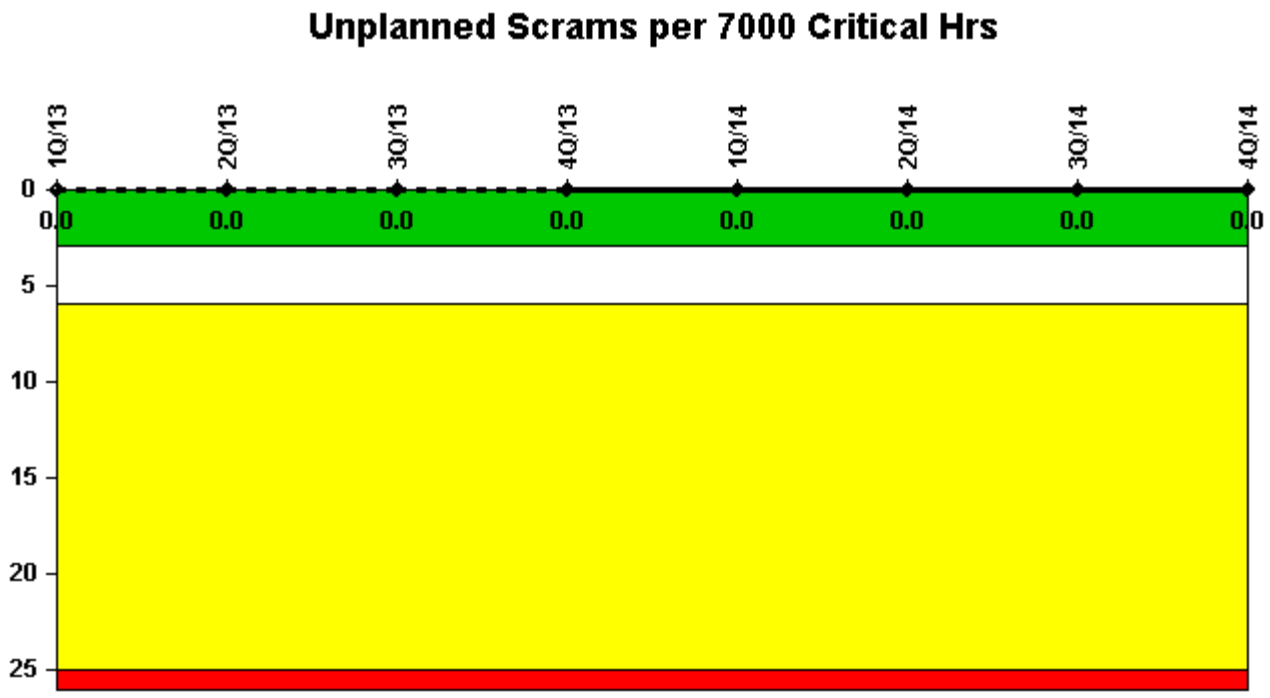
Peach Bottom 2

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

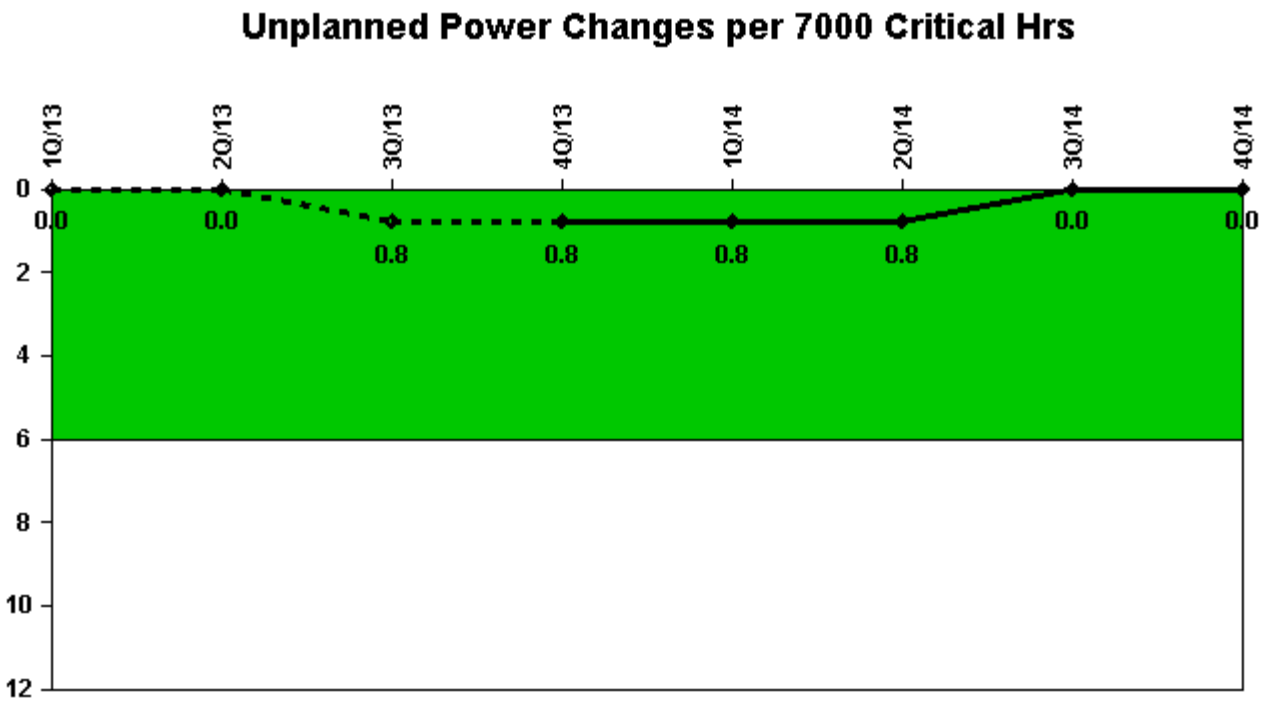


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0	1201.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

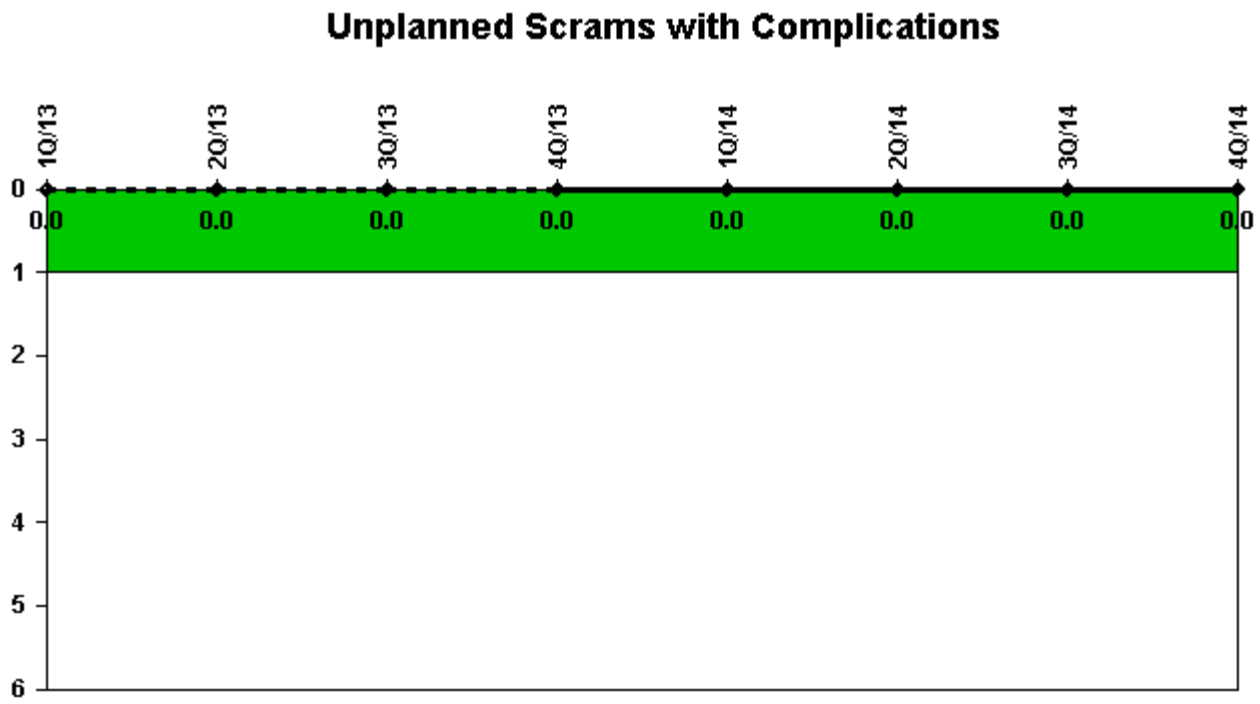


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0	1201.5
Indicator value	**0**	**0**	**0.8**	**0.8**	**0.8**	**0.8**	**0**	**0**

Licensee Comments: none

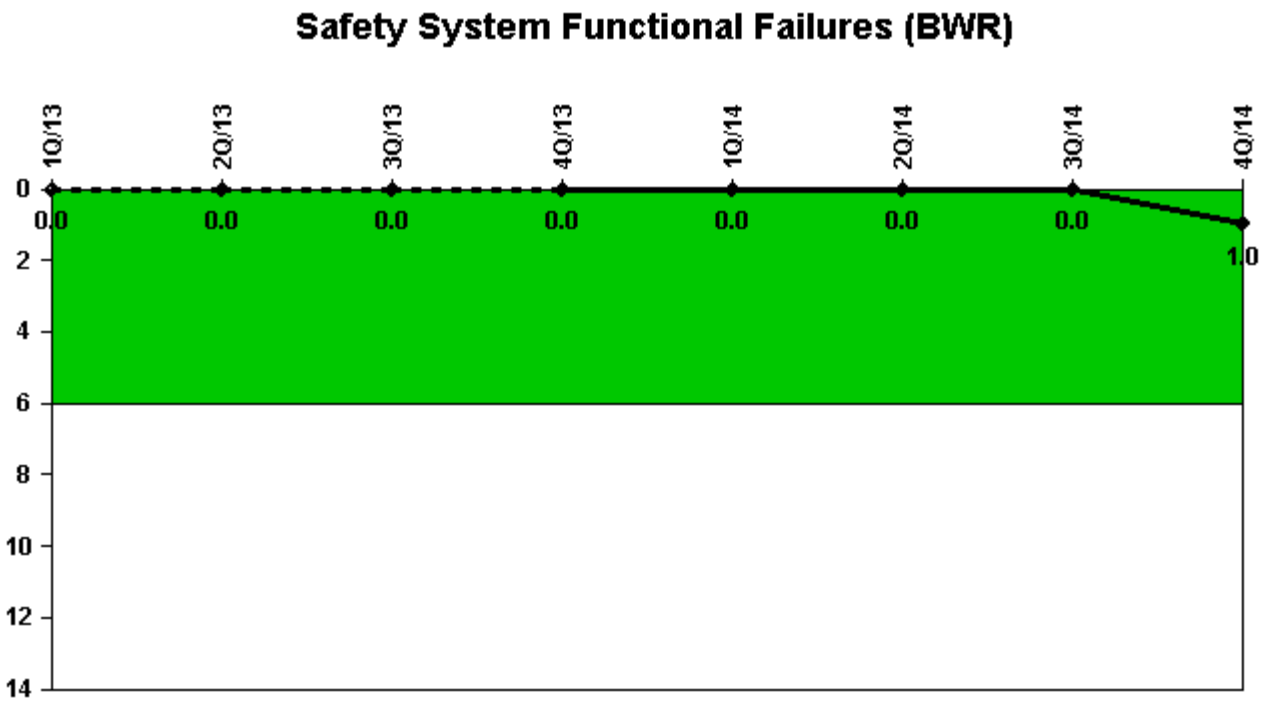


Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/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 > 6.0

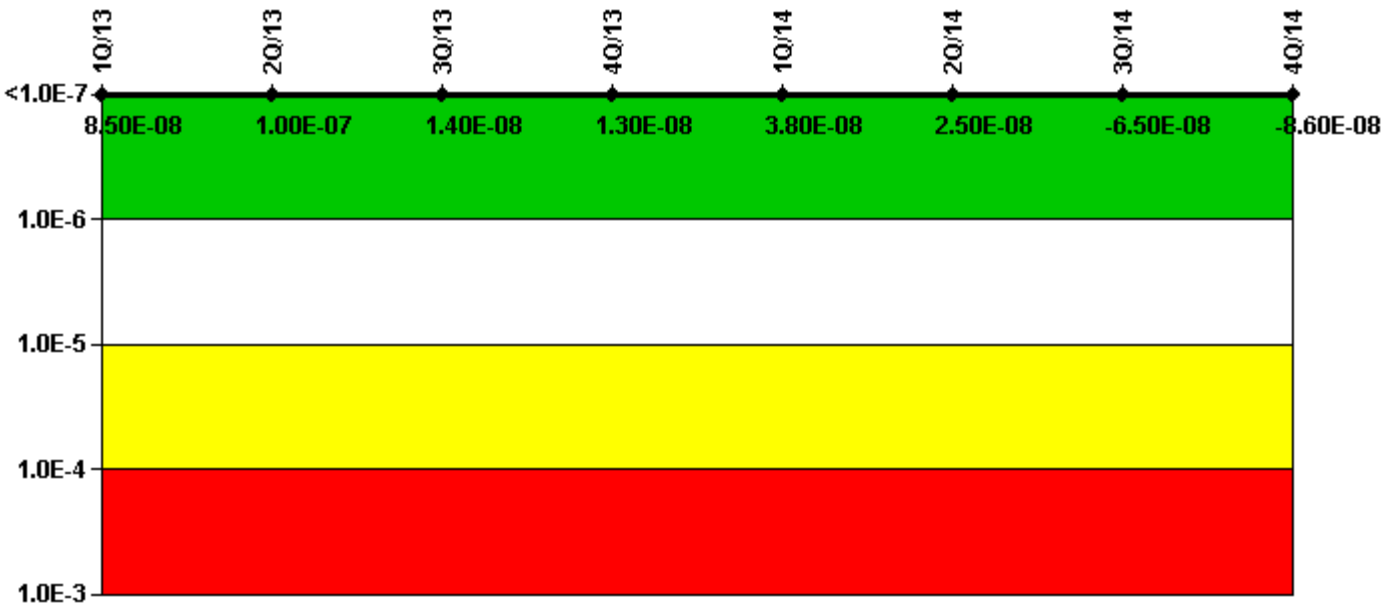
Notes

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

Licensee Comments:

4Q/14: LER 2-14-003 was submitted in December to report a primary containment function being lost due to exceeding the allowable leakage limit.

Mitigating Systems Performance Index, Emergency AC Power System



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

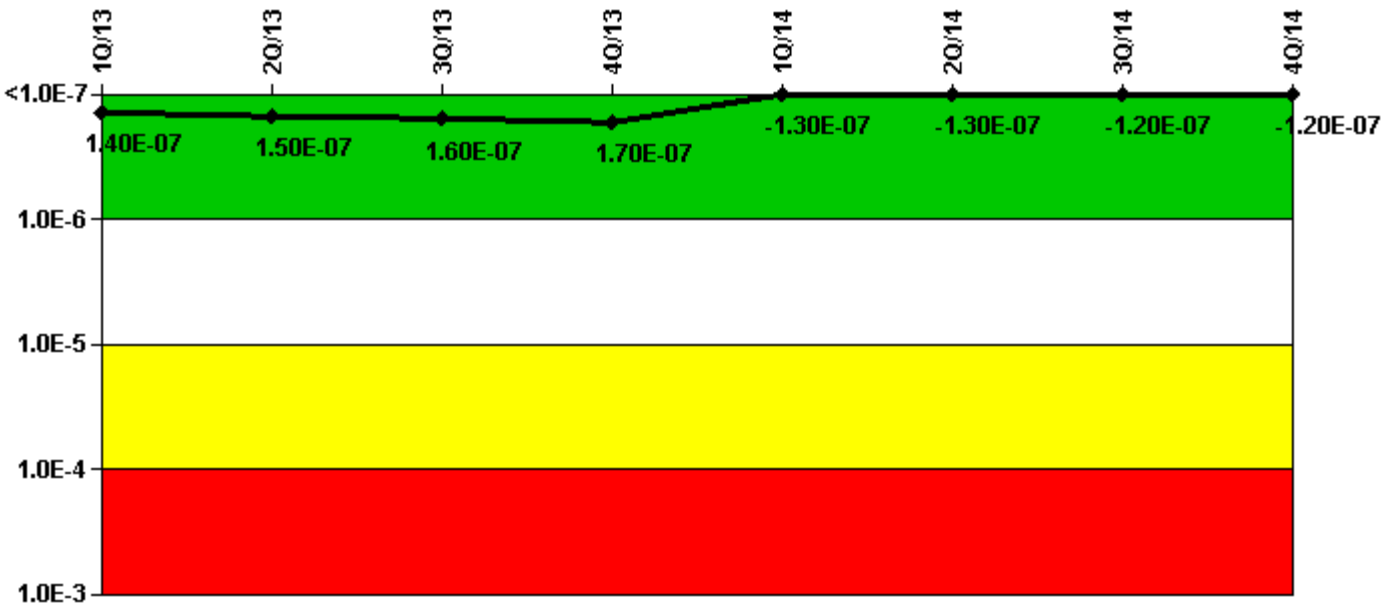
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	3.96E-08	5.19E-08	4.53E-08	4.38E-08	6.34E-08	4.45E-08	4.31E-08	1.95E-08
URI (ΔCDF)	4.57E-08	4.89E-08	-3.11E-08	-3.08E-08	-2.49E-08	-1.97E-08	-1.08E-07	-1.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.50E-08**	**1.00E-07**	**1.40E-08**	**1.30E-08**	**3.80E-08**	**2.50E-08**	**-6.50E-08**	**-8.60E-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



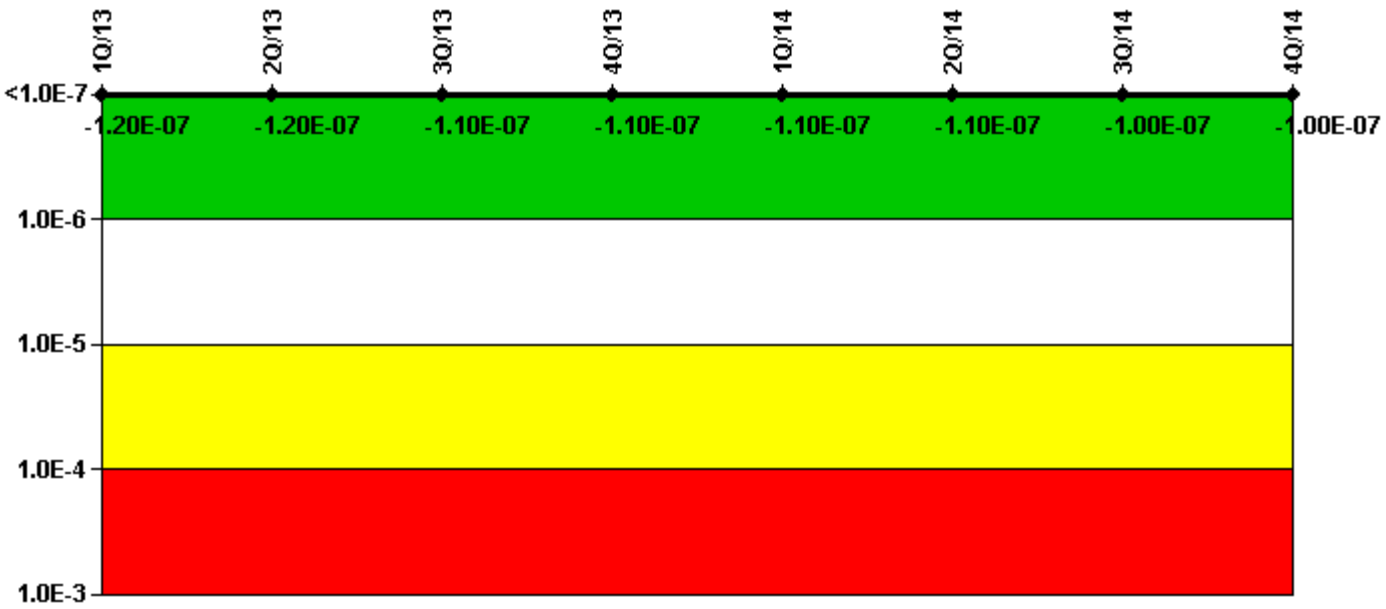
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	-1.57E-08	-1.57E-08	-1.63E-08	-1.65E-08	-2.74E-08	-2.74E-08	-2.74E-08	-2.63E-08
URI (ΔCDF)	1.60E-07	1.70E-07	1.80E-07	1.87E-07	-1.01E-07	-9.89E-08	-9.64E-08	-9.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-07**	**1.50E-07**	**1.60E-07**	**1.70E-07**	**-1.30E-07**	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



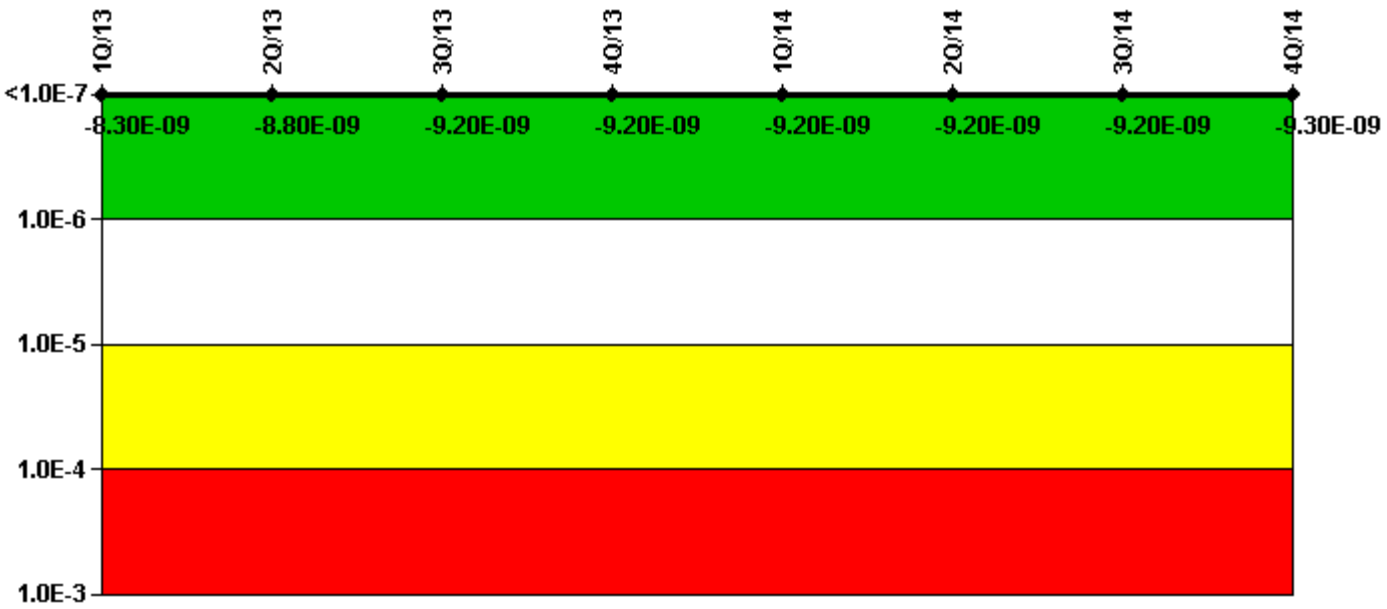
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	-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 (ΔCDF)	-8.65E-08	-8.40E-08	-8.14E-08	-7.95E-08	-7.75E-08	-7.55E-08	-7.35E-08	-7.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-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, 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	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	-1.94E-10	-1.94E-10	-1.94E-10	-1.94E-10	-1.94E-10	-1.94E-10	-1.94E-10	-2.86E-10
URI (ΔCDF)	-8.14E-09	-8.60E-09	-9.03E-09	-9.03E-09	-9.03E-09	-9.03E-09	-9.03E-09	-9.03E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.30E-09**	**-8.80E-09**	**-9.20E-09**	**-9.20E-09**	**-9.20E-09**	**-9.20E-09**	**-9.20E-09**	**-9.30E-09**

Licensee Comments:

4Q/14: Changed PRA Parameter(s). Change from monitoring 2 trains of RHR to 4 trains. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

3Q/14: Changed PRA Parameter(s). Change from monitoring 2 trains of RHR to 4 trains. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

2Q/14: Changed PRA Parameter(s). Change from monitoring 2 trains of RHR to 4 trains. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

1Q/14: Changed PRA Parameter(s). Change from monitoring 2 trains of RHR to 4 trains. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

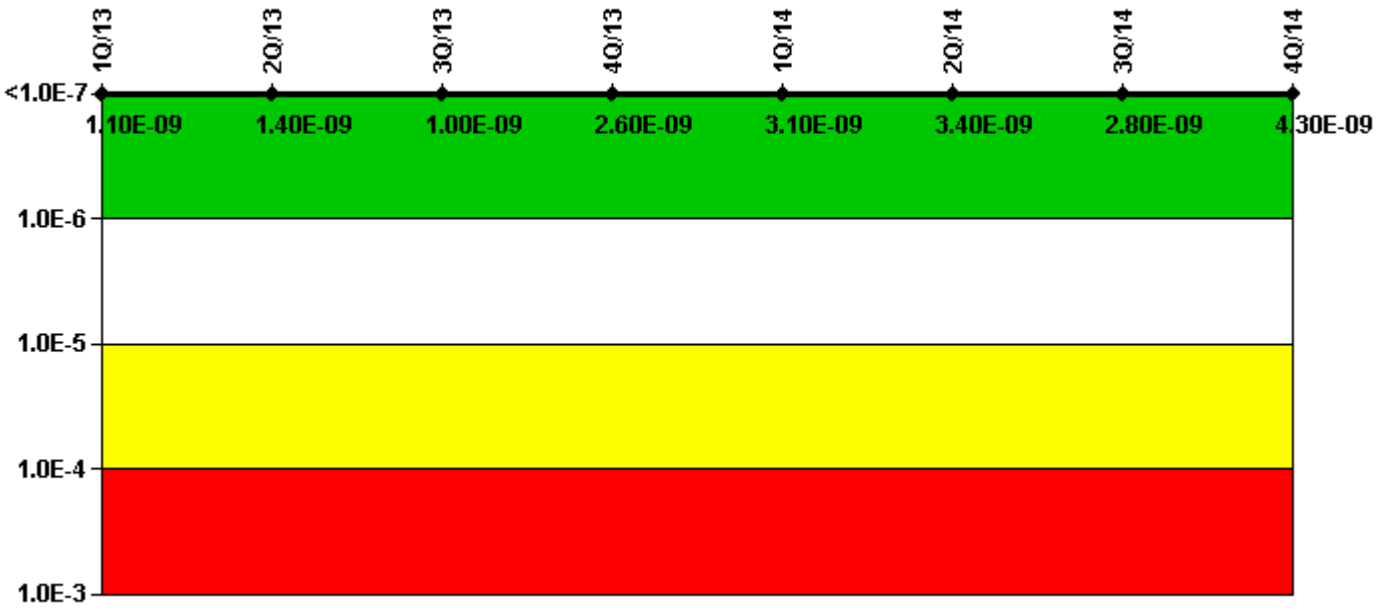
4Q/13: Changed PRA Parameter(s). Change from monitoring 2 trains of RHR to 4 trains. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

3Q/13: Changed PRA Parameter(s). Change from monitoring 2 trains of RHR to 4 trains. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

2Q/13: Changed PRA Parameter(s). Change from monitoring 2 trains of RHR to 4 trains. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

1Q/13: Changed PRA Parameter(s). Change from monitoring 2 trains of RHR to 4 trains. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

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	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	2.77E-09	2.99E-09	2.60E-09	3.62E-09	4.15E-09	4.38E-09	3.78E-09	5.30E-09
URI (ΔCDF)	-1.63E-09	-1.60E-09	-1.57E-09	-1.03E-09	-1.03E-09	-1.03E-09	-1.03E-09	-1.03E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-09**	**1.40E-09**	**1.00E-09**	**2.60E-09**	**3.10E-09**	**3.40E-09**	**2.80E-09**	**4.30E-09**

Licensee Comments:

4Q/14: Changed PRA Parameter(s). Change from monitoring 2 trains of HPSW to 4 segments. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

3Q/14: Changed PRA Parameter(s). Change from monitoring 2 trains of HPSW to 4 segments. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

2Q/14: Changed PRA Parameter(s). Change from monitoring 2 trains of HPSW to 4 segments. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

1Q/14: Changed PRA Parameter(s). Change from monitoring 2 trains of HPSW to 4 segments. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

4Q/13: Changed PRA Parameter(s). 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. No color change or threshold being exceeded. 1/2015 Change from monitoring 2 trains of HPSW to 4 segments. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

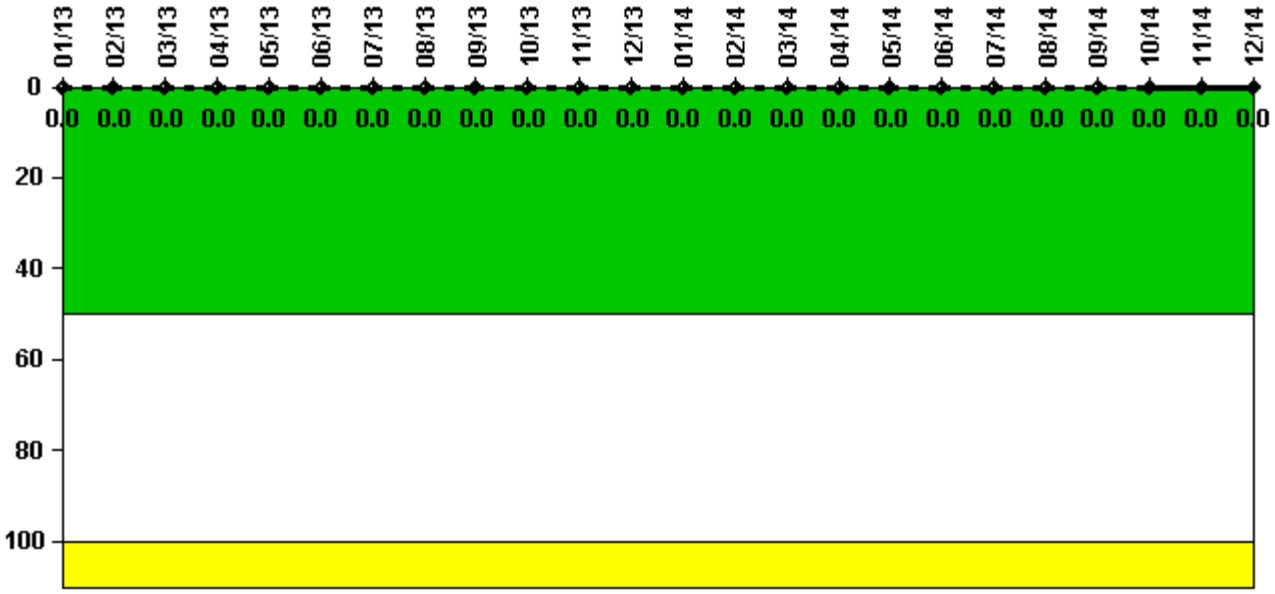
4Q/13: Update applies to 4Q2013 forward. There was an MSPI Failure for 2B HPSW Motor, 2BP042-DR, cooling coil due to high moisture content on 12/09/2013. This impacted 4Q2013 and 1Q2014 data. This did not result in a color change or threshold being exceeded.

3Q/13: Changed PRA Parameter(s). Change from monitoring 2 trains of HPSW to 4 segments. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

2Q/13: Changed PRA Parameter(s). Change from monitoring 2 trains of HPSW to 4 segments. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

1Q/13: Changed PRA Parameter(s). Change from monitoring 2 trains of HPSW to 4 segments. Corresponding PRA values revised to reflect the change in train boundaries as documented in the MSPI Basis Document Rev 9.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

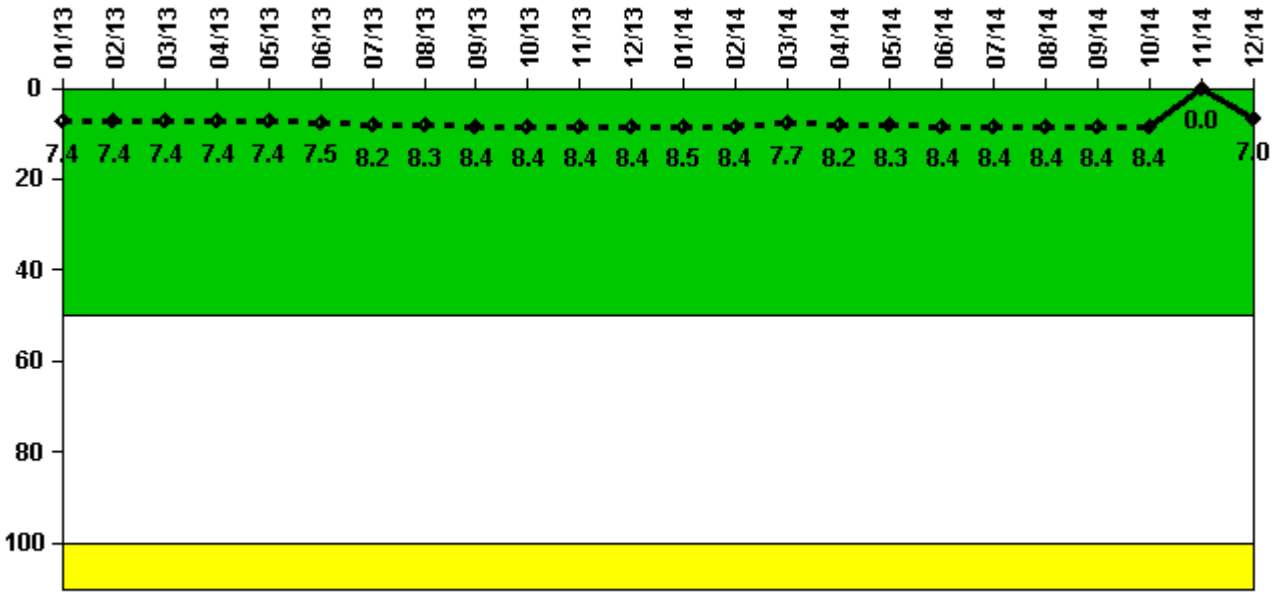
Notes

Reactor Coolant System Activity	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum activity	0.000018	0.000017	0.000020	0.000017	0.000018	0.000019	0.000019	0.000019	0.000018	0.000018	0.000018	0.000018
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	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum activity	0.000020	0.000019	0.000021	0.000020	0.000018	0.000022	0.000021	0.000023	0.000019	0.000019	0	0.000025
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

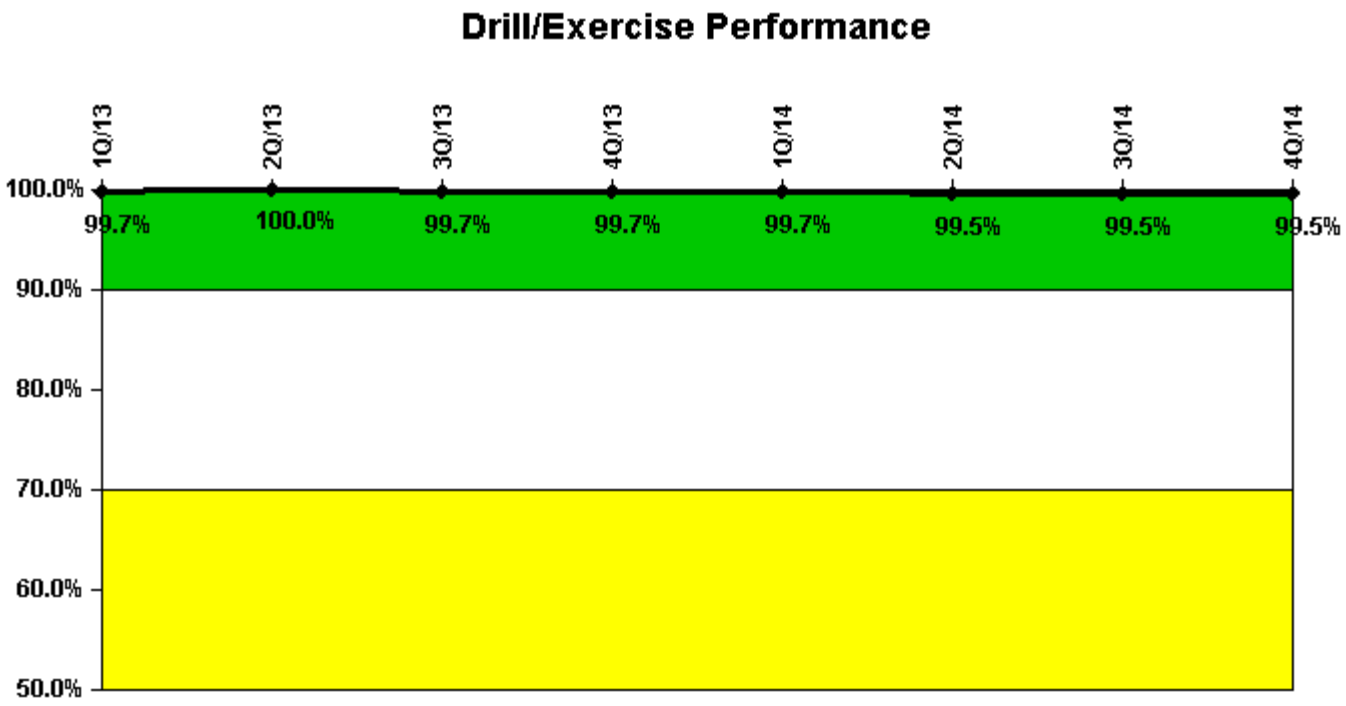


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	1.840	1.840	1.860	1.850	1.850	1.880	2.060	2.070	2.090	2.110	2.100	2.100
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	**7.4**	**7.4**	**7.4**	**7.4**	**7.4**	**7.5**	**8.2**	**8.3**	**8.4**	**8.4**	**8.4**	**8.4**
Reactor Coolant System Leakage	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum leakage	2.130	2.090	1.930	2.060	2.070	2.090	2.100	2.090	2.090	2.090	0	1.740
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	**8.5**	**8.4**	**7.7**	**8.2**	**8.3**	**8.4**	**8.4**	**8.4**	**8.4**	**8.4**	**0**	**7.0**

Licensee Comments: none



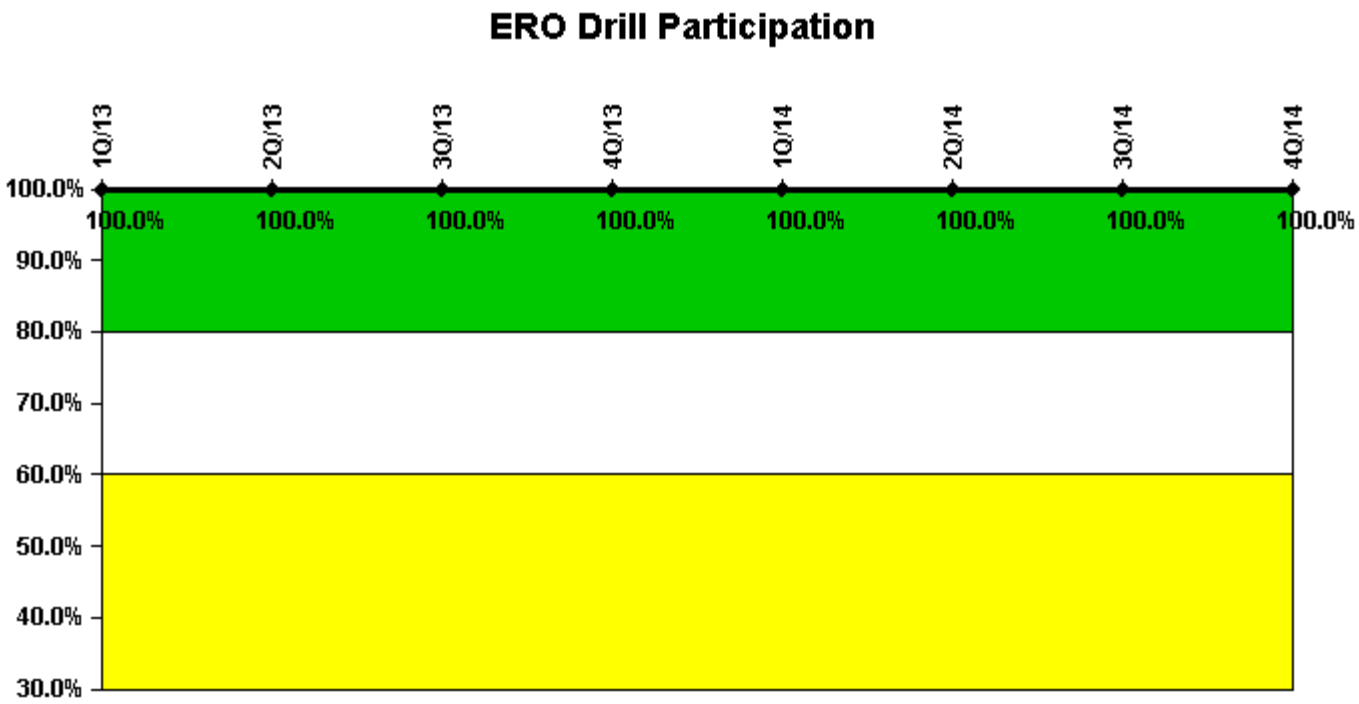
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	81.0	71.0	9.0	27.0	106.0	46.0	34.0	0
Total opportunities	81.0	71.0	10.0	27.0	106.0	47.0	34.0	0
Indicator value	**99.7%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.5%**	**99.5%**	**99.5%**

Licensee Comments:

2Q/14: Data correction for June NRC Drill and Exercise (DEP) data. No change in PI threshold color.

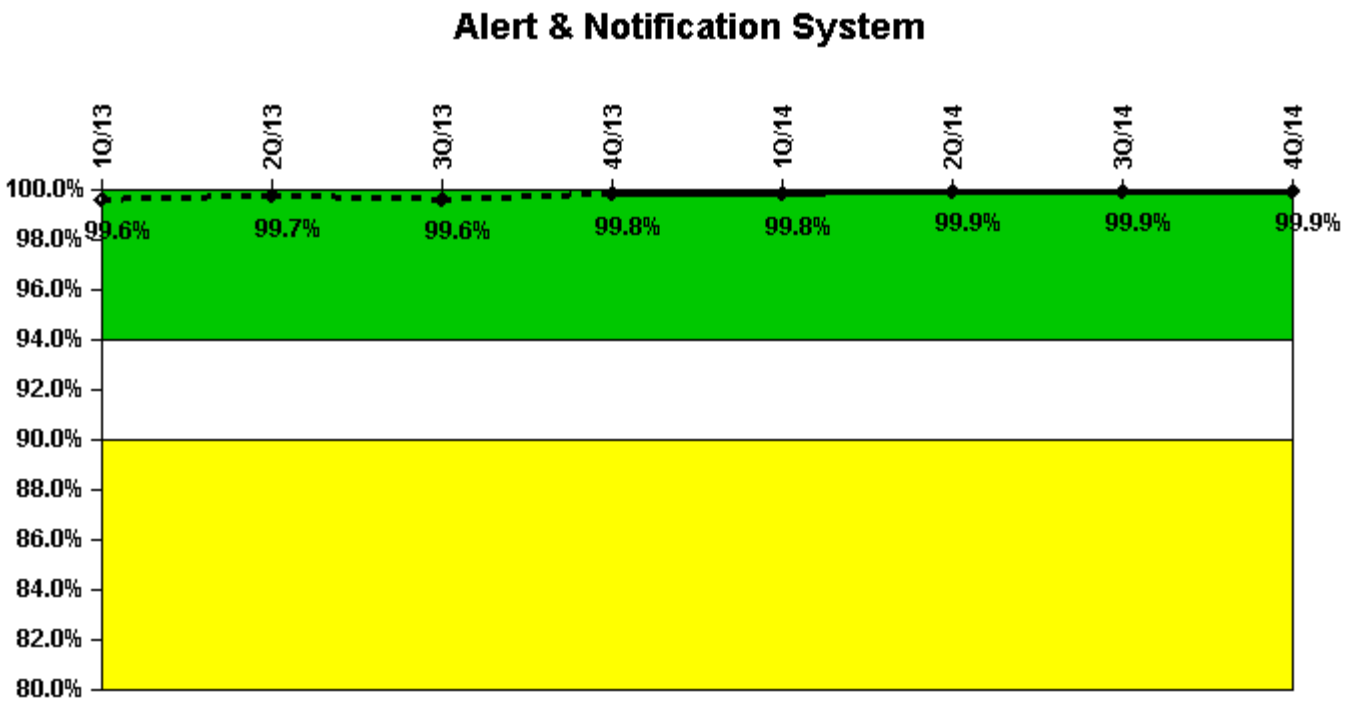


Thresholds: White < 80.0% Yellow < 60.0%

Notes

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

Licensee Comments: none



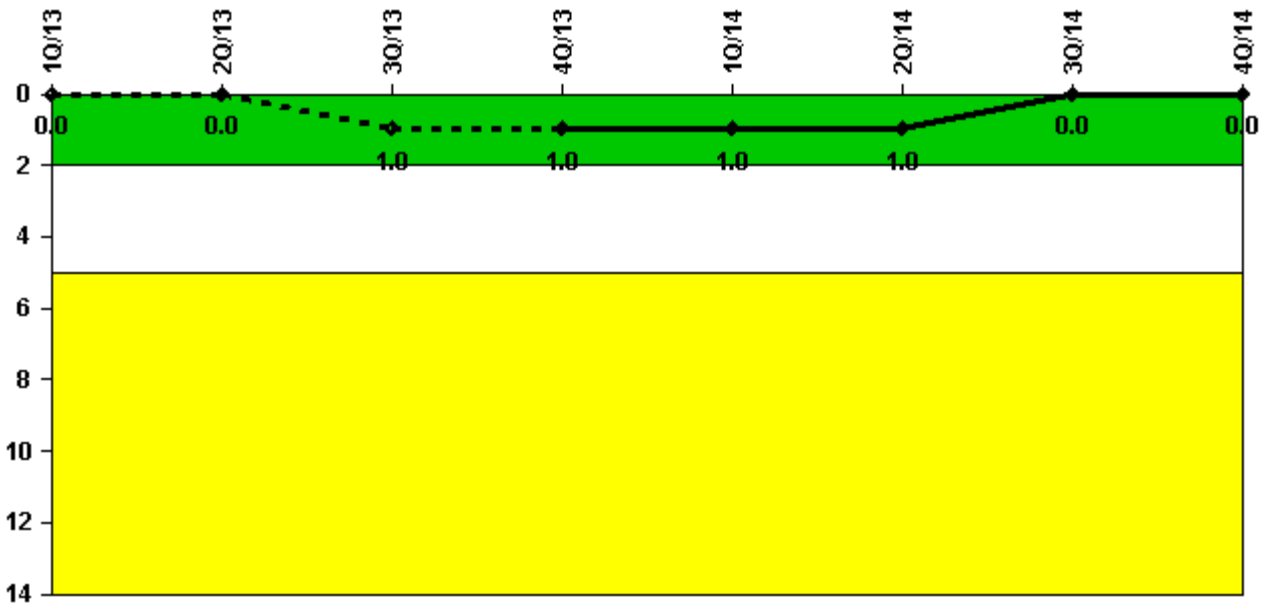
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	1256	1259	1256	1261	1260	1261	1258	1356
Total sirens-tests	1261	1261	1261	1261	1261	1261	1261	1358
Indicator value	**99.6%**	**99.7%**	**99.6%**	**99.8%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

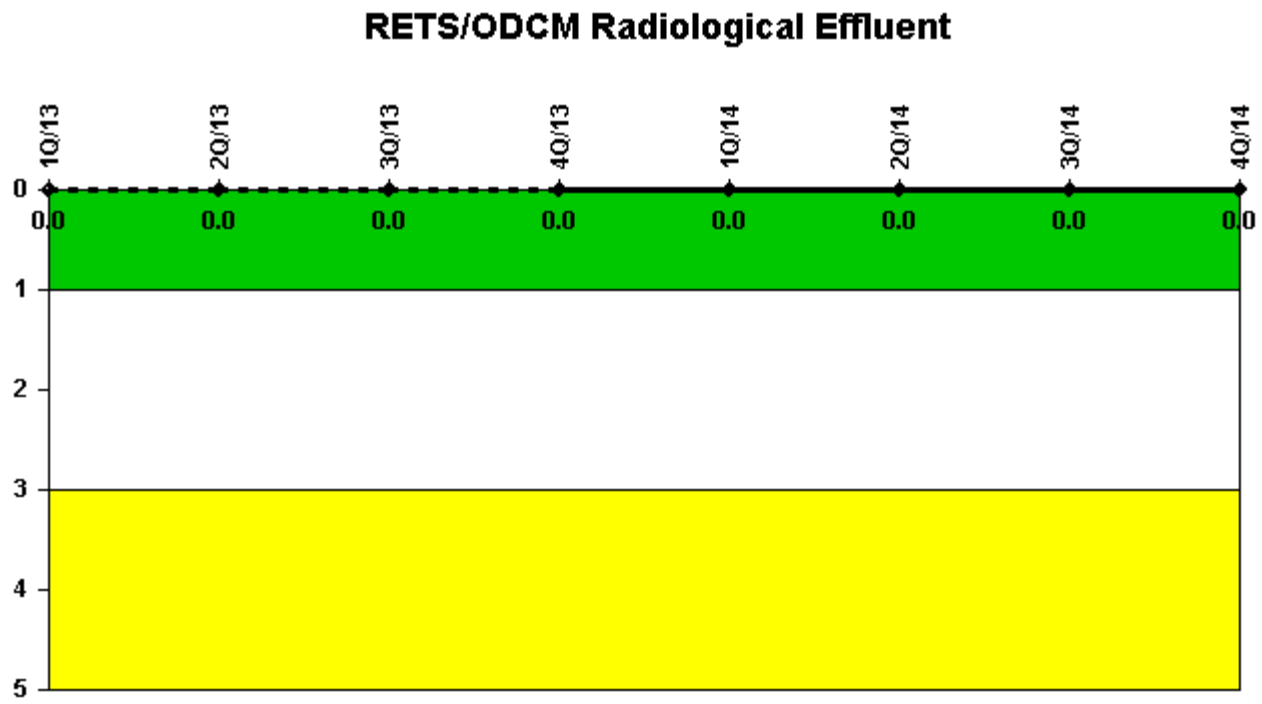


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/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: February 3, 2015