

FitzPatrick

3Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



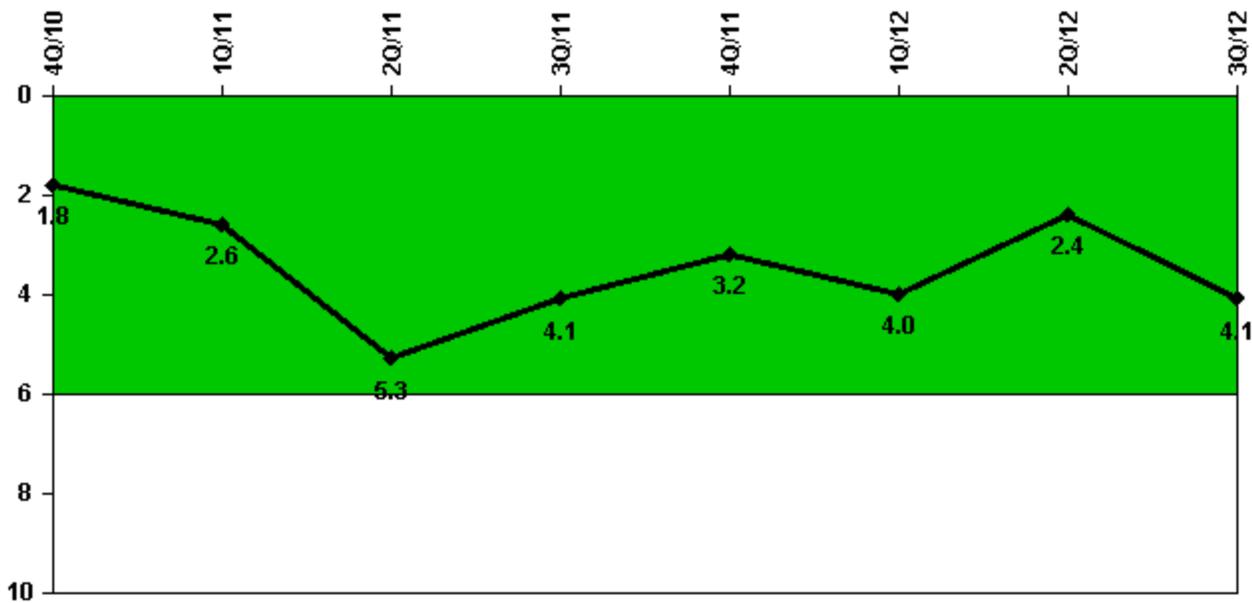
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|--|----------|----------|----------|----------|----------|----------|----------|----------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1890.1 | 2159.0 | 2184.0 | 2208.0 | 2209.0 | 2183.0 | 2184.0 | 1860.2 |
| Indicator value | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|
| Unplanned power changes | 1.0 | 1.0 | 3.0 | 0 | 0 | 2.0 | 1.0 | 2.0 |
| Critical hours | 1890.1 | 2159.0 | 2184.0 | 2208.0 | 2209.0 | 2183.0 | 2184.0 | 1860.2 |
| Indicator value | 1.8 | 2.6 | 5.3 | 4.1 | 3.2 | 4.0 | 2.4 | 4.1 |

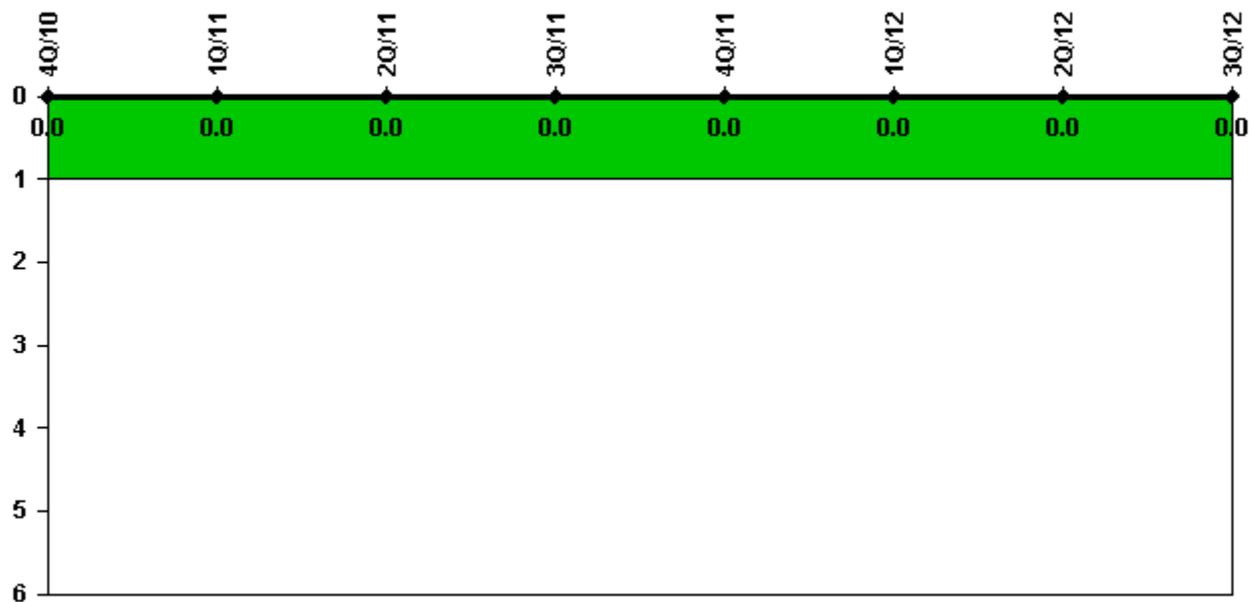
Licensee Comments:

4Q/11: A Power Change affecting May 2011 was changed to Unplanned based on a review by the Senior Resident Inspector. It involved a failed tube in the main condenser. Two (2) Power changes affecting June 2011 were reviewed by the Senior Resident inspector and by the ROP via the FAQ process. These two Power Changes were updated to Unplanned. They were caused by fouling of the main condenser due to maintenance work.

3Q/11: Three downpowers are being re-evaluated by the FAQ process to determine planned or unplanned status. Downpowers being considered for revision occurred on 5/6/11, 6/7/11, and 6/9/11. These include 1 downpower to repair main condenser tube leaks and 2 downpowers caused by defishing the main condenser during Traveling Screen maintenance.

2Q/11: Based on review with the Resident Inspector 1 power change in May was reclassified as unplanned. Two down powers in June were reviewed through the FAQ process and determined to not meet the NEI 99-02 environmental exclusion and were reclassified as unplanned.

Unplanned Scrams with Complications



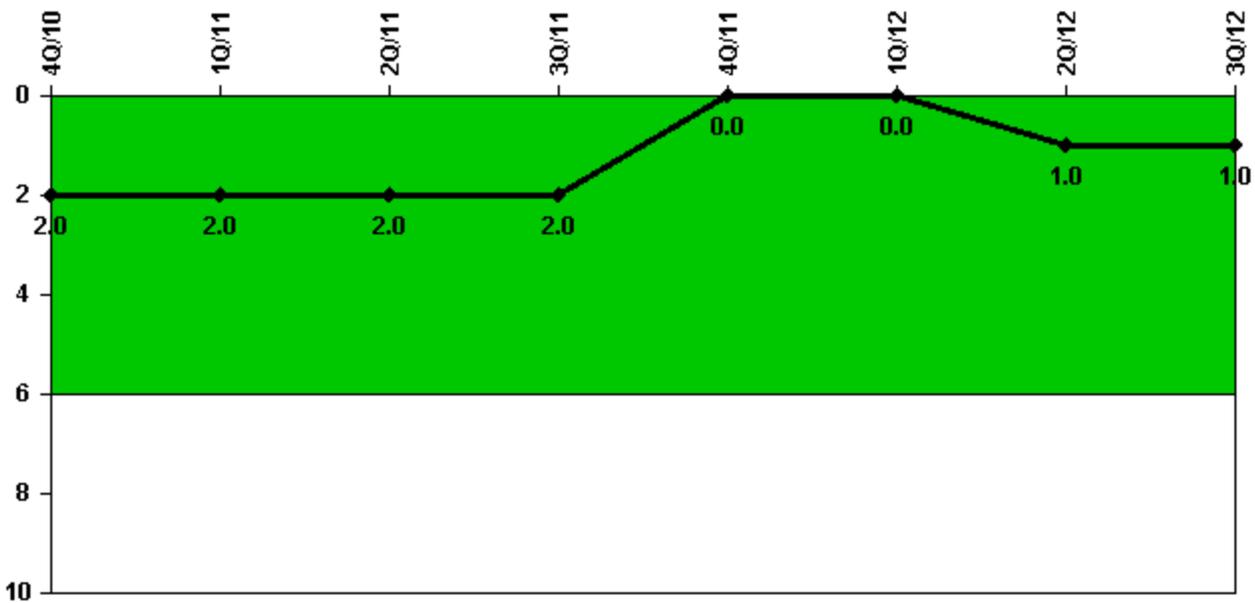
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

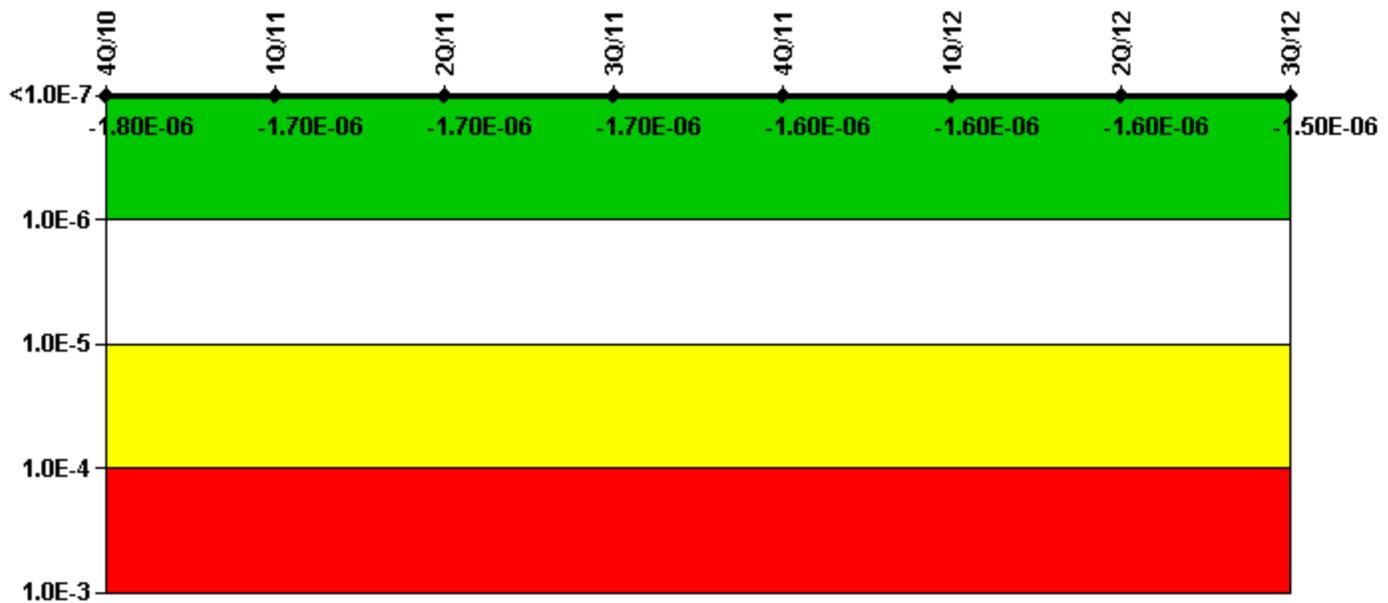
Notes

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

Licensee Comments:

2Q/12: LER-2012-001, Unit Cooler Fan Motor Contactor Low Voltage Test Failure Results in Loss of Safety Function and Condition Prohibited by the Technical Specifications, reported in June 2012

Mitigating Systems Performance Index, Emergency AC Power System



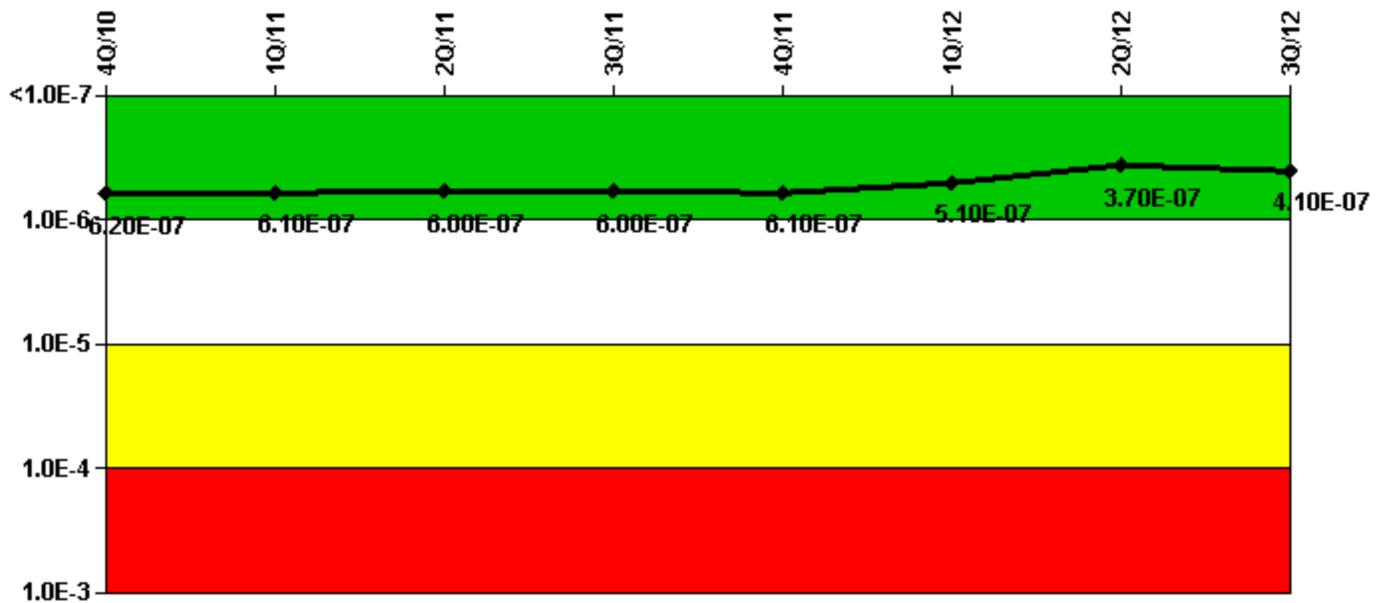
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 7.03E-09 | 7.25E-09 | 8.43E-09 | 7.54E-09 | 8.45E-09 | 1.05E-08 | 3.31E-09 | 3.14E-09 |
| URI (Δ CDF) | -1.77E-06 | -1.71E-06 | -1.74E-06 | -1.68E-06 | -1.66E-06 | -1.66E-06 | -1.56E-06 | -1.52E-06 |
| PLE | NO |
| Indicator value | -1.80E-06 | -1.70E-06 | -1.70E-06 | -1.70E-06 | -1.60E-06 | -1.60E-06 | -1.60E-06 | -1.50E-06 |

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

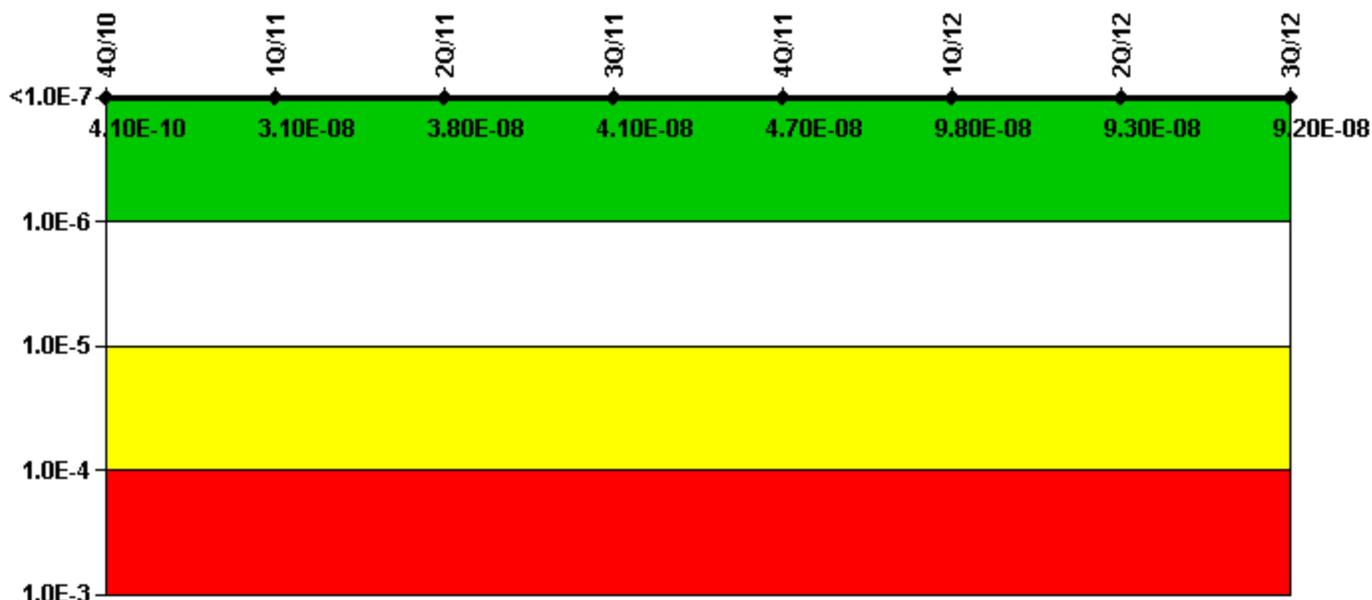
Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|--|----------|----------|----------|----------|----------|----------|----------|----------|
| UAI (ΔCDF) | 1.19E-07 | 1.23E-07 | 1.11E-07 | 1.06E-07 | 1.06E-07 | 9.04E-09 | 6.84E-08 | 9.29E-08 |
| URI (ΔCDF) | 5.03E-07 | 4.85E-07 | 4.94E-07 | 4.94E-07 | 5.03E-07 | 5.04E-07 | 3.05E-07 | 3.17E-07 |
| PLE | NO |
| Indicator value | 6.20E-07 | 6.10E-07 | 6.00E-07 | 6.00E-07 | 6.10E-07 | 5.10E-07 | 3.70E-07 | 4.10E-07 |

Licensee Comments:

4Q/10: MSPI Basis Document was revised to incorporate the 2009 PSA Model Update. The update resulted in deletion of 2 MOVs in the High Pressure Coolant Injection System and changes to most PSA values. Changes were incorporated effective for four Quarter 2010.

Mitigating Systems Performance Index, Heat Removal System



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

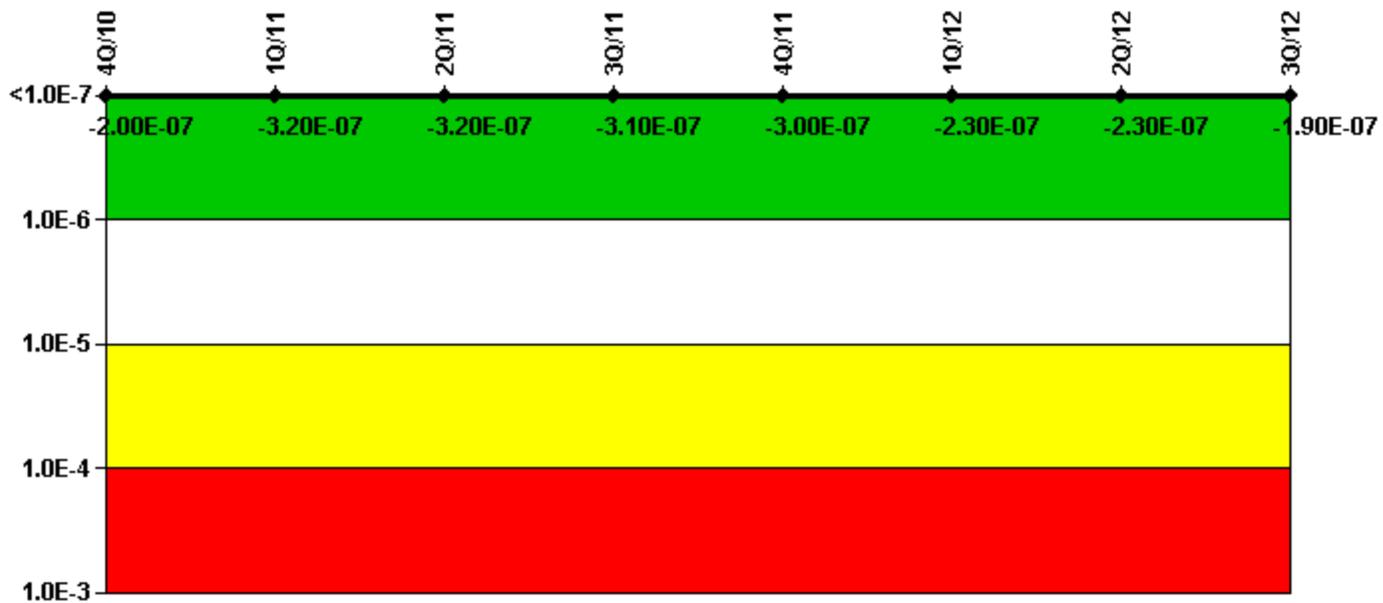
Notes

| Mitigating Systems Performance Index, Heat Removal System | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|-----------|-----------|----------|----------|----------|----------|----------|----------|
| UAI (Δ CDF) | 1.32E-08 | -3.32E-09 | 4.46E-09 | 8.93E-09 | 1.32E-08 | 6.19E-08 | 5.74E-08 | 6.05E-08 |
| URI (Δ CDF) | -1.28E-08 | 3.41E-08 | 3.40E-08 | 3.17E-08 | 3.41E-08 | 3.63E-08 | 3.60E-08 | 3.19E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 4.10E-10 | 3.10E-08 | 3.80E-08 | 4.10E-08 | 4.70E-08 | 9.80E-08 | 9.30E-08 | 9.20E-08 |

Licensee Comments:

4Q/10: Data for October was revised based on causal information developed in relation to a January 2011 failure of 13MOV-131. This information changed the classification of an October 2010 failure. The failure had previously be classified as related to maintenance and was determined to be a demand failure based on a January Failure.

Mitigating Systems Performance Index, Residual Heat Removal System



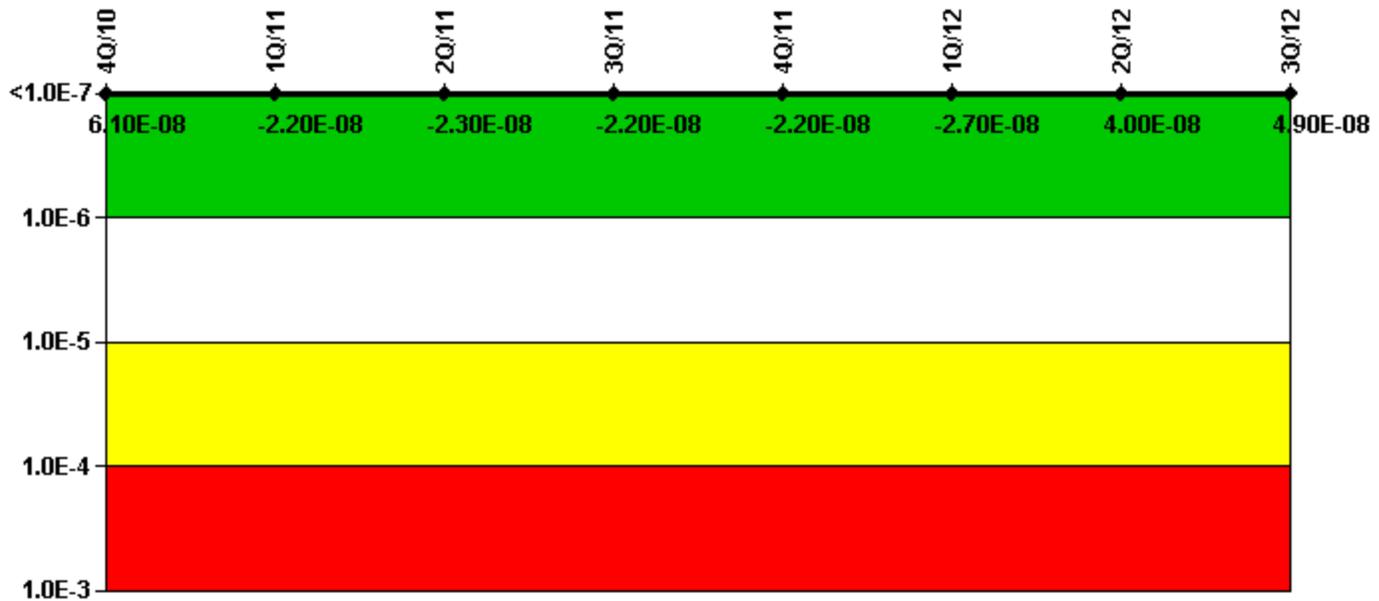
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF) | 8.69E-08 | -3.76E-08 | -3.12E-08 | -3.60E-08 | -3.82E-08 | 3.46E-08 | 2.86E-08 | 6.97E-08 |
| URI (ΔCDF) | -2.88E-07 | -2.87E-07 | -2.84E-07 | -2.75E-07 | -2.67E-07 | -2.61E-07 | -2.56E-07 | -2.62E-07 |
| PLE | NO |
| Indicator value | -2.00E-07 | -3.20E-07 | -3.20E-07 | -3.10E-07 | -3.00E-07 | -2.30E-07 | -2.30E-07 | -1.90E-07 |

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



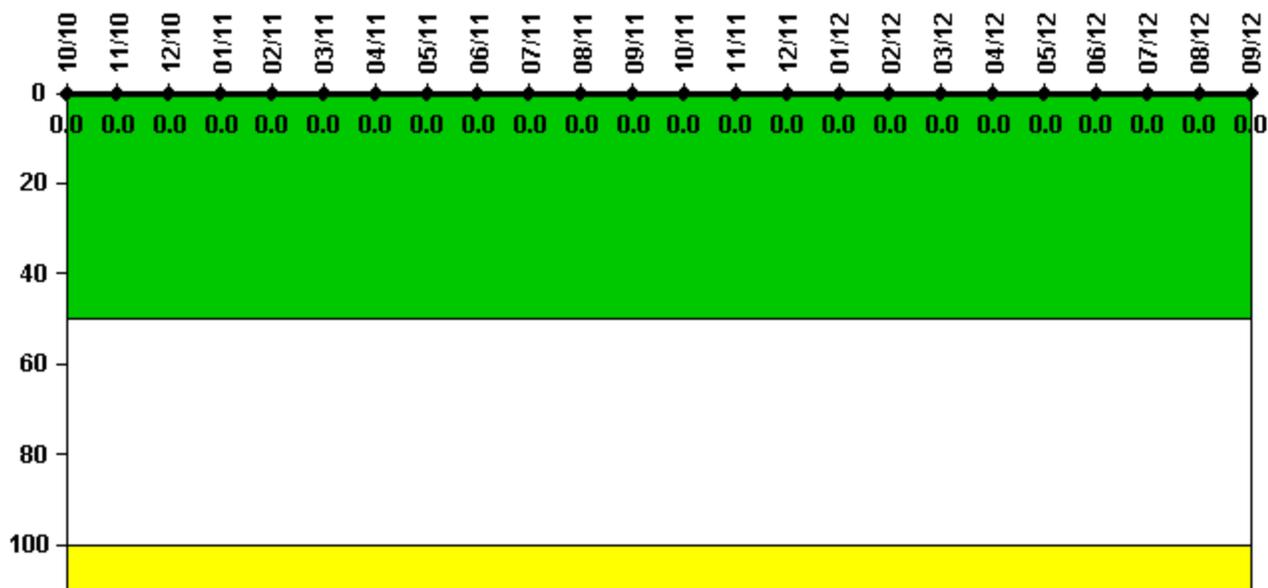
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 7.25E-08 | -1.04E-08 | -1.04E-08 | -1.04E-08 | -1.04E-08 | -1.58E-08 | 5.21E-08 | 6.07E-08 |
| URI (Δ CDF) | -1.18E-08 | -1.20E-08 | -1.23E-08 | -1.17E-08 | -1.16E-08 | -1.17E-08 | -1.16E-08 | -1.16E-08 |
| PLE | NO |
| Indicator value | 6.10E-08 | -2.20E-08 | -2.30E-08 | -2.20E-08 | -2.20E-08 | -2.70E-08 | 4.00E-08 | 4.90E-08 |

Licensee Comments: none

Reactor Coolant System Activity



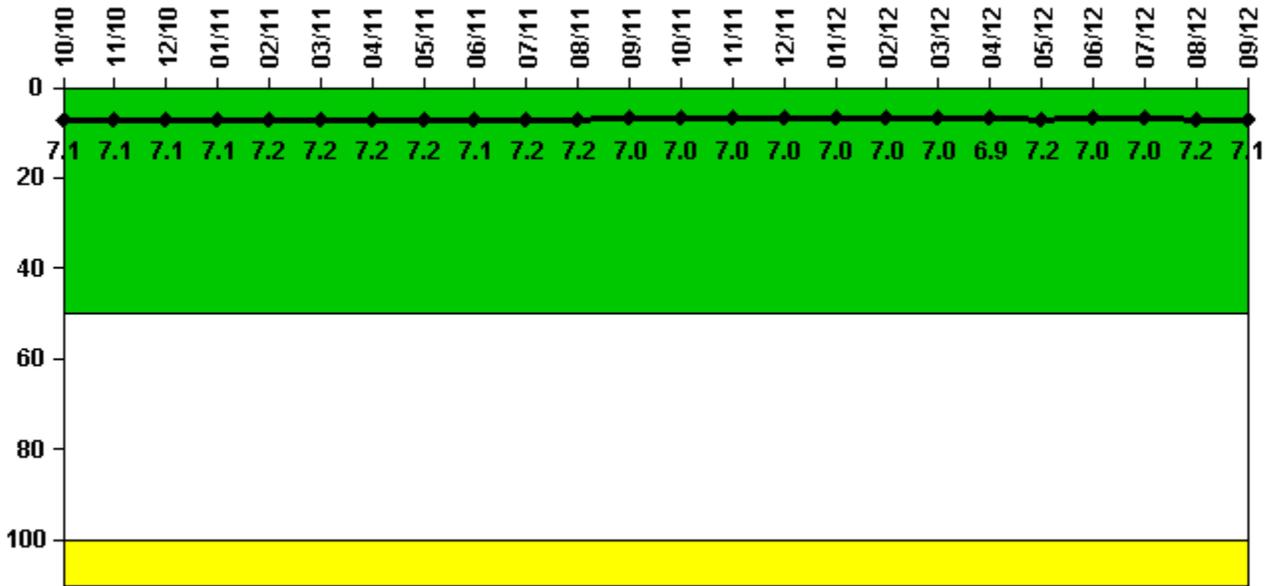
Thresholds: White > 50.0 Yellow > 100.0

Notes

| 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 | 0.000013 | 0.000017 | 0.000018 | 0.000029 | 0.000015 | 0.000015 | 0.000023 | 0.000042 | 0.000019 | 0.000015 | 0.000018 | 0.000020 |
| Technical specification limit | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reactor Coolant System Activity | 10/11 | 11/11 | 12/11 | 1/12 | 2/12 | 3/12 | 4/12 | 5/12 | 6/12 | 7/12 | 8/12 | 9/12 |
| Maximum activity | 0.000015 | 0.000012 | 0.000024 | 0.000038 | 0.000019 | 0.000020 | 0.000033 | 0.000036 | 0.000023 | 0.000068 | 0.000024 | 0.000026 |
| Technical specification limit | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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

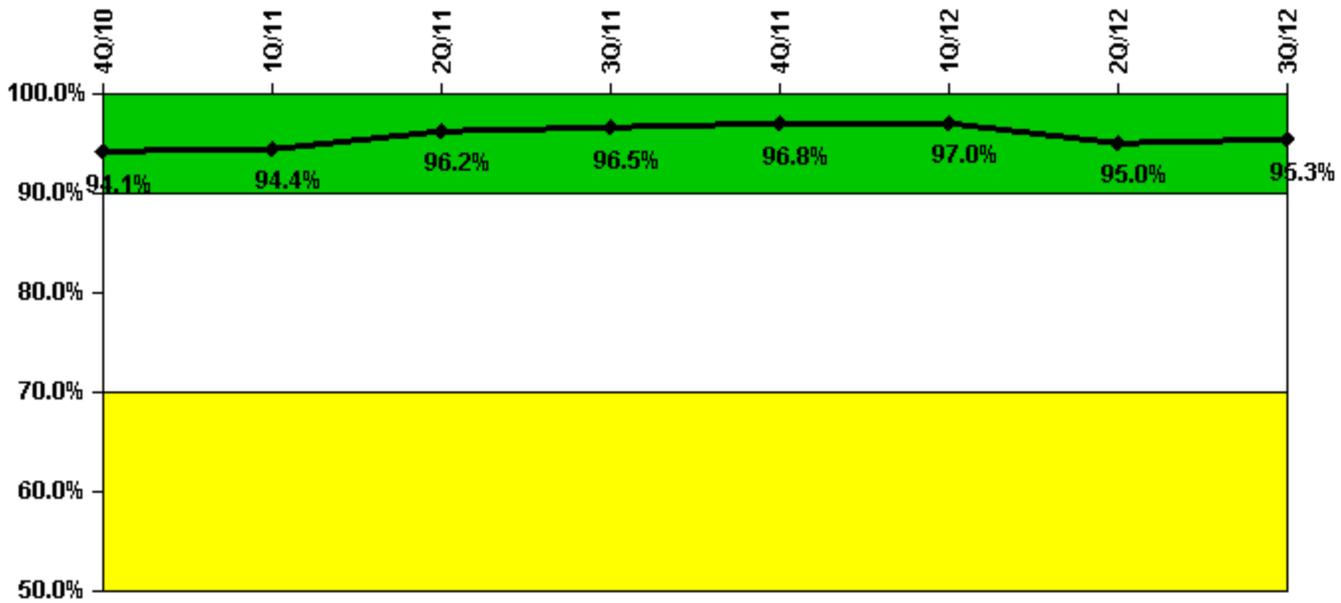
Notes

| Reactor Coolant System Leakage | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 | 4/11 | 5/11 | 6/11 | 7/11 | 8/11 | 9/11 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 1.770 | 1.770 | 1.770 | 1.780 | 1.790 | 1.790 | 1.790 | 1.790 | 1.780 | 1.800 | 1.800 | 1.750 |
| Technical specification limit | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| Indicator value | 7.1 | 7.1 | 7.1 | 7.1 | 7.2 | 7.2 | 7.2 | 7.2 | 7.1 | 7.2 | 7.2 | 7.0 |

| Reactor Coolant System Leakage | 10/11 | 11/11 | 12/11 | 1/12 | 2/12 | 3/12 | 4/12 | 5/12 | 6/12 | 7/12 | 8/12 | 9/12 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage | 1.740 | 1.740 | 1.740 | 1.740 | 1.760 | 1.740 | 1.720 | 1.810 | 1.740 | 1.760 | 1.790 | 1.780 |
| Technical specification limit | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| Indicator value | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.9 | 7.2 | 7.0 | 7.0 | 7.2 | 7.1 |

Licensee Comments: none

Drill/Exercise Performance



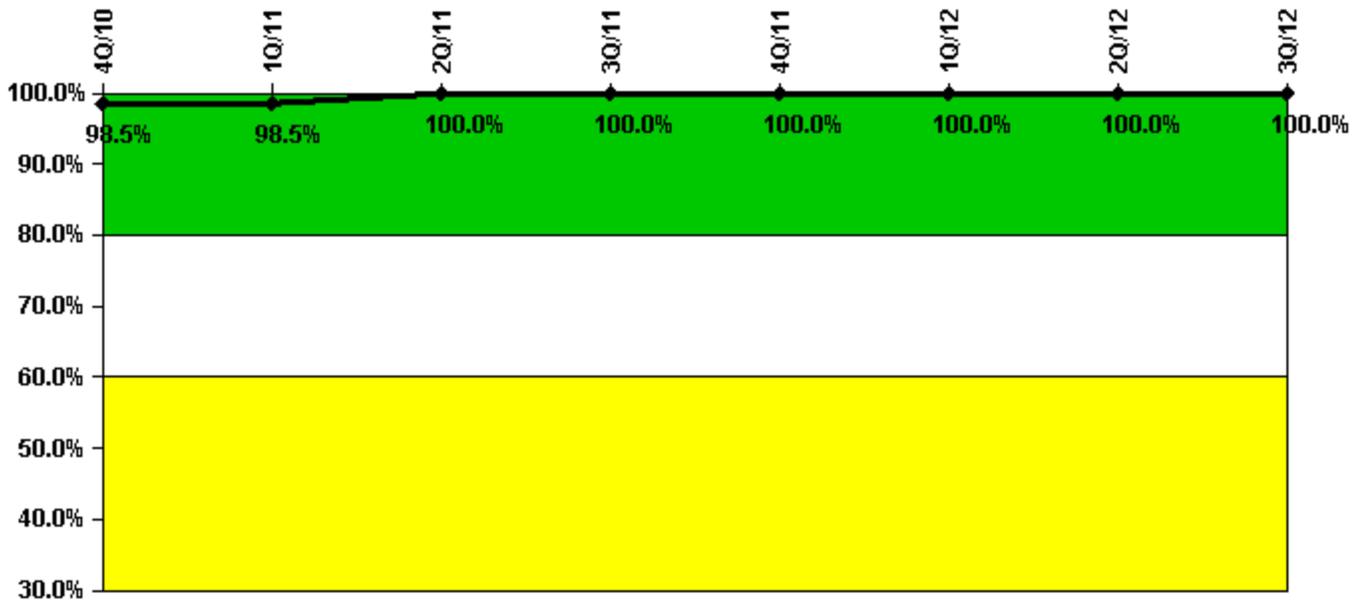
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 19.0 | 18.0 | 58.0 | 25.0 | 7.0 | 30.0 | 39.0 | 28.0 |
| Total opportunities | 20.0 | 18.0 | 58.0 | 26.0 | 8.0 | 31.0 | 46.0 | 28.0 |
| Indicator value | 94.1% | 94.4% | 96.2% | 96.5% | 96.8% | 97.0% | 95.0% | 95.3% |

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

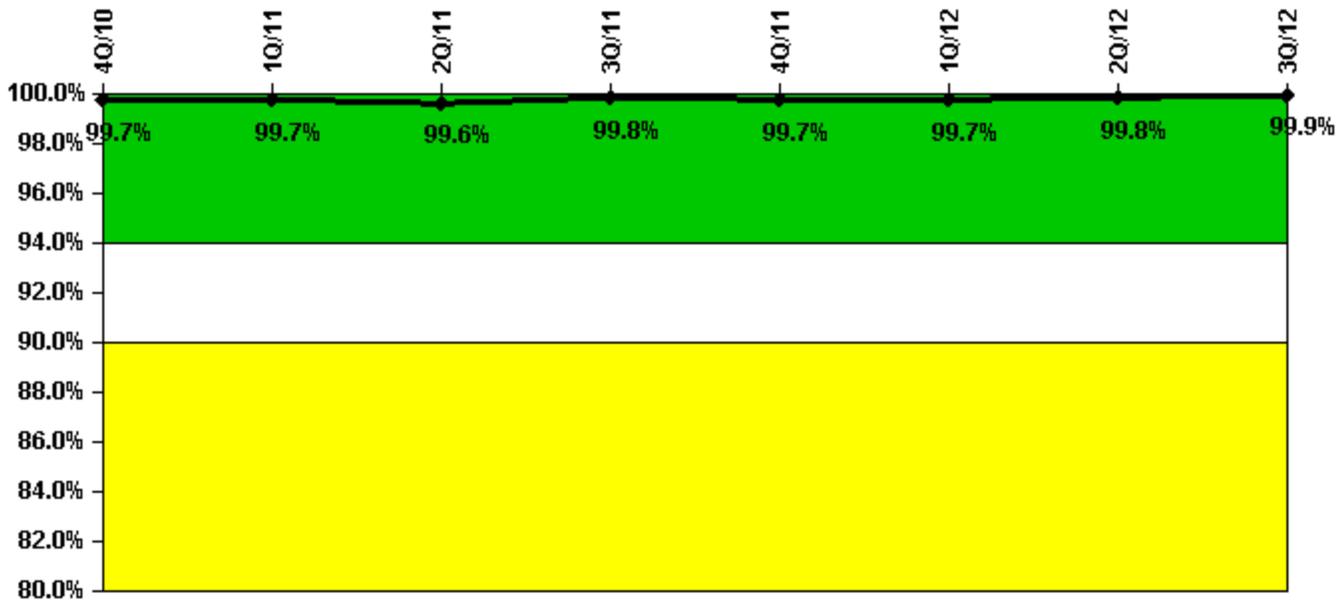
Notes

| ERO Drill Participation | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|-----------------------------|-------|-------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 65.0 | 66.0 | 67.0 | 73.0 | 74.0 | 71.0 | 72.0 | 75.0 |
| Total Key personnel | 66.0 | 67.0 | 67.0 | 73.0 | 74.0 | 71.0 | 72.0 | 75.0 |
| Indicator value | 98.5% | 98.5% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments:

4Q/10: For November, PI was changed due to add 2 newly qualified positions that were not previously accounted for. For December, PI was changed due to add 3 newly qualified positions that were not previously accounted for.

Alert & Notification System



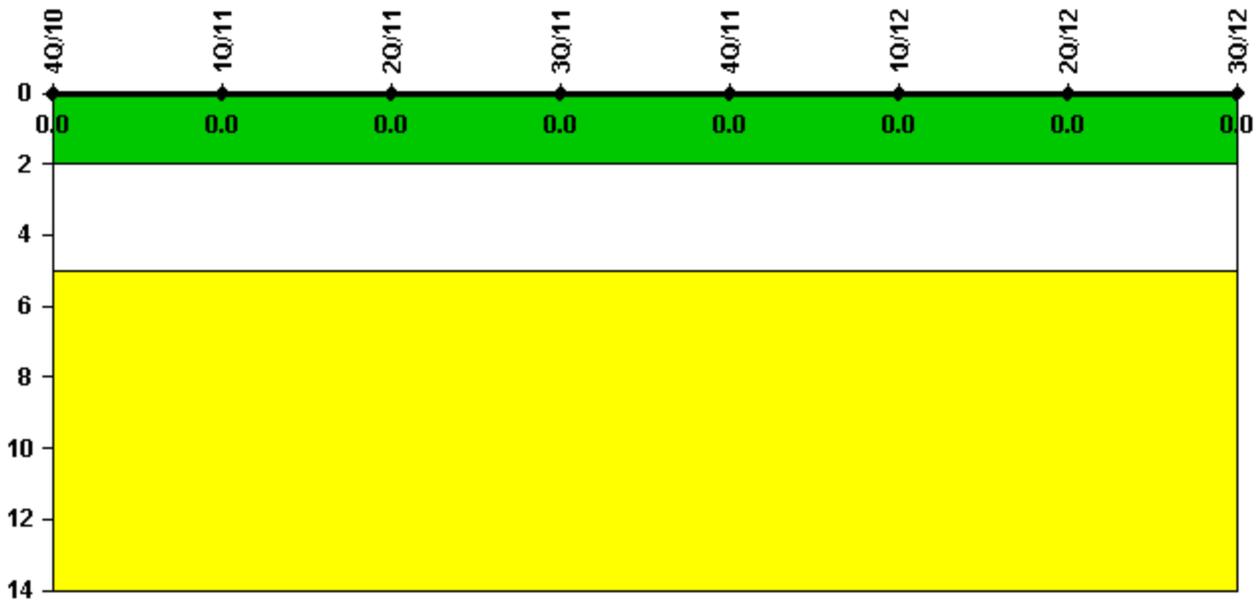
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 296 | 222 | 258 | 258 | 295 | 222 | 296 | 222 |
| Total sirens-tests | 296 | 222 | 259 | 259 | 296 | 222 | 296 | 222 |
| Indicator value | 99.7% | 99.7% | 99.6% | 99.8% | 99.7% | 99.7% | 99.8% | 99.9% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



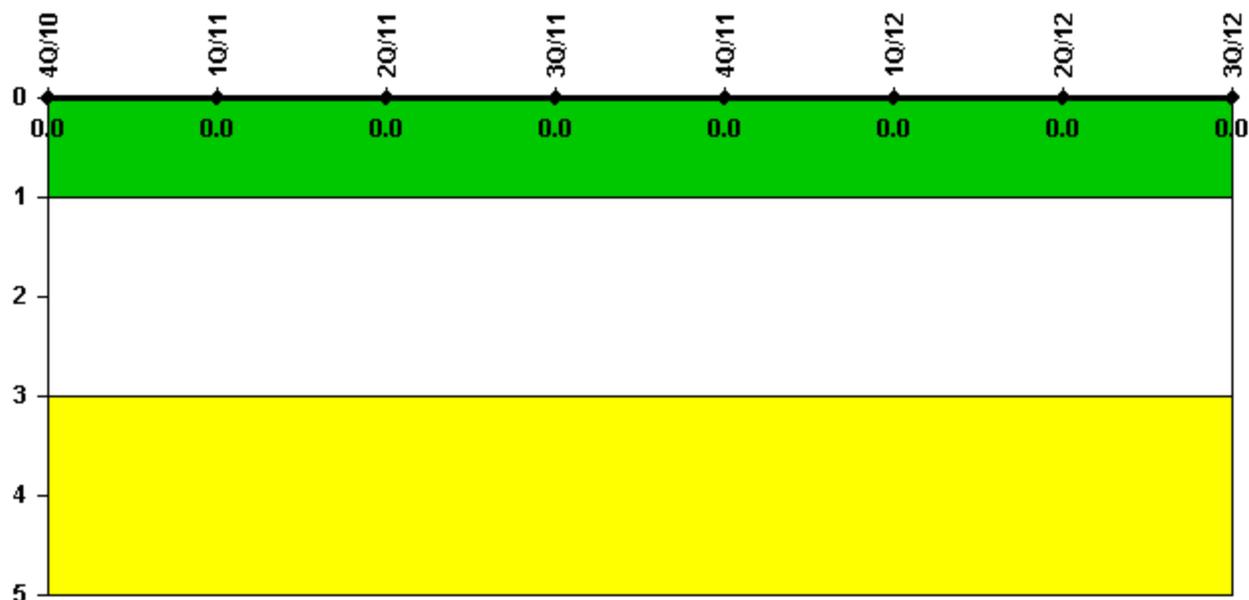
Thresholds: White > 2.0 Yellow > 5.0

Notes

| Occupational Exposure Control Effectiveness | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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 |

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

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: October 24, 2012