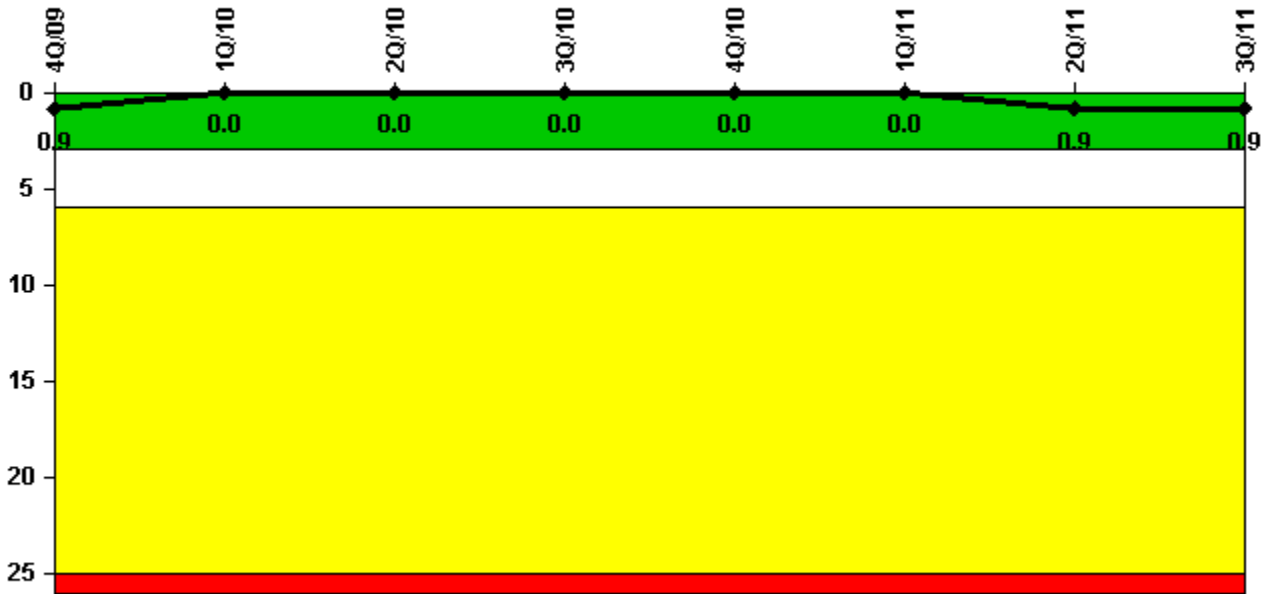


Browns Ferry 1

3Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



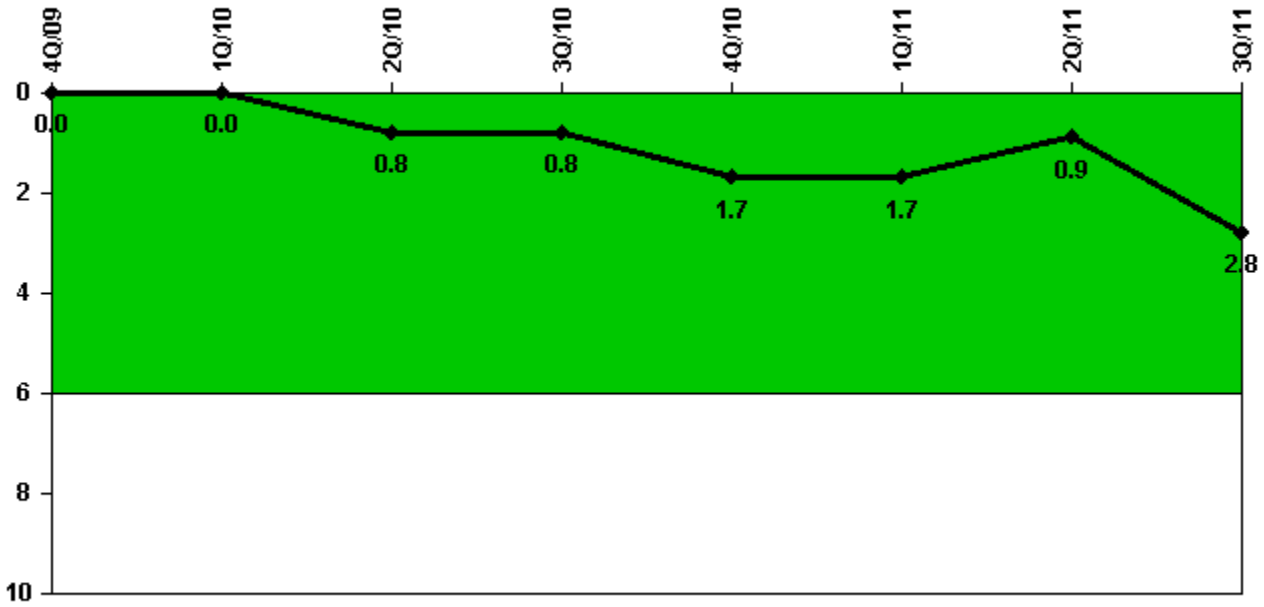
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	1.0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1475.8	2159.0	1646.9	2208.0
Indicator value	0.9	0	0	0	0	0	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



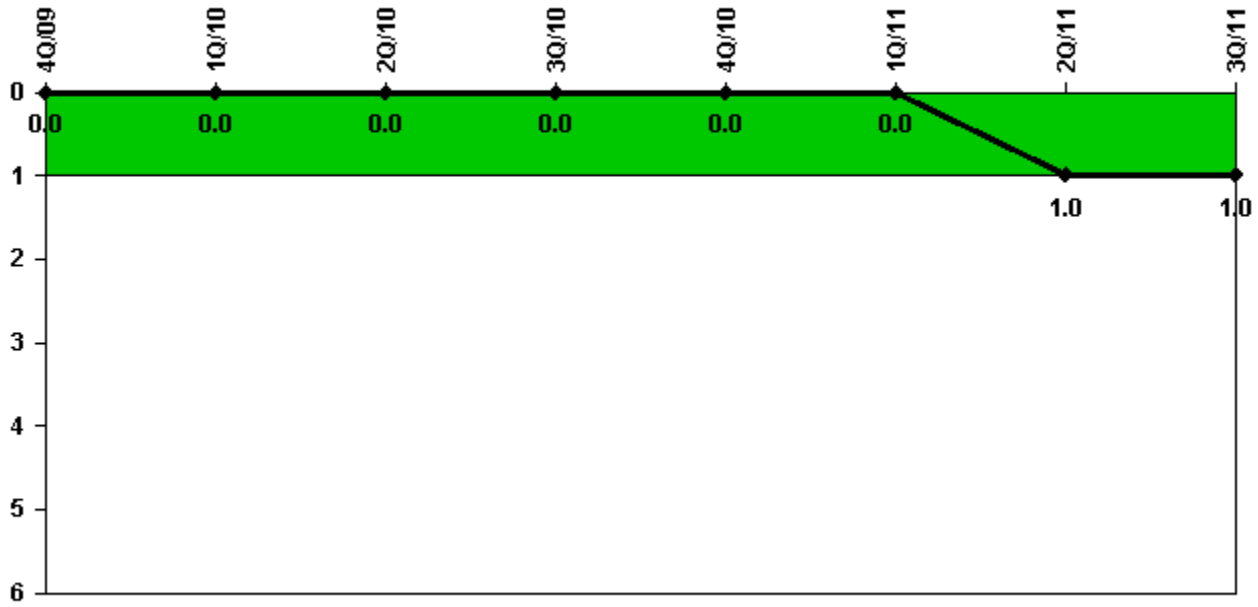
Thresholds: White > 6.0

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	0	1.0	0	1.0	0	0	2.0
Critical hours	2209.0	2159.0	2184.0	2208.0	1475.8	2159.0	1646.9	2208.0
Indicator value	0	0	0.8	0.8	1.7	1.7	0.9	2.8

Licensee Comments: none

Unplanned Scrams with Complications



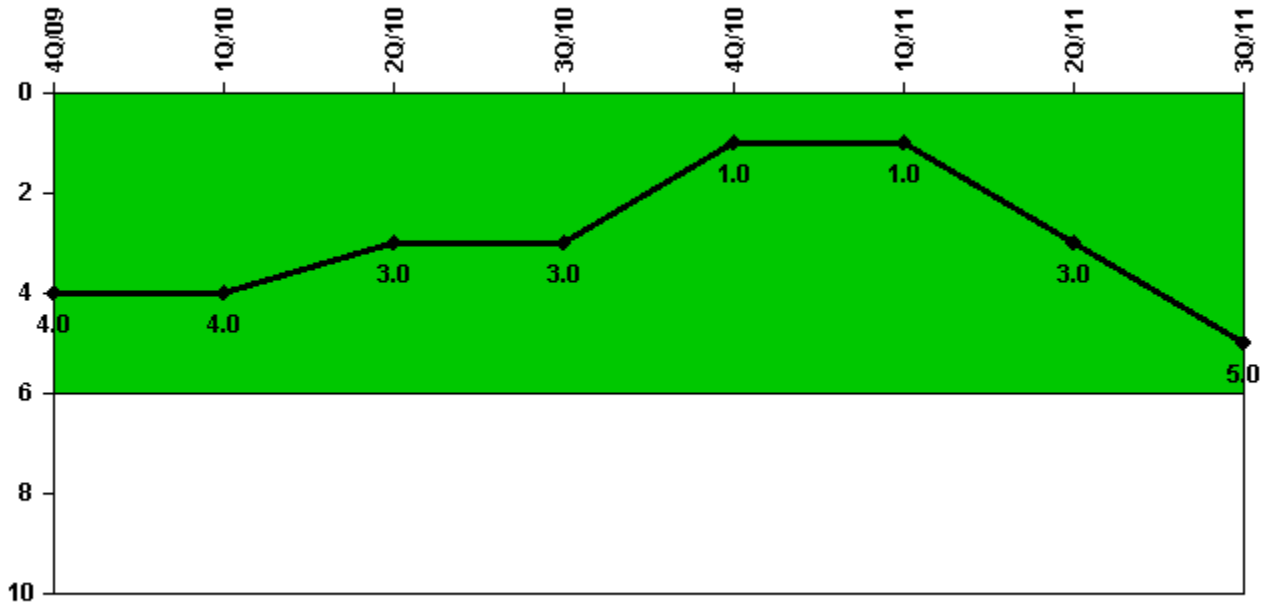
Thresholds: White > 1.0

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	1.0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

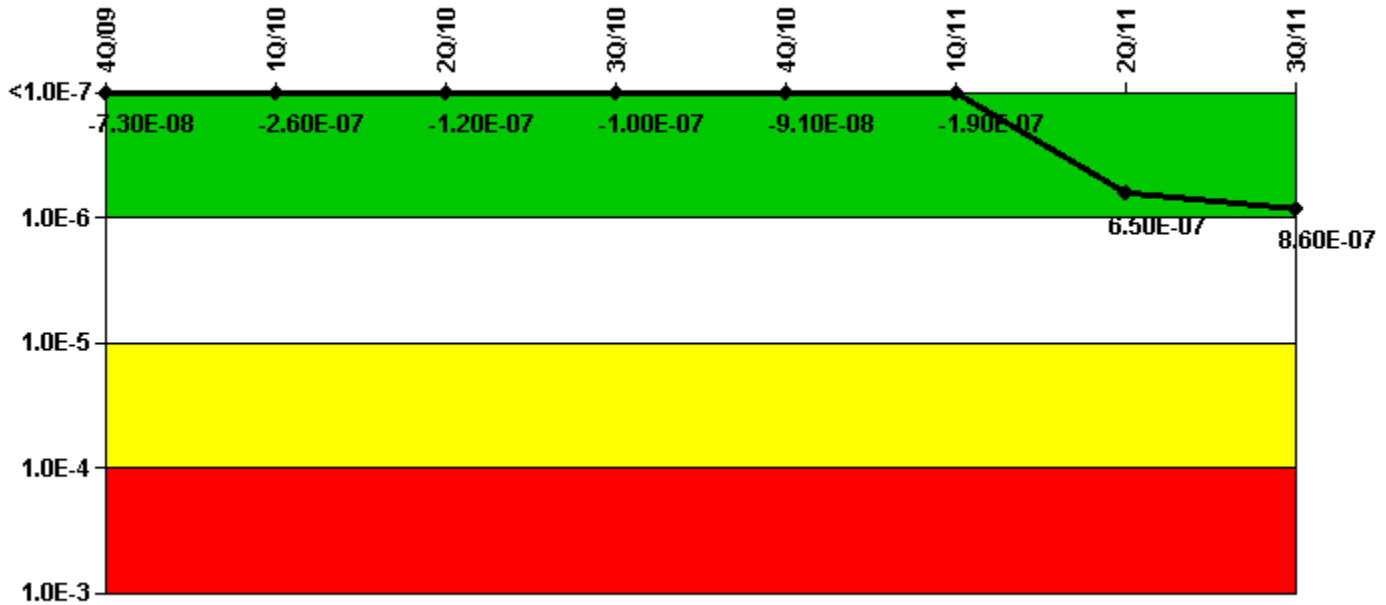
Notes

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	3	0	0	0	1	0	2	2
Indicator value	4	4	3	3	1	1	3	5

Licensee Comments:

3Q/11: LER 259/2011-003-00, Loss of Safety Function (SDC) Resulting from Emergency Diesel Generator Output Breaker Trip LER 259/2011-006-00, Loss of Safety Function (HPCI) Due to Primary Containment Isolation

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

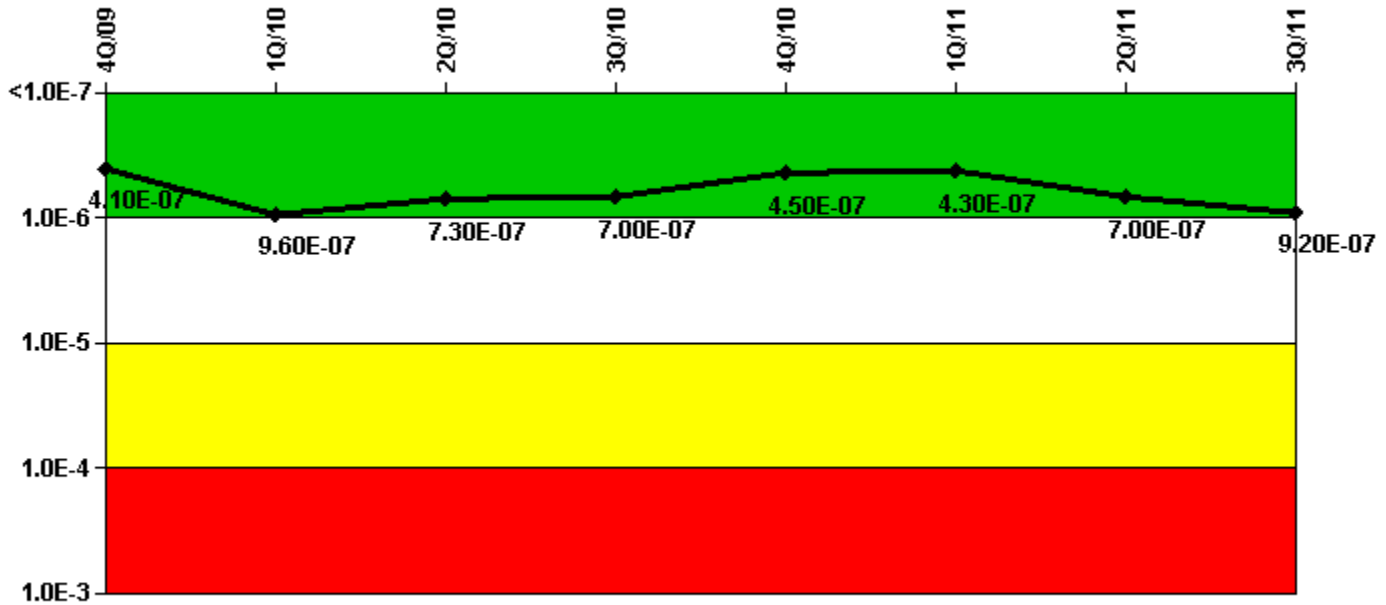
Mitigating Systems Performance Index, Emergency AC Power System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	1.10E-08	1.49E-07	1.49E-07	1.68E-07	7.59E-08	6.18E-08	5.65E-08	1.18E-07
URI (Δ CDF)	-8.40E-08	-4.07E-07	-2.70E-07	-2.70E-07	-1.67E-07	-2.52E-07	5.90E-07	7.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.30E-08	-2.60E-07	-1.20E-07	-1.00E-07	-9.10E-08	-1.90E-07	6.50E-07	8.60E-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 ($8.76E-07$) 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

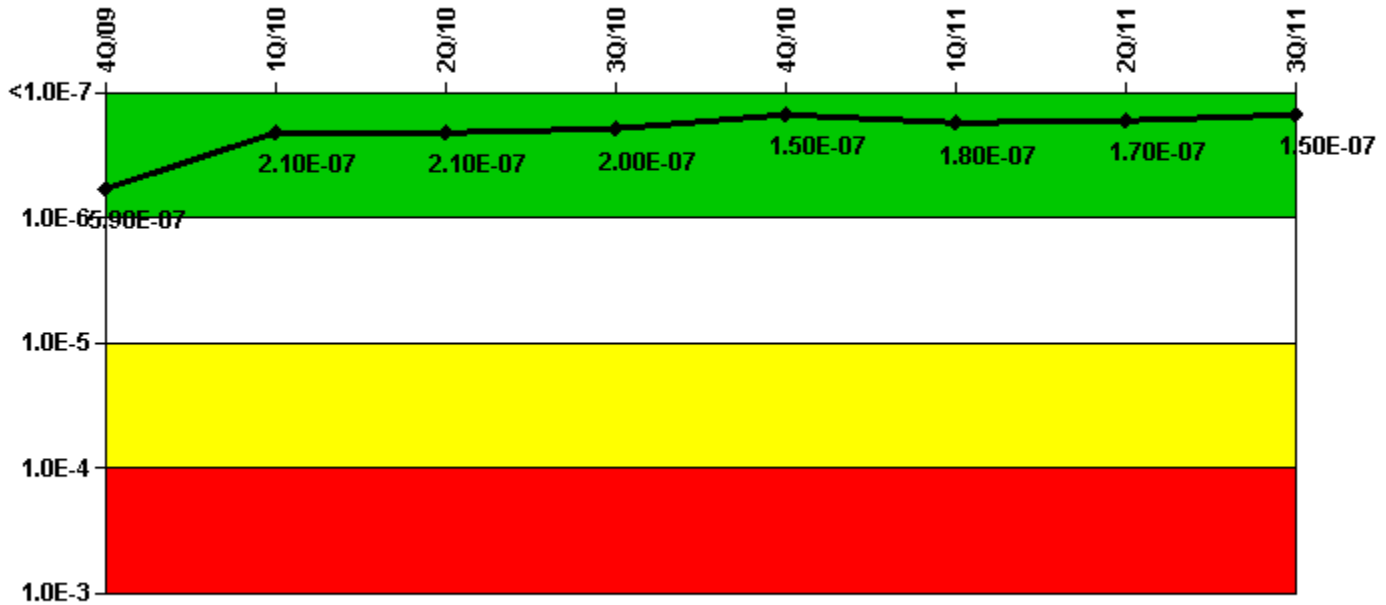
Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	3.38E-07	7.97E-07	5.65E-07	5.38E-07	3.49E-07	3.33E-07	2.23E-07	3.33E-07
URI (ΔCDF)	7.45E-08	1.64E-07	1.61E-07	1.60E-07	1.01E-07	1.00E-07	4.72E-07	5.91E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.10E-07	9.60E-07	7.30E-07	7.00E-07	4.50E-07	4.30E-07	7.00E-07	9.20E-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: Unplanned Unavailability resulted from discharge check valve hanging open, causing pump suction overpressure event, causing external leakage, which caused DC motor on aux oil pump to fail. See report #678. 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

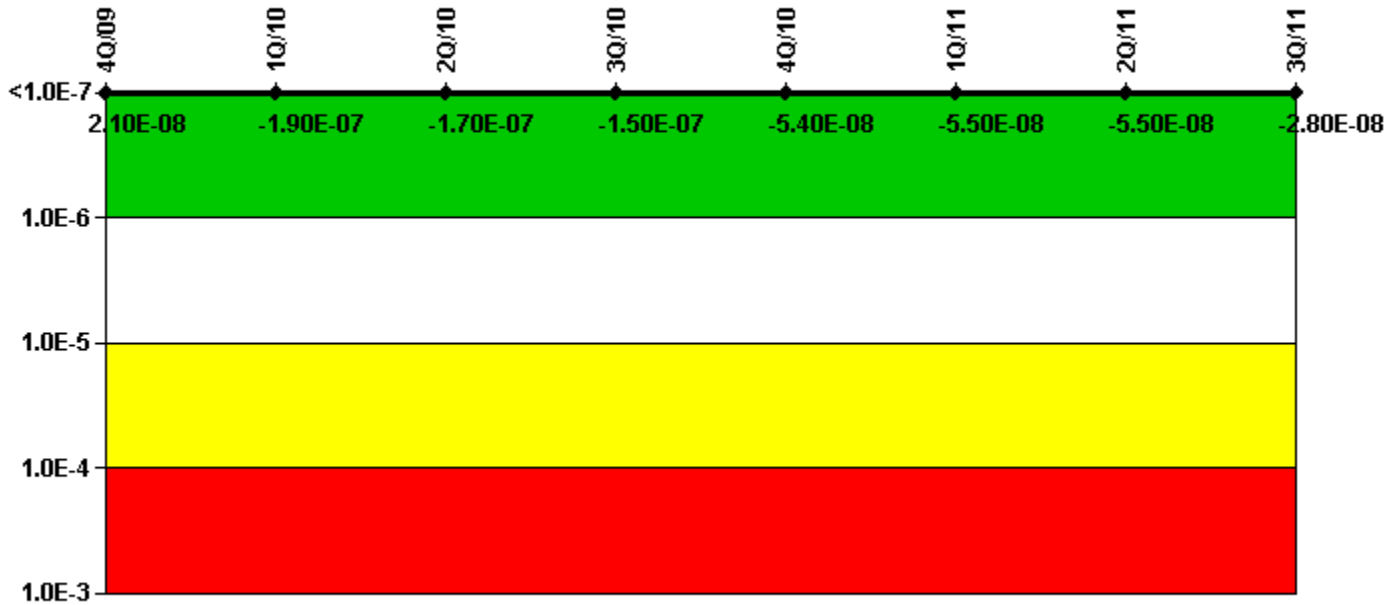
Mitigating Systems Performance Index, Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	1.90E-07	6.79E-08	6.25E-08	6.22E-08	3.16E-08	6.29E-08	5.82E-08	6.66E-08
URI (ΔCDF)	4.00E-07	1.46E-07	1.43E-07	1.42E-07	1.19E-07	1.17E-07	1.15E-07	8.24E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.90E-07	2.10E-07	2.10E-07	2.00E-07	1.50E-07	1.80E-07	1.70E-07	1.50E-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

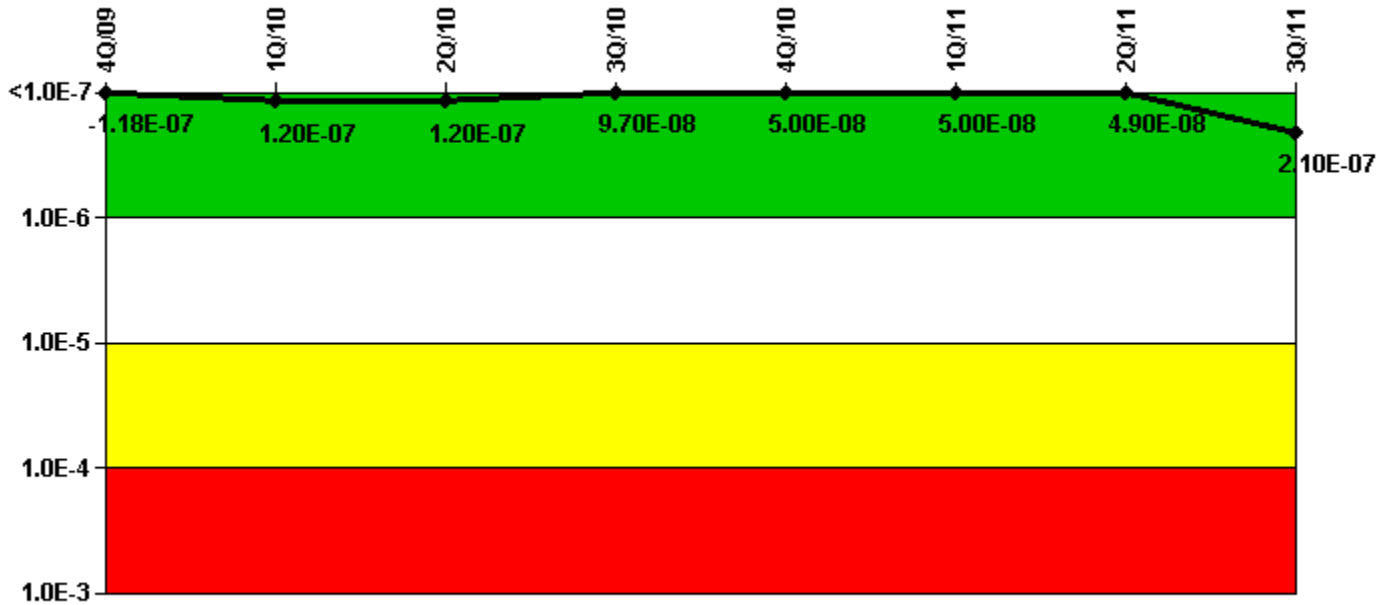
Mitigating Systems Performance Index, Residual Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	1.68E-07	6.63E-09	6.78E-09	2.26E-08	1.77E-09	1.90E-09	1.80E-09	3.08E-09
URI (Δ CDF)	-1.47E-07	-1.95E-07	-1.78E-07	-1.76E-07	-5.62E-08	-5.66E-08	-5.65E-08	-3.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.10E-08	-1.90E-07	-1.70E-07	-1.50E-07	-5.40E-08	-5.50E-08	-5.50E-08	-2.80E-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.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

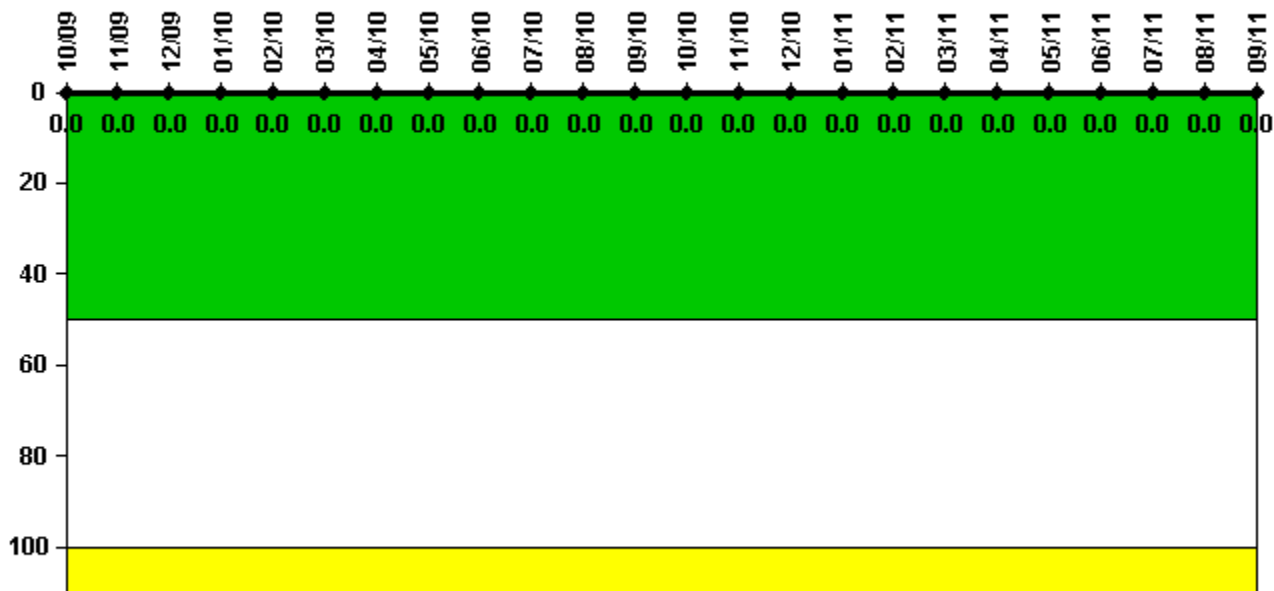
Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	1.20E-08	6.21E-08	5.72E-08	5.35E-08	3.46E-09	3.46E-09	2.84E-09	2.62E-07
URI (Δ CDF)	-1.30E-07	5.99E-08	5.99E-08	4.40E-08	4.68E-08	4.68E-08	4.62E-08	-5.68E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.18E-07	1.20E-07	1.20E-07	9.70E-08	5.00E-08	5.00E-08	4.90E-08	2.10E-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.

Reactor Coolant System Activity



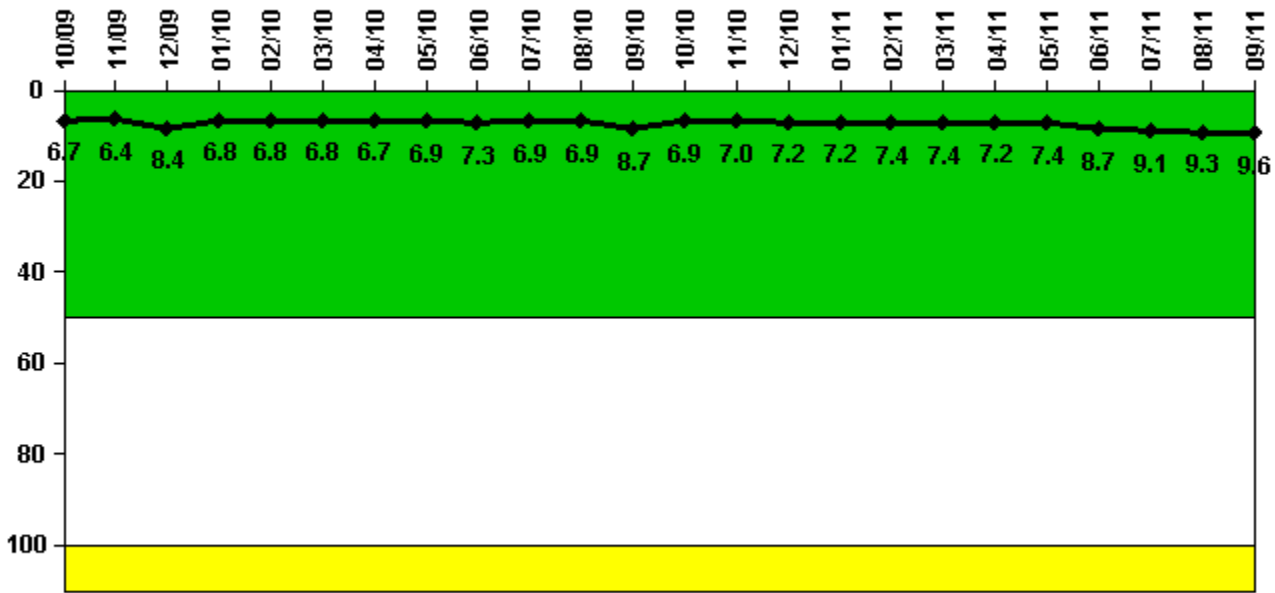
Thresholds: White > 50.0 Yellow > 100.0

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	0.000046	0.000068	0.000078	0.000097	0.000086	0.000086	0.000052	0.000046	0.000044	0.000049	0.000046	0.000103
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	0.000116	0.000067	0.000088	0.000073	0.000081	0.000067	0.000068	0.000055	0.000160	0.000077	0.000079	0.000083
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

Licensee Comments: none

Reactor Coolant System Leakage



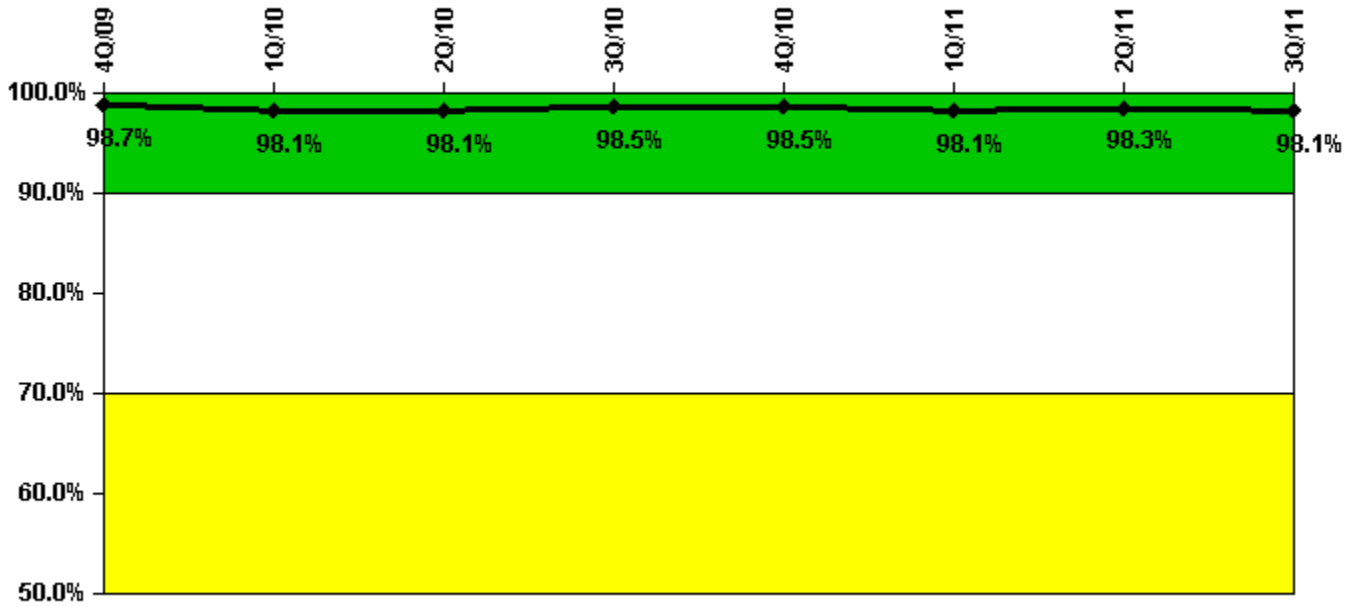
Thresholds: White > 50.0 Yellow > 100.0

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	2.010	1.930	2.510	2.040	2.030	2.040	2.020	2.060	2.180	2.080	2.080	2.600
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	6.7	6.4	8.4	6.8	6.8	6.8	6.7	6.9	7.3	6.9	6.9	8.7
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	2.070	2.110	2.150	2.170	2.230	2.220	2.170	2.230	2.600	2.730	2.780	2.890
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	6.9	7.0	7.2	7.2	7.4	7.4	7.2	7.4	8.7	9.1	9.3	9.6

Licensee Comments: none

Drill/Exercise Performance



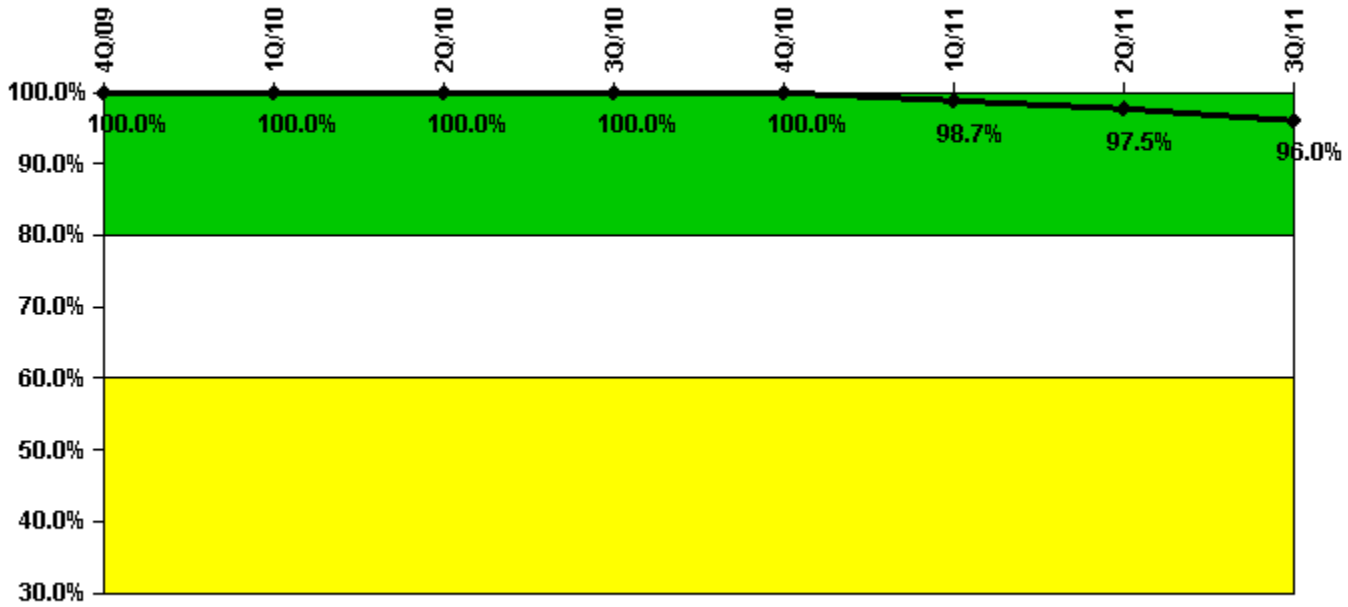
Thresholds: White < 90.0% Yellow < 70.0%

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



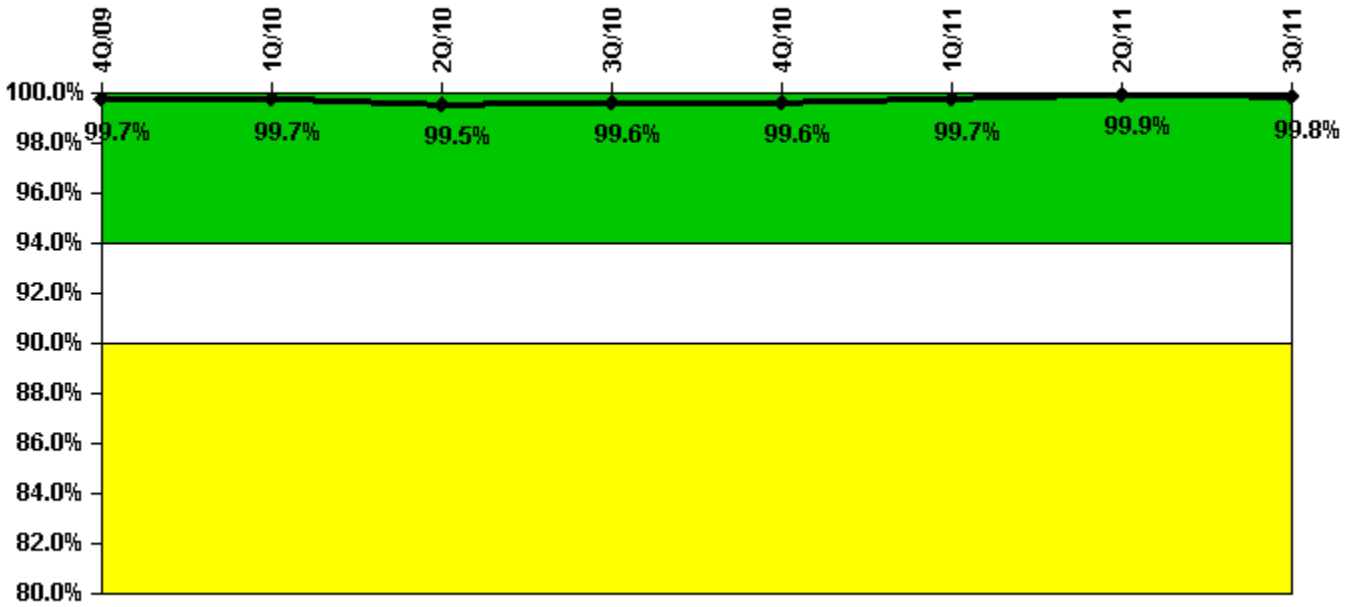
Thresholds: White < 80.0% Yellow < 60.0%

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



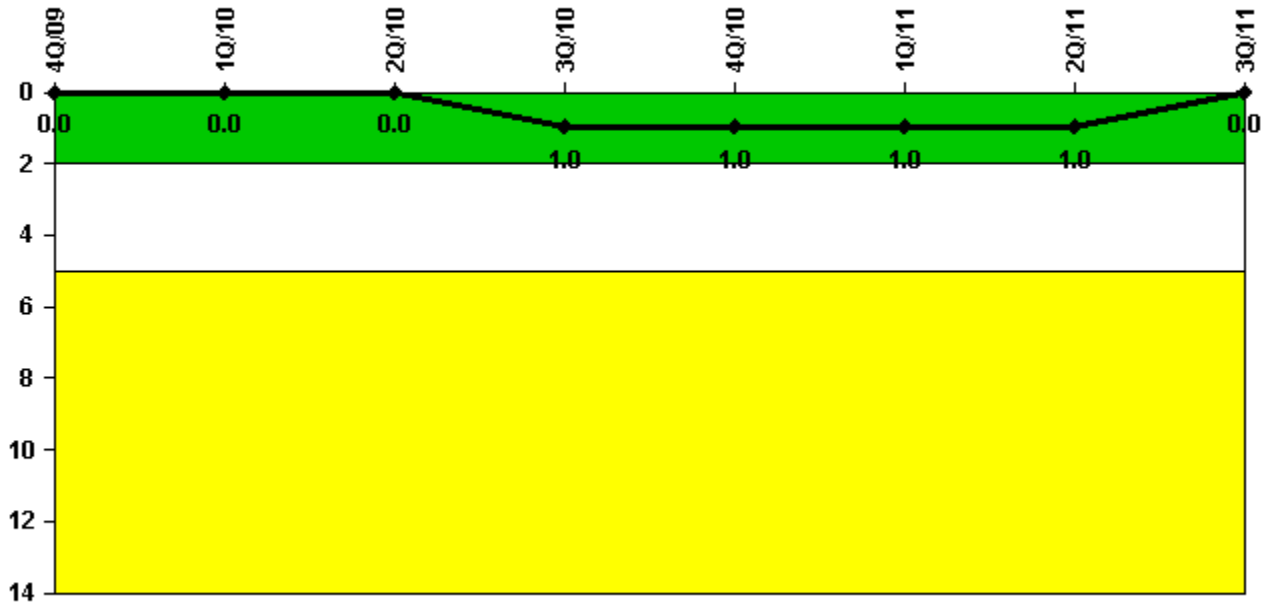
Thresholds: White < 94.0% Yellow < 90.0%

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.