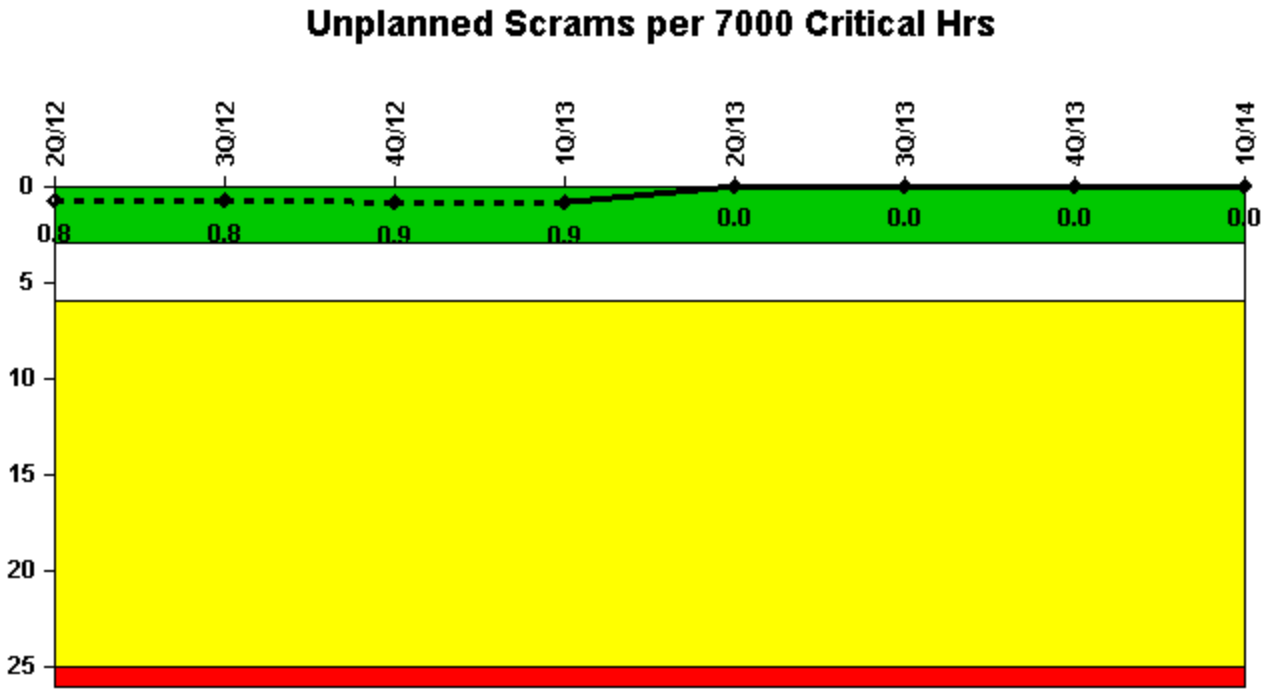
Point Beach 2

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

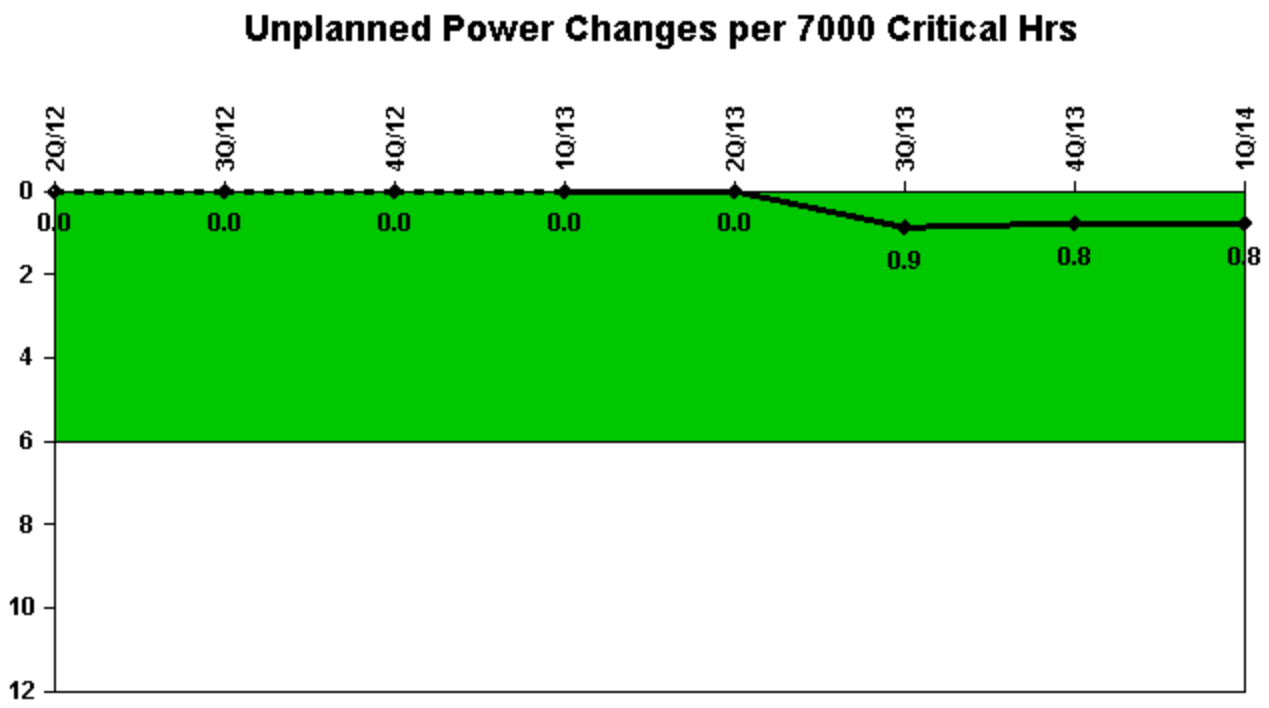


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2108.8	2162.0	1516.5	2159.0	2184.0	2208.0	2209.0	1799.5
Indicator value	**0.8**	**0.8**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none



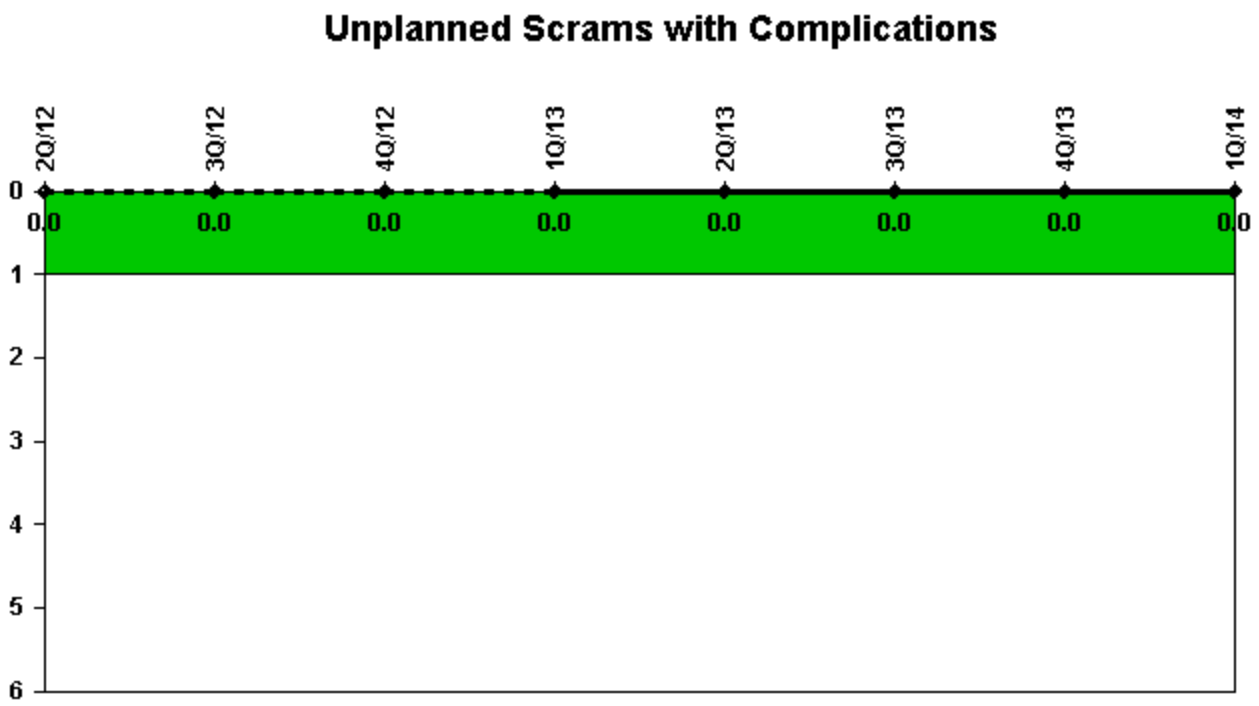
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2108.8	2162.0	1516.5	2159.0	2184.0	2208.0	2209.0	1799.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**

Licensee Comments:

3Q/13: Power reduction due to steam leak on main feedwater pump 2P-28A. Power was reduced and the main feedwater pump steam leak was repaired.

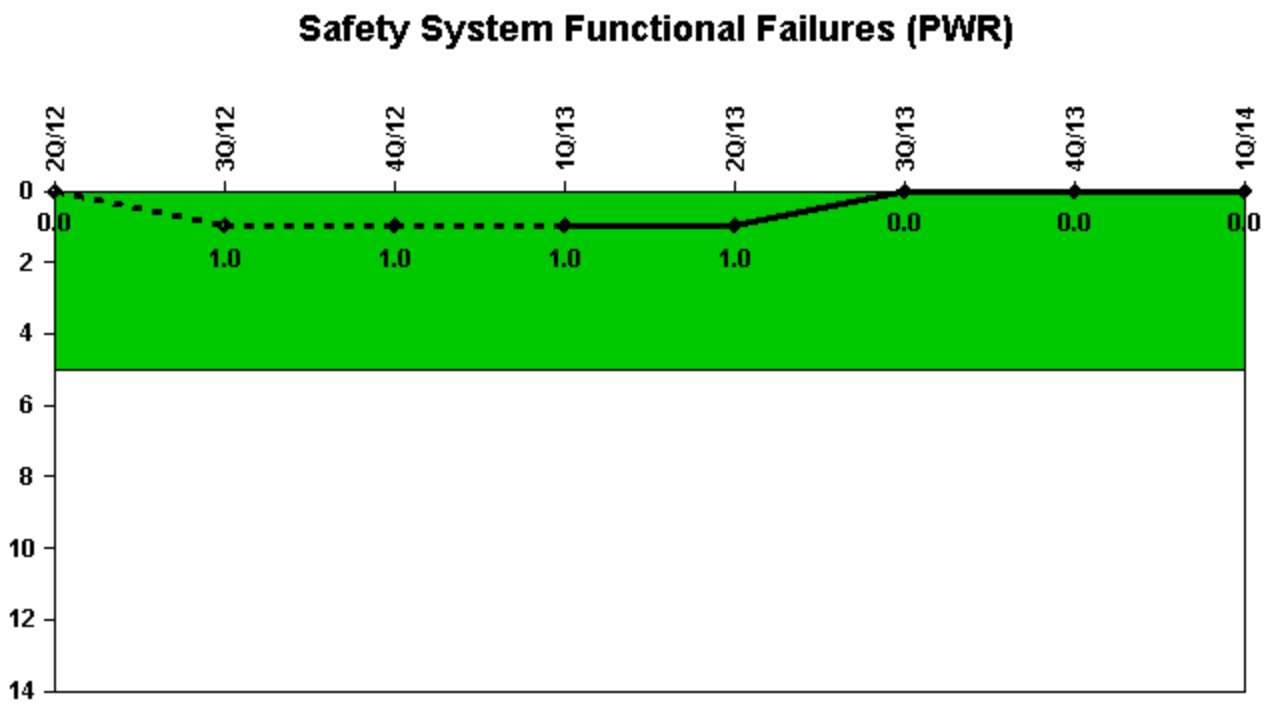


Thresholds: White > 1.0

Notes

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



Thresholds: White > 5.0

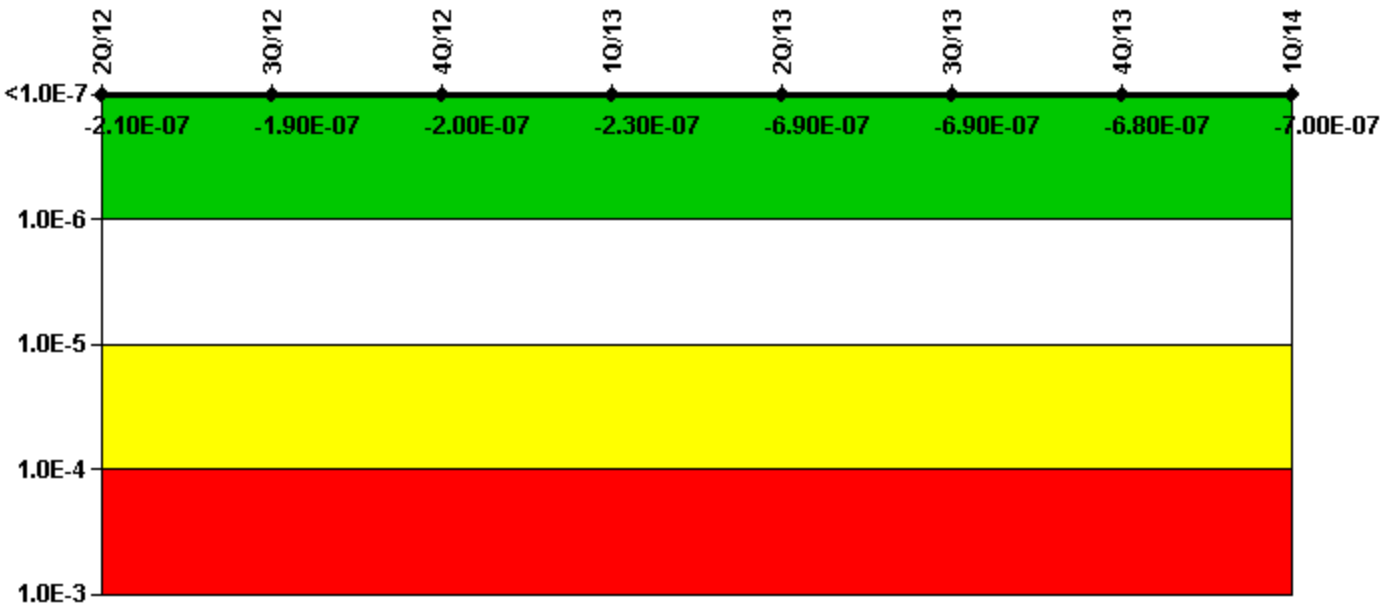
Notes

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

Licensee Comments:

3Q/12: LER 266/2012-003 is for both units but was a SSFF only for Unit 2. Submitted August 28, 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	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	8.00E-08	9.30E-08	8.67E-08	5.28E-08	5.89E-08	5.54E-08	6.00E-08	4.64E-08
URI (ΔCDF)	-2.88E-07	-2.86E-07	-2.85E-07	-2.84E-07	-7.46E-07	-7.41E-07	-7.43E-07	-7.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-07**	**-1.90E-07**	**-2.00E-07**	**-2.30E-07**	**-6.90E-07**	**-6.90E-07**	**-6.80E-07**	**-7.00E-07**

Licensee Comments:

3Q/13: Revised estimated run hours to account for endurance tests. (RWT01837653) Effective 4Q13. ESF starts added from Feb 2013 (AR01890255).

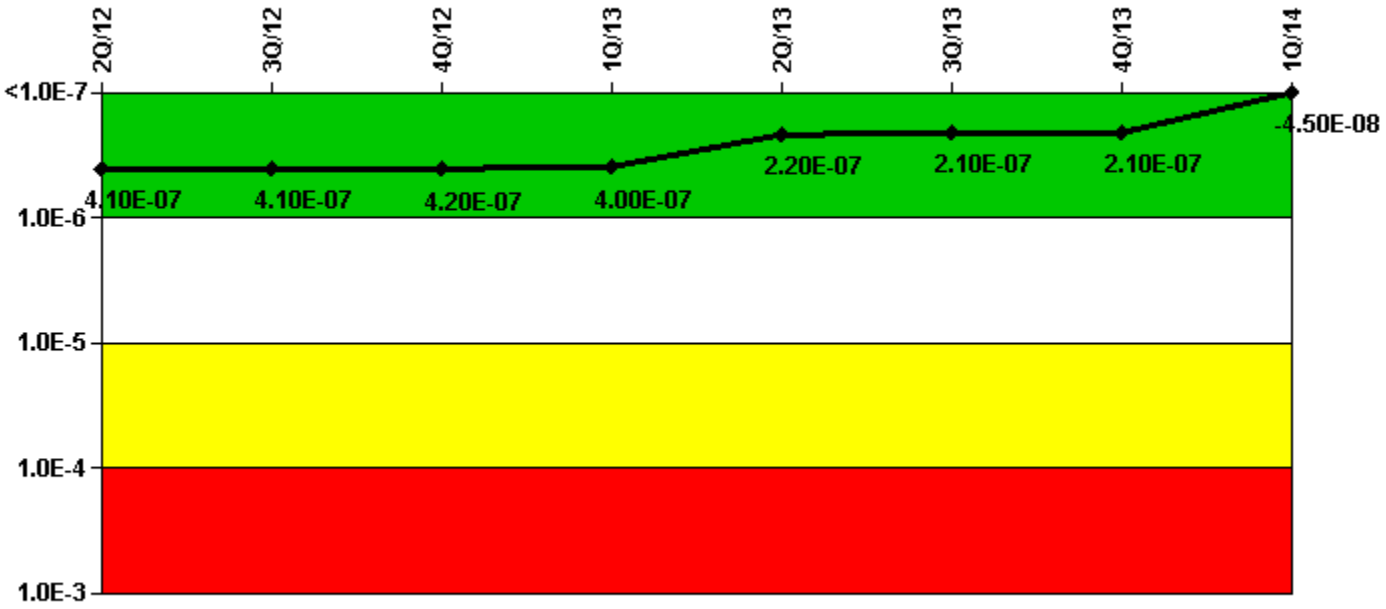
2Q/13: Changed PRA Parameter(s). MSPI Basis Document has been updated to incorporate PRA Model 5.01 which was implemented March 1, 2013. This version of the PRA model incorporates a new data analysis using plant data from 2003-2008.

2Q/13: MSPI Basis Document has been updated to incorporate PRA Model 5.01 which was implemented March 1, 2013. This version of the PRA model incorporates a new data analysis using plant data from 2003-2008.

1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

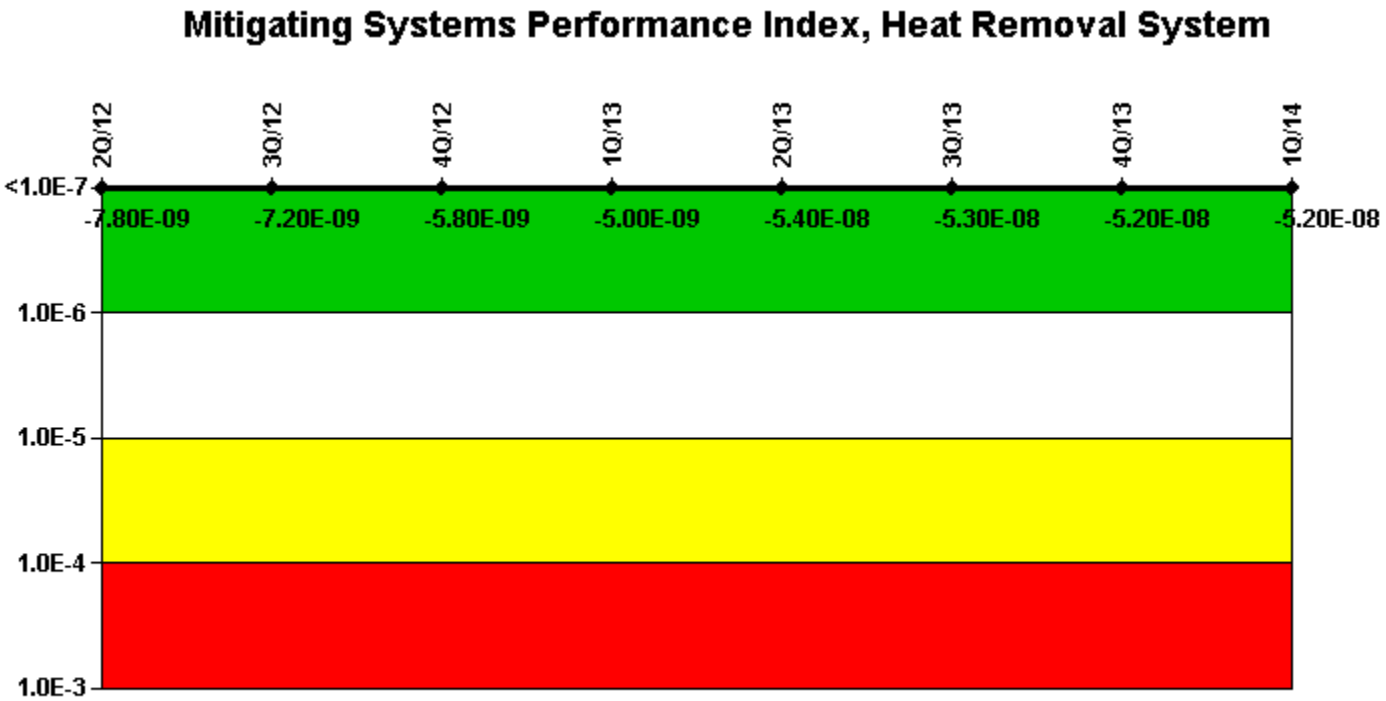
Mitigating Systems Performance Index, High Pressure Injection System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (ΔCDF)	2.13E-08	2.21E-08	2.56E-08	1.01E-08	-2.94E-09	-6.12E-09	-6.21E-09	-1.68E-08
URI (ΔCDF)	3.90E-07	3.90E-07	3.90E-07	3.90E-07	2.20E-07	2.20E-07	2.20E-07	-2.81E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.10E-07**	**4.10E-07**	**4.20E-07**	**4.00E-07**	**2.20E-07**	**2.10E-07**	**2.10E-07**	**-4.50E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). Failure 247779 for 2P-15B oiler being empty had erroneously been changed to not a failure. This has been corrected (AR01883159). MSPI Basis Document has been updated to incorporate PRA Model 5.01 which was implemented March 1, 2013. This version of the PRA model incorporates a new data analysis using plant data from 2003-2008.

1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.



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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	2.33E-09	2.98E-09	4.48E-09	5.35E-09	-9.87E-09	-9.18E-09	-9.99E-09	-1.19E-08
URI (ΔCDF)	-1.01E-08	-1.02E-08	-1.03E-08	-1.03E-08	-4.42E-08	-4.37E-08	-4.21E-08	-4.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.80E-09**	**-7.20E-09**	**-5.80E-09**	**-5.00E-09**	**-5.40E-08**	**-5.30E-08**	**-5.20E-08**	**-5.20E-08**

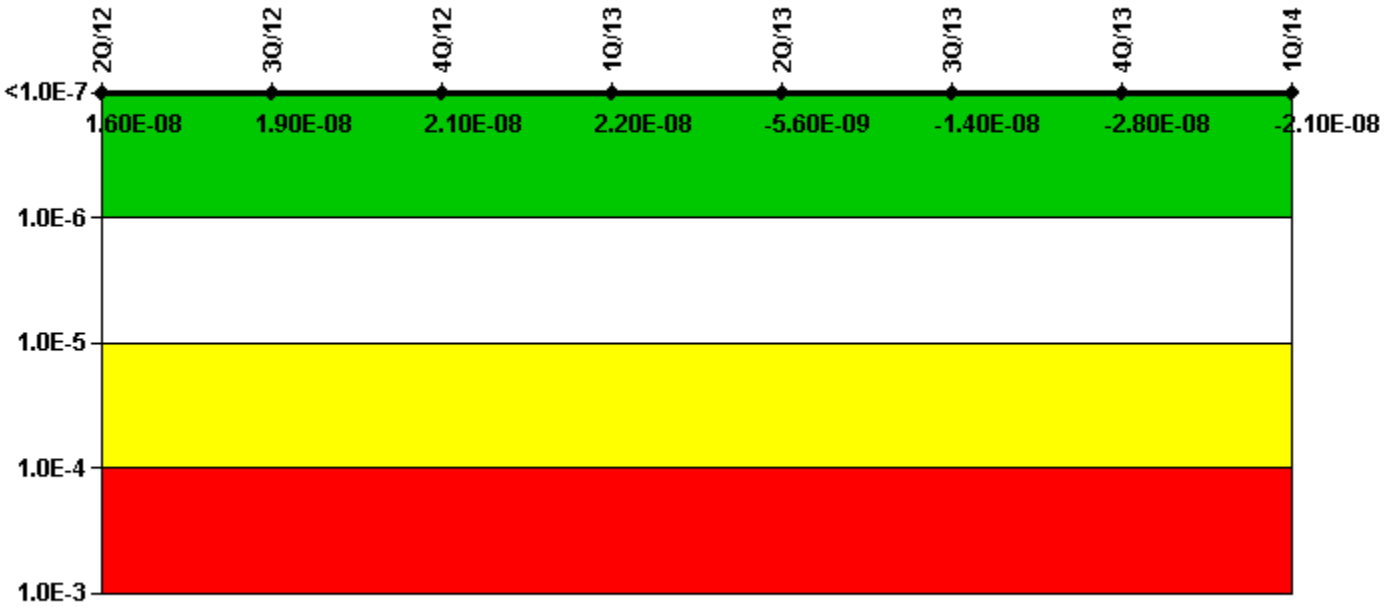
Licensee Comments:

3Q/13: Revised estimated operational demands and run hours for P-053 motor driven pump. Pump not used for startup and shutdown operation. (RWT01837653 and AR01903536) Effective 4Q13.

2Q/13: Changed PRA Parameter(s). MSPI Basis Document has been updated to incorporate PRA Model 5.01 which was implemented March 1, 2013. This version of the PRA model incorporates a new data analysis using plant data from 2003-2008.

1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

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	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	3.82E-08	4.10E-08	4.37E-08	4.46E-08	1.17E-07	1.09E-07	9.51E-08	1.03E-07
URI (ΔCDF)	-2.24E-08	-2.24E-08	-2.24E-08	-2.24E-08	-1.23E-07	-1.23E-07	-1.23E-07	-1.24E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-08**	**1.90E-08**	**2.10E-08**	**2.20E-08**	**-5.60E-09**	**-1.40E-08**	**-2.80E-08**	**-2.10E-08**

Licensee Comments:

4Q/13: Past unavailability revised to include hours from IT-12 and IT-13to account for difference between assigned operator and dedicated operator. (AR01901575)

3Q/13: Revised estimated demands for valves due to venting. (RWT01837653) Effective 4Q13.

3Q/13: Revised estimated demands for valves due to venting. (RWT01837653) Effective 4Q13.

2Q/13: MSPI Basis Document has been updated to incorporate PRA Model 5.01 which was implemented March 1, 2013. This version of the PRA model incorporates a new data analysis using plant data from 2003-2008.

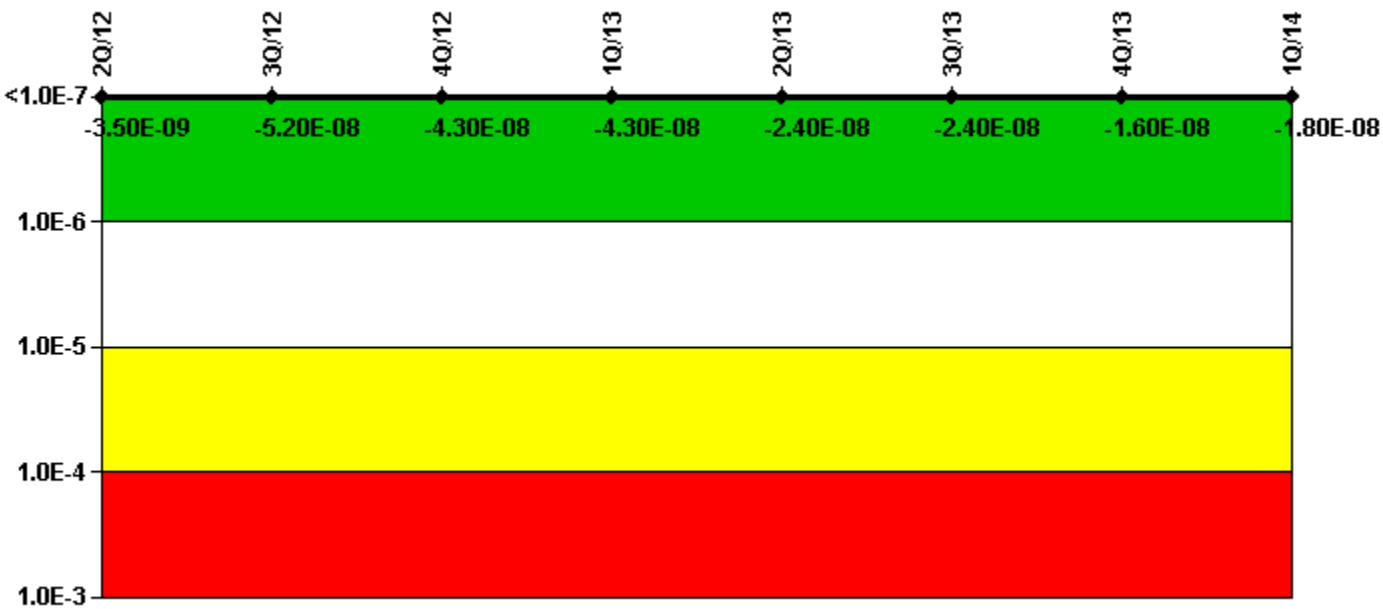
2Q/13: Changed PRA Parameter(s). MSPI Basis Document has been updated to incorporate PRA Model 5.01 which was implemented March 1, 2013. This version of the PRA model incorporates a new data analysis using

plant data from 2003-2008.

1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

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	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-1.94E-08	-2.29E-08	-1.38E-08	-1.40E-08	-1.64E-08	-1.64E-08	-8.25E-09	-1.01E-08
URI (ΔCDF)	1.59E-08	-2.90E-08	-2.90E-08	-2.90E-08	-7.79E-09	-7.79E-09	-7.85E-09	-7.91E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-09**	**-5.20E-08**	**-4.30E-08**	**-4.30E-08**	**-2.40E-08**	**-2.40E-08**	**-1.60E-08**	**-1.80E-08**

Licensee Comments:

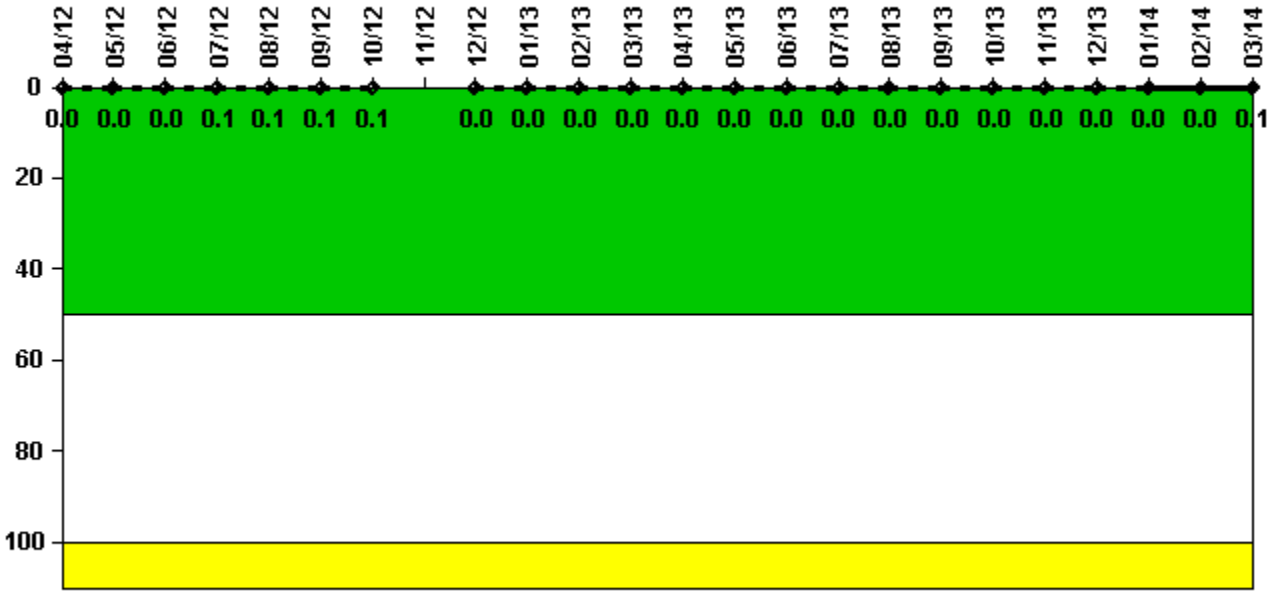
3Q/13: Revised estimated demands and run hours for current normal operation. (RWT01837653) Effective 4Q13.

2Q/13: Changed PRA Parameter(s). MSPI Basis Document has been updated to incorporate PRA Model 5.01

which was implemented March 1, 2013. This version of the PRA model incorporates a new data analysis using plant data from 2003-2008.

1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

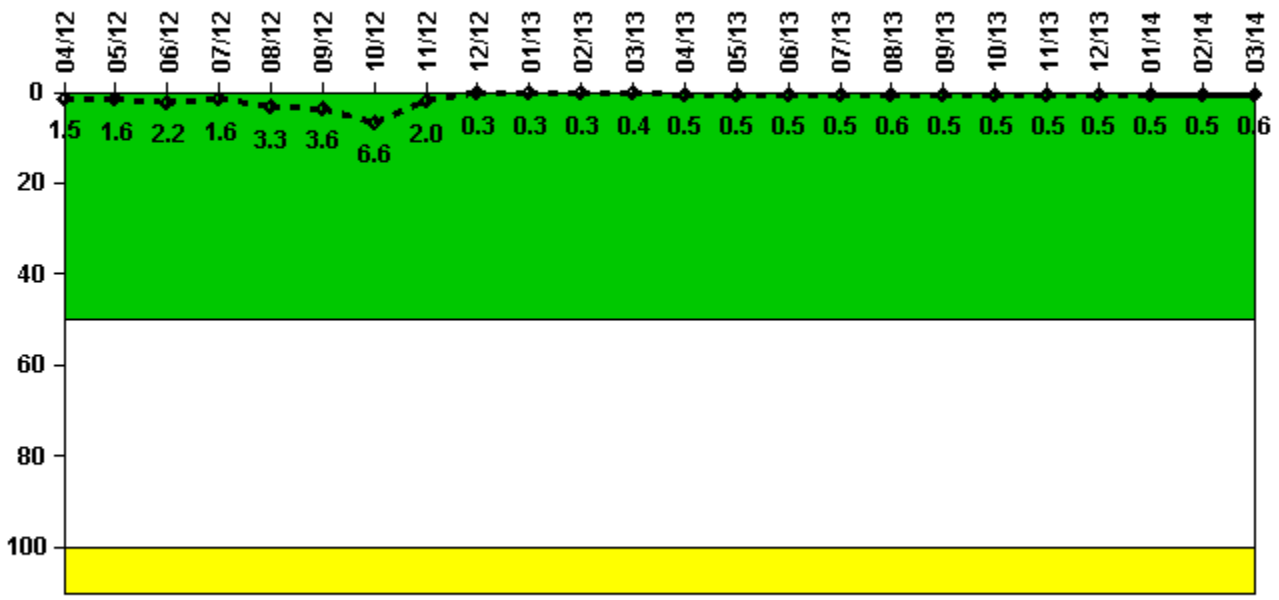
Reactor Coolant System Activity	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum activity	0.000223	0.000247	0.000244	0.000287	0.000261	0.000284	0.000278	N/A	0.000139	0.000165	0.000156	0.000155
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum activity	0.000164	0.000172	0.000185	0.000194	0.000196	0.000207	0.000221	0.000222	0.000225	0.000241	0.000249	0.000258
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

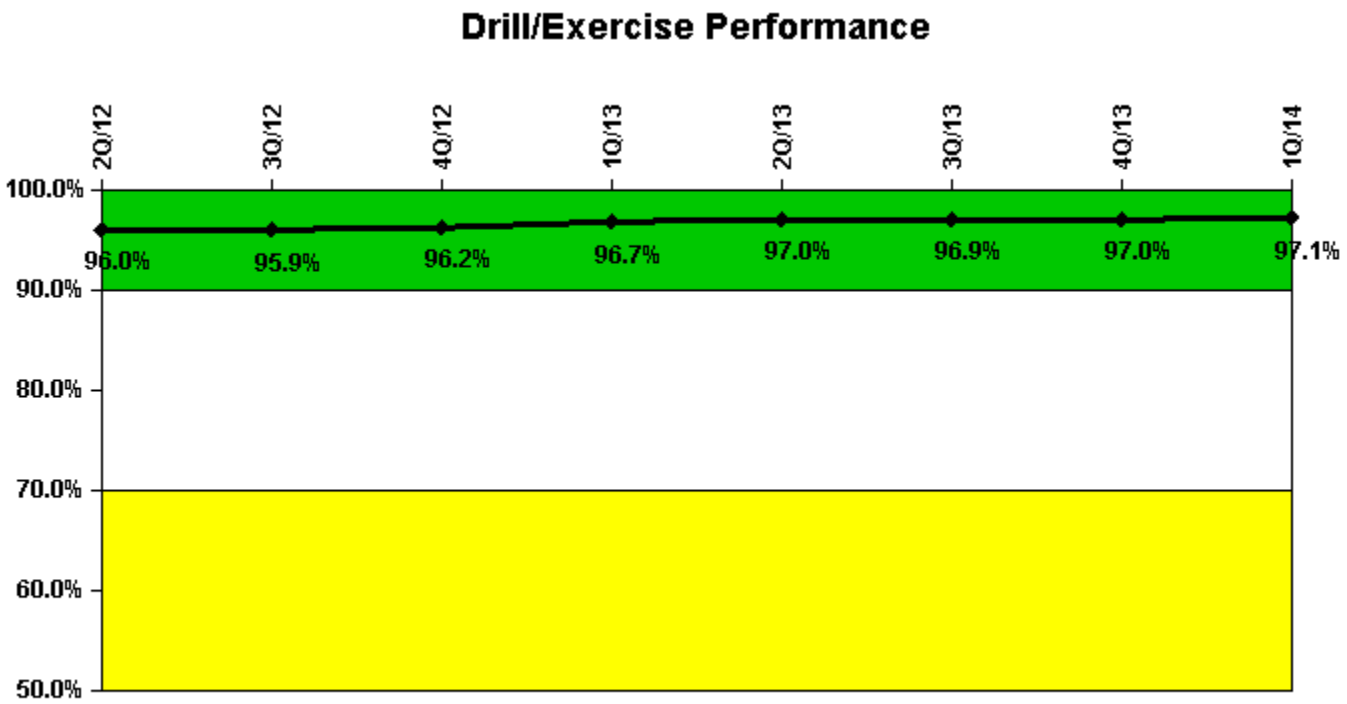
Notes

Reactor Coolant System Leakage	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum leakage	0.149	0.160	0.216	0.159	0.334	0.359	0.662	0.200	0.025	0.027	0.031	0.039
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	**1.5**	**1.6**	**2.2**	**1.6**	**3.3**	**3.6**	**6.6**	**2.0**	**0.3**	**0.3**	**0.3**	**0.4**
Reactor Coolant System Leakage	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum leakage	0.049	0.049	0.054	0.045	0.060	0.048	0.049	0.053	0.054	0.052	0.053	0.062
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	**0.5**	**0.5**	**0.5**	**0.5**	**0.6**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.6**

Licensee Comments:

12/12: 2012-10 Maximum RCS Identified Leakage revised 5/22/13 to 0.662 based on data review from AR

1872894. 2012-11 Maximum RCS Identified Leakage revised 5/22/13 to 0.200 based on data review from AR 1872894.



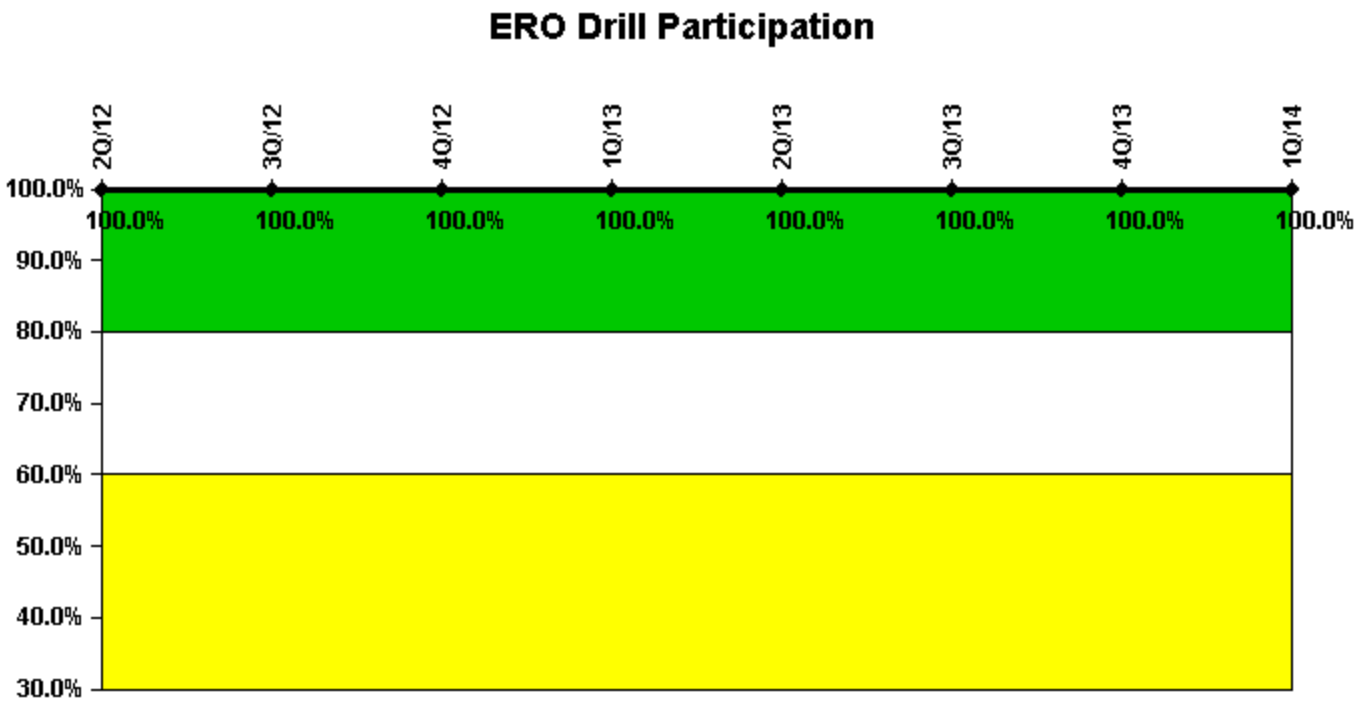
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful opportunities	40.0	27.0	2.0	37.0	31.0	27.0	8.0	30.0
Total opportunities	44.0	27.0	2.0	37.0	32.0	28.0	8.0	30.0
Indicator value	**96.0%**	**95.9%**	**96.2%**	**96.7%**	**97.0%**	**96.9%**	**97.0%**	**97.1%**

Licensee Comments:

2Q/12: Successful opportunities revised from 29 to 28 for April based on the actual Alert declaration being retracted on 8/2/12.

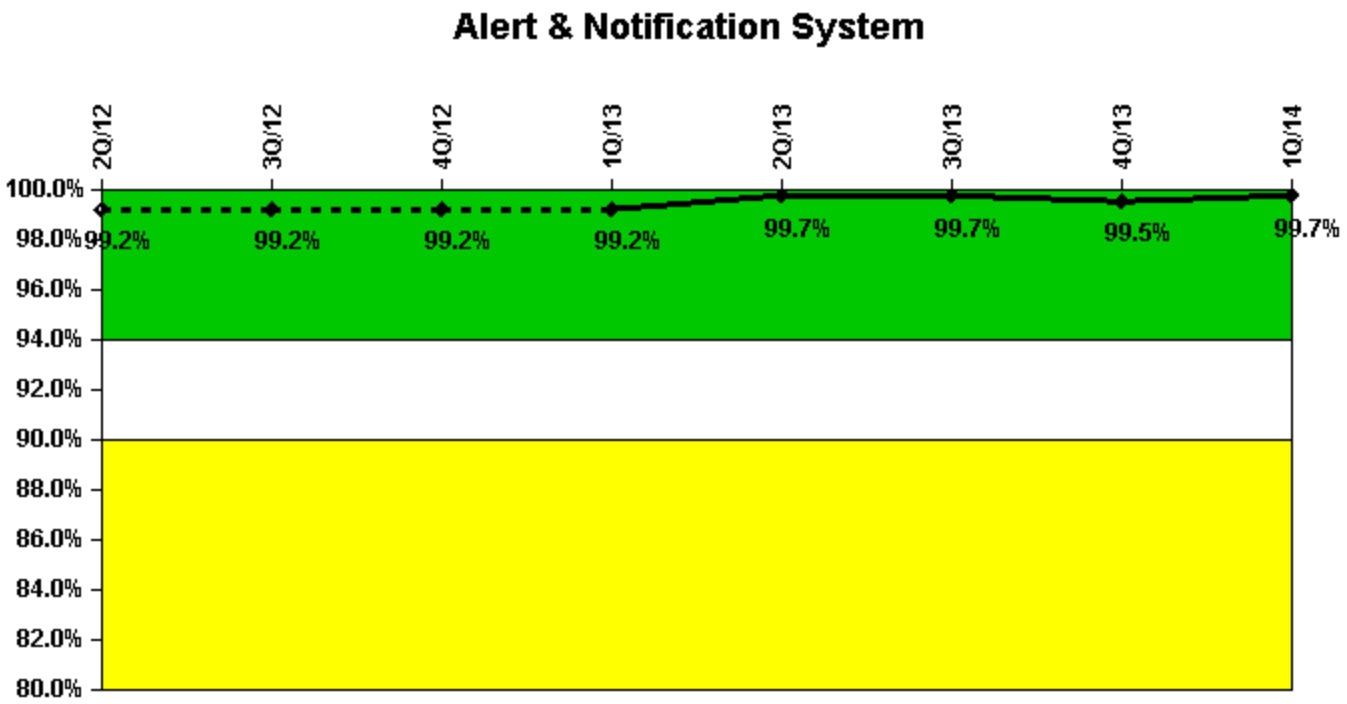


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Participating Key personnel	63.0	61.0	59.0	62.0	61.0	62.0	58.0	58.0
Total Key personnel	63.0	61.0	59.0	62.0	61.0	62.0	58.0	58.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none



Thresholds: White < 94.0% Yellow < 90.0%

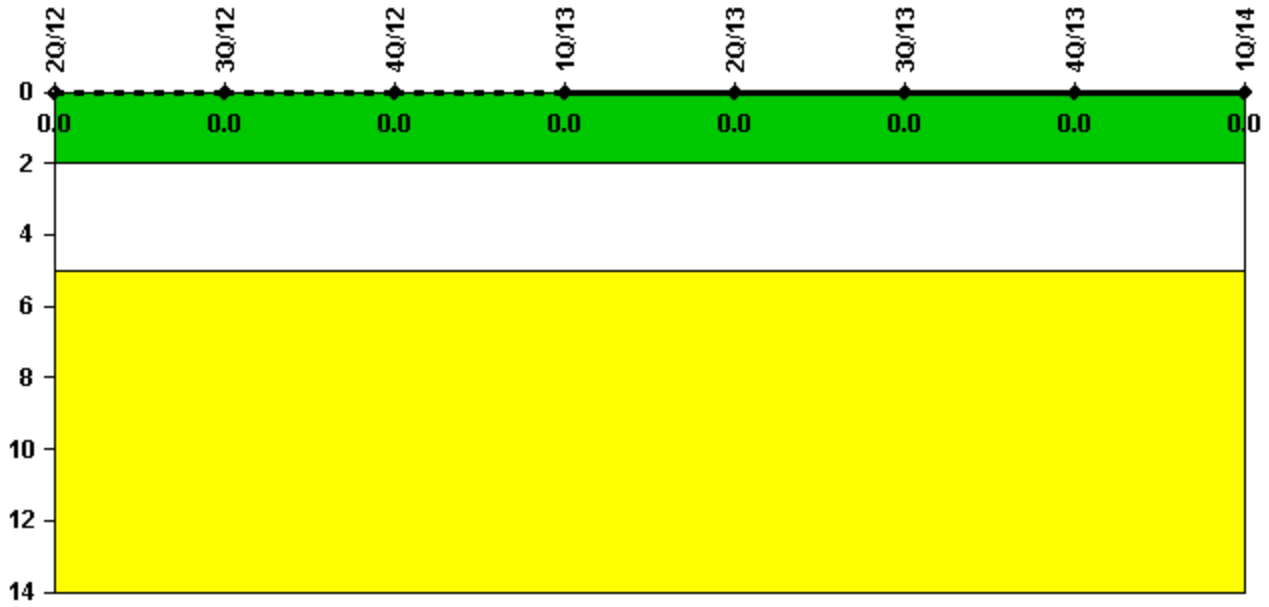
Notes

Alert & Notification System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful siren-tests	96	98	98	97	98	84	97	98
Total sirens-tests	98	98	98	98	98	84	98	98
Indicator value	**99.2%**	**99.2%**	**99.2%**	**99.2%**	**99.7%**	**99.7%**	**99.5%**	**99.7%**

Licensee Comments:

1Q/14: Point Beach ANS coverage takes credit for 8 sirens located in Kewaunee County that are owned and maintained by Kewaunee Power Station. As identified in FAQ 13-04, Point Beach is documenting the siren testing performance for these 8 sirens in the notes section of the Point Beach monthly ANS indicators.

Occupational Exposure Control Effectiveness

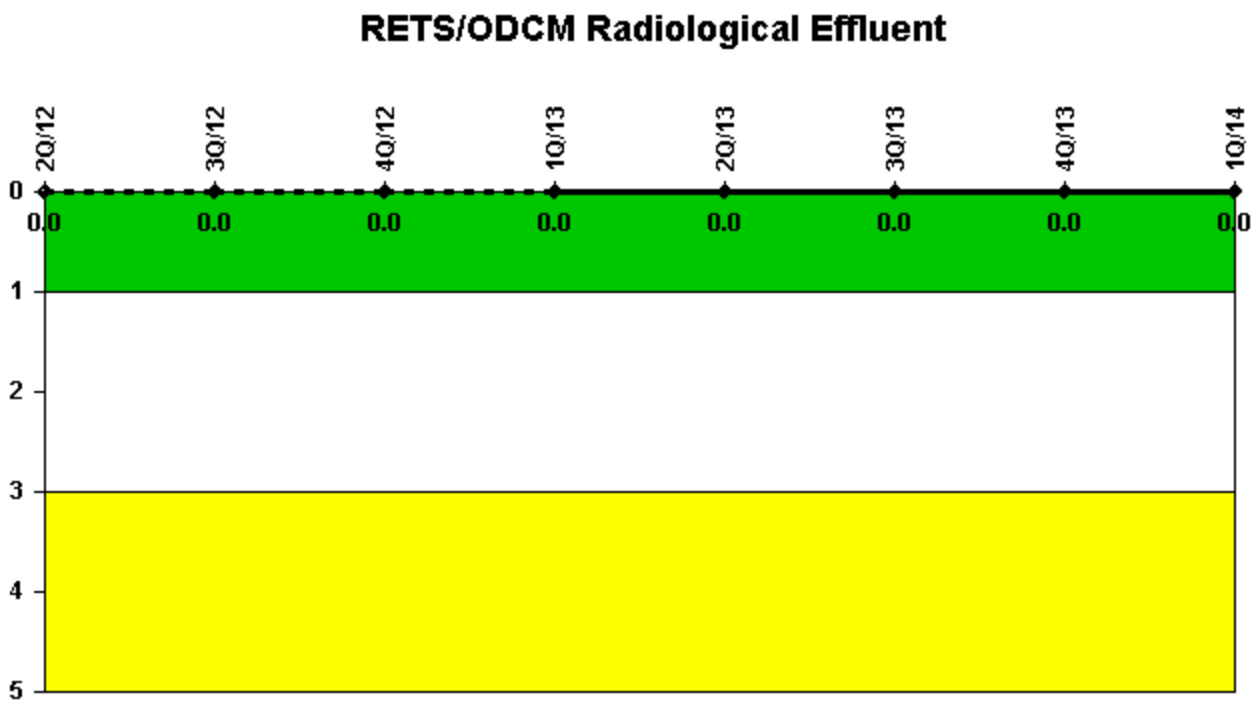


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/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



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/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: April 23, 2014