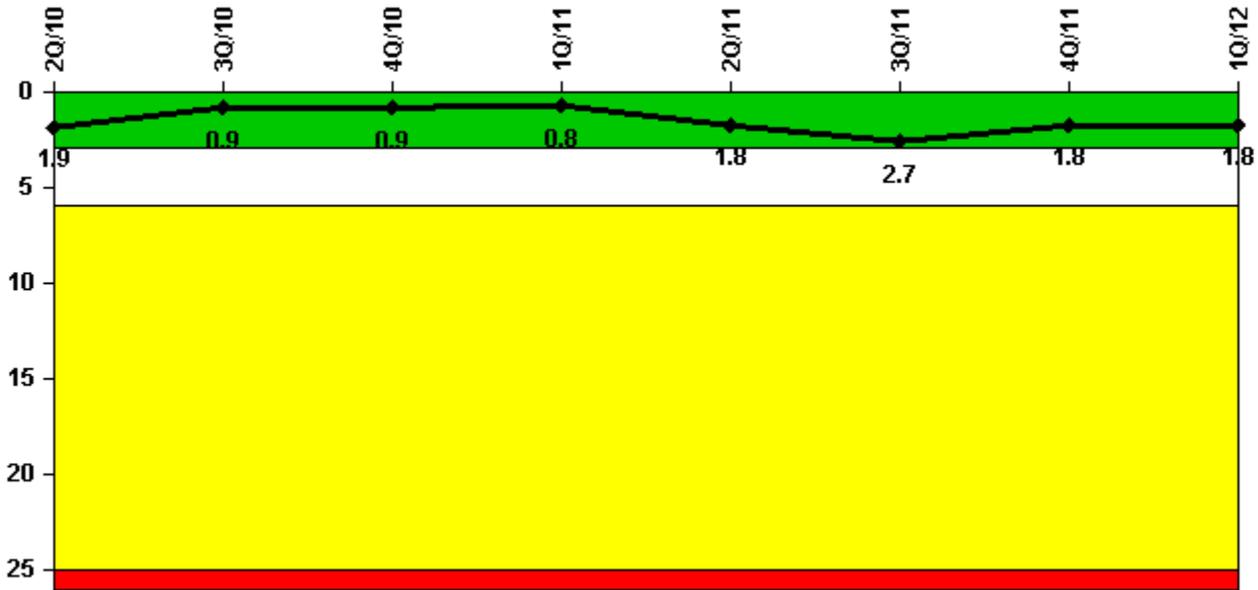


Browns Ferry 3

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



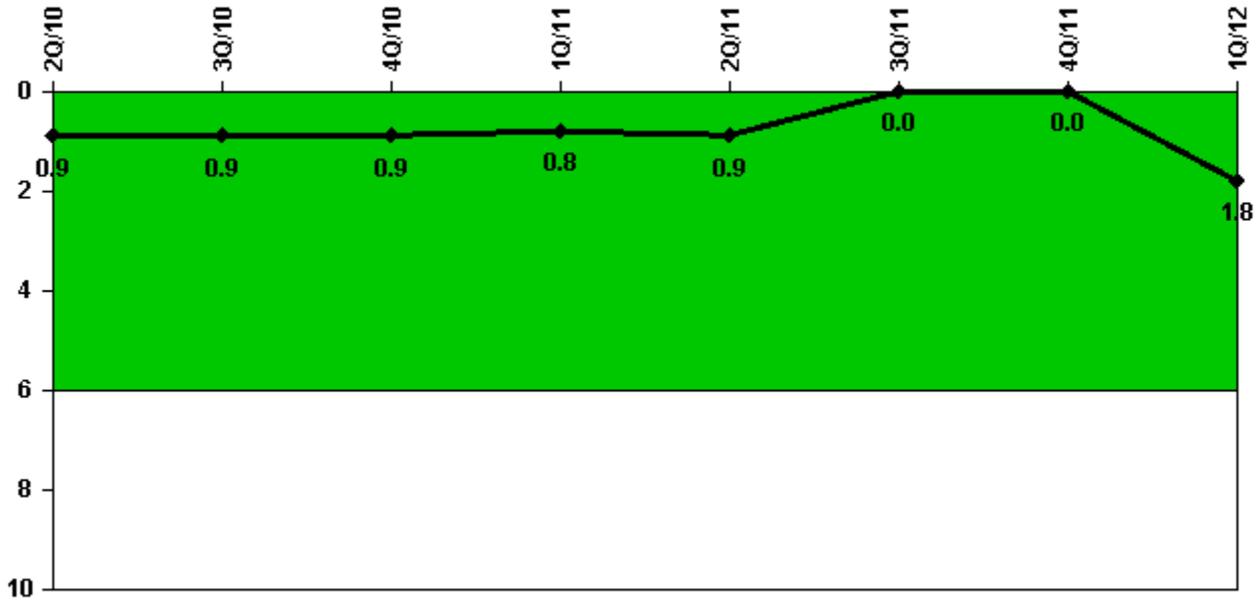
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	1.0	0	1.0	1.0	0	0
Critical hours	2019.7	2169.4	2081.4	2038.5	1380.3	2165.1	2209.0	2183.0
Indicator value	1.9	0.9	0.9	0.8	1.8	2.7	1.8	1.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



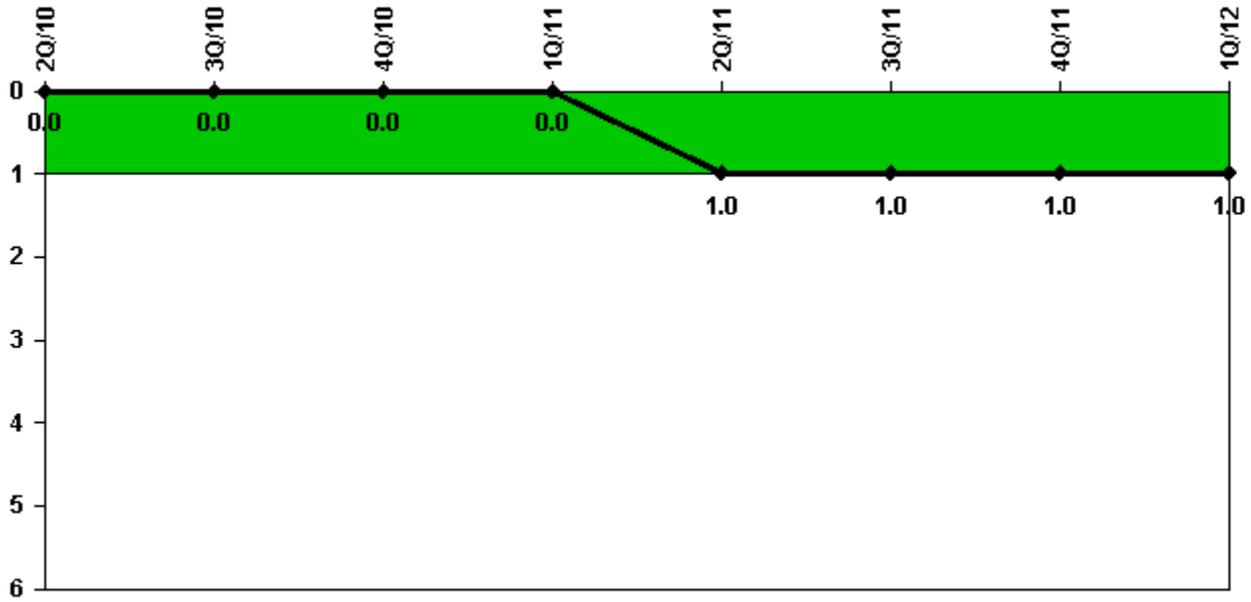
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	1.0	0	0	0	0	0	2.0
Critical hours	2019.7	2169.4	2081.4	2038.5	1380.3	2165.1	2209.0	2183.0
Indicator value	0.9	0.9	0.9	0.8	0.9	0	0	1.8

Licensee Comments: none

Unplanned Scrams with Complications



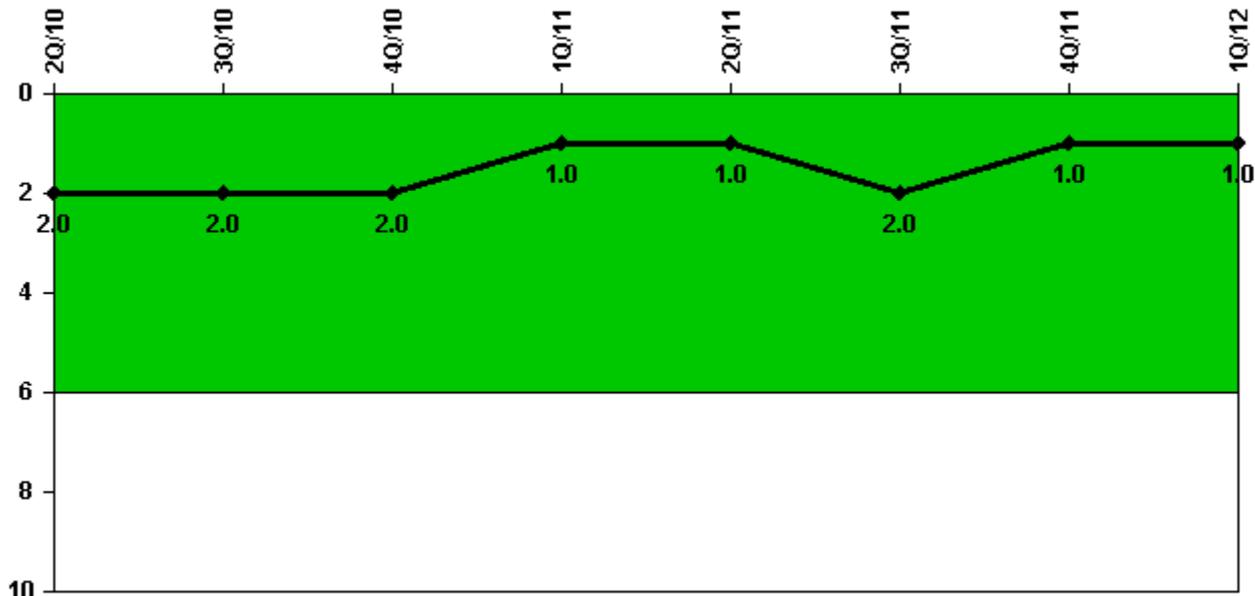
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Scrams with complications	0	0	0	0	1.0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

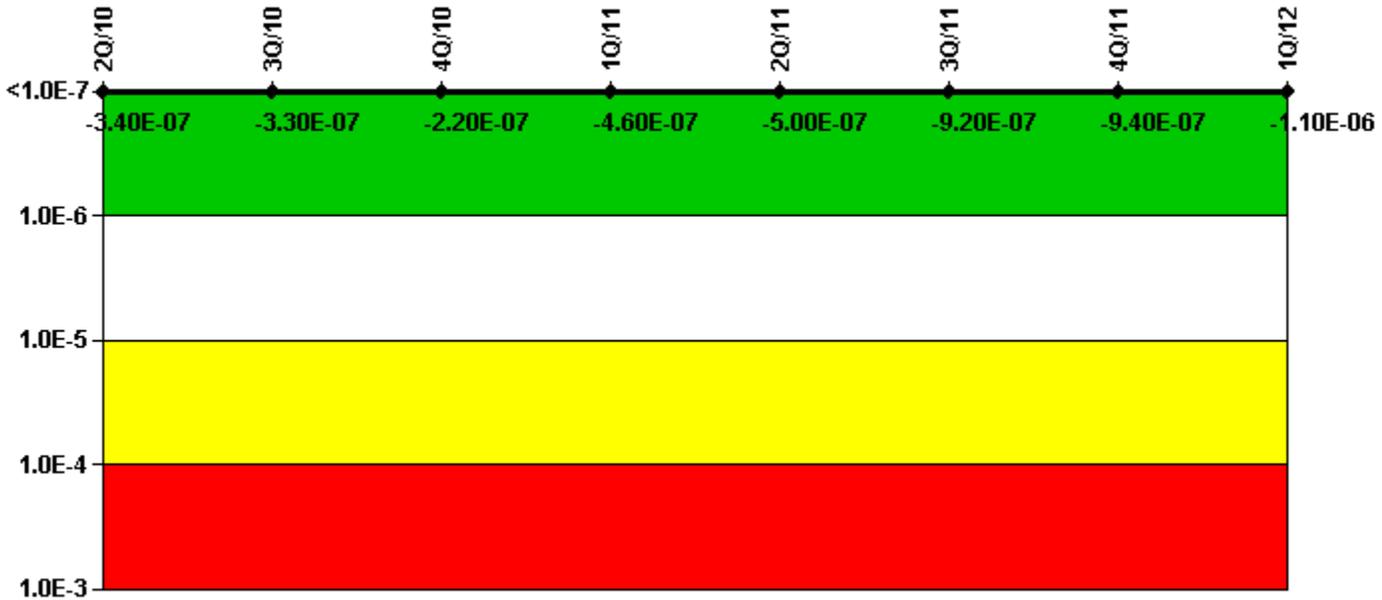
Safety System Functional Failures (BWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	0	1	0	0	1	0	0
Indicator value	2	2	2	1	1	2	1	1

Licensee Comments:

3Q/11: LER 296/2011-001-00, Loss of Shutdown Cooling (RHR)

4Q/10: LER 259/2010-001-00 (Units 1, 2, 3) - Unit 1, 2, and 3 Appendix R Safe Shutdown Instruction Procedures Contain Incorrect Operator Manual Actions

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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	1.18E-07	1.21E-07	6.66E-08	4.76E-08	1.33E-08	8.44E-08	6.34E-08	7.07E-08
URI (Δ CDF)	-4.56E-07	-4.56E-07	-2.84E-07	-5.07E-07	-5.11E-07	-1.01E-06	-1.01E-06	-1.18E-06
PLE	NO							
Indicator value	-3.40E-07	-3.30E-07	-2.20E-07	-4.60E-07	-5.00E-07	-9.20E-07	-9.40E-07	-1.10E-06

Licensee Comments:

1Q/12: Changed PRA Parameter(s). Revised PRA parameters based on Calculation NDN-000-999-2010-0003 rev 006 to reflect CAFTA PRA Model Revision 4. CAFTA PRA Model Revision 4 was performed in accordance with NEI 99-02 to evaluate the impacts of adjusting the Diesel Generator Baseline Planned Unavailability in conjunction with the 12-Year Diesel Maintenance Outages (FAQ 468). Revised Emergency Diesel Generator run hours to exclude the run hours associated with (1) the first hour of run time after breaker closure and (2) unloaded run hours (FAQ 480). Revised Emergency Diesel Generator supercomponent boundary to include fuel oil transfer pumps/valves (FAQ 484).

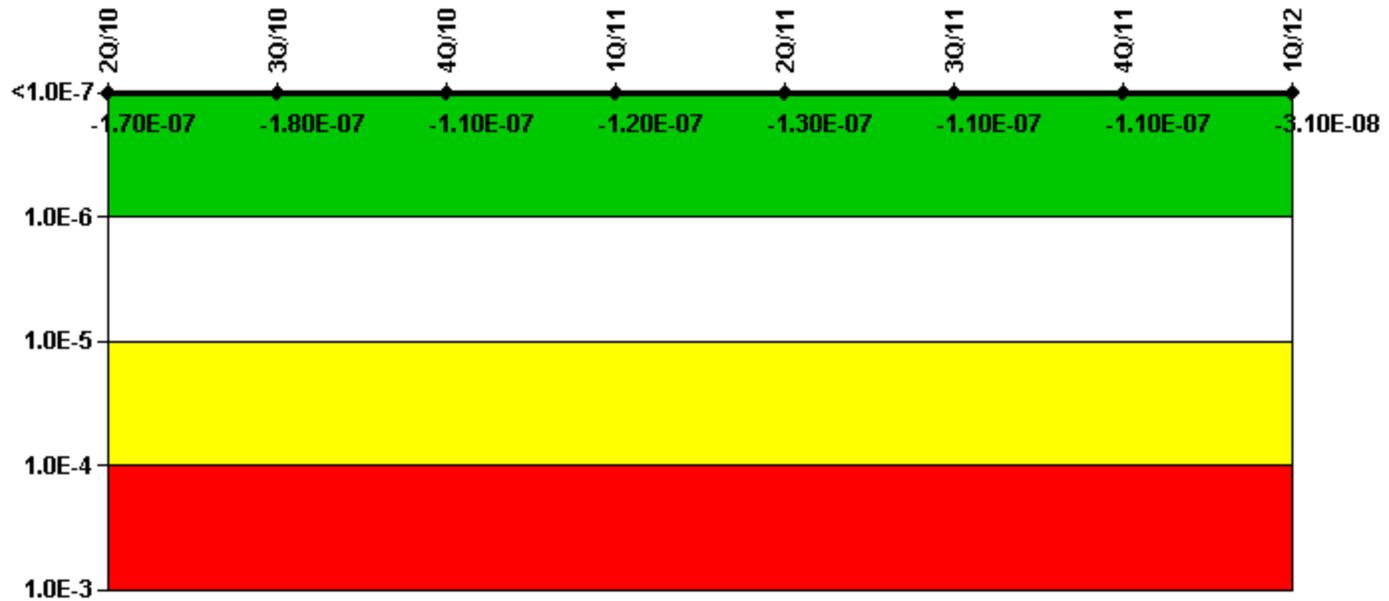
3Q/11: Changed PRA Parameter(s). Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 Rev 005 to reflect BFN CAFTA PRA Model Rev 3 which was approved in June 2011. MSPI PRA Parameters based on this model are effective as of Third Quarter 2011.

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.

4Q/10: In September 2010, Revision 2 of the Browns Ferry CAFTA PRA Model became the model of record. All MSPI Parameters have been updated to reflect Revision 2 of the PRA model effective October 2010.

4Q/10: Changed PRA Parameter(s). In September 2010, Revision 2 of the Browns Ferry CAFTA PRA Model became the model of record. All MSPI Parameters have been updated to reflect Revision 2 of the PRA model

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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	1.86E-08	7.90E-09	4.54E-09	2.75E-09	1.99E-09	1.74E-09	1.74E-09	7.25E-08
URI (Δ CDF)	-1.91E-07	-1.92E-07	-1.19E-07	-1.20E-07	-1.30E-07	-1.10E-07	-1.11E-07	-1.04E-07
PLE	NO							
Indicator value	-1.70E-07	-1.80E-07	-1.10E-07	-1.20E-07	-1.30E-07	-1.10E-07	-1.10E-07	-3.10E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s). Revised PRA parameters based on Calculation NDN-000-999-2010-0003 rev 006 to reflect CAFTA PRA Model Revision 4. CAFTA PRA Model Revision 4 was performed in accordance with NEI 99-02 to evaluate the impacts of adjusting the Diesel Generator Baseline Planned Unavailability in conjunction with the 12-Year Diesel Maintenance Outages (FAQ 468).

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.

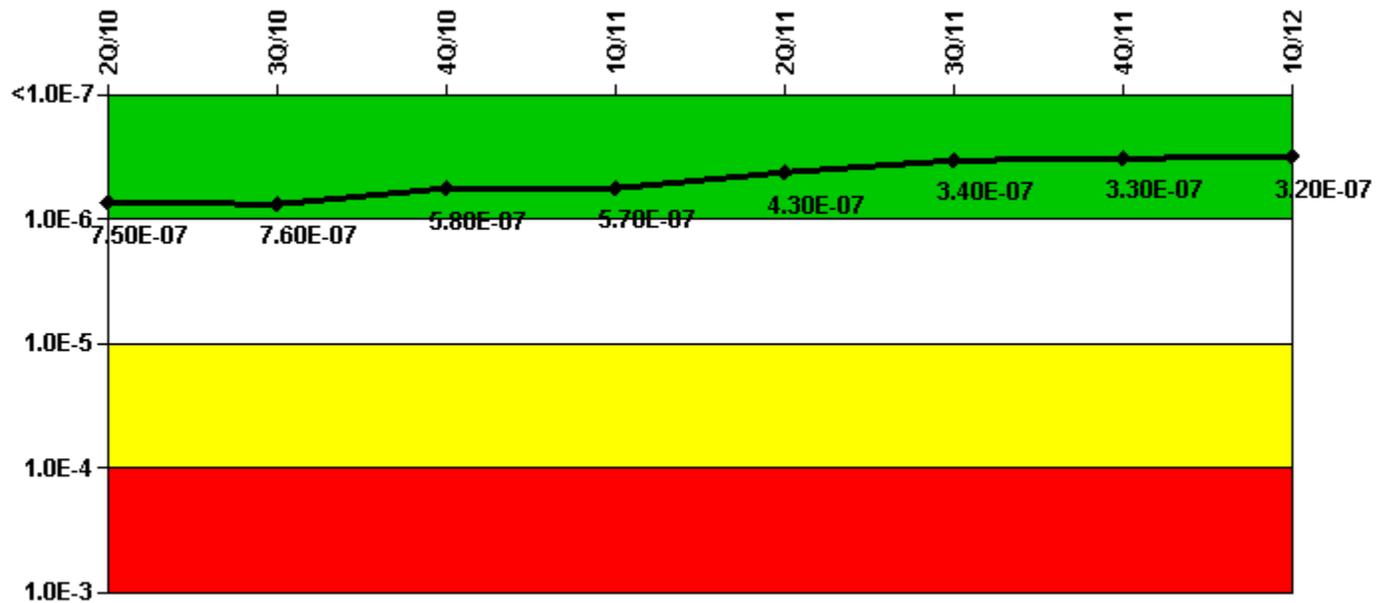
2Q/11: Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 rev 003 to correct PRA Model errors associated with the modeling of EECW (Cooling Water System 2) North Header Unavailability and not modeling a failure of a normally operating EECW pump to restart following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

4Q/10: Changed PRA Parameter(s). In September 2010, Revision 2 of the Browns Ferry CAFTA PRA Model became the model of record. All MSPI Parameters have been updated to reflect Revision 2 of the PRA model effective October 2010.

4Q/10: In September 2010, Revision 2 of the Browns Ferry CAFTA PRA Model became the model of record. All MSPI Parameters have been updated to reflect Revision 2 of the PRA model effective October 2010.

3Q/10: HPCI and RCIC operational demands changed to estimates from actuals for all 3 units.

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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	6.32E-08	7.00E-08	2.75E-08	2.63E-08	2.20E-08	2.38E-08	2.31E-08	2.23E-08
URI (ΔCDF)	6.88E-07	6.87E-07	5.48E-07	5.48E-07	4.08E-07	3.11E-07	3.11E-07	3.00E-07
PLE	NO							
Indicator value	7.50E-07	7.60E-07	5.80E-07	5.70E-07	4.30E-07	3.40E-07	3.30E-07	3.20E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s). Revised PRA parameters based on Calculation NDN-000-999-2010-0003 rev 006 to reflect CAFTA PRA Model Revision 4. CAFTA PRA Model Revision 4 was performed in accordance with NEI 99-02 to evaluate the impacts of adjusting the Diesel Generator Baseline Planned Unavailability in conjunction with the 12-Year Diesel Maintenance Outages (FAQ 468).

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.

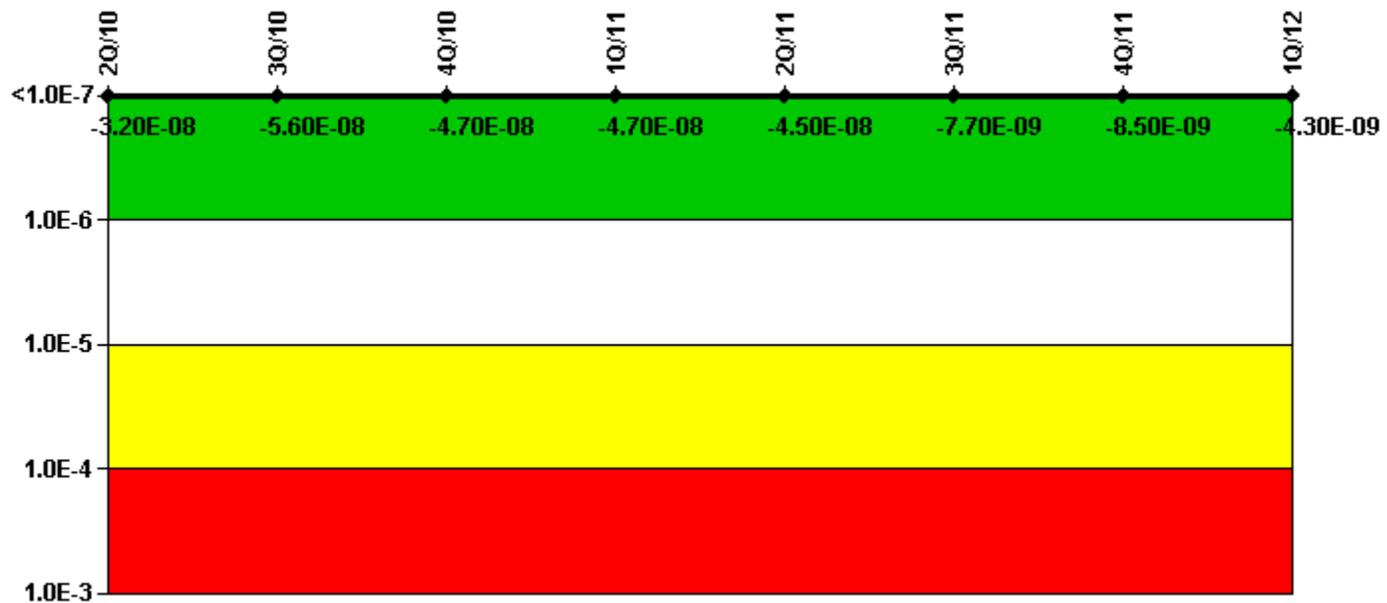
2Q/11: Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 rev 003 to correct PRA Model errors associated with the modeling of EECW (Cooling Water System 2) North Header Unavailability and not modeling a failure of a normally operating EECW pump to restart following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

4Q/10: Changed PRA Parameter(s). In September 2010, Revision 2 of the Browns Ferry CAFTA PRA Model became the model of record. All MSPI Parameters have been updated to reflect Revision 2 of the PRA model effective October 2010.

4Q/10: In September 2010, Revision 2 of the Browns Ferry CAFTA PRA Model became the model of record. All MSPI Parameters have been updated to reflect Revision 2 of the PRA model effective October 2010.

3Q/10: HPCI and RCIC operational demands changed to estimates from actuals for all 3 units.

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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	1.65E-08	-7.15E-09	-4.06E-09	-4.10E-09	-4.10E-09	9.37E-09	9.37E-09	1.64E-08
URI (ΔCDF)	-4.88E-08	-4.93E-08	-4.27E-08	-4.30E-08	-4.13E-08	-1.71E-08	-1.78E-08	-2.07E-08
PLE	NO							
Indicator value	-3.20E-08	-5.60E-08	-4.70E-08	-4.70E-08	-4.50E-08	-7.70E-09	-8.50E-09	-4.30E-09

Licensee Comments:

1Q/12: Changed PRA Parameter(s). Revised PRA parameters based on Calculation NDN-000-999-2010-0003 rev

006 to reflect CAFTA PRA Model Revision 4. CAFTA PRA Model Revision 4 was performed in accordance with NEI 99-02 to evaluate the impacts of adjusting the Diesel Generator Baseline Planned Unavailability in conjunction with the 12-Year Diesel Maintenance Outages (FAQ 468).

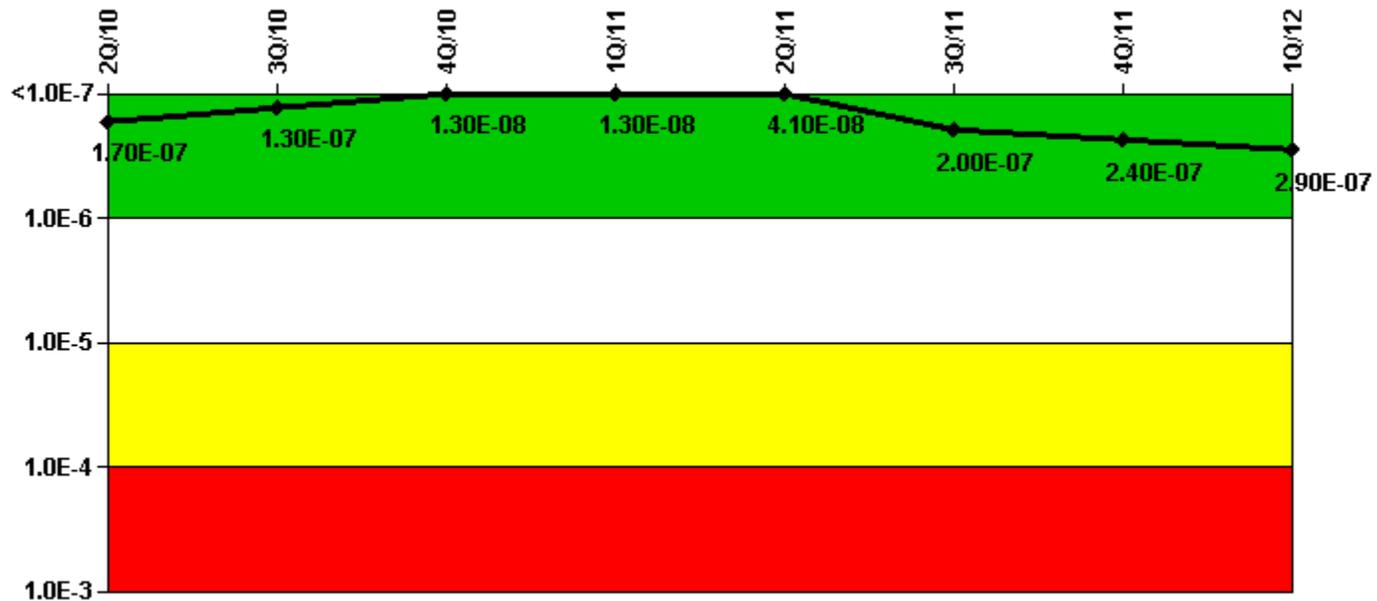
3Q/11: Changed PRA Parameter(s). Revised MSPI Basis Document and MSPI PRA Parameters based on Calculation NDN-000-999-2010-0003 Rev 005 to reflect BFN CAFTA PRA Model Rev 3 which was approved in June 2011. MSPI PRA Parameters based on this model are effective as of Third Quarter 2011.

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.

4Q/10: Changed PRA Parameter(s). In September 2010, Revision 2 of the Browns Ferry CAFTA PRA Model became the model of record. All MSPI Parameters have been updated to reflect Revision 2 of the PRA model effective October 2010.

3Q/10: RHR operational demands and test demands changed to estimates from actuals for all 3 units.

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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	1.61E-07	1.48E-07	-1.11E-09	-1.18E-09	5.45E-09	3.15E-07	3.58E-07	4.31E-07
URI (ΔCDF)	1.39E-08	-1.46E-08	1.46E-08	1.46E-08	3.59E-08	-1.19E-07	-1.19E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.70E-07	1.30E-07	1.30E-08	1.30E-08	4.10E-08	2.00E-07	2.40E-07	2.90E-07

Licensee Comments:

1Q/12: Changed PRA Parameter(s). Revised PRA parameters based on Calculation NDN-000-999-2010-0003 rev 006 to reflect CAFTA PRA Model Revision 4. CAFTA PRA Model Revision 4 was performed in accordance with NEI 99-02 to evaluate the impacts of adjusting the Diesel Generator Baseline Planned Unavailability in conjunction with the 12-Year Diesel Maintenance Outages (FAQ 468).

3Q/11: 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. Problem Evaluation Report 468993 documents changes to RHRSW pump demand failures to run failures on failure reports 573, 584, and 692.

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. Problem Evaluation Report 468993 documents changes to RHRSW pump demand failures to run failures on failure reports 573, 584, and 692.

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.

1Q/11: Problem Evaluation Report 468993 documents changes to RHRSW pump demand failures to run failures on failure reports 573, 584, and 692.

4Q/10: In September 2010, Revision 2 of the Browns Ferry CAFTA PRA Model became the model of record. All MSPI Parameters have been updated to reflect Revision 2 of the PRA model effective October 2010. In January 2011, an error was identified in BFN PRA model rev 2. This error affects the FVUAP terms for the north and south EECW headers. Service Request 311078 has been initiated to address this error.

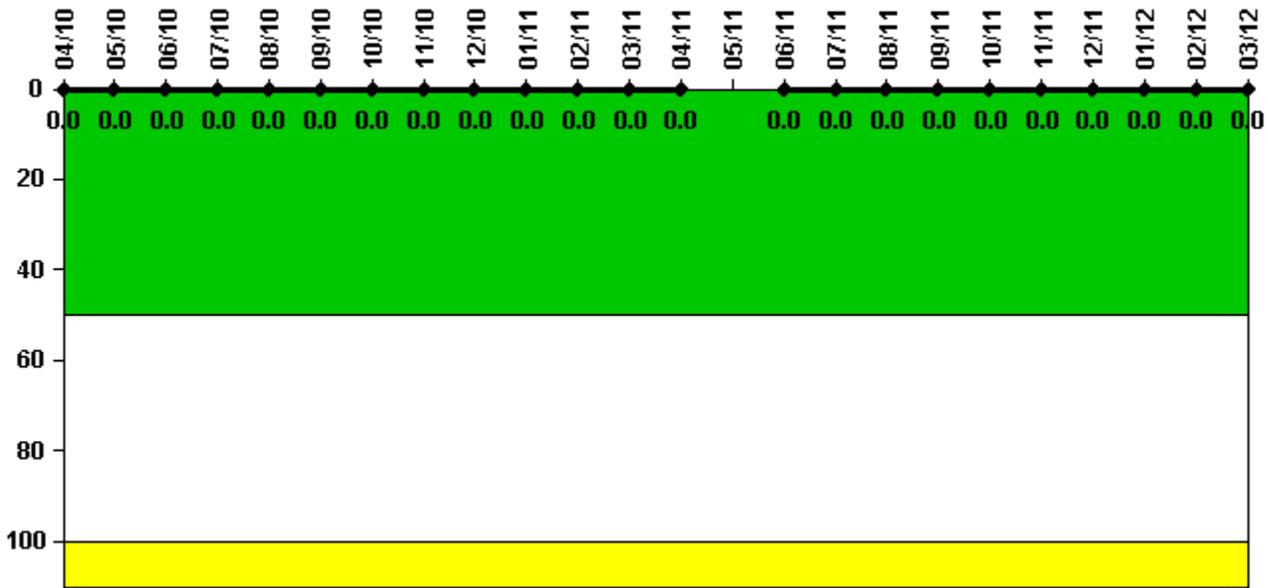
4Q/10: In September 2010, Revision 2 of the Browns Ferry CAFTA PRA Model became the model of record. All MSPI Parameters have been updated to reflect Revision 2 of the PRA model effective October 2010. In January 2011, an error was identified in BFN PRA model rev 2. This error affects the FVUAP terms for the north and south EECW headers. Service Request 311078 has been initiated to address this error. Problem Evaluation Report 468993 documents changes to RHRSW pump demand failures to run failures on failure reports 573, 584, and 692.

4Q/10: Changed PRA Parameter(s). In September 2010, Revision 2 of the Browns Ferry CAFTA PRA Model became the model of record. All MSPI Parameters have been updated to reflect Revision 2 of the PRA model effective October 2010.

3Q/10: Problem Evaluation Report 468993 documents changes to RHRSW pump demand failures to run failures on failure reports 573, 584, and 692.

2Q/10: Problem Evaluation Report 468993 documents changes to RHRSW pump demand failures to run failures on failure reports 573, 584, and 692.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

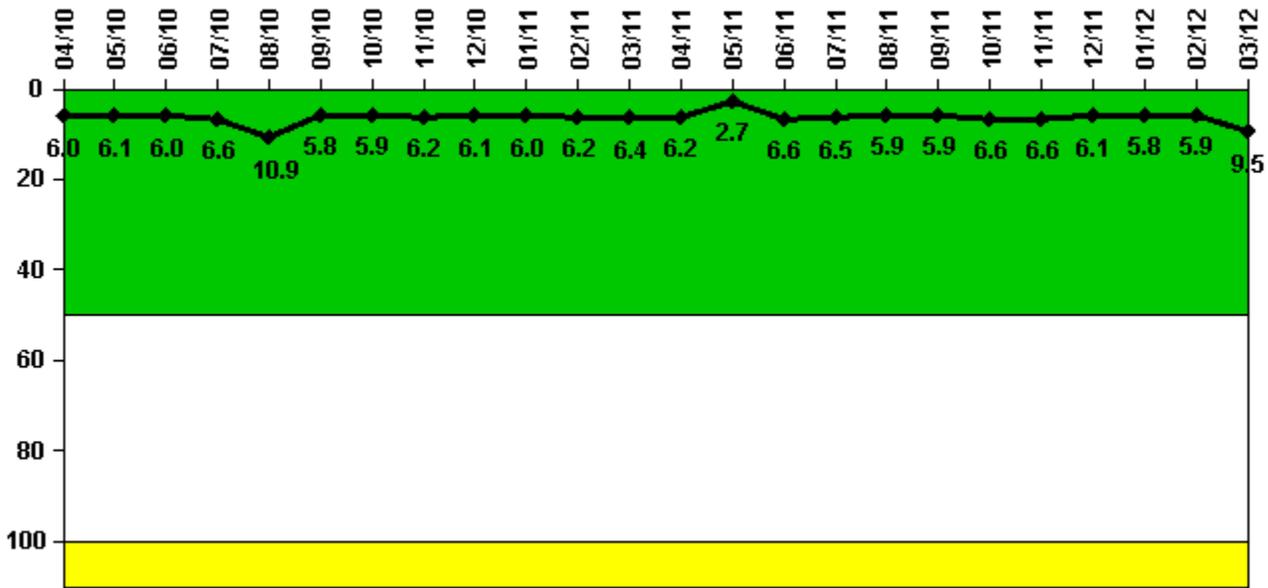
Notes

Reactor Coolant System Activity	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum activity	0.000034	0.000050	0.000054	0.000044	0.000032	0.000059	0.000151	0.000234	0.000079	0.000069	0.000066	0.000075
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	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	0.000124	N/A	0.000083	0.000182	0.000068	0.000073	0.000175	0.000105	0.000163	0.000507	0.000198	0.000212
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	N/A	0	0	0	0	0	0	0	0	0	0

Licensee Comments:

6/11: Unit was shutdown until the last day of the month (05/31/2011). Highest power achieved during May 2011 was 20% and did not achieve steady-state.

Reactor Coolant System Leakage



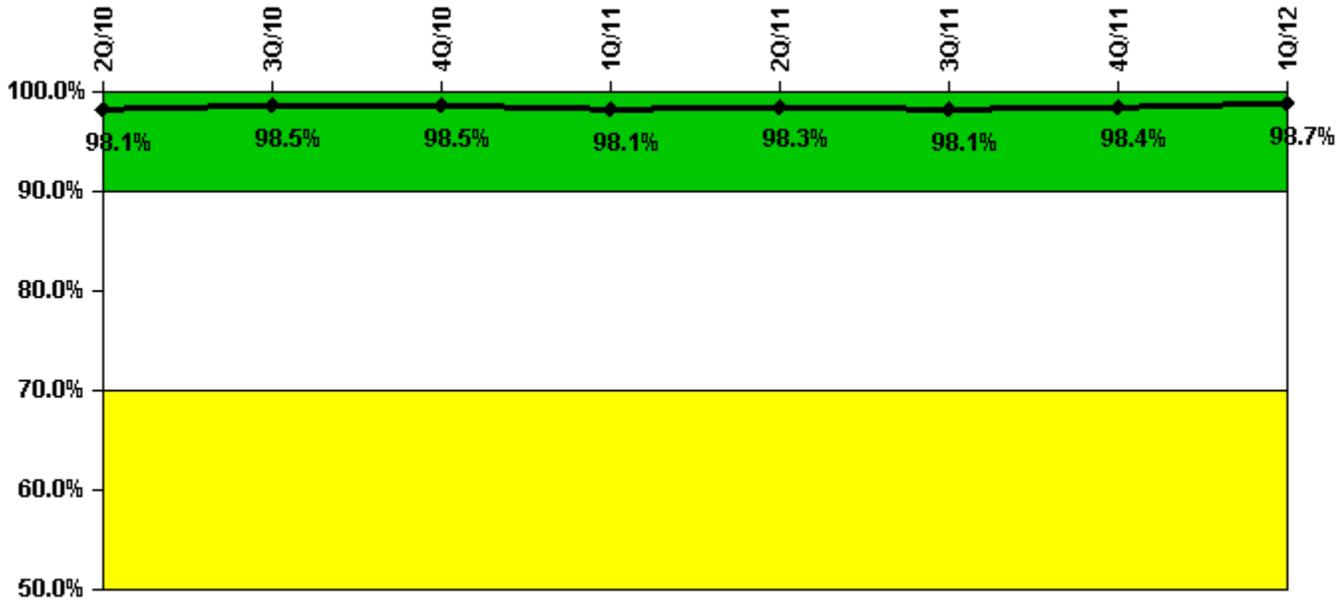
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	1.790	1.820	1.790	1.980	3.260	1.740	1.760	1.860	1.830	1.790	1.860	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	6.0	6.1	6.0	6.6	10.9	5.8	5.9	6.2	6.1	6.0	6.2	6.4
Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	1.860	0.810	1.970	1.940	1.770	1.760	1.990	1.980	1.820	1.750	1.770	2.840
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	6.2	2.7	6.6	6.5	5.9	5.9	6.6	6.6	6.1	5.8	5.9	9.5

Licensee Comments: none

Drill/Exercise Performance



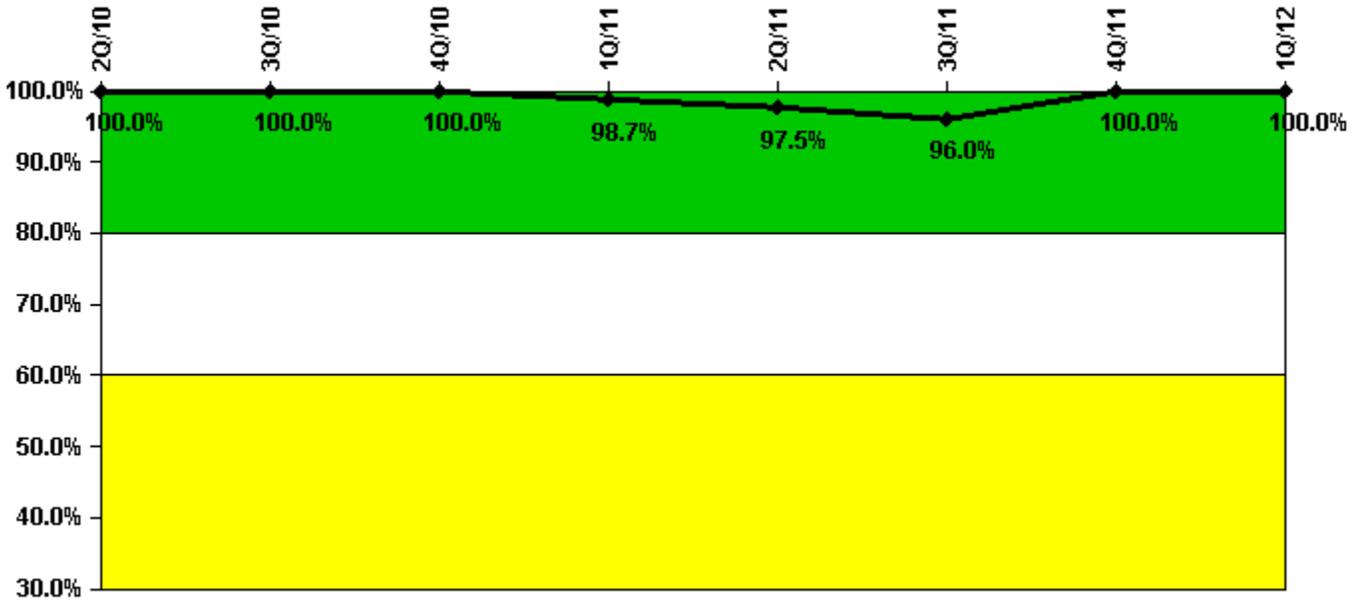
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	8.0	50.0	39.0	25.0	24.0	37.0	111.0	13.0
Total opportunities	8.0	50.0	40.0	26.0	24.0	38.0	112.0	13.0
Indicator value	98.1%	98.5%	98.5%	98.1%	98.3%	98.1%	98.4%	98.7%

Licensee Comments: none

ERO Drill Participation



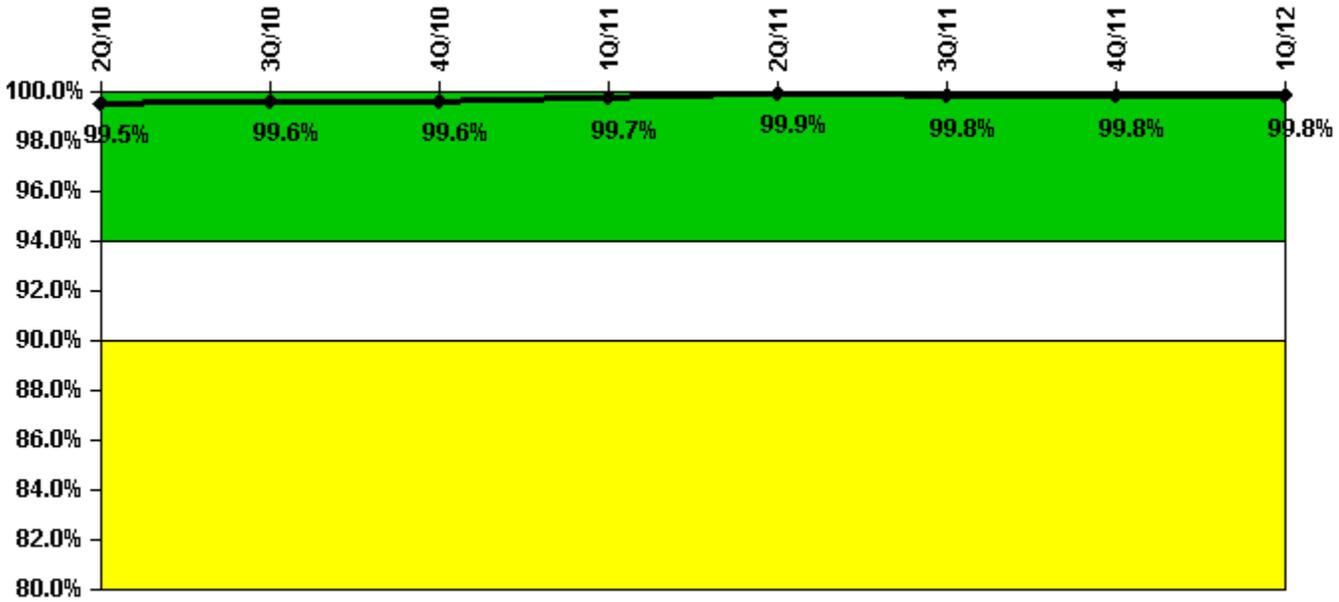
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	73.0	73.0	74.0	76.0	77.0	72.0	80.0	74.0
Total Key personnel	73.0	73.0	74.0	77.0	79.0	75.0	80.0	74.0
Indicator value	100.0%	100.0%	100.0%	98.7%	97.5%	96.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

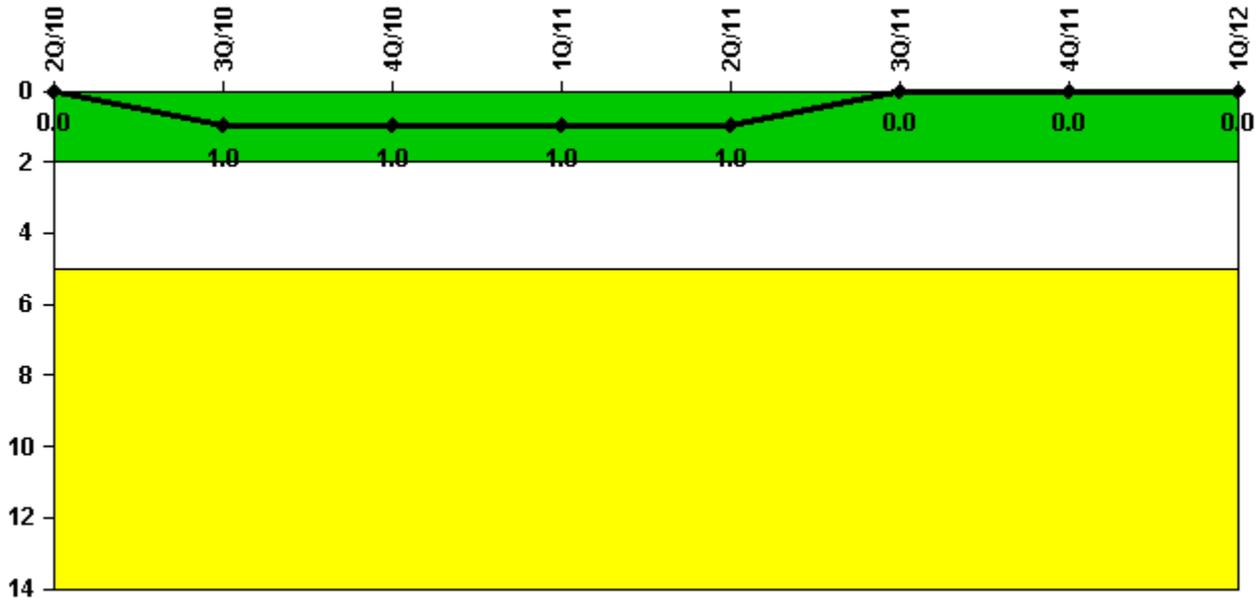
Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	693	898	699	700	599	896	799	800
Total sirens-tests	700	900	700	700	600	900	800	800
Indicator value	99.5%	99.6%	99.6%	99.7%	99.9%	99.8%	99.8%	99.8%

Licensee Comments:

2Q/11: Siren Test canceled for May 9, 2011 due to severe weather in the area.

Occupational Exposure Control Effectiveness



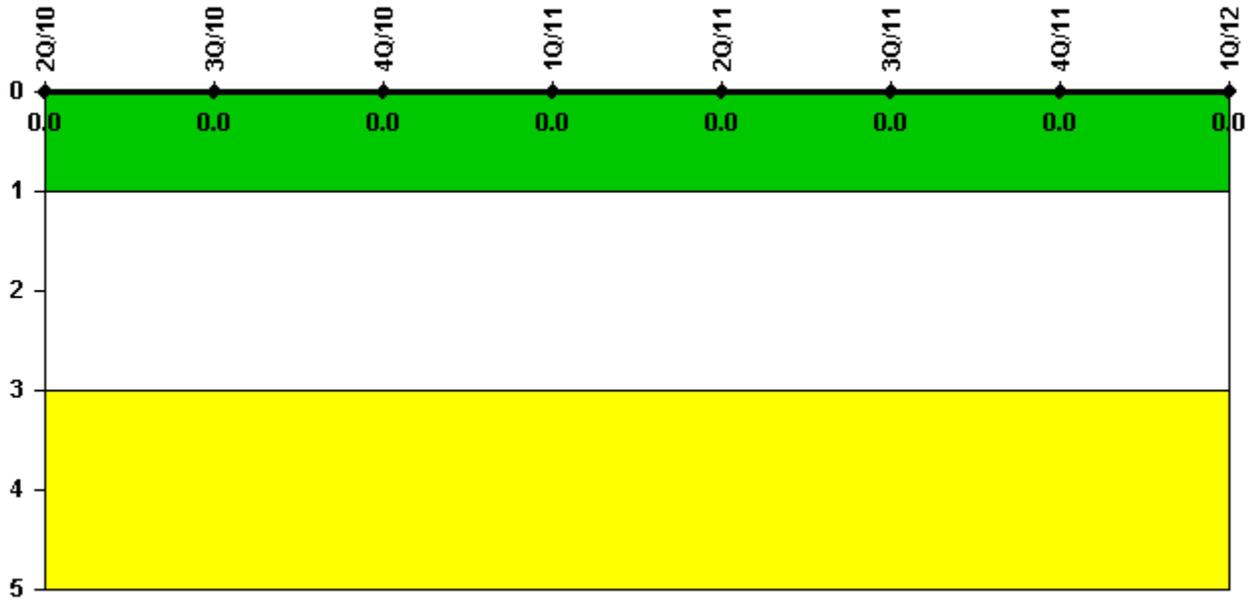
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
High radiation area occurrences	0	1	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	1	1	1	1	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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.