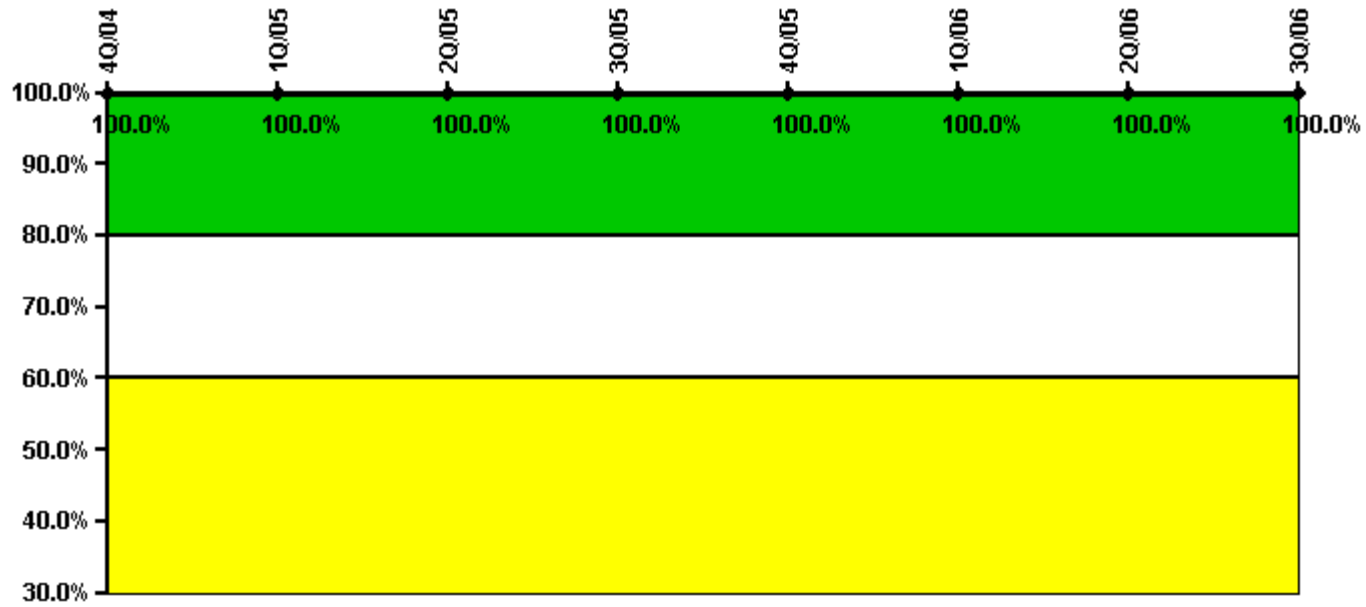
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 72.0  | 2.0   | 0     | 49.0  | 107.0 | 4.0   | 58.0  | 56.0  |
| Total opportunities        | 75.0  | 2.0   | 0     | 52.0  | 112.0 | 4.0   | 59.0  | 60.0  |
| Indicator value            | 95.6% | 96.7% | 96.9% | 96.0% | 95.4% | 95.5% | 96.1% | 95.6% |

Licensee Comments: none

### ERO Drill Participation



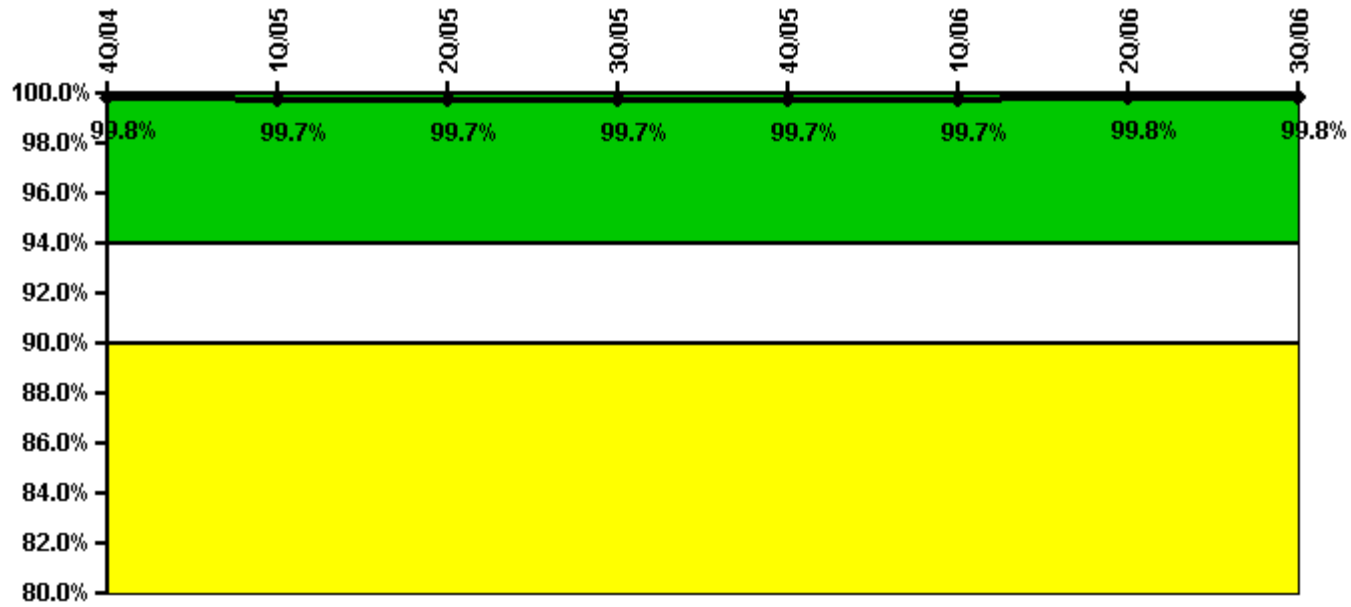
Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

| ERO Drill Participation     | 4Q/04  | 1Q/05  | 2Q/05  | 3Q/05  | 4Q/05  | 1Q/06  | 2Q/06  | 3Q/06  |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 68.0   | 65.0   | 62.0   | 62.0   | 59.0   | 56.0   | 68.0   | 66.0   |
| Total Key personnel         | 68.0   | 65.0   | 62.0   | 62.0   | 59.0   | 56.0   | 68.0   | 66.0   |
| Indicator value             | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

### Alert & Notification System



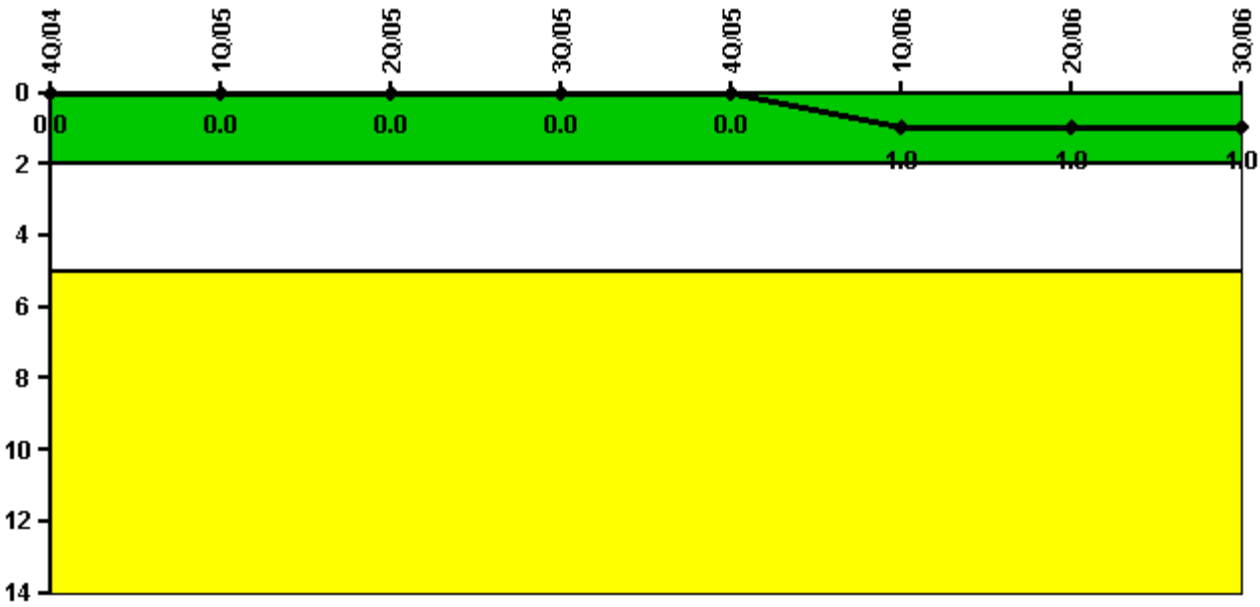
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 948   | 944   | 944   | 949   | 946   | 947   | 948   | 946   |
| Total sirens-tests          | 949   | 949   | 949   | 949   | 949   | 949   | 949   | 949   |
| Indicator value             | 99.8% | 99.7% | 99.7% | 99.7% | 99.7% | 99.7% | 99.8% | 99.8% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



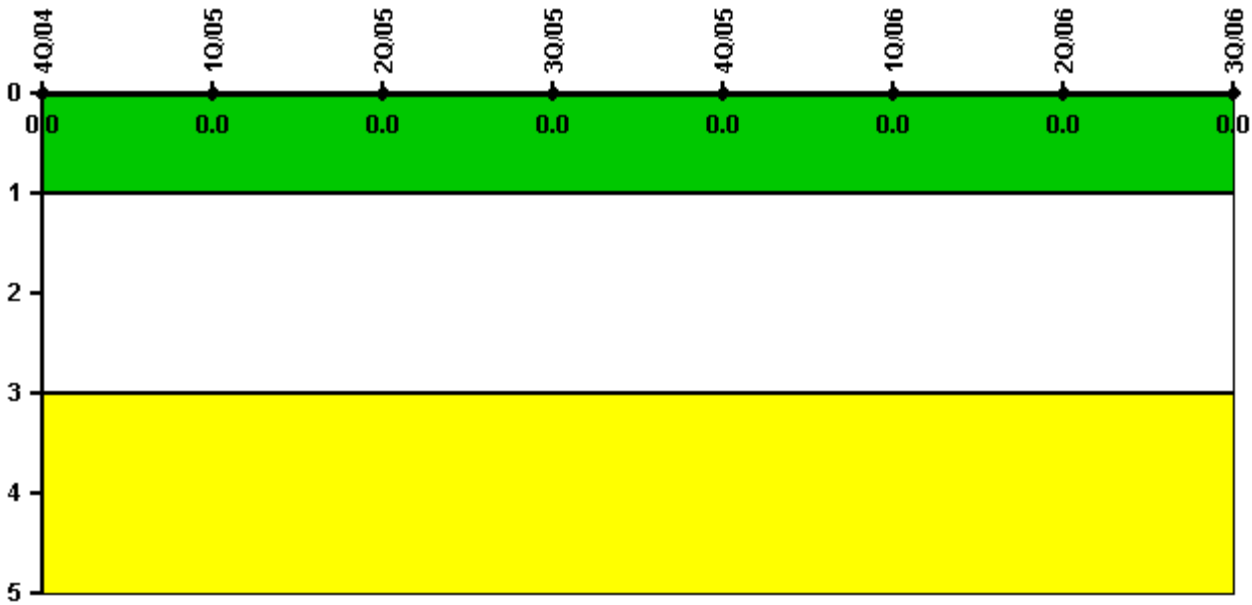
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

| Occupational Exposure Control Effectiveness | 4Q/04    | 1Q/05    | 2Q/05    | 3Q/05    | 4Q/05    | 1Q/06    | 2Q/06    | 3Q/06    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences             | 0        | 0        | 0        | 0        | 0        | 1        | 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>1</b> | <b>1</b> | <b>1</b> |

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

| RETS/ODCM Radiological Effluent | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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.