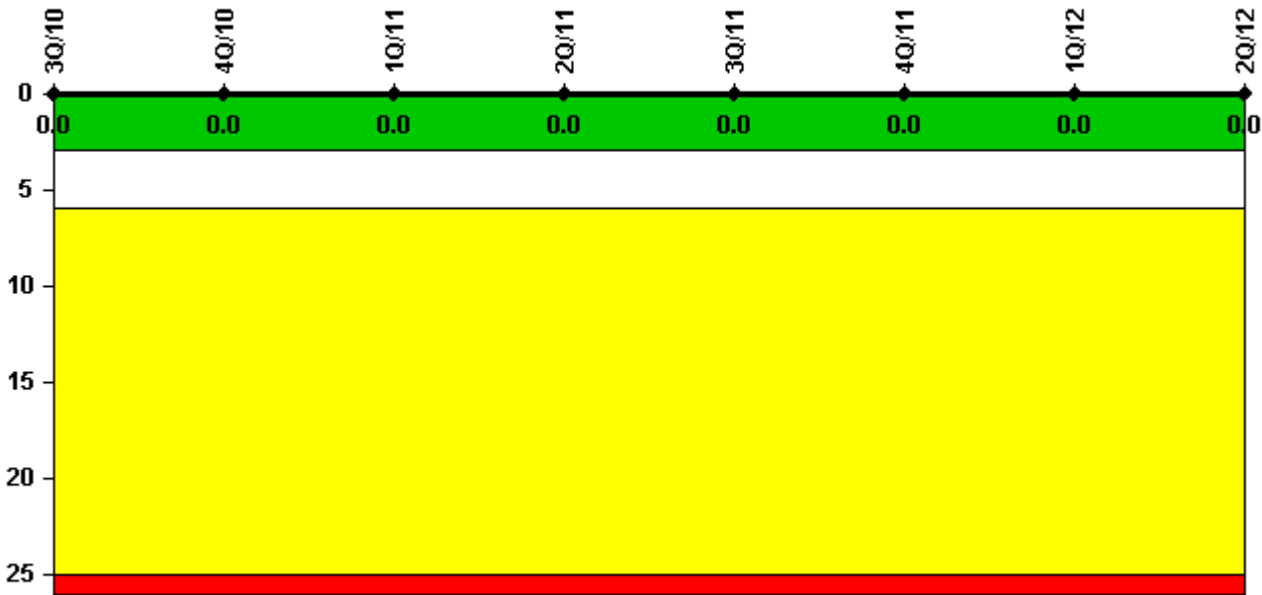


Peach Bottom 2

2Q/2012 Performance Indicators

Licensee's General Comments: Data correction for IDS Compensatory hours in PP01 2Qtr 2011 through 1Qtr2012. There is no change in threshold color.

Unplanned Scrams per 7000 Critical Hrs



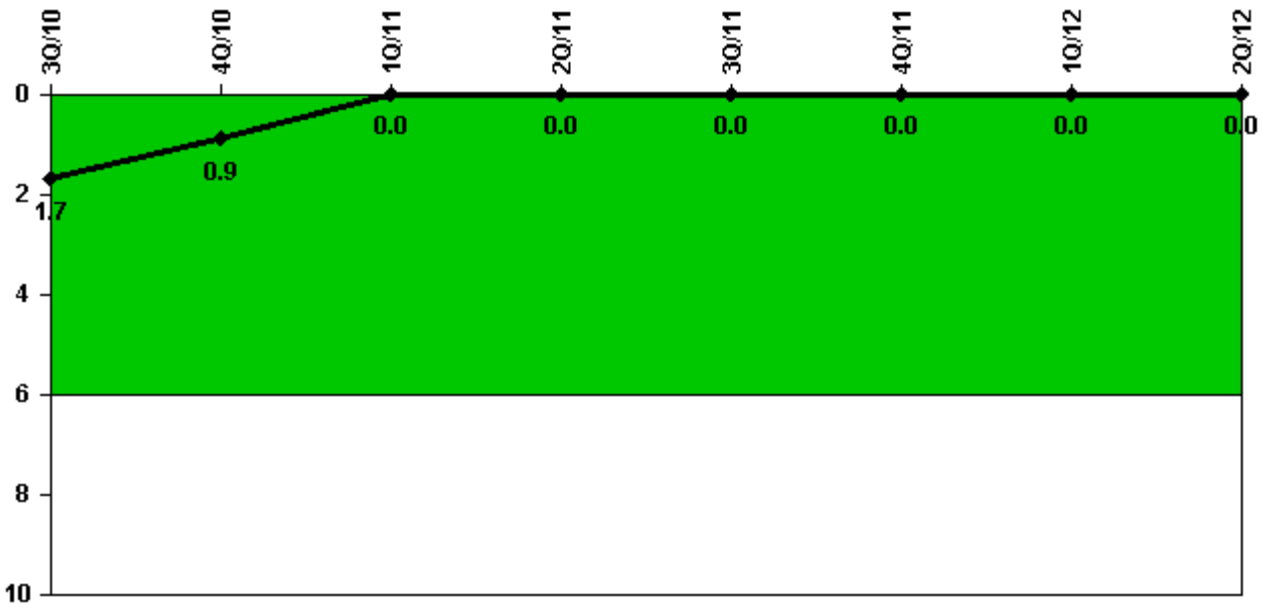
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1774.2 | 2064.2 | 2159.0 | 2184.0 | 2208.0 | 2209.0 | 2183.0 | 2184.0 |
| Indicator value | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



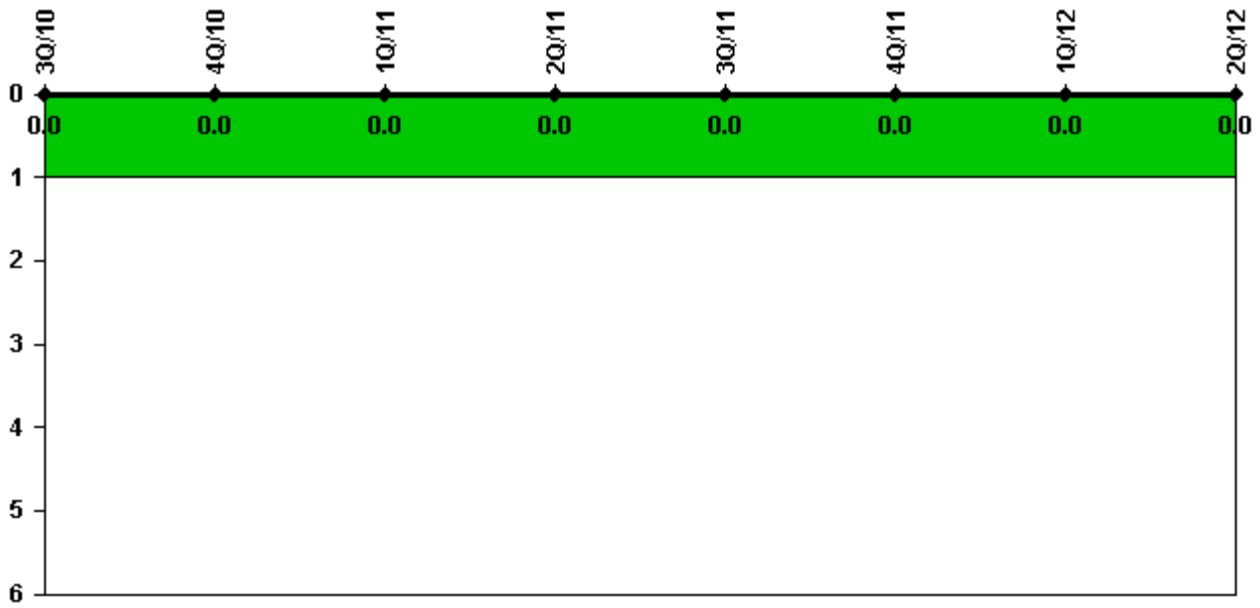
Thresholds: White > 6.0

Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1774.2 | 2064.2 | 2159.0 | 2184.0 | 2208.0 | 2209.0 | 2183.0 | 2184.0 |
| Indicator value | 1.7 | 0.9 | 0 | 0 | 0 | 0 | 0 | 0 |

Licensee Comments: none

Unplanned Scrams with Complications



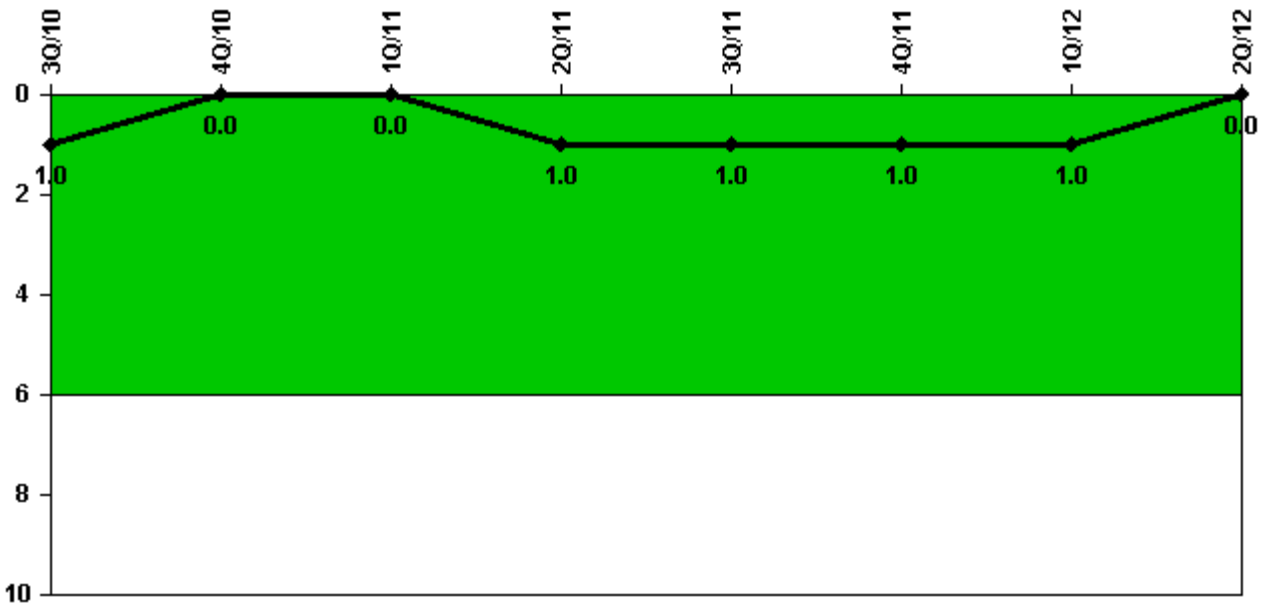
Thresholds: White > 1.0

Notes

| Unplanned Scrams with Complications | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 (BWR)



Thresholds: White > 6.0

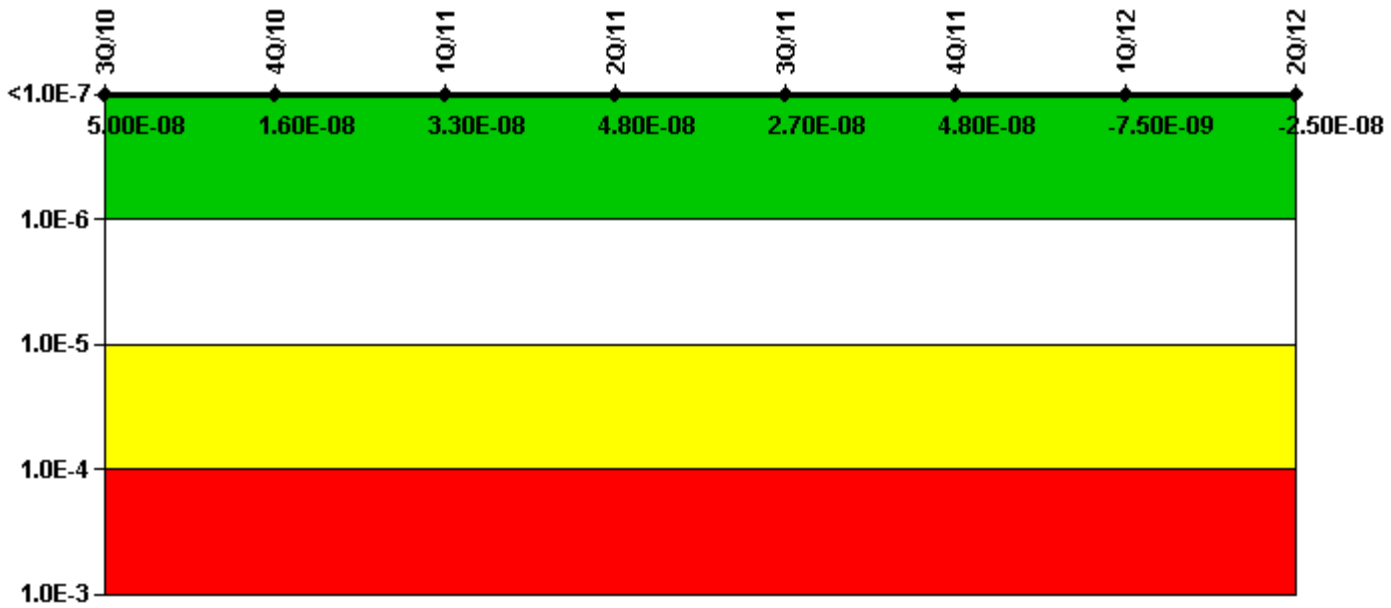
Notes

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

Licensee Comments:

2Q/11: LER 2-11-01

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/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|-----------|-----------|----------|----------|-----------|----------|-----------|-----------|
| UAI (Δ CDF) | -6.45E-09 | -1.72E-08 | 3.57E-09 | 1.87E-08 | -1.01E-08 | 1.18E-08 | 1.08E-08 | -1.31E-09 |
| URI (Δ CDF) | 5.60E-08 | 3.36E-08 | 2.92E-08 | 2.96E-08 | 3.76E-08 | 3.59E-08 | -1.83E-08 | -2.36E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 5.00E-08 | 1.60E-08 | 3.30E-08 | 4.80E-08 | 2.70E-08 | 4.80E-08 | -7.50E-09 | -2.50E-08 |

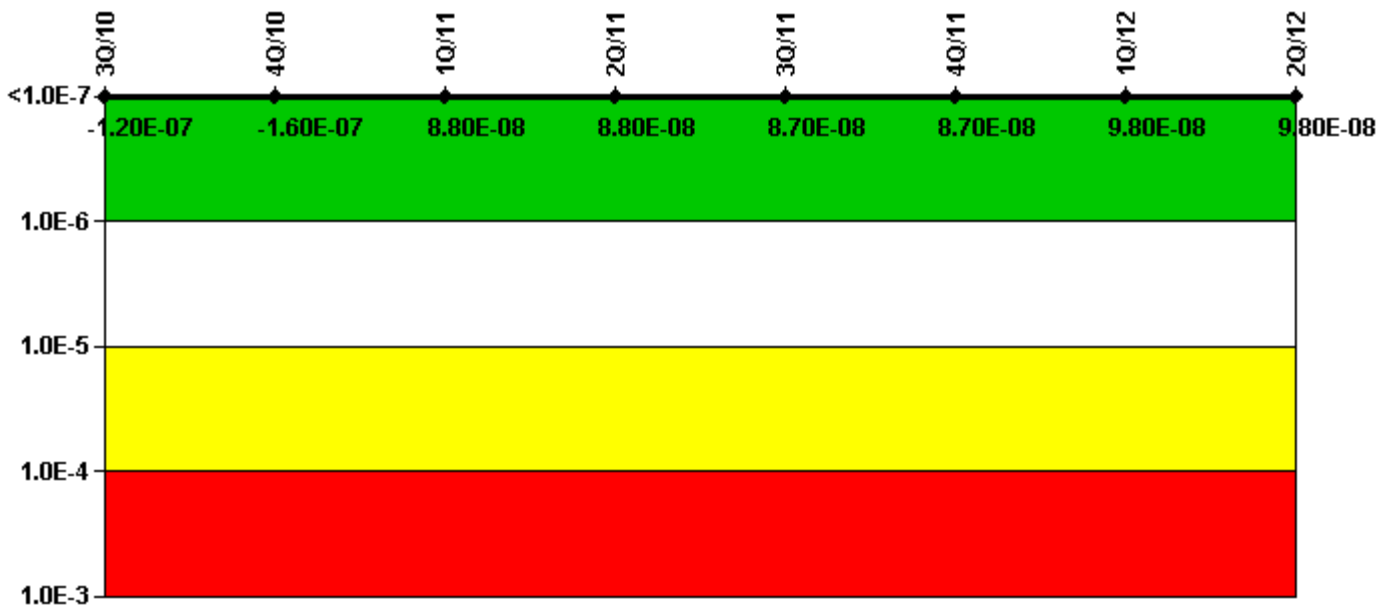
Licensee Comments:

1Q/11: Changed PRA Parameter(s). MSPI basis document revision 5 incorporates PRA updates for PBAPS U2 and U3 completed in the 3rd qtr 2010. MSPI PRA values for all impacted functions, device records and unit CDF have been revised IAW the values calculated in PB209A for U2 and PB309A for U3, respectively.

4Q/10: Changed PRA Parameter(s). PBAPS PRA MODEL UPDATE for 2010 was effective Q4 2010. Update PB209A/P309A has been incorporated into Revision 5 of the station MSPI Bases Document. All impacted Unit performance values have been updated as applicable effective 10/1/2010.

4Q/10: Changed PRA Parameter(s). PBAPS PRA MODEL UPDATE for 2010 was effective Q4 2010. Update PB209A/P309A has been incorporated into Revision 5 of the station MSPI Bases Document. All impacted Unit performance values have been updated as applicable effective 10/1/2010.

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/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -3.00E-08 | -3.91E-08 | -2.80E-08 | -2.80E-08 | -2.84E-08 | -2.88E-08 | -1.70E-08 | -1.70E-08 |
| URI (Δ CDF) | -8.54E-08 | -1.25E-07 | 1.16E-07 | 1.16E-07 | 1.16E-07 | 1.16E-07 | 1.15E-07 | 1.15E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.20E-07 | -1.60E-07 | 8.80E-08 | 8.80E-08 | 8.70E-08 | 8.70E-08 | 9.80E-08 | 9.80E-08 |

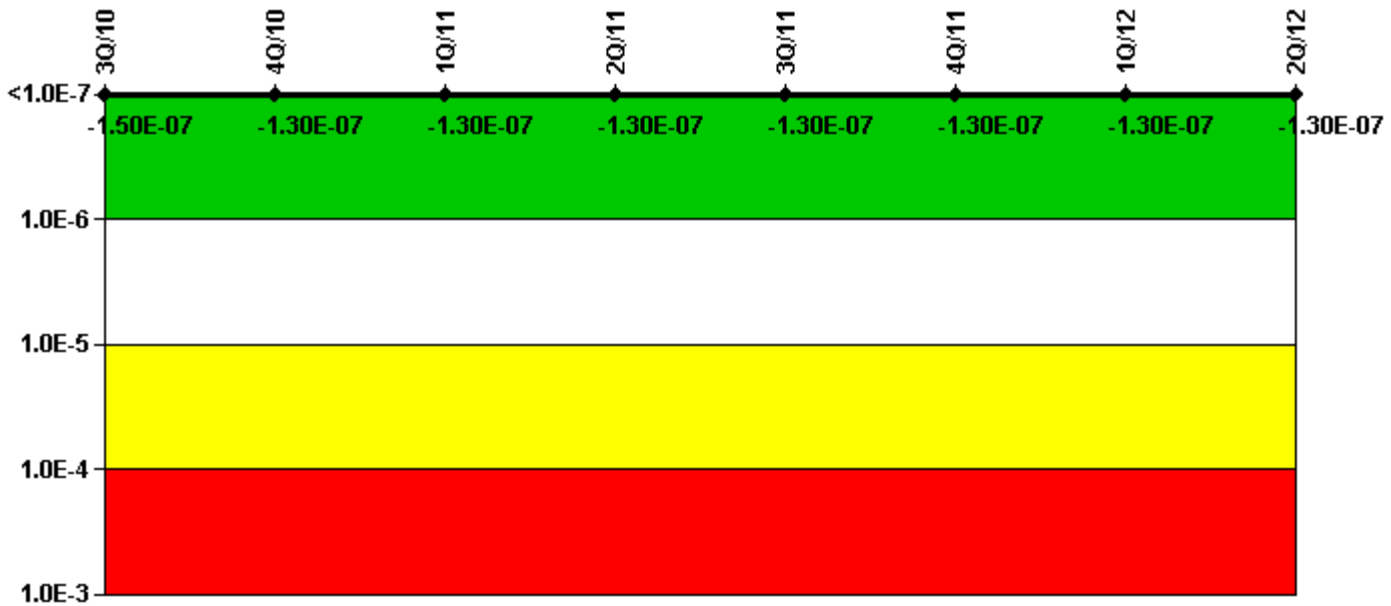
Licensee Comments:

1Q/11: Changed PRA Parameter(s). MSPI basis document revision 5 incorporates PRA updates for PBAPS U2 and U3 completed in the 3rd qtr 2010. MSPI PRA values for all impacted functions, device records and unit CDF have been revised IAW the values calculated in PB209A for U2 and PB309A for U3, respectively.

4Q/10: Changed PRA Parameter(s). PBAPS PRA MODEL UPDATE for 2010 was effective Q4 2010. Update PB209A/P309A has been incorporated into Revision 5 of the station MSPI Bases Document. All impacted Unit performance values have been updated as applicable effective 10/1/2010.

4Q/10: Changed PRA Parameter(s). PBAPS PRA MODEL UPDATE for 2010 was effective Q4 2010. Update PB209A/P309A has been incorporated into Revision 5 of the station MSPI Bases Document. All impacted Unit performance values have been updated as applicable effective 10/1/2010.

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 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | -4.30E-08 | -3.11E-08 | -3.11E-08 | -3.11E-08 | -3.11E-08 | -3.11E-08 | -3.11E-08 | -3.11E-08 |
| URI (Δ CDF) | -1.04E-07 | -9.60E-08 | -9.63E-08 | -9.65E-08 | -9.68E-08 | -9.70E-08 | -9.73E-08 | -9.75E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -1.50E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 | -1.30E-07 |

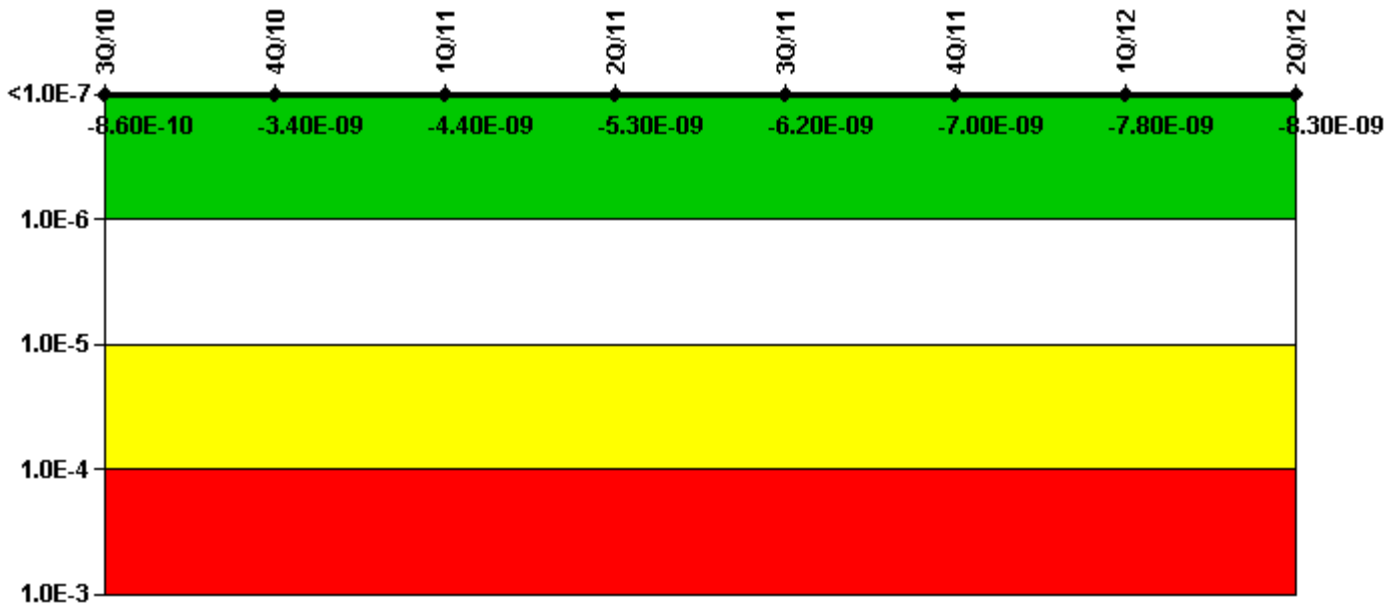
Licensee Comments:

1Q/11: Changed PRA Parameter(s). MSPI basis document revision 5 incorporates PRA updates for PBAPS U2 and U3 completed in the 3rd qtr 2010. MSPI PRA values for all impacted functions, device records and unit CDF have been revised IAW the values calculated in PB209A for U2 and PB309A for U3, respectively.

4Q/10: Changed PRA Parameter(s). PBAPS PRA MODEL UPDATE for 2010 was effective Q4 2010. Update PB209A/P309A has been incorporated into Revision 5 of the station MSPI Bases Document. All impacted Unit performance values have been updated as applicable effective 10/1/2010.

4Q/10: Changed PRA Parameter(s). PBAPS PRA MODEL UPDATE for 2010 was effective Q4 2010. Update PB209A/P309A has been incorporated into Revision 5 of the station MSPI Bases Document. All impacted Unit performance values have been updated as applicable effective 10/1/2010.

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/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 9.37E-11 | -2.19E-10 | -2.17E-10 | -2.17E-10 | -3.09E-10 | -3.04E-10 | -3.04E-10 | -1.10E-10 |
| URI (Δ CDF) | -9.52E-10 | -3.21E-09 | -4.19E-09 | -5.09E-09 | -5.94E-09 | -6.72E-09 | -7.46E-09 | -8.14E-09 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | -8.60E-10 | -3.40E-09 | -4.40E-09 | -5.30E-09 | -6.20E-09 | -7.00E-09 | -7.80E-09 | -8.30E-09 |

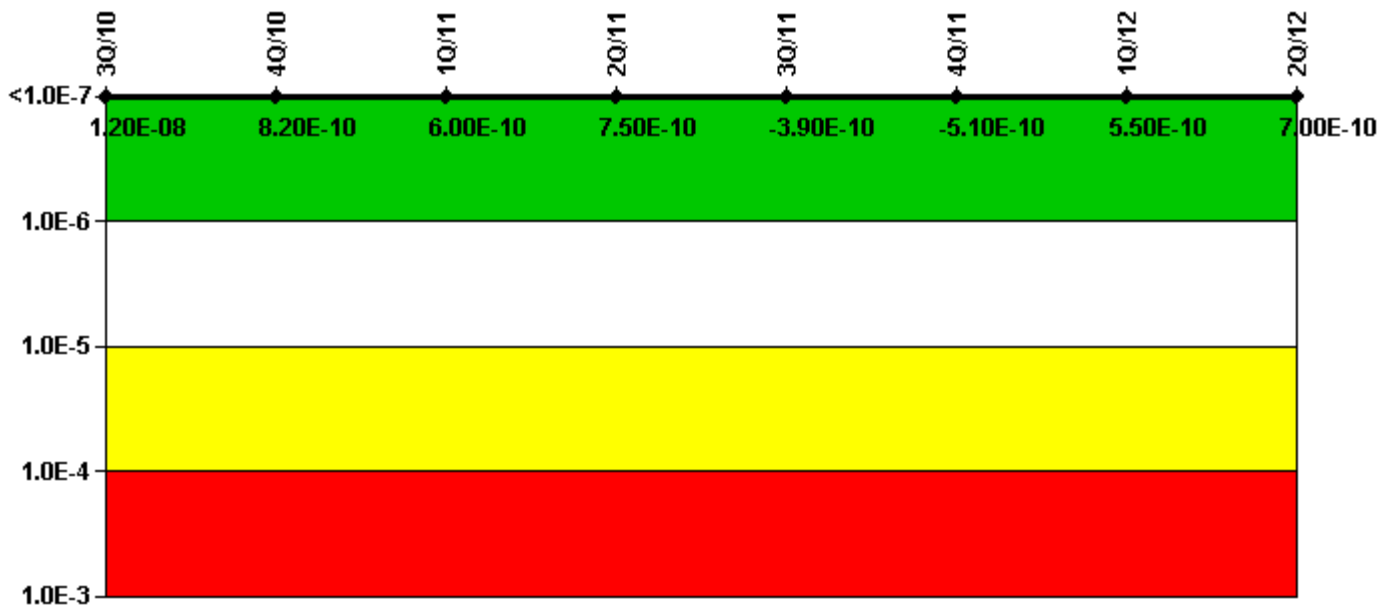
Licensee Comments:

1Q/11: Changed PRA Parameter(s). MSPI basis document revision 5 incorporates PRA updates for PBAPS U2 and U3 completed in the 3rd qtr 2010. MSPI PRA values for all impacted functions, device records and unit CDF have been revised IAW the values calculated in PB209A for U2 and PB309A for U3, respectively.

4Q/10: Changed PRA Parameter(s). PBAPS PRA MODEL UPDATE for 2010 was effective Q4 2010. Update PB209A/P309A has been incorporated into Revision 5 of the station MSPI Bases Document. All impacted Unit performance values have been updated as applicable effective 10/1/2010.

4Q/10: Changed PRA Parameter(s). PBAPS PRA MODEL UPDATE for 2010 was effective Q4 2010. Update PB209A/P309A has been incorporated into Revision 5 of the station MSPI Bases Document. All impacted Unit performance values have been updated as applicable effective 10/1/2010.

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/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (Δ CDF) | 1.90E-08 | 2.68E-09 | 2.45E-09 | 2.60E-09 | 1.46E-09 | 1.34E-09 | 2.40E-09 | 2.55E-09 |
| URI (Δ CDF) | -7.00E-09 | -1.85E-09 | -1.85E-09 | -1.85E-09 | -1.85E-09 | -1.85E-09 | -1.85E-09 | -1.85E-09 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| Indicator value | 1.20E-08 | 8.20E-10 | 6.00E-10 | 7.50E-10 | -3.90E-10 | -5.10E-10 | 5.50E-10 | 7.00E-10 |

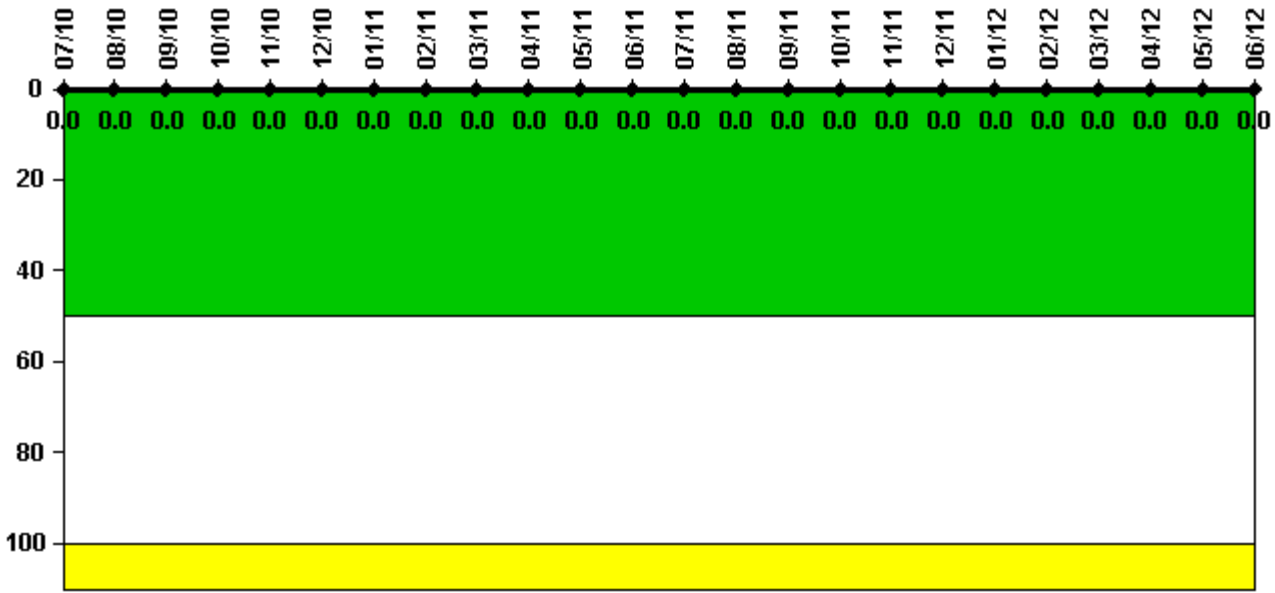
Licensee Comments:

1Q/11: Changed PRA Parameter(s). MSPI basis document revision 5 incorporates PRA updates for PBAPS U2 and U3 completed in the 3rd qtr 2010. MSPI PRA values for all impacted functions, device records and unit CDF have been revised IAW the values calculated in PB209A for U2 and PB309A for U3, respectively.

4Q/10: Changed PRA Parameter(s). PBAPS PRA MODEL UPDATE for 2010 was effective Q4 2010. Update PB209A/P309A has been incorporated into Revision 5 of the station MSPI Bases Document. All impacted Unit performance values have been updated as applicable effective 10/1/2010.

4Q/10: Changed PRA Parameter(s). PBAPS PRA MODEL UPDATE for 2010 was effective Q4 2010. Update PB209A/P309A has been incorporated into Revision 5 of the station MSPI Bases Document. All impacted Unit performance values have been updated as applicable effective 10/1/2010.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

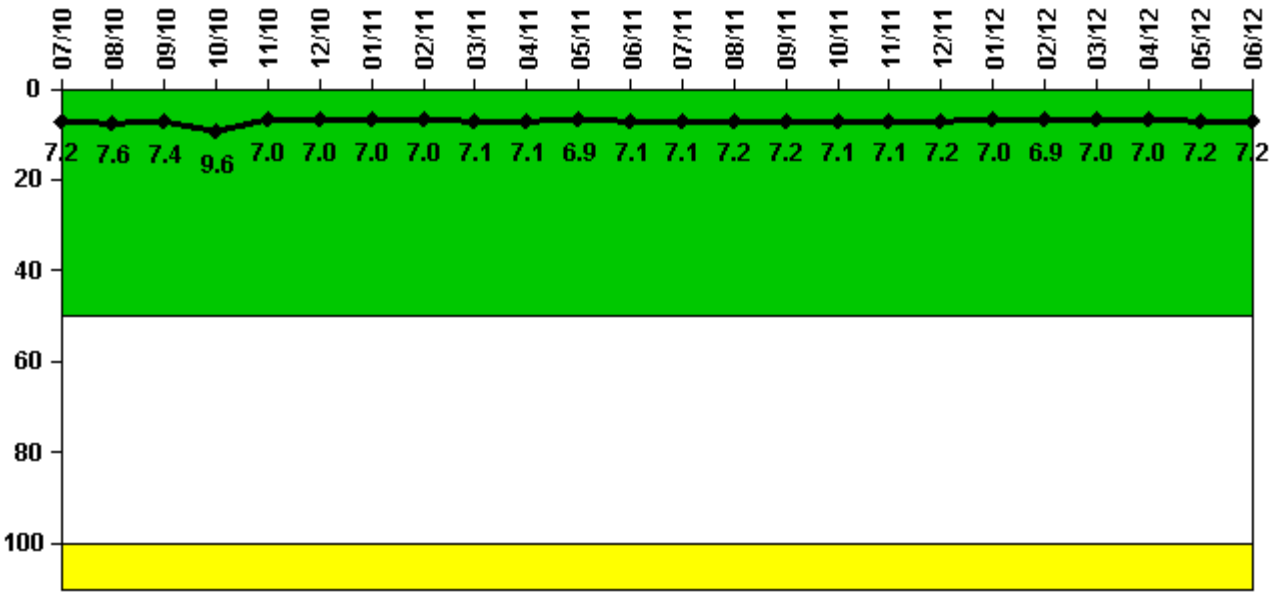
Notes

| Reactor Coolant System Activity | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 | 4/11 | 5/11 | 6/11 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000038 | 0.000038 | 0.000046 | 0.000024 | 0.000021 | 0.000022 | 0.000022 | 0.000029 | 0.000061 | 0.000022 | 0.000023 | 0.000023 |
| 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 | 7/11 | 8/11 | 9/11 | 10/11 | 11/11 | 12/11 | 1/12 | 2/12 | 3/12 | 4/12 | 5/12 | 6/12 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity | 0.000025 | 0.000024 | 0.000022 | 0.000027 | 0.000023 | 0.000022 | 0.000022 | 0.000020 | 0.000027 | 0.000020 | 0.000020 | 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 |

Licensee Comments: none

Reactor Coolant System Leakage



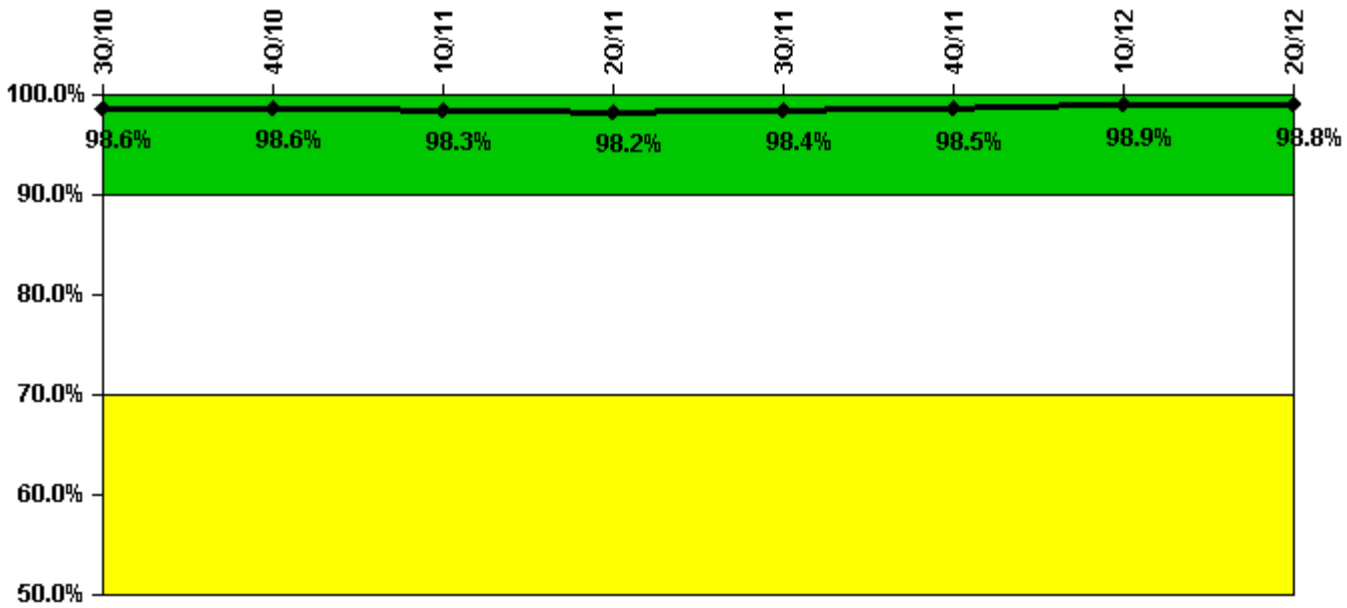
Thresholds: White > 50.0 Yellow > 100.0

Notes

| | | | | | | | | | | | | |
|---------------------------------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Reactor Coolant System Leakage | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 | 4/11 | 5/11 | 6/11 |
| Maximum leakage | 1.810 | 1.890 | 1.850 | 2.400 | 1.750 | 1.740 | 1.740 | 1.740 | 1.780 | 1.780 | 1.720 | 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 | 7.2 | 7.6 | 7.4 | 9.6 | 7.0 | 7.0 | 7.0 | 7.0 | 7.1 | 7.1 | 6.9 | 7.1 |
| Reactor Coolant System Leakage | 7/11 | 8/11 | 9/11 | 10/11 | 11/11 | 12/11 | 1/12 | 2/12 | 3/12 | 4/12 | 5/12 | 6/12 |
| Maximum leakage | 1.780 | 1.790 | 1.790 | 1.780 | 1.780 | 1.790 | 1.740 | 1.720 | 1.750 | 1.750 | 1.790 | 1.810 |
| 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 | 7.2 | 7.2 | 7.1 | 7.1 | 7.2 | 7.0 | 6.9 | 7.0 | 7.0 | 7.2 | 7.2 |

Licensee Comments: none

Drill/Exercise Performance



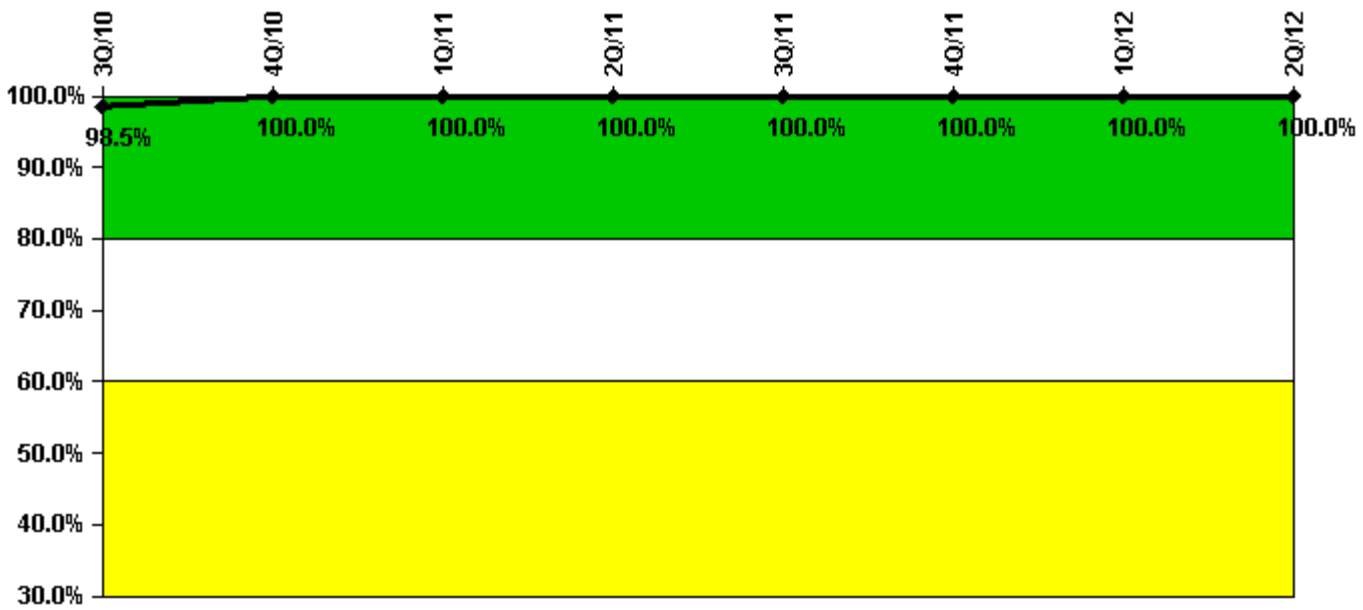
Thresholds: White < 90.0% Yellow < 70.0%

Notes

| Drill/Exercise Performance | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities | 20.0 | 28.0 | 70.0 | 26.0 | 19.0 | 36.0 | 93.0 | 32.0 |
| Total opportunities | 20.0 | 28.0 | 73.0 | 27.0 | 19.0 | 36.0 | 93.0 | 32.0 |
| | | | | | | | | |
| Indicator value | 98.6% | 98.6% | 98.3% | 98.2% | 98.4% | 98.5% | 98.9% | 98.8% |

Licensee Comments: none

ERO Drill Participation



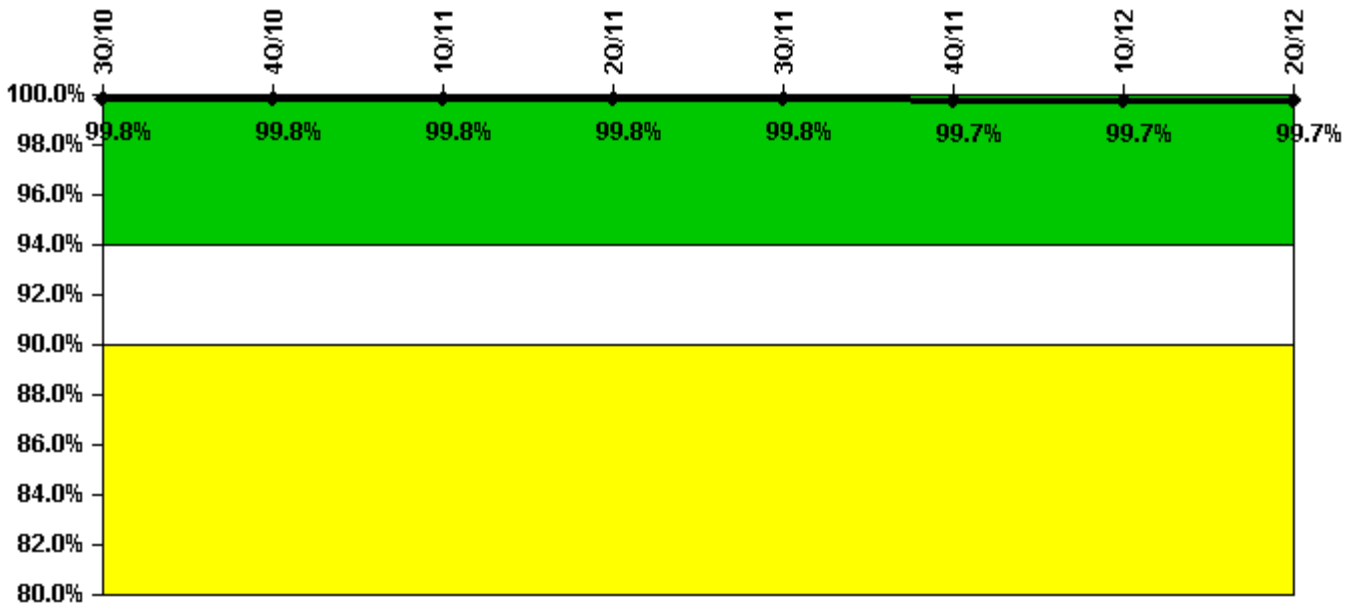
Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|-----------------------------|-------|--------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 65.0 | 67.0 | 66.0 | 67.0 | 61.0 | 67.0 | 71.0 | 72.0 |
| Total Key personnel | 66.0 | 67.0 | 66.0 | 67.0 | 61.0 | 67.0 | 71.0 | 72.0 |
| Indicator value | 98.5% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

Alert & Notification System



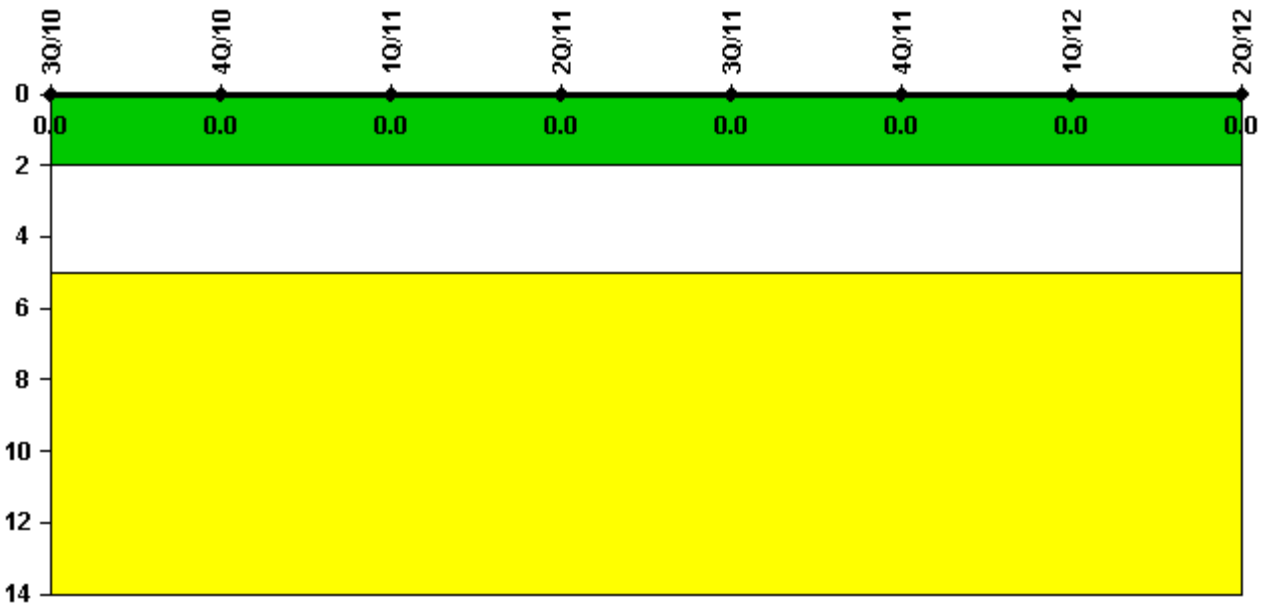
Thresholds: White < 94.0% Yellow < 90.0%

Notes

| Alert & Notification System | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests | 1255 | 1259 | 1260 | 1259 | 1254 | 1257 | 1258 | 1258 |
| Total sirens-tests | 1261 | 1261 | 1261 | 1261 | 1261 | 1261 | 1261 | 1261 |
| Indicator value | 99.8% | 99.8% | 99.8% | 99.8% | 99.8% | 99.7% | 99.7% | 99.7% |

Licensee Comments: none

Occupational Exposure Control Effectiveness



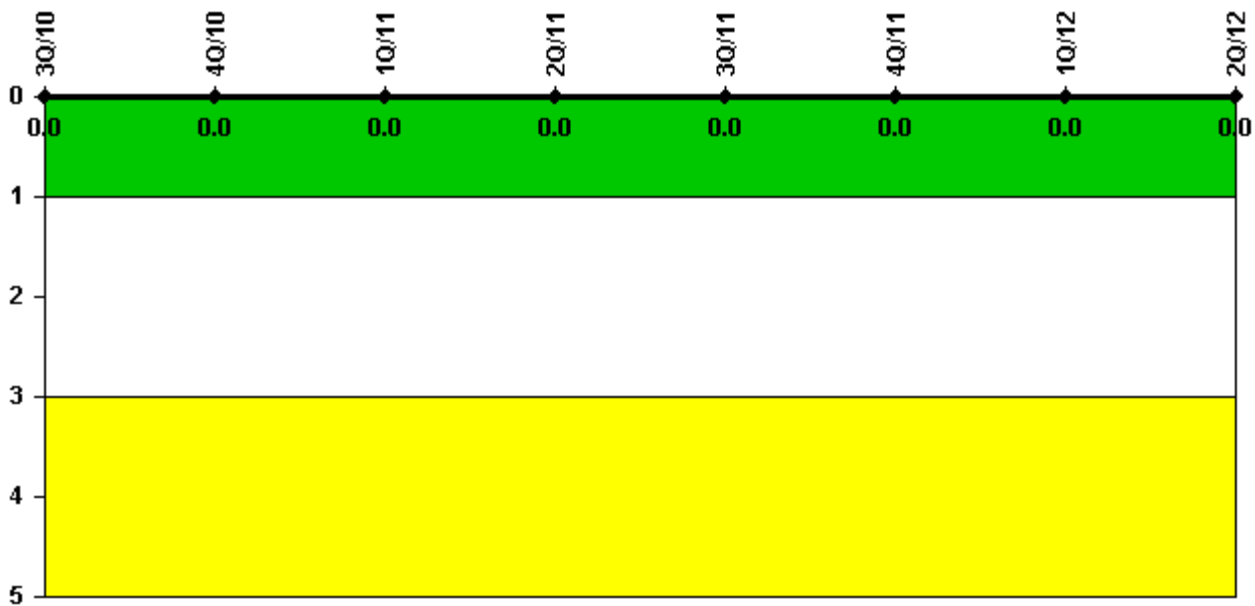
Thresholds: White > 2.0 Yellow > 5.0

Notes

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