

Peach Bottom 2

2Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



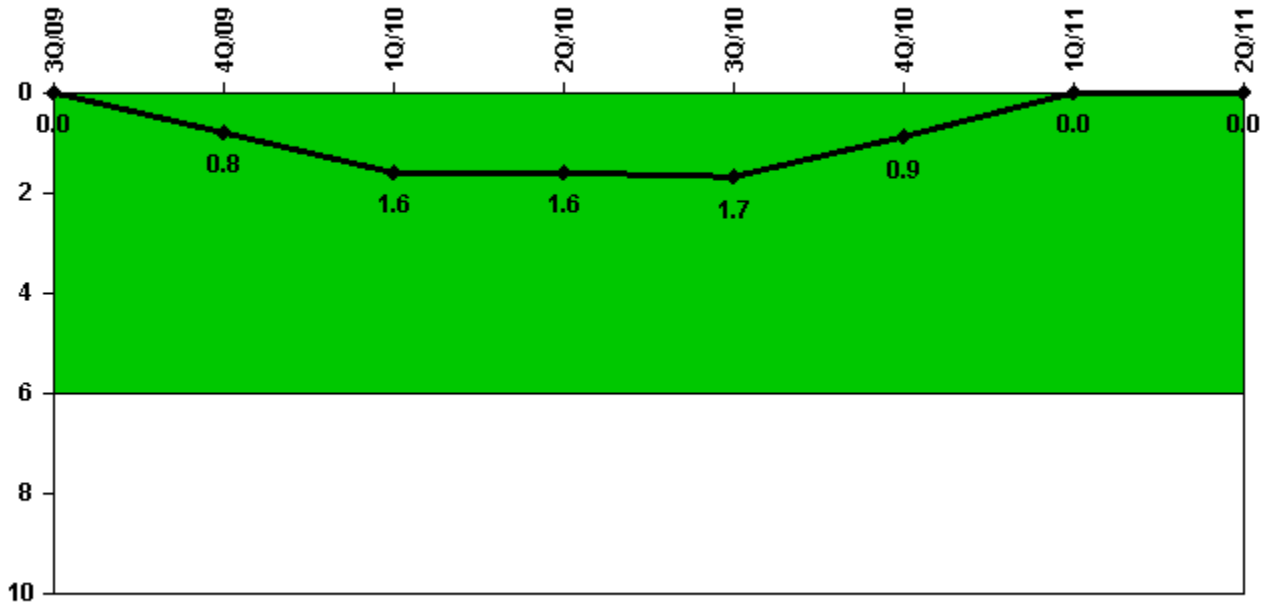
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 2159.0 | 2184.0 | 1774.2 | 2064.2 | 2159.0 | 2184.0 |
| 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 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 1.0 | 1.0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 2159.0 | 2184.0 | 1774.2 | 2064.2 | 2159.0 | 2184.0 |
| Indicator value | 0 | 0.8 | 1.6 | 1.6 | 1.7 | 0.9 | 0 | 0 |

Licensee Comments: none

Unplanned Scrams with Complications



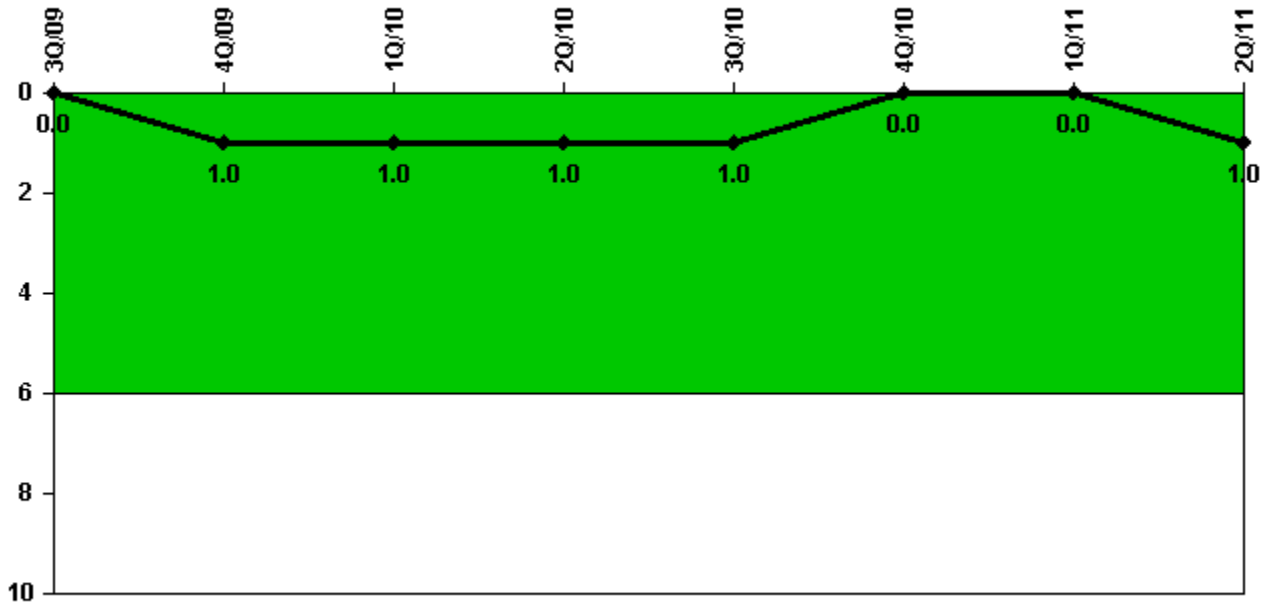
Thresholds: White > 1.0

Notes

| Unplanned Scrams with Complications | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 (BWR)



Thresholds: White > 6.0

Notes

| Safety System Functional Failures (BWR) | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Indicator value | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |

Licensee Comments:

2Q/11: LER 2-11-01

Mitigating Systems Performance Index, Emergency AC Power System



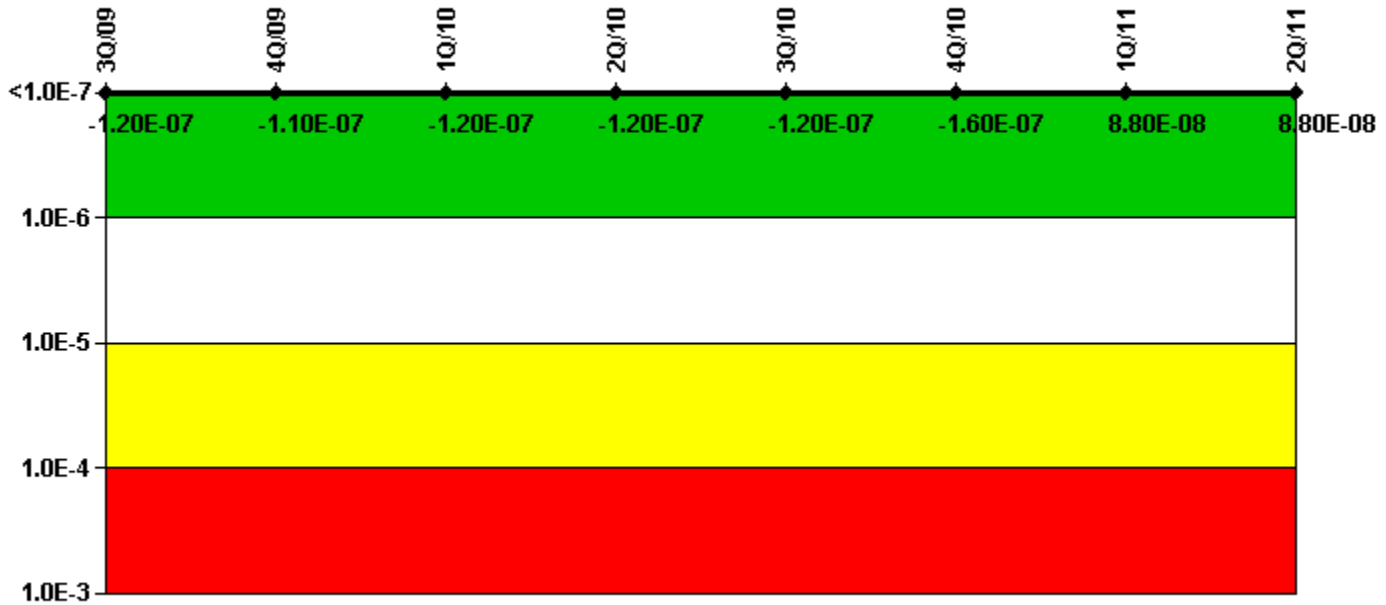
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|-------------|------------|------------|-------------|-------------|-------------|------------|------------|
| UAI (Δ CDF) | $1.50E-07$ | $7.80E-08$ | $3.02E-08$ | $-3.47E-09$ | $-6.45E-09$ | $-1.72E-08$ | $3.57E-09$ | $1.87E-08$ |
| URI (Δ CDF) | $-4.40E-07$ | $3.00E-08$ | $3.88E-08$ | $3.42E-08$ | $5.60E-08$ | $3.36E-08$ | $2.92E-08$ | $2.96E-08$ |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | $-2.90E-07$ | $1.08E-07$ | $6.90E-08$ | $3.10E-08$ | $5.00E-08$ | $1.60E-08$ | $3.30E-08$ | $4.80E-08$ |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



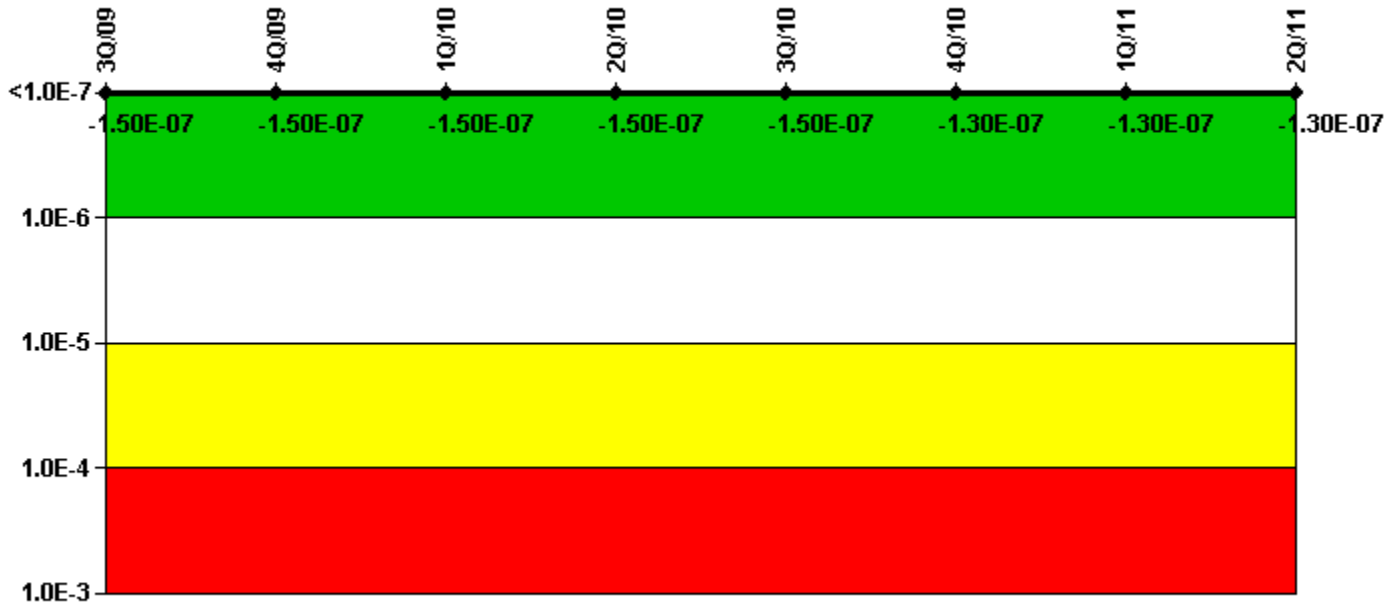
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -2.92E-08 | -2.93E-08 | -3.02E-08 | -3.02E-08 | -3.00E-08 | -3.91E-08 | -2.80E-08 | -2.80E-08 |
| URI (Δ CDF) | -8.66E-08 | -8.54E-08 | -8.54E-08 | -8.54E-08 | -8.54E-08 | -1.25E-07 | 1.16E-07 | 1.16E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.20E-07 | -1.10E-07 | -1.20E-07 | -1.20E-07 | -1.20E-07 | -1.60E-07 | 8.80E-08 | 8.80E-08 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



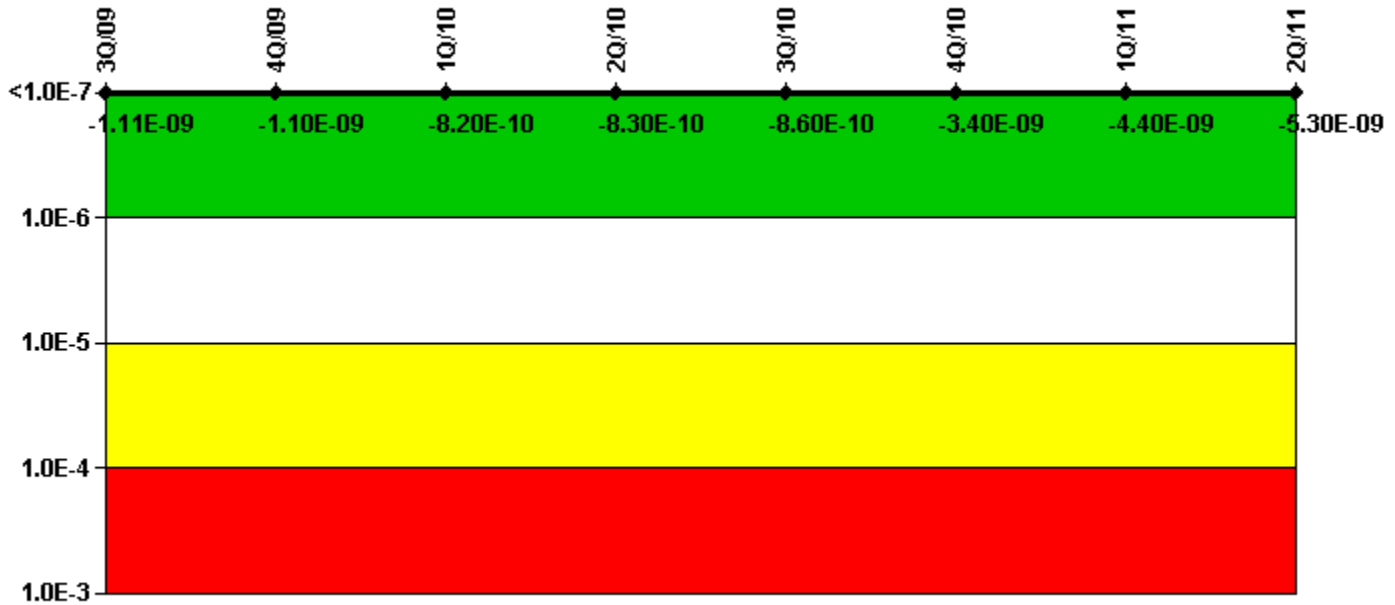
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Heat Removal System | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -4.30E-08 | -4.30E-08 | -4.30E-08 | -4.30E-08 | -4.30E-08 | -3.11E-08 | -3.11E-08 | -3.11E-08 |
| URI (Δ CDF) | -1.04E-07 | -1.04E-07 | -1.04E-07 | -1.04E-07 | -1.04E-07 | -9.60E-08 | -9.63E-08 | -9.65E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



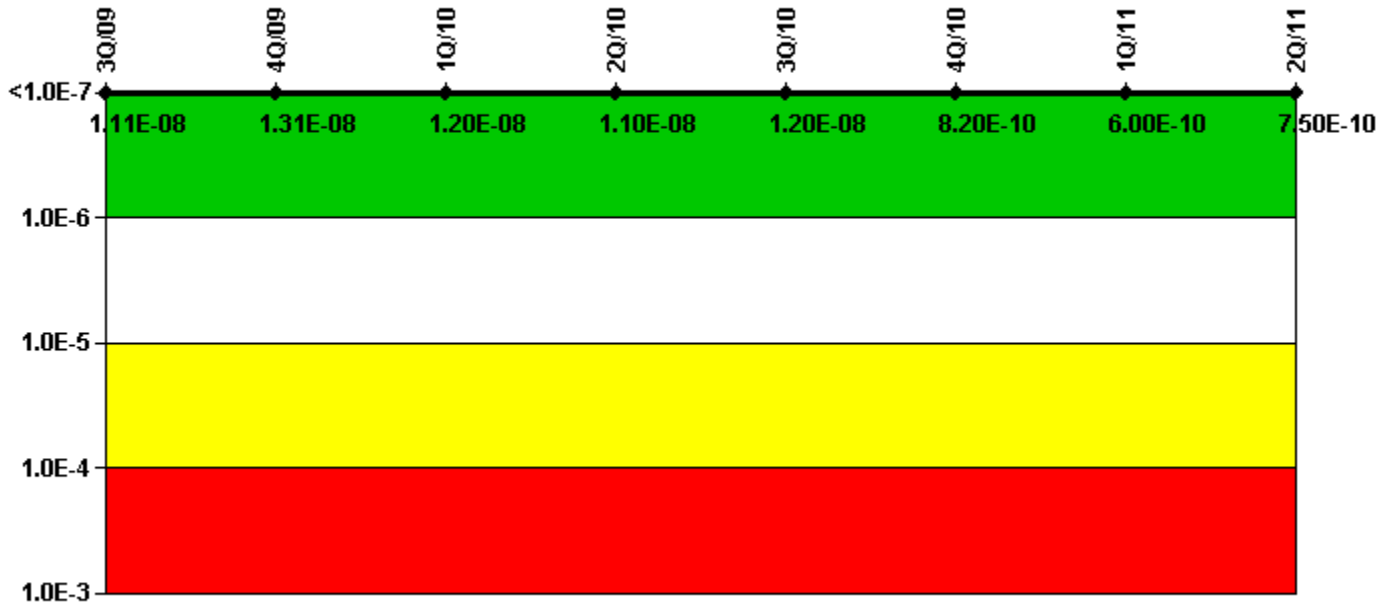
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -1.50E-10 | -1.50E-10 | 1.30E-10 | 1.19E-10 | 9.37E-11 | -2.19E-10 | -2.17E-10 | -2.17E-10 |
| URI (Δ CDF) | -9.60E-10 | -9.50E-10 | -9.52E-10 | -9.52E-10 | -9.52E-10 | -3.21E-09 | -4.19E-09 | -5.09E-09 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.11E-09 | -1.10E-09 | -8.20E-10 | -8.30E-10 | -8.60E-10 | -3.40E-09 | -4.40E-09 | -5.30E-09 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



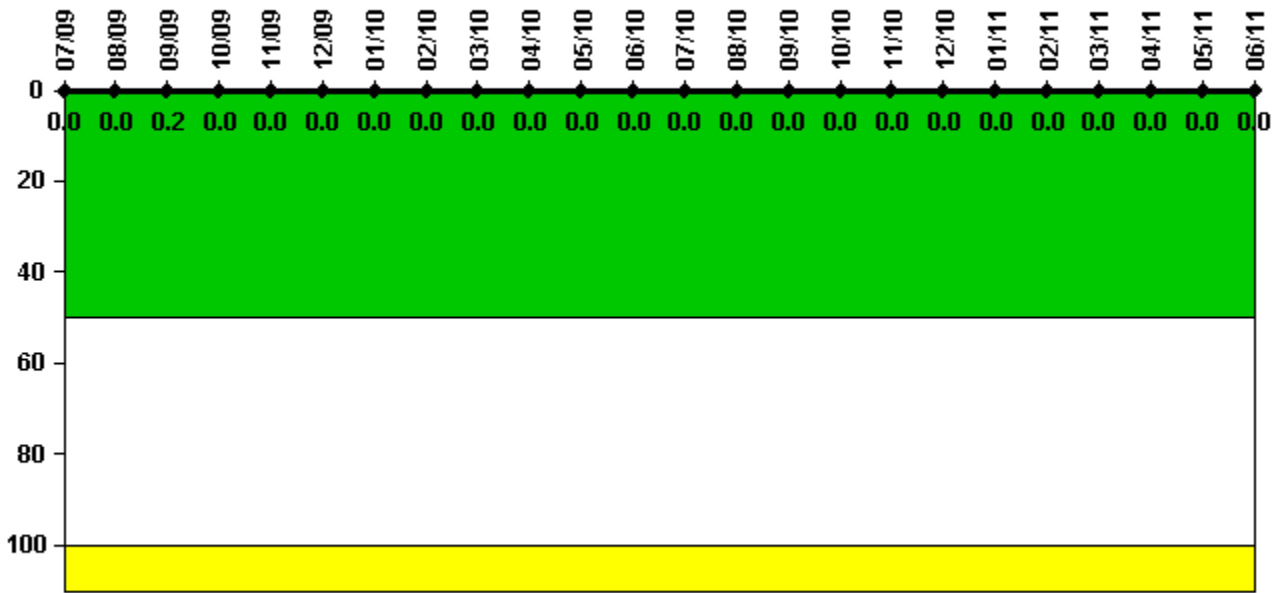
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 1.50E-08 | 1.70E-08 | 1.56E-08 | 1.49E-08 | 1.90E-08 | 2.68E-09 | 2.45E-09 | 2.60E-09 |
| URI (Δ CDF) | -3.90E-09 | -3.90E-09 | -3.87E-09 | -3.87E-09 | -7.00E-09 | -1.85E-09 | -1.85E-09 | -1.85E-09 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 1.11E-08 | 1.31E-08 | 1.20E-08 | 1.10E-08 | 1.20E-08 | 8.20E-10 | 6.00E-10 | 7.50E-10 |

Licensee Comments: none

Reactor Coolant System Activity



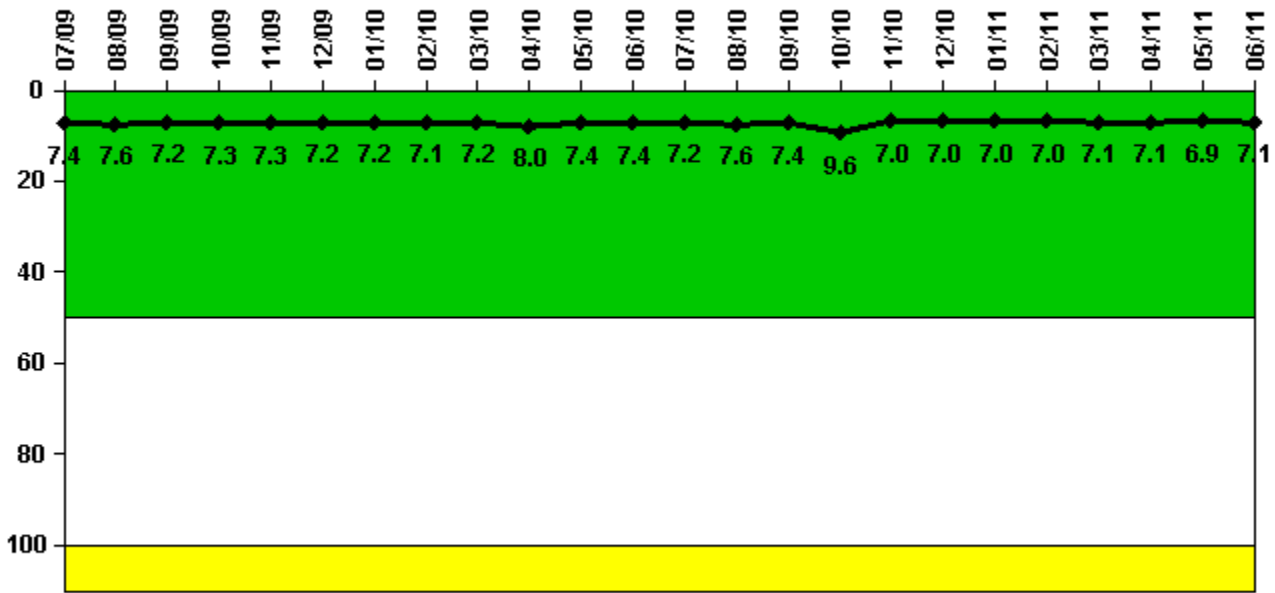
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Activity | 7/09 | 8/09 | 9/09 | 10/09 | 11/09 | 12/09 | 1/10 | 2/10 | 3/10 | 4/10 | 5/10 | 6/10 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000063 | 0.000066 | 0.000447 | 0.000072 | 0.000045 | 0.000055 | 0.000046 | 0.000061 | 0.000030 | 0.000028 | 0.000037 | 0.000051 |
| 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 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reactor Coolant System Activity | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 | 4/11 | 5/11 | 6/11 |
| Maximum activity | 0.000038 | 0.000038 | 0.000046 | 0.000024 | 0.000021 | 0.000022 | 0.000022 | 0.000029 | 0.000061 | 0.000022 | 0.000023 | 0.000023 |
| 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 |

Licensee Comments: none

Reactor Coolant System Leakage



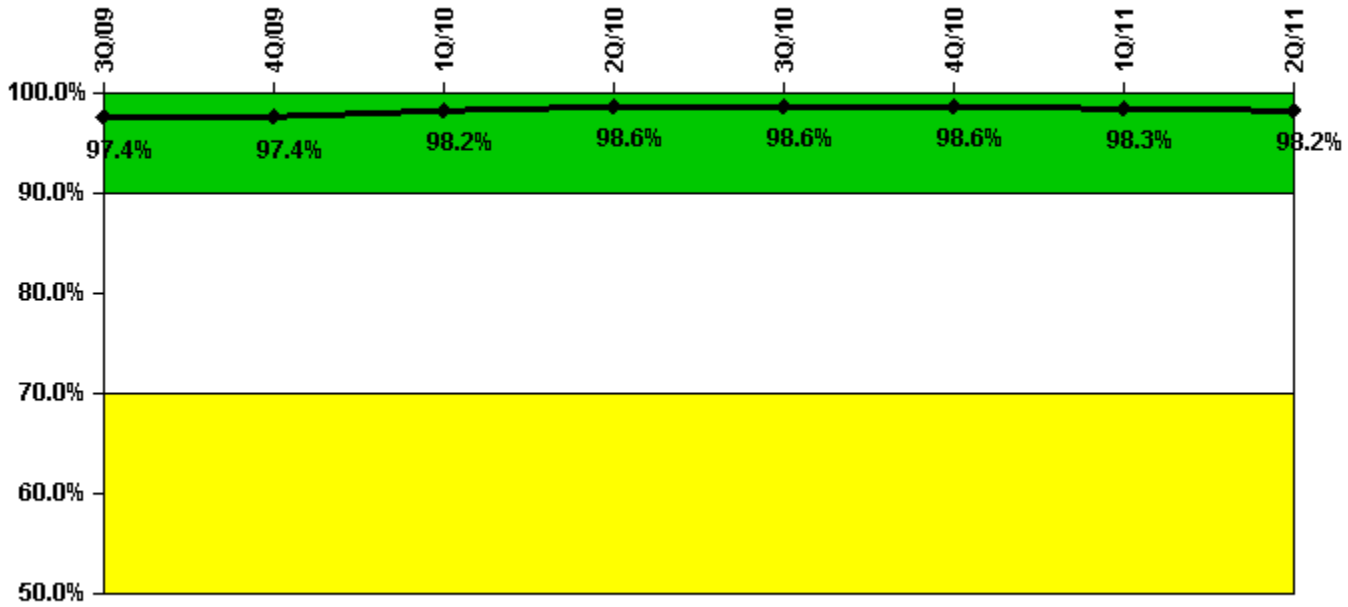
Thresholds: White > 50.0 Yellow > 100.0

Notes

| | | | | | | | | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Reactor Coolant System Leakage | 7/09 | 8/09 | 9/09 | 10/09 | 11/09 | 12/09 | 1/10 | 2/10 | 3/10 | 4/10 | 5/10 | 6/10 |
| Maximum leakage | 1.850 | 1.910 | 1.810 | 1.820 | 1.820 | 1.790 | 1.810 | 1.780 | 1.790 | 2.000 | 1.840 | 1.840 |
| Technical specification limit | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| Indicator value | 7.4 | 7.6 | 7.2 | 7.3 | 7.3 | 7.2 | 7.2 | 7.1 | 7.2 | 8.0 | 7.4 | 7.4 |
| Reactor Coolant System Leakage | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 | 4/11 | 5/11 | 6/11 |
| Maximum leakage | 1.810 | 1.890 | 1.850 | 2.400 | 1.750 | 1.740 | 1.740 | 1.740 | 1.780 | 1.780 | 1.720 | 1.780 |
| Technical specification limit | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| Indicator value | 7.2 | 7.6 | 7.4 | 9.6 | 7.0 | 7.0 | 7.0 | 7.0 | 7.1 | 7.1 | 6.9 | 7.1 |

Licensee Comments: none

Drill/Exercise Performance



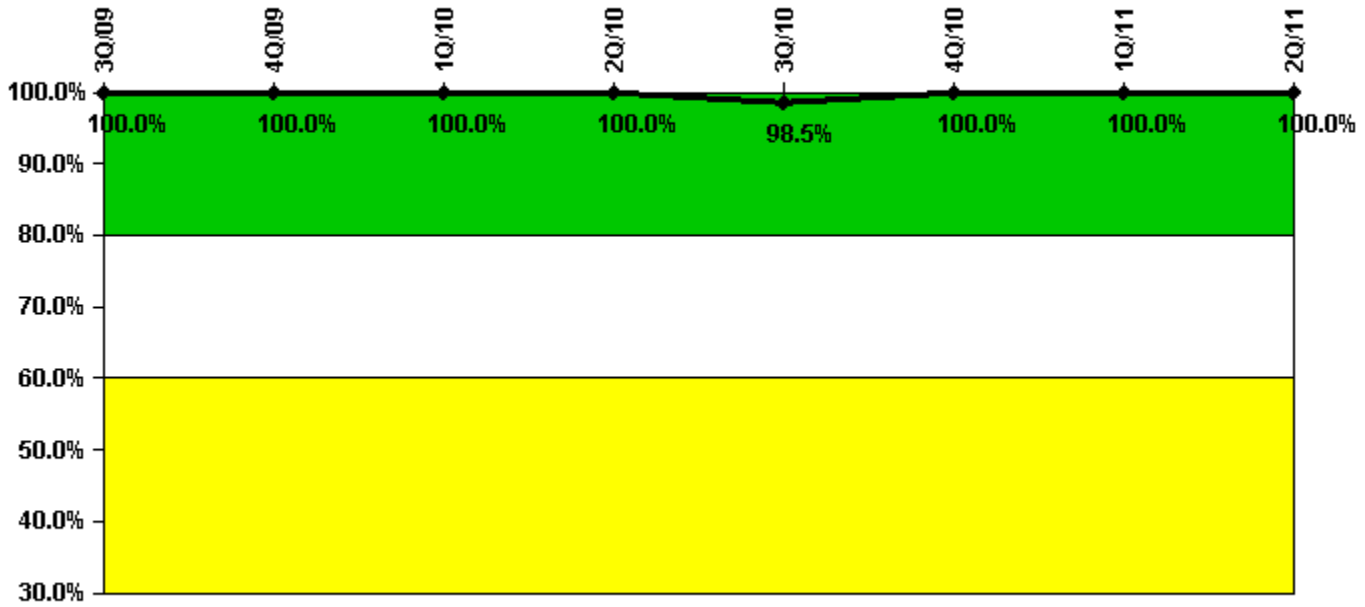
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 47.0 | 14.0 | 73.0 | 57.0 | 20.0 | 28.0 | 70.0 | 26.0 |
| Total opportunities | 48.0 | 14.0 | 74.0 | 57.0 | 20.0 | 28.0 | 73.0 | 27.0 |
| | | | | | | | | |
| Indicator value | 97.4% | 97.4% | 98.2% | 98.6% | 98.6% | 98.6% | 98.3% | 98.2% |

License Comments: none

ERO Drill Participation



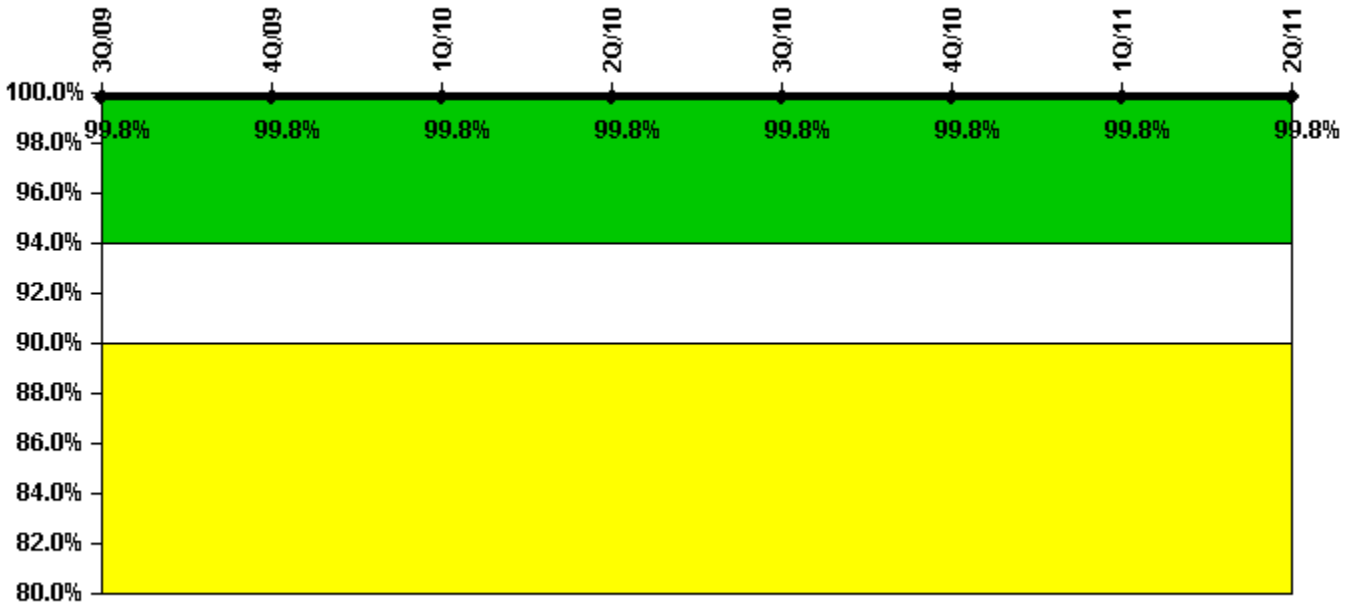
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|-----------------------------|--------|--------|--------|--------|-------|--------|--------|--------|
| Participating Key personnel | 69.0 | 67.0 | 68.0 | 68.0 | 65.0 | 67.0 | 66.0 | 67.0 |
| Total Key personnel | 69.0 | 67.0 | 68.0 | 68.0 | 66.0 | 67.0 | 66.0 | 67.0 |
| Indicator value | 100.0% | 100.0% | 100.0% | 100.0% | 98.5% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 1355 | 1259 | 1259 | 1260 | 1255 | 1259 | 1260 | 1259 |
| Total sirens-tests | 1358 | 1261 | 1261 | 1261 | 1261 | 1261 | 1261 | 1261 |
| | | | | | | | | |
| Indicator value | 99.8% | 99.8% | 99.8% | 99.8% | 99.8% | 99.8% | 99.8% | 99.8% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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.