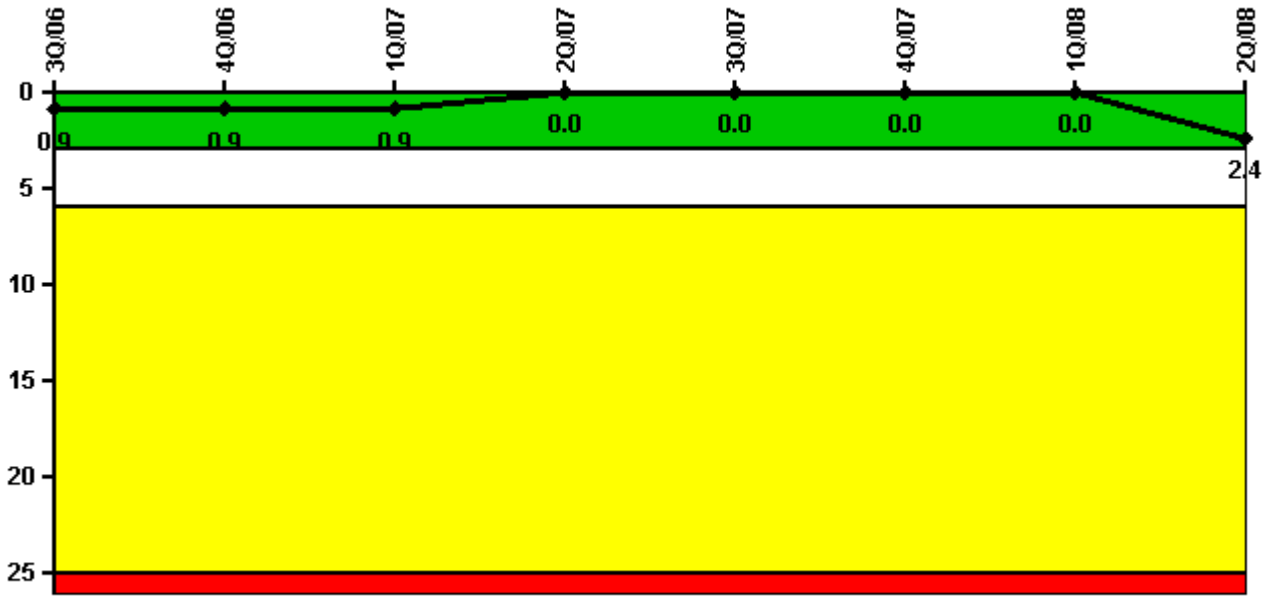


# Saint Lucie 2

## 2Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



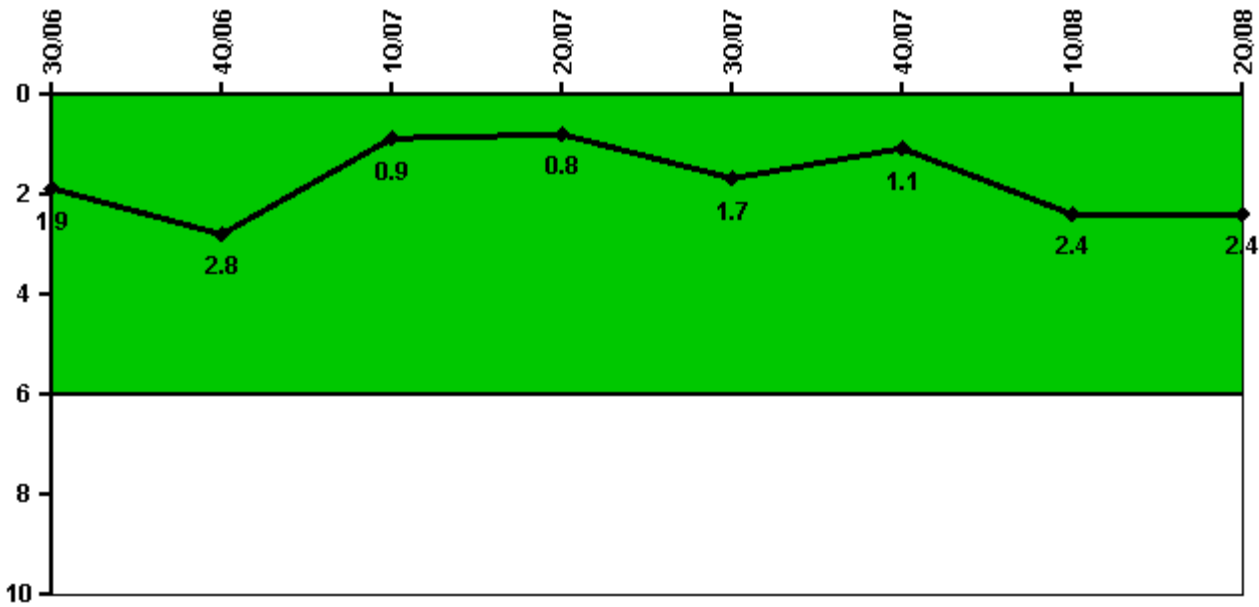
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/06  | 4Q/06  | 1Q/07  | 2Q/07  | 3Q/07  | 4Q/07 | 1Q/08  | 2Q/08  |
|--|--------|--------|--------|--------|--------|-------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 0      | 0      | 0      | 0     | 0      | 2.0    |
| Critical hours                         | 2208.0 | 2209.0 | 2159.0 | 2184.0 | 1903.2 | 0     | 1861.5 | 2112.2 |
| Indicator value                        | 0.9    | 0.9    | 0.9    | 0      | 0      | 0     | 0      | 2.4    |

Licensee Comments: none

# Unplanned Power Changes per 7000 Critical Hrs



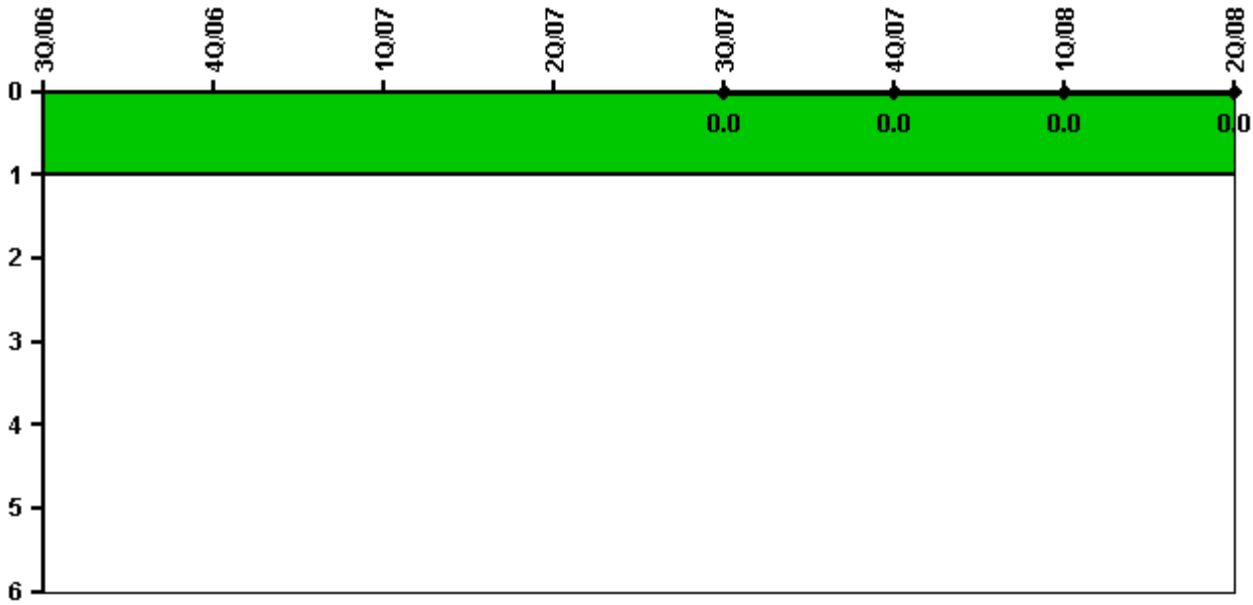
Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/06  | 4Q/06  | 1Q/07  | 2Q/07  | 3Q/07  | 4Q/07 | 1Q/08  | 2Q/08  |
|---|--------|--------|--------|--------|--------|-------|--------|--------|
| Unplanned power changes                       | 0      | 1.0    | 0      | 0      | 1.0    | 0     | 1.0    | 0      |
| Critical hours                                | 2208.0 | 2209.0 | 2159.0 | 2184.0 | 1903.2 | 0     | 1861.5 | 2112.2 |
| Indicator value                               | 1.9    | 2.8    | 0.9    | 0.8    | 1.7    | 1.1   | 2.4    | 2.4    |

Licensee Comments: none

# Unplanned Scrams with Complications



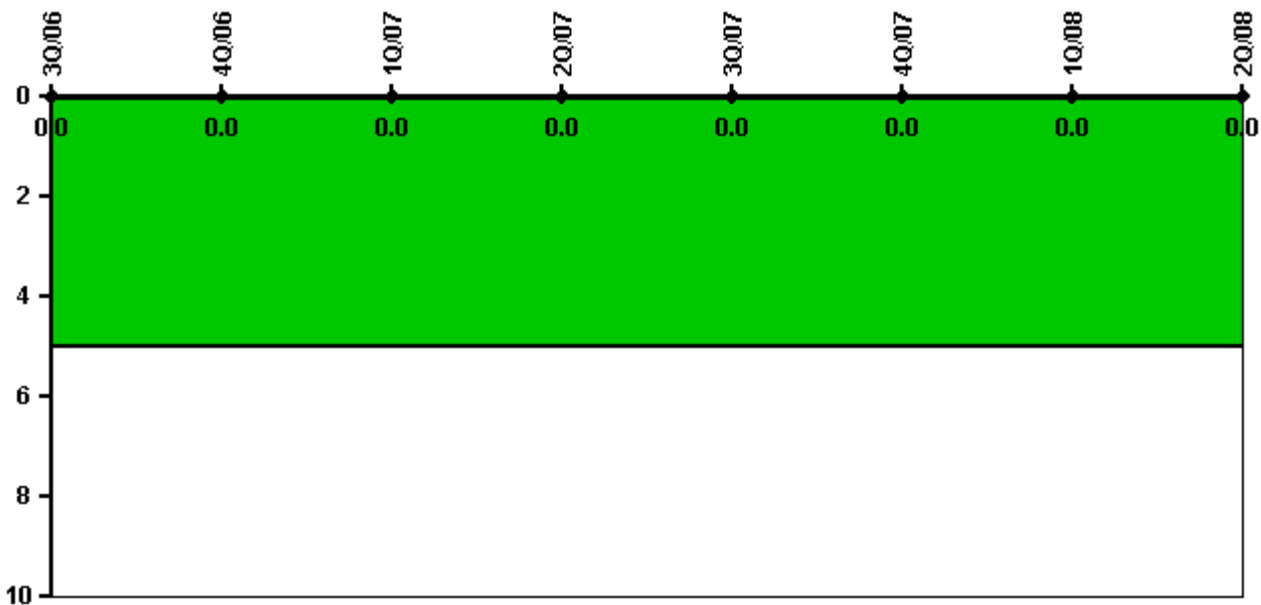
Thresholds: White > 1.0

## Notes

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

Licensee Comments: none

# Safety System Functional Failures (PWR)



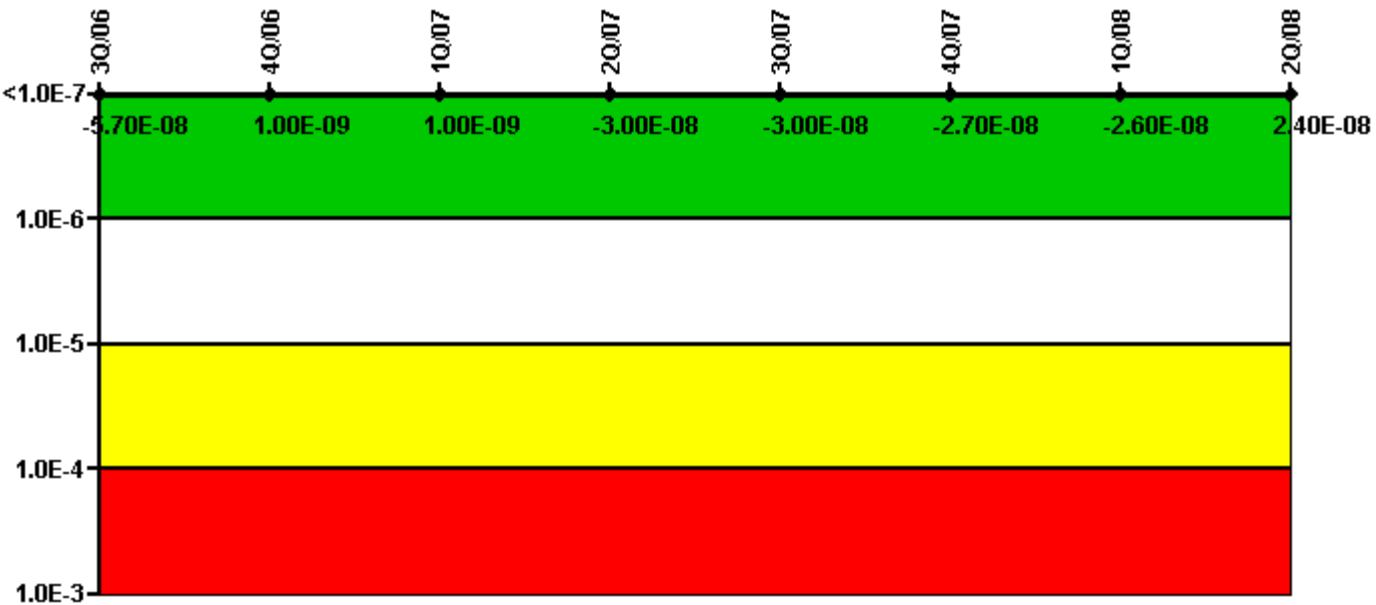
Thresholds: White > 5.0

## Notes

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

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



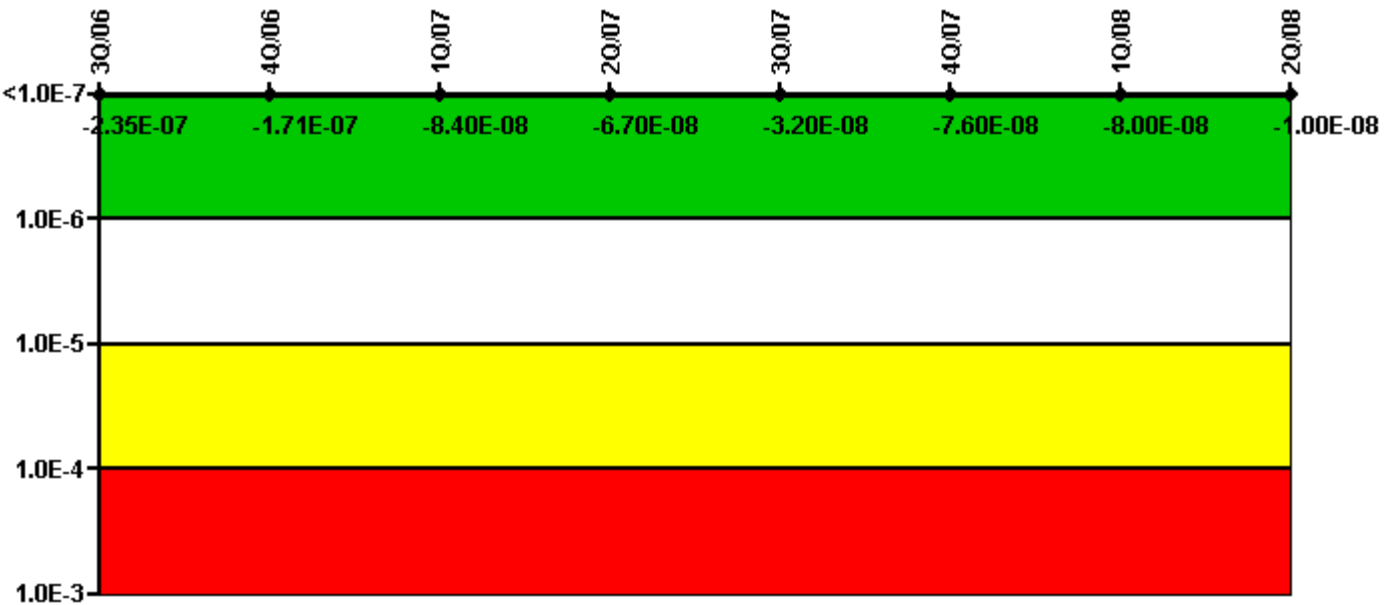
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 3Q/06     | 4Q/06     | 1Q/07     | 2Q/07     | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)   | 5.30E-08  | 4.70E-08  | 4.70E-08  | 2.90E-08  | 2.90E-08  | 3.20E-08  | 3.30E-08  | 5.50E-08  |
| URI ( $\Delta$ CDF)   | -1.10E-07 | -4.60E-08 | -4.60E-08 | -5.90E-08 | -5.90E-08 | -5.90E-08 | -5.90E-08 | -3.10E-08 |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | -5.70E-08 | 1.00E-09  | 1.00E-09  | -3.00E-08 | -3.00E-08 | -2.70E-08 | -2.60E-08 | 2.40E-08  |

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



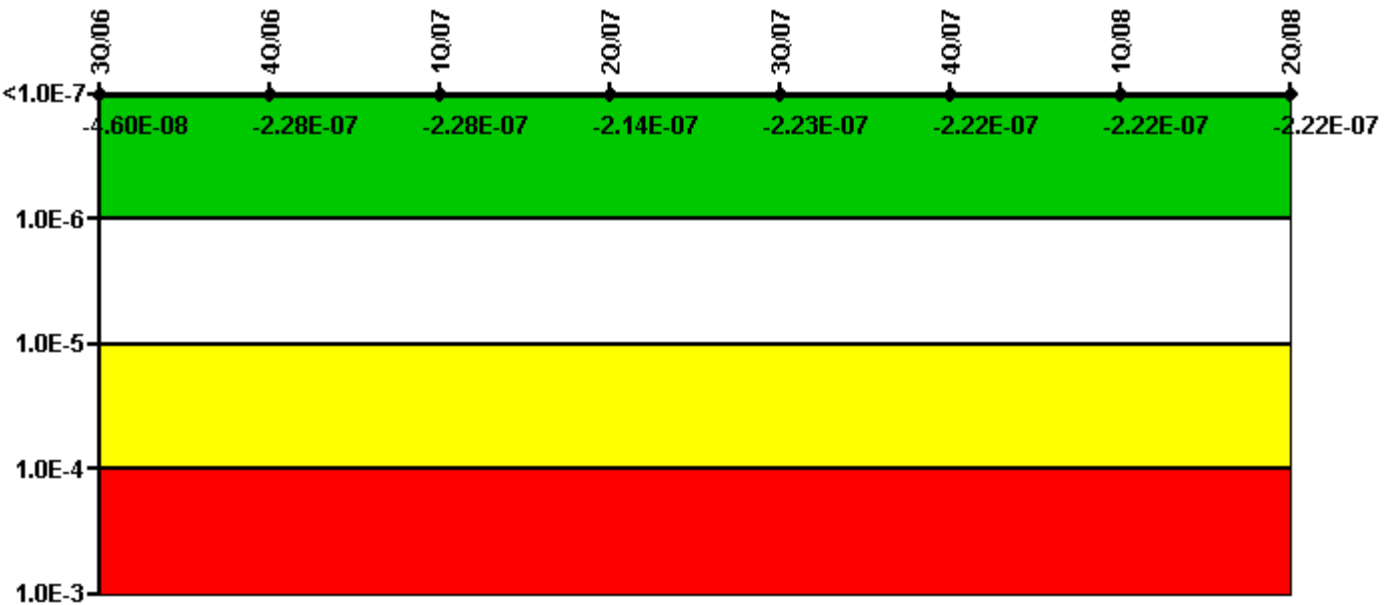
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 3Q/06     | 4Q/06     | 1Q/07     | 2Q/07     | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  | 1.50E-08  | 8.60E-09  | 9.60E-08  | 6.30E-08  | 9.80E-08  | 5.40E-08  | 5.00E-08  | 1.20E-07  |
| URI ( $\Delta$ CDF)  | -2.50E-07 | -1.80E-07 | -1.80E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 |
| PLE  | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value  | -2.35E-07 | -1.71E-07 | -8.40E-08 | -6.70E-08 | -3.20E-08 | -7.60E-08 | -8.00E-08 | -1.00E-08 |

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



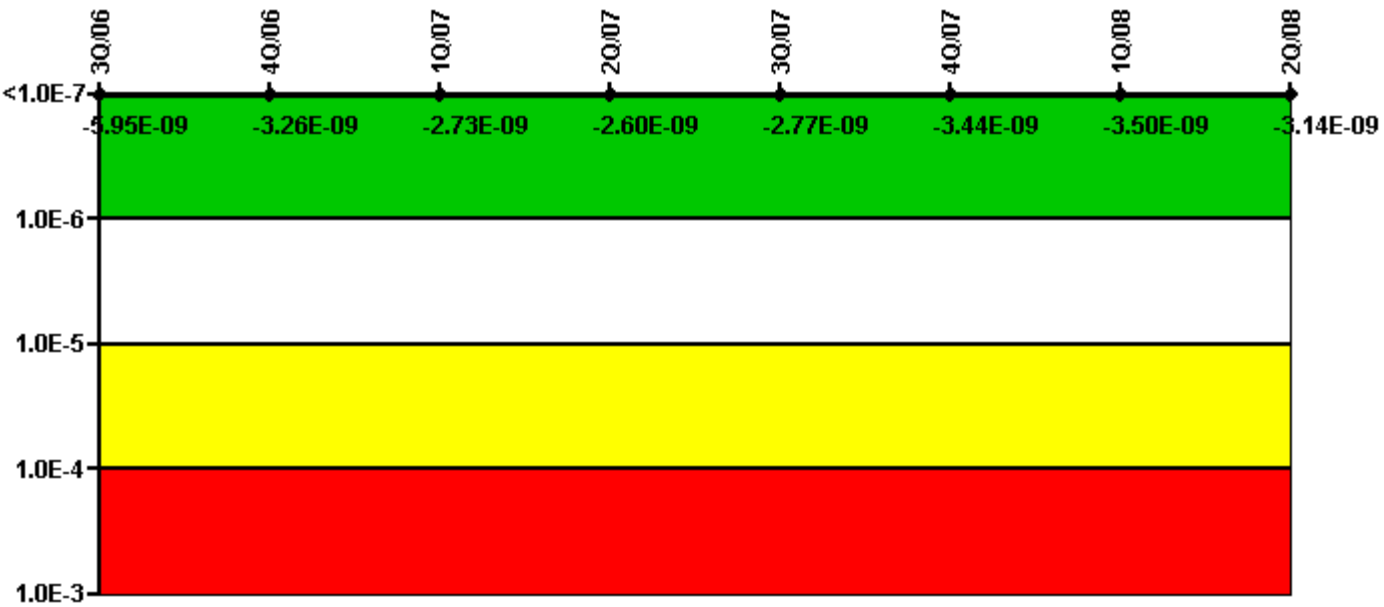
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Heat Removal System | 3Q/06     | 4Q/06     | 1Q/07     | 2Q/07     | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)                                       | 8.40E-08  | -3.80E-08 | -3.80E-08 | -3.40E-08 | -4.30E-08 | -4.20E-08 | -4.20E-08 | -4.20E-08 |
| URI ( $\Delta$ CDF)                                       | -1.30E-07 | -1.90E-07 | -1.90E-07 | -1.80E-07 | -1.80E-07 | -1.80E-07 | -1.80E-07 | -1.80E-07 |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | -4.60E-08 | -2.28E-07 | -2.28E-07 | -2.14E-07 | -2.23E-07 | -2.22E-07 | -2.22E-07 | -2.22E-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

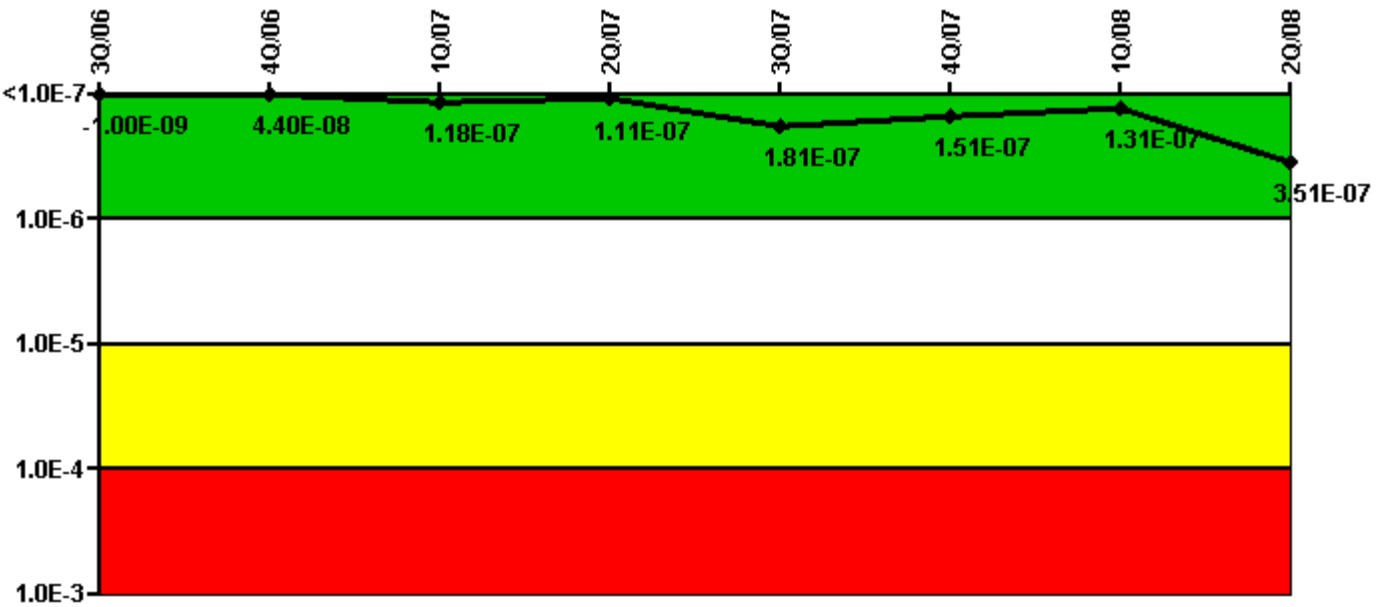
## Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 3Q/06     | 4Q/06     | 1Q/07     | 2Q/07     | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  | 2.50E-10  | 1.40E-10  | 6.70E-10  | 6.00E-10  | 4.30E-10  | -2.40E-10 | -3.00E-10 | 6.40E-11  |
| URI ( $\Delta$ CDF)  | -6.20E-09 | -3.40E-09 | -3.40E-09 | -3.20E-09 | -3.20E-09 | -3.20E-09 | -3.20E-09 | -3.20E-09 |
| PLE  | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value  | -5.95E-09 | -3.26E-09 | -2.73E-09 | -2.60E-09 | -2.77E-09 | -3.44E-09 | -3.50E-09 | -3.14E-09 |

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



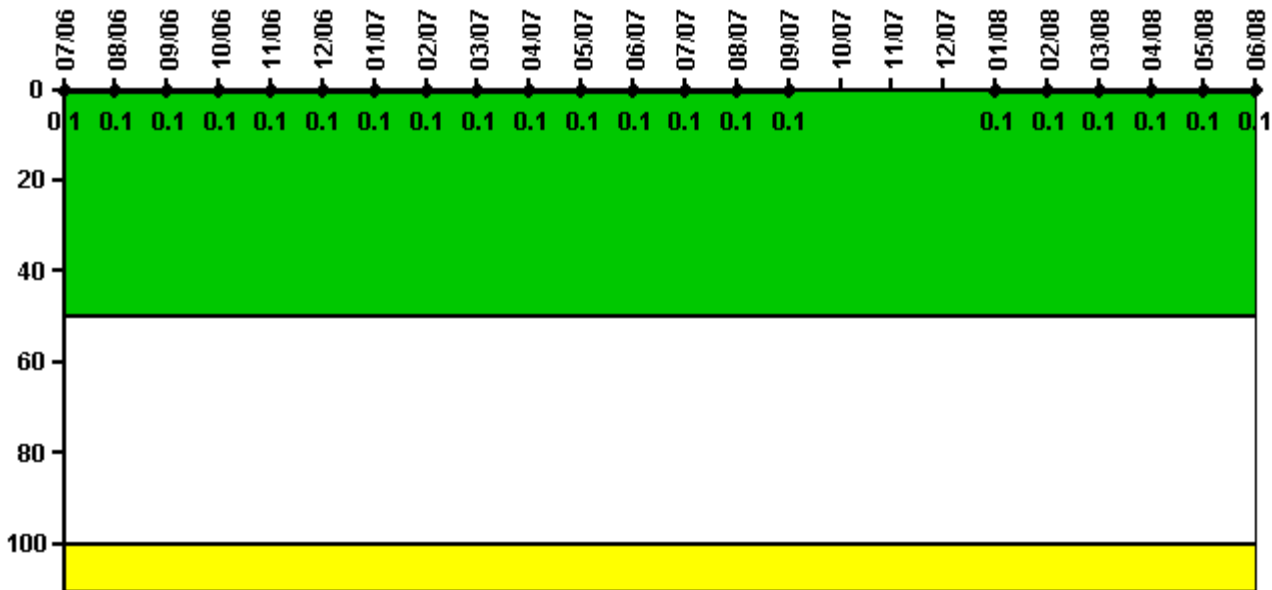
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/06     | 4Q/06     | 1Q/07     | 2Q/07     | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF)  | 1.80E-08  | 5.60E-08  | 1.30E-07  | 1.20E-07  | 1.90E-07  | 1.60E-07  | 1.40E-07  | 3.60E-07  |
| URI (ΔCDF)  | -1.90E-08 | -1.20E-08 | -1.20E-08 | -9.00E-09 | -9.00E-09 | -9.00E-09 | -9.00E-09 | -9.00E-09 |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | -1.00E-09 | 4.40E-08  | 1.18E-07  | 1.11E-07  | 1.81E-07  | 1.51E-07  | 1.31E-07  | 3.51E-07  |

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

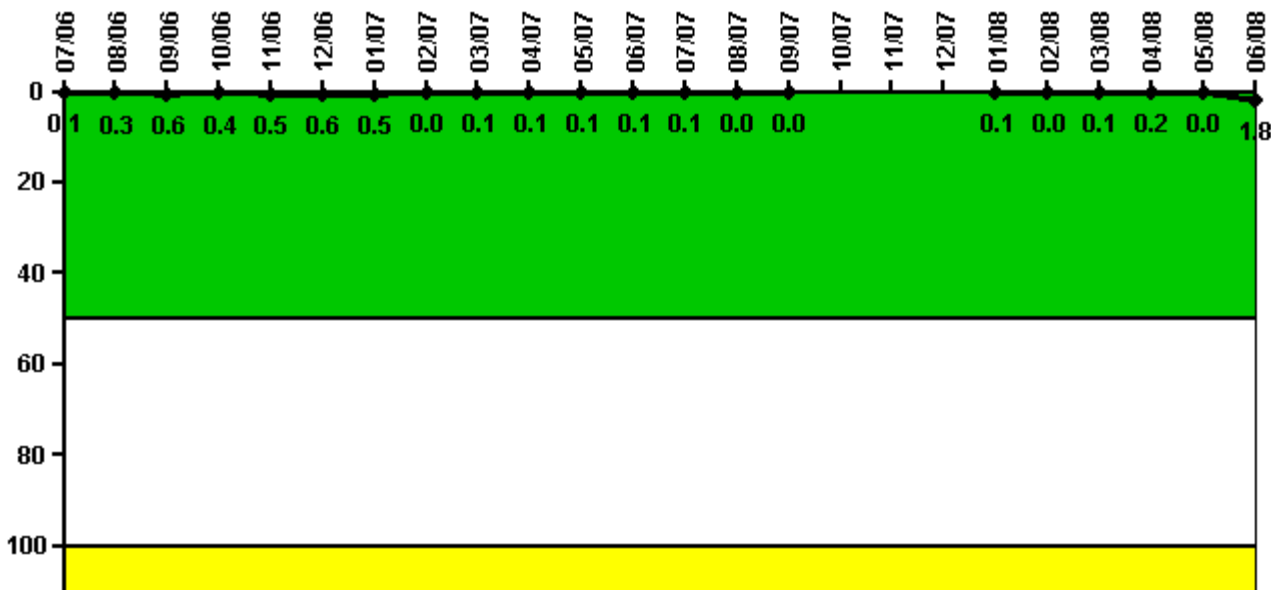
| Reactor Coolant System Activity | 7/06     | 8/06     | 9/06     | 10/06    | 11/06    | 12/06    | 1/07     | 2/07     | 3/07     | 4/07     | 5/07     | 6/07     |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000639 | 0.000702 | 0.000690 | 0.000770 | 0.000773 | 0.000720 | 0.000772 | 0.001400 | 0.000814 | 0.000770 | 0.000821 | 0.000859 |
| 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                 | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      |

| Reactor Coolant System Activity | 7/07     | 8/07     | 9/07     | 10/07 | 11/07 | 12/07 | 1/08     | 2/08     | 3/08     | 4/08     | 5/08     | 6/08     |
|---------------------------------|----------|----------|----------|-------|-------|-------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000920 | 0.000906 | 0.000956 | N/A   | N/A   | N/A   | 0.000618 | 0.000533 | 0.000586 | 0.000550 | 0.000604 | 0.000605 |
| 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                 | 0.1      | 0.1      | 0.1      | N/A   | N/A   | N/A   | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      |

Licensee Comments: none

# Reactor Coolant System Leakage



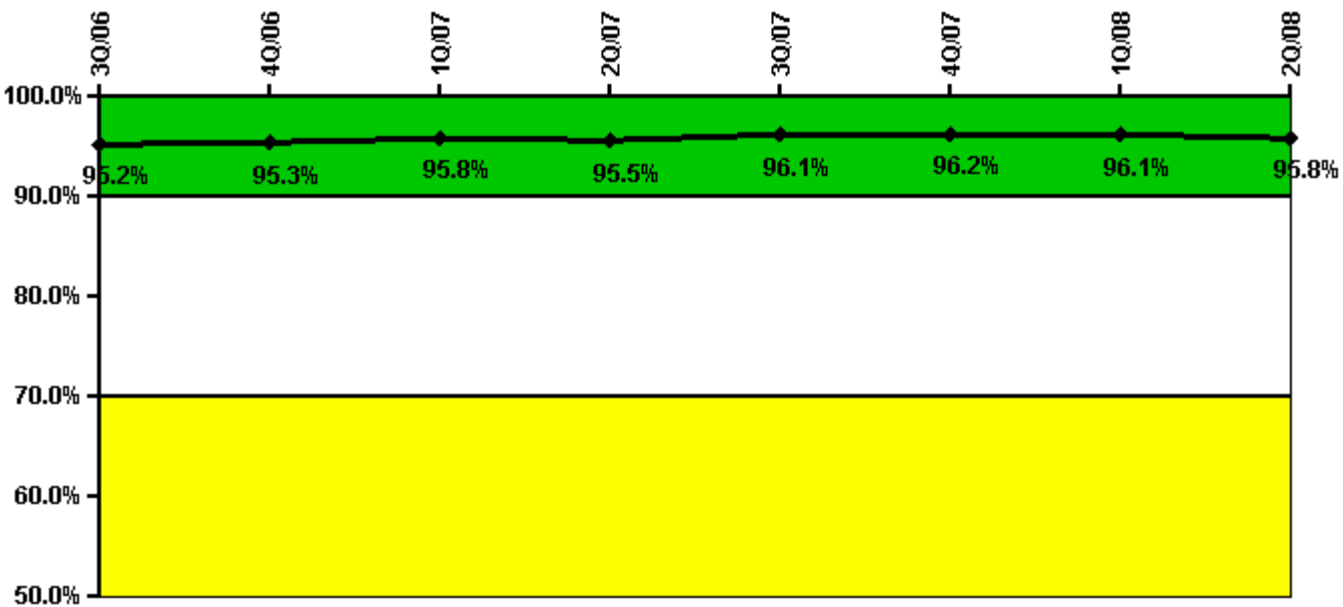
Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Leakage | 7/06  | 8/06  | 9/06  | 10/06 | 11/06 | 12/06 | 1/07  | 2/07  | 3/07  | 4/07  | 5/07  | 6/07  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.010 | 0.030 | 0.060 | 0.039 | 0.050 | 0.060 | 0.054 | 0.003 | 0.005 | 0.005 | 0.005 | 0.008 |
| 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                | 0.1   | 0.3   | 0.6   | 0.4   | 0.5   | 0.6   | 0.5   | 0     | 0.1   | 0.1   | 0.1   | 0.1   |
| Reactor Coolant System Leakage | 7/07  | 8/07  | 9/07  | 10/07 | 11/07 | 12/07 | 1/08  | 2/08  | 3/08  | 4/08  | 5/08  | 6/08  |
| Maximum leakage                | 0.005 | 0     | 0     | N/A   | N/A   | N/A   | 0.008 | 0     | 0.009 | 0.020 | 0.002 | 0.180 |
| 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                | 0.1   | 0     | 0     | N/A   | N/A   | N/A   | 0.1   | 0     | 0.1   | 0.2   | 0     | 1.8   |

Licensee Comments: none

# Drill/Exercise Performance



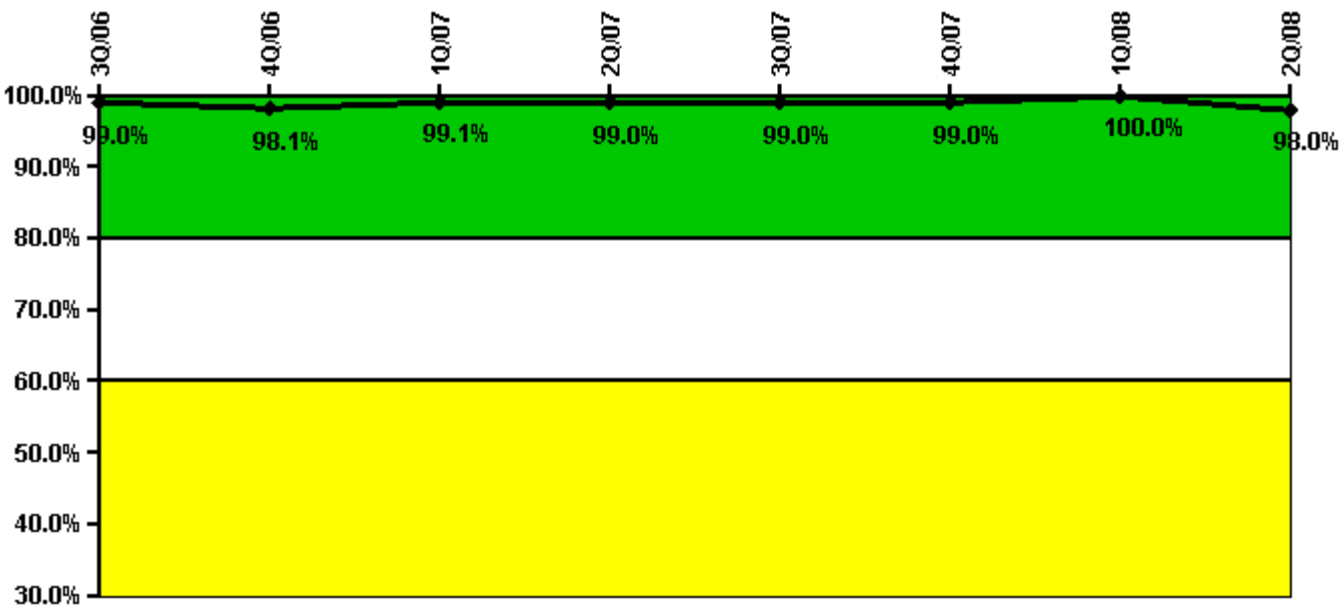
Thresholds: White < 90.0% Yellow < 70.0%

## Notes

| Drill/Exercise Performance | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 71.0  | 78.0  | 113.0 | 38.0  | 88.0  | 2.0   | 68.0  | 48.0  |
| Total opportunities        | 78.0  | 80.0  | 116.0 | 39.0  | 90.0  | 2.0   | 72.0  | 51.0  |
|                            |       |       |       |       |       |       |       |       |
| Indicator value            | 95.2% | 95.3% | 95.8% | 95.5% | 96.1% | 96.2% | 96.1% | 95.8% |

Licensee Comments: none

# ERO Drill Participation



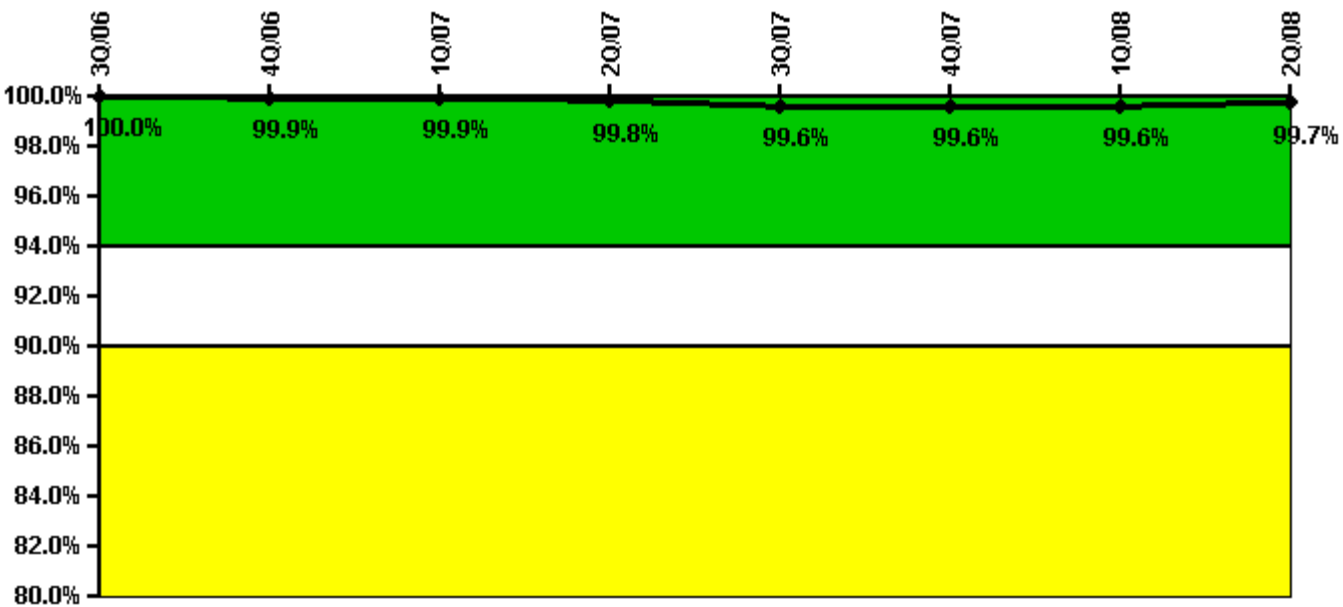
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation     | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08  | 2Q/08 |
|-----------------------------|-------|-------|-------|-------|-------|-------|--------|-------|
| Participating Key personnel | 98.0  | 104.0 | 106.0 | 101.0 | 98.0  | 97.0  | 101.0  | 96.0  |
| Total Key personnel         | 99.0  | 106.0 | 107.0 | 102.0 | 99.0  | 98.0  | 101.0  | 98.0  |
|                             |       |       |       |       |       |       |        |       |
| Indicator value             | 99.0% | 98.1% | 99.1% | 99.0% | 99.0% | 99.0% | 100.0% | 98.0% |

Licensee Comments: none

# Alert & Notification System



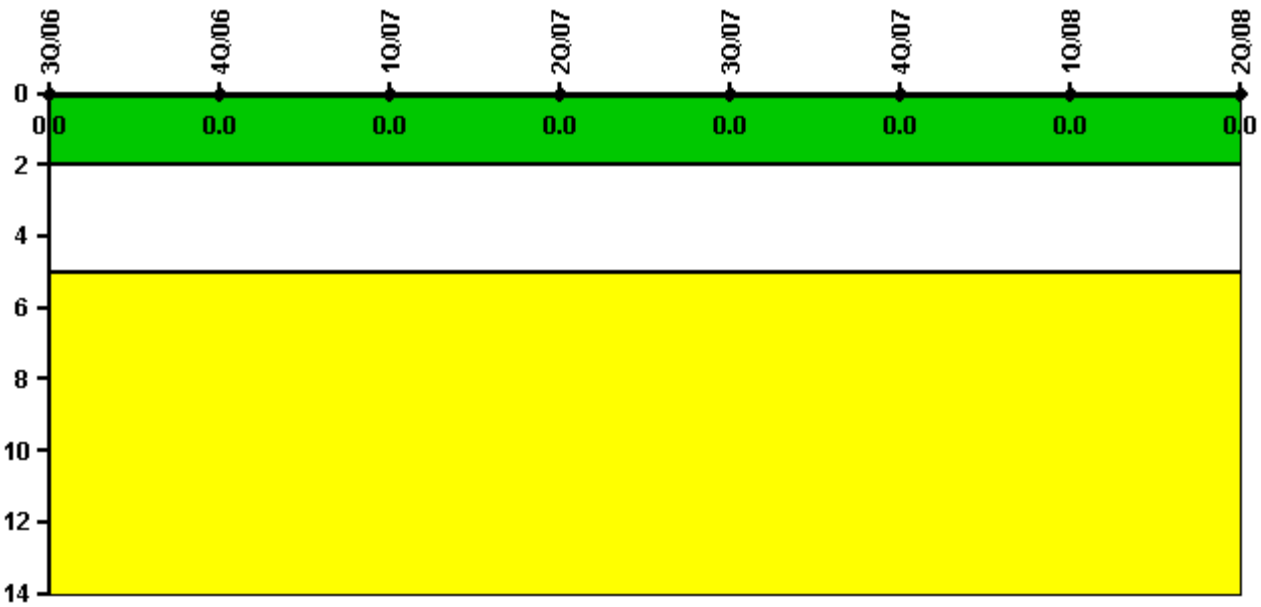
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

| Alert & Notification System | 3Q/06  | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|-----------------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 630    | 629   | 719   | 627   | 714   | 719   | 629   | 719   |
| Total sirens-tests          | 630    | 630   | 720   | 630   | 720   | 720   | 630   | 720   |
| Indicator value             | 100.0% | 99.9% | 99.9% | 99.8% | 99.6% | 99.6% | 99.6% | 99.7% |

Licensee Comments: none

# Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

## Notes

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

Licensee Comments: none

# RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

## Notes

| RETS/ODCM Radiological Effluent | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/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

[Physical Protection](#) information not publicly available.

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

Last Modified: August 4, 2008