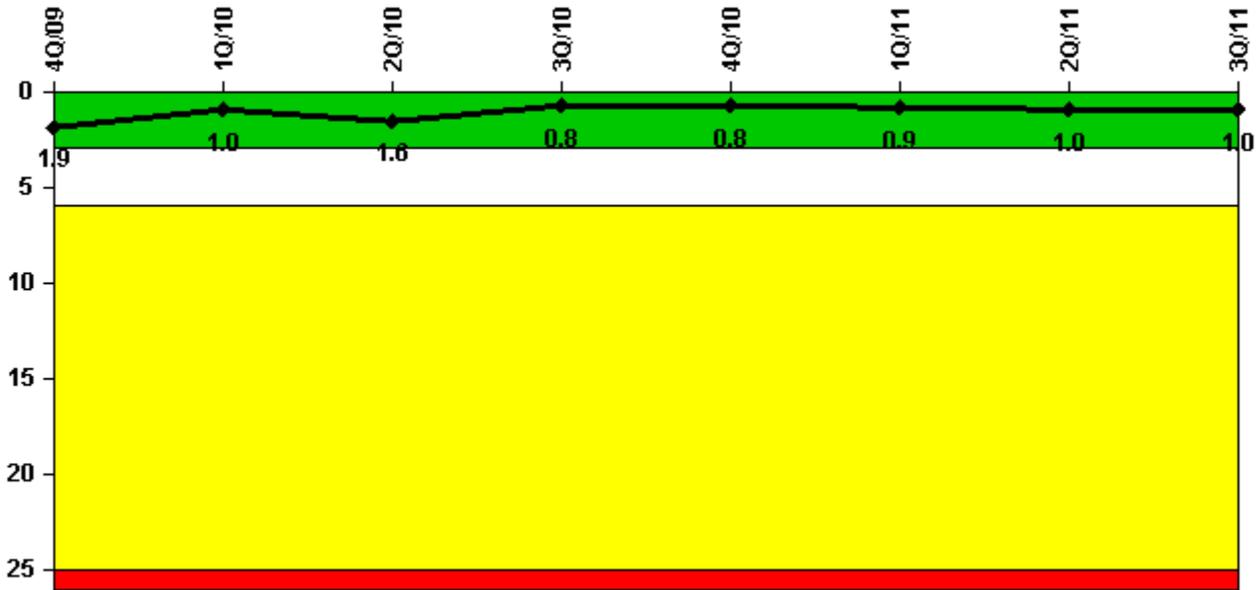


Browns Ferry 2

3Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



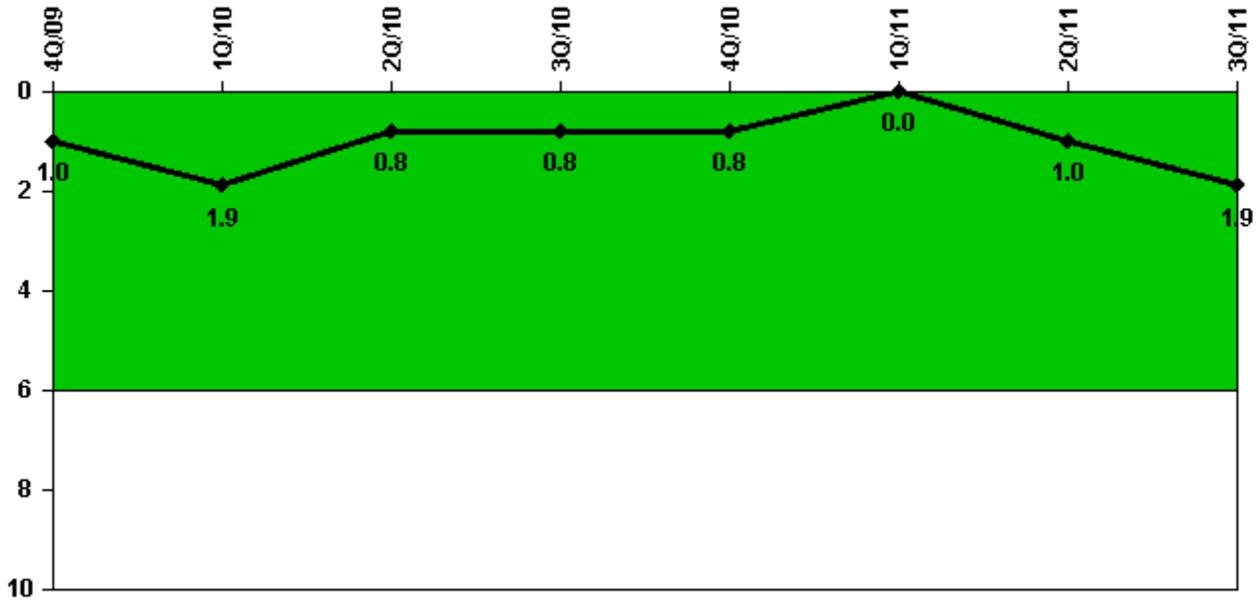
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2154.0 | 2038.9 | 2137.6 | 2208.0 | 2209.0 | 1344.0 | 1438.2 | 2208.0 |
| Indicator value | 1.9 | 1.0 | 1.6 | 0.8 | 0.8 | 0.9 | 1.0 | 1.0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



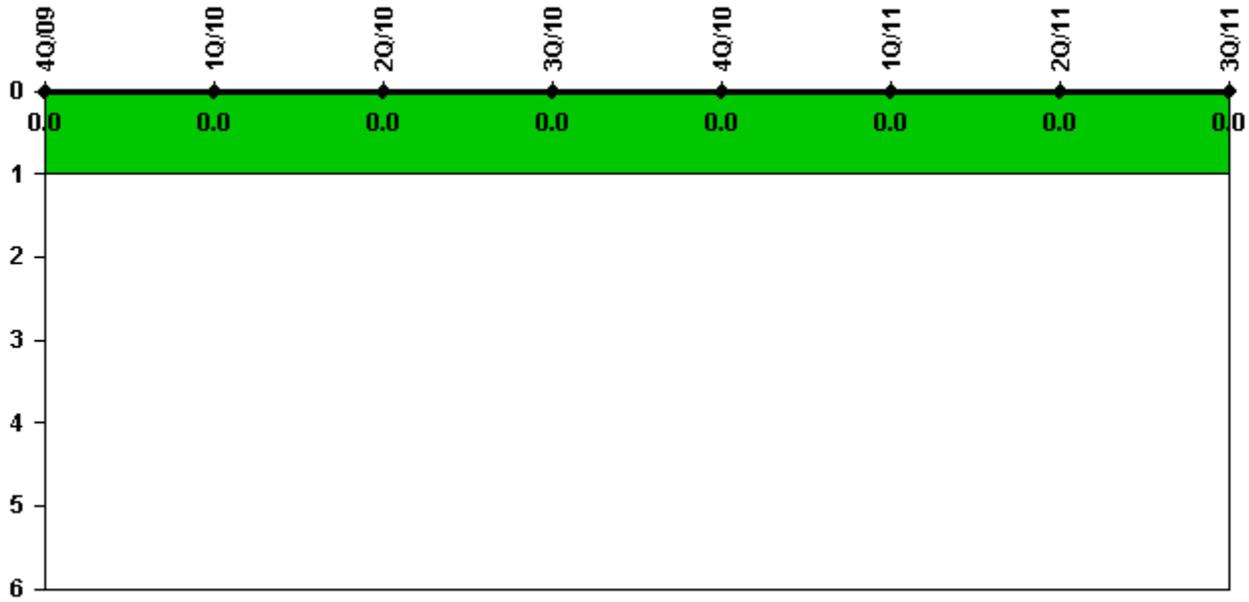
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 0 | 0 | 1.0 | 1.0 |
| Critical hours | 2154.0 | 2038.9 | 2137.6 | 2208.0 | 2209.0 | 1344.0 | 1438.2 | 2208.0 |
| Indicator value | 1.0 | 1.9 | 0.8 | 0.8 | 0.8 | 0 | 1.0 | 1.9 |

Licensee Comments: none

Unplanned Scrams with Complications



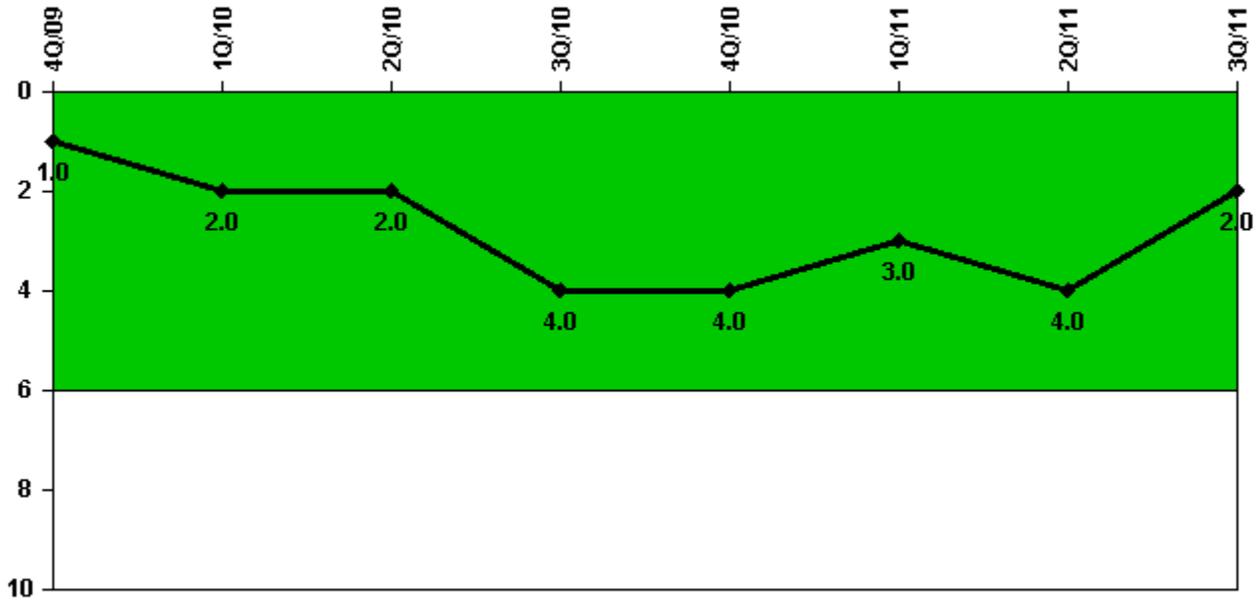
Thresholds: White > 1.0

Notes

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



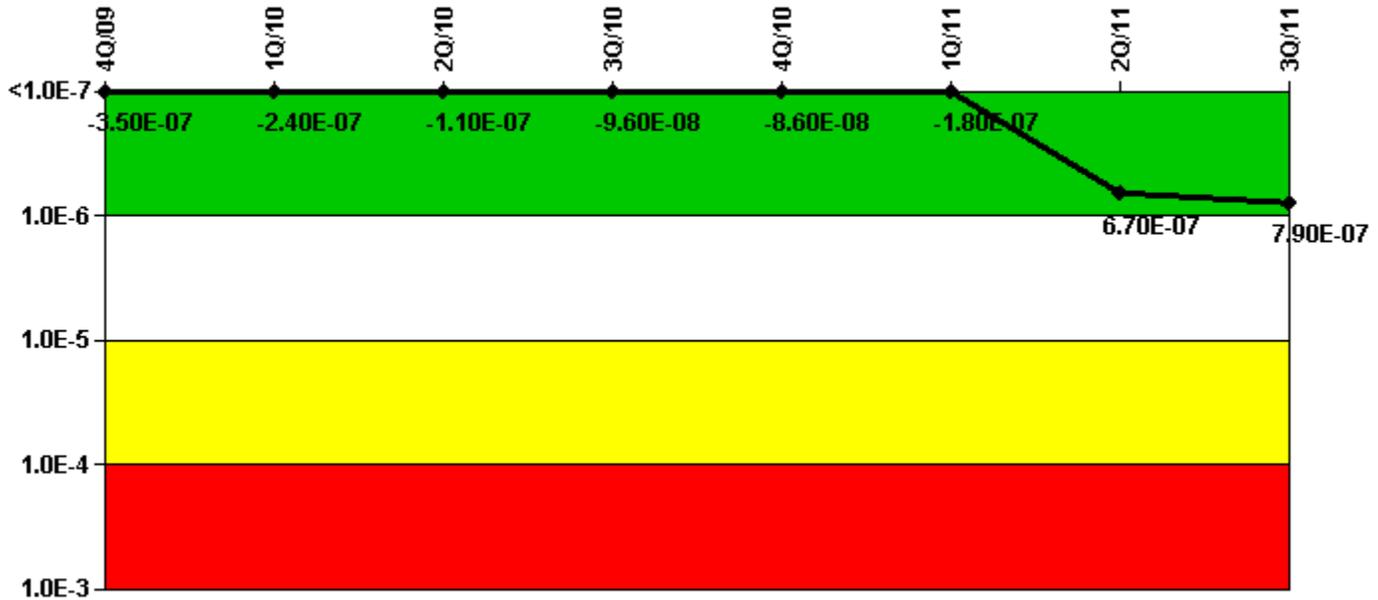
Thresholds: White > 6.0

Notes

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

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

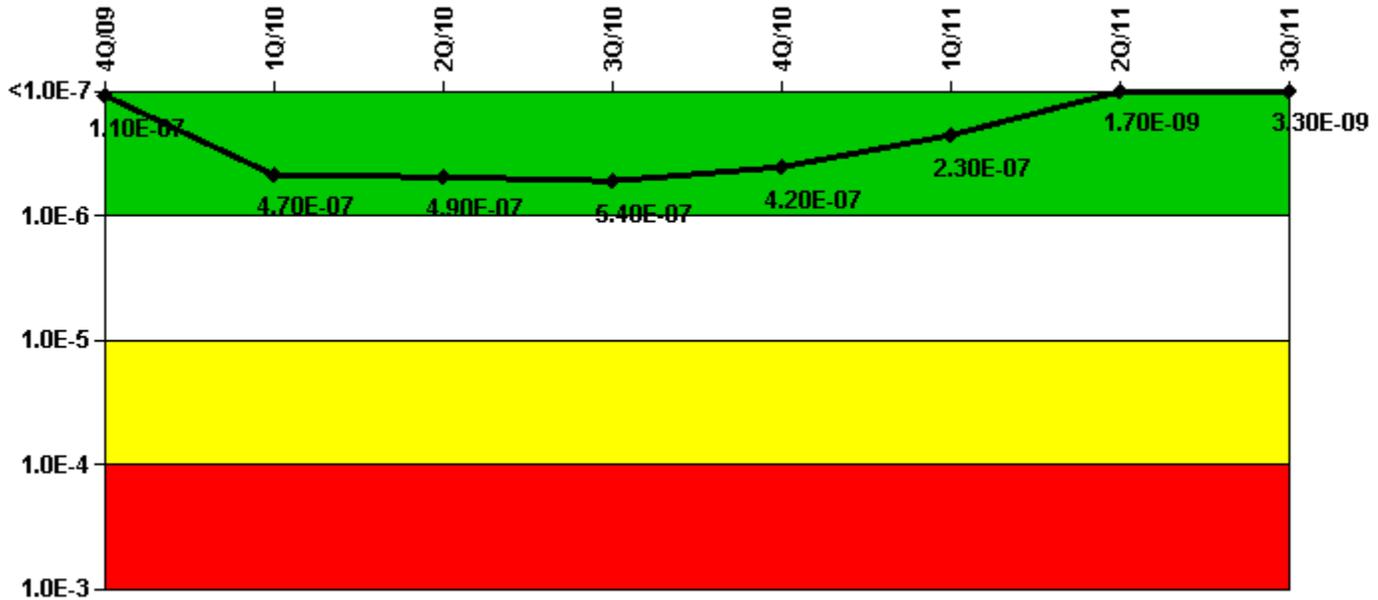
| Mitigating Systems Performance Index, Emergency AC Power System | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| UAI (Δ CDF) | 1.10E-07 | 7.96E-08 | 1.00E-07 | 1.16E-07 | 8.10E-08 | 6.79E-08 | 7.45E-08 | 1.00E-07 |
| URI (Δ CDF) | -4.60E-07 | -3.19E-07 | -2.12E-07 | -2.12E-07 | -1.67E-07 | -2.52E-07 | 5.91E-07 | 6.94E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -3.50E-07 | -2.40E-07 | -1.10E-07 | -9.60E-08 | -8.60E-08 | -1.80E-07 | 6.70E-07 | 7.90E-07 |

Licensee Comments:

3Q/11: Risk Cap Invoked. Changed PRA Parameter(s). Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 Rev 005 to reflect BFN CAFTA PRA Model Rev 3 which was approved in June 2011. MSPI PRA Parameters based on this model are effective as of Third Quarter 2011. The MSPI Risk Cap is also invoked. The contribution from one Failure to Run ($7.17E-07$) has been replaced by a value of $5.00E-07$.

2Q/11: Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 rev 003 to correct PRA Model errors associated with the modeling of EECW (Cooling Water System 2) North Header Unavailability and not modeling a failure of a normally operating EECW pump to restart following loss of offsite power. These changes are effective as of Second Quarter 2011.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

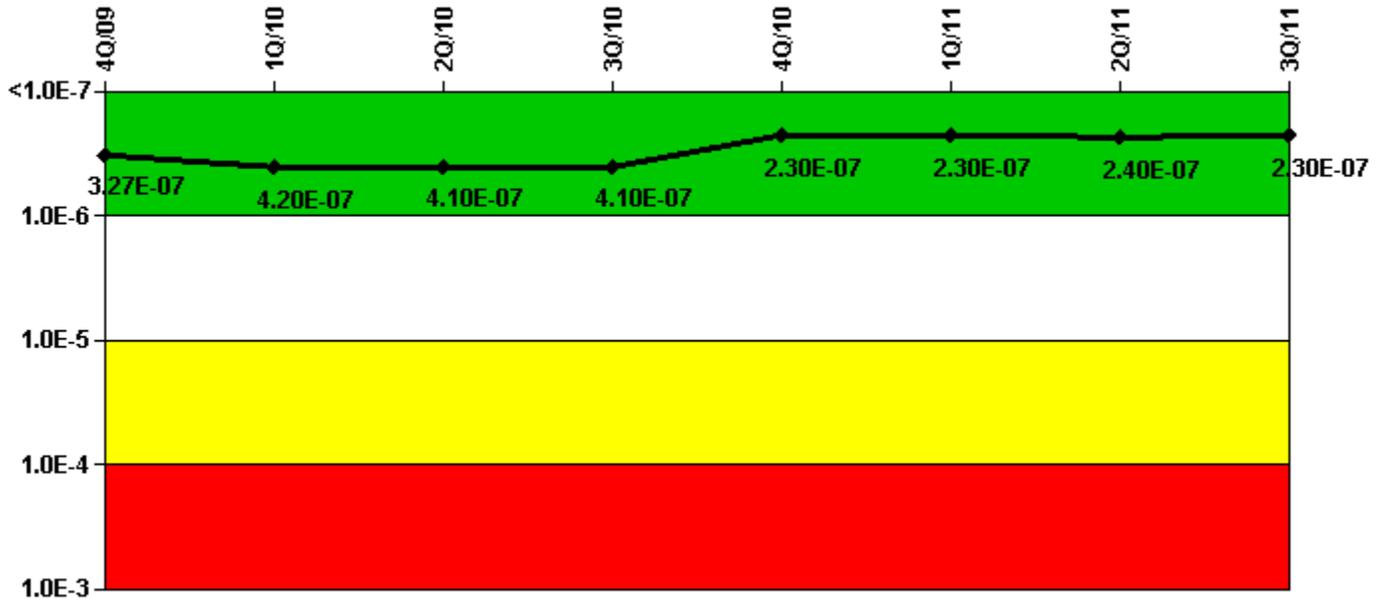
| Mitigating Systems Performance Index, High Pressure Injection System | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF) | 1.50E-07 | 6.56E-07 | 6.76E-07 | 7.36E-07 | 5.43E-07 | 3.51E-07 | 1.27E-07 | 1.07E-07 |
| URI (ΔCDF) | -4.00E-08 | -1.86E-07 | -1.91E-07 | -1.92E-07 | -1.25E-07 | -1.25E-07 | -1.26E-07 | -1.04E-07 |
| PLE | NO |
| Indicator value | 1.10E-07 | 4.70E-07 | 4.90E-07 | 5.40E-07 | 4.20E-07 | 2.30E-07 | 1.70E-09 | 3.30E-09 |

Licensee Comments:

3Q/11: Changed PRA Parameter(s). Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 Rev 005 to reflect BFN CAFTA PRA Model Rev 3 which was approved in June 2011. MSPI PRA Parameters based on this model are effective as of Third Quarter 2011.

2Q/11: Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 rev 003 to correct PRA Model errors associated with the modeling of EECW (Cooling Water System 2) North Header Unavailability and not modeling a failure of a normally operating EECW pump to restart following loss of offsite power. These changes are effective as of Second Quarter 2011.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

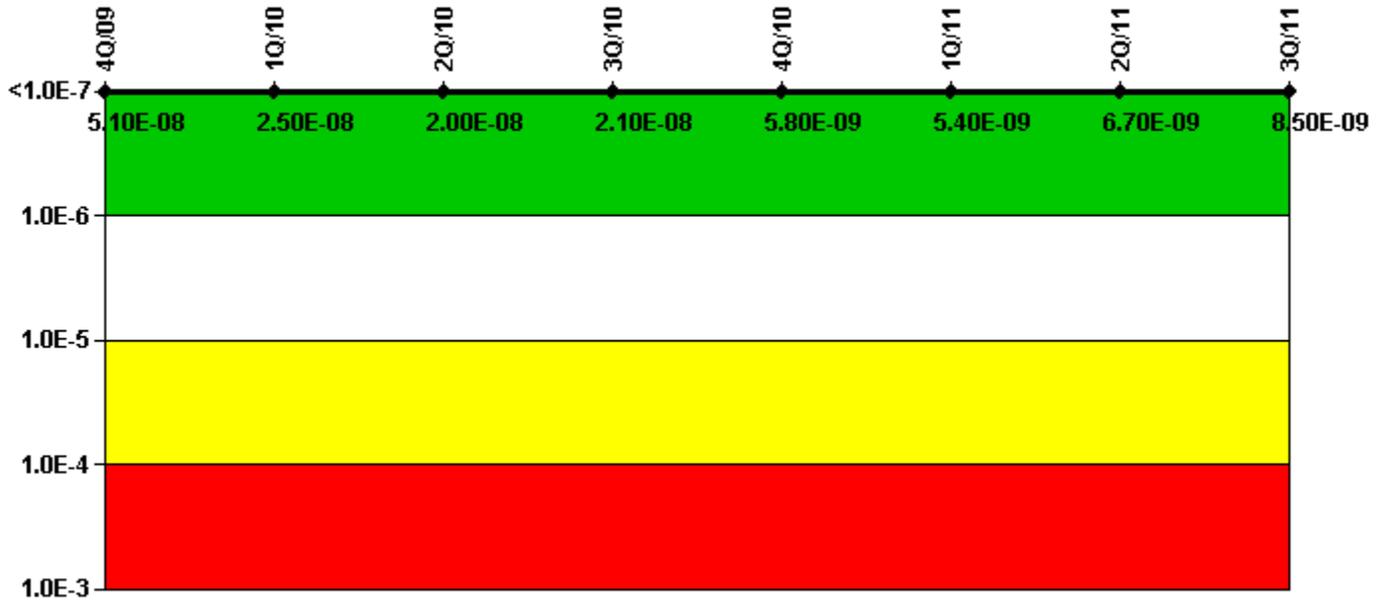
| Mitigating Systems Performance Index, Heat Removal System | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| UAI (ΔCDF) | 2.30E-07 | 2.79E-07 | 2.75E-07 | 2.74E-07 | 1.24E-07 | 1.29E-07 | 1.34E-07 | 1.53E-07 |
| URI (ΔCDF) | 9.70E-08 | 1.45E-07 | 1.34E-07 | 1.33E-07 | 1.06E-07 | 1.05E-07 | 1.04E-07 | 7.52E-08 |
| PLE | NO |
| Indicator value | 3.27E-07 | 4.20E-07 | 4.10E-07 | 4.10E-07 | 2.30E-07 | 2.30E-07 | 2.40E-07 | 2.30E-07 |

Licensee Comments:

3Q/11: Changed PRA Parameter(s). Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 Rev 005 to reflect BFN CAFTA PRA Model Rev 3 which was approved in June 2011. MSPI PRA Parameters based on this model are effective as of Third Quarter 2011.

2Q/11: Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 rev 003 to correct PRA Model errors associated with the modeling of EECW (Cooling Water System 2) North Header Unavailability and not modeling a failure of a normally operating EECW pump to restart following loss of offsite power. These changes are effective as of Second Quarter 2011.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

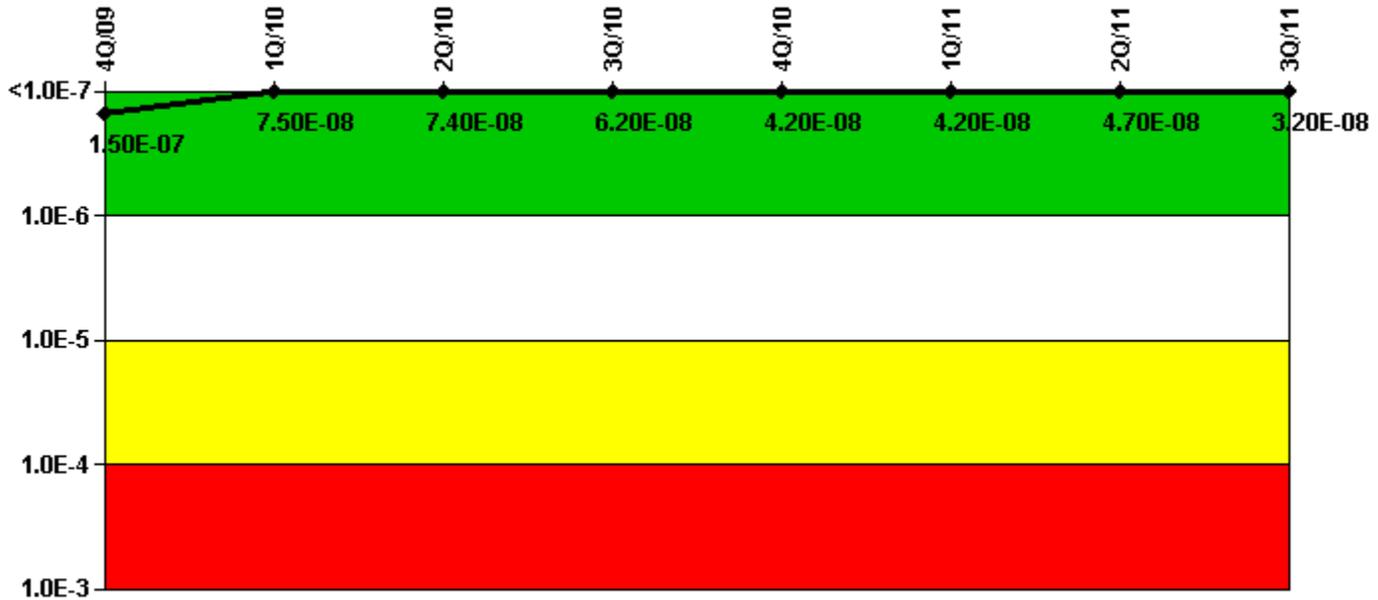
| Mitigating Systems Performance Index, Residual Heat Removal System | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|--|-----------|----------|----------|----------|----------|----------|----------|----------|
| UAI (Δ CDF) | 1.40E-07 | 1.17E-08 | 1.15E-08 | 9.81E-09 | 1.87E-09 | 2.68E-09 | 2.69E-09 | 6.08E-09 |
| URI (Δ CDF) | -8.90E-08 | 1.34E-08 | 8.04E-09 | 1.12E-08 | 3.96E-09 | 2.67E-09 | 4.06E-09 | 2.45E-09 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 5.10E-08 | 2.50E-08 | 2.00E-08 | 2.10E-08 | 5.80E-09 | 5.40E-09 | 6.70E-09 | 8.50E-09 |

Licensee Comments:

3Q/11: Changed PRA Parameter(s). Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 Rev 005 to reflect BFN CAFTA PRA Model Rev 3 which was approved in June 2011. MSPI PRA Parameters based on this model are effective as of Third Quarter 2011.

2Q/11: Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 rev 003 to correct PRA Model errors associated with the modeling of EECW (Cooling Water System 2) North Header Unavailability and not modeling a failure of a normally operating EECW pump to restart following loss of offsite power. These changes are effective as of Second Quarter 2011.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

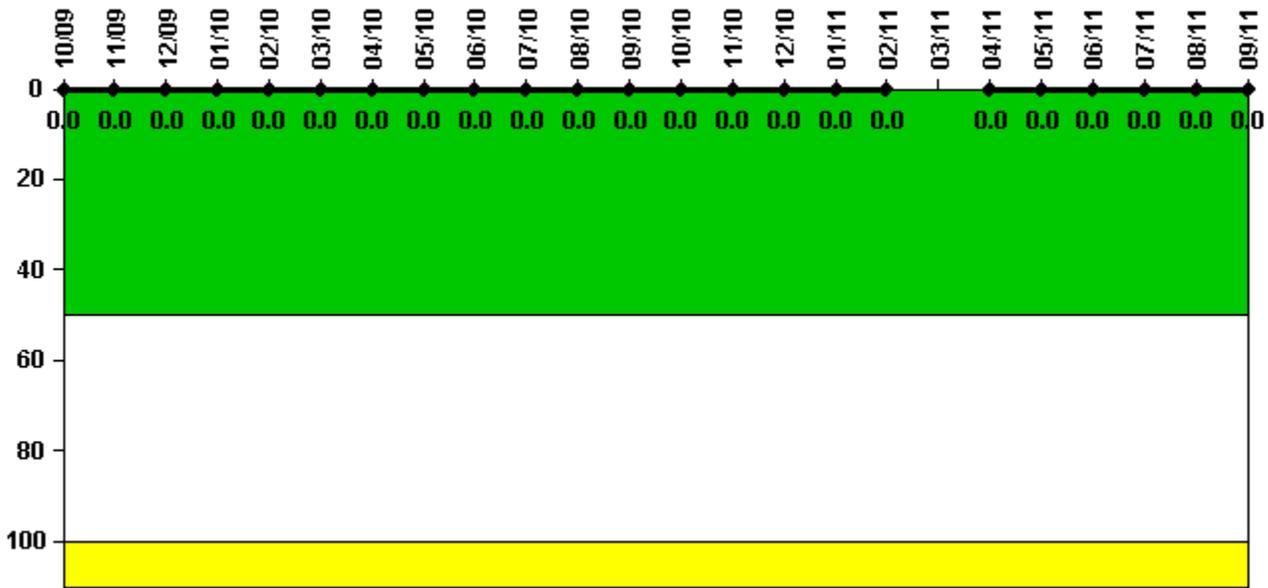
| Mitigating Systems Performance Index, Cooling Water Systems | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|----------|----------|----------|----------|----------|----------|----------|-----------|
| UAI (Δ CDF) | 1.40E-07 | 1.75E-08 | 1.71E-08 | 1.37E-08 | 3.52E-10 | 4.12E-10 | 3.87E-10 | 6.27E-08 |
| URI (Δ CDF) | 1.00E-08 | 5.73E-08 | 5.73E-08 | 4.82E-08 | 4.15E-08 | 4.15E-08 | 4.67E-08 | -3.08E-08 |
| PLE | NO |
| Indicator value | 1.50E-07 | 7.50E-08 | 7.40E-08 | 6.20E-08 | 4.20E-08 | 4.20E-08 | 4.70E-08 | 3.20E-08 |

Licensee Comments:

3Q/11: Changed PRA Parameter(s). Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 Rev 005 to reflect BFN CAFTA PRA Model Rev 3 which was approved in June 2011. MSPI PRA Parameters based on this model are effective as of Third Quarter 2011.

2Q/11: Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 rev 003 to correct PRA Model errors associated with the modeling of EECW (Cooling Water System 2) North Header Unavailability and not modeling a failure of a normally operating EECW pump to restart following loss of offsite power. These changes are effective as of Second Quarter 2011.

Reactor Coolant System Activity



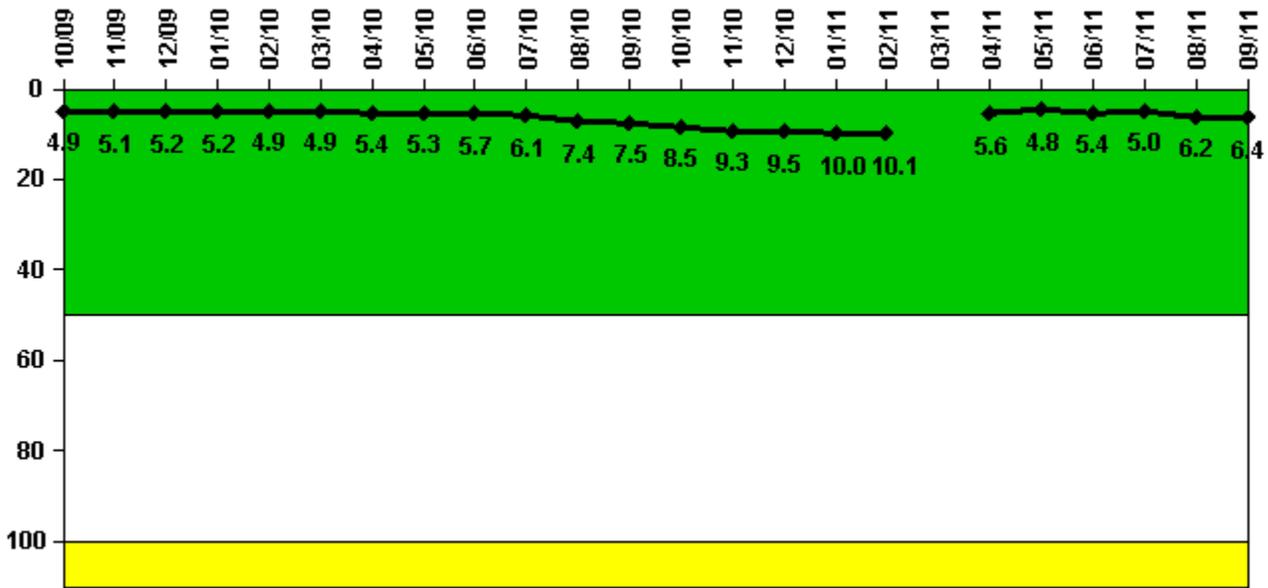
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Activity | 10/09 | 11/09 | 12/09 | 1/10 | 2/10 | 3/10 | 4/10 | 5/10 | 6/10 | 7/10 | 8/10 | 9/10 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000074 | 0.000079 | 0.000079 | 0.000078 | 0.000104 | 0.000084 | 0.000134 | 0.000078 | 0.000072 | 0.000039 | 0.000037 | 0.000137 |
| Technical specification limit | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reactor Coolant System Activity | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 | 4/11 | 5/11 | 6/11 | 7/11 | 8/11 | 9/11 |
| Maximum activity | 0.000091 | 0.000116 | 0.000082 | 0.000084 | 0.000104 | N/A | 0.000072 | 0.000041 | 0.000064 | 0.000039 | 0.000033 | 0.000057 |
| Technical specification limit | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | N/A | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Leakage



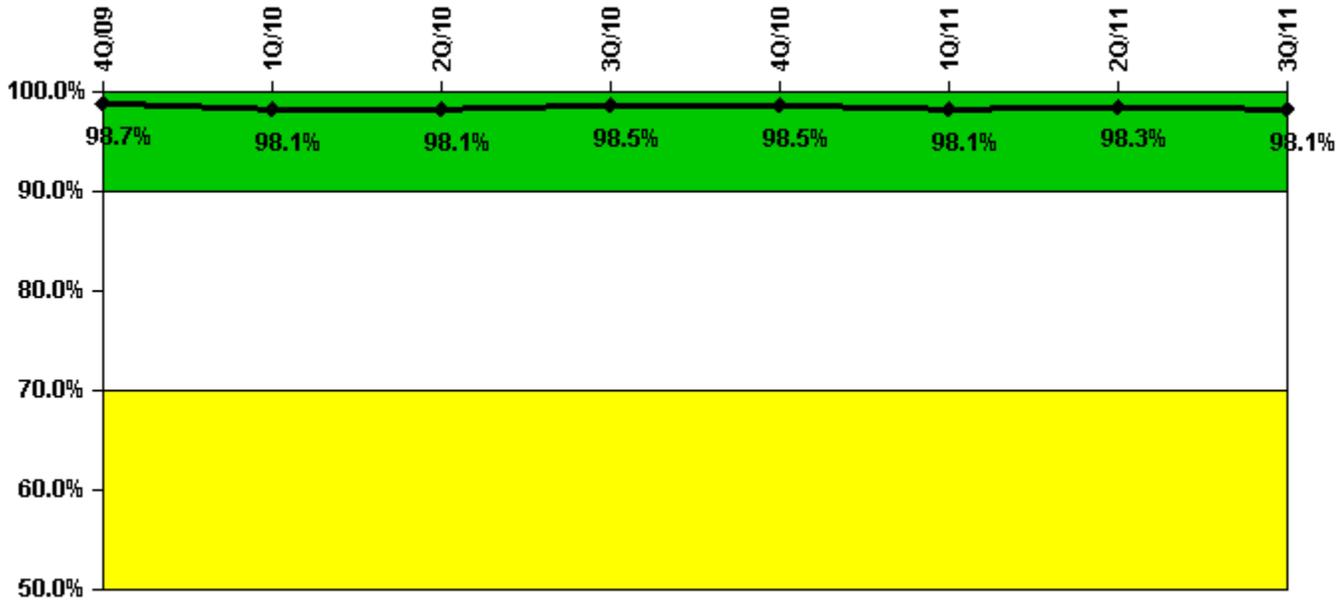
Thresholds: White > 50.0 Yellow > 100.0

Notes

| | | | | | | | | | | | | |
|---------------------------------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Reactor Coolant System Leakage | 10/09 | 11/09 | 12/09 | 1/10 | 2/10 | 3/10 | 4/10 | 5/10 | 6/10 | 7/10 | 8/10 | 9/10 |
| Maximum leakage | 1.460 | 1.540 | 1.560 | 1.550 | 1.470 | 1.470 | 1.630 | 1.580 | 1.700 | 1.820 | 2.210 | 2.260 |
| 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 | 4.9 | 5.1 | 5.2 | 5.2 | 4.9 | 4.9 | 5.4 | 5.3 | 5.7 | 6.1 | 7.4 | 7.5 |
| Reactor Coolant System Leakage | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 | 4/11 | 5/11 | 6/11 | 7/11 | 8/11 | 9/11 |
| Maximum leakage | 2.560 | 2.790 | 2.850 | 3.000 | 3.020 | N/A | 1.680 | 1.450 | 1.610 | 1.490 | 1.850 | 1.920 |
| 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 | 8.5 | 9.3 | 9.5 | 10.0 | 10.1 | N/A | 5.6 | 4.8 | 5.4 | 5.0 | 6.2 | 6.4 |

Licensee Comments: none

Drill/Exercise Performance



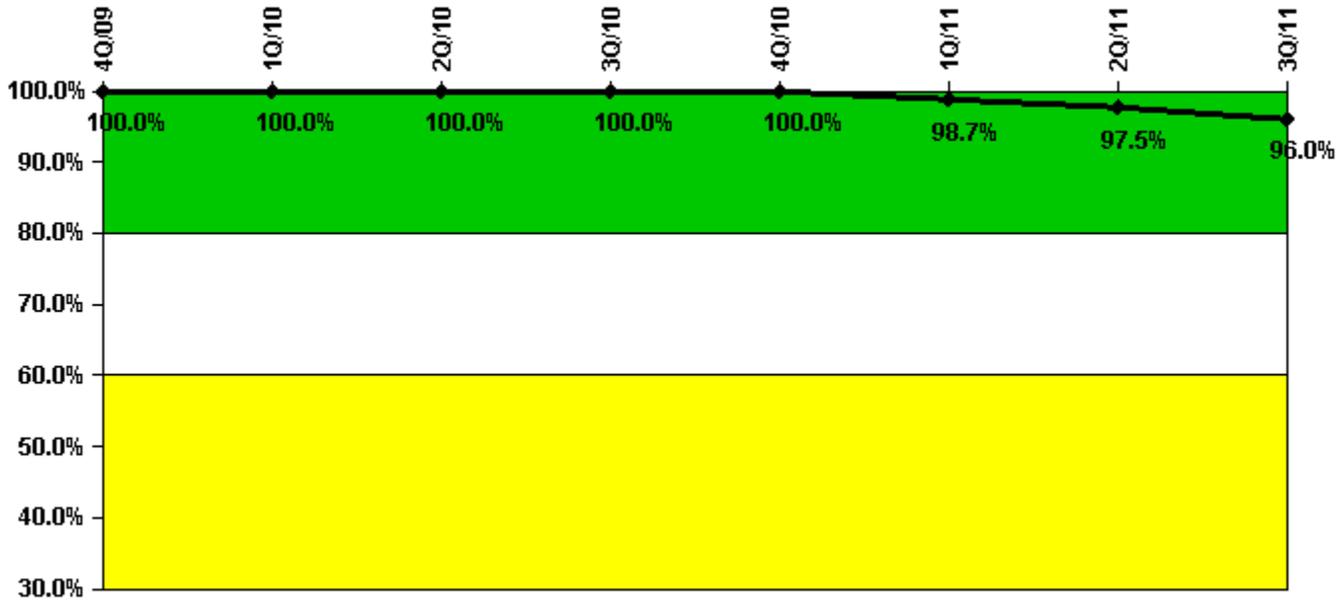
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 71.0 | 5.0 | 8.0 | 50.0 | 39.0 | 25.0 | 24.0 | 37.0 |
| Total opportunities | 72.0 | 6.0 | 8.0 | 50.0 | 40.0 | 26.0 | 24.0 | 38.0 |
| | | | | | | | | |
| Indicator value | 98.7% | 98.1% | 98.1% | 98.5% | 98.5% | 98.1% | 98.3% | 98.1% |

Licensee Comments: none

ERO Drill Participation



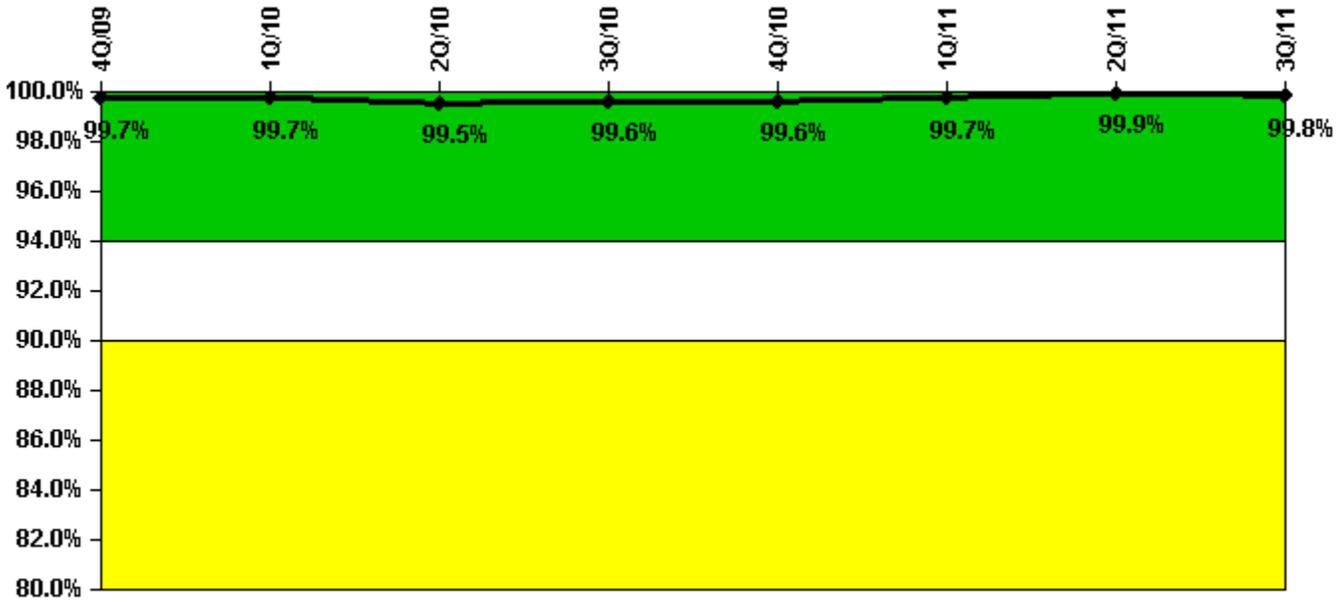
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|-----------------------------|--------|--------|--------|--------|--------|-------|-------|-------|
| Participating Key personnel | 69.0 | 72.0 | 73.0 | 73.0 | 74.0 | 76.0 | 77.0 | 72.0 |
| Total Key personnel | 69.0 | 72.0 | 73.0 | 73.0 | 74.0 | 77.0 | 79.0 | 75.0 |
| | | | | | | | | |
| Indicator value | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 98.7% | 97.5% | 96.0% |

Licensee Comments: none

Alert & Notification System



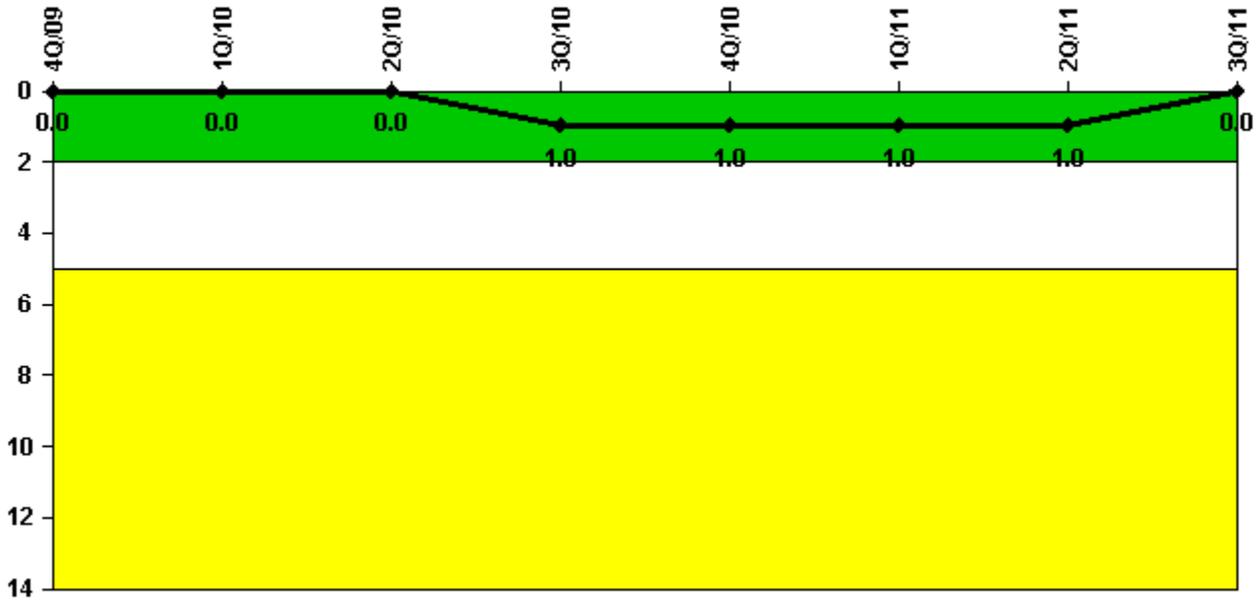
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 698 | 897 | 693 | 898 | 699 | 700 | 599 | 896 |
| Total sirens-tests | 700 | 900 | 700 | 900 | 700 | 700 | 600 | 900 |
| Indicator value | 99.7% | 99.7% | 99.5% | 99.6% | 99.6% | 99.7% | 99.9% | 99.8% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



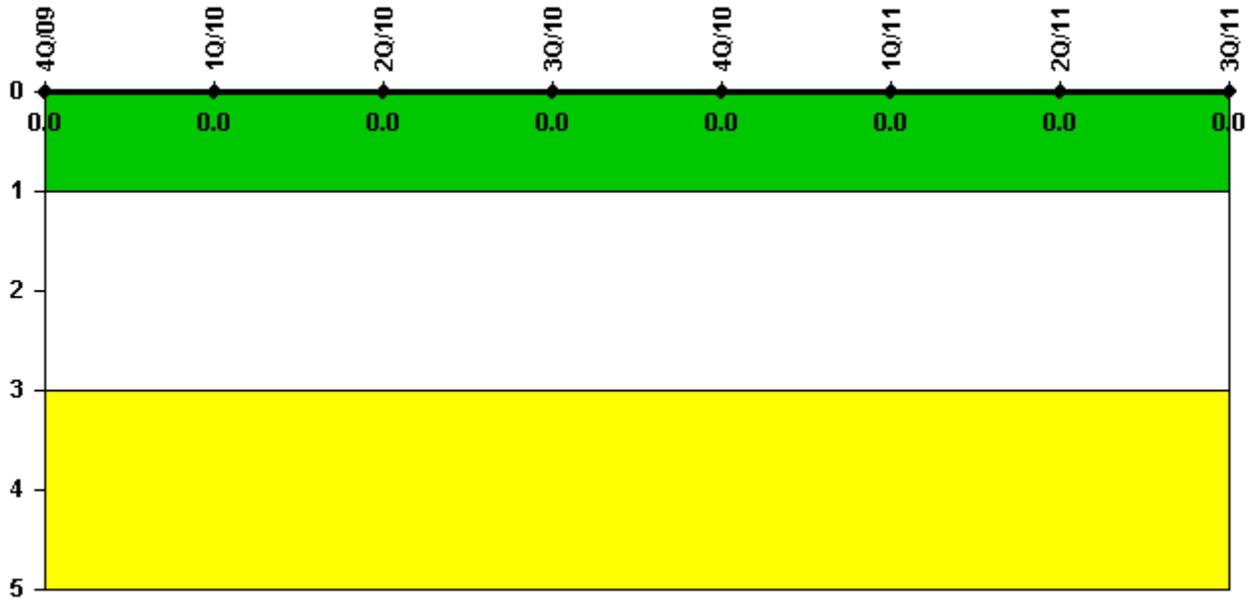
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences | 0 | 0 | 0 | 1 | 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 | 1 | 1 | 1 | 1 | 0 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

| RETS/ODCM Radiological Effluent | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/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.