

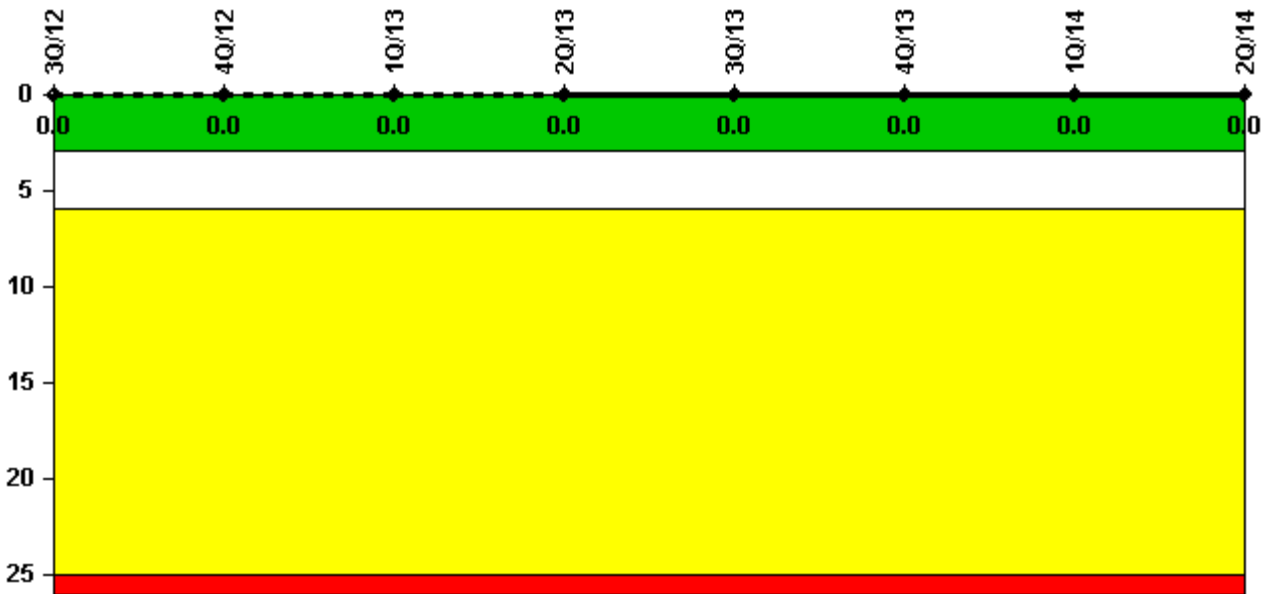
## Peach Bottom 2

### 2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



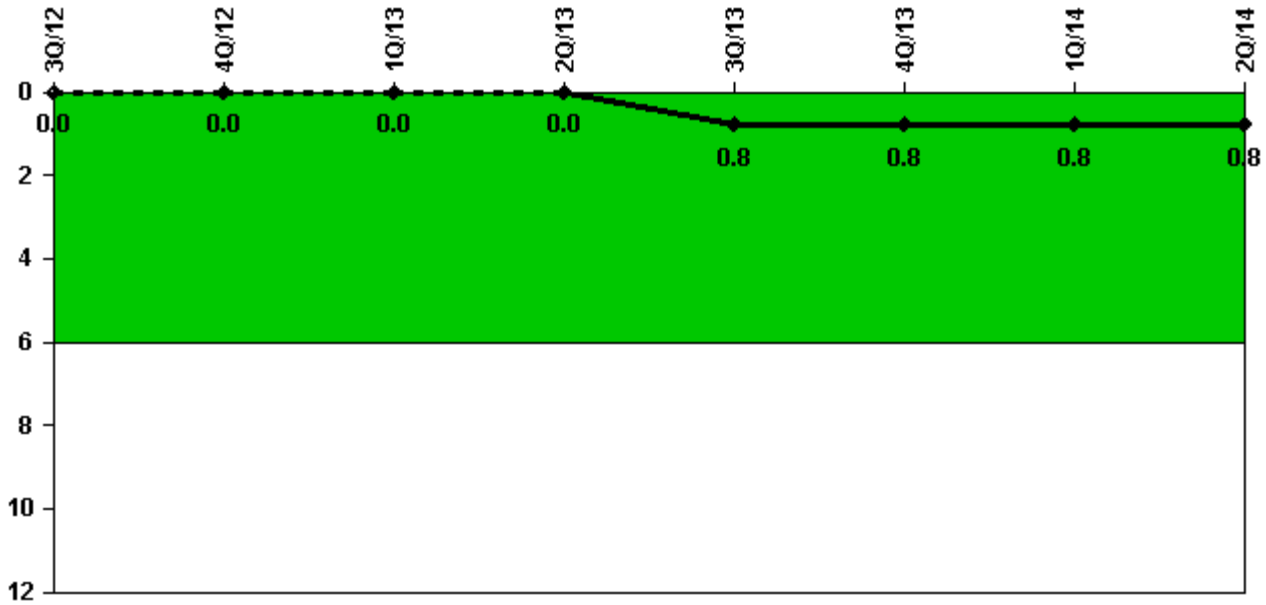
**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

#### 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                         | 1701.9   | 1797.6   | 2159.0   | 2184.0   | 2208.0   | 2209.0   | 2159.0   | 2184.0   |
| <b>Indicator value</b>                 | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



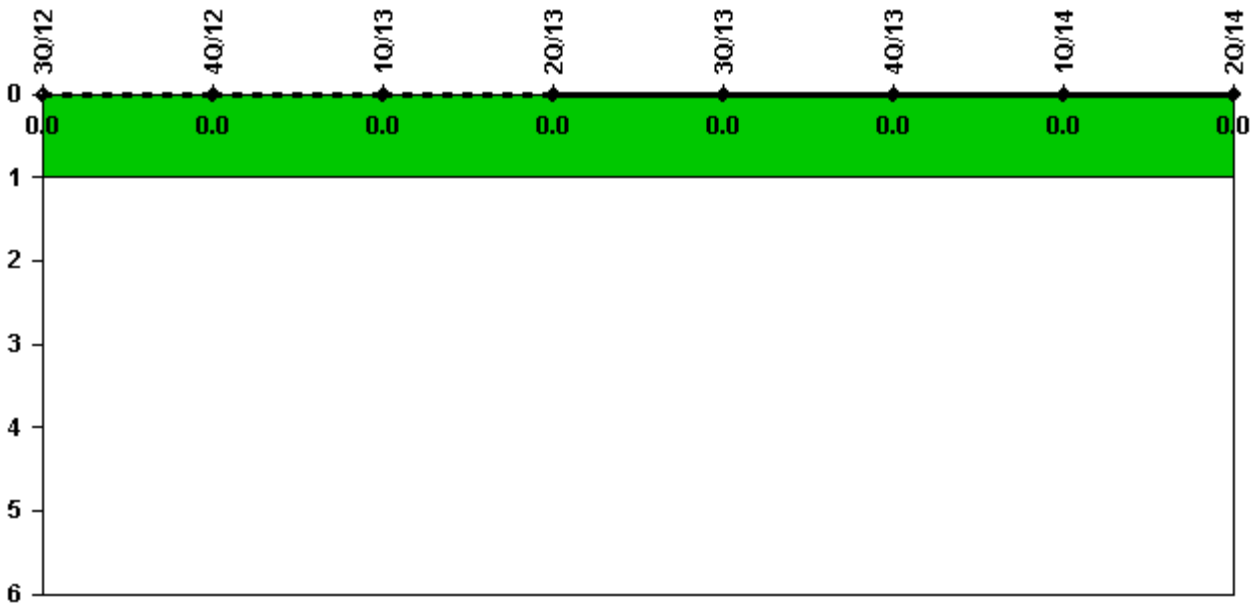
Thresholds: White > 6.0

#### 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        | 1.0        | 0          | 0          | 0          |
| Critical hours                                | 1701.9   | 1797.6   | 2159.0   | 2184.0   | 2208.0     | 2209.0     | 2159.0     | 2184.0     |
| <b>Indicator value</b>                        | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0.8</b> | <b>0.8</b> | <b>0.8</b> | <b>0.8</b> |

Licensee Comments: none

### Unplanned Scrams with Complications



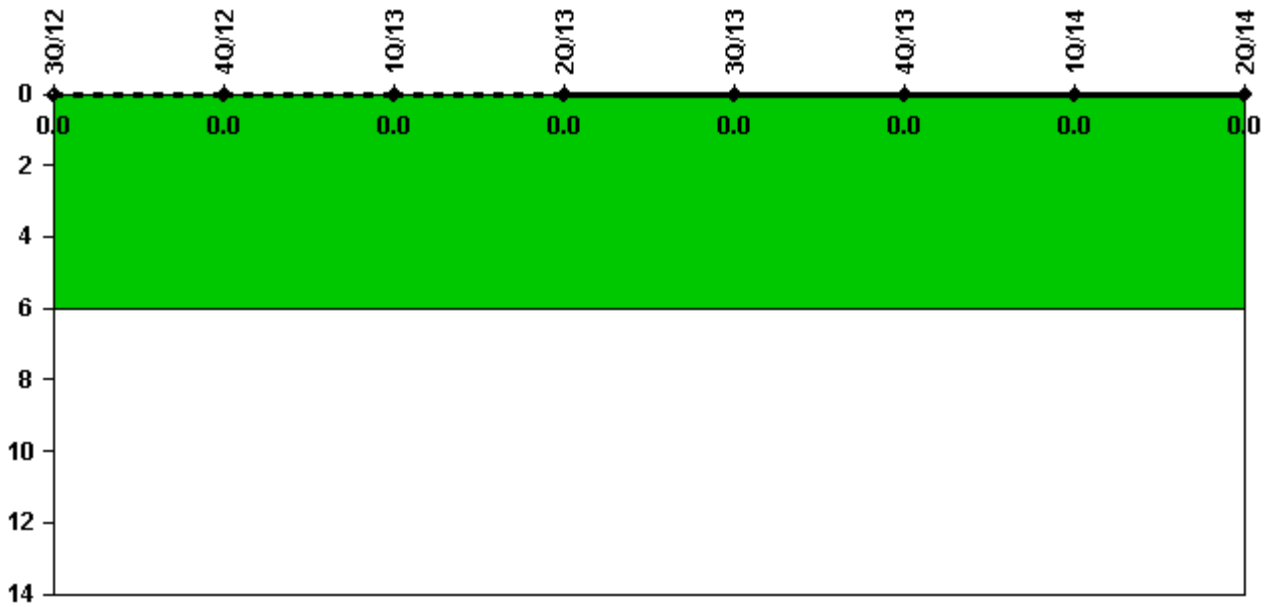
Thresholds: White > 1.0

#### 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          |
|                                     |            |            |            |            |            |            |            |            |
| <b>Indicator value</b>              | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> |

Licensee Comments: none

### Safety System Functional Failures (BWR)



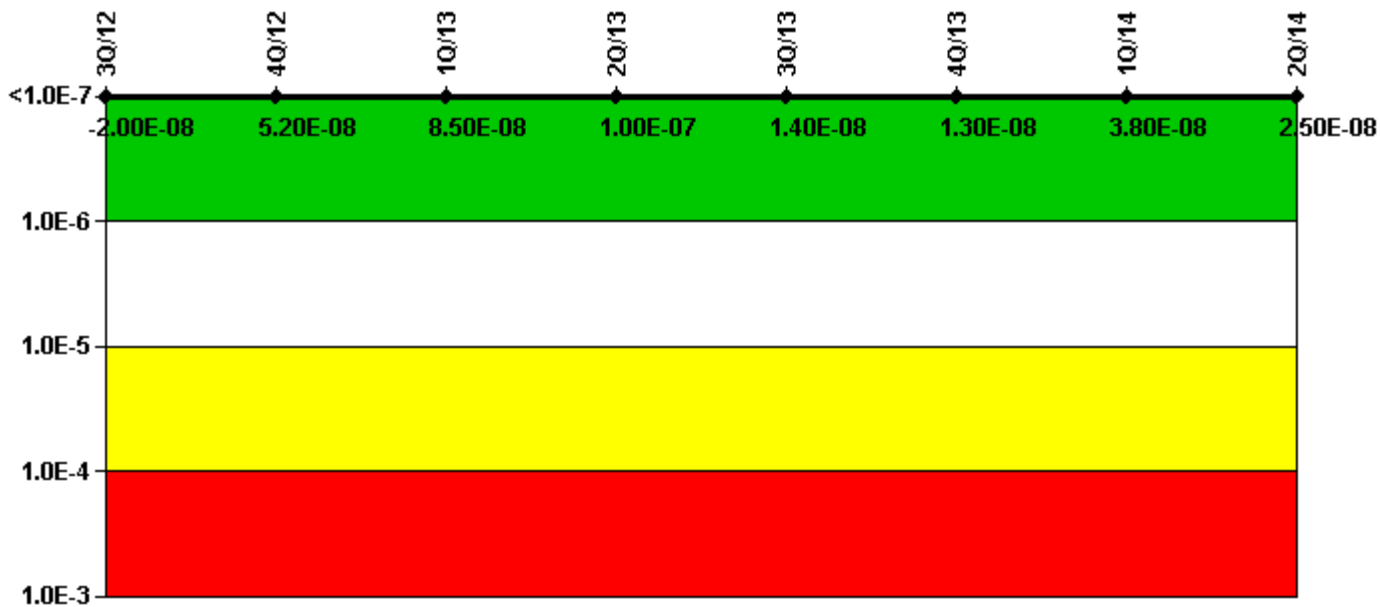
Thresholds: White > 6.0

#### Notes

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

Licensee Comments: none

### Mitigating Systems Performance Index, Emergency AC Power System



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

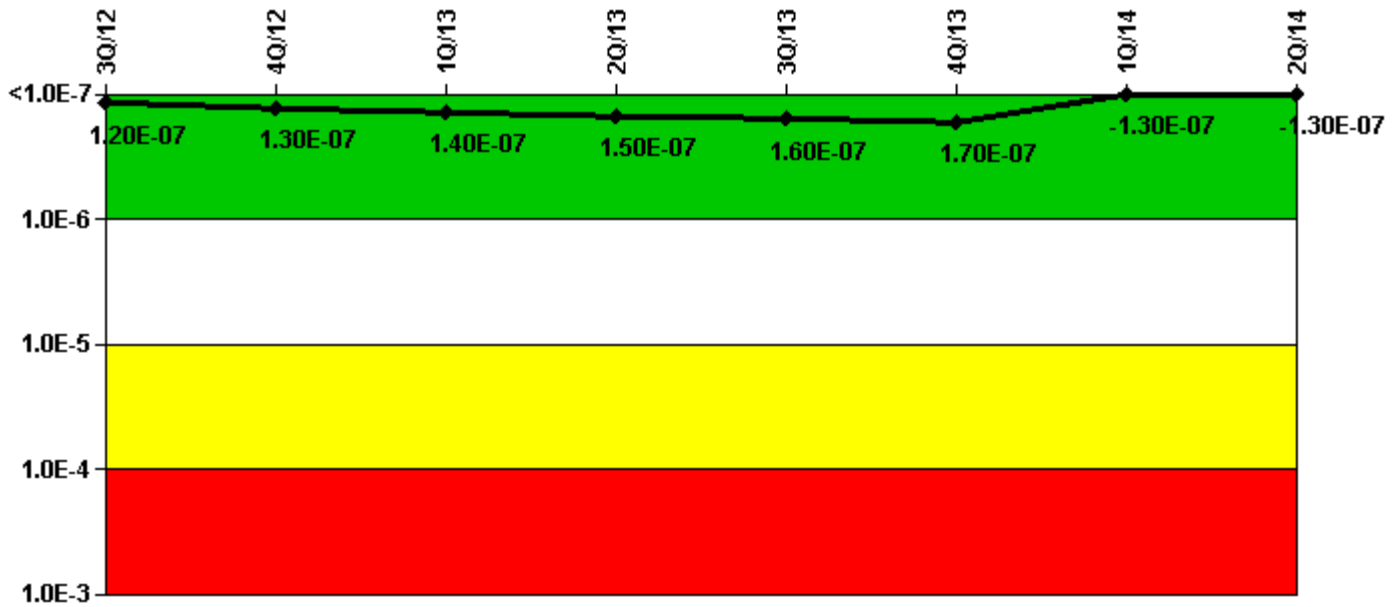
#### Notes

| 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 ( $\Delta$ CDF)   | -9.34E-11   | 7.10E-09   | 3.96E-08   | 5.19E-08   | 4.53E-08   | 4.38E-08   | 6.34E-08   | 4.45E-08   |
| URI ( $\Delta$ CDF)   | -1.96E-08   | 4.52E-08   | 4.57E-08   | 4.89E-08   | -3.11E-08  | -3.08E-08  | -2.49E-08  | -1.97E-08  |
| PLE   | NO          | NO         | NO         | NO         | NO         | NO         | NO         | NO         |
| Indicator value   | $-2.00E-08$ | $5.20E-08$ | $8.50E-08$ | $1.00E-07$ | $1.40E-08$ | $1.30E-08$ | $3.80E-08$ | $2.50E-08$ |

Licensee Comments:

3Q/13: Data correction to Unit 2 E2 EDG unavailability, 3Qtr2013. There is no change in threshold color.

### Mitigating Systems Performance Index, High Pressure Injection System



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

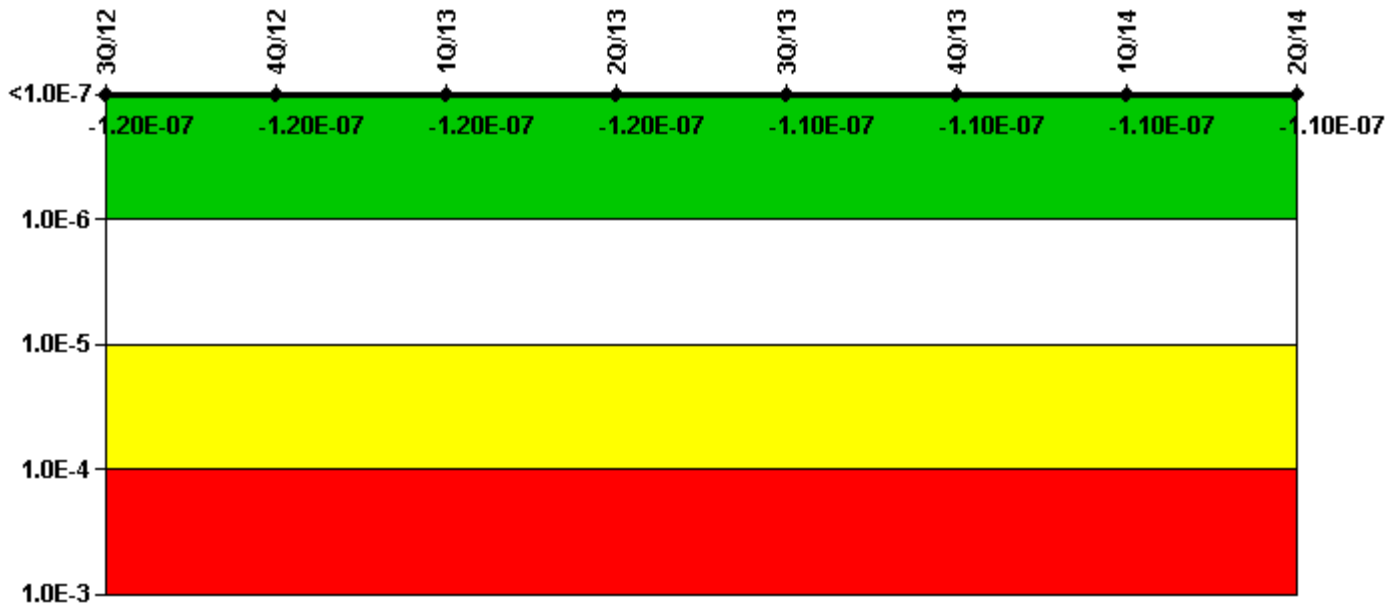
#### Notes

| 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 (ΔCDF)   | -1.63E-08 | -1.57E-08 | -1.57E-08 | -1.57E-08 | -1.63E-08 | -1.65E-08 | -2.74E-08 | -2.74E-08 |
| URI (ΔCDF)   | 1.41E-07  | 1.50E-07  | 1.60E-07  | 1.70E-07  | 1.80E-07  | 1.87E-07  | -1.01E-07 | -9.89E-08 |
| PLE  | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value  | 1.20E-07  | 1.30E-07  | 1.40E-07  | 1.50E-07  | 1.60E-07  | 1.70E-07  | -1.30E-07 | -1.30E-07 |

Licensee Comments:

4Q/12: 1/15/2013 Changes to PBAPS MSPI Basis Document Revision 7, dated 9/10/2012 for 4thQtr2012 and forward were applied to MSPI-HPI and RH, to account for a revision to the estimated demands for HPI/RH per refueling cycle.

### Mitigating Systems Performance Index, Heat Removal System



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

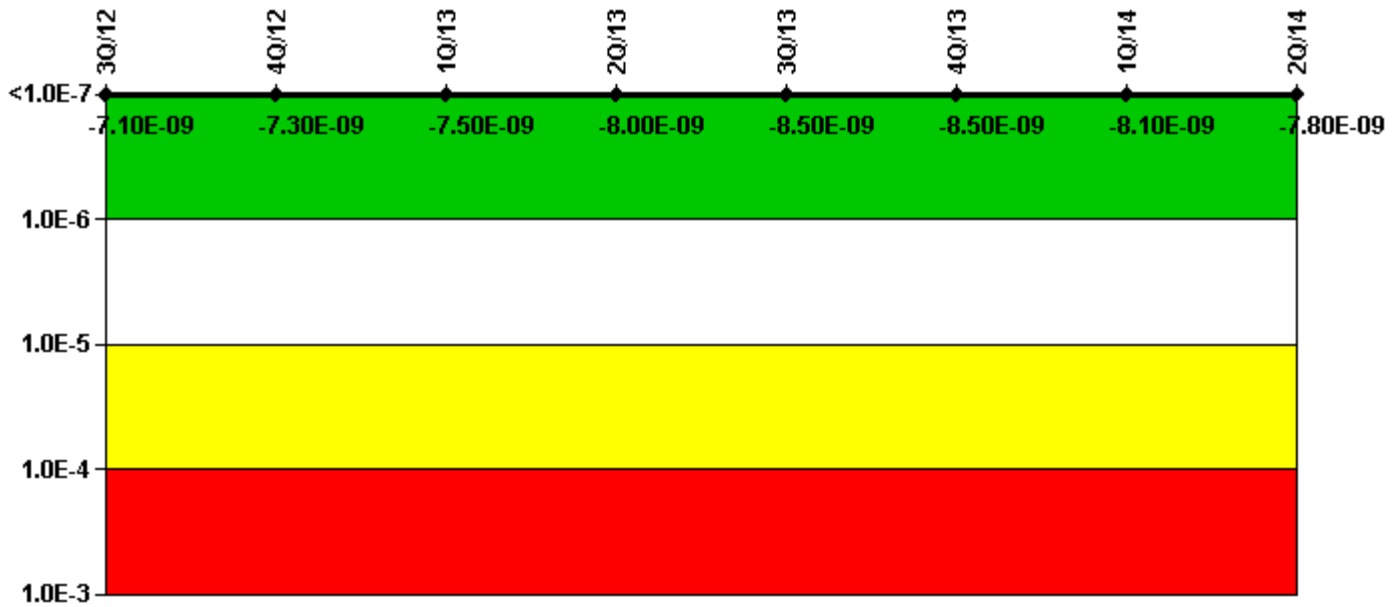
#### Notes

| Mitigating Systems Performance Index, Heat Removal System | 3Q/12     | 4Q/12     | 1Q/13     | 2Q/13     | 3Q/13     | 4Q/13     | 1Q/14     | 2Q/14     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)                                       | -3.11E-08 | -3.11E-08 | -3.11E-08 | -3.11E-08 | -3.11E-08 | -3.11E-08 | -3.11E-08 | -3.11E-08 |
| URI ( $\Delta$ CDF)                                       | -9.11E-08 | -8.89E-08 | -8.65E-08 | -8.40E-08 | -8.14E-08 | -7.95E-08 | -7.75E-08 | -7.55E-08 |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | -1.20E-07 | -1.20E-07 | -1.20E-07 | -1.20E-07 | -1.10E-07 | -1.10E-07 | -1.10E-07 | -1.10E-07 |

Licensee Comments:

4Q/12: 1/15/2013 Changes to PBAPS MSPI Basis Document Revision 7, dated 9/10/2012 for 4thQtr2012 and forward were applied to MSPI-HPI and RH, to account for a revision to the estimated demands for HPI/RH per refueling cycle.

### Mitigating Systems Performance Index, Residual Heat Removal System



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

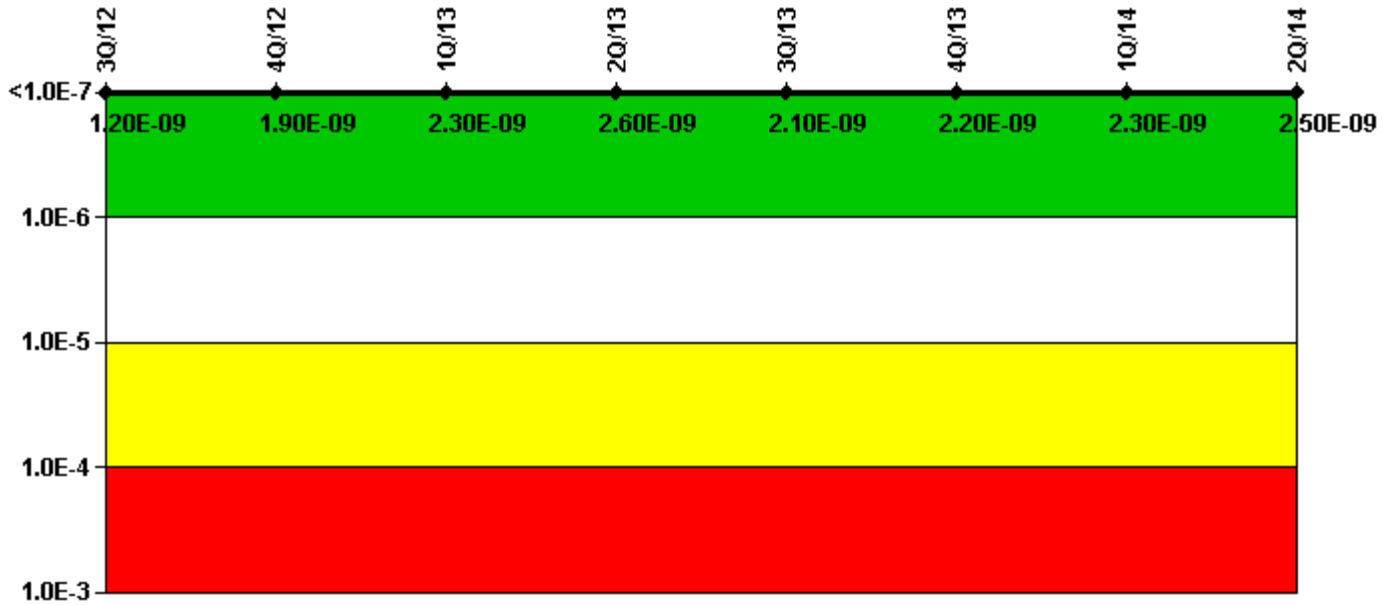
#### Notes

| 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 ( $\Delta$ CDF)  | 8.40E-11  | 3.87E-10  | 6.60E-10  | 5.64E-10  | 5.02E-10  | 5.06E-10  | 9.60E-10  | 1.24E-09  |
| URI ( $\Delta$ CDF)  | -7.17E-09 | -7.67E-09 | -8.14E-09 | -8.60E-09 | -9.03E-09 | -9.03E-09 | -9.03E-09 | -9.03E-09 |
| PLE  | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value  | -7.10E-09 | -7.30E-09 | -7.50E-09 | -8.00E-09 | -8.50E-09 | -8.50E-09 | -8.10E-09 | -7.80E-09 |

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



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

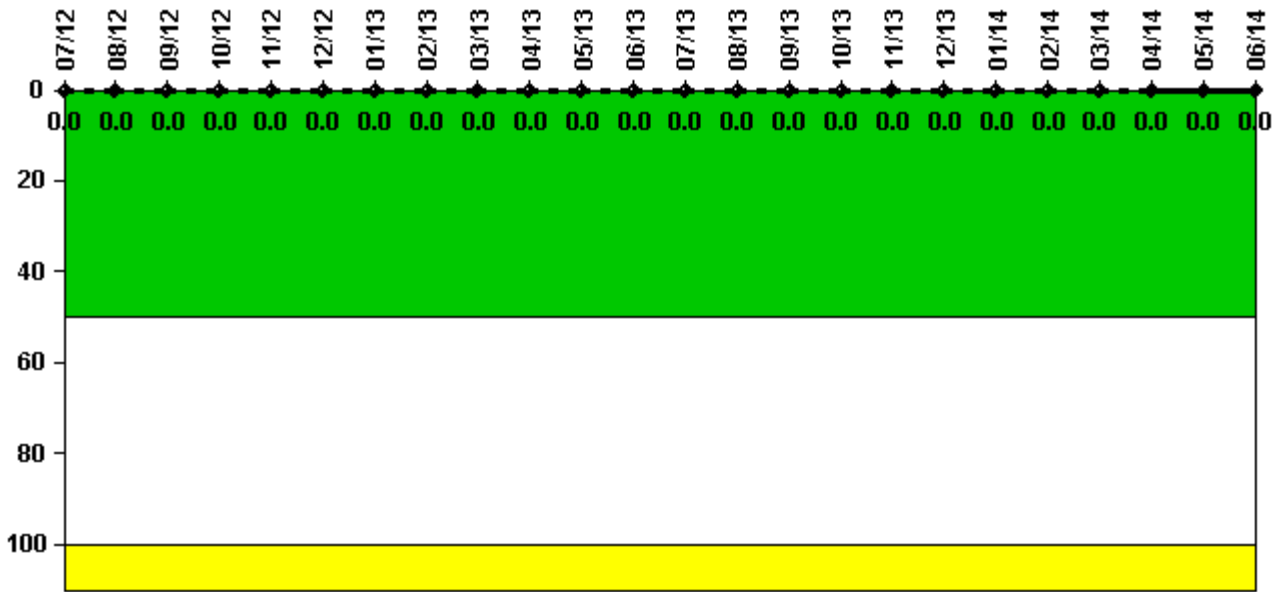
#### Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/12     | 4Q/12     | 1Q/13     | 2Q/13     | 3Q/13     | 4Q/13     | 1Q/14     | 2Q/14     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF)  | 2.93E-09  | 3.52E-09  | 3.94E-09  | 4.16E-09  | 3.68E-09  | 3.24E-09  | 3.34E-09  | 3.49E-09  |
| URI (ΔCDF)  | -1.69E-09 | -1.66E-09 | -1.63E-09 | -1.60E-09 | -1.57E-09 | -1.03E-09 | -1.03E-09 | -1.03E-09 |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | 1.20E-09  | 1.90E-09  | 2.30E-09  | 2.60E-09  | 2.10E-09  | 2.20E-09  | 2.30E-09  | 2.50E-09  |

Licensee Comments:

4Q/13: Update applies to 4Q2013 forward. There was an MSPI Failure for 2B HPSW Motor, 2BP042-DR, cooling coil due to high moisture content on 12/09/2013. This impacted 4Q2013 and 1Q2014 data. This did not result in a color change or threshold being exceeded.

### Reactor Coolant System Activity



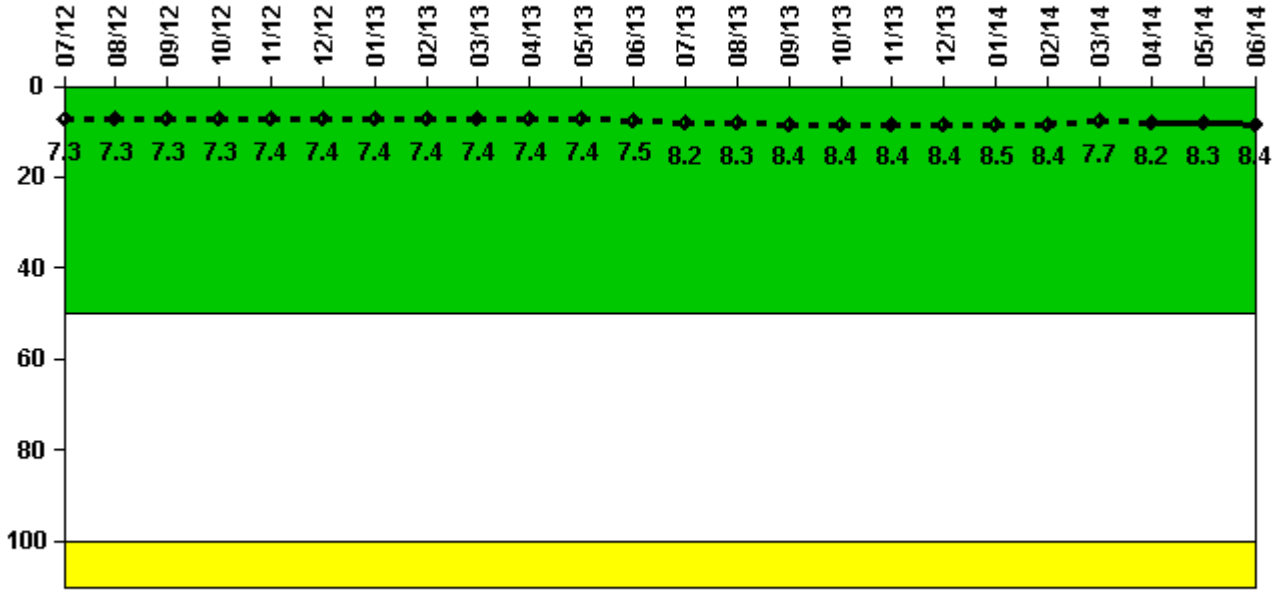
Thresholds: White > 50.0 Yellow > 100.0

#### 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                | 0.000024 | 0.000021 | 0.000020 | 0.000021 | 0.000017 | 0.000016 | 0.000018 | 0.000017 | 0.000020 | 0.000017 | 0.000018 | 0.000019 |
| 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 | 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                | 0.000019 | 0.000019 | 0.000018 | 0.000018 | 0.000018 | 0.000018 | 0.000020 | 0.000019 | 0.000021 | 0.000020 | 0.000018 | 0.000022 |
| 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

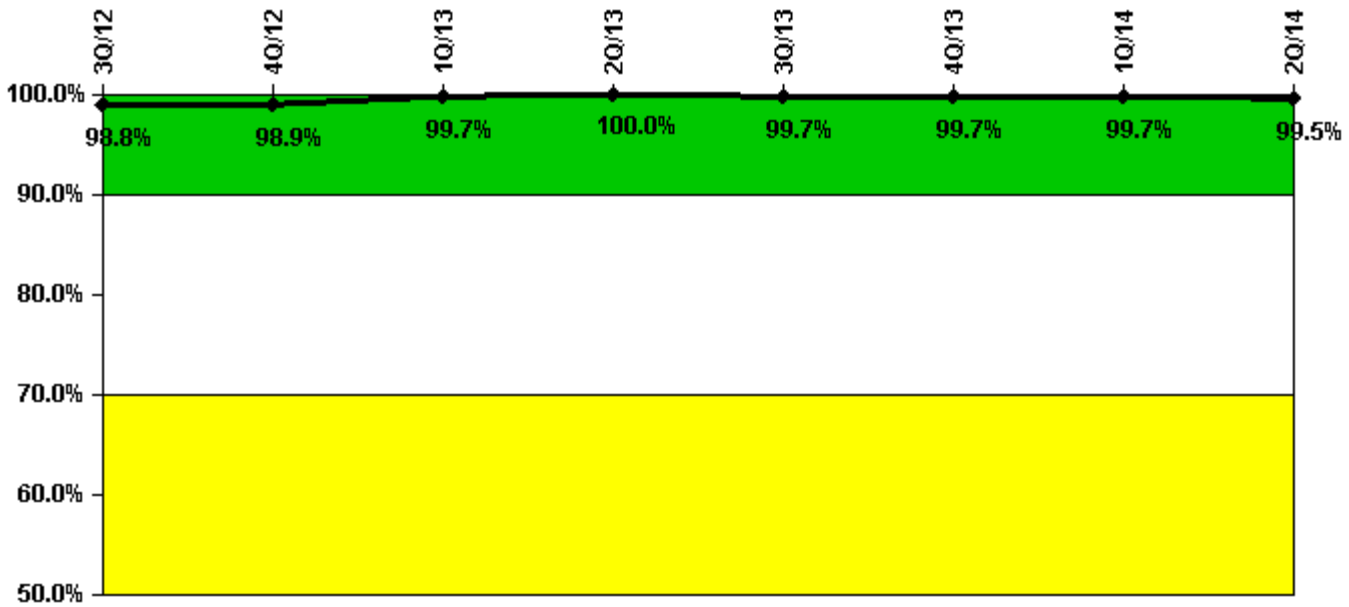
| Reactor Coolant System Leakage | 7/12  | 8/12  | 9/12  | 10/12 | 11/12 | 12/12 | 1/13  | 2/13  | 3/13  | 4/13  | 5/13  | 6/13  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 1.820 | 1.820 | 1.820 | 1.830 | 1.860 | 1.850 | 1.840 | 1.840 | 1.860 | 1.850 | 1.850 | 1.880 |
| 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                | 7.3   | 7.3   | 7.3   | 7.3   | 7.4   | 7.4   | 7.4   | 7.4   | 7.4   | 7.4   | 7.4   | 7.5   |

| 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                | 2.060 | 2.070 | 2.090 | 2.110 | 2.100 | 2.100 | 2.130 | 2.090 | 1.930 | 2.060 | 2.070 | 2.090 |
| 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                | 8.2   | 8.3   | 8.4   | 8.4   | 8.4   | 8.4   | 8.5   | 8.4   | 7.7   | 8.2   | 8.3   | 8.4   |

Licensee Comments: none

### Drill/Exercise Performance



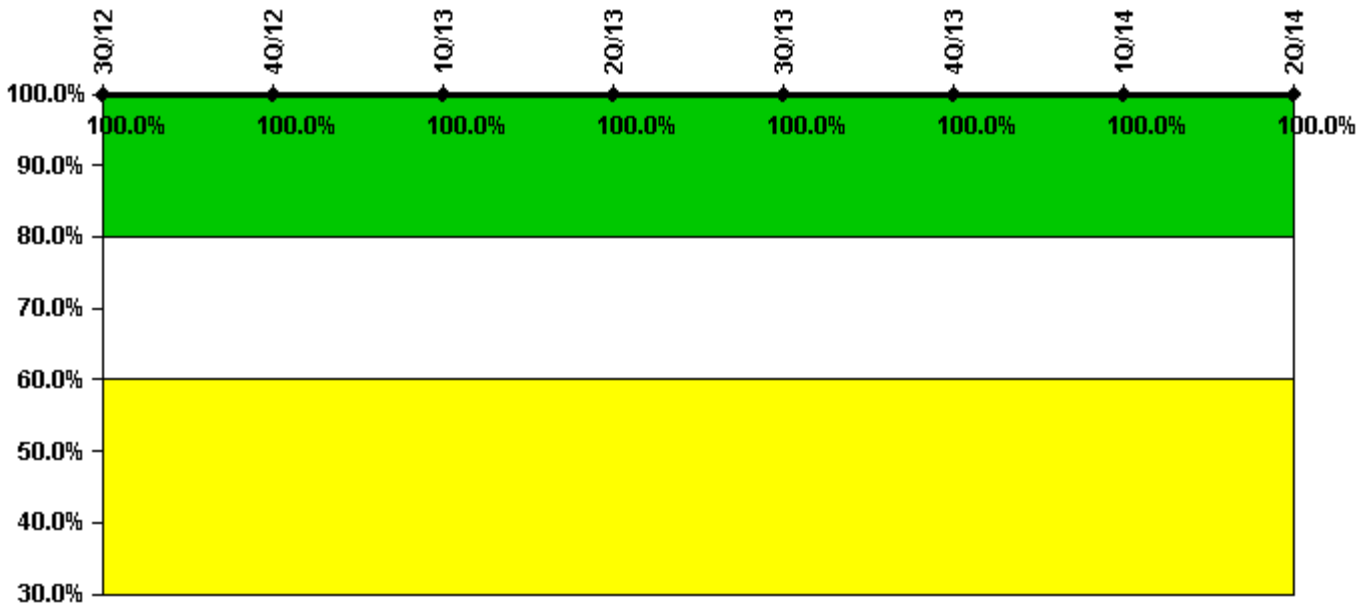
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

| Drill/Exercise Performance | 3Q/12        | 4Q/12        | 1Q/13        | 2Q/13         | 3Q/13        | 4Q/13        | 1Q/14        | 2Q/14        |
|----------------------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|
| Successful opportunities   | 15.0         | 57.0         | 81.0         | 71.0          | 9.0          | 27.0         | 106.0        | 45.0         |
| Total opportunities        | 15.0         | 57.0         | 81.0         | 71.0          | 10.0         | 27.0         | 106.0        | 46.0         |
|                            |              |              |              |               |              |              |              |              |
| <b>Indicator value</b>     | <b>98.8%</b> | <b>98.9%</b> | <b>99.7%</b> | <b>100.0%</b> | <b>99.7%</b> | <b>99.7%</b> | <b>99.7%</b> | <b>99.5%</b> |

Licensee Comments: none

### ERO Drill Participation



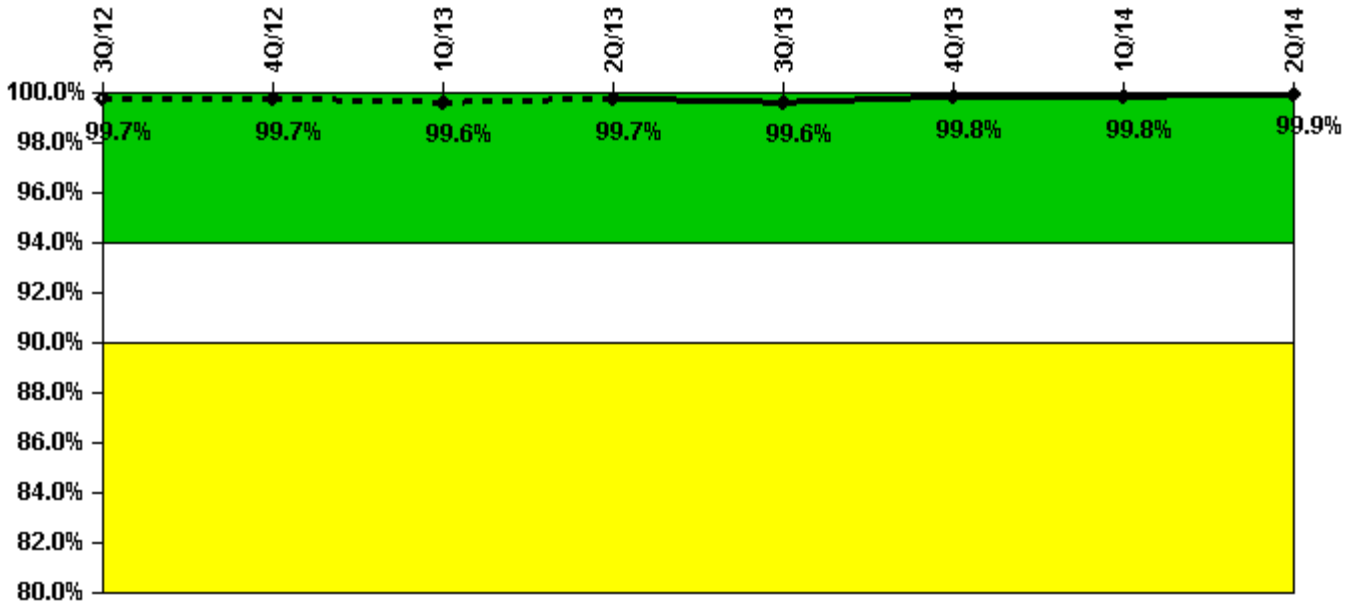
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 3Q/12  | 4Q/12  | 1Q/13  | 2Q/13  | 3Q/13  | 4Q/13  | 1Q/14  | 2Q/14  |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 74.0   | 77.0   | 75.0   | 77.0   | 76.0   | 75.0   | 77.0   | 80.0   |
| Total Key personnel         | 74.0   | 77.0   | 75.0   | 77.0   | 76.0   | 75.0   | 77.0   | 80.0   |
| Indicator value             | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

### Alert & Notification System



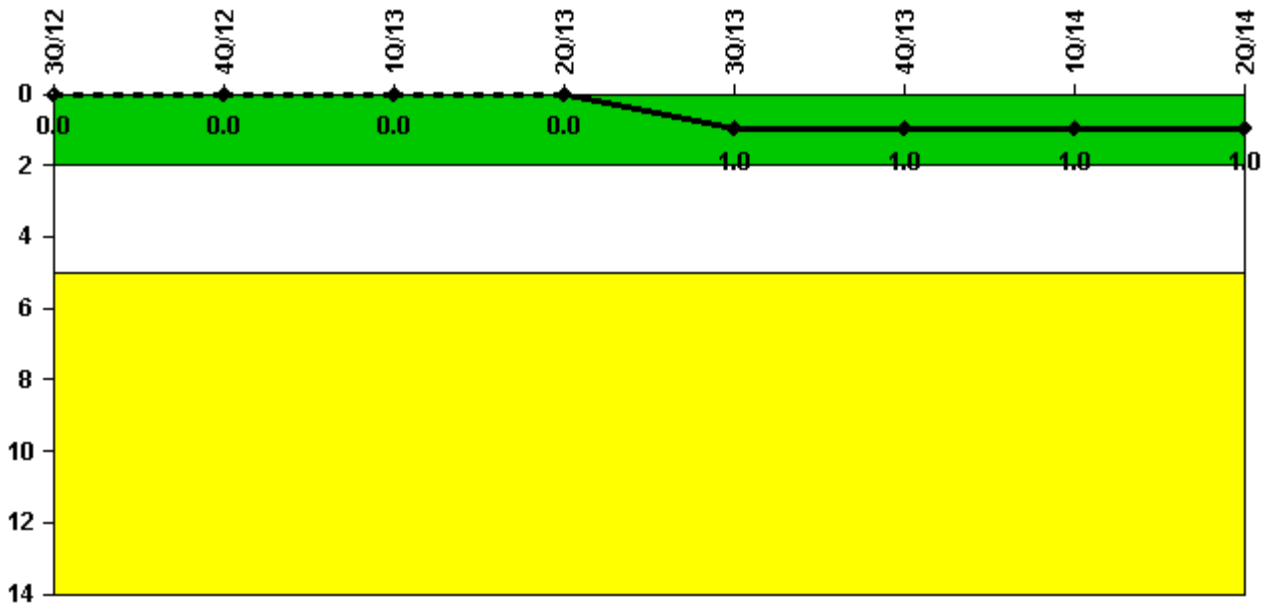
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 1257  | 1249  | 1256  | 1259  | 1256  | 1261  | 1260  | 1261  |
| Total sirens-tests          | 1261  | 1255  | 1261  | 1261  | 1261  | 1261  | 1261  | 1261  |
| Indicator value             | 99.7% | 99.7% | 99.6% | 99.7% | 99.6% | 99.8% | 99.8% | 99.9% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



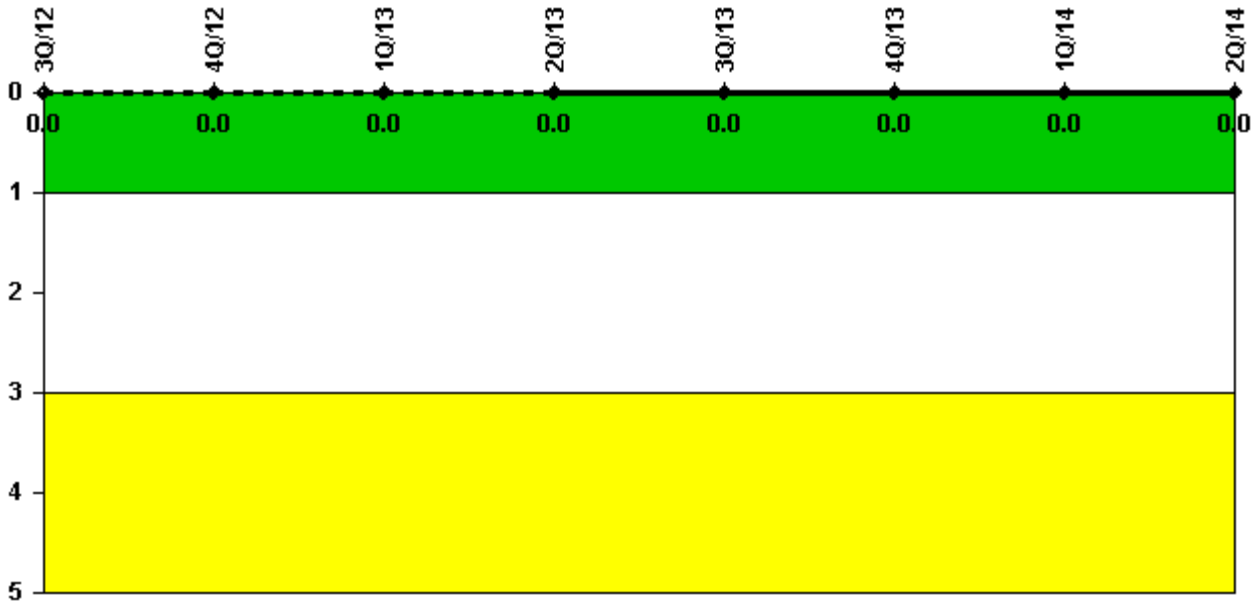
Thresholds: White > 2.0 Yellow > 5.0

#### 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        | 1        | 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        |
| <b>Indicator value</b>                      | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>1</b> | <b>1</b> | <b>1</b> |

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        |
| <b>Indicator value</b>          | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

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*