

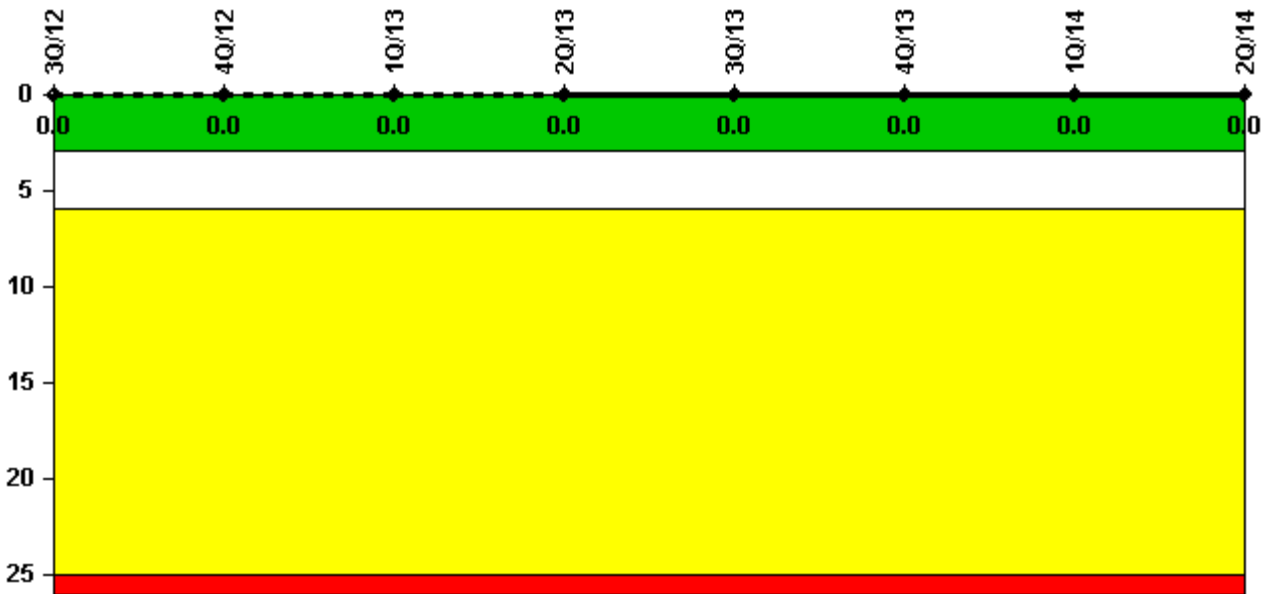
Braidwood 2

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



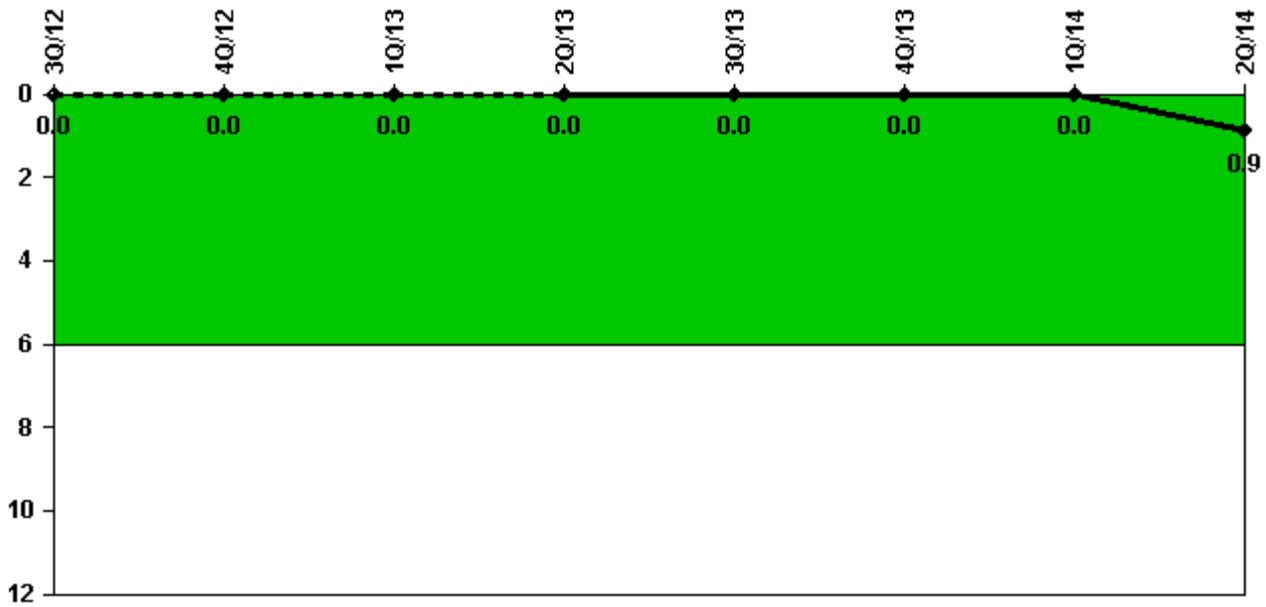
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1625.3	2159.0	2112.0	2116.1	2209.0	2159.0	1716.3
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



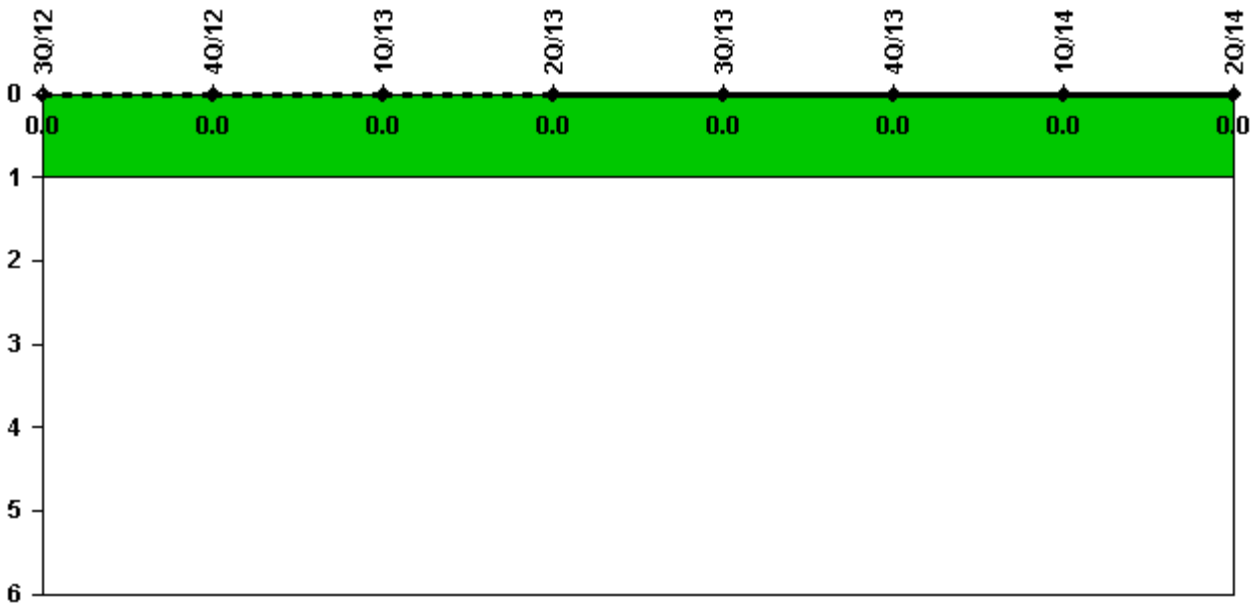
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	1625.3	2159.0	2112.0	2116.1	2209.0	2159.0	1716.3
Indicator value	0	0	0	0	0	0	0	0.9

Licensee Comments: none

Unplanned Scrams with Complications



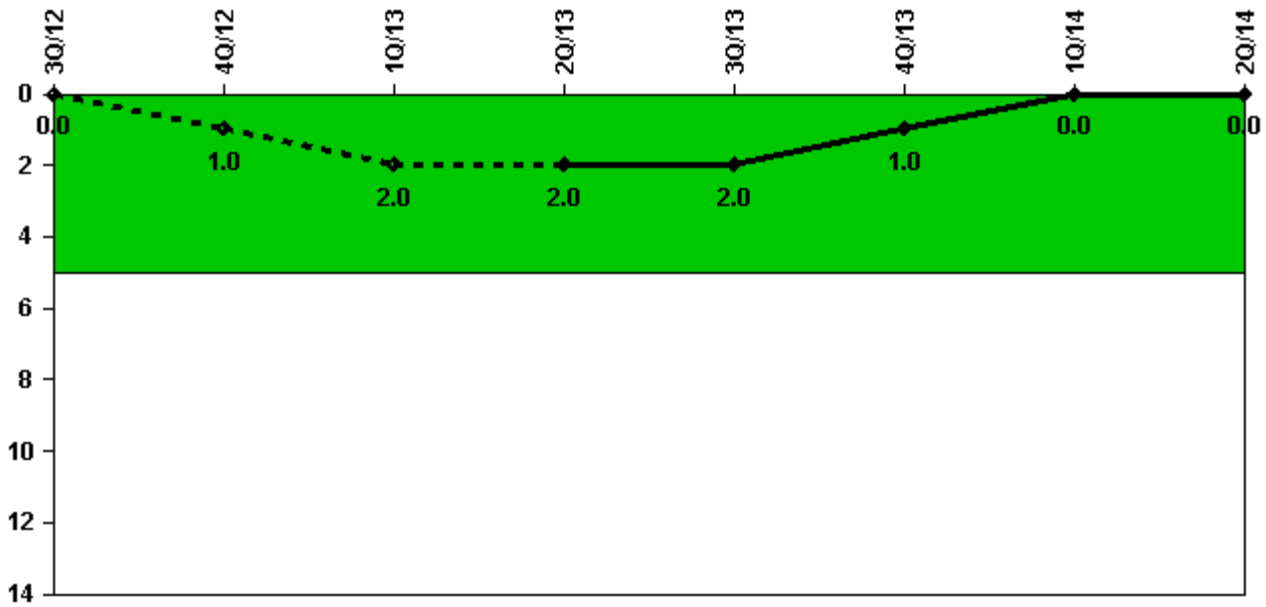
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
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

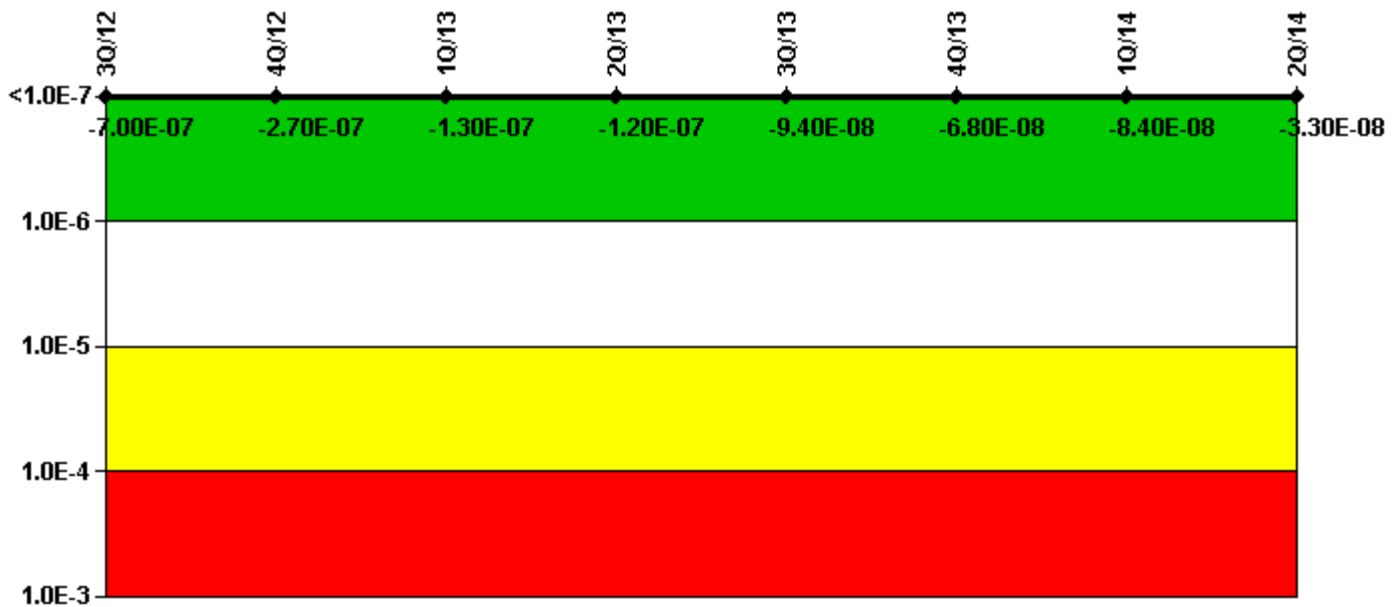
Safety System Functional Failures (PWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	0	1	1	0	0	0	0	0
Indicator value	0	1	2	2	2	1	0	0

Licensee Comments:

1Q/13: LER 2012-003-01, Fuel Handling Incident Area Radiation Monitors Inoperable.

4Q/12: 1 SSFF - Licensee Event Report 2012-004-01 - Notice of Enforcement Discretion Received for Ultimate Heat Sink Temperature Exceeding Technical Specifications Requirements Due to Prolonged Hot Weather

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

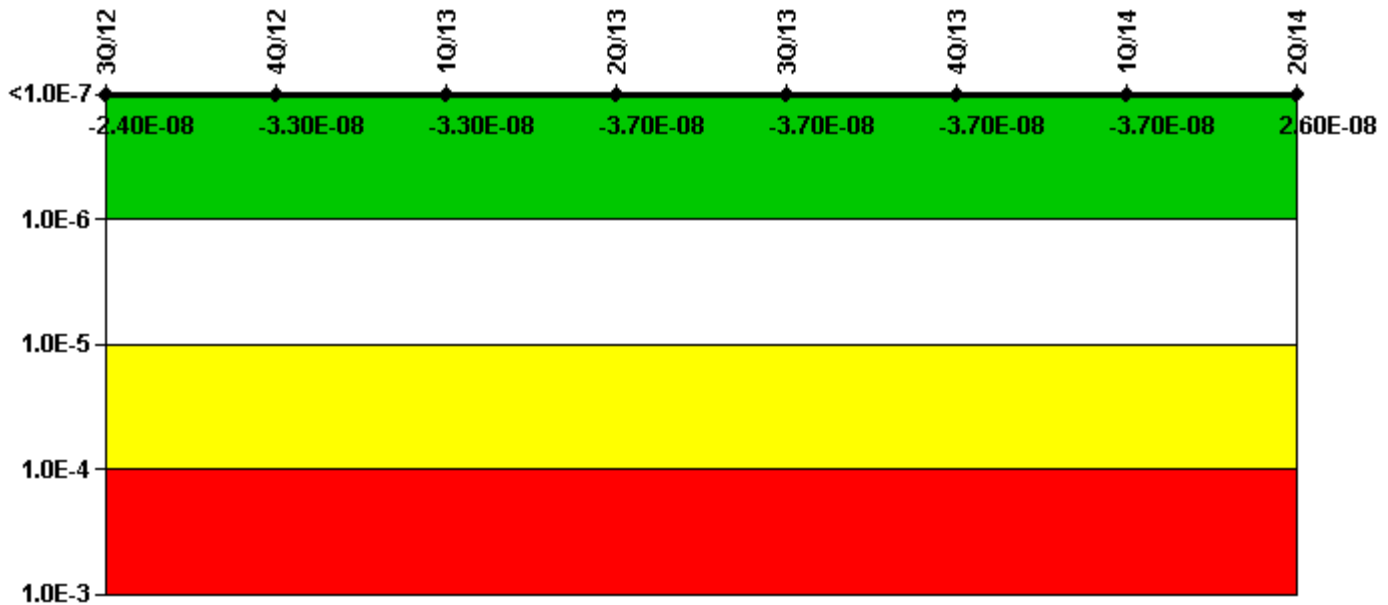
Mitigating Systems Performance Index, Emergency AC Power System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	4.03E-08	4.50E-08	4.33E-08	3.49E-08	5.84E-08	6.82E-08	4.17E-08	7.10E-08
URI (Δ CDF)	-7.41E-07	-3.20E-07	-1.75E-07	-1.59E-07	-1.52E-07	-1.36E-07	-1.26E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.00E-07	-2.70E-07	-1.30E-07	-1.20E-07	-9.40E-08	-6.80E-08	-8.40E-08	-3.30E-08

Licensee Comments:

1Q/13: June 2013 - A February 2012 cylinder fuel pump linkage issue was determined to be an MSPI failure.

4Q/12: 1/15/2013 - Braidwood PRA Model Revision No: BB011b approved September 30, 2012, revised Unit 1 and Unit 2 PRA inputs due to eliminating conservative configurations, taking some credit for realigning the 0 CC pump, and the addition of credit for the SX007 valves to be manipulated manually.

Mitigating Systems Performance Index, High Pressure Injection System



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

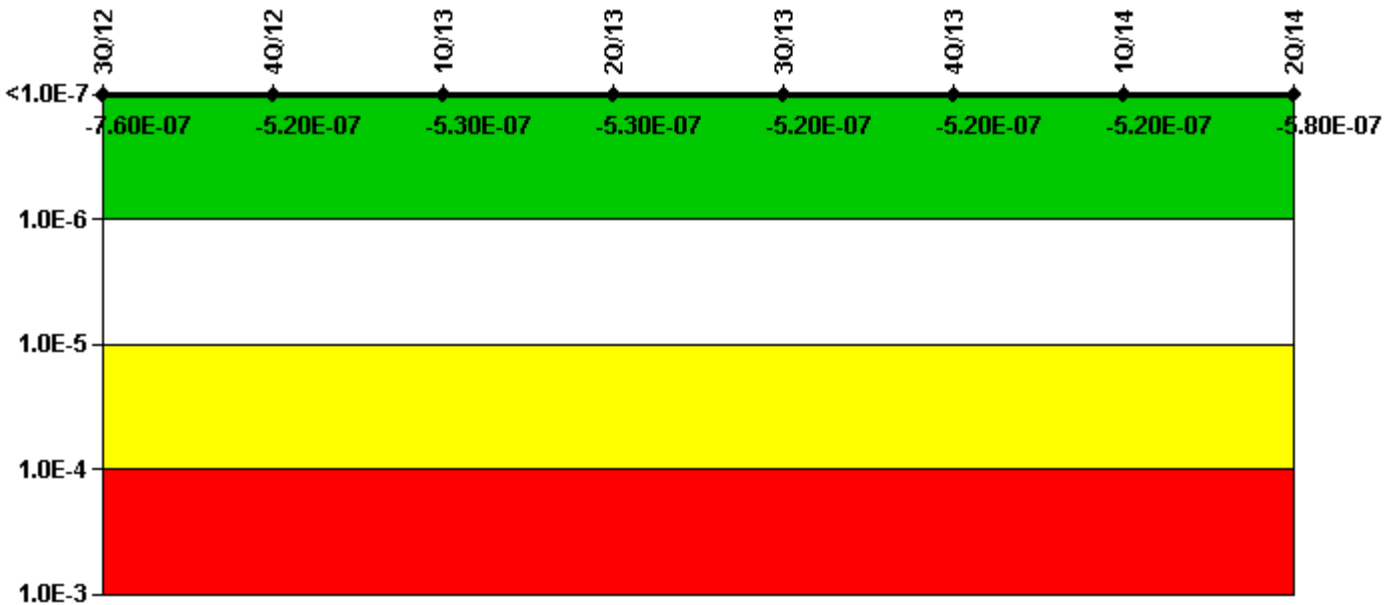
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	-1.59E-08	-2.46E-08	-2.46E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08
URI (Δ CDF)	-8.02E-09	-8.84E-09	-8.84E-09	-8.84E-09	-8.85E-09	-8.82E-09	-8.82E-09	5.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.40E-08	-3.30E-08	-3.30E-08	-3.70E-08	-3.70E-08	-3.70E-08	-3.70E-08	2.60E-08

Licensee Comments:

4Q/12: 1/15/2013 - Braidwood PRA Model Revision No: BB011b approved September 30, 2012, revised Unit 1 and Unit 2 PRA inputs due to eliminating conservative configurations, taking some credit for realigning the 0 CC pump, and the addition of credit for the SX007 valves to be manipulated manually.

Mitigating Systems Performance Index, Heat Removal System



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

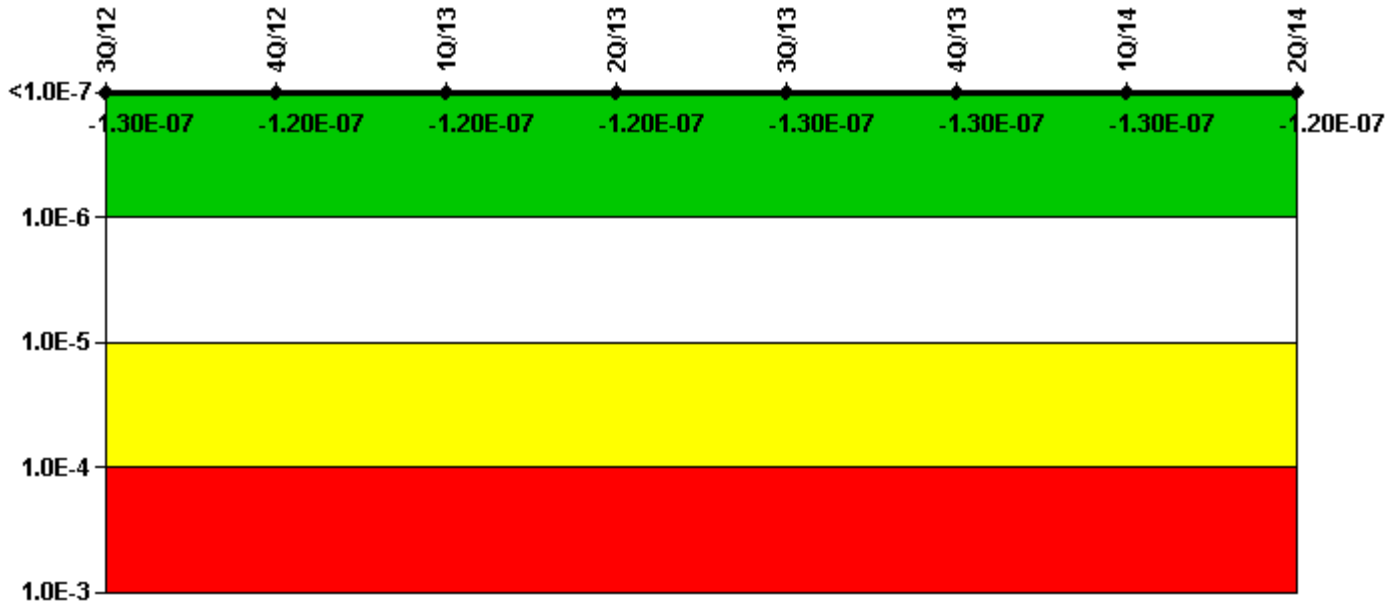
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	-4.35E-08	-6.60E-08	-6.60E-08	-6.59E-08	-6.60E-08	-6.60E-08	-6.60E-08	-1.17E-07
URI (Δ CDF)	-7.17E-07	-4.56E-07	-4.60E-07	-4.60E-07	-4.55E-07	-4.55E-07	-4.55E-07	-4.63E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.60E-07	-5.20E-07	-5.30E-07	-5.30E-07	-5.20E-07	-5.20E-07	-5.20E-07	-5.80E-07

Licensee Comments:

4Q/12: 1/15/2013 - Braidwood PRA Model Revision No: BB011b approved September 30, 2012, revised Unit 1 and Unit 2 PRA inputs due to eliminating conservative configurations, taking some credit for realigning the 0 CC pump, and the addition of credit for the SX007 valves to be manipulated manually.

Mitigating Systems Performance Index, Residual Heat Removal System



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

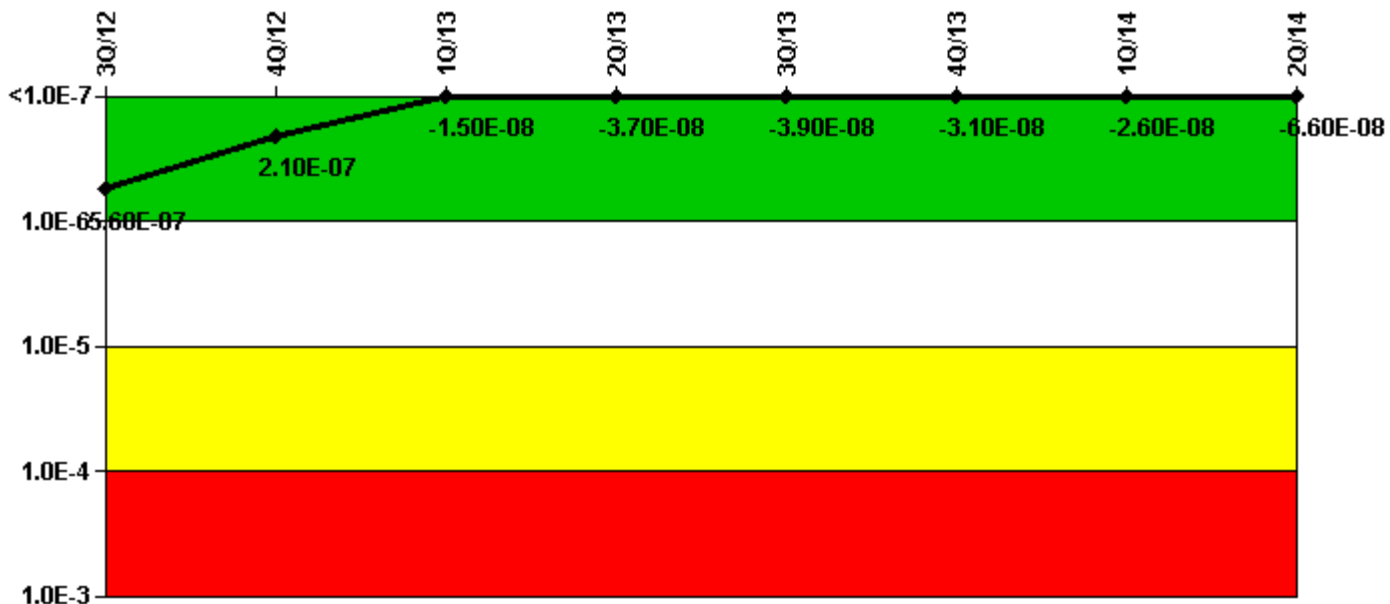
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	-2.78E-08	-2.51E-08	-2.51E-08	-2.50E-08	-2.51E-08	-2.51E-08	-2.51E-08	-2.51E-08
URI (Δ CDF)	-9.97E-08	-9.48E-08	-9.46E-08	-9.97E-08	-1.04E-07	-1.04E-07	-1.03E-07	-9.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.20E-07

Licensee Comments:

4Q/12: 1/15/2013 - Braidwood PRA Model Revision No: BB011b approved September 30, 2012, revised Unit 1 and Unit 2 PRA inputs due to eliminating conservative configurations, taking some credit for realigning the 0 CC pump, and the addition of credit for the SX007 valves to be manipulated manually.

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/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	3.50E-07	1.76E-07	1.42E-07	1.15E-07	1.08E-07	1.08E-07	1.08E-07	6.03E-08
URI (ΔCDF)	2.09E-07	3.48E-08	-1.56E-07	-1.52E-07	-1.48E-07	-1.39E-07	-1.34E-07	-1.27E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.60E-07	2.10E-07	-1.50E-08	-3.70E-08	-3.90E-08	-3.10E-08	-2.60E-08	-6.60E-08

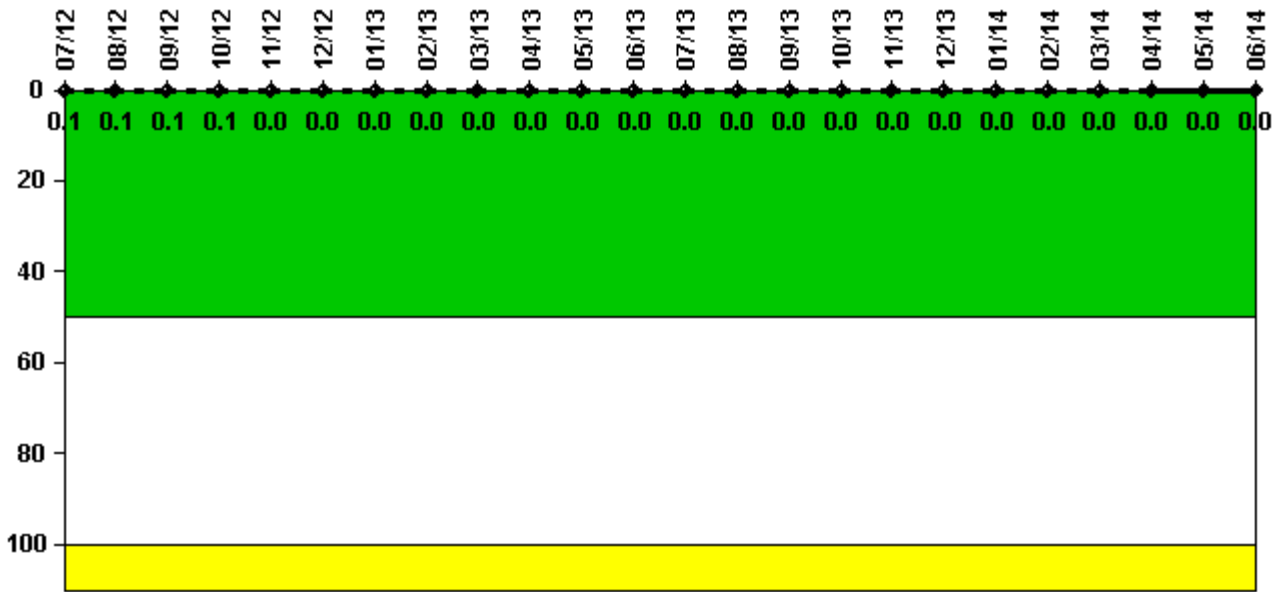
Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/12: 1/15/2013 - Braidwood PRA Model Revision No: BB011b approved September 30, 2012, revised Unit 1 and Unit 2 PRA inputs due to eliminating conservative configurations, taking some credit for realigning the 0 CC pump, and the addition of credit for the SX007 valves to be manipulated manually.

3Q/12: Risk Cap Invoked.

Reactor Coolant System Activity



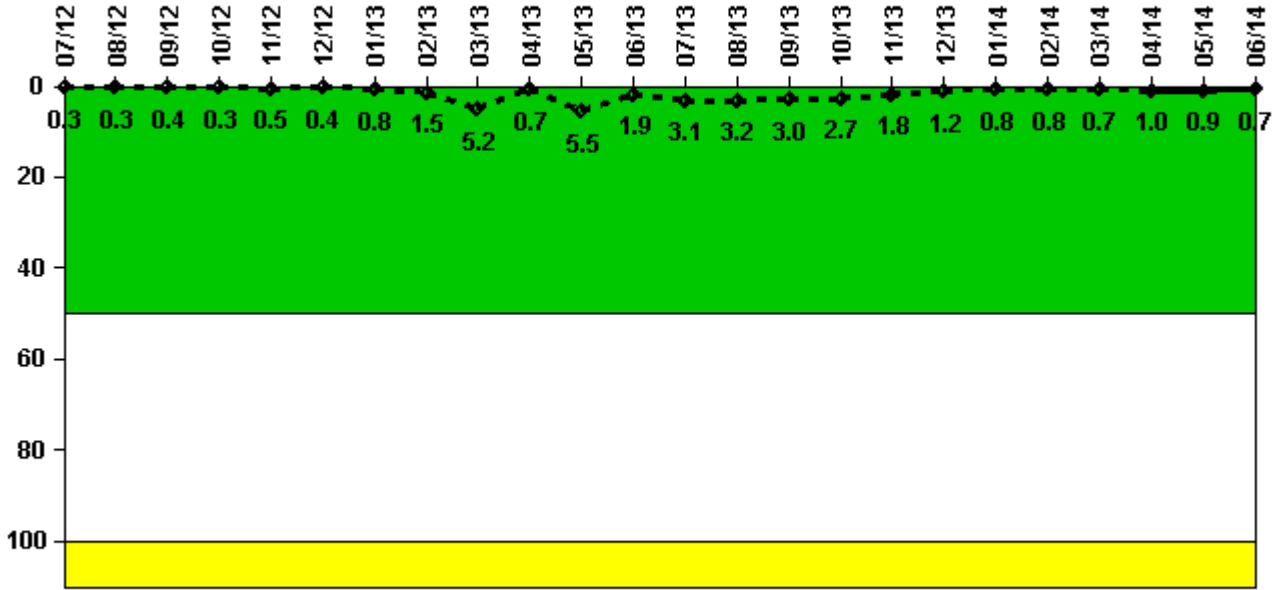
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum activity	0.000642	0.000625	0.000596	0.000613	0.000178	0.000188	0.000233	0.000213	0.000223	0.000226	0.000226	0.000237
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	0	0	0	0	0
Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	0.000264	0.000268	0.000295	0.000302	0.000311	0.000324	0.000339	0.000346	0.000358	0.000371	0.000133	0.000162
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	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



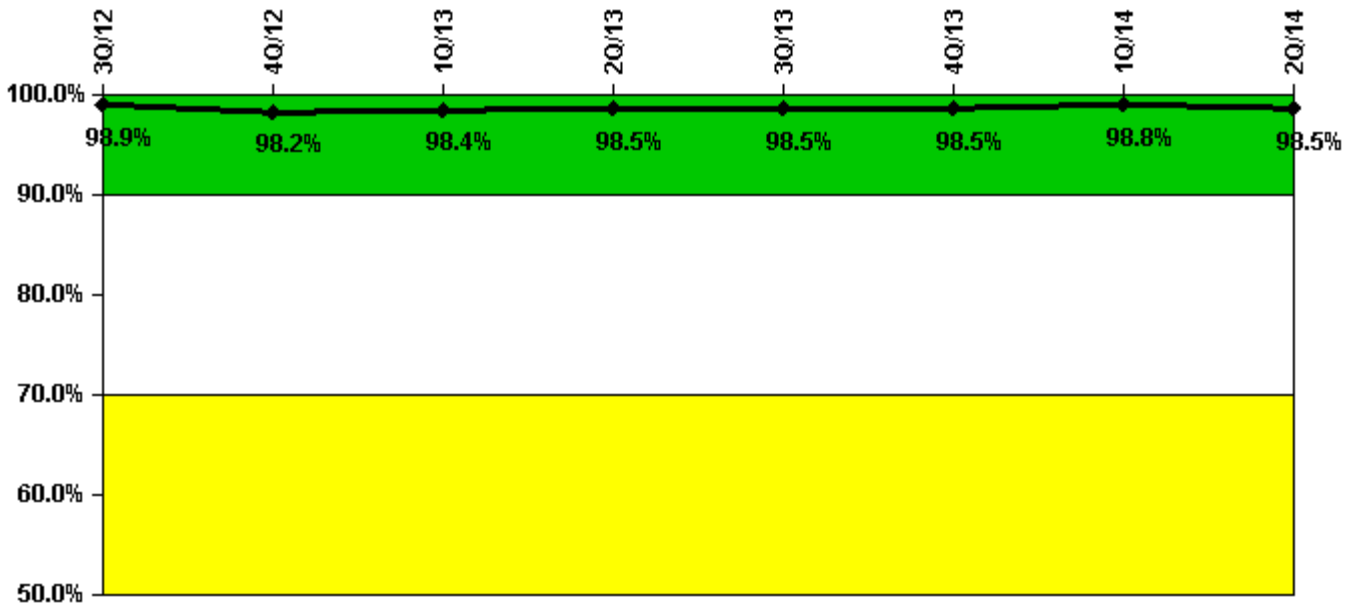
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.034	0.034	0.035	0.029	0.048	0.037	0.080	0.150	0.521	0.074	0.547	0.192
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	0.3	0.3	0.4	0.3	0.5	0.4	0.8	1.5	5.2	0.7	5.5	1.9
Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	0.306	0.324	0.303	0.268	0.184	0.117	0.083	0.075	0.066	0.102	0.088	0.068
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	3.1	3.2	3.0	2.7	1.8	1.2	0.8	0.8	0.7	1.0	0.9	0.7

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

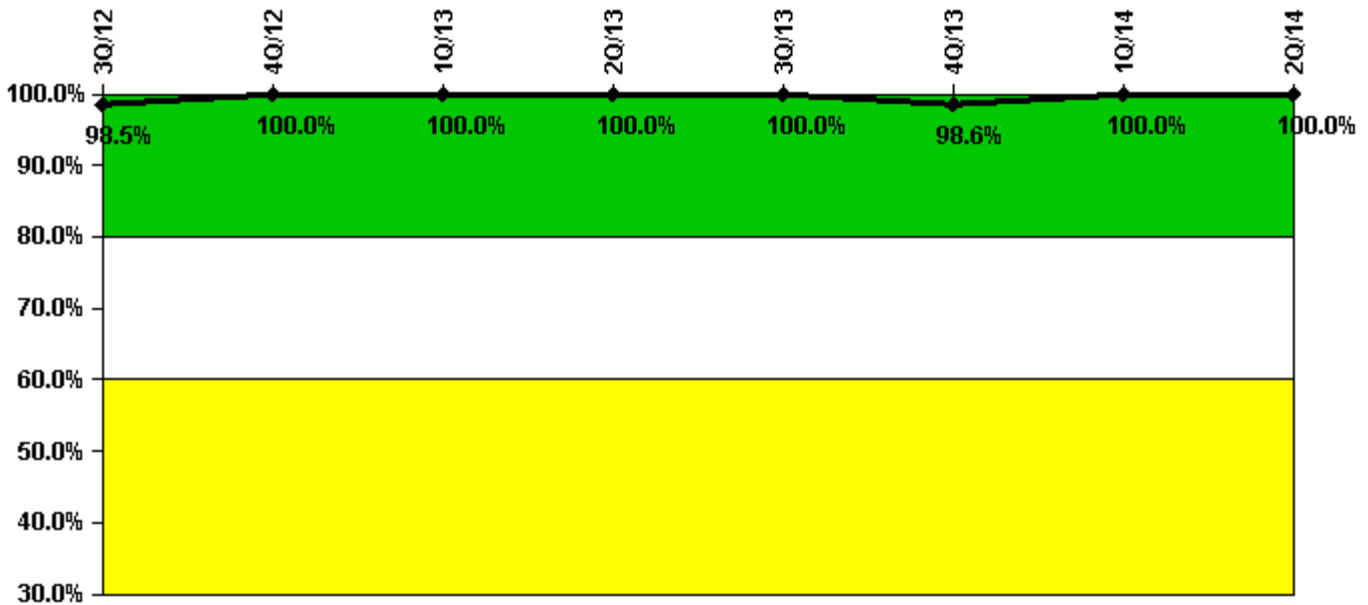
Notes

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	70.0	31.0	22.0	39.0	58.0	80.0	21.0	66.0
Total opportunities	72.0	33.0	22.0	39.0	58.0	80.0	21.0	68.0
Indicator value	98.9%	98.2%	98.4%	98.5%	98.5%	98.5%	98.8%	98.5%

Licensee Comments:

4Q/12: 6/10/13 - December 2012 data corrected a December 2012 Drill and Exercise Opportunities that per FAQ 12.06 is determined to NOT be a failure. Data changed from 18 successful opportunities to 19 successful opportunities.

ERO Drill Participation



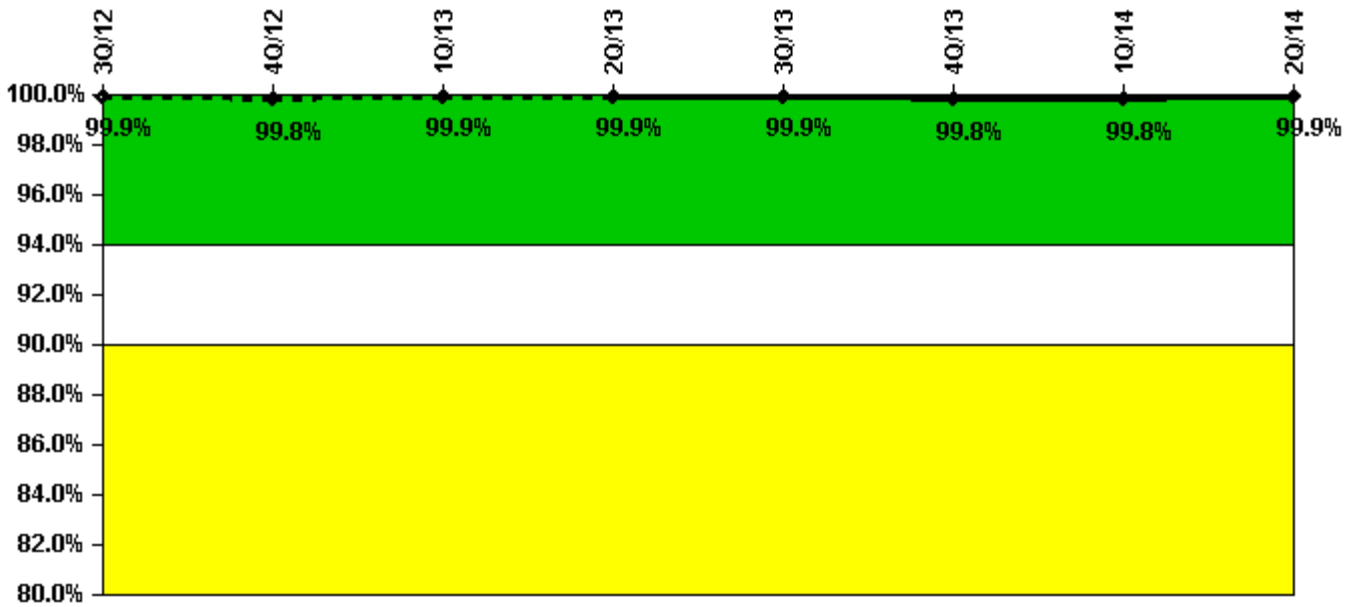
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	65.0	65.0	62.0	66.0	71.0	70.0	65.0	65.0
Total Key personnel	66.0	65.0	62.0	66.0	71.0	71.0	65.0	65.0
Indicator value	98.5%	100.0%	100.0%	100.0%	100.0%	98.6%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



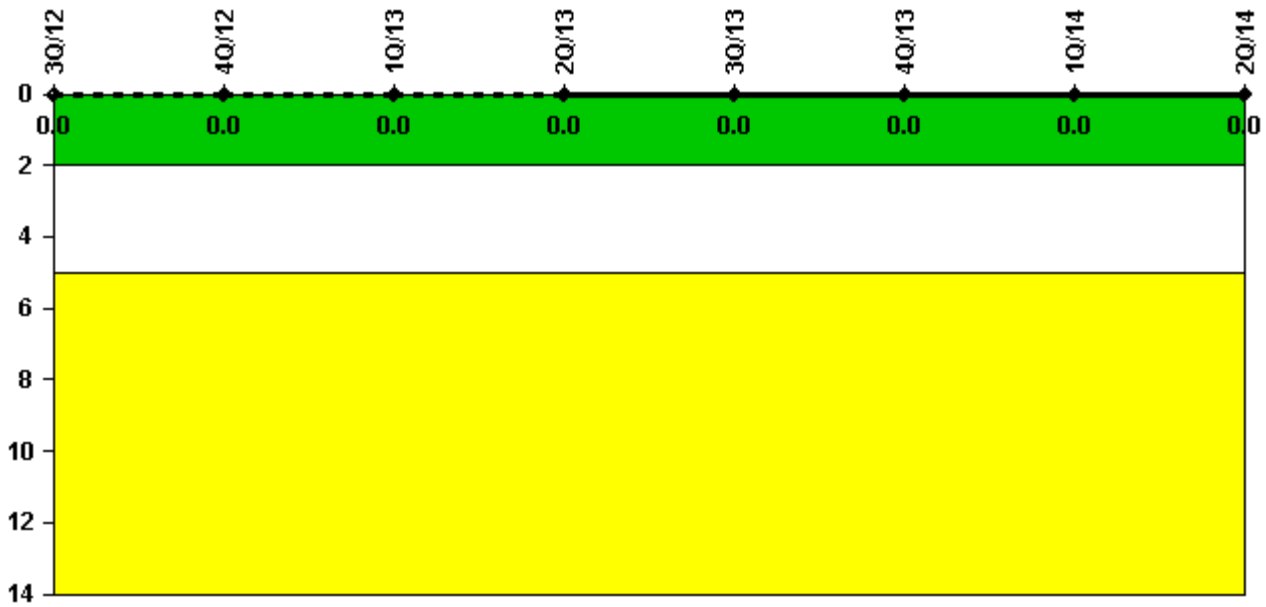
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	3019	3070	3070	3065	3068	3060	3024	3070
Total sirens-tests	3024	3072	3072	3072	3072	3072	3024	3072
Indicator value	99.9%	99.8%	99.9%	99.9%	99.9%	99.8%	99.8%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



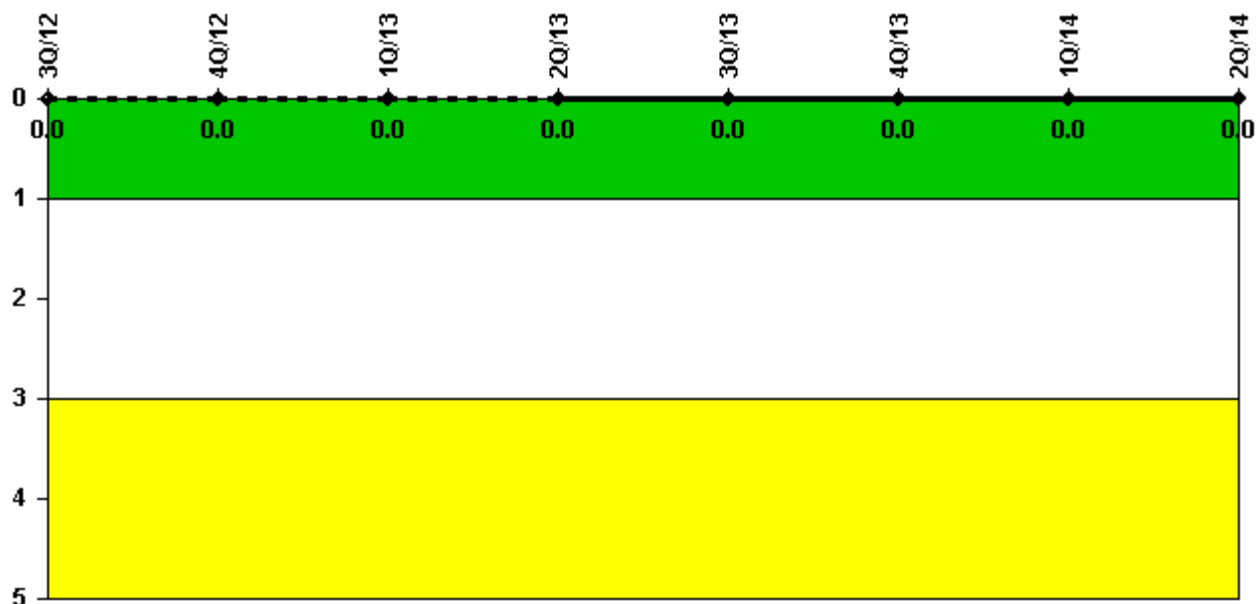
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
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/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

 [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: July 31, 2014