

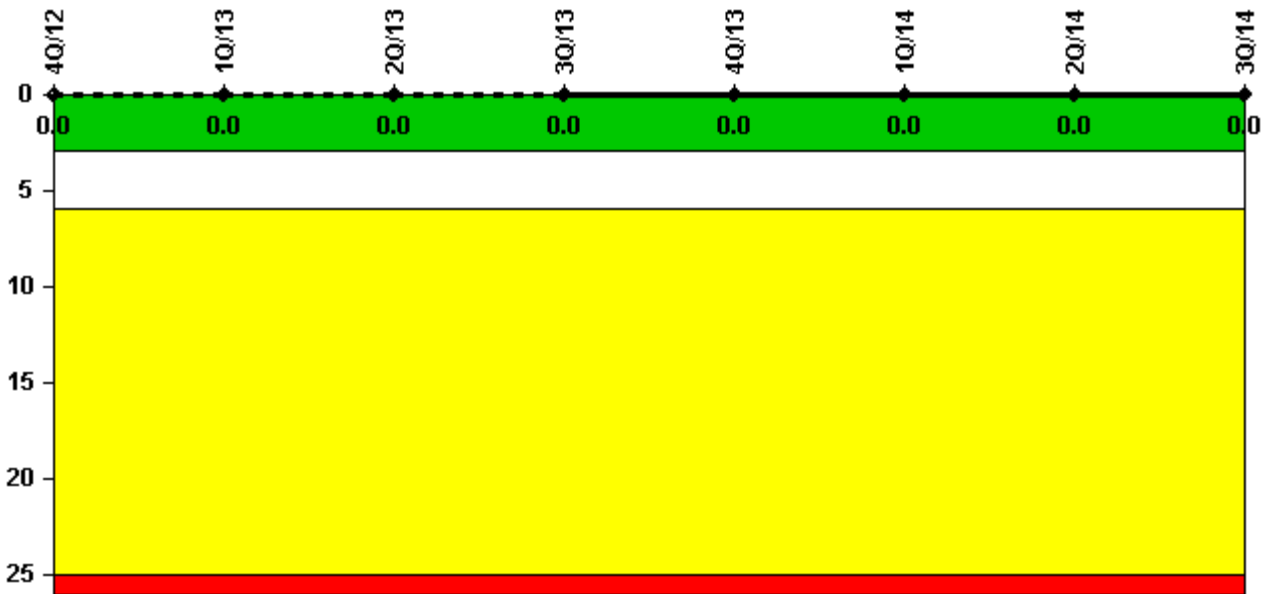
Braidwood 1

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



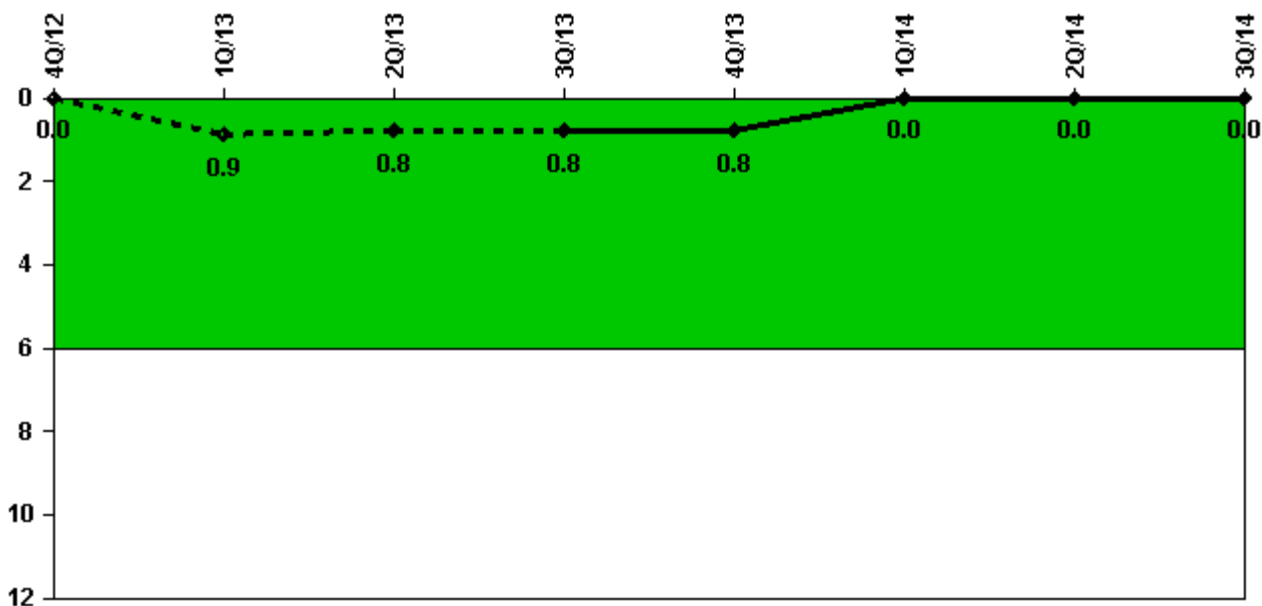
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|--|----------|----------|----------|----------|----------|----------|----------|----------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 2159.0 | 2184.0 | 1697.9 | 2209.0 | 2159.0 | 2184.0 | 2208.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

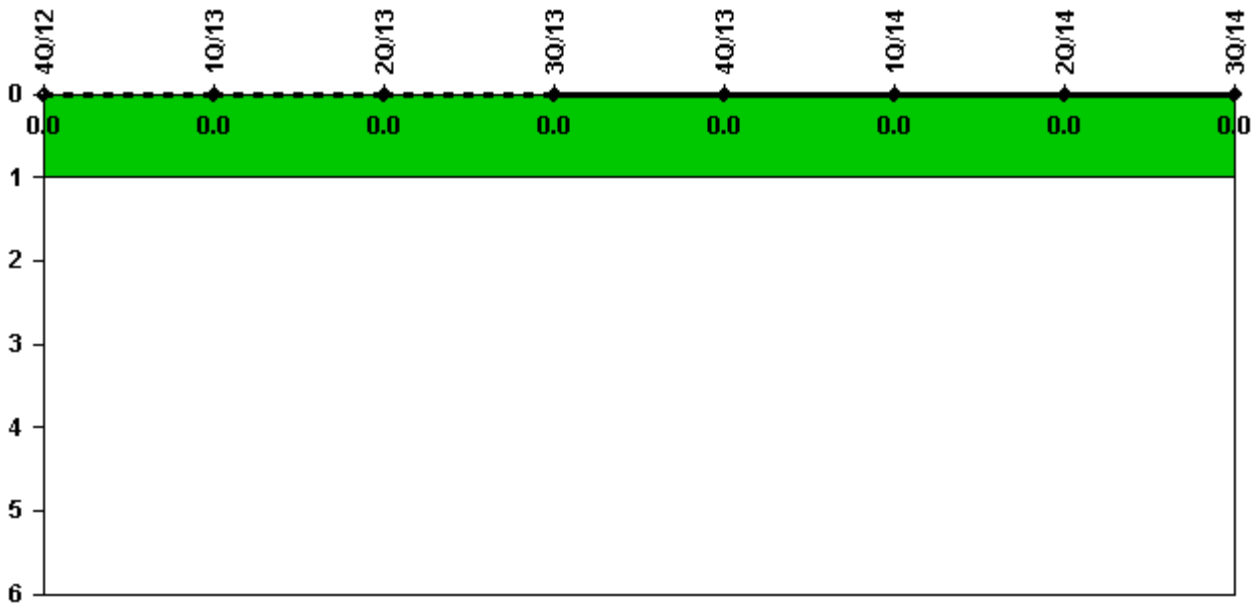
Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|----------|------------|------------|------------|------------|----------|----------|----------|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 2159.0 | 2184.0 | 1697.9 | 2209.0 | 2159.0 | 2184.0 | 2208.0 |
| Indicator value | 0 | 0.9 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 |

Licensee Comments:

1Q/13: 1/24/13 power reduction due to an issue with 1C RCP motor lower radial bearing.

Unplanned Scrams with Complications



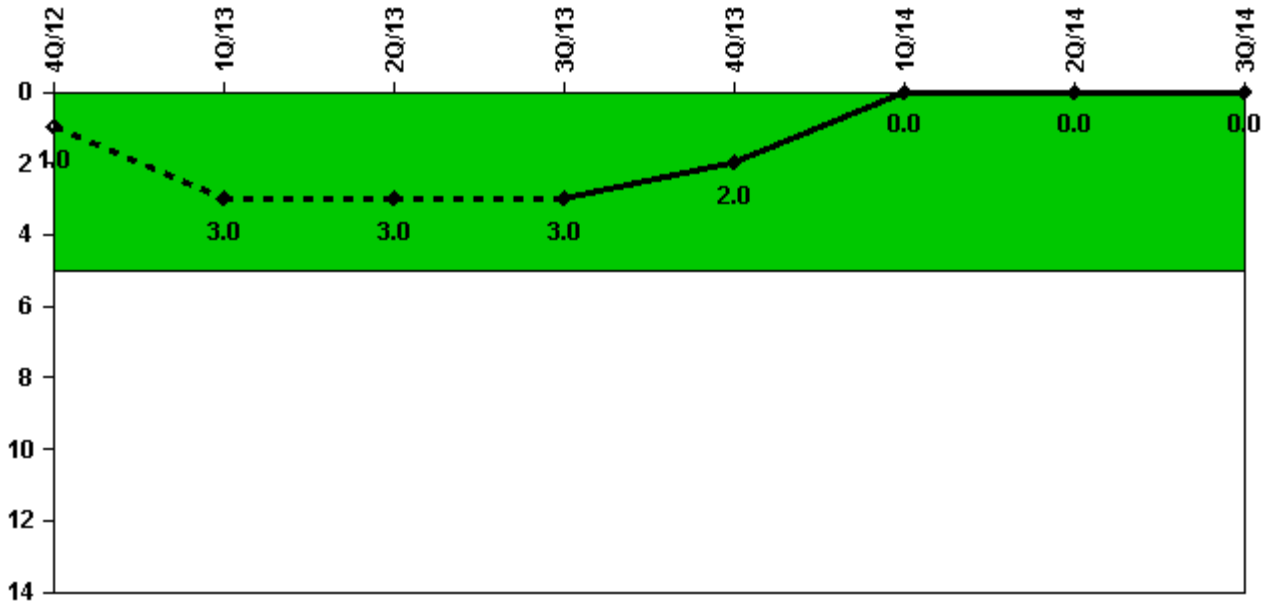
Thresholds: White > 1.0

Notes

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

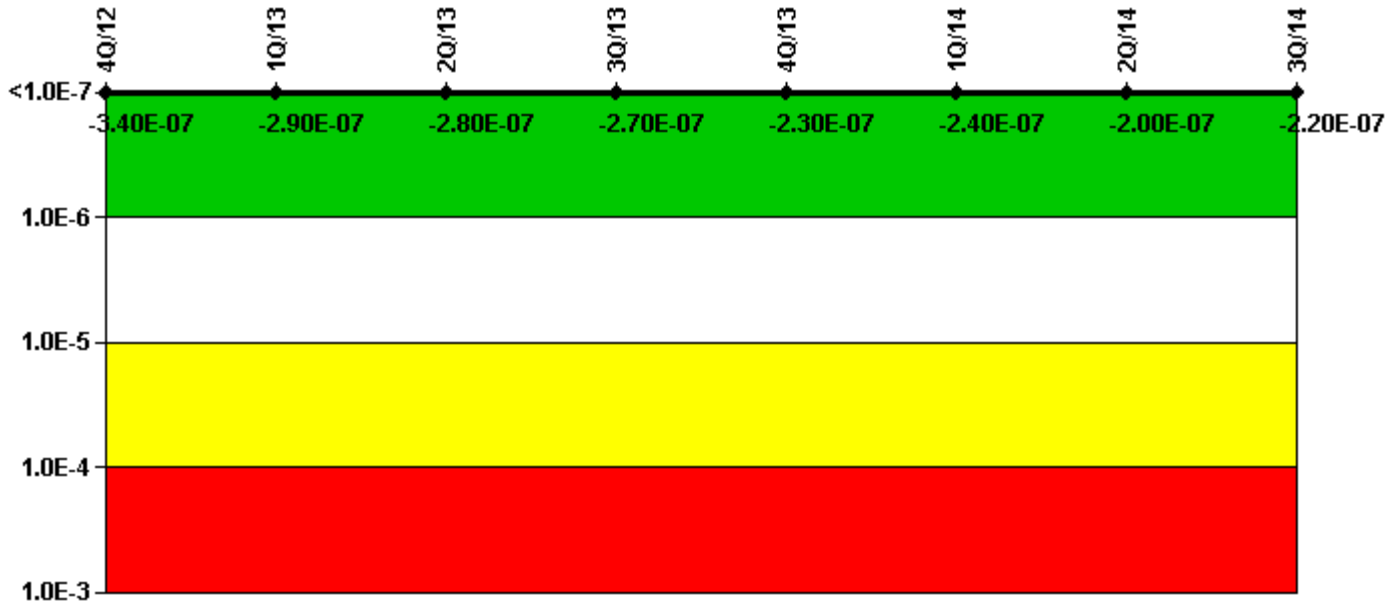
| Safety System Functional Failures (PWR) | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| Safety System Functional Failures | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indicator value | 1 | 3 | 3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

Licensee Comments:

1Q/13: LER 2012-005-00, Incorrect Procedure Guidance Results in Inoperable 1A/1B EDG. 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

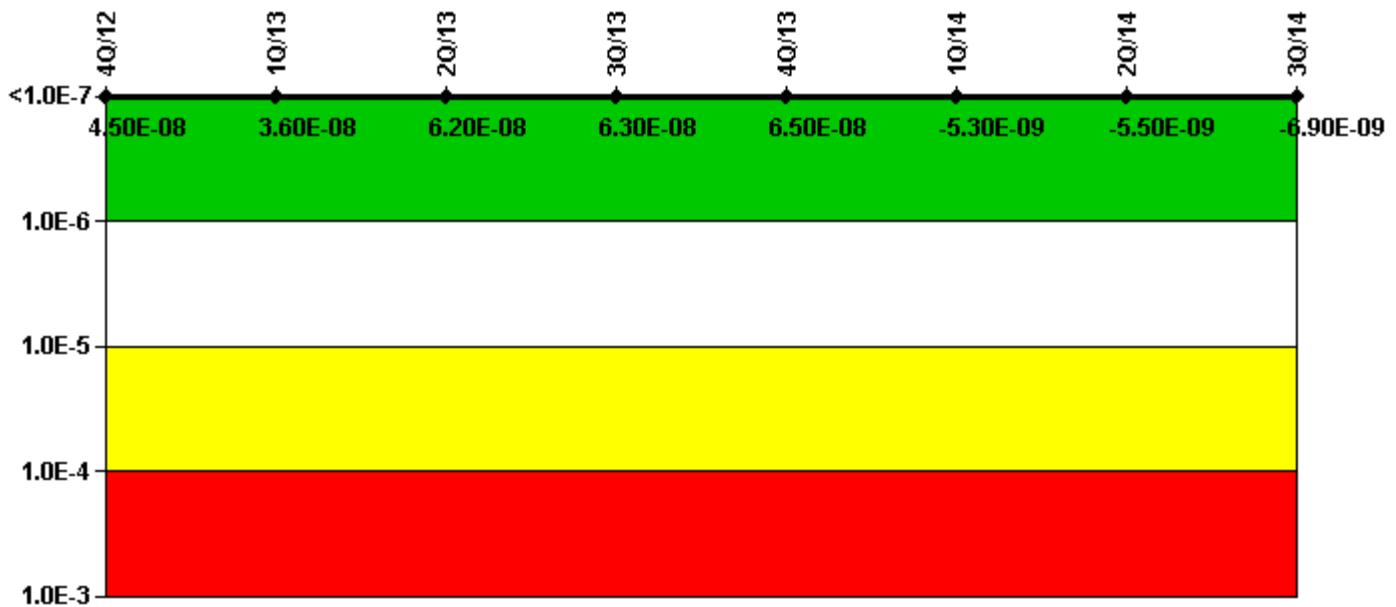
Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 5.40E-10 | 4.09E-08 | 4.15E-08 | 5.90E-08 | 8.06E-08 | 6.86E-08 | 9.53E-08 | 5.44E-08 |
| URI (Δ CDF) | -3.39E-07 | -3.31E-07 | -3.25E-07 | -3.24E-07 | -3.14E-07 | -3.08E-07 | -2.92E-07 | -2.73E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -3.40E-07 | -2.90E-07 | -2.80E-07 | -2.70E-07 | -2.30E-07 | -2.40E-07 | -2.00E-07 | -2.20E-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, High Pressure Injection System



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

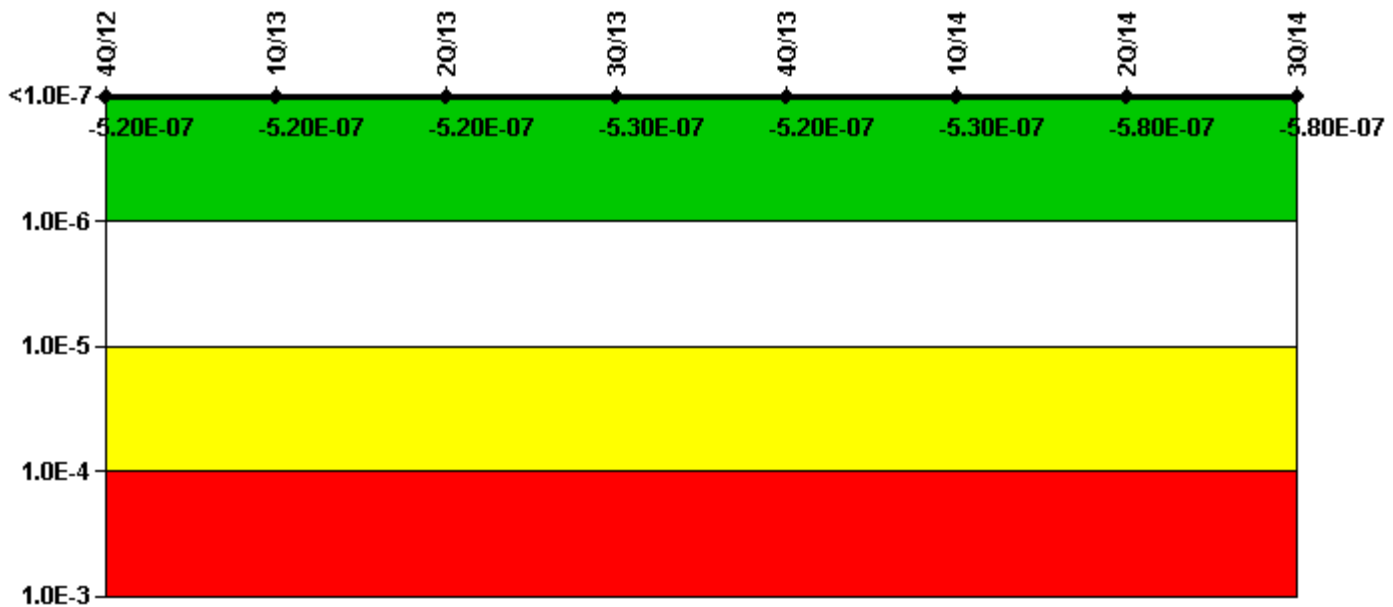
Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|
| UAI (Δ CDF) | 5.39E-08 | 4.45E-08 | 7.03E-08 | 7.22E-08 | 7.36E-08 | 3.61E-09 | 3.48E-09 | 2.04E-09 |
| URI (Δ CDF) | -8.88E-09 | -8.96E-09 | -8.76E-09 | -9.59E-09 | -8.87E-09 | -8.90E-09 | -8.94E-09 | -8.94E-09 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 4.50E-08 | 3.60E-08 | 6.20E-08 | 6.30E-08 | 6.50E-08 | -5.30E-09 | -5.50E-09 | -6.90E-09 |

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

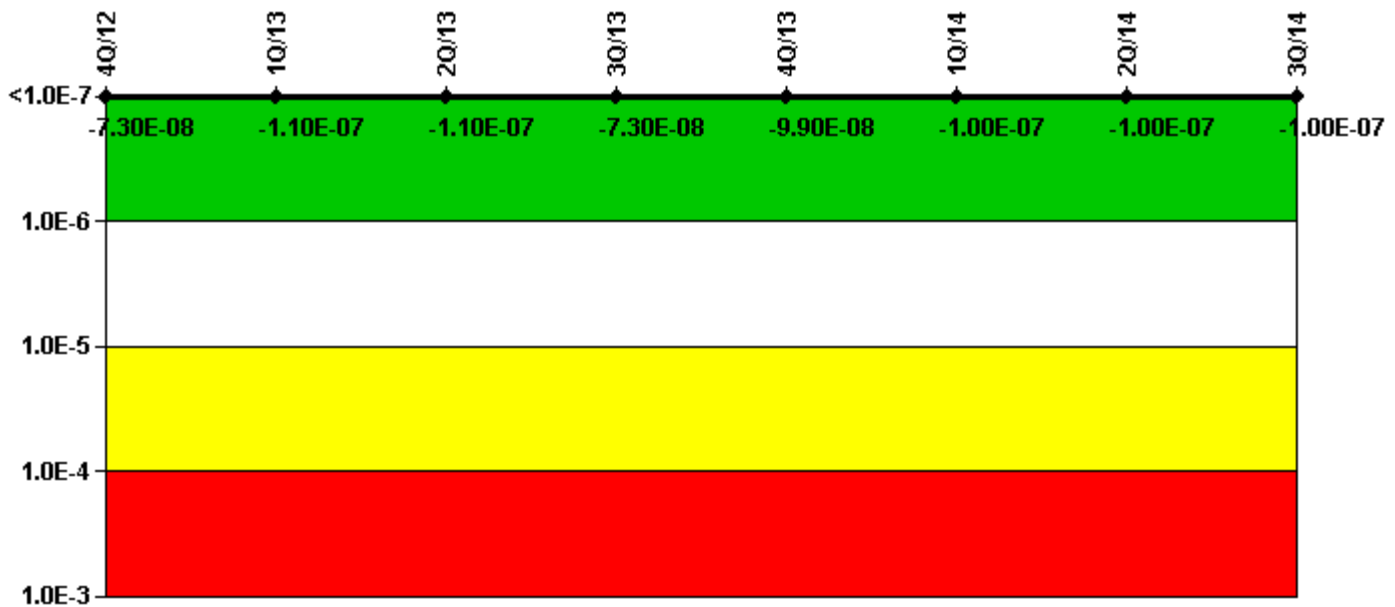
Notes

| Mitigating Systems Performance Index, Heat Removal System | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -6.39E-08 | -6.39E-08 | -6.39E-08 | -6.30E-08 | -6.48E-08 | -7.35E-08 | -1.19E-07 | -1.19E-07 |
| URI (Δ CDF) | -4.56E-07 | -4.60E-07 | -4.60E-07 | -4.72E-07 | -4.59E-07 | -4.59E-07 | -4.63E-07 | -4.59E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -5.20E-07 | -5.20E-07 | -5.20E-07 | -5.30E-07 | -5.20E-07 | -5.30E-07 | -5.80E-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

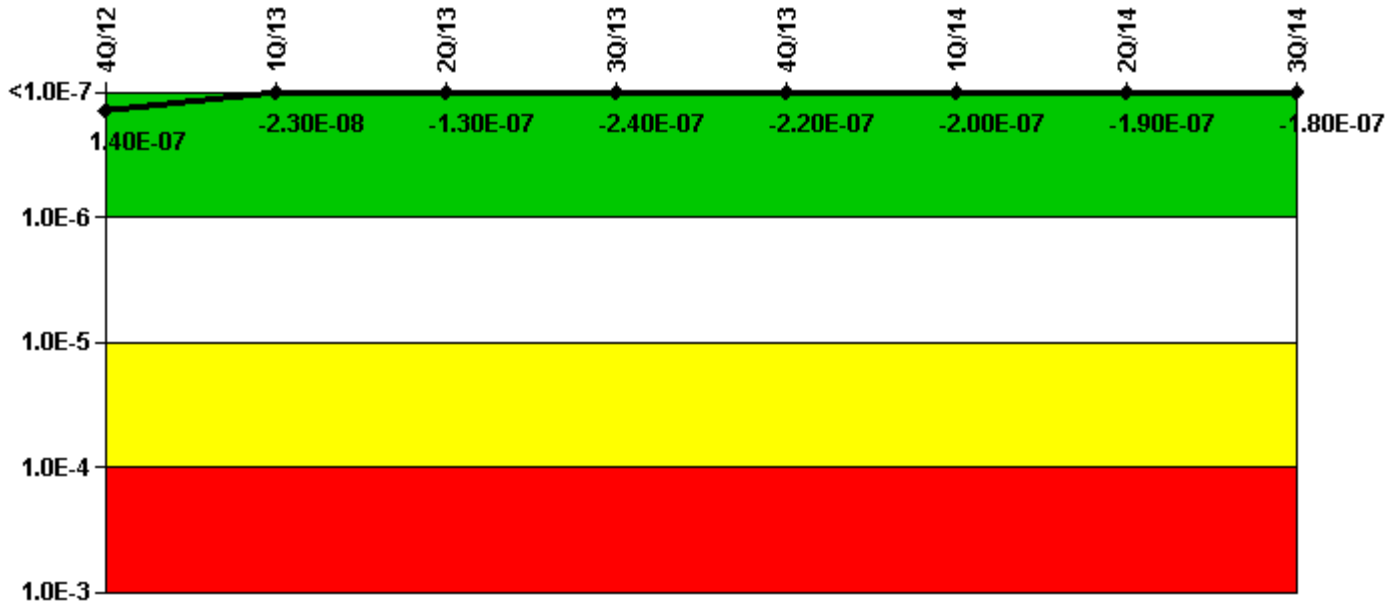
Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 2.91E-08 | -6.41E-09 | -6.41E-09 | 4.72E-08 | -2.81E-09 | -6.87E-09 | -6.87E-09 | -6.87E-09 |
| URI (Δ CDF) | -1.02E-07 | -1.02E-07 | -1.02E-07 | -1.20E-07 | -9.59E-08 | -9.63E-08 | -9.55E-08 | -9.53E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -7.30E-08 | -1.10E-07 | -1.10E-07 | -7.30E-08 | -9.90E-08 | -1.00E-07 | -1.00E-07 | -1.00E-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

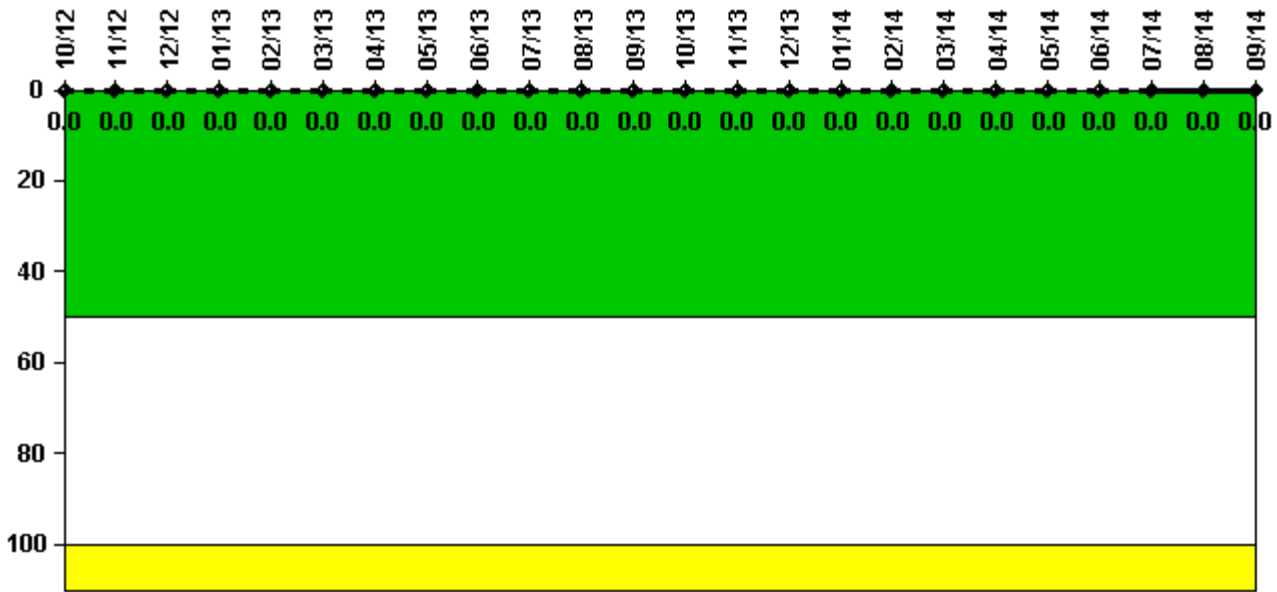
| Mitigating Systems Performance Index, Cooling Water Systems | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 1.12E-07 | 1.41E-07 | 2.69E-08 | -7.85E-08 | -7.19E-08 | -5.45E-08 | -5.45E-08 | -5.45E-08 |
| URI (Δ CDF) | 2.64E-08 | -1.63E-07 | -1.59E-07 | -1.57E-07 | -1.48E-07 | -1.42E-07 | -1.32E-07 | -1.25E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 1.40E-07 | -2.30E-08 | -1.30E-07 | -2.40E-07 | -2.20E-07 | -2.00E-07 | -1.90E-07 | -1.80E-07 |

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.

Reactor Coolant System Activity



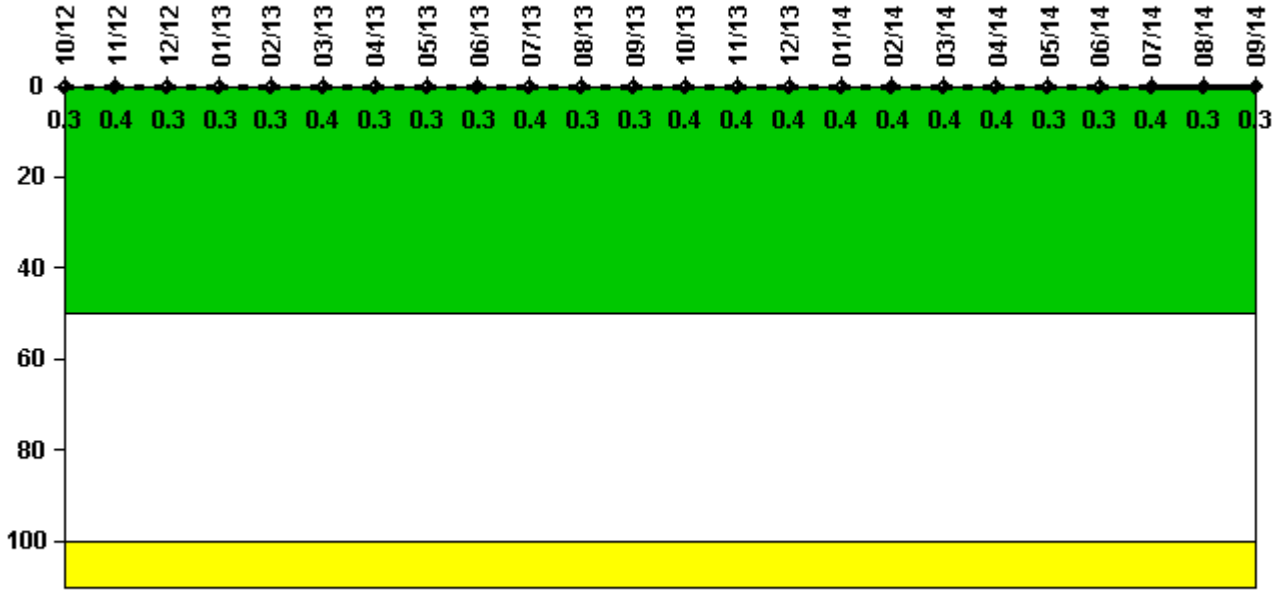
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Activity | 10/12 | 11/12 | 12/12 | 1/13 | 2/13 | 3/13 | 4/13 | 5/13 | 6/13 | 7/13 | 8/13 | 9/13 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000202 | 0.000210 | 0.000248 | 0.000227 | 0.000240 | 0.000257 | 0.000266 | 0.000275 | 0.000297 | 0.000317 | 0.000316 | 0.000334 |
| 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 |
| Reactor Coolant System Activity | 10/13 | 11/13 | 12/13 | 1/14 | 2/14 | 3/14 | 4/14 | 5/14 | 6/14 | 7/14 | 8/14 | 9/14 |
| Maximum activity | 0.000107 | 0.000121 | 0.000124 | 0.000127 | 0.000147 | 0.000156 | 0.000167 | 0.000192 | 0.000184 | 0.000193 | 0.000212 | 0.000222 |
| 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



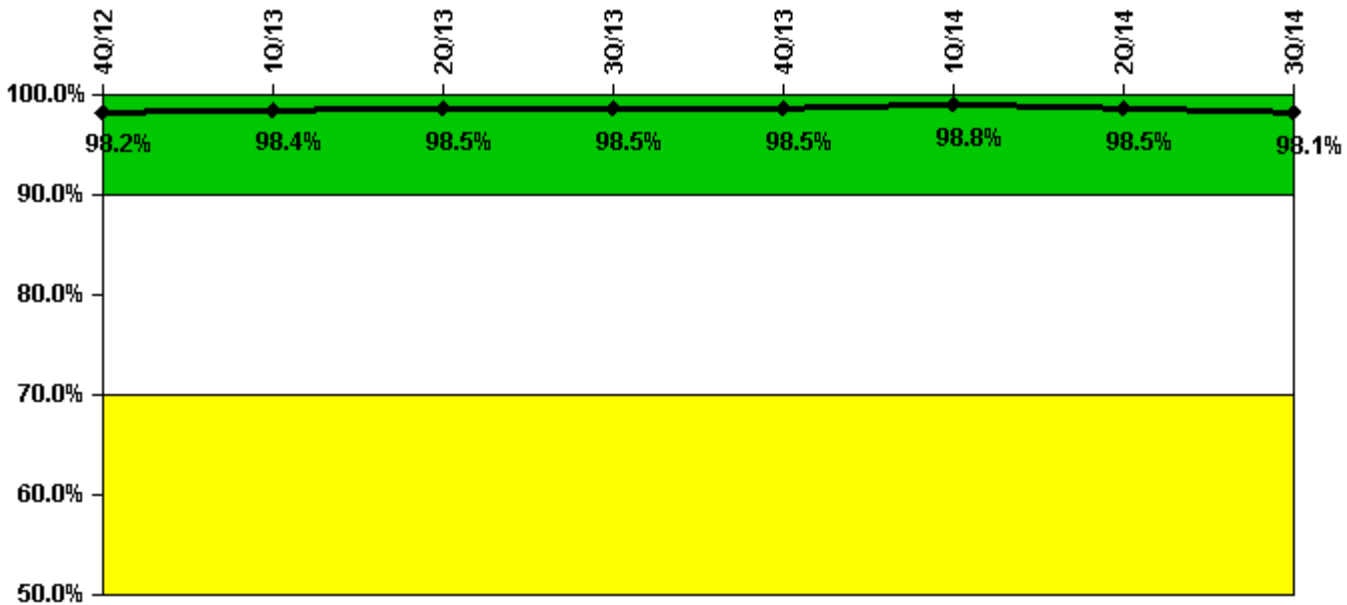
Thresholds: White > 50.0 Yellow > 100.0

Notes

| Reactor Coolant System Leakage | 10/12 | 11/12 | 12/12 | 1/13 | 2/13 | 3/13 | 4/13 | 5/13 | 6/13 | 7/13 | 8/13 | 9/13 |
|--------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Maximum leakage | 0.033 | 0.036 | 0.031 | 0.033 | 0.034 | 0.036 | 0.034 | 0.033 | 0.033 | 0.035 | 0.033 | 0.026 |
| 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 | 0.4 | 0.3 | 0.3 | 0.3 | 0.4 | 0.3 | 0.3 | 0.3 | 0.4 | 0.3 | 0.3 |
| Reactor Coolant System Leakage | 10/13 | 11/13 | 12/13 | 1/14 | 2/14 | 3/14 | 4/14 | 5/14 | 6/14 | 7/14 | 8/14 | 9/14 |
| Maximum leakage | 0.043 | 0.040 | 0.039 | 0.037 | 0.039 | 0.041 | 0.038 | 0.031 | 0.030 | 0.038 | 0.031 | 0.031 |
| 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 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.3 | 0.3 |

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

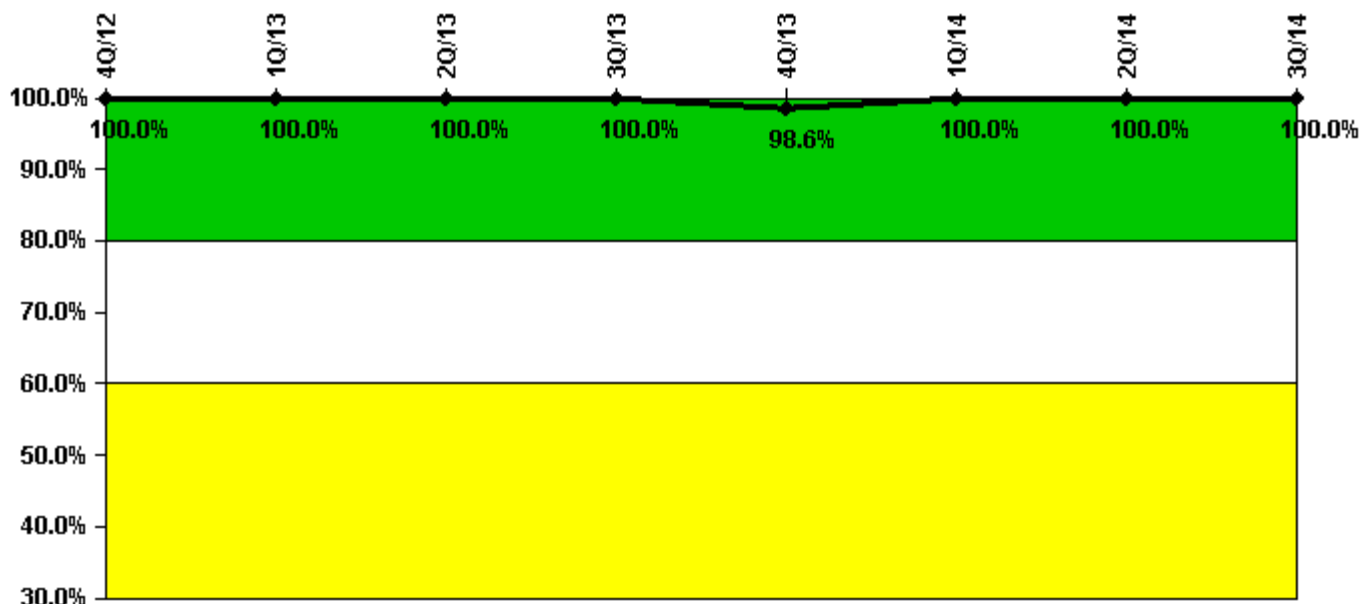
Notes

| Drill/Exercise Performance | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 31.0 | 22.0 | 39.0 | 58.0 | 80.0 | 21.0 | 66.0 | 51.0 |
| Total opportunities | 33.0 | 22.0 | 39.0 | 58.0 | 80.0 | 21.0 | 68.0 | 54.0 |
| Indicator value | 98.2% | 98.4% | 98.5% | 98.5% | 98.5% | 98.8% | 98.5% | 98.1% |

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



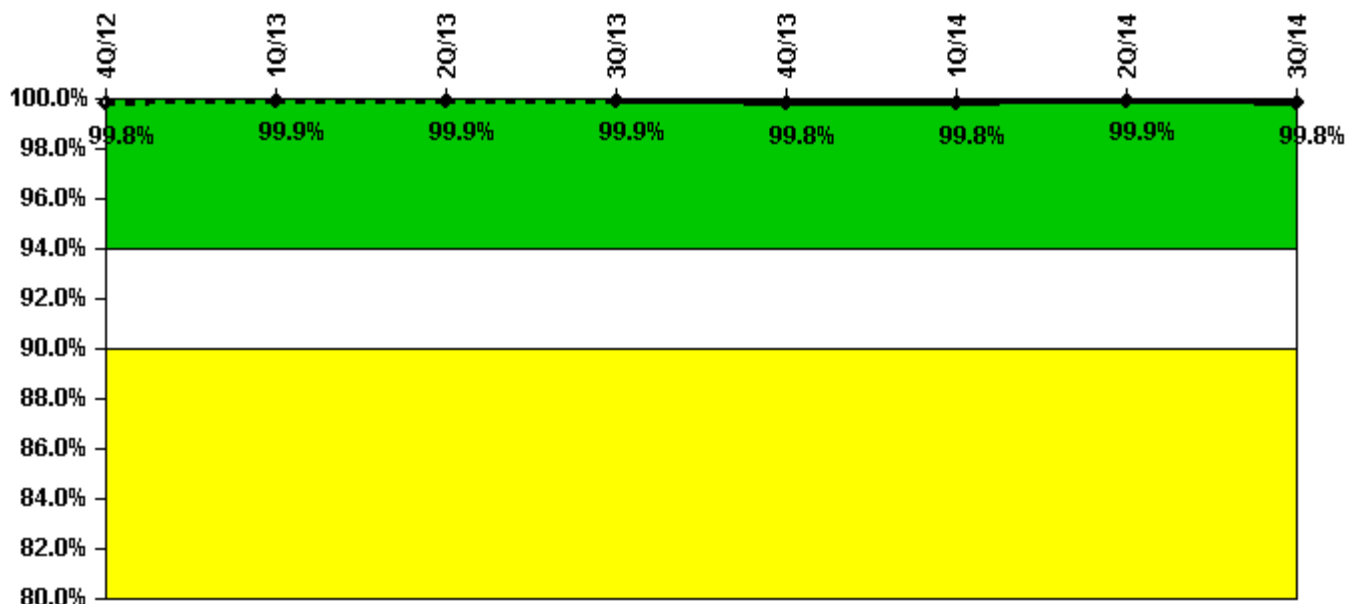
Thresholds: White < 80.0% Yellow < 60.0%

Notes

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

Licensee Comments: none

Alert & Notification System



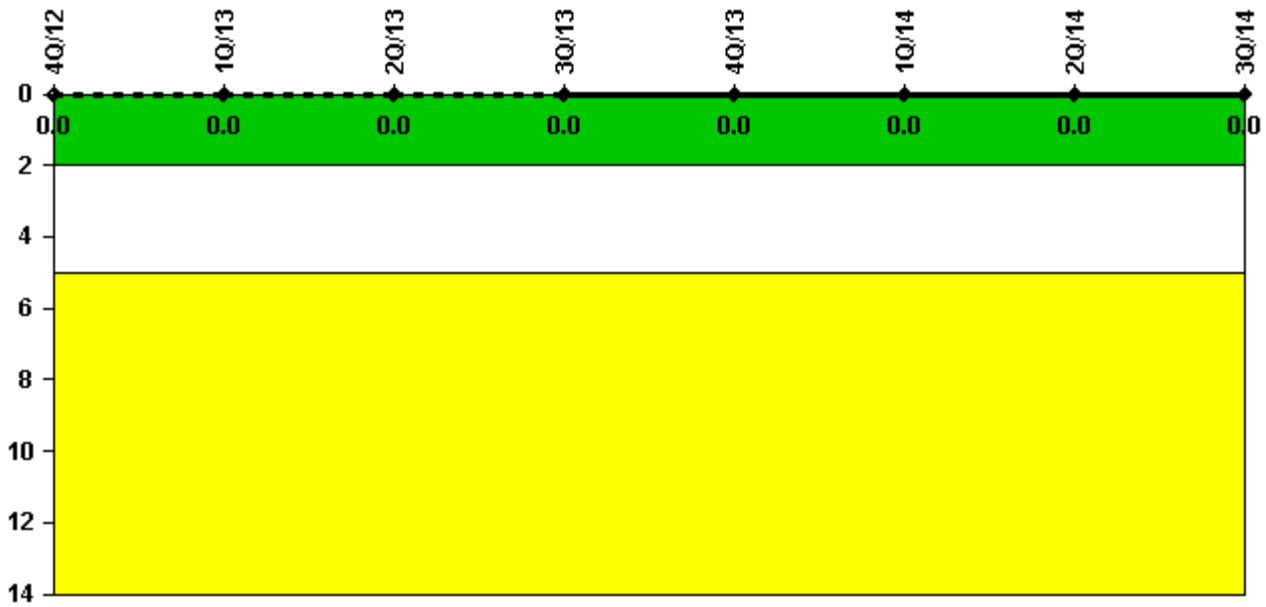
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Successful siren-tests | 3070 | 3070 | 3065 | 3068 | 3060 | 3024 | 3070 | 3058 |
| Total sirens-tests | 3072 | 3072 | 3072 | 3072 | 3072 | 3024 | 3072 | 3072 |
| | | | | | | | | |
| Indicator value | 99.8% | 99.9% | 99.9% | 99.9% | 99.8% | 99.8% | 99.9% | 99.8% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



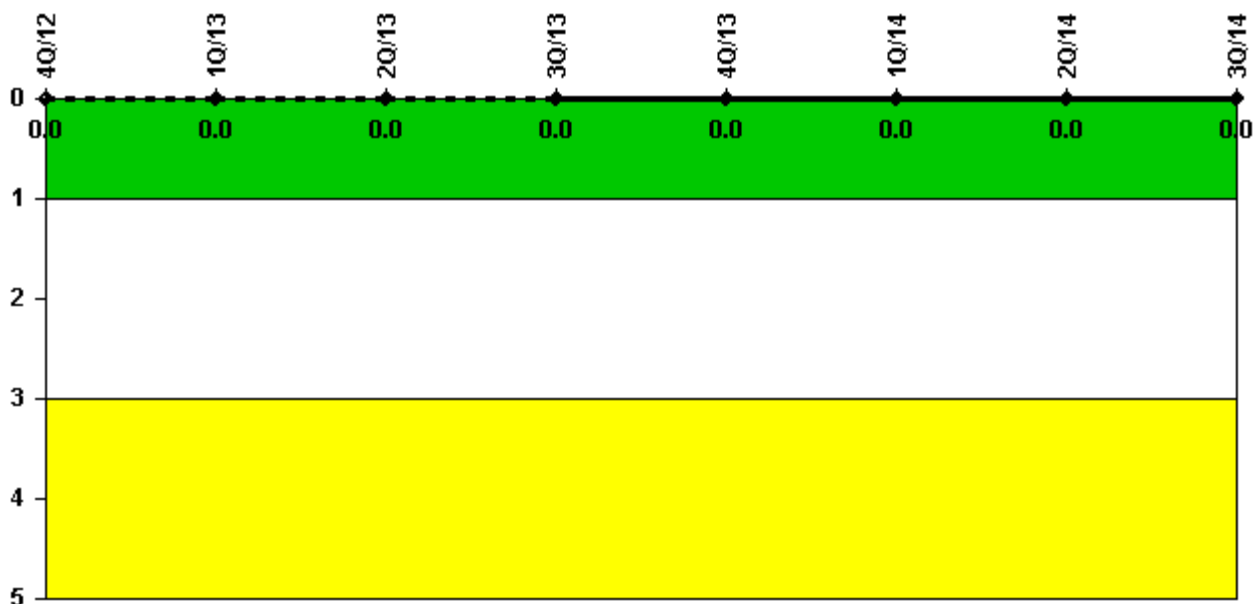
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/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 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/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: November 3, 2014