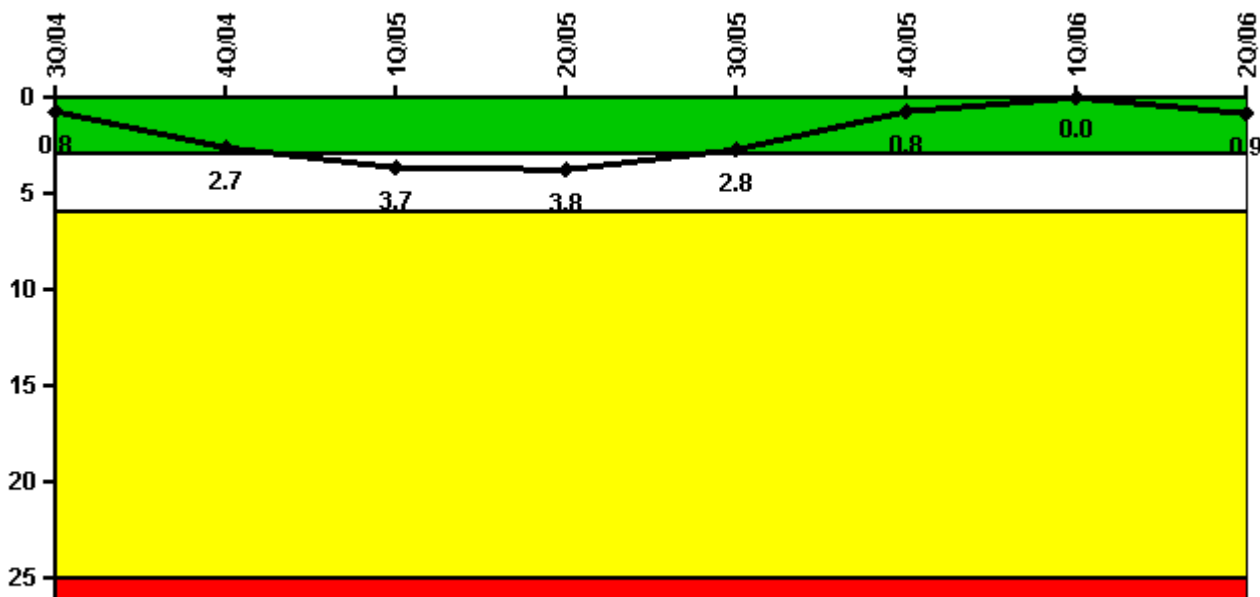


# River Bend 1

## 2Q/2006 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



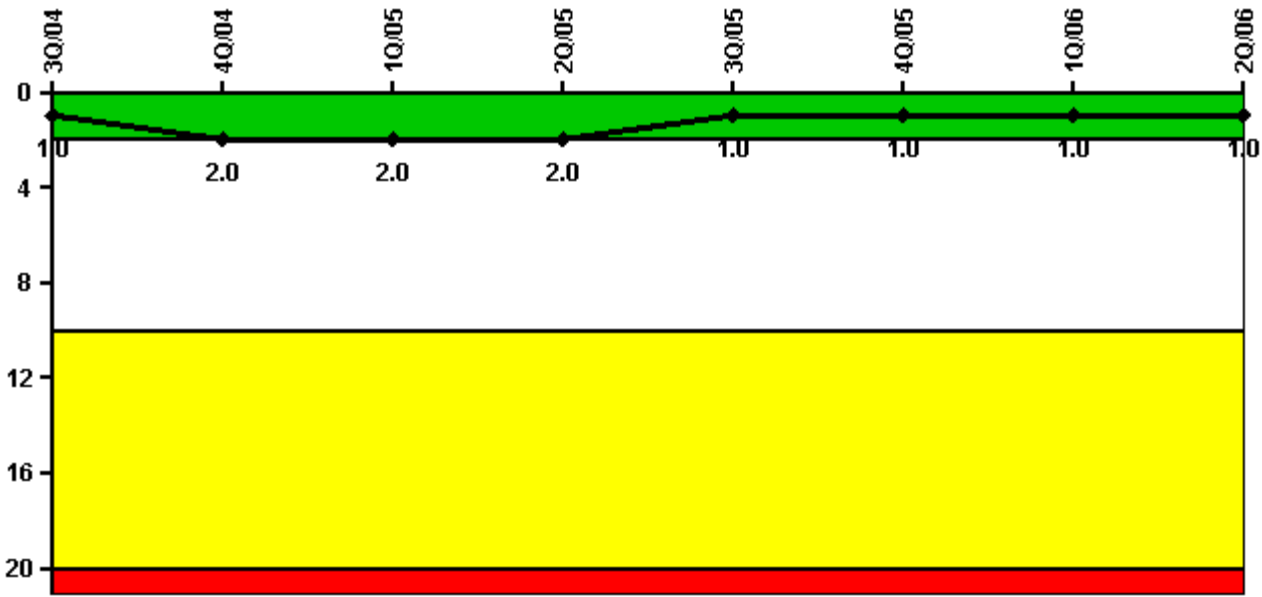
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/04  | 4Q/04  | 1Q/05  | 2Q/05  | 3Q/05  | 4Q/05  | 1Q/06  | 2Q/06  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 1.0    | 2.0    | 1.0    | 0      | 0      | 0      | 0      | 1.0    |
| Critical hours                         | 2178.8 | 1368.9 | 1862.2 | 2012.5 | 2184.5 | 2209.0 | 1975.1 | 1691.2 |
| Indicator value                        | 0.8    | 2.7    | 3.7    | 3.8    | 2.8    | 0.8    | 0      | 0.9    |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



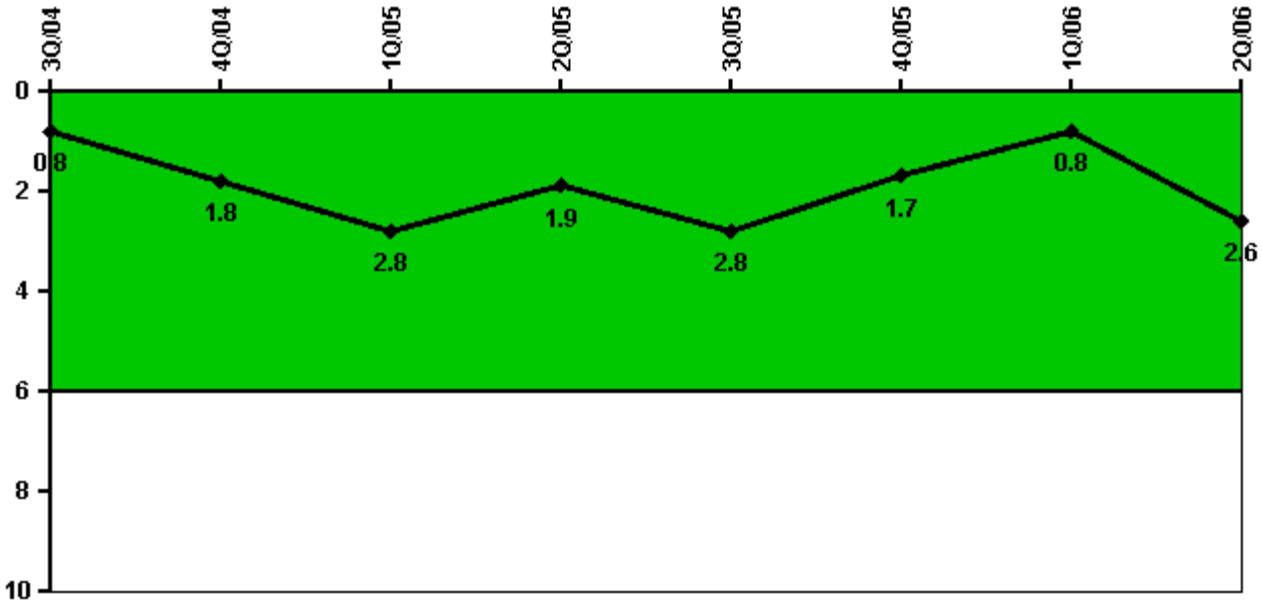
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

| Scrams with Loss of Normal Heat Removal | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams                                  | 0     | 1.0   | 0     | 0     | 0     | 0     | 0     | 0     |
| Indicator value                         | 1.0   | 2.0   | 2.0   | 2.0   | 1.0   | 1.0   | 1.0   | 1.0   |

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



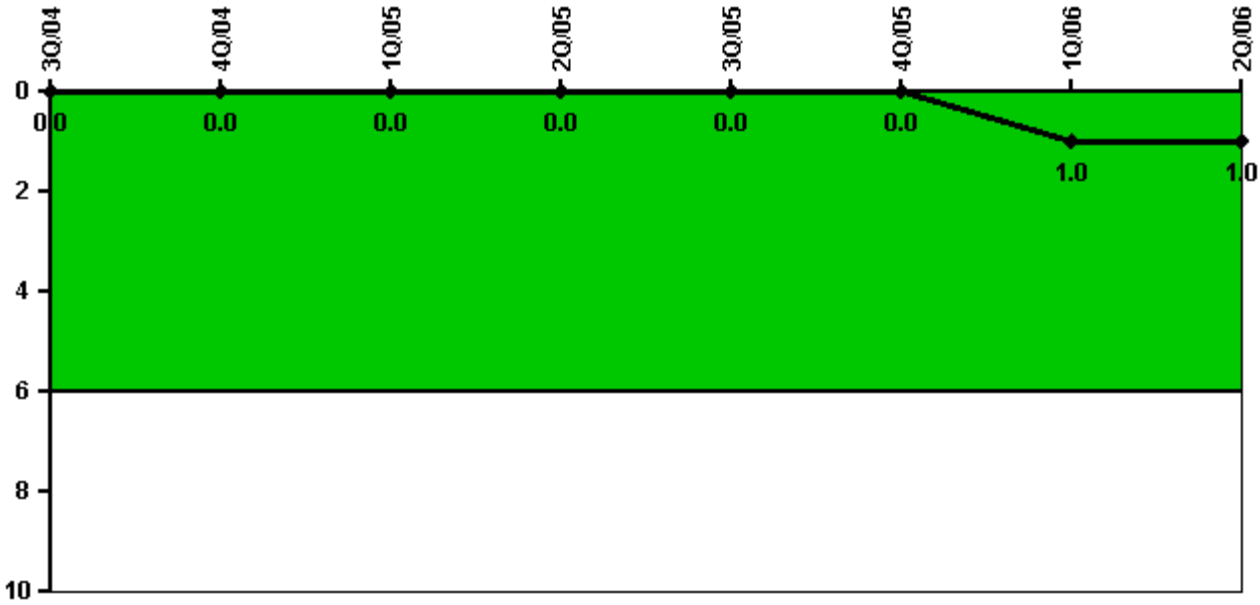
Thresholds: White > 6.0

#### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/04  | 4Q/04  | 1Q/05  | 2Q/05  | 3Q/05  | 4Q/05  | 1Q/06  | 2Q/06  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 0      | 1.0    | 1.0    | 0      | 1.0    | 0      | 0      | 2.0    |
| Critical hours                                | 2178.8 | 1368.9 | 1862.2 | 2012.5 | 2184.5 | 2209.0 | 1975.1 | 1691.2 |
| Indicator value                               | 0.8    | 1.8    | 2.8    | 1.9    | 2.8    | 1.7    | 0.8    | 2.6    |

Licensee Comments: none

### Safety System Functional Failures (BWR)



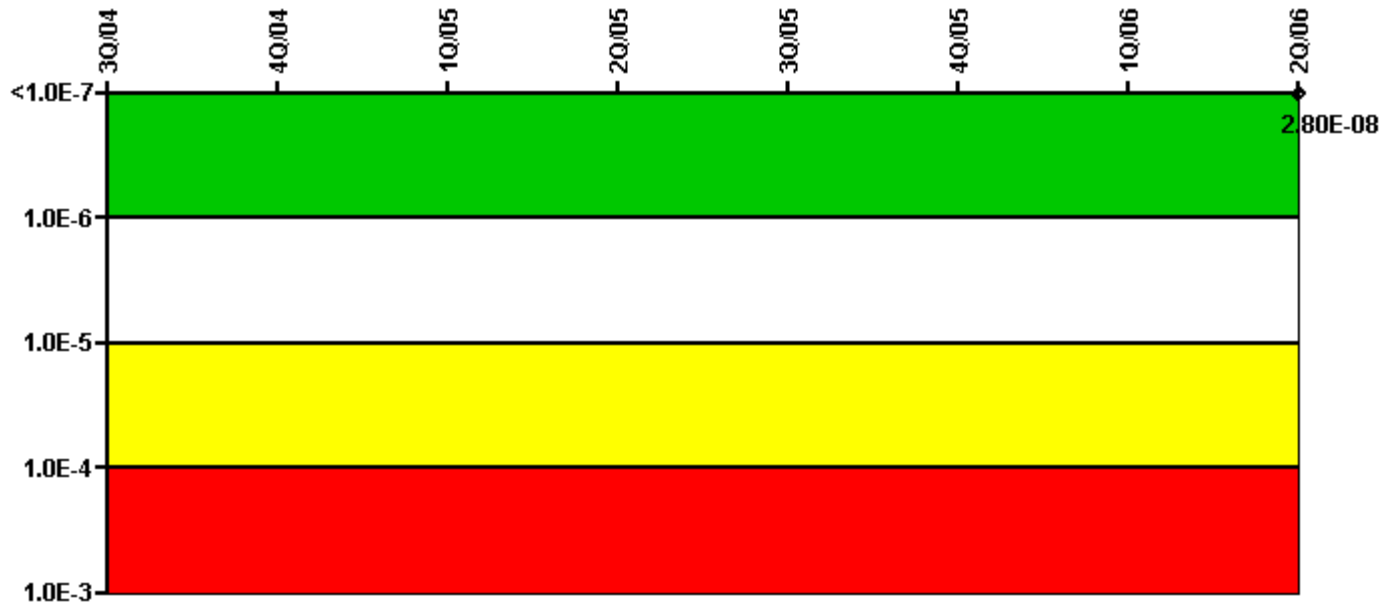
Thresholds: White > 6.0

#### Notes

| Safety System Functional Failures (BWR) | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures       | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 0     |
| Indicator value                         | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 1     |

Licensee Comments: none

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



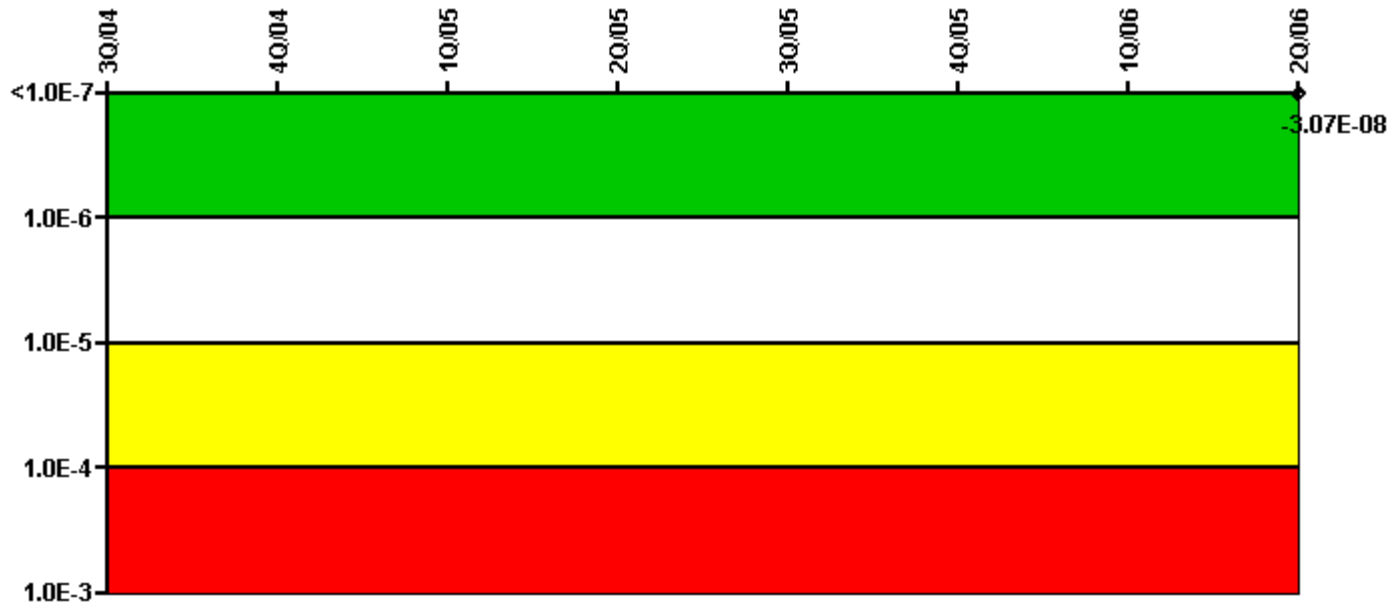
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

**Notes**

| Mitigating Systems Performance Index, Emergency AC Power System | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     |
|---|-------|-------|-------|-------|-------|-------|-------|-----------|
| UAI (ΔCDF)  |       |       |       |       |       |       |       | -6.00E-09 |
| URI (ΔCDF)  |       |       |       |       |       |       |       | 3.40E-08  |
| PLE   |       |       |       |       |       |       |       | NO        |
| Indicator value   |       |       |       |       |       |       |       | 2.80E-08  |

Licensee Comments: none

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



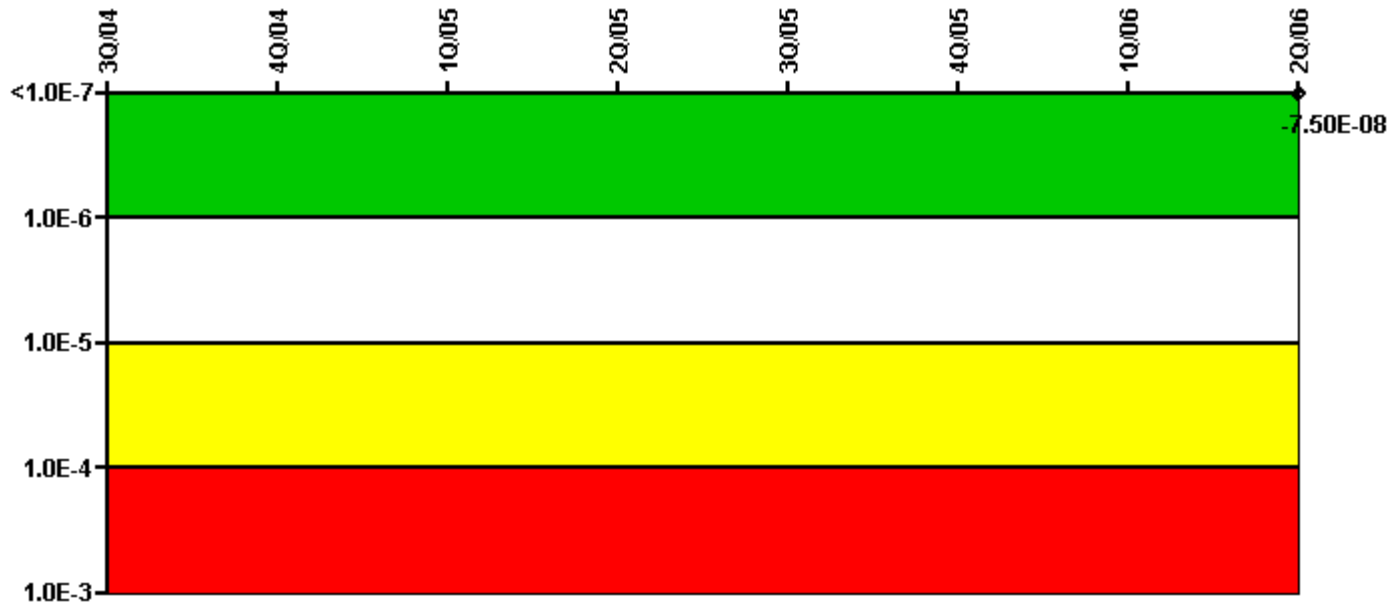
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     |
|--|-------|-------|-------|-------|-------|-------|-------|-----------|
| UAI (ΔCDF)   |       |       |       |       |       |       |       | 5.30E-09  |
| URI (ΔCDF)   |       |       |       |       |       |       |       | -3.60E-08 |
| PLE  |       |       |       |       |       |       |       | NO        |
| Indicator value  |       |       |       |       |       |       |       | -3.07E-08 |

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



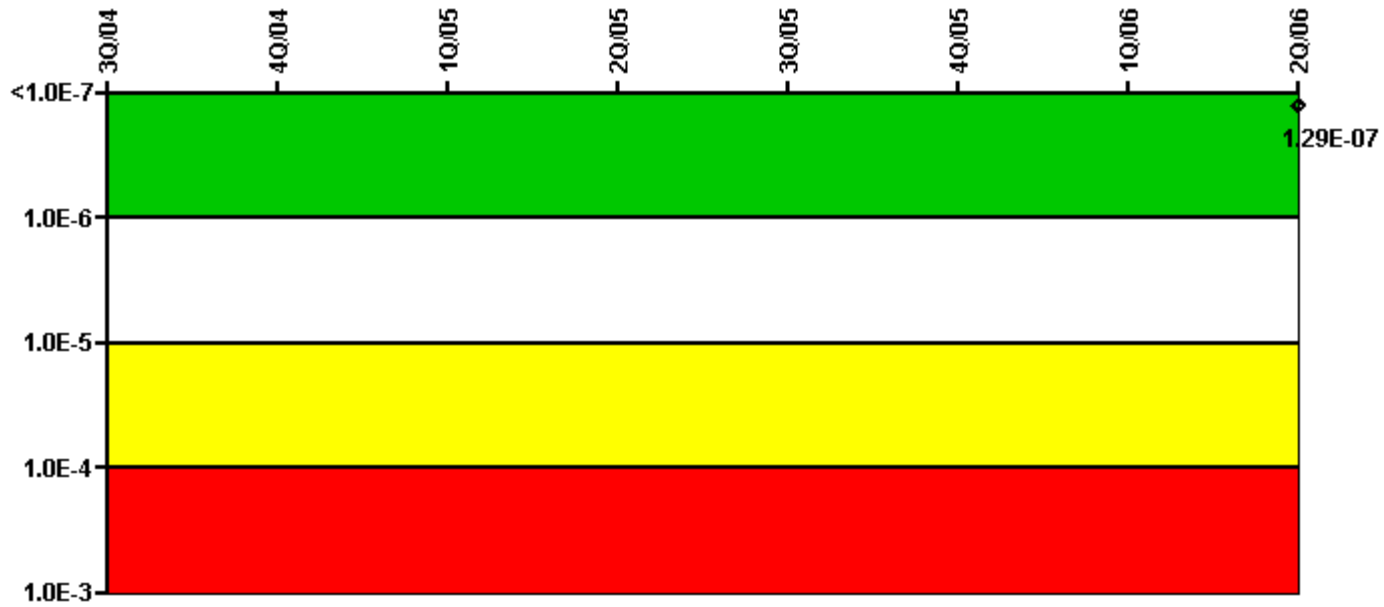
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

| Mitigating Systems Performance Index, Heat Removal System | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     |
|---|-------|-------|-------|-------|-------|-------|-------|-----------|
| UAI (ΔCDF)  |       |       |       |       |       |       |       | -2.20E-08 |
| URI (ΔCDF)  |       |       |       |       |       |       |       | -5.30E-08 |
| PLE   |       |       |       |       |       |       |       | NO        |
| Indicator value   |       |       |       |       |       |       |       | -7.50E-08 |

Licensee Comments: none

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



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

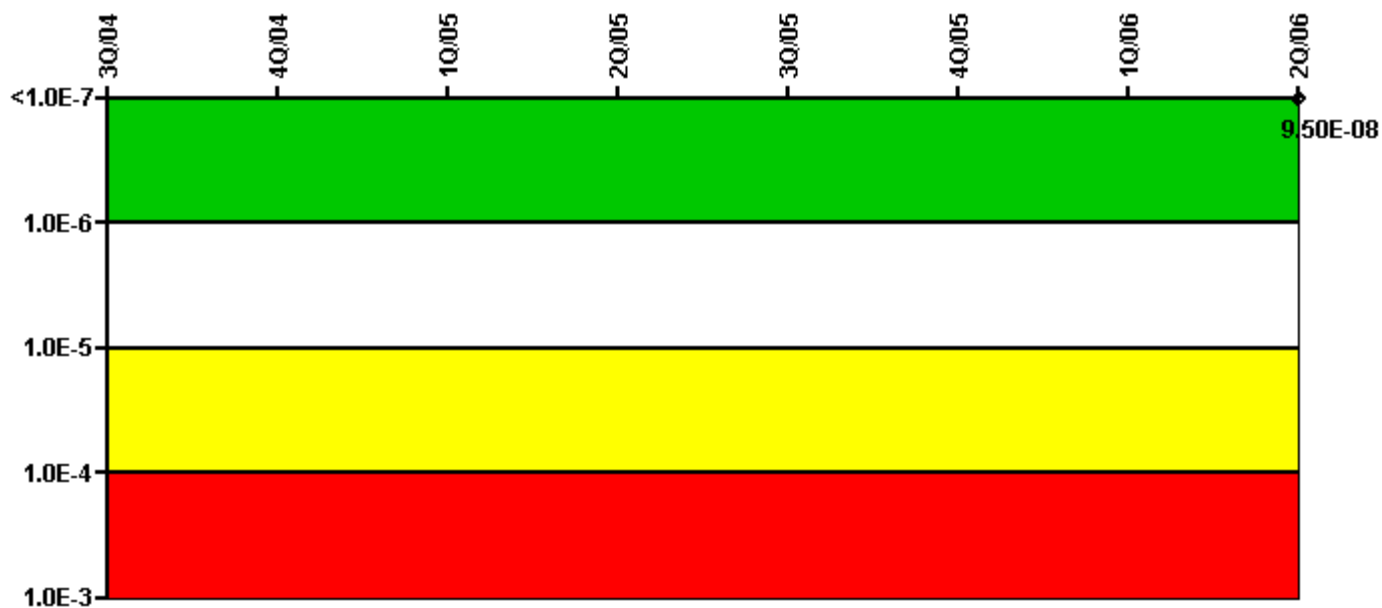
#### Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     |
|--|-------|-------|-------|-------|-------|-------|-------|-----------|
| UAI (ΔCDF)   |       |       |       |       |       |       |       | 1.30E-07  |
| URI (ΔCDF)   |       |       |       |       |       |       |       | -7.70E-10 |
| PLE  |       |       |       |       |       |       |       | NO        |
| Indicator value  |       |       |       |       |       |       |       | 1.29E-07  |

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



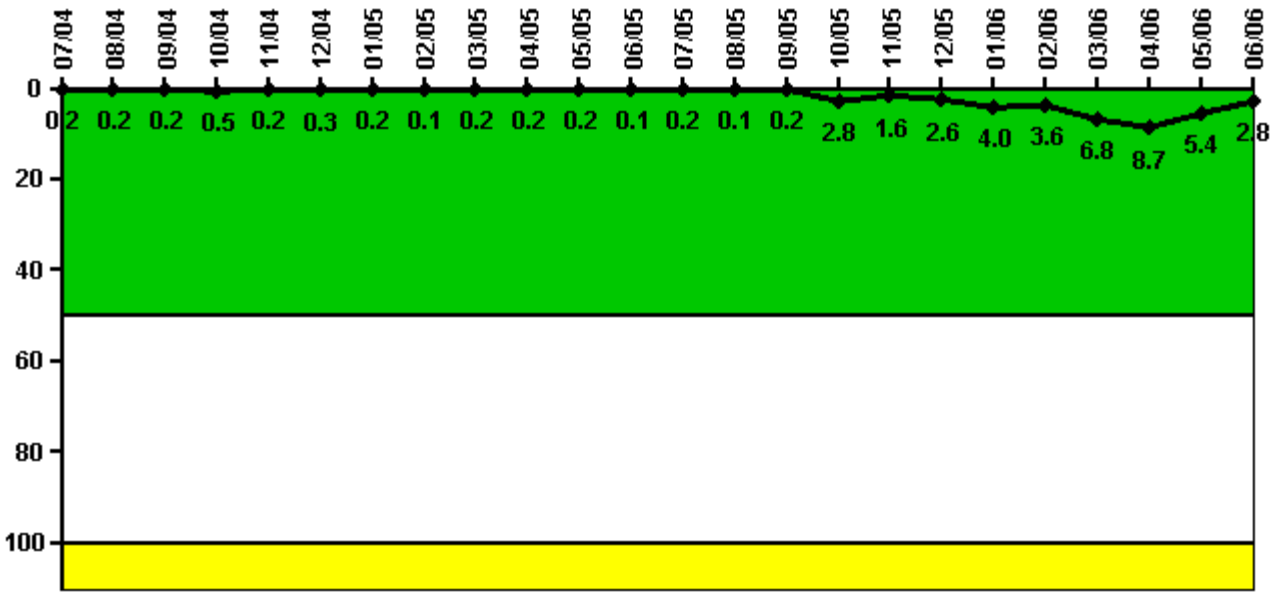
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     |
|---|-------|-------|-------|-------|-------|-------|-------|-----------|
| UAI (ΔCDF)  |       |       |       |       |       |       |       | 1.20E-07  |
| URI (ΔCDF)  |       |       |       |       |       |       |       | -2.50E-08 |
| PLE   |       |       |       |       |       |       |       | NO        |
| Indicator value   |       |       |       |       |       |       |       | 9.50E-08  |

Licensee Comments: none

### Reactor Coolant System Activity



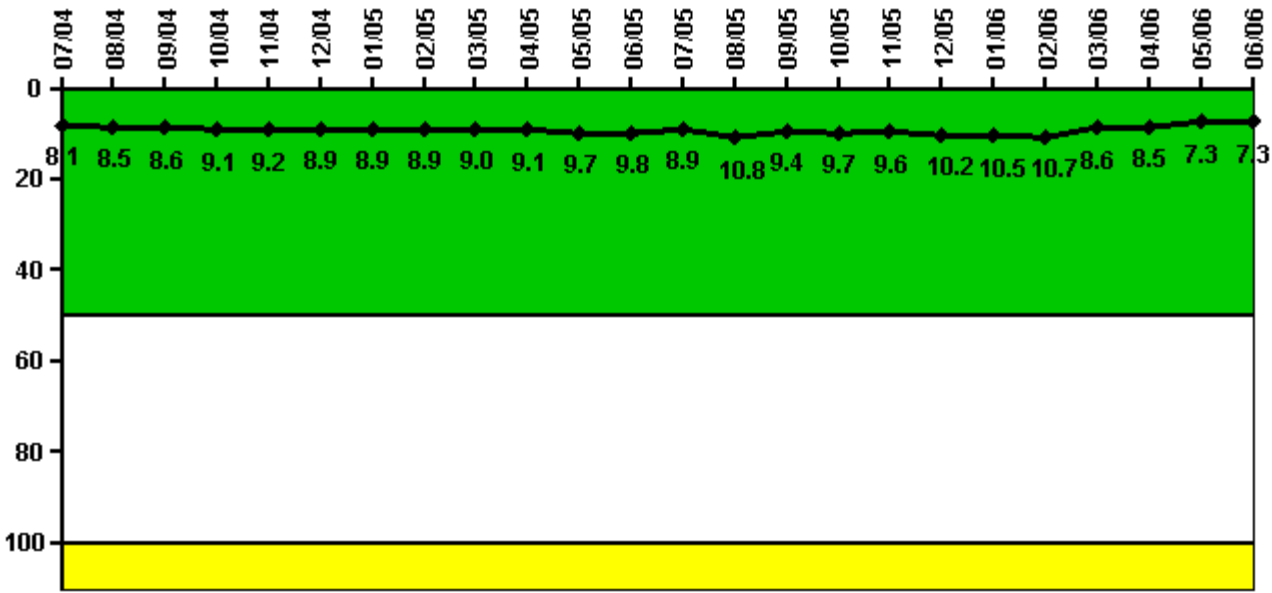
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

| 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                | 0.000338 | 0.000387 | 0.000304 | 0.000964 | 0.000409 | 0.000614 | 0.000408 | 0.000250 | 0.000453 | 0.000487 | 0.000424 | 0.000245 |
| Technical specification limit   | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      |
| Indicator value                 | 0.2      | 0.2      | 0.2      | 0.5      | 0.2      | 0.3      | 0.2      | 0.1      | 0.2      | 0.2      | 0.2      | 0.1      |
| Reactor Coolant System Activity | 7/05     | 8/05     | 9/05     | 10/05    | 11/05    | 12/05    | 1/06     | 2/06     | 3/06     | 4/06     | 5/06     | 6/06     |
| Maximum activity                | 0.000348 | 0.000289 | 0.000425 | 0.005660 | 0.003160 | 0.005120 | 0.007920 | 0.007180 | 0.013500 | 0.017300 | 0.010700 | 0.005570 |
| Technical specification limit   | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      |
| Indicator value                 | 0.2      | 0.1      | 0.2      | 2.8      | 1.6      | 2.6      | 4.0      | 3.6      | 6.8      | 8.7      | 5.4      | 2.8      |

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

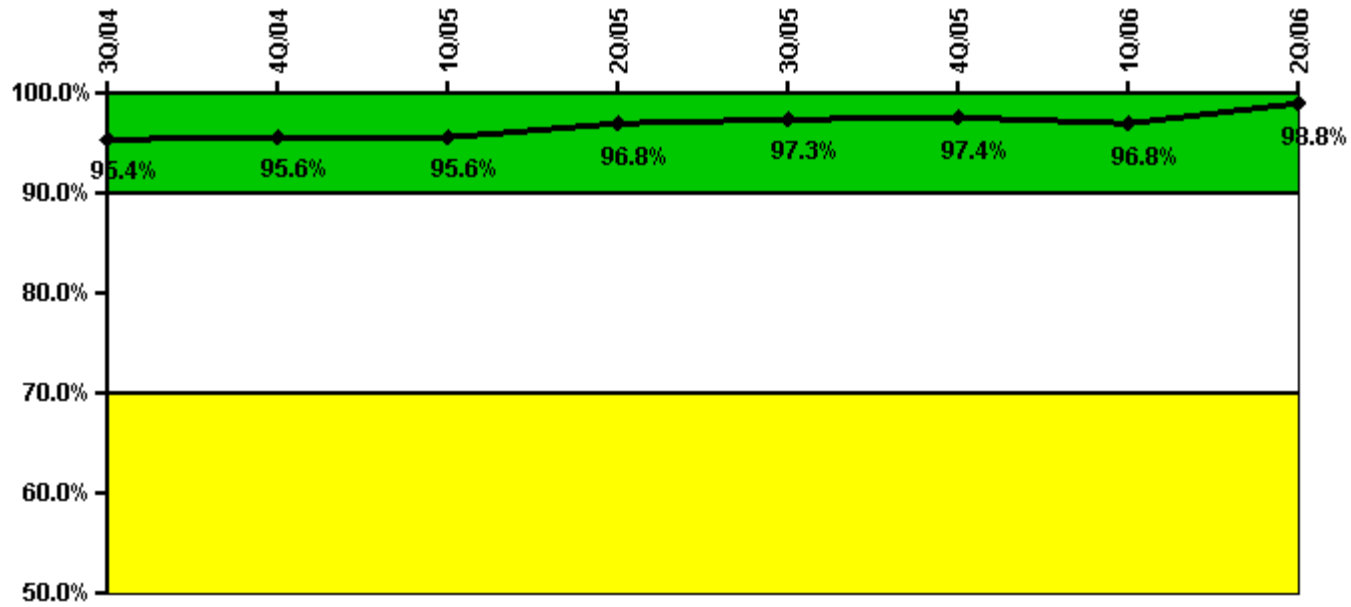
| Reactor Coolant System Leakage | 7/04  | 8/04  | 9/04  | 10/04 | 11/04 | 12/04 | 1/05  | 2/05  | 3/05  | 4/05  | 5/05  | 6/05  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 2.430 | 2.560 | 2.570 | 2.720 | 2.750 | 2.670 | 2.660 | 2.670 | 2.710 | 2.740 | 2.910 | 2.930 |
| Technical specification limit  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  |
| Indicator value                | 8.1   | 8.5   | 8.6   | 9.1   | 9.2   | 8.9   | 8.9   | 8.9   | 9.0   | 9.1   | 9.7   | 9.8   |

| Reactor Coolant System Leakage | 7/05  | 8/05  | 9/05  | 10/05 | 11/05 | 12/05 | 1/06  | 2/06  | 3/06  | 4/06  | 5/06  | 6/06  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 2.670 | 3.230 | 2.810 | 2.920 | 2.890 | 3.060 | 3.140 | 3.200 | 2.590 | 2.540 | 2.190 | 2.180 |
| Technical specification limit  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  |
| Indicator value                | 8.9   | 10.8  | 9.4   | 9.7   | 9.6   | 10.2  | 10.5  | 10.7  | 8.6   | 8.5   | 7.3   | 7.3   |

Licensee Comments: none

### Drill/Exercise Performance



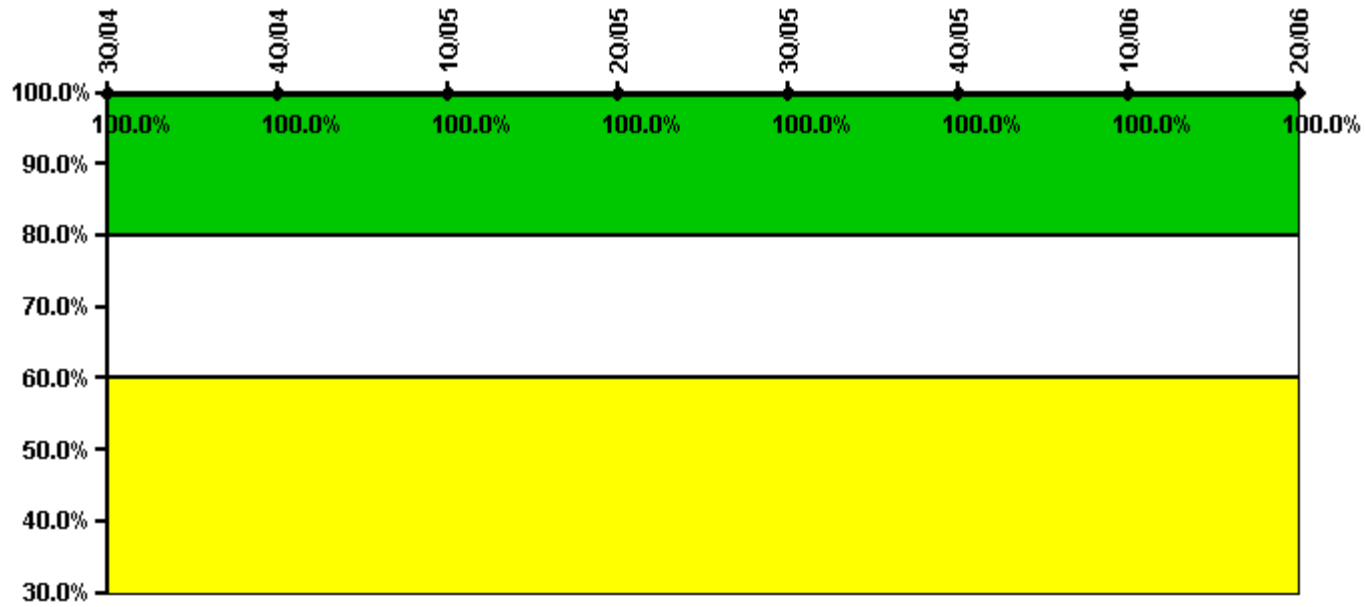
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 3.0   | 12.0  | 10.0  | 34.0  | 54.0  | 16.0  | 7.0   | 23.0  |
| Total opportunities        | 3.0   | 12.0  | 10.0  | 34.0  | 54.0  | 16.0  | 8.0   | 24.0  |
| Indicator value            | 95.4% | 95.6% | 95.6% | 96.8% | 97.3% | 97.4% | 96.8% | 98.8% |

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

| ERO Drill Participation     | 3Q/04  | 4Q/04  | 1Q/05  | 2Q/05  | 3Q/05  | 4Q/05  | 1Q/06  | 2Q/06  |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 108.0  | 106.0  | 105.0  | 126.0  | 129.0  | 126.0  | 122.0  | 130.0  |
| Total Key personnel         | 108.0  | 106.0  | 105.0  | 126.0  | 129.0  | 126.0  | 122.0  | 130.0  |
| Indicator value             | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

### Alert & Notification System



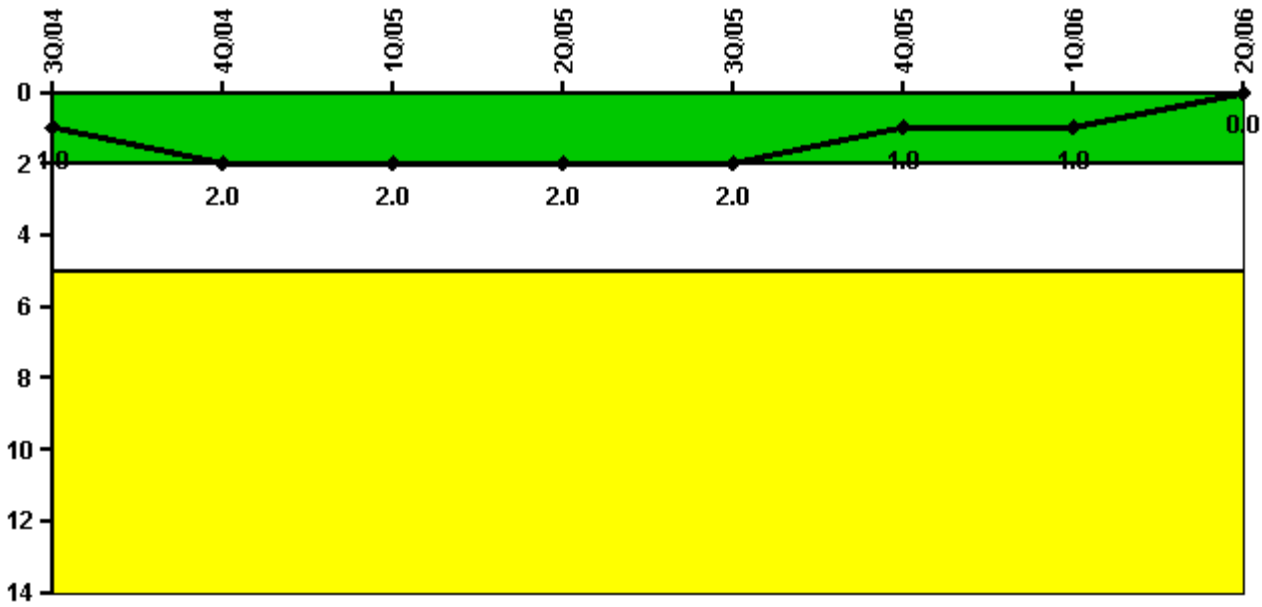
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 1201  | 1205  | 1207  | 1201  | 1095  | 1201  | 1111  | 1199  |
| Total sirens-tests          | 1209  | 1209  | 1209  | 1209  | 1116  | 1209  | 1116  | 1209  |
| Indicator value             | 99.4% | 99.4% | 99.4% | 99.5% | 99.3% | 99.2% | 99.1% | 99.1% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

| Occupational Exposure Control Effectiveness | 3Q/04    | 4Q/04    | 1Q/05    | 2Q/05    | 3Q/05    | 4Q/05    | 1Q/06    | 2Q/06    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences             | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        |
| Very high radiation area occurrences        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Unintended exposure occurrences             | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        |
| <b>Indicator value</b>                      | <b>1</b> | <b>2</b> | <b>2</b> | <b>2</b> | <b>2</b> | <b>1</b> | <b>1</b> | <b>0</b> |

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

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

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

Last Modified: August 2, 2006