

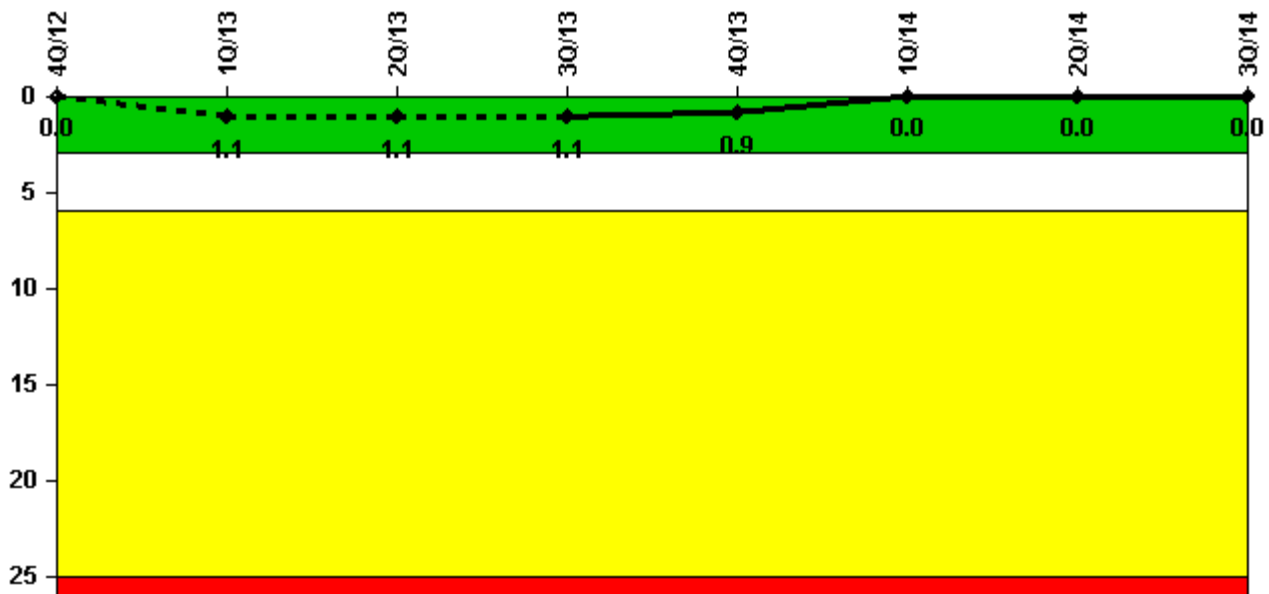
Waterford 3

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



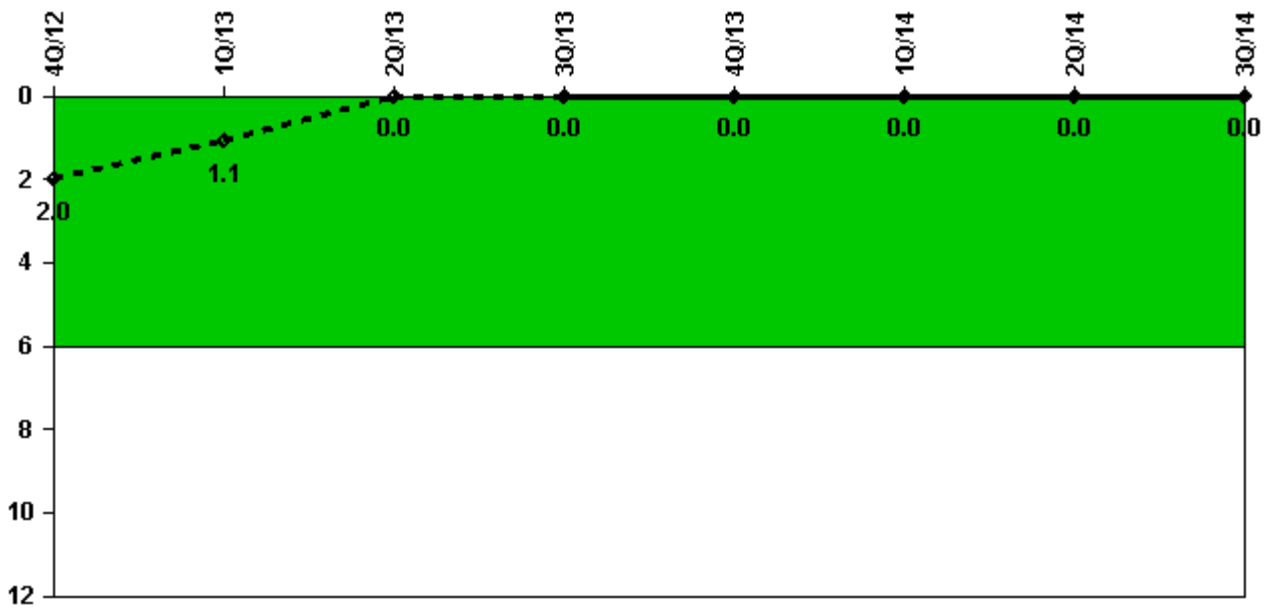
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 383.8 | 1726.0 | 2069.0 | 2208.0 | 2209.0 | 2159.0 | 1439.6 | 2208.0 |
| Indicator value | 0 | 1.1 | 1.1 | 1.1 | 0.9 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



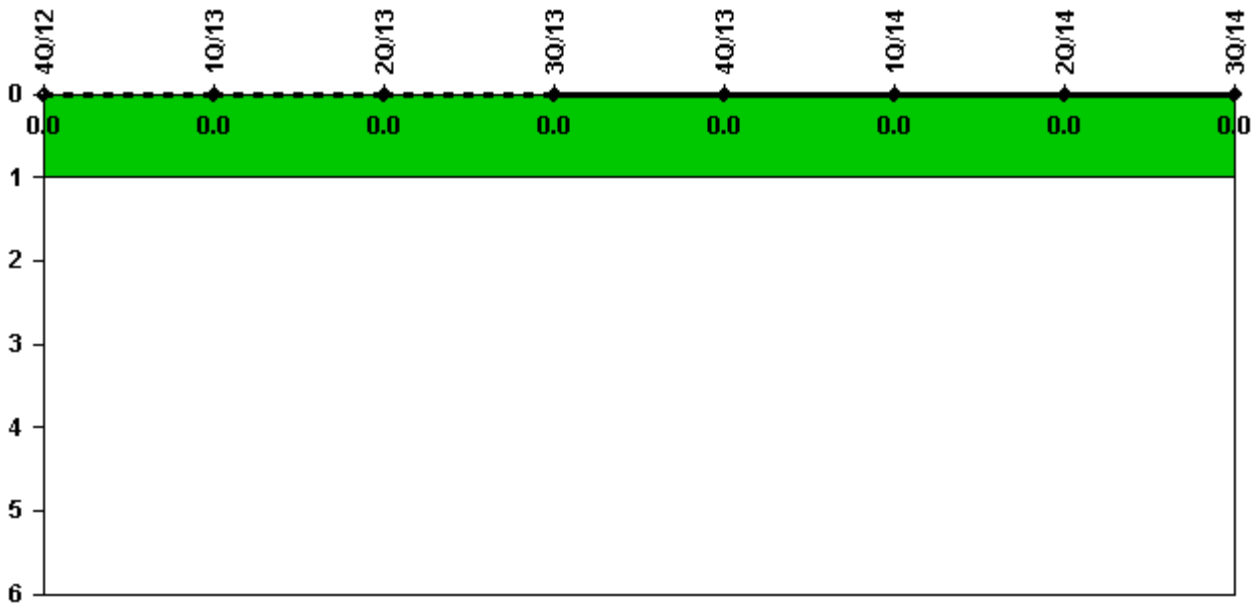
Thresholds: White > 6.0

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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 383.8 | 1726.0 | 2069.0 | 2208.0 | 2209.0 | 2159.0 | 1439.6 | 2208.0 |
| Indicator value | 2.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Scrams with Complications



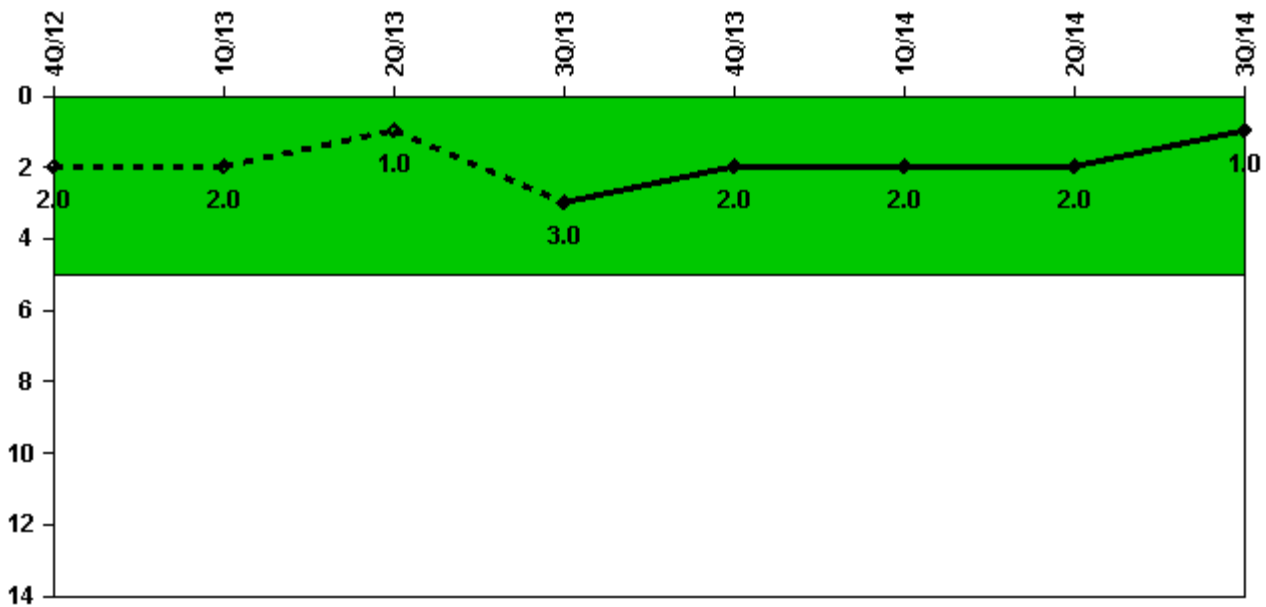
Thresholds: White > 1.0

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

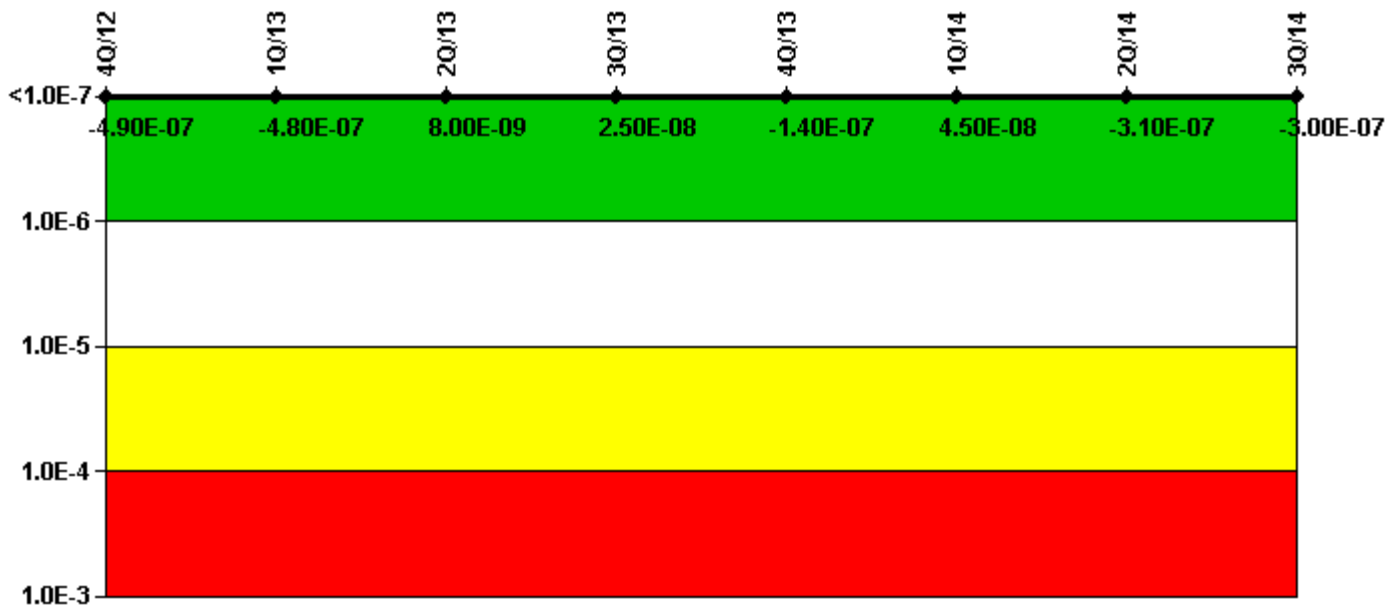
Notes

| 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 | 0 | 0 | 2 | 0 | 0 | 0 | 1 |
| Indicator value | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 1 |

Licensee Comments:

3Q/13: LER 2013-003-00 submitted in July 2013. LER 2013-005-00 submitted in September 2013.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

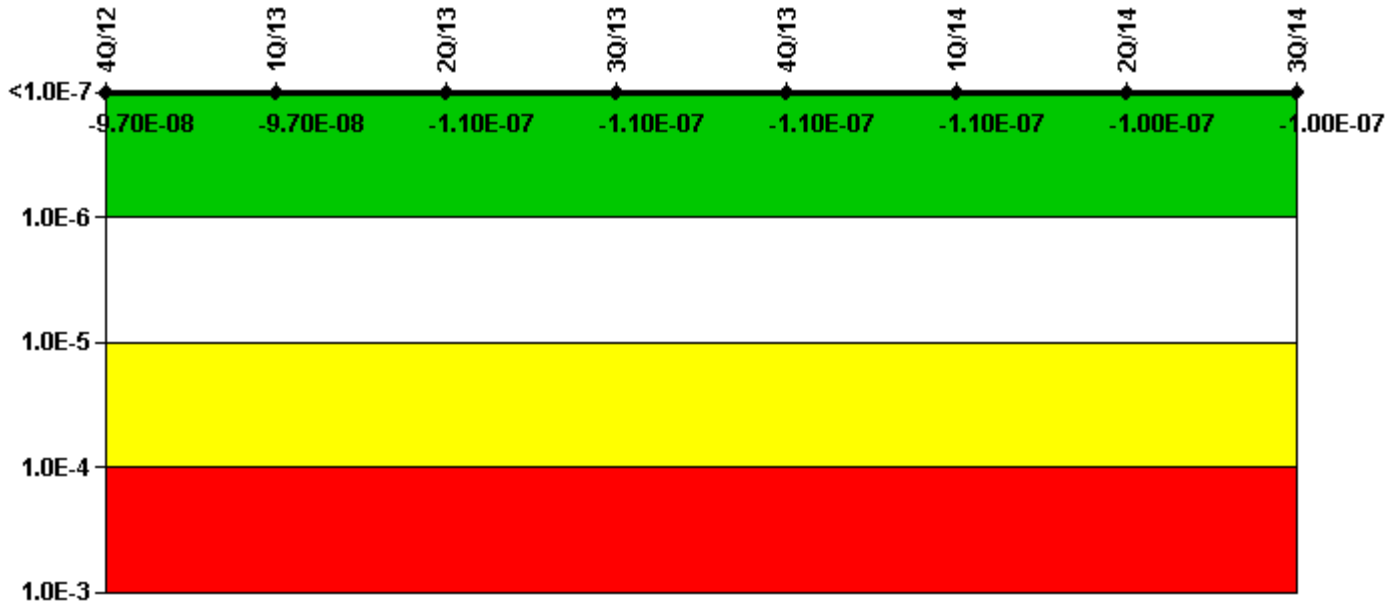
| Mitigating Systems Performance Index, Emergency AC Power System | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -2.66E-09 | -3.60E-09 | 1.19E-07 | 1.29E-07 | 3.47E-09 | 1.79E-07 | 1.09E-07 | 1.03E-07 |
| URI (Δ CDF) | -4.87E-07 | -4.77E-07 | -1.11E-07 | -1.04E-07 | -1.40E-07 | -1.34E-07 | -4.15E-07 | -4.04E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -4.90E-07 | -4.80E-07 | 8.00E-09 | 2.50E-08 | -1.40E-07 | 4.50E-08 | -3.10E-07 | -3.00E-07 |

Licensee Comments:

3Q/13: Added a failure report for Emergency Diesel Generator A that occurred in April 2013. Caused by failure of both Emergency Generator A starting air systems due to gasket leaks. Air compressor A1 and A2 gaskets were replaced which restored operability. The PI color is unaffected by this change and remains green.

2Q/13: Added a failure report for Emergency Diesel Generator A that occurred in April 2013. Caused by failure of both Emergency Generator A starting air systems due to gasket leaks. Air compressor A1 and A2 gaskets were replaced which restored operability. The PI color is unaffected by this change and remains green.

Mitigating Systems Performance Index, High Pressure Injection System



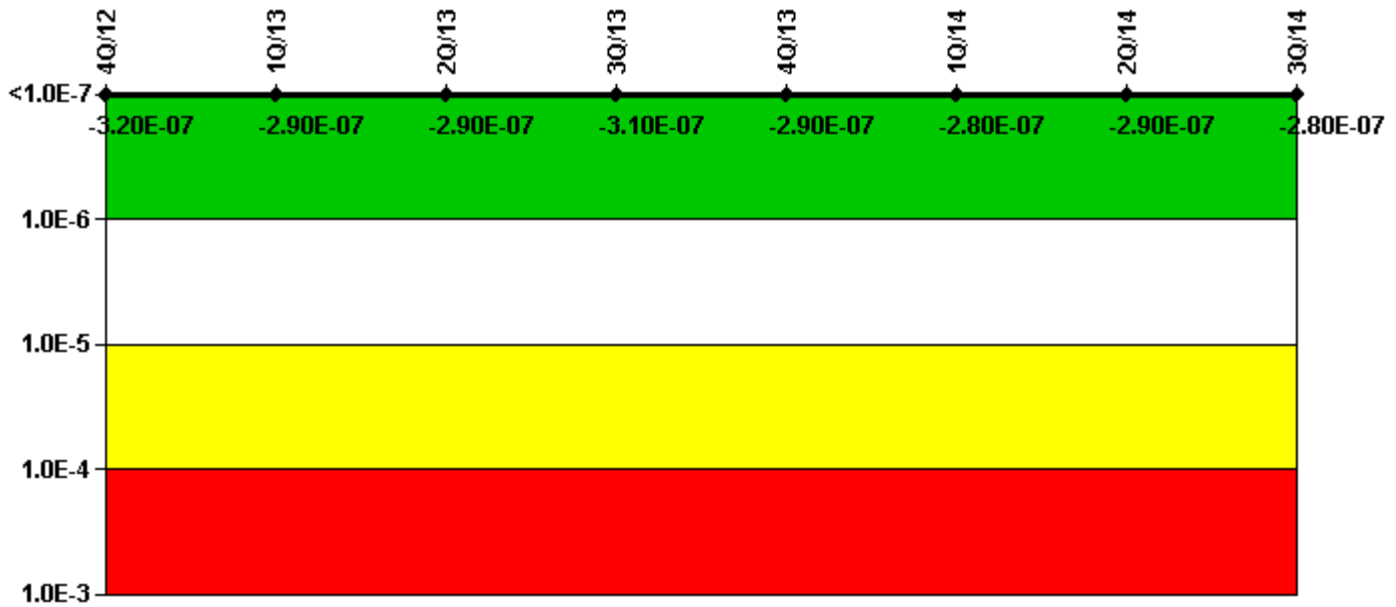
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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) | -5.25E-09 | -5.10E-09 | -1.30E-08 | -1.30E-08 | -1.30E-08 | -1.30E-08 | -1.30E-08 | -9.58E-09 |
| URI (Δ CDF) | -9.13E-08 | -9.23E-08 | -9.29E-08 | -9.37E-08 | -9.36E-08 | -9.33E-08 | -9.13E-08 | -9.18E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -9.70E-08 | -9.70E-08 | -1.10E-07 | -1.10E-07 | -1.10E-07 | -1.10E-07 | -1.00E-07 | -1.00E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



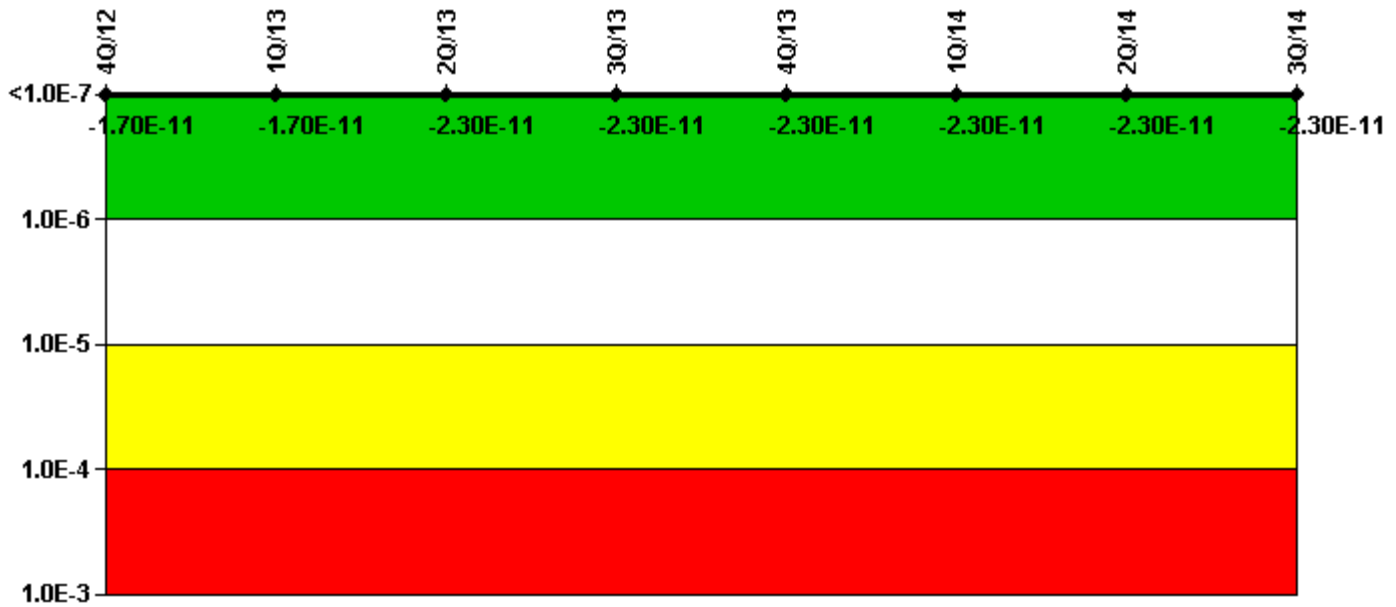
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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) | -3.12E-08 | 1.62E-08 | 1.55E-08 | 2.54E-09 | 2.23E-08 | 3.37E-08 | 3.32E-08 | 3.32E-08 |
| URI (Δ CDF) | -2.92E-07 | -3.06E-07 | -3.06E-07 | -3.09E-07 | -3.11E-07 | -3.15E-07 | -3.21E-07 | -3.14E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -3.20E-07 | -2.90E-07 | -2.90E-07 | -3.10E-07 | -2.90E-07 | -2.80E-07 | -2.90E-07 | -2.80E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



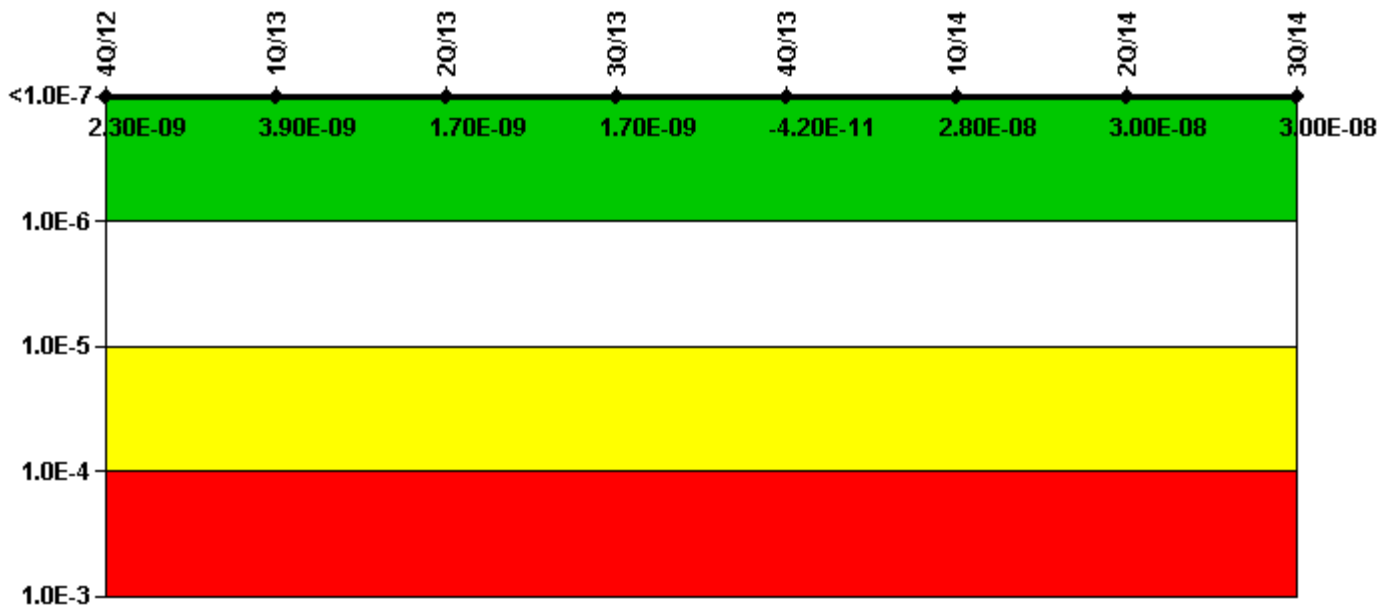
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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) | -5.00E-12 | -4.89E-12 | -1.07E-11 | -1.07E-11 | -1.07E-11 | -1.07E-11 | -1.07E-11 | -1.07E-11 |
| URI (Δ CDF) | -1.17E-11 | -1.19E-11 | -1.18E-11 | -1.20E-11 | -1.22E-11 | -1.23E-11 | -1.25E-11 | -1.23E-11 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.70E-11 | -1.70E-11 | -2.30E-11 | -2.30E-11 | -2.30E-11 | -2.30E-11 | -2.30E-11 | -2.30E-11 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



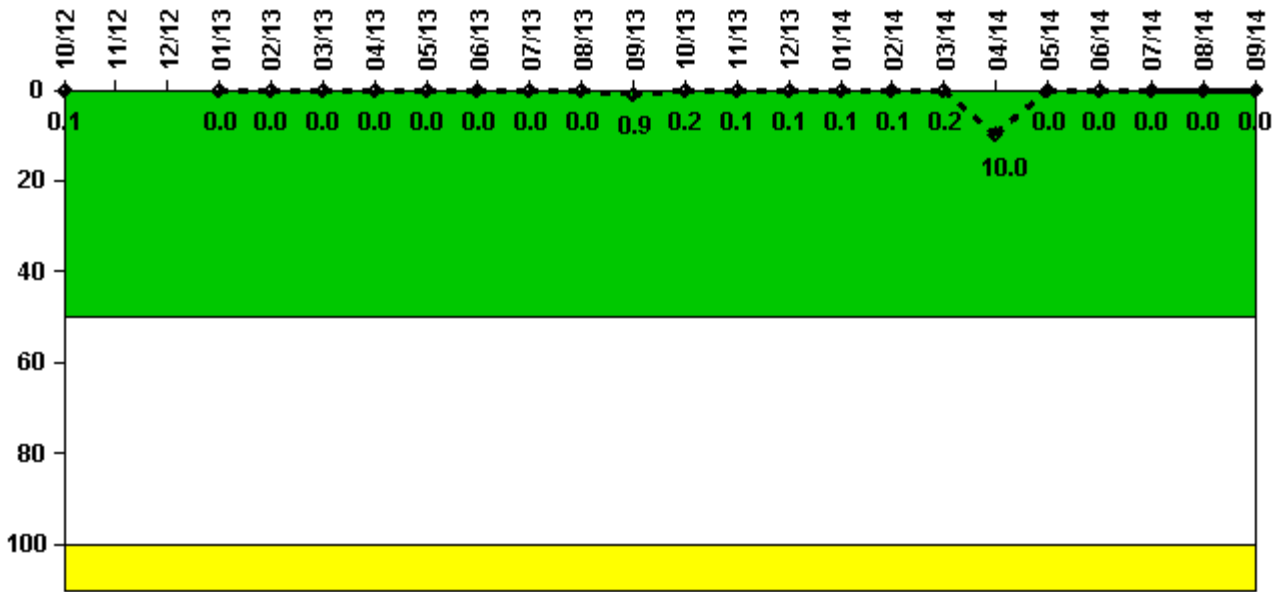
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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) | 4.12E-08 | 4.25E-08 | 4.15E-08 | 4.18E-08 | 4.03E-08 | 7.05E-08 | 7.28E-08 | 7.34E-08 |
| URI (Δ CDF) | -3.89E-08 | -3.86E-08 | -3.98E-08 | -4.01E-08 | -4.03E-08 | -4.26E-08 | -4.32E-08 | -4.30E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 2.30E-09 | 3.90E-09 | 1.70E-09 | 1.70E-09 | -4.20E-11 | 2.80E-08 | 3.00E-08 | 3.00E-08 |

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

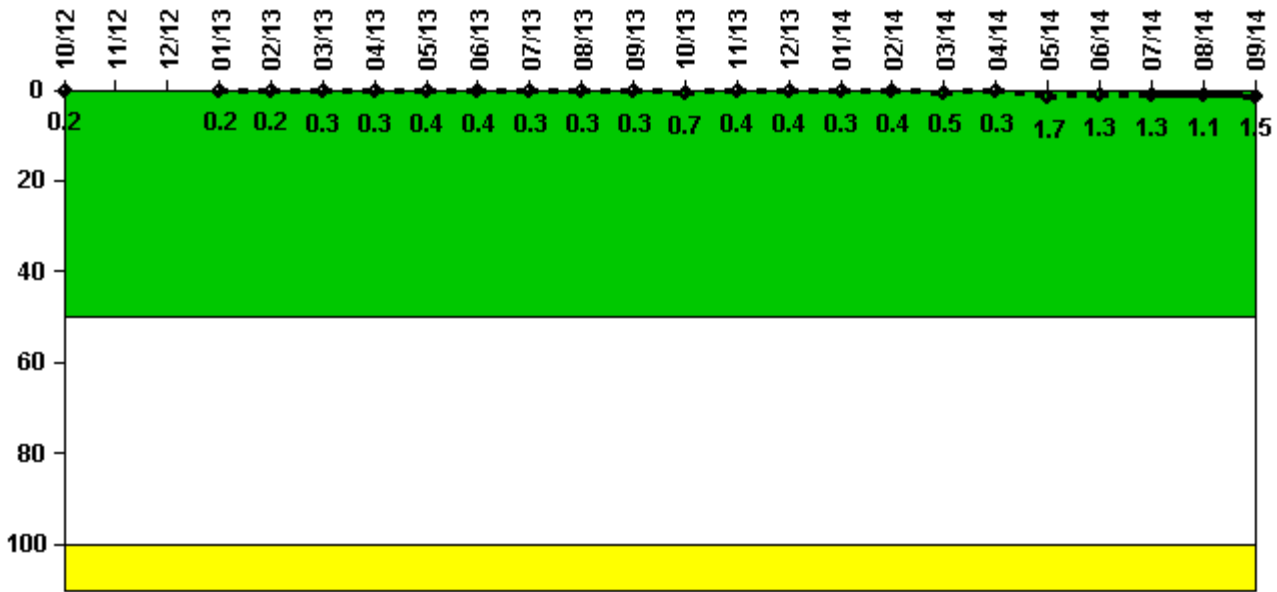
Notes

| 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 | 0.000671 | N/A | N/A | 0.000103 | 0.000187 | 0.000201 | 0.000221 | 0.000211 | 0.000246 | 0.000267 | 0.000278 | 0.008540 |
| 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 | N/A | N/A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 |

| 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 | 0.002010 | 0.001480 | 0.000664 | 0.000656 | 0.000954 | 0.002210 | 0.100000 | 0.000160 | 0.000133 | 0.000195 | 0.000185 | 0.000195 |
| 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 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 10.0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Reactor Coolant System Leakage



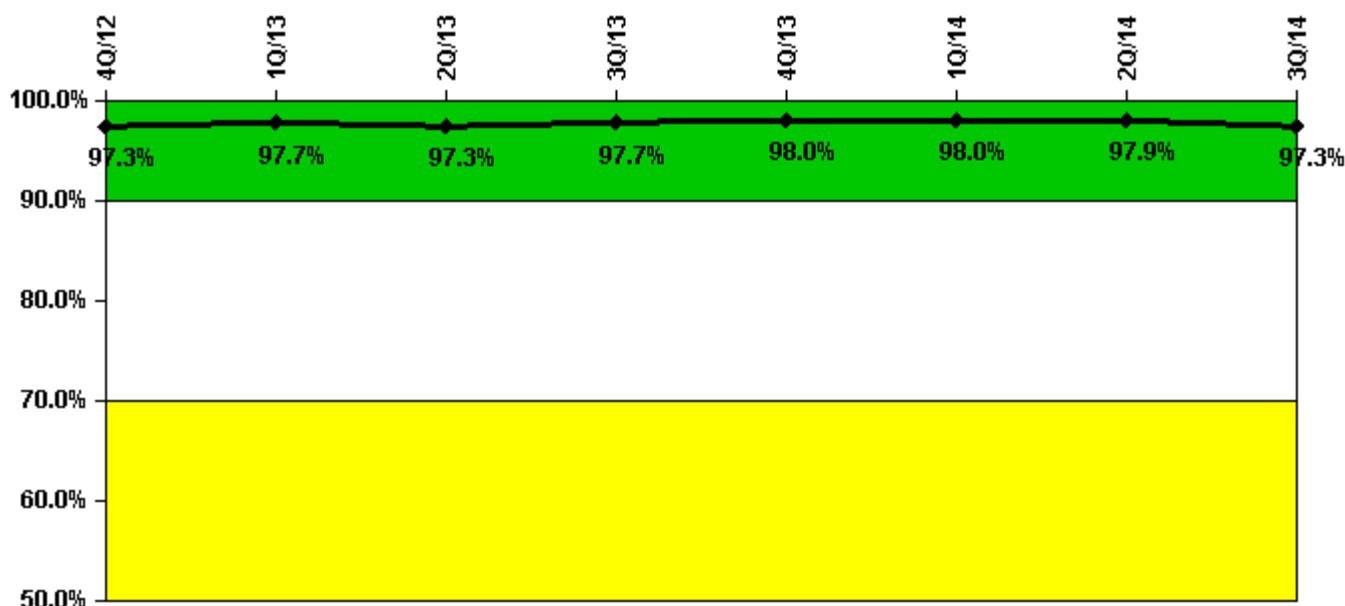
Thresholds: White > 50.0 Yellow > 100.0

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 | 0.020 | N/A | N/A | 0.020 | 0.020 | 0.030 | 0.030 | 0.040 | 0.040 | 0.030 | 0.030 | 0.030 |
| 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 | 0.2 | N/A | N/A | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 | 0.4 | 0.3 | 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 | 0.070 | 0.040 | 0.040 | 0.030 | 0.040 | 0.050 | 0.030 | 0.170 | 0.130 | 0.130 | 0.110 | 0.150 |
| 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 | 0.7 | 0.4 | 0.4 | 0.3 | 0.4 | 0.5 | 0.3 | 1.7 | 1.3 | 1.3 | 1.1 | 1.5 |

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

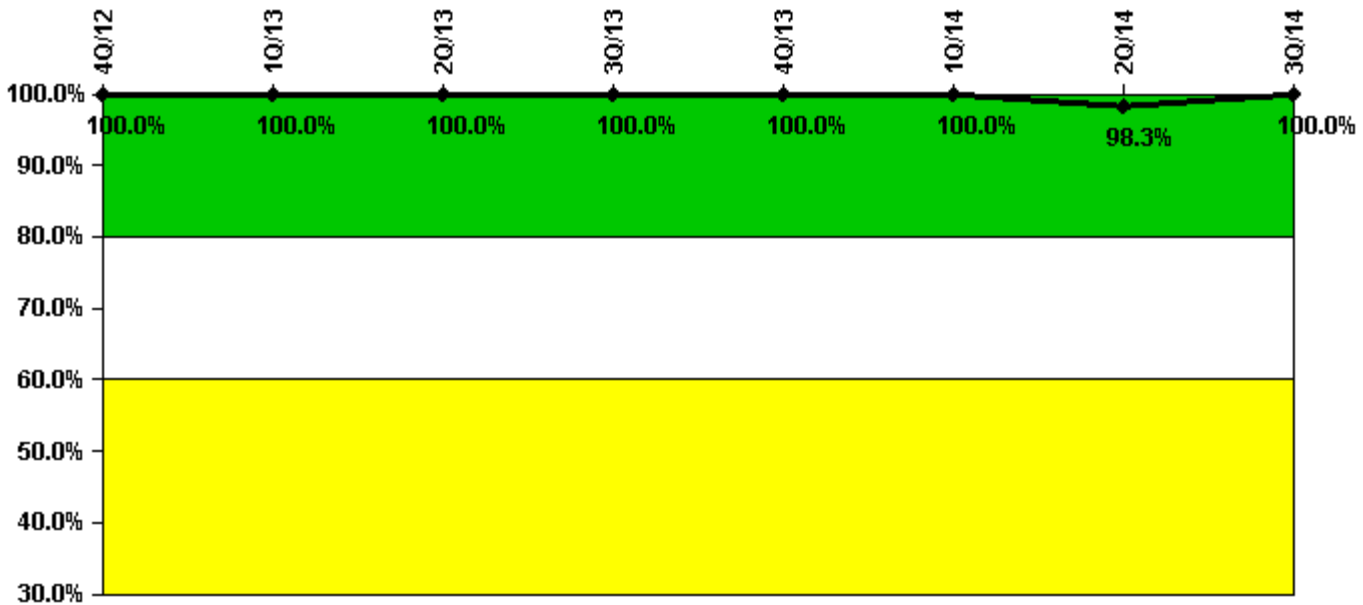
| Drill/Exercise Performance | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 0 | 21.0 | 46.0 | 100.0 | 46.0 | 36.0 | 46.0 | 25.0 |
| Total opportunities | 0 | 22.0 | 48.0 | 102.0 | 48.0 | 36.0 | 46.0 | 27.0 |
| Indicator value | 97.3% | 97.7% | 97.3% | 97.7% | 98.0% | 98.0% | 97.9% | 97.3% |

Licensee Comments:

3Q/13: A change report was submitted to address a followup Alert classification and its associated communication that were erroneously counted as two opportunities in March 2013. The successful to total opportunities for March 2013 was revised from "17 of 18" to "15 of 16." There is no effect on the PI color, which remains green.

1Q/13: A followup Alert classification and its associated communication were erroneously counted as two opportunities in March 2013. The successful to total opportunities for March 2013 is revised from "17 of 18" to "15 of 16." There is no effect on the PI color, which remains green.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

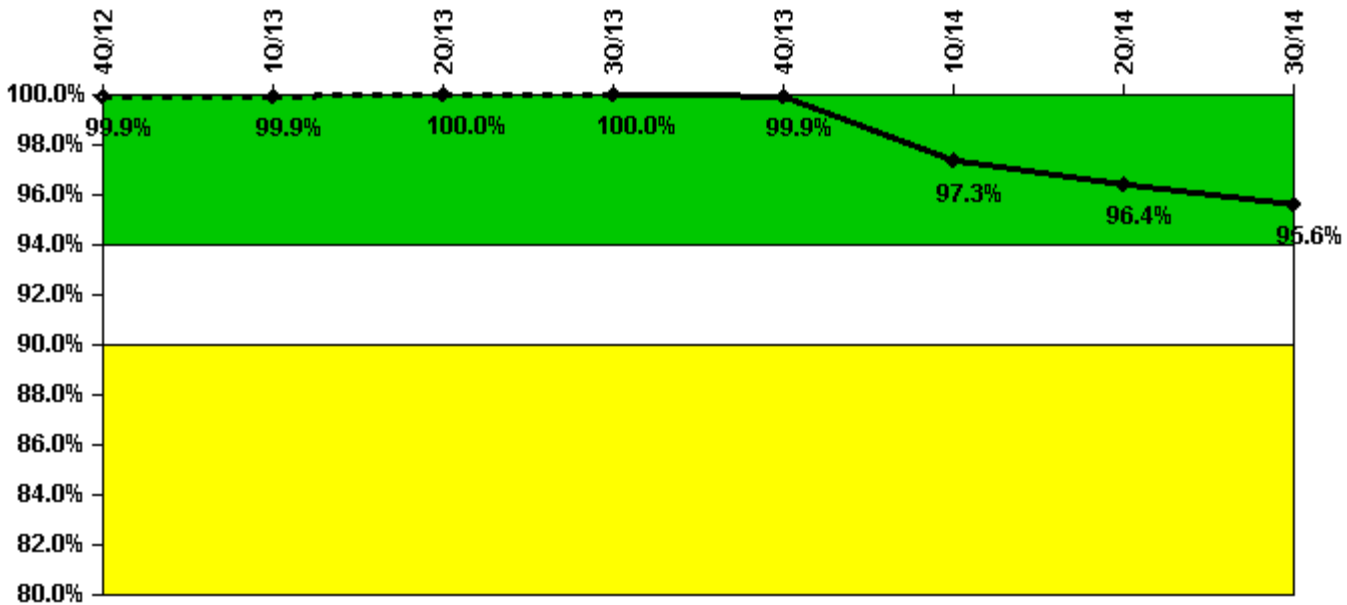
Notes

| ERO Drill Participation | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|-----------------------------|--------|--------|--------|--------|--------|--------|-------|--------|
| Participating Key personnel | 96.0 | 98.0 | 101.0 | 117.0 | 114.0 | 117.0 | 113.0 | 110.0 |
| Total Key personnel | 96.0 | 98.0 | 101.0 | 117.0 | 114.0 | 117.0 | 115.0 | 110.0 |
| Indicator value | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 98.3% | 100.0% |

Licensee Comments:

2Q/13: One additional key ERO member was identified as having been trained and qualified in June 2013 that was not previously counted. The reported participating and total key personnel is revised from "100 of 100" to "101 of 101." There is no effect on the PI color, which remains green.

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

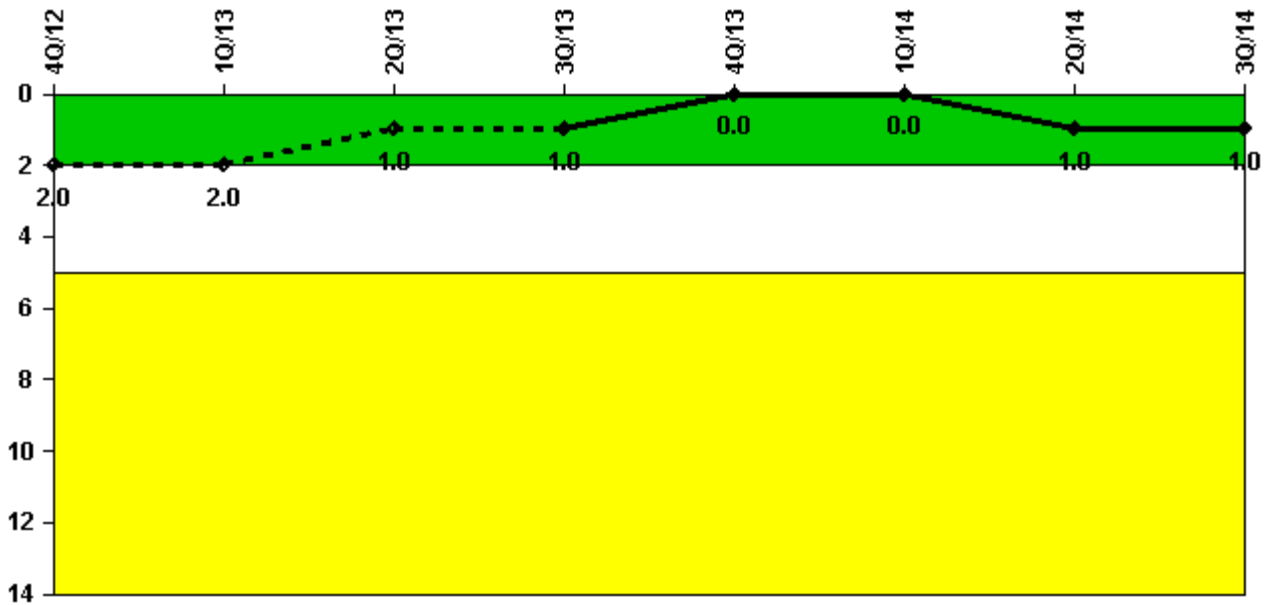
Notes

| Alert & Notification System | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|-----------------------------|-------|-------|--------|--------|-------|-------|-------|-------|
| Successful siren-tests | 438 | 438 | 438 | 438 | 437 | 392 | 422 | 424 |
| Total sirens-tests | 438 | 438 | 438 | 438 | 438 | 438 | 438 | 438 |
| Indicator value | 99.9% | 99.9% | 100.0% | 100.0% | 99.9% | 97.3% | 96.4% | 95.6% |

Licensee Comments:

3Q/13: A change report was submitted to address one additional key ERO member that was identified as having been trained and qualified in June 2013 that was not previously counted. The reported participating and total key personnel was revised from "100 of 100" to "101 of 101." There is no effect on the PI color, which remains green.

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

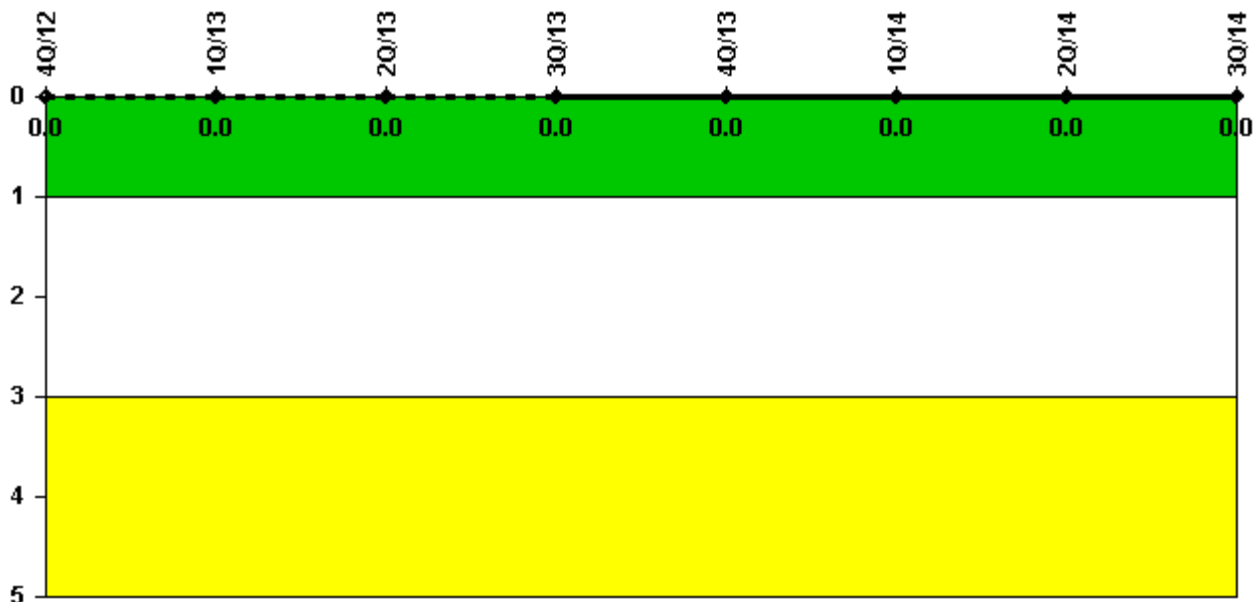
Notes

| Occupational Exposure Control Effectiveness | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 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 | 2 | 2 | 1 | 1 | 0 | 0 | 1 | 1 |

Licensee Comments:

4Q/12: The high radiation area occurrence reported in the 4th Quarter 2012 data submittal has been conservatively reported while a FAQ is developed based on other approved FAQs that address similar situations.

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