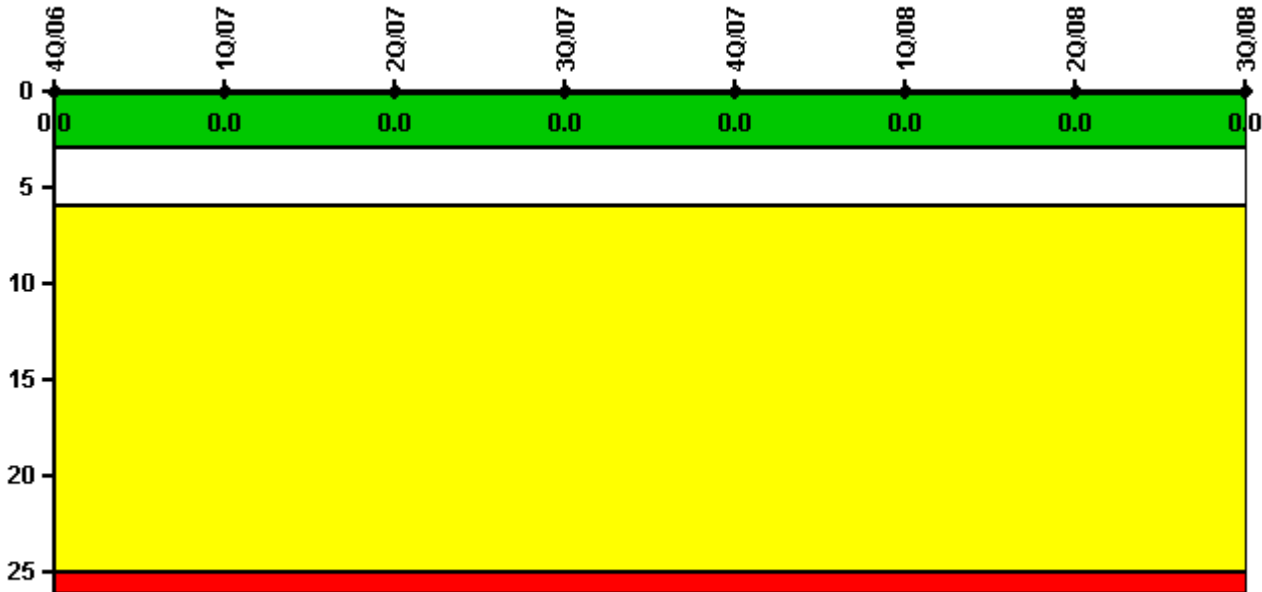


# D.C. Cook 2

## 3Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



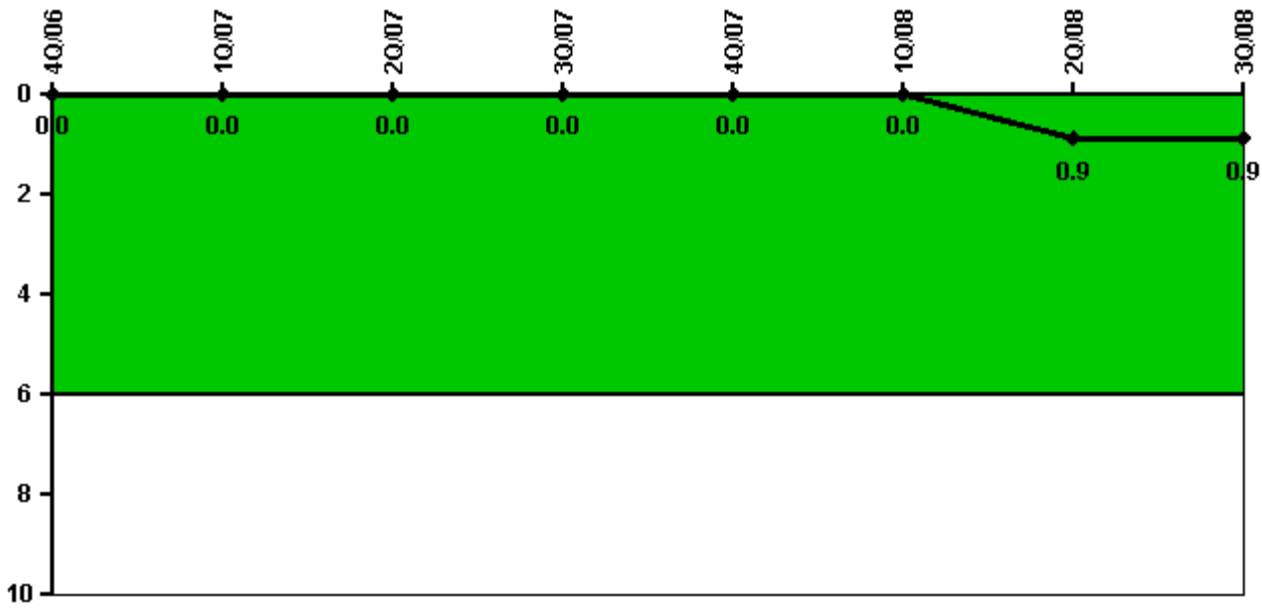
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/06  | 1Q/07  | 2Q/07  | 3Q/07  | 4Q/07  | 1Q/08  | 2Q/08  | 3Q/08  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Critical hours                         | 2209.0 | 2159.0 | 2184.0 | 1824.0 | 1340.3 | 2183.0 | 2184.0 | 2157.2 |
| 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 | 4Q/06  | 1Q/07  | 2Q/07  | 3Q/07  | 4Q/07  | 1Q/08  | 2Q/08  | 3Q/08  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 0      | 0      | 0      | 0      | 0      | 0      | 1.0    | 0      |
| Critical hours                                | 2209.0 | 2159.0 | 2184.0 | 1824.0 | 1340.3 | 2183.0 | 2184.0 | 2157.2 |
| Indicator value                               | 0      | 0      | 0      | 0      | 0      | 0      | 0.9    | 0.9    |

Licensee Comments: none

# Unplanned Scrams with Complications



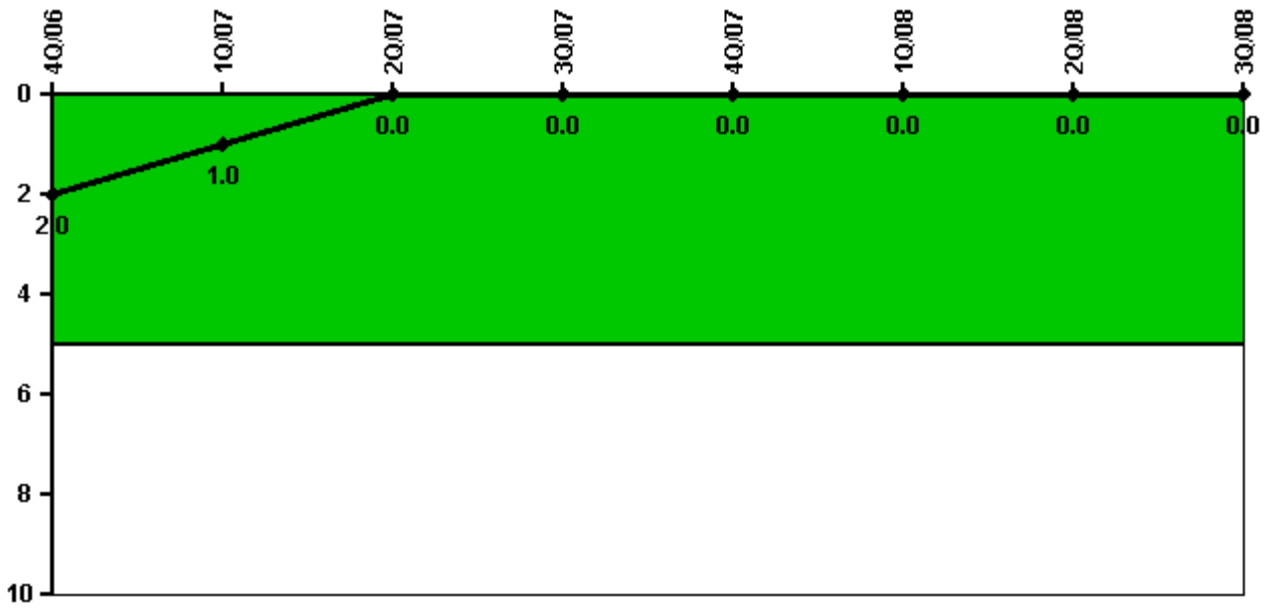
Thresholds: White > 1.0

**Notes**

| Unplanned Scrams with Complications | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams with complications           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|                                     |       |       |       |       |       |       |       |       |
| Indicator value                     |       |       |       | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

Licensee Comments: none

## Safety System Functional Failures (PWR)



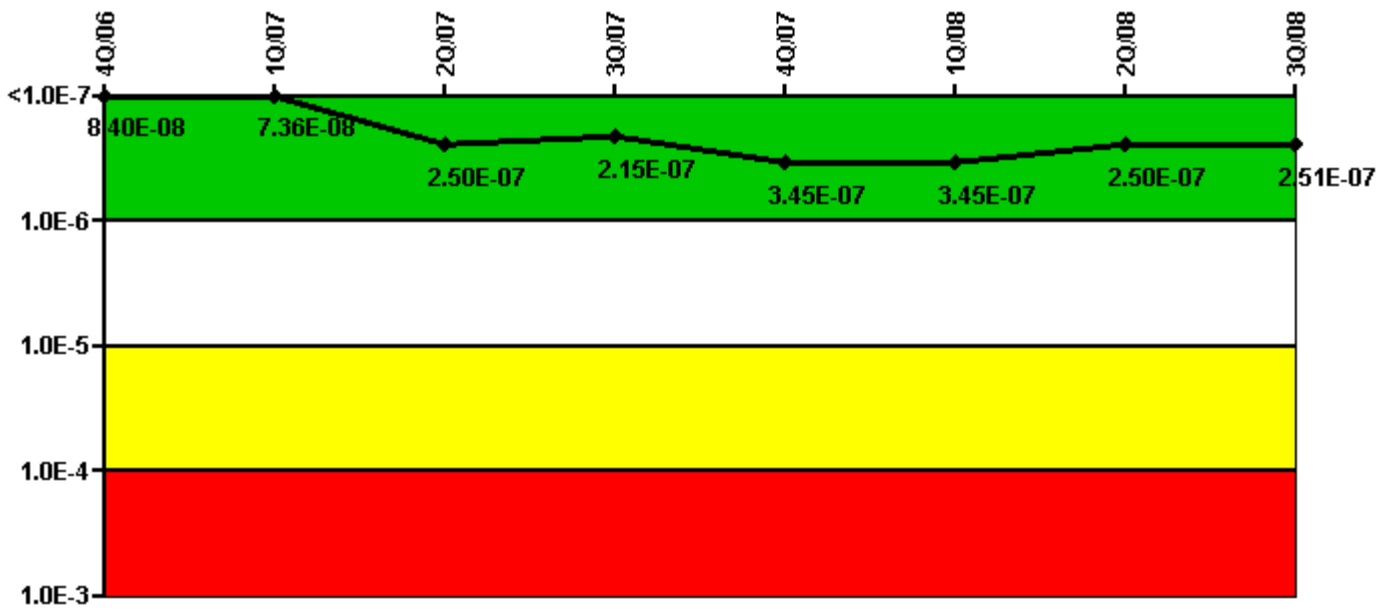
Thresholds: White > 5.0

### Notes

| Safety System Functional Failures (PWR) | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures       | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| Indicator value                         | 2     | 1     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



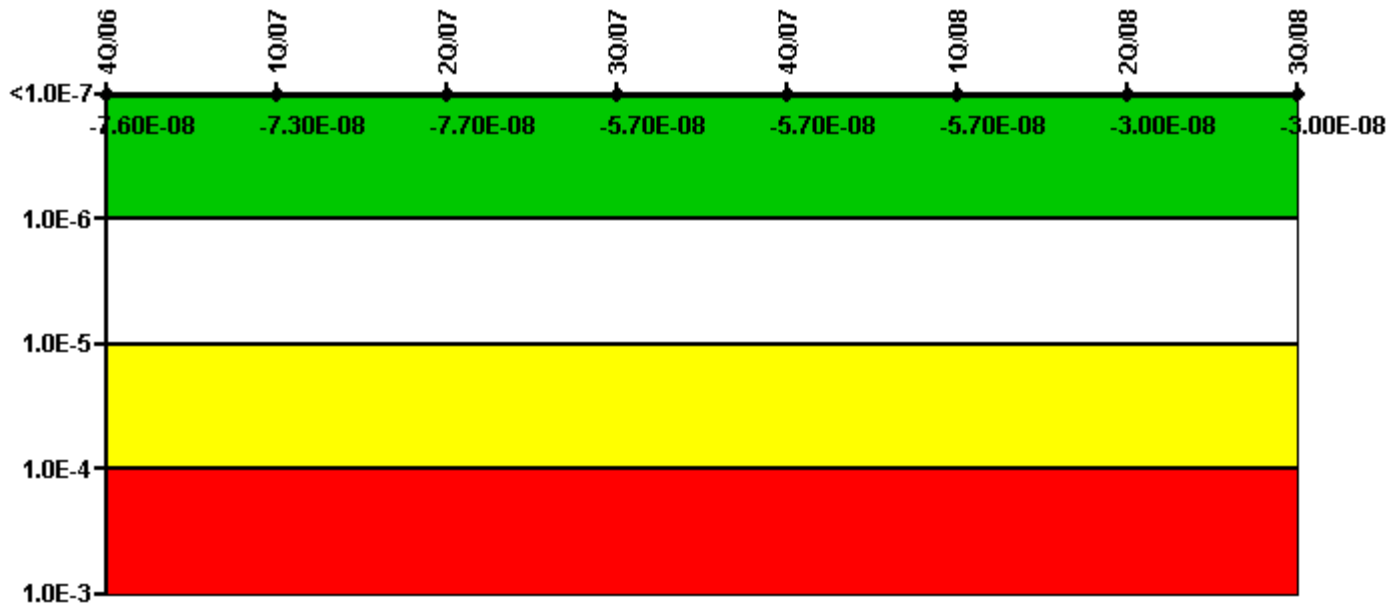
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 4Q/06    | 1Q/07    | 2Q/07    | 3Q/07    | 4Q/07    | 1Q/08    | 2Q/08     | 3Q/08    |
|---|----------|----------|----------|----------|----------|----------|-----------|----------|
| UAI (ΔCDF)  | 1.20E-08 | 1.60E-09 | 1.00E-08 | 5.40E-09 | 5.00E-09 | 4.90E-09 | -2.80E-11 | 8.10E-10 |
| URI (ΔCDF)  | 7.20E-08 | 7.20E-08 | 2.40E-07 | 2.10E-07 | 3.40E-07 | 3.40E-07 | 2.50E-07  | 2.50E-07 |
| PLE   | NO       | NO       | NO       | NO       | NO       | NO       | NO        | NO       |
| Indicator value   | 8.40E-08 | 7.36E-08 | 2.50E-07 | 2.15E-07 | 3.45E-07 | 3.45E-07 | 2.50E-07  | 2.51E-07 |

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



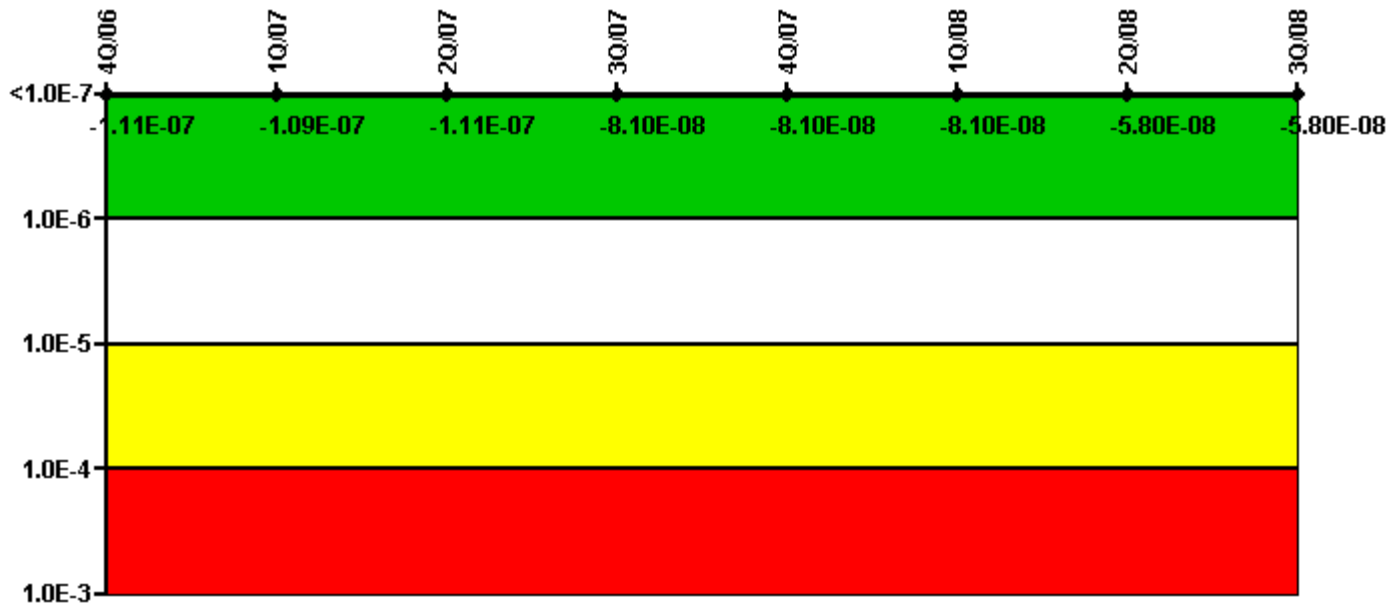
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 4Q/06     | 1Q/07     | 2Q/07     | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     | 3Q/08     |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  | -3.40E-08 | -3.10E-08 | -3.50E-08 | -2.20E-08 | -2.20E-08 | -2.20E-08 | -4.40E-11 | -4.10E-11 |
| URI ( $\Delta$ CDF)  | -4.20E-08 | -4.20E-08 | -4.20E-08 | -3.50E-08 | -3.50E-08 | -3.50E-08 | -3.00E-08 | -3.00E-08 |
| PLE  | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value  | -7.60E-08 | -7.30E-08 | -7.70E-08 | -5.70E-08 | -5.70E-08 | -5.70E-08 | -3.00E-08 | -3.00E-08 |

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



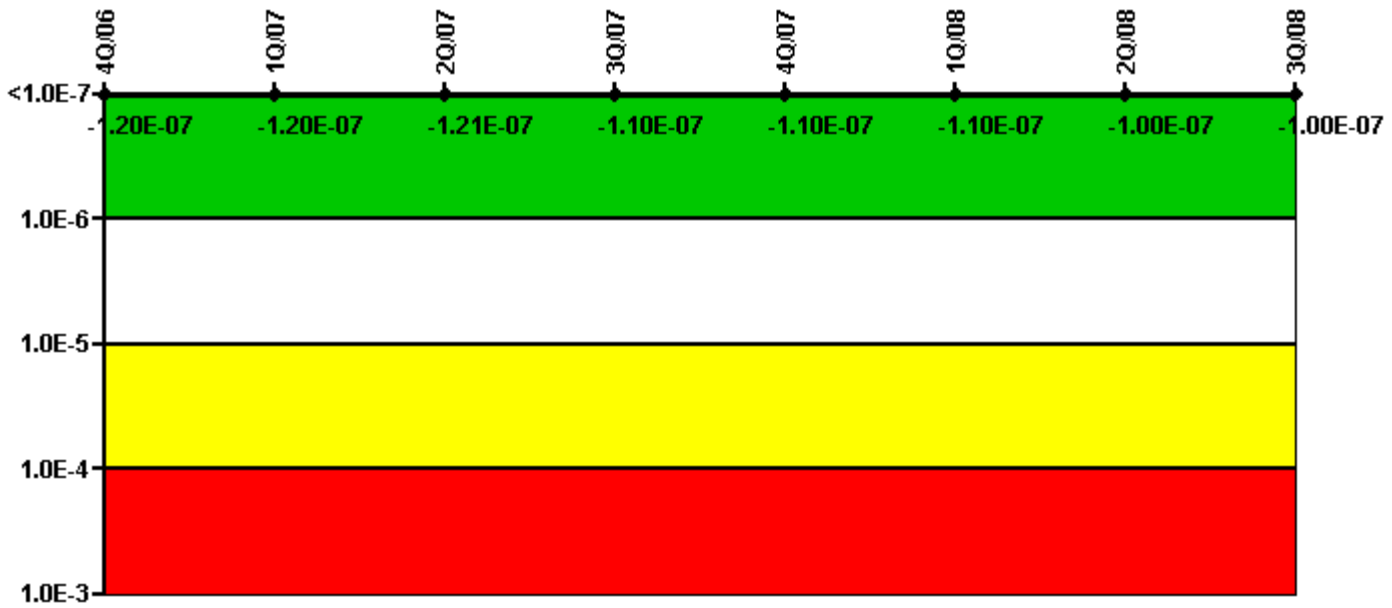
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Heat Removal System | 4Q/06     | 1Q/07     | 2Q/07     | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     | 3Q/08     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)                                       | -3.00E-08 | -3.00E-08 | -3.40E-08 | -2.20E-08 | -2.20E-08 | -2.20E-08 | -4.00E-11 | -4.00E-11 |
| URI ( $\Delta$ CDF)                                       | -8.10E-08 | -7.90E-08 | -7.70E-08 | -5.90E-08 | -5.90E-08 | -5.90E-08 | -5.80E-08 | -5.80E-08 |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | -1.11E-07 | -1.09E-07 | -1.11E-07 | -8.10E-08 | -8.10E-08 | -8.10E-08 | -5.80E-08 | -5.80E-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

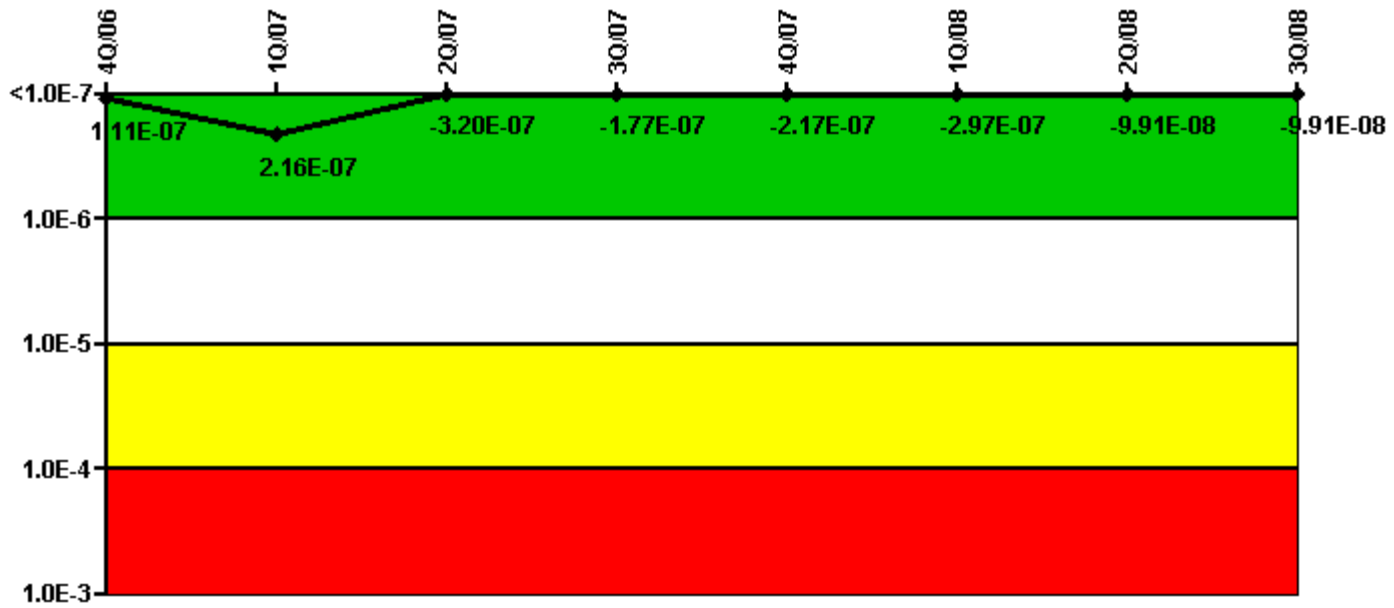
## Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 4Q/06     | 1Q/07     | 2Q/07     | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     | 3Q/08     |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  | -2.40E-10 | -2.60E-10 | -8.40E-10 | -2.00E-10 | -2.00E-10 | -2.00E-10 | -1.50E-13 | -2.50E-13 |
| URI ( $\Delta$ CDF)  | -1.20E-07 | -1.20E-07 | -1.20E-07 | -1.10E-07 | -1.10E-07 | -1.10E-07 | -1.00E-07 | -1.00E-07 |
| PLE  | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value  | -1.20E-07 | -1.20E-07 | -1.21E-07 | -1.10E-07 | -1.10E-07 | -1.10E-07 | -1.00E-07 | -1.00E-07 |

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



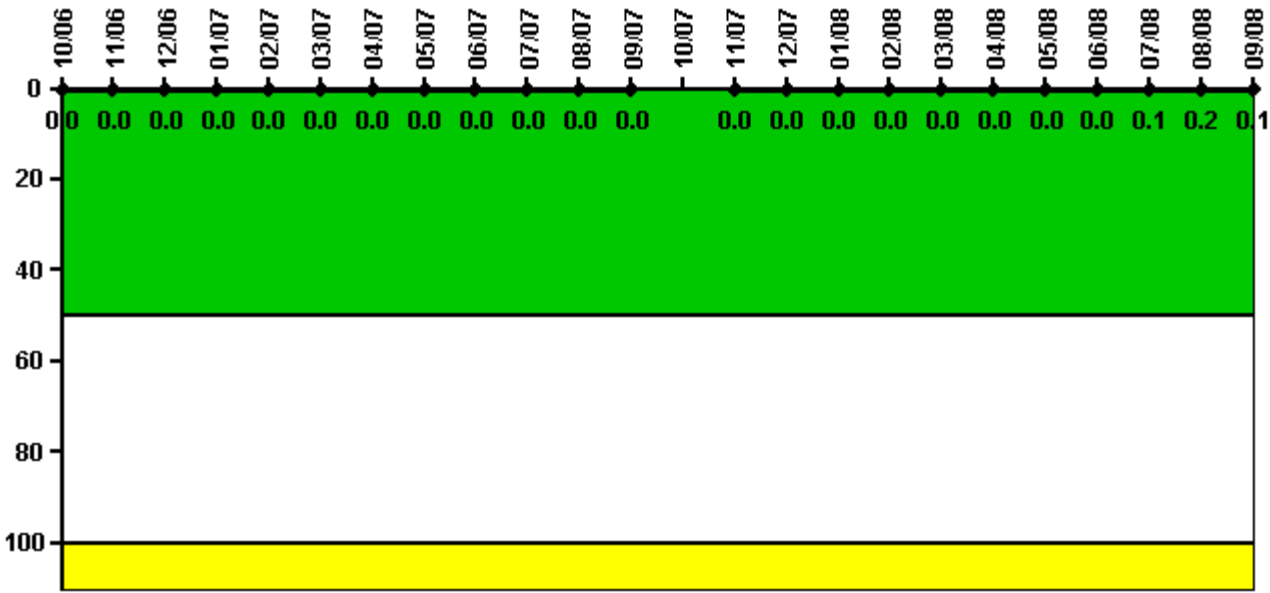
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 4Q/06     | 1Q/07    | 2Q/07     | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     | 3Q/08     |
|---|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)   | -5.90E-08 | 4.60E-08 | -1.10E-07 | -1.00E-07 | -1.40E-07 | -2.20E-07 | -7.80E-11 | -9.20E-11 |
| URI ( $\Delta$ CDF)   | 1.70E-07  | 1.70E-07 | -2.10E-07 | -7.70E-08 | -7.70E-08 | -7.70E-08 | -9.90E-08 | -9.90E-08 |
| PLE   | NO        | NO       | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | 1.11E-07  | 2.16E-07 | -3.20E-07 | -1.77E-07 | -2.17E-07 | -2.97E-07 | -9.91E-08 | -9.91E-08 |

Licensee Comments: none

## Reactor Coolant System Activity



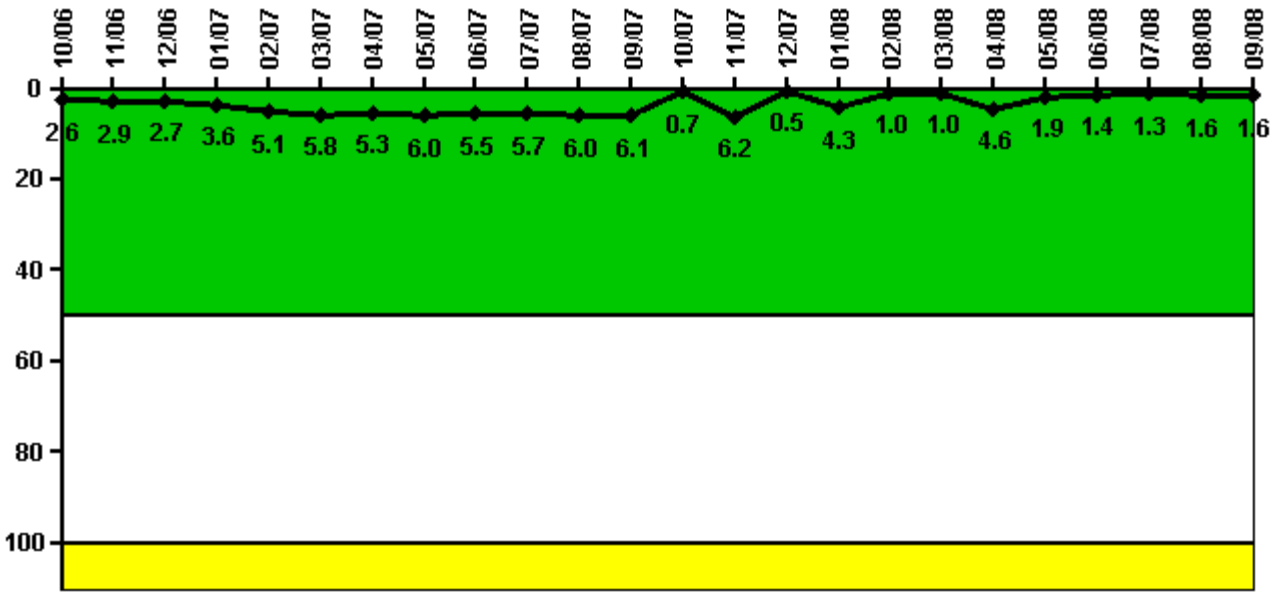
Thresholds: White > 50.0 Yellow > 100.0

### Notes

| Reactor Coolant System Activity | 10/06    | 11/06    | 12/06    | 1/07     | 2/07     | 3/07     | 4/07     | 5/07     | 6/07     | 7/07     | 8/07     | 9/07     |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000191 | 0.000152 | 0.000150 | 0.000148 | 0.000154 | 0.000177 | 0.000228 | 0.000223 | 0.000219 | 0.000216 | 0.000295 | 0.000240 |
| 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        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Reactor Coolant System Activity | 10/07    | 11/07    | 12/07    | 1/08     | 2/08     | 3/08     | 4/08     | 5/08     | 6/08     | 7/08     | 8/08     | 9/08     |
| Maximum activity                | N/A      | 0.000114 | 0.000127 | 0.000120 | 0.000118 | 0.000141 | 0.000138 | 0.000138 | 0.000157 | 0.000161 | 0.000355 | 0.000168 |
| Technical specification limit   | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 0.2      | 0.2      | 0.2      |
| Indicator value                 | N/A      | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0.1      | 0.2      | 0.1      |

Licensee Comments: none

## Reactor Coolant System Leakage



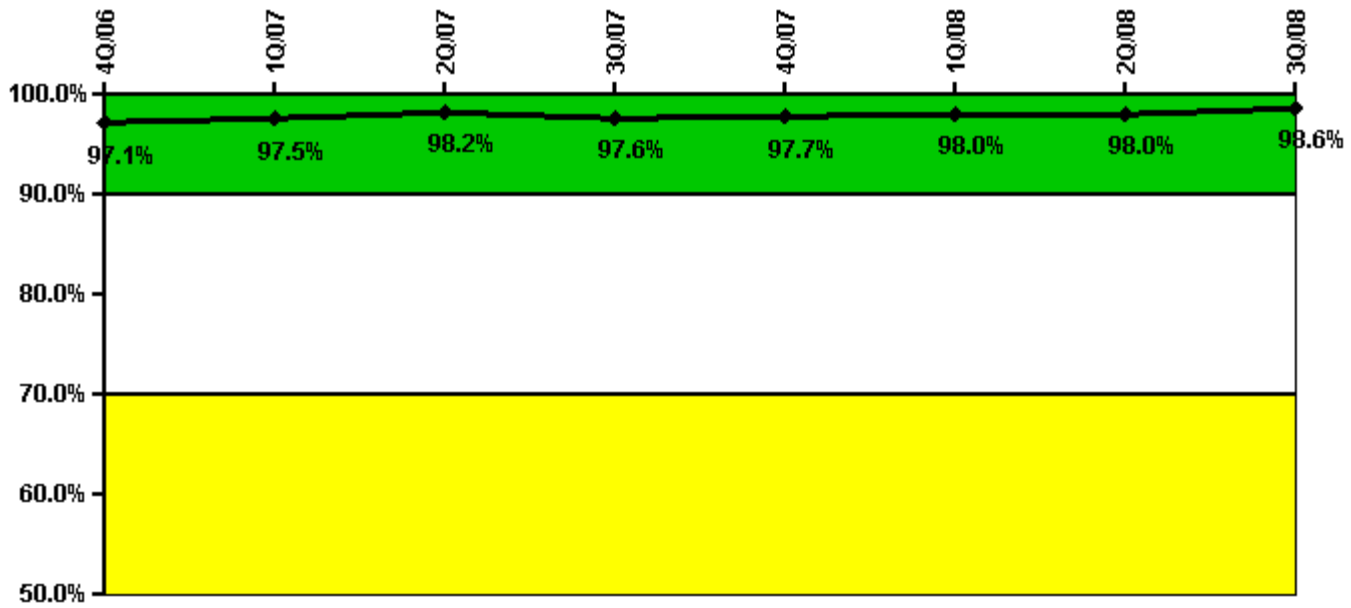
Thresholds: White > 50.0 Yellow > 100.0

### Notes

| Reactor Coolant System Leakage | 10/06 | 11/06 | 12/06 | 1/07  | 2/07  | 3/07  | 4/07  | 5/07  | 6/07  | 7/07  | 8/07  | 9/07  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.289 | 0.323 | 0.299 | 0.391 | 0.560 | 0.638 | 0.586 | 0.656 | 0.603 | 0.626 | 0.657 | 0.673 |
| Technical specification limit  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  |
| Indicator value                | 2.6   | 2.9   | 2.7   | 3.6   | 5.1   | 5.8   | 5.3   | 6.0   | 5.5   | 5.7   | 6.0   | 6.1   |
| Reactor Coolant System Leakage | 10/07 | 11/07 | 12/07 | 1/08  | 2/08  | 3/08  | 4/08  | 5/08  | 6/08  | 7/08  | 8/08  | 9/08  |
| Maximum leakage                | 0.075 | 0.677 | 0.057 | 0.475 | 0.109 | 0.111 | 0.501 | 0.210 | 0.158 | 0.148 | 0.174 | 0.174 |
| Technical specification limit  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  | 11.0  |
| Indicator value                | 0.7   | 6.2   | 0.5   | 4.3   | 1.0   | 1.0   | 4.6   | 1.9   | 1.4   | 1.3   | 1.6   | 1.6   |

Licensee Comments: none

## Drill/Exercise Performance



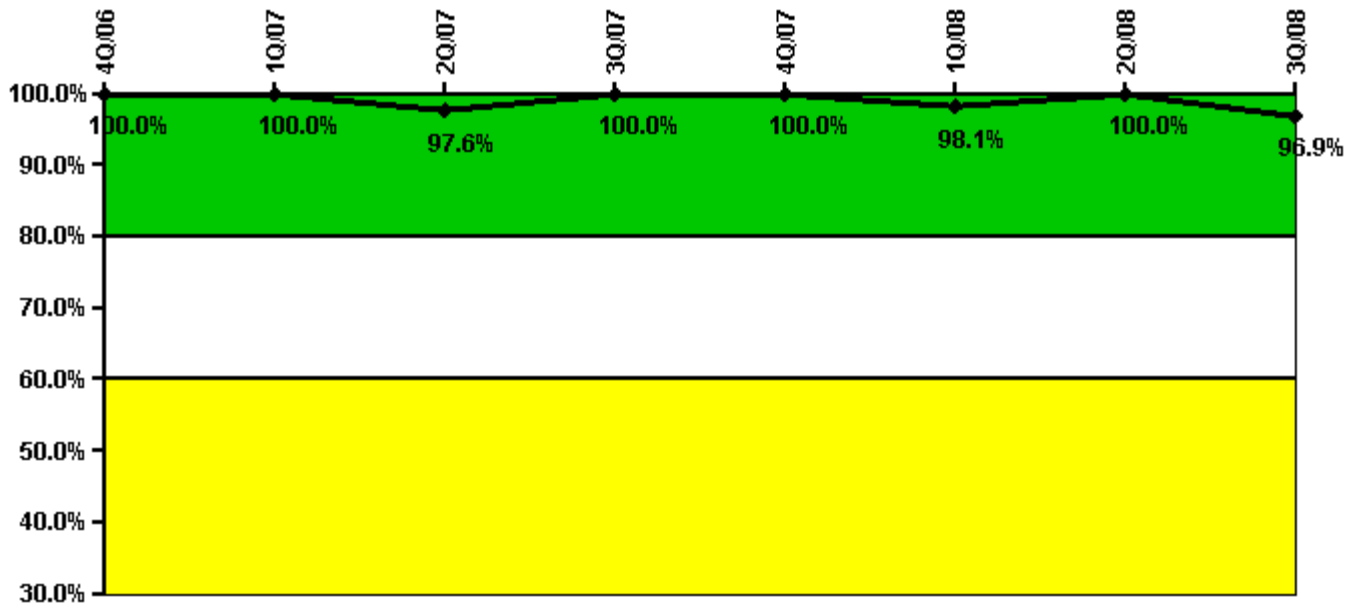
**Thresholds:** White < 90.0% Yellow < 70.0%

### Notes

| Drill/Exercise Performance | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 130.0 | 113.0 | 121.0 | 43.0  | 51.0  | 87.0  | 27.0  | 132.0 |
| Total opportunities        | 130.0 | 114.0 | 121.0 | 50.0  | 51.0  | 89.0  | 27.0  | 132.0 |
|                            |       |       |       |       |       |       |       |       |
| Indicator value            | 97.1% | 97.5% | 98.2% | 97.6% | 97.7% | 98.0% | 98.0% | 98.6% |

Licensee Comments: none

## ERO Drill Participation



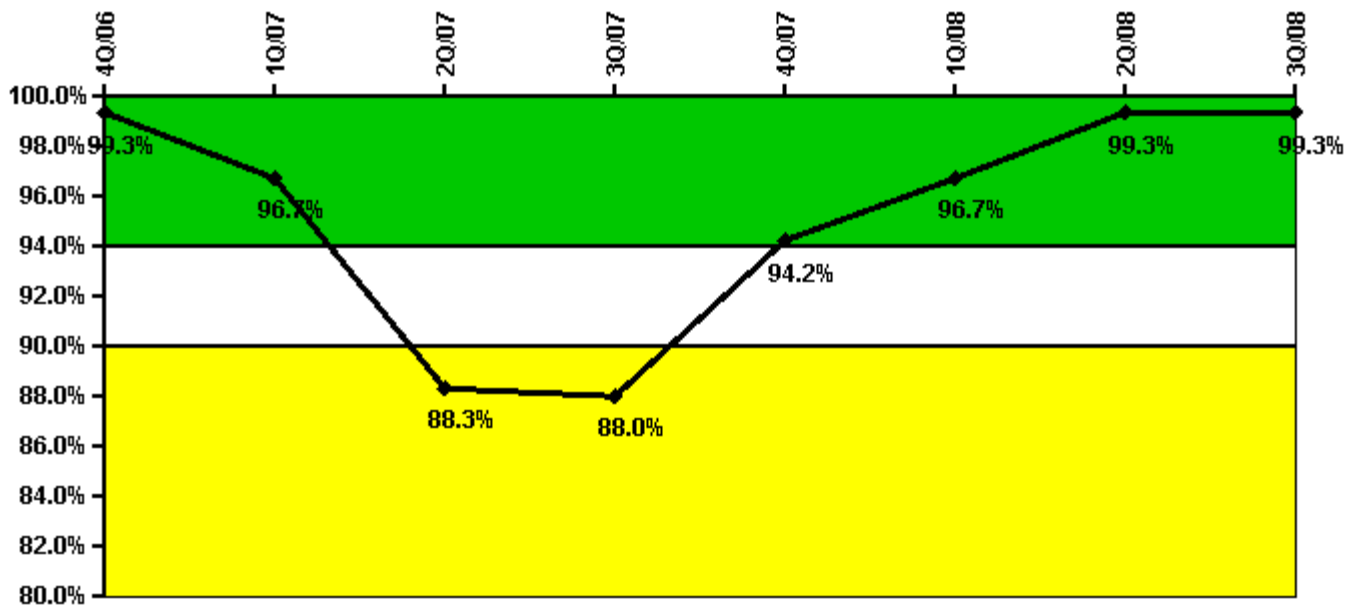
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

| ERO Drill Participation     | 4Q/06  | 1Q/07  | 2Q/07 | 3Q/07  | 4Q/07  | 1Q/08 | 2Q/08  | 3Q/08 |
|-----------------------------|--------|--------|-------|--------|--------|-------|--------|-------|
| Participating Key personnel | 157.0  | 161.0  | 165.0 | 161.0  | 160.0  | 151.0 | 157.0  | 155.0 |
| Total Key personnel         | 157.0  | 161.0  | 169.0 | 161.0  | 160.0  | 154.0 | 157.0  | 160.0 |
| Indicator value             | 100.0% | 100.0% | 97.6% | 100.0% | 100.0% | 98.1% | 100.0% | 96.9% |

Licensee Comments: none

## Alert & Notification System



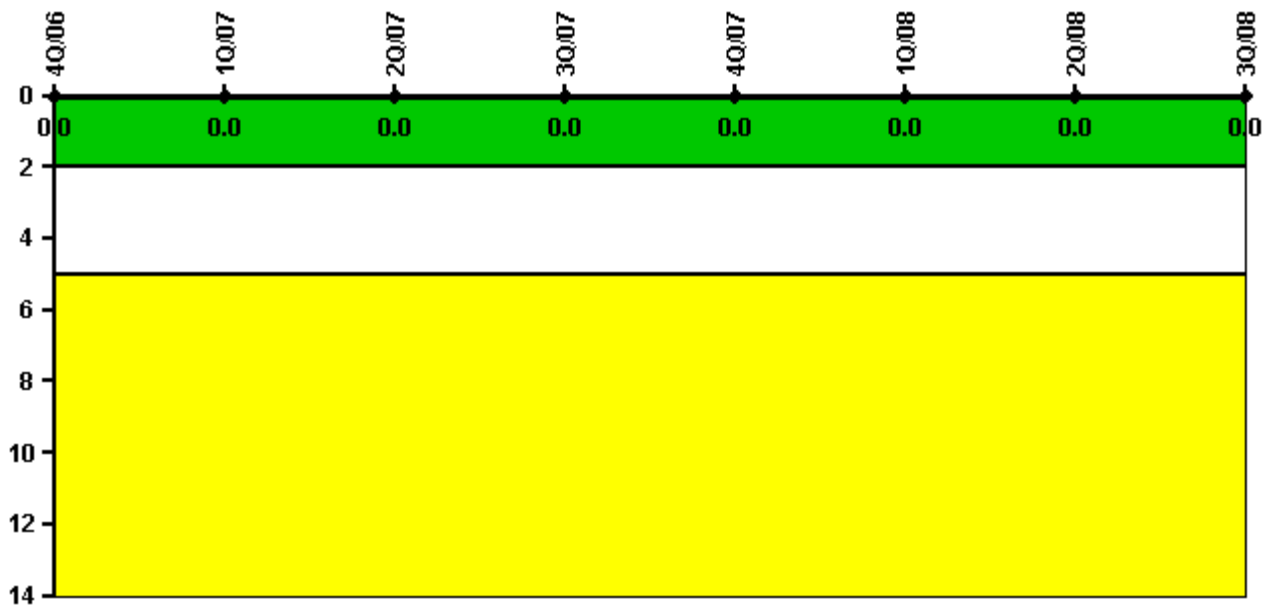
Thresholds: White < 94.0% Yellow < 90.0%

### Notes

| Alert & Notification System | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 194   | 177   | 128   | 197   | 1108  | 1112  | 1112  | 1111  |
| Total sirens-tests          | 198   | 198   | 197   | 198   | 1116  | 1120  | 1119  | 1120  |
| Indicator value             | 99.3% | 96.7% | 88.3% | 88.0% | 94.2% | 96.7% | 99.3% | 99.3% |

Licensee Comments: none

## Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

### Notes

| Occupational Exposure Control Effectiveness | 4Q/06    | 1Q/07    | 2Q/07    | 3Q/07    | 4Q/07    | 1Q/08    | 2Q/08    | 3Q/08    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| RETS/ODCM occurrences           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| Indicator value                 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

Security information not publicly available.