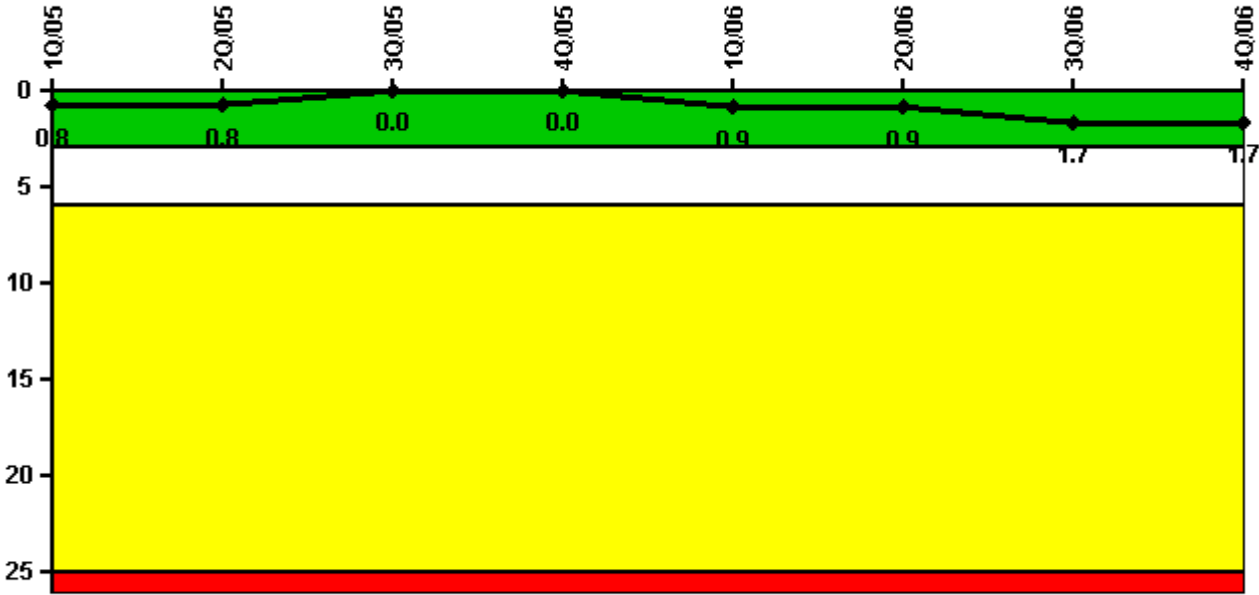


# Clinton

## 4Q/2006 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



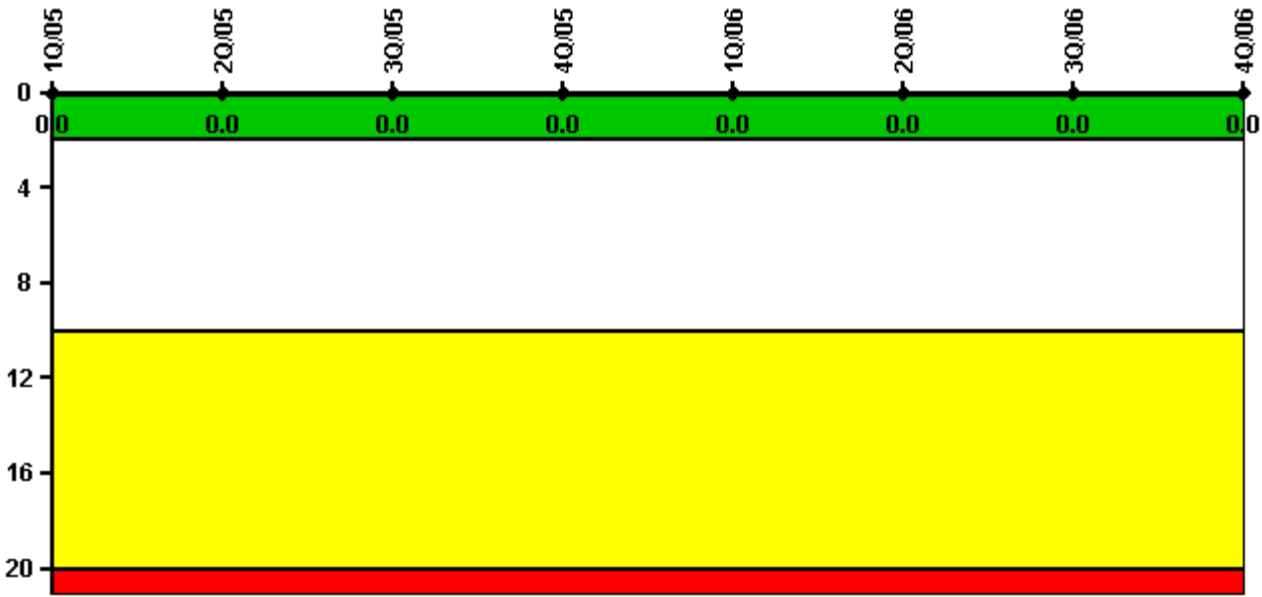
**Thresholds:** White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/05  | 2Q/05  | 3Q/05  | 4Q/05  | 1Q/06  | 2Q/06  | 3Q/06  | 4Q/06  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 0      | 0      | 1.0    | 0      | 1.0    | 0      |
| Critical hours                         | 1934.0 | 2183.0 | 2208.0 | 2209.0 | 1486.6 | 2183.0 | 2170.9 | 2209.0 |
| Indicator value                        | 0.8    | 0.8    | 0      | 0      | 0.9    | 0.9    | 1.7    | 1.7    |

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



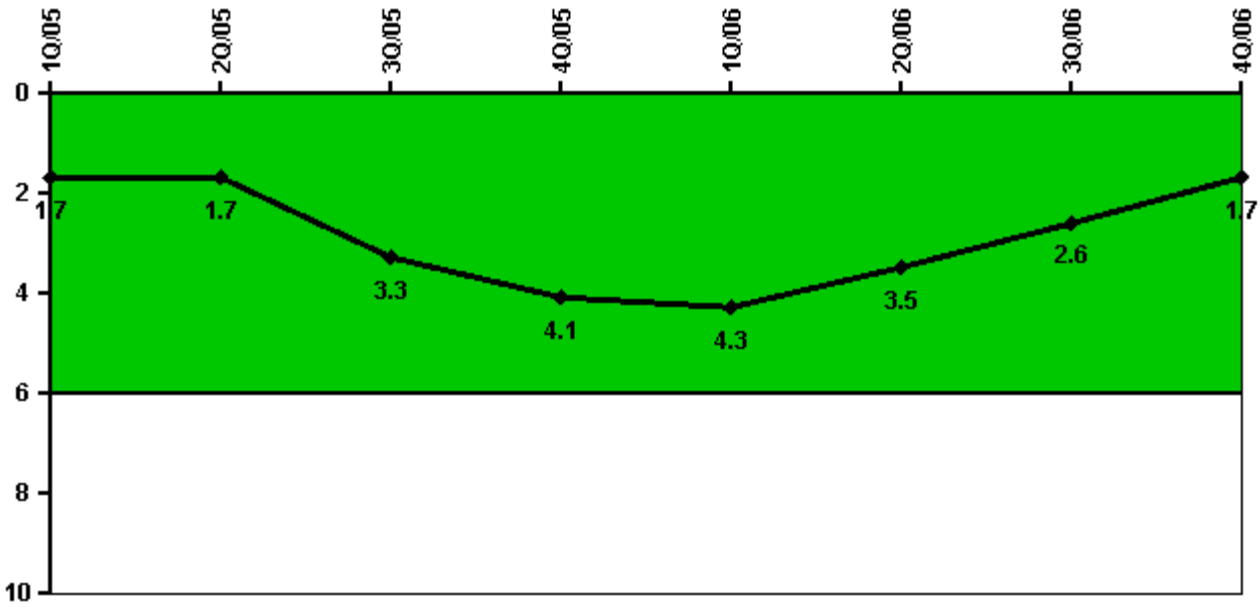
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

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



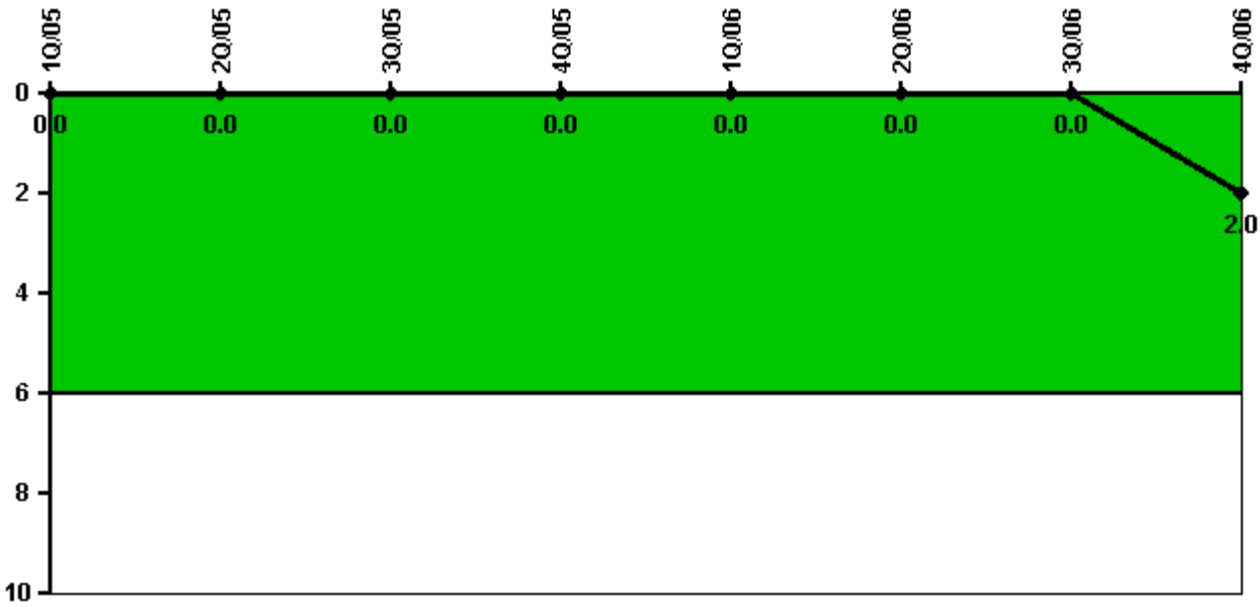
Thresholds: White > 6.0

#### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/05  | 2Q/05  | 3Q/05  | 4Q/05  | 1Q/06  | 2Q/06  | 3Q/06  | 4Q/06  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 1.0    | 1.0    | 2.0    | 1.0    | 1.0    | 0      | 1.0    | 0      |
| Critical hours                                | 1934.0 | 2183.0 | 2208.0 | 2209.0 | 1486.6 | 2183.0 | 2170.9 | 2209.0 |
| Indicator value                               | 1.7    | 1.7    | 3.3    | 4.1    | 4.3    | 3.5    | 2.6    | 1.7    |

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

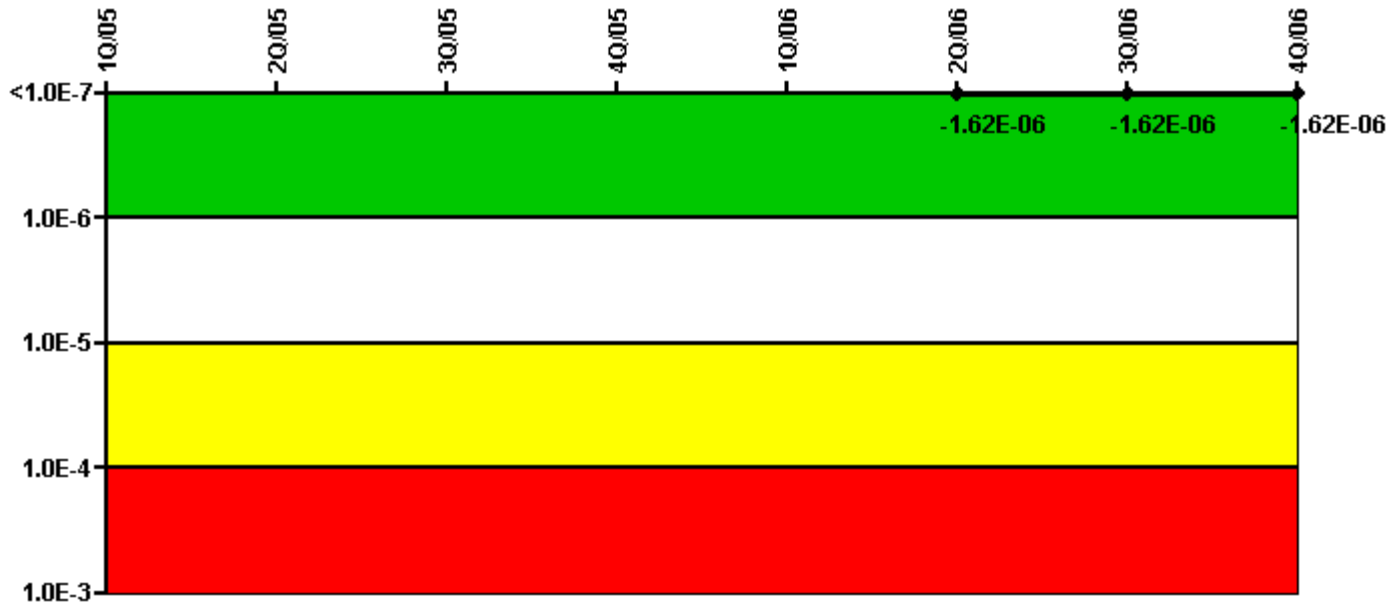
#### Notes

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

Licensee Comments:

4Q/06: Licensee Event Reports 2006-002-00 and 2006-004-00 were issued for Safety System Functional Failures.

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



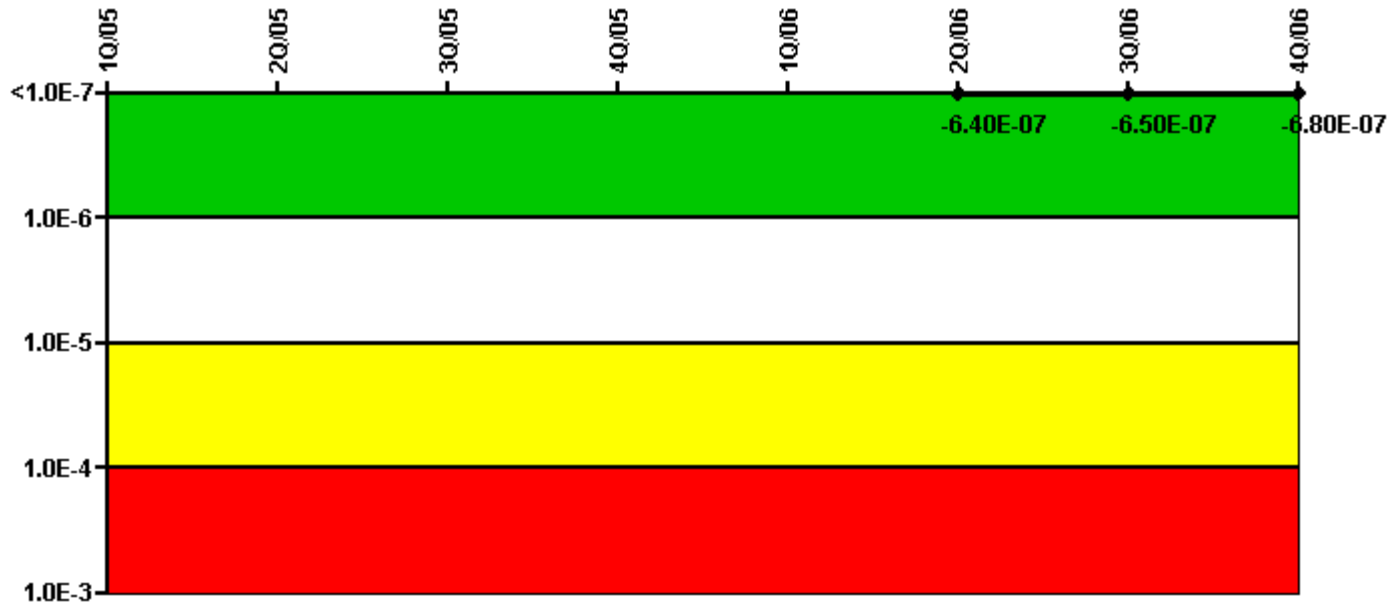
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

**Notes**

| Mitigating Systems Performance Index, Emergency AC Power System | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     |
|---|-------|-------|-------|-------|-------|-----------|-----------|-----------|
| UAI (ΔCDF)  |       |       |       |       |       | -1.20E-07 | -1.20E-07 | -1.20E-07 |
| URI (ΔCDF)  |       |       |       |       |       | -1.50E-06 | -1.50E-06 | -1.50E-06 |
| PLE   |       |       |       |       |       | NO        | NO        | NO        |
| Indicator value   |       |       |       |       |       | -1.62E-06 | -1.62E-06 | -1.62E-06 |

Licensee Comments: none

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



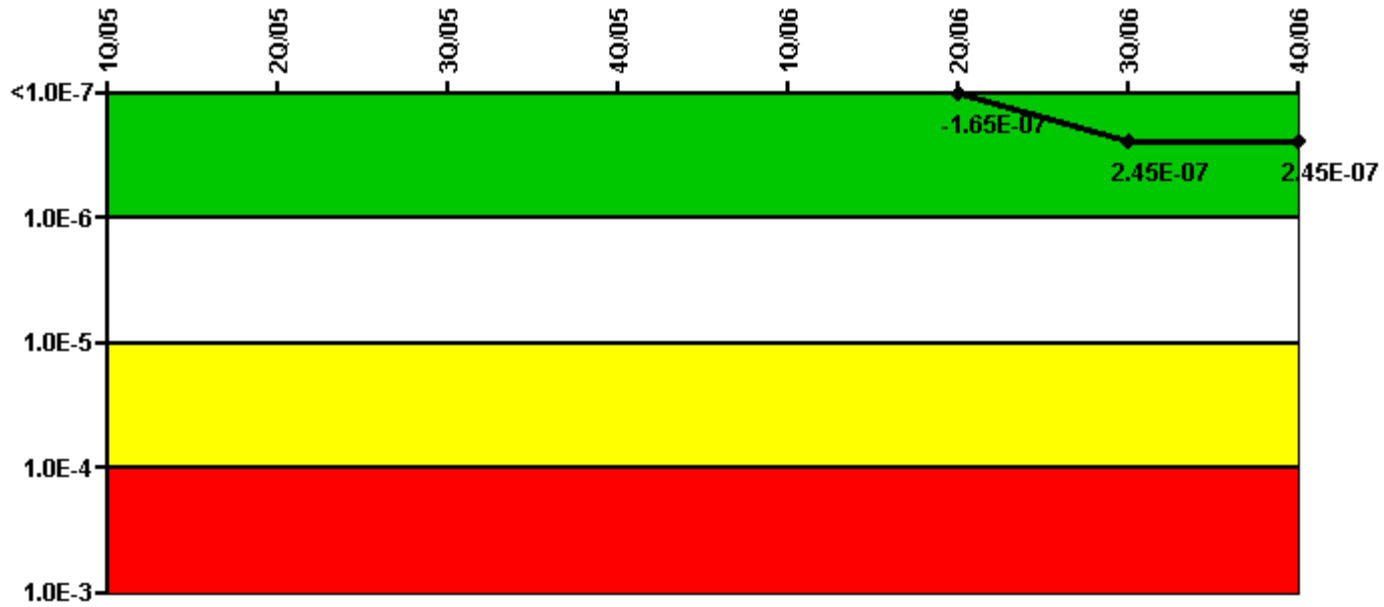
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

**Notes**

| Mitigating Systems Performance Index, High Pressure Injection System | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     |
|--|-------|-------|-------|-------|-------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  |       |       |       |       |       | -1.20E-07 | -1.20E-07 | -1.50E-07 |
| URI ( $\Delta$ CDF)  |       |       |       |       |       | -5.20E-07 | -5.30E-07 | -5.30E-07 |
| PLE  |       |       |       |       |       | NO        | NO        | NO        |
| Indicator value  |       |       |       |       |       | -6.40E-07 | -6.50E-07 | -6.80E-07 |

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



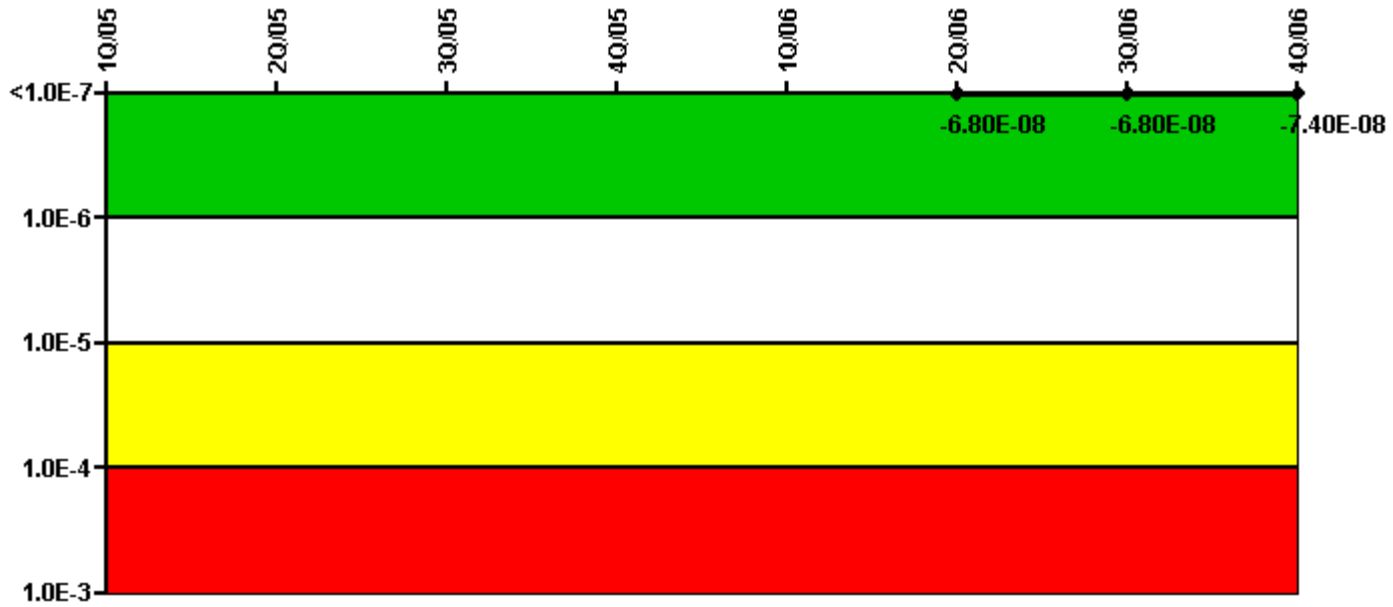
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

| Mitigating Systems Performance Index, Heat Removal System | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     |
|---|-------|-------|-------|-------|-------|-----------|-----------|-----------|
| UAI (ΔCDF)  |       |       |       |       |       | -4.50E-08 | -2.50E-08 | -2.50E-08 |
| URI (ΔCDF)  |       |       |       |       |       | -1.20E-07 | 2.70E-07  | 2.70E-07  |
| PLE   |       |       |       |       |       | NO        | NO        | NO        |
| Indicator value   |       |       |       |       |       | -1.65E-07 | 2.45E-07  | 2.45E-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

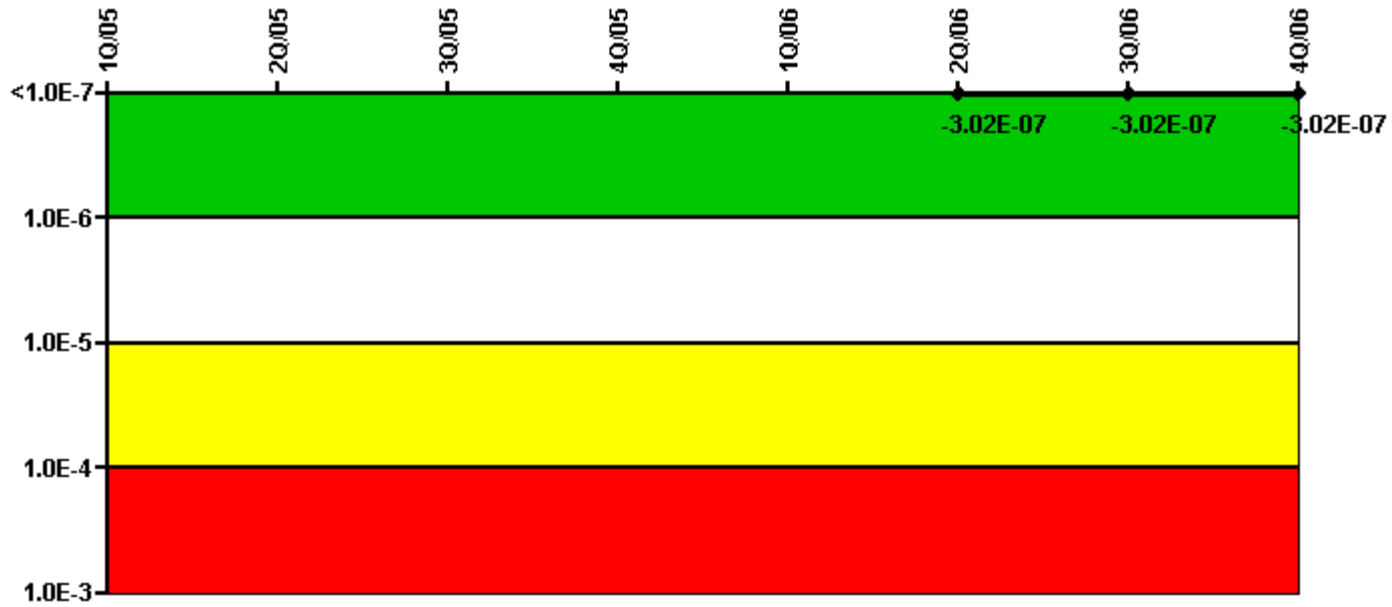
#### Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     |
|--|-------|-------|-------|-------|-------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  |       |       |       |       |       | -1.90E-08 | -1.90E-08 | -2.50E-08 |
| URI ( $\Delta$ CDF)  |       |       |       |       |       | -4.90E-08 | -4.90E-08 | -4.90E-08 |
| PLE  |       |       |       |       |       | NO        | NO        | NO        |
| Indicator value  |       |       |       |       |       | -6.80E-08 | -6.80E-08 | -7.40E-08 |

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



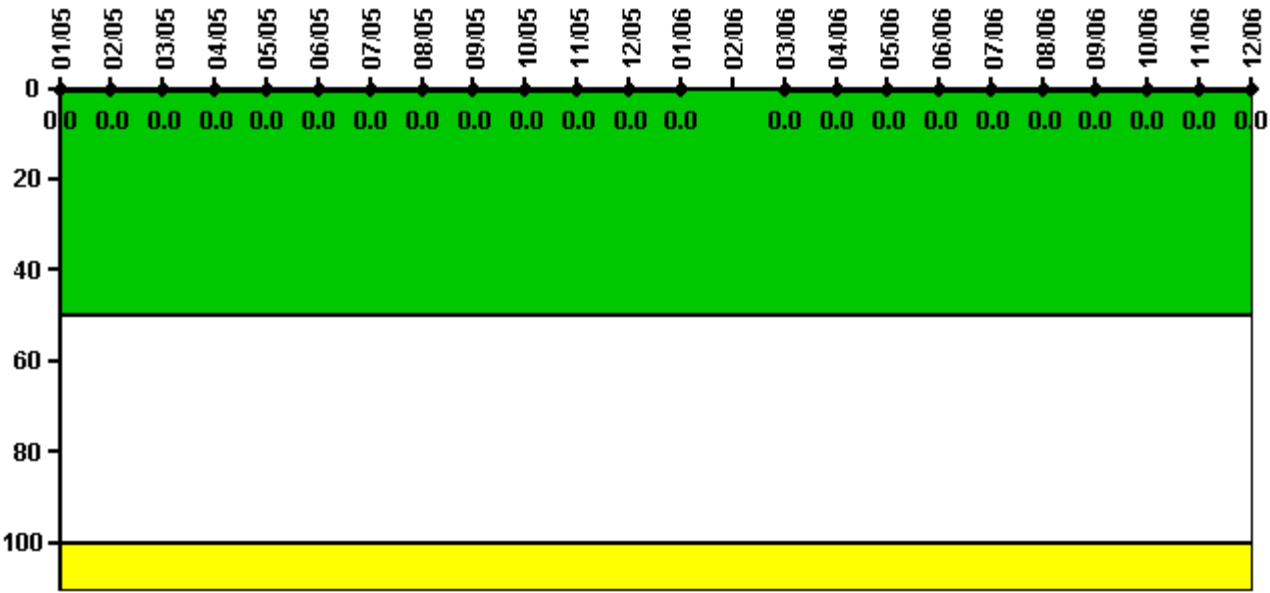
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     |
|---|-------|-------|-------|-------|-------|-----------|-----------|-----------|
| UAI (ΔCDF)  |       |       |       |       |       | -7.20E-08 | -7.20E-08 | -7.20E-08 |
| URI (ΔCDF)  |       |       |       |       |       | -2.30E-07 | -2.30E-07 | -2.30E-07 |
| PLE   |       |       |       |       |       | NO        | NO        | NO        |
| Indicator value   |       |       |       |       |       | -3.02E-07 | -3.02E-07 | -3.02E-07 |

Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

**Notes**

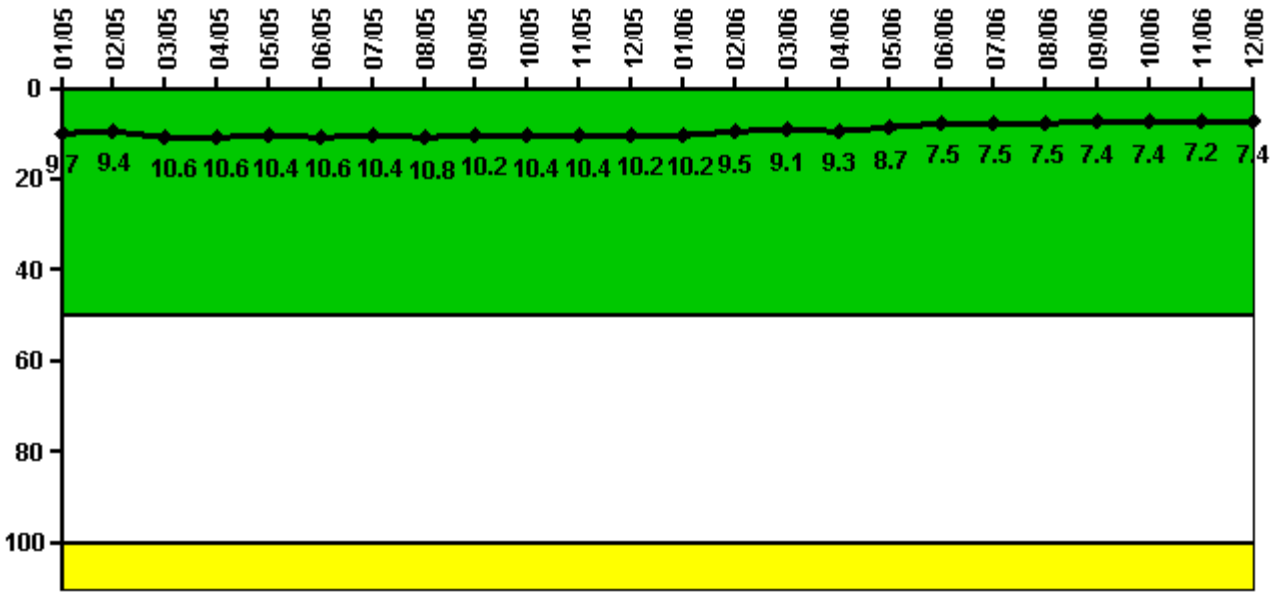
| Reactor Coolant System Activity | 1/05     | 2/05     | 3/05     | 4/05     | 5/05     | 6/05     | 7/05     | 8/05     | 9/05     | 10/05    | 11/05    | 12/05    |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000005 | 0.000004 | 0.000005 | 0.000004 | 0.000004 | 0.000005 | 0.000005 | 0.000005 | 0.000005 | 0.000006 | 0.000005 | 0.000003 |
| 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        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |

| Reactor Coolant System Activity | 1/06     | 2/06 | 3/06     | 4/06     | 5/06     | 6/06     | 7/06     | 8/06     | 9/06     | 10/06    | 11/06    | 12/06    |
|---------------------------------|----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000004 | N/A  | 0.000001 | 0.000003 | 0.000002 | 0.000002 | 0.000002 | 0.000002 | 0.000002 | 0.000002 | 0.000002 | 0.000002 |
| 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        | N/A  | 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**

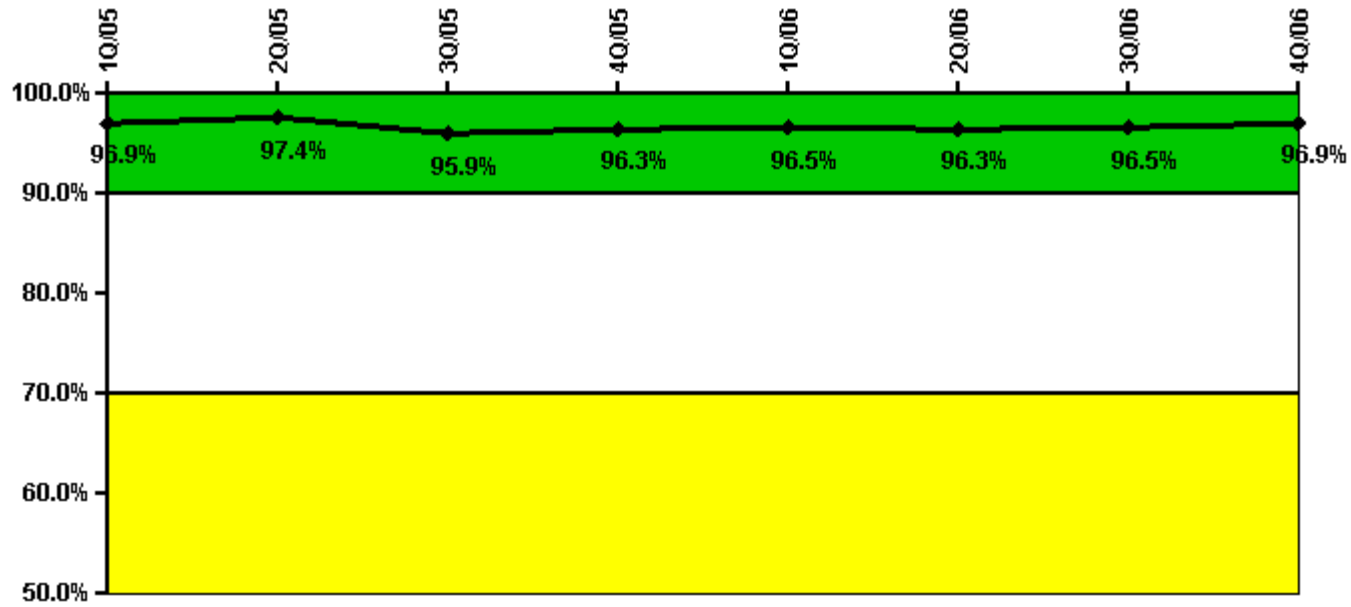
| Reactor Coolant System Leakage | 1/05  | 2/05  | 3/05  | 4/05  | 5/05  | 6/05  | 7/05  | 8/05  | 9/05  | 10/05 | 11/05 | 12/05 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 2.900 | 2.830 | 3.180 | 3.170 | 3.130 | 3.170 | 3.130 | 3.230 | 3.060 | 3.110 | 3.120 | 3.070 |
| 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                | 9.7   | 9.4   | 10.6  | 10.6  | 10.4  | 10.6  | 10.4  | 10.8  | 10.2  | 10.4  | 10.4  | 10.2  |

| Reactor Coolant System Leakage | 1/06  | 2/06  | 3/06  | 4/06  | 5/06  | 6/06  | 7/06  | 8/06  | 9/06  | 10/06 | 11/06 | 12/06 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 3.070 | 2.860 | 2.730 | 2.780 | 2.600 | 2.250 | 2.250 | 2.240 | 2.210 | 2.220 | 2.170 | 2.230 |
| 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                | 10.2  | 9.5   | 9.1   | 9.3   | 8.7   | 7.5   | 7.5   | 7.5   | 7.4   | 7.4   | 7.2   | 7.4   |

Licensee Comments: none

### Drill/Exercise Performance



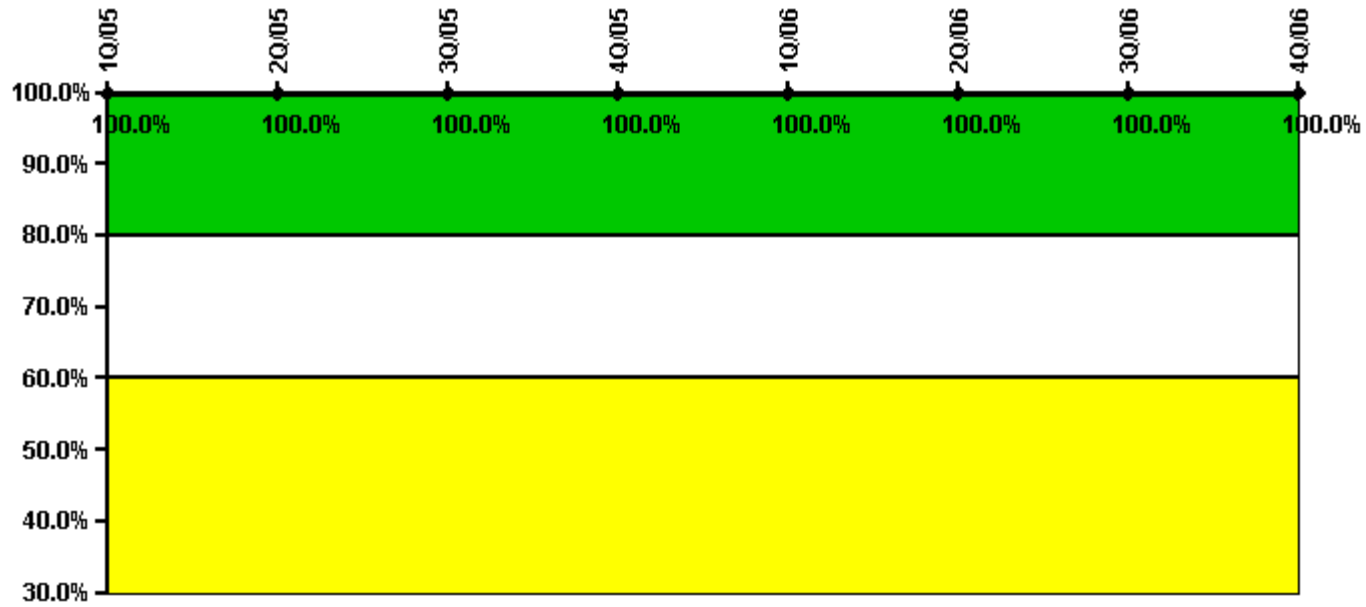
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 24.0  | 20.0  | 21.0  | 110.0 | 0     | 62.0  | 80.0  | 23.0  |
| Total opportunities        | 26.0  | 20.0  | 25.0  | 113.0 | 0     | 62.0  | 82.0  | 23.0  |
|                            |       |       |       |       |       |       |       |       |
| Indicator value            | 96.9% | 97.4% | 95.9% | 96.3% | 96.5% | 96.3% | 96.5% | 96.9% |

Licensee Comments: none

### ERO Drill Participation



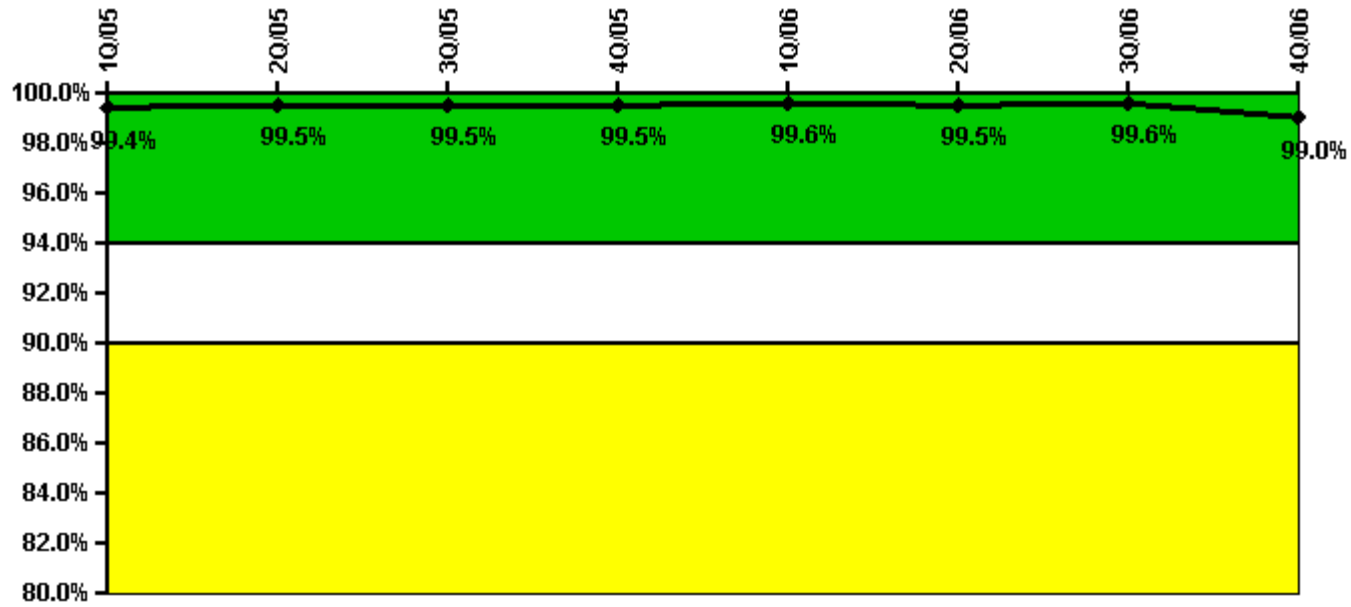
Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

| ERO Drill Participation     | 1Q/05  | 2Q/05  | 3Q/05  | 4Q/05  | 1Q/06  | 2Q/06  | 3Q/06  | 4Q/06  |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 57.0   | 58.0   | 60.0   | 62.0   | 62.0   | 63.0   | 61.0   | 62.0   |
| Total Key personnel         | 57.0   | 58.0   | 60.0   | 62.0   | 62.0   | 63.0   | 61.0   | 62.0   |
|                             |        |        |        |        |        |        |        |        |
| Indicator value             | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

### Alert & Notification System



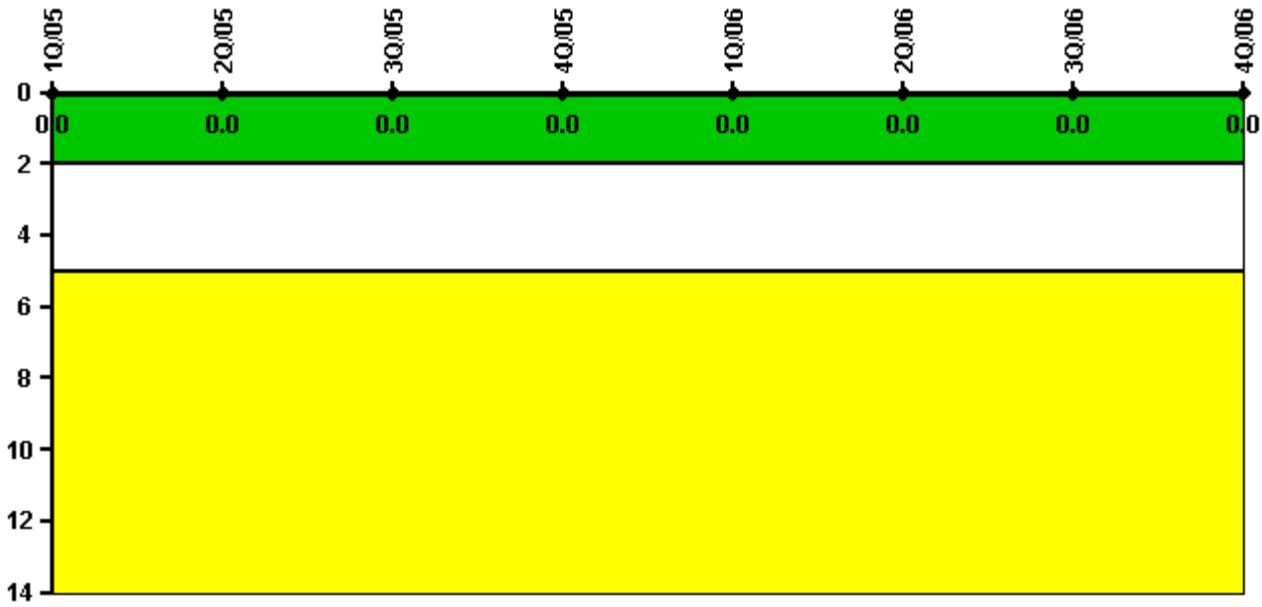
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 2795  | 2810  | 2798  | 2810  | 2840  | 2805  | 2804  | 2699  |
| Total sirens-tests          | 2816  | 2816  | 2816  | 2816  | 2860  | 2816  | 2816  | 2772  |
| Indicator value             | 99.4% | 99.5% | 99.5% | 99.5% | 99.6% | 99.5% | 99.6% | 99.0% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



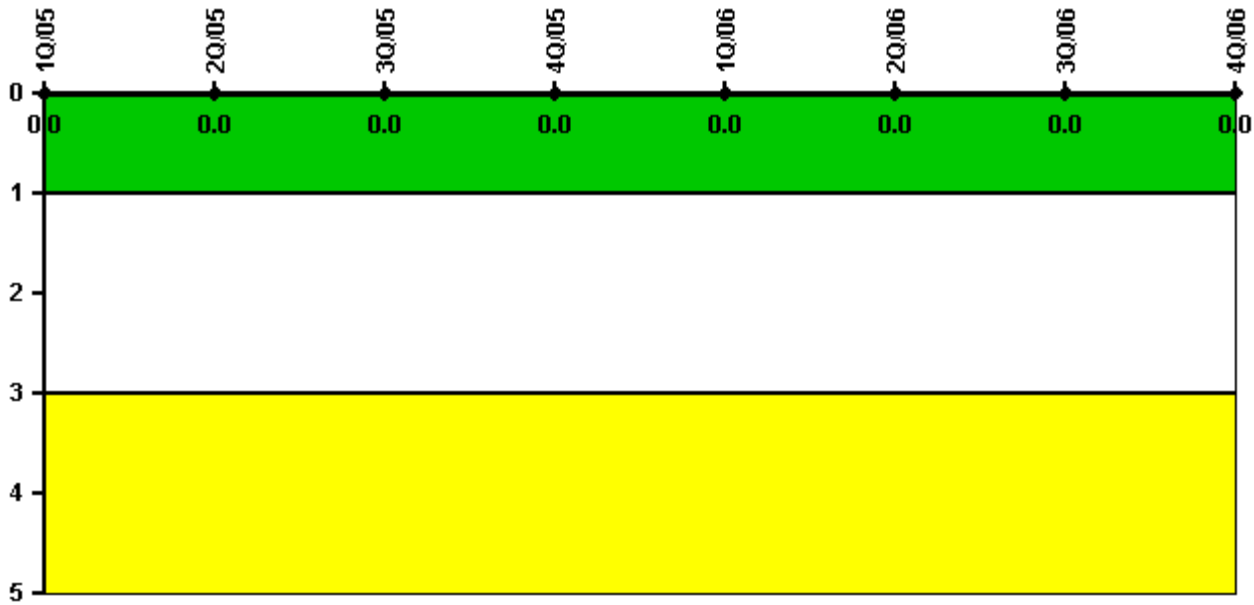
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

| Occupational Exposure Control Effectiveness | 1Q/05    | 2Q/05    | 3Q/05    | 4Q/05    | 1Q/06    | 2Q/06    | 3Q/06    | 4Q/06    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/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.