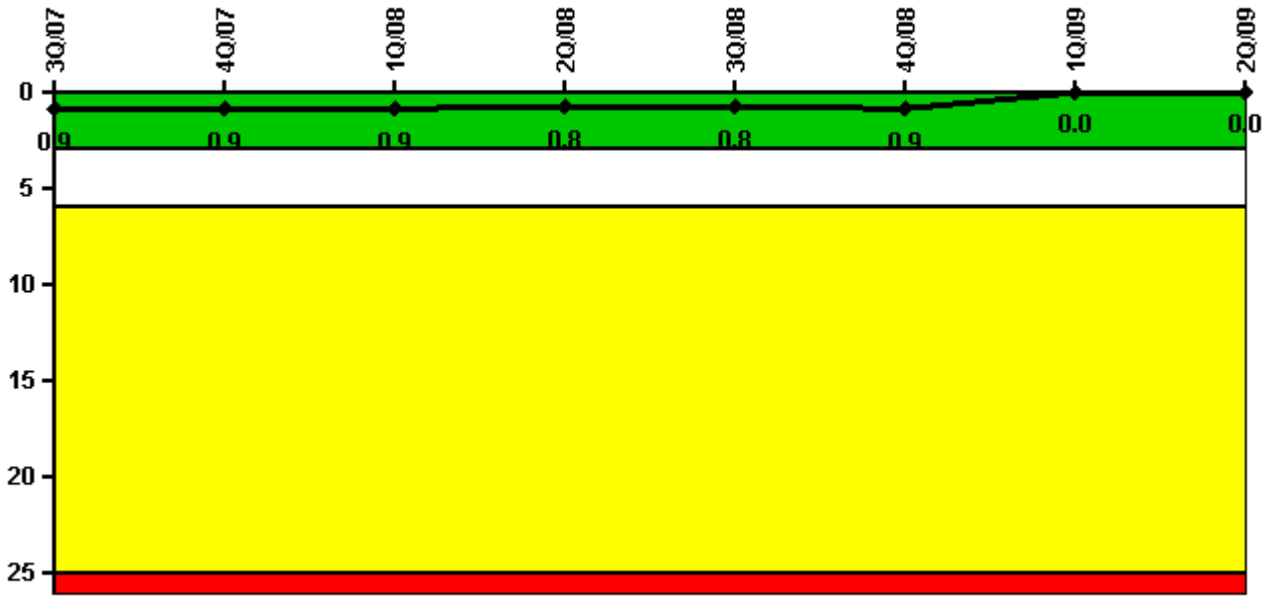


# Oconee 2

## 2Q/2009 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



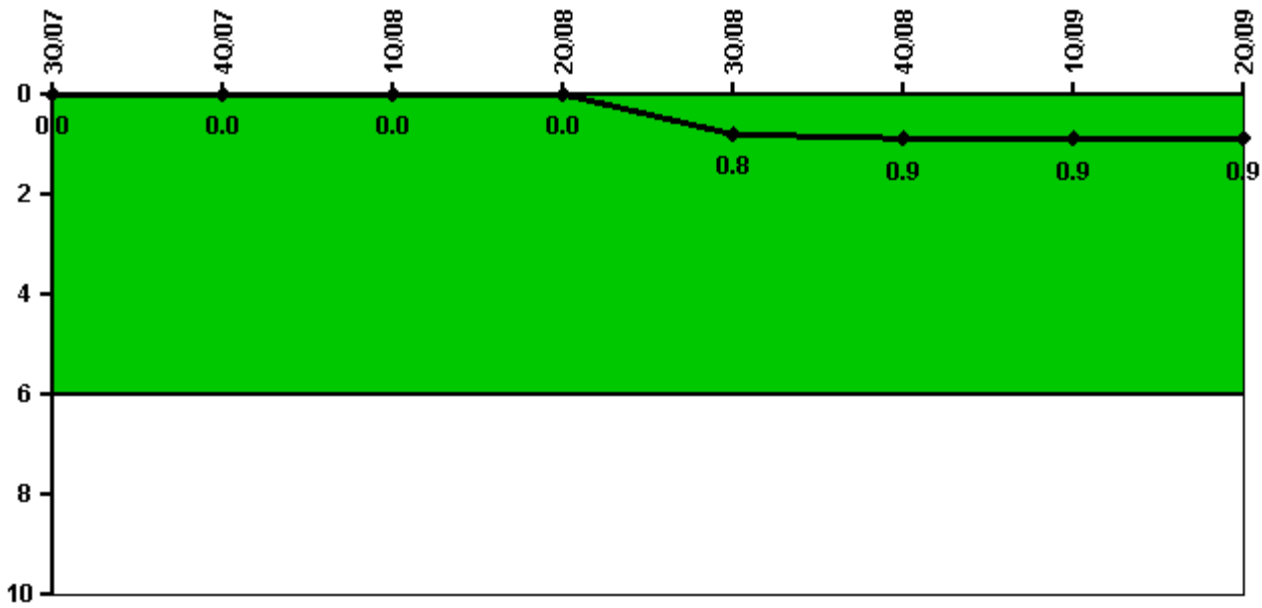
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/07  | 4Q/07  | 1Q/08  | 2Q/08  | 3Q/08  | 4Q/08  | 1Q/09  | 2Q/09  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 1.0    | 0      | 0      | 0      | 0      | 0      |
| Critical hours                         | 2208.0 | 2209.0 | 2172.9 | 2157.2 | 2208.0 | 1075.8 | 2159.0 | 2184.0 |
| Indicator value                        | 0.9    | 0.9    | 0.9    | 0.8    | 0.8    | 0.9    | 0      | 0      |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



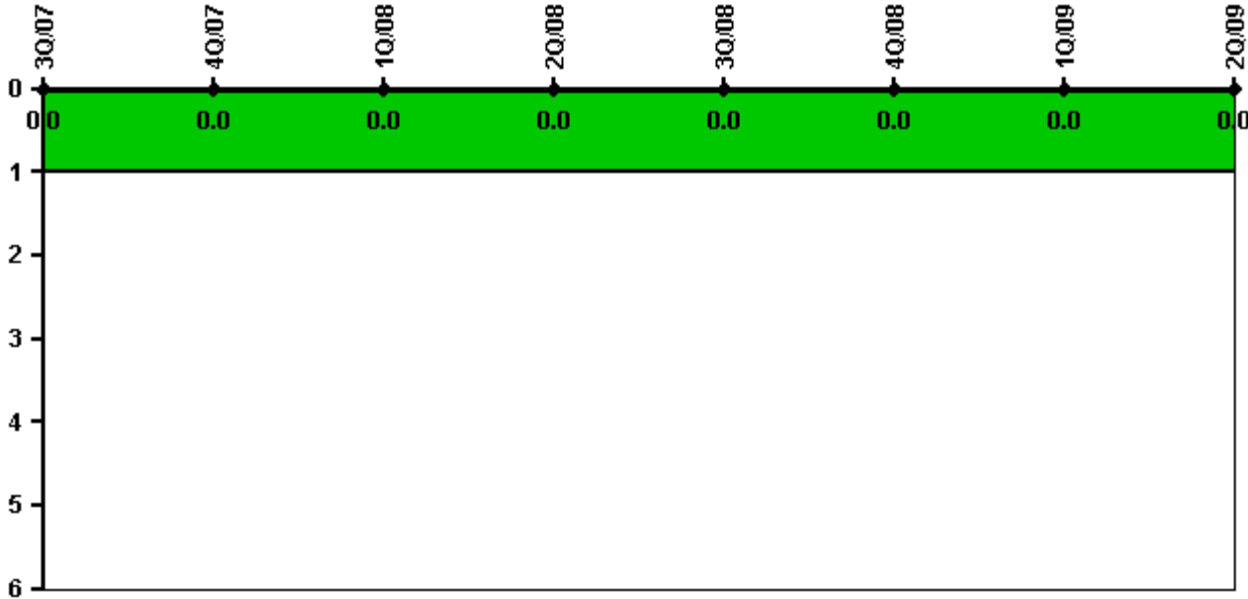
Thresholds: White > 6.0

### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/07  | 4Q/07  | 1Q/08  | 2Q/08  | 3Q/08  | 4Q/08  | 1Q/09  | 2Q/09  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 0      | 0      | 0      | 0      | 1.0    | 0      | 0      | 0      |
| Critical hours                                | 2208.0 | 2209.0 | 2172.9 | 2157.2 | 2208.0 | 1075.8 | 2159.0 | 2184.0 |
| Indicator value                               | 0      | 0      | 0      | 0      | 0.8    | 0.9    | 0.9    | 0.9    |

Licensee Comments: none

# Unplanned Scrams with Complications



Thresholds: White > 1.0

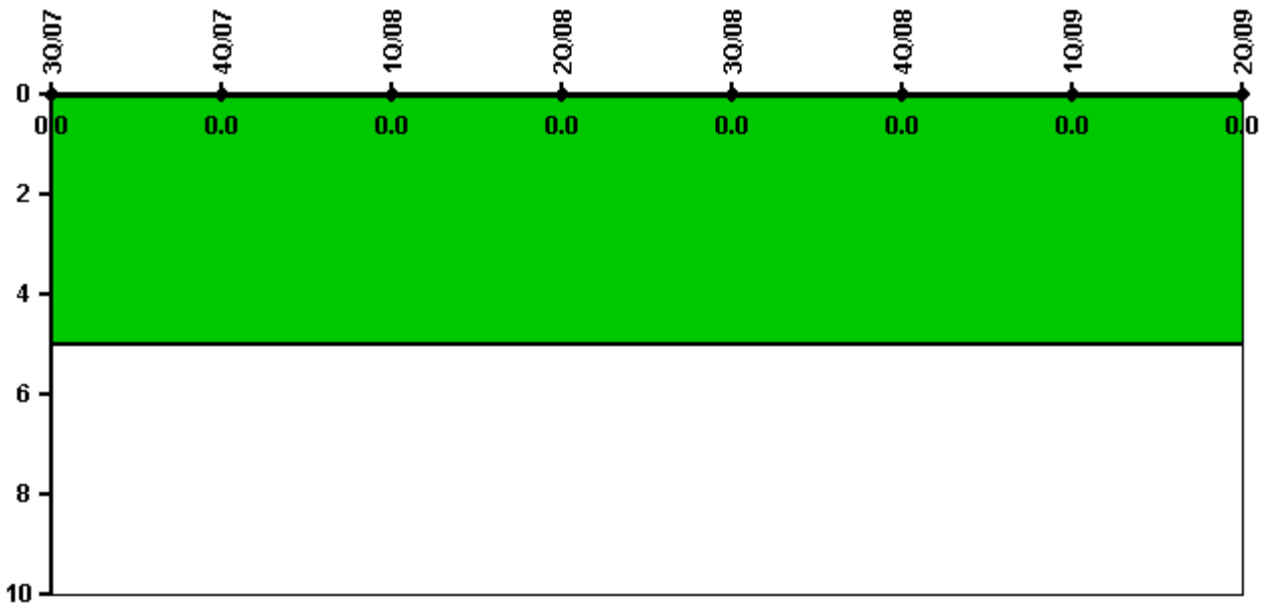
**Notes**

| Unplanned Scrams with Complications | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams with complications           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|                                     |       |       |       |       |       |       |       |       |
| Indicator value                     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

Licensee Comments: none

---

## Safety System Functional Failures (PWR)



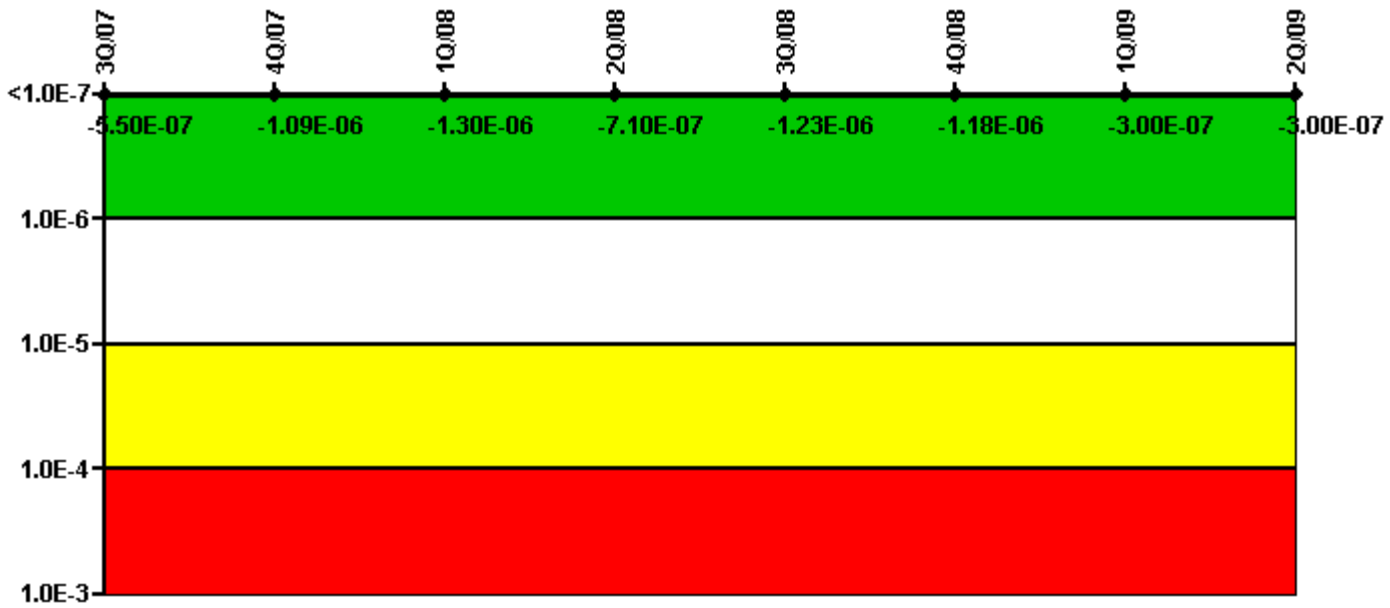
Thresholds: White > 5.0

### Notes

| Safety System Functional Failures (PWR) | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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



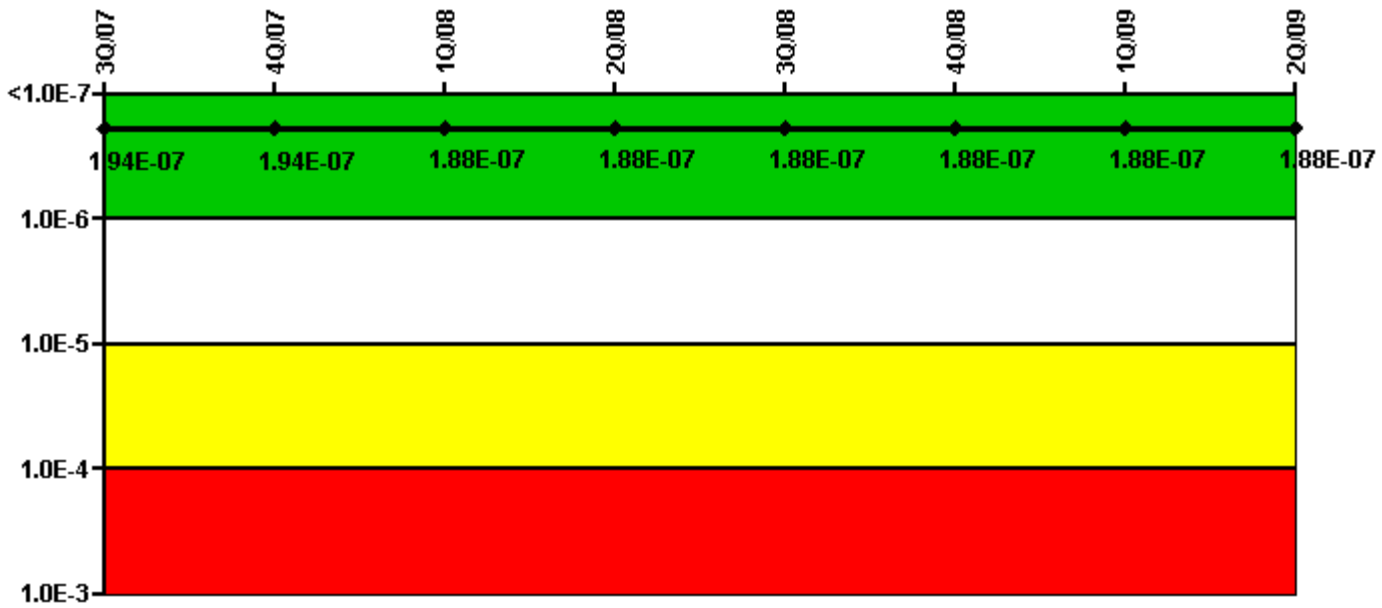
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     | 3Q/08     | 4Q/08     | 1Q/09     | 2Q/09     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)   | 6.50E-07  | 5.10E-07  | 1.00E-07  | 6.90E-07  | 7.70E-07  | 8.20E-07  | 1.70E-06  | 1.70E-06  |
| URI ( $\Delta$ CDF)   | -1.20E-06 | -1.60E-06 | -1.40E-06 | -1.40E-06 | -2.00E-06 | -2.00E-06 | -2.00E-06 | -2.00E-06 |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | -5.50E-07 | -1.09E-06 | -1.30E-06 | -7.10E-07 | -1.23E-06 | -1.18E-06 | -3.00E-07 | -3.00E-07 |

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



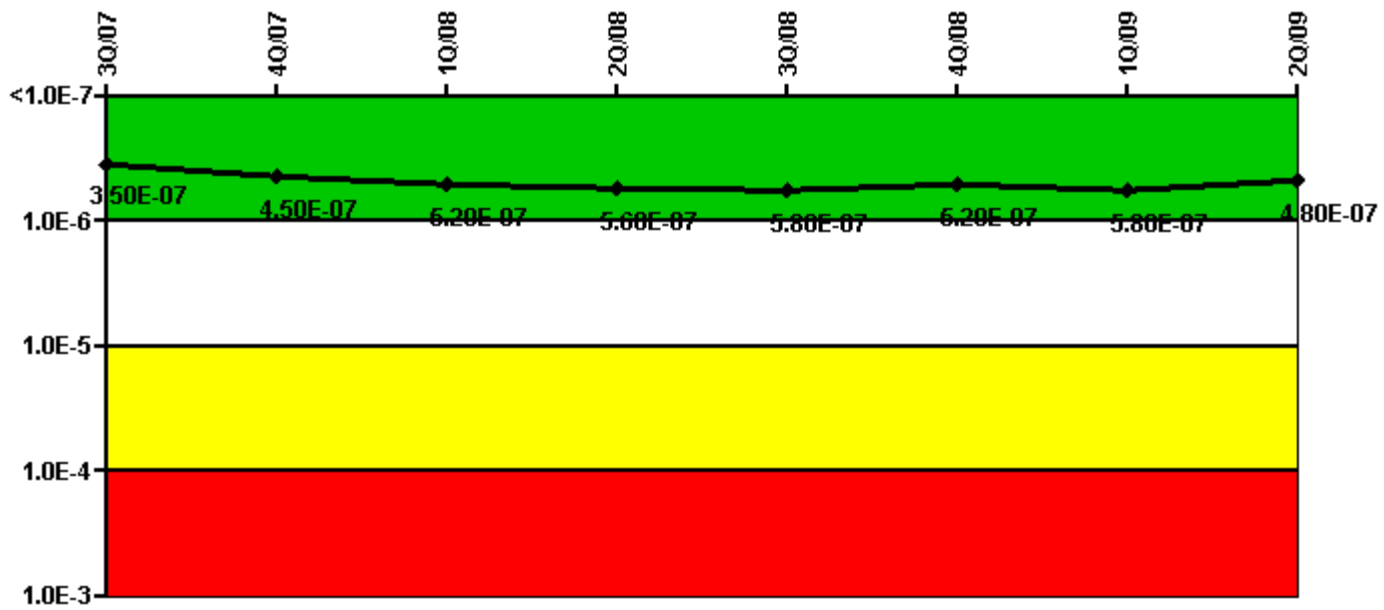
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     | 3Q/08     | 4Q/08     | 1Q/09     | 2Q/09     |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  | -5.60E-08 | -5.60E-08 | -6.20E-08 | -6.20E-08 | -6.20E-08 | -6.20E-08 | -6.20E-08 | -6.20E-08 |
| URI ( $\Delta$ CDF)  | 2.50E-07  | 2.50E-07  | 2.50E-07  | 2.50E-07  | 2.50E-07  | 2.50E-07  | 2.50E-07  | 2.50E-07  |
| PLE  | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value  | 1.94E-07  | 1.94E-07  | 1.88E-07  | 1.88E-07  | 1.88E-07  | 1.88E-07  | 1.88E-07  | 1.88E-07  |

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



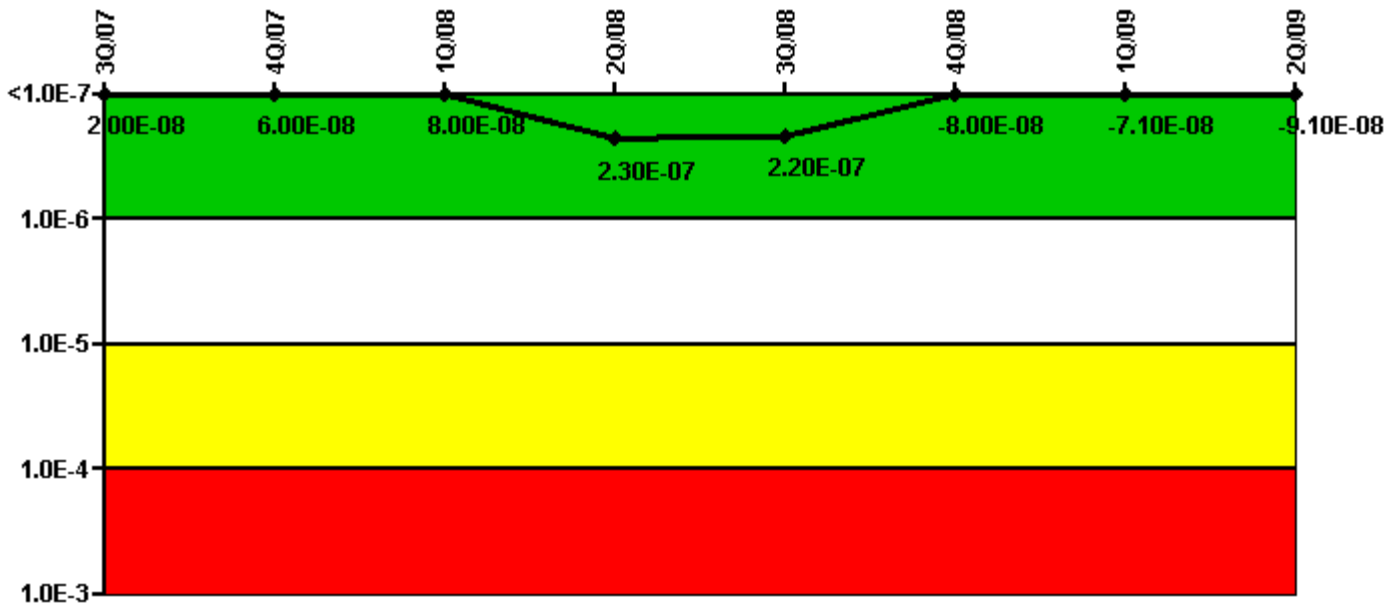
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Heat Removal System | 3Q/07    | 4Q/07    | 1Q/08    | 2Q/08    | 3Q/08    | 4Q/08    | 1Q/09    | 2Q/09    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| UAI ( $\Delta$ CDF)                                       | 1.90E-07 | 2.90E-07 | 3.60E-07 | 4.00E-07 | 4.20E-07 | 4.20E-07 | 4.80E-07 | 3.80E-07 |
| URI ( $\Delta$ CDF)                                       | 1.60E-07 | 1.60E-07 | 1.60E-07 | 1.60E-07 | 1.60E-07 | 1.00E-07 | 1.00E-07 | 1.00E-07 |
| PLE   | NO       | NO       | NO       | NO       | NO       | NO       | NO       | NO       |
| Indicator value   | 3.50E-07 | 4.50E-07 | 5.20E-07 | 5.60E-07 | 5.80E-07 | 5.20E-07 | 5.80E-07 | 4.80E-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

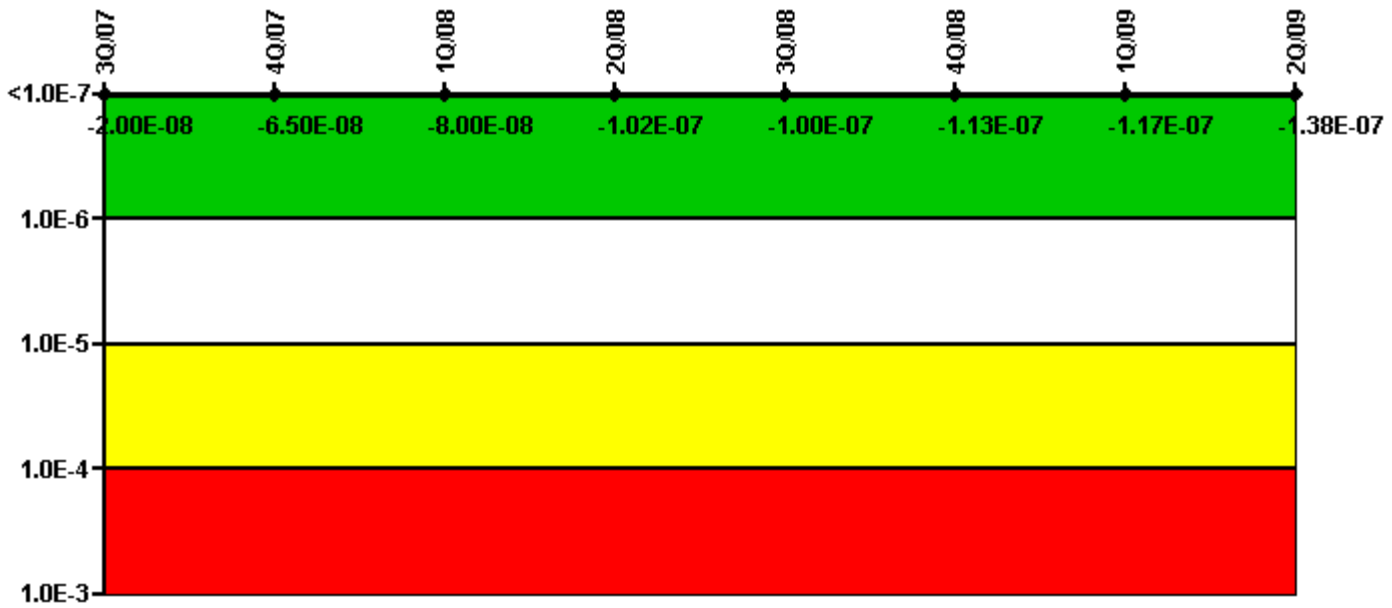
## Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     | 3Q/08     | 4Q/08     | 1Q/09     | 2Q/09     |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF)   | 1.50E-07  | 1.90E-07  | 2.10E-07  | 3.60E-07  | 3.50E-07  | 5.00E-08  | 5.90E-08  | 3.90E-08  |
| URI (ΔCDF)   | -1.30E-07 | -1.30E-07 | -1.30E-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  | 2.00E-08  | 6.00E-08  | 8.00E-08  | 2.30E-07  | 2.20E-07  | -8.00E-08 | -7.10E-08 | -9.10E-08 |

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



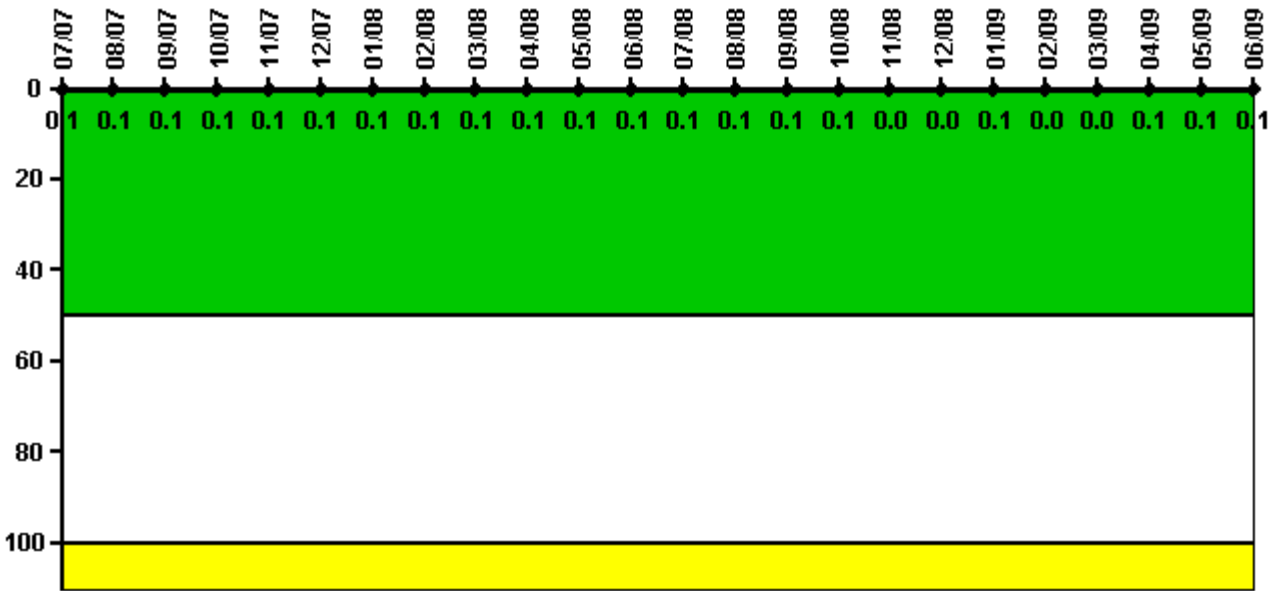
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/07     | 4Q/07     | 1Q/08     | 2Q/08     | 3Q/08     | 4Q/08     | 1Q/09     | 2Q/09     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)   | 2.20E-08  | -2.30E-08 | -3.80E-08 | -6.00E-08 | -5.80E-08 | -7.10E-08 | -7.50E-08 | -9.60E-08 |
| URI ( $\Delta$ CDF)   | -4.20E-08 | -4.20E-08 | -4.20E-08 | -4.20E-08 | -4.20E-08 | -4.20E-08 | -4.20E-08 | -4.20E-08 |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | -2.00E-08 | -6.50E-08 | -8.00E-08 | -1.02E-07 | -1.00E-07 | -1.13E-07 | -1.17E-07 | -1.38E-07 |

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

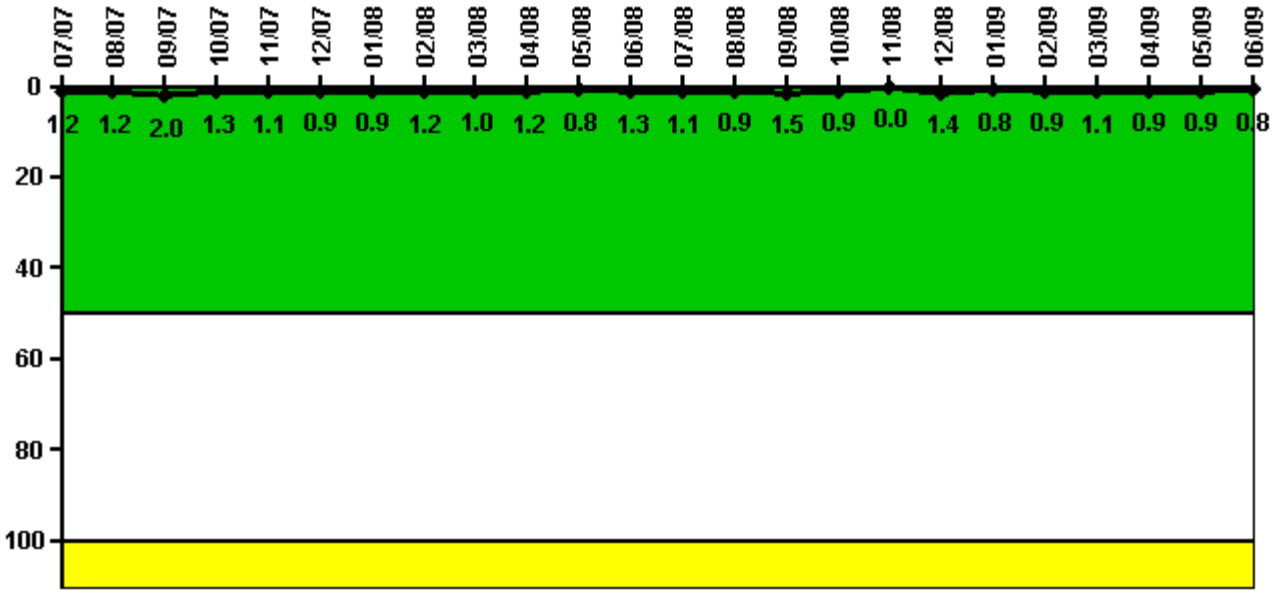
| Reactor Coolant System Activity | 7/07     | 8/07     | 9/07     | 10/07    | 11/07    | 12/07    | 1/08     | 2/08     | 3/08     | 4/08     | 5/08     | 6/08     |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000758 | 0.000693 | 0.000816 | 0.000962 | 0.001070 | 0.000963 | 0.000978 | 0.000874 | 0.001010 | 0.001020 | 0.001063 | 0.001170 |
| 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 | 7/08     | 8/08     | 9/08     | 10/08    | 11/08 | 12/08    | 1/09     | 2/09     | 3/09     | 4/09     | 5/09     | 6/09     |
|---------------------------------|----------|----------|----------|----------|-------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.001176 | 0.001116 | 0.001276 | 0.001285 | 0     | 0.000371 | 0.000662 | 0.000460 | 0.000459 | 0.000518 | 0.000600 | 0.000636 |
| 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     | 0        | 0.1      | 0        | 0        | 0.1      | 0.1      | 0.1      |

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

### Notes

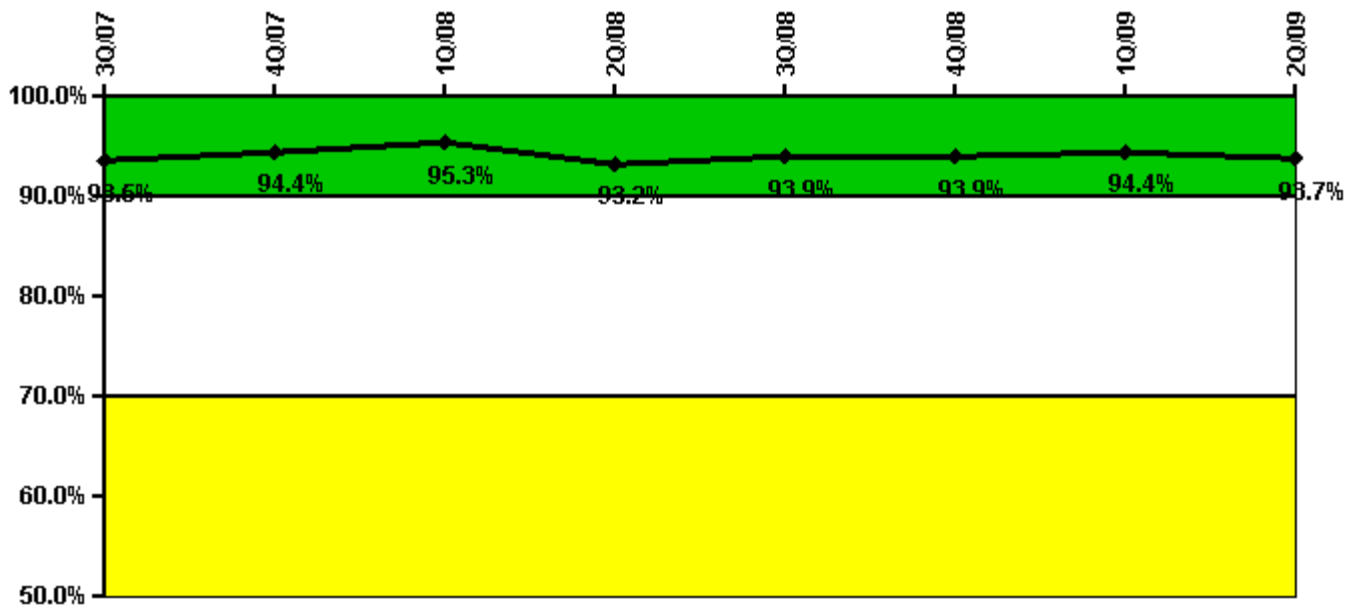
| Reactor Coolant System Leakage | 7/07  | 8/07  | 9/07  | 10/07 | 11/07 | 12/07 | 1/08  | 2/08  | 3/08  | 4/08  | 5/08  | 6/08  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.116 | 0.117 | 0.202 | 0.134 | 0.109 | 0.094 | 0.087 | 0.119 | 0.102 | 0.115 | 0.080 | 0.132 |
| 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                | 1.2   | 1.2   | 2.0   | 1.3   | 1.1   | 0.9   | 0.9   | 1.2   | 1.0   | 1.2   | 0.8   | 1.3   |

| Reactor Coolant System Leakage | 7/08  | 8/08  | 9/08  | 10/08 | 11/08 | 12/08 | 1/09  | 2/09  | 3/09  | 4/09  | 5/09  | 6/09  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.109 | 0.088 | 0.146 | 0.086 | 0     | 0.138 | 0.077 | 0.091 | 0.112 | 0.086 | 0.090 | 0.083 |
| 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                | 1.1   | 0.9   | 1.5   | 0.9   | 0     | 1.4   | 0.8   | 0.9   | 1.1   | 0.9   | 0.9   | 0.8   |

Licensee Comments: none

## Drill/Exercise Performance



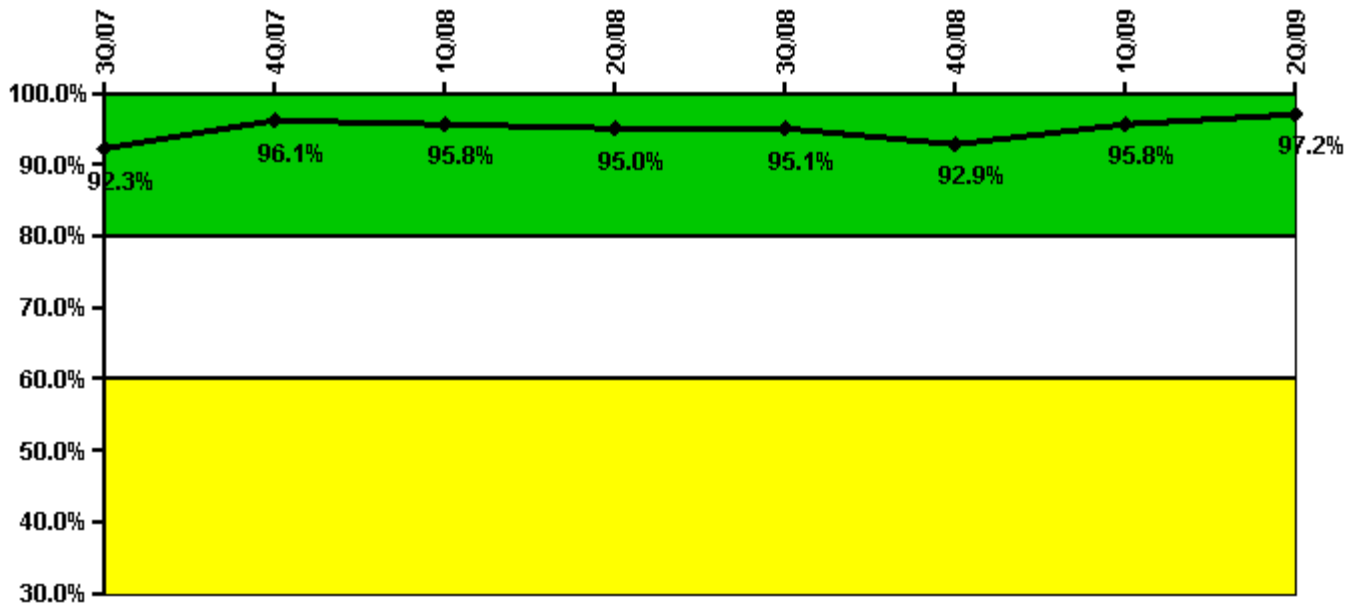
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

| Drill/Exercise Performance | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 26.0  | 26.0  | 71.0  | 18.0  | 31.0  | 8.0   | 43.0  | 0     |
| Total opportunities        | 28.0  | 26.0  | 75.0  | 23.0  | 34.0  | 8.0   | 44.0  | 0     |
| Indicator value            | 93.5% | 94.4% | 95.3% | 93.2% | 93.9% | 93.9% | 94.4% | 93.7% |

Licensee Comments: none

## ERO Drill Participation



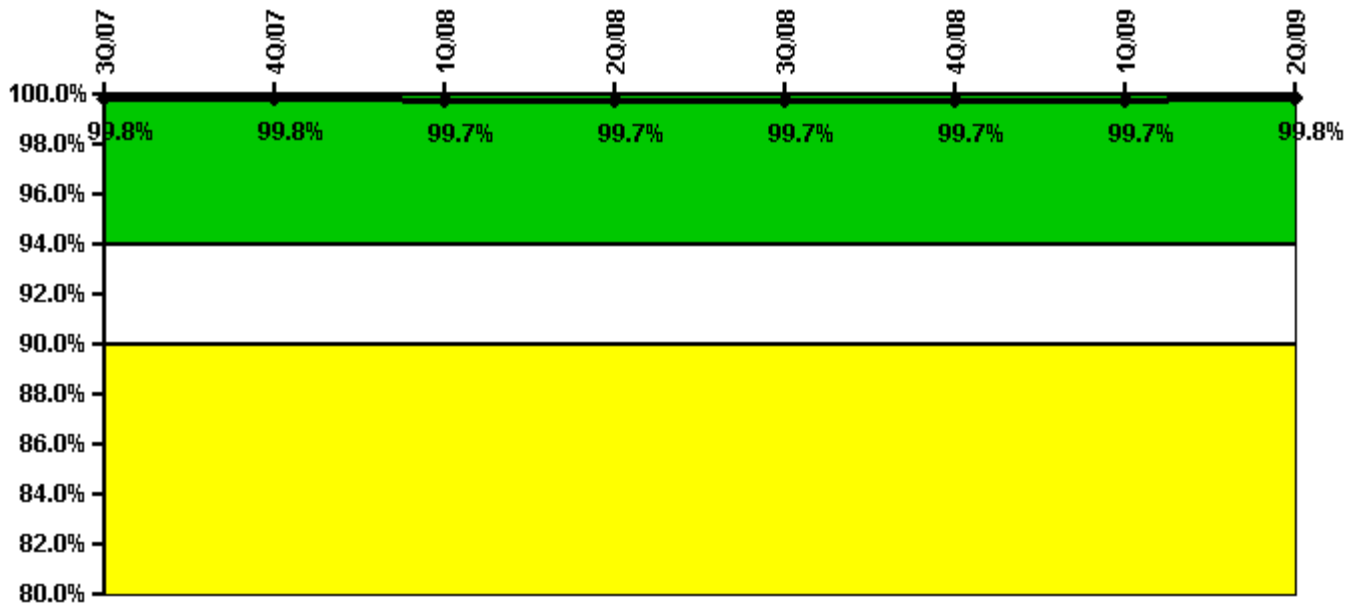
**Thresholds: White < 80.0% Yellow < 60.0%**

### Notes

| ERO Drill Participation     | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Participating Key personnel | 156.0 | 147.0 | 136.0 | 134.0 | 137.0 | 130.0 | 136.0 | 141.0 |
| Total Key personnel         | 169.0 | 153.0 | 142.0 | 141.0 | 144.0 | 140.0 | 142.0 | 145.0 |
|                             |       |       |       |       |       |       |       |       |
| Indicator value             | 92.3% | 96.1% | 95.8% | 95.0% | 95.1% | 92.9% | 95.8% | 97.2% |

Licensee Comments: none

## Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

### Notes

| Alert & Notification System | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 1753  | 1623  | 1811  | 1619  | 1622  | 1685  | 1748  | 1754  |
| Total sirens-tests          | 1755  | 1625  | 1820  | 1625  | 1625  | 1690  | 1755  | 1755  |
|                             |       |       |       |       |       |       |       |       |
| Indicator value             | 99.8% | 99.8% | 99.7% | 99.7% | 99.7% | 99.7% | 99.7% | 99.8% |

Licensee Comments: none

## Occupational Exposure Control Effectiveness



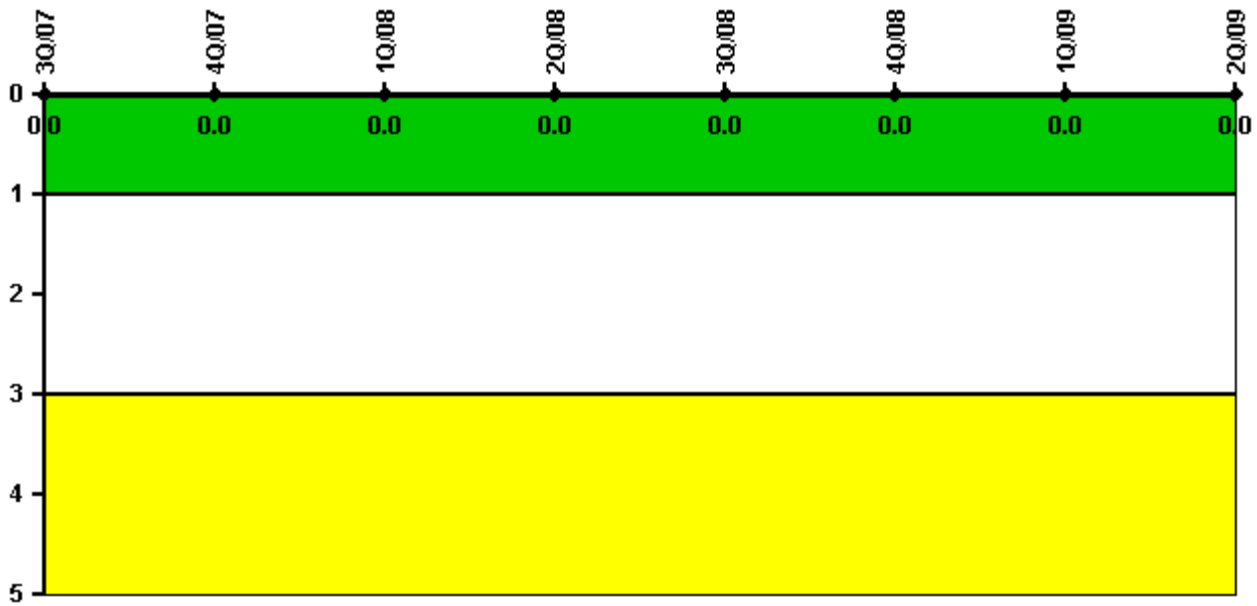
Thresholds: White > 2.0 Yellow > 5.0

### Notes

| Occupational Exposure Control Effectiveness | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 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/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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.