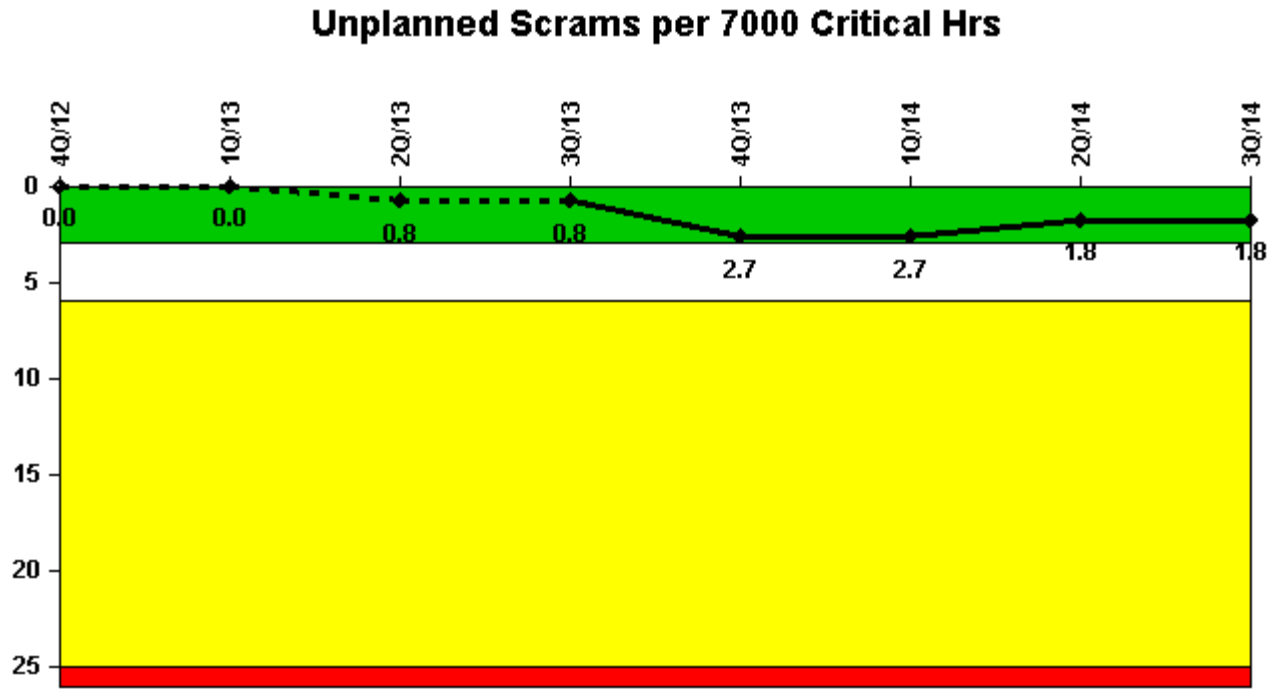
Hope Creek 1

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

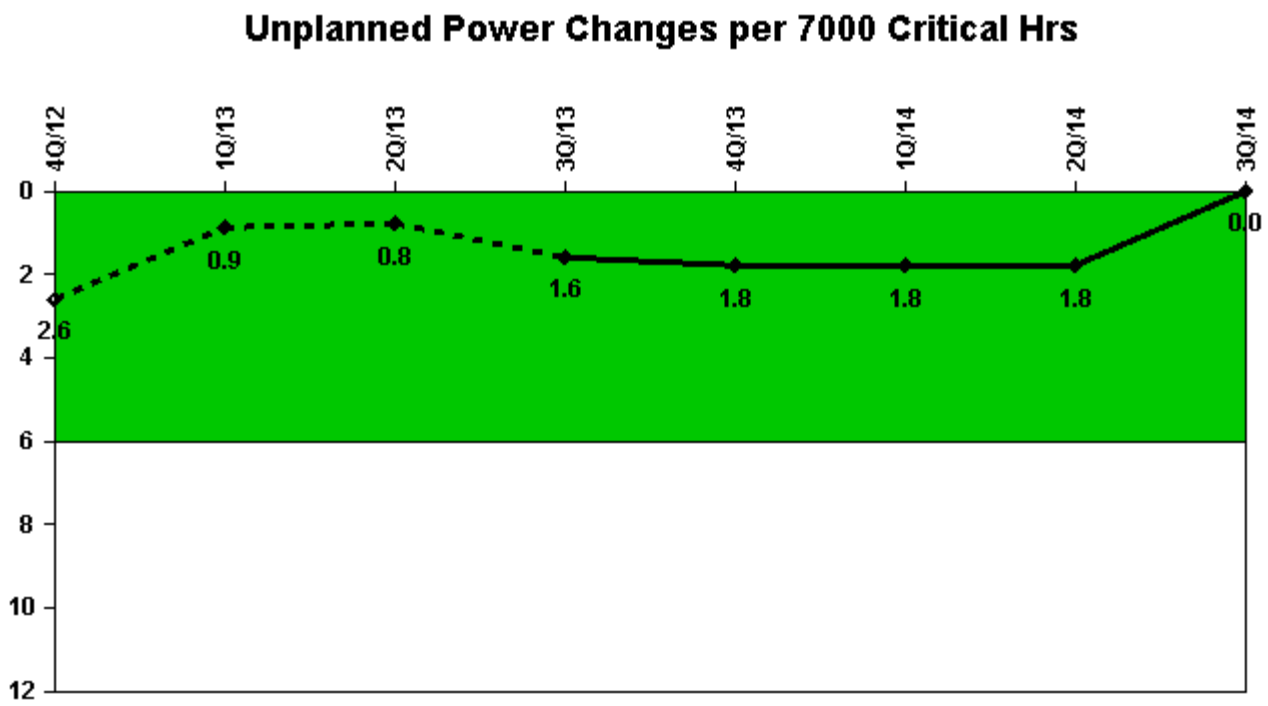


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned scrams	0	0	1.0	0	2.0	0	0	0
Critical hours	2209.0	2159.0	2063.6	2208.0	1430.8	2159.0	2184.0	2102.8
Indicator value	**0**	**0**	**0.8**	**0.8**	**2.7**	**2.7**	**1.8**	**1.8**

Licensee Comments: none

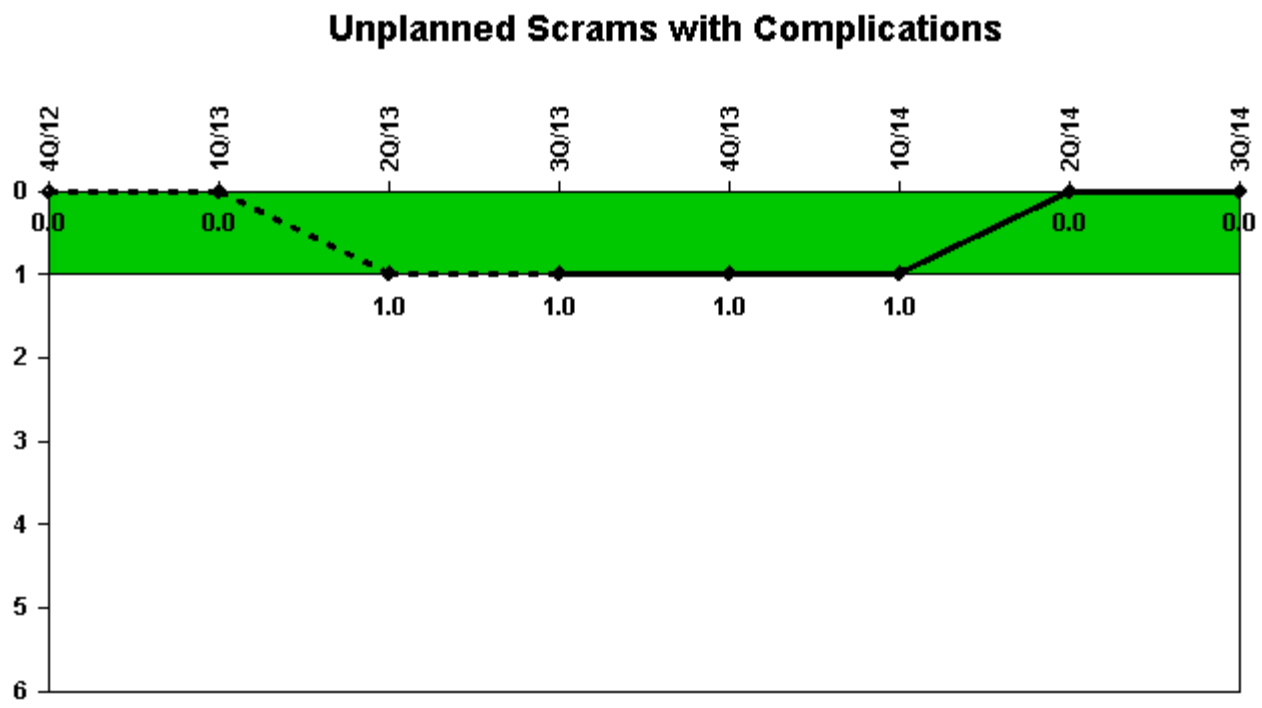


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	0	2.0	0	0	0	0
Critical hours	2209.0	2159.0	2063.6	2208.0	1430.8	2159.0	2184.0	2102.8
Indicator value	**2.6**	**0.9**	**0.8**	**1.6**	**1.8**	**1.8**	**1.8**	**0**

Licensee Comments: none

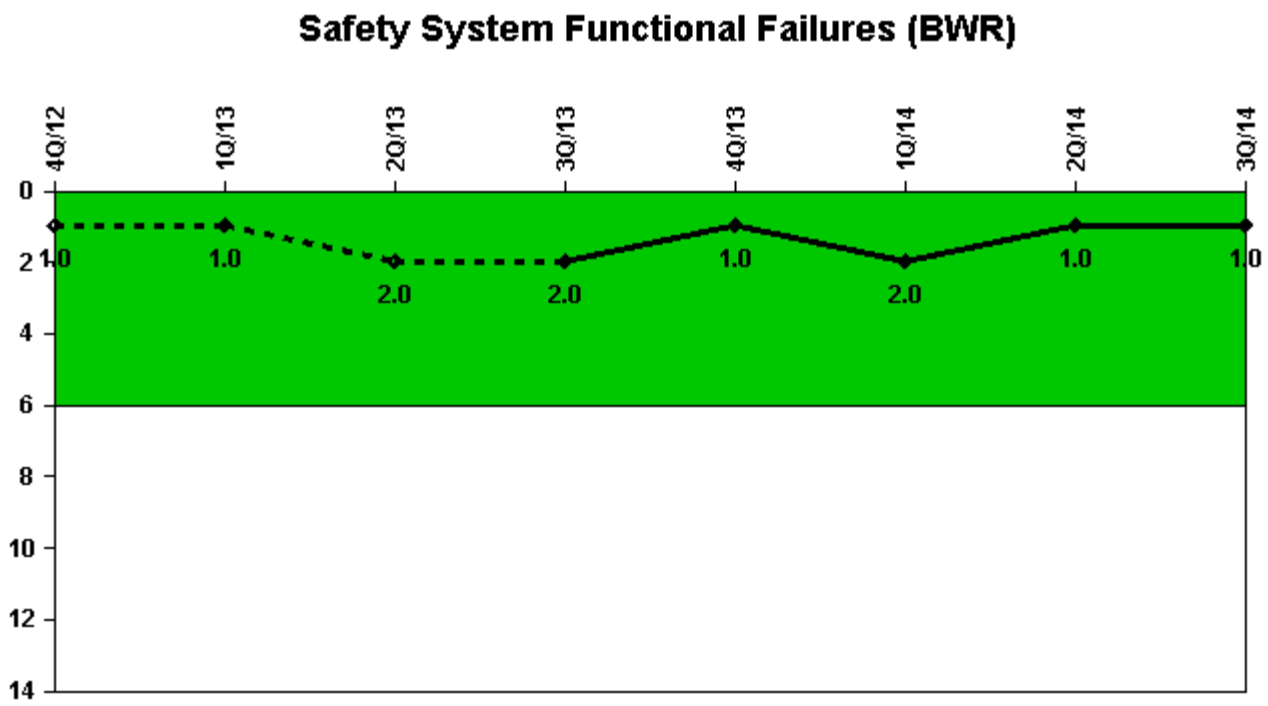


Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Scrams with complications	0	0	1.0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**	**0.0**	**0.0**

Licensee Comments: none



Thresholds: White > 6.0

Notes

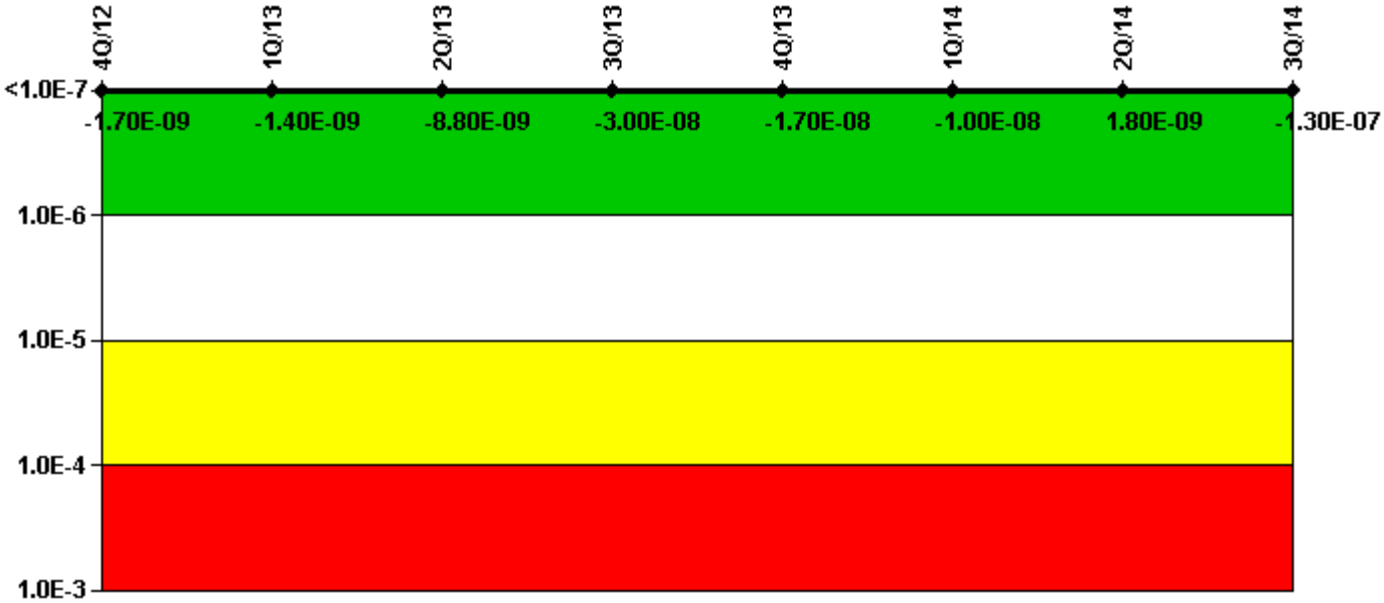
Safety System Functional Failures (BWR)	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Safety System Functional Failures	1	0	1	0	0	1	0	0
Indicator value	**1**	**1**	**2**	**2**	**1**	**2**	**1**	**1**

Licensee Comments:

2Q/13: LER 2013-001 submitted June 5, 2013 for HPCI being declared Inoperable

4Q/12: Hope Creek LER 2012-006 was submitted on 10/31/12. The LER reported the inoperability of HPCI due to the failure of the HPCI steam admission valve (F-001). This was a safety system functional failure.

Mitigating Systems Performance Index, Emergency AC Power System



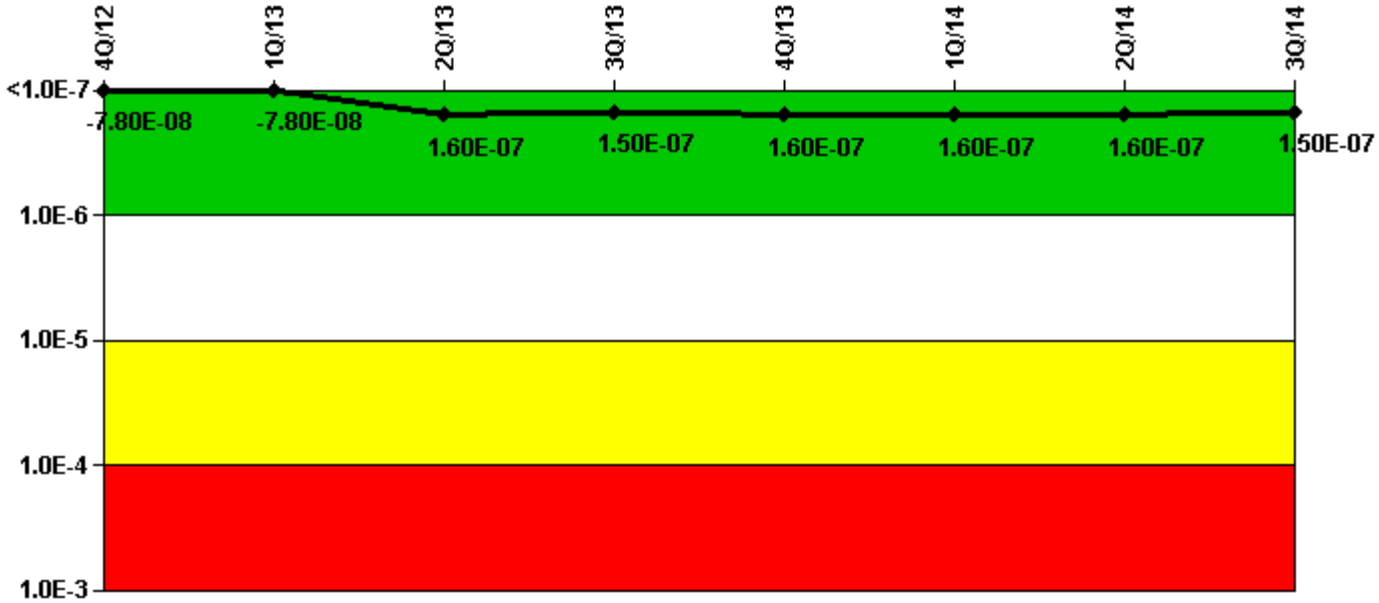
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	3.54E-08	3.22E-08	1.25E-08	-4.41E-09	3.29E-09	5.67E-09	1.45E-08	7.61E-09
URI (ΔCDF)	-3.71E-08	-3.36E-08	-2.14E-08	-2.61E-08	-2.03E-08	-1.59E-08	-1.27E-08	-1.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-09**	**-1.40E-09**	**-8.80E-09**	**-3.00E-08**	**-1.70E-08**	**-1.00E-08**	**1.80E-09**	**-1.30E-07**

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/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-3.03E-08	-3.03E-08	-3.03E-08	-3.03E-08	-3.03E-08	-3.03E-08	-3.03E-08	-3.03E-08
URI (ΔCDF)	-4.74E-08	-4.73E-08	1.86E-07	1.80E-07	1.91E-07	1.92E-07	1.86E-07	1.85E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.80E-08**	**-7.80E-08**	**1.60E-07**	**1.50E-07**	**1.60E-07**	**1.60E-07**	**1.60E-07**	**1.50E-07**

Licensee Comments:

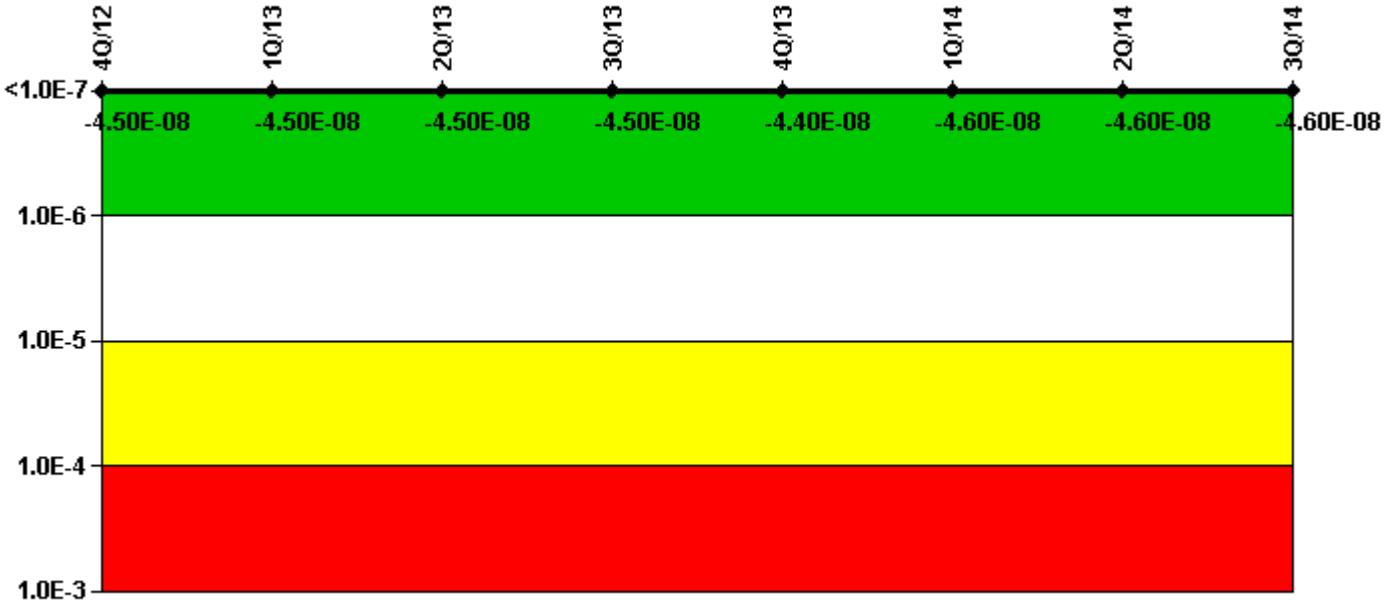
4Q/13: April event under ICES report 305385 is now being counted as a failure to start until FAQ is resolved. No color change occured for this PI; it remains GREEN.

3Q/13: April event under ICES report 305385 is now being counted as a failure to start until FAQ is resolved. No color change occured for this PI; it remains GREEN

3Q/13: A second quarter 'Failure to Start' is being evaluated. A FAQ is being Submitted

2Q/13: April event under ICES report 305385 is now being counted as a failure to start until FAQ is resolved. No color change occured for this PI, it remains GREEN.

Mitigating Systems Performance Index, Heat Removal System



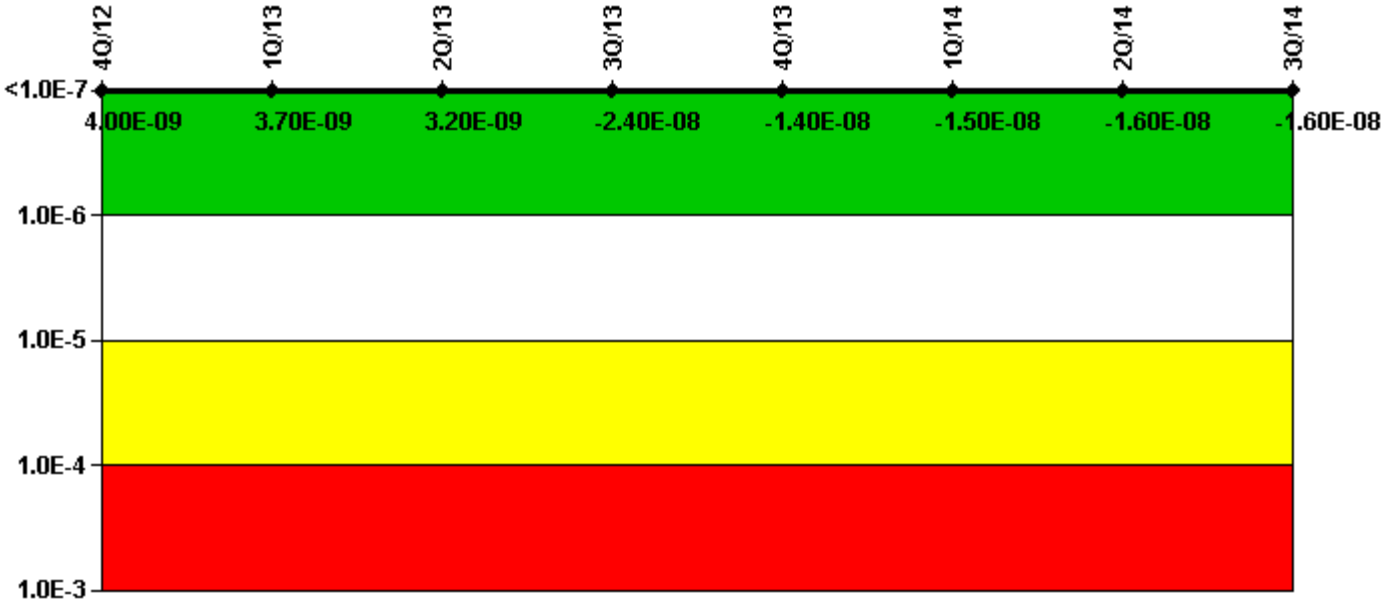
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-1.16E-08	-1.16E-08	-1.16E-08	-1.16E-08	-1.16E-08	-1.16E-08	-1.16E-08	-1.16E-08
URI (ΔCDF)	-3.34E-08	-3.34E-08	-3.32E-08	-3.32E-08	-3.23E-08	-3.45E-08	-3.44E-08	-3.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.50E-08**	**-4.50E-08**	**-4.50E-08**	**-4.50E-08**	**-4.40E-08**	**-4.60E-08**	**-4.60E-08**	**-4.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



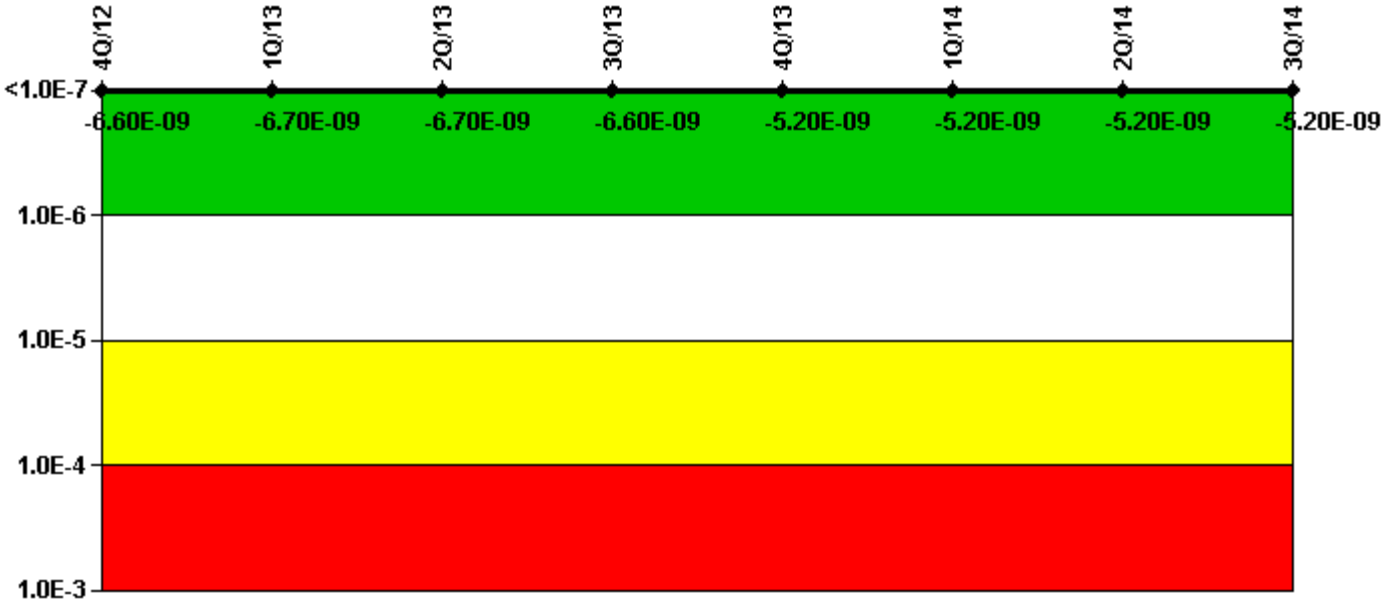
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-3.26E-09	-3.26E-09	-3.26E-09	-3.45E-09	-3.43E-09	-3.43E-09	-3.43E-09	-1.49E-09
URI (ΔCDF)	7.26E-09	6.94E-09	6.47E-09	-2.06E-08	-1.09E-08	-1.11E-08	-1.24E-08	-1.46E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.00E-09**	**3.70E-09**	**3.20E-09**	**-2.40E-08**	**-1.40E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



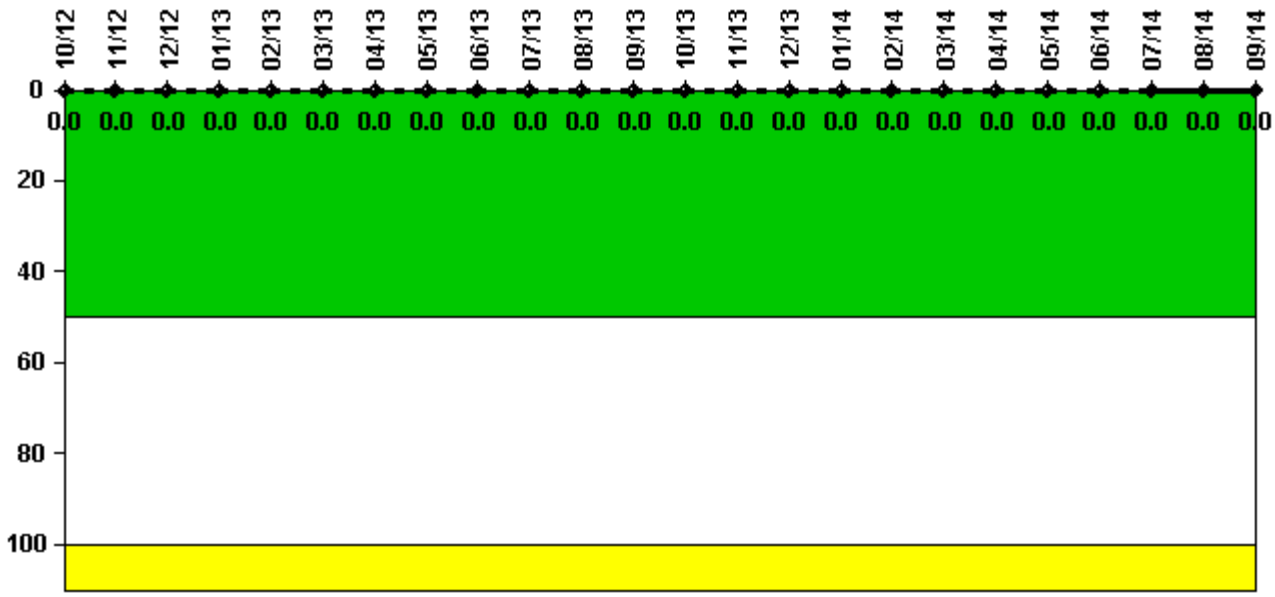
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-3.66E-09	-3.81E-09	-3.82E-09	-3.73E-09	-3.72E-09	-3.76E-09	-3.80E-09	-3.81E-09
URI (ΔCDF)	-2.90E-09	-2.89E-09	-2.88E-09	-2.91E-09	-1.48E-09	-1.48E-09	-1.42E-09	-1.41E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.60E-09**	**-6.70E-09**	**-6.70E-09**	**-6.60E-09**	**-5.20E-09**	**-5.20E-09**	**-5.20E-09**	**-5.20E-09**

Licensee Comments: none

Reactor Coolant System Activity

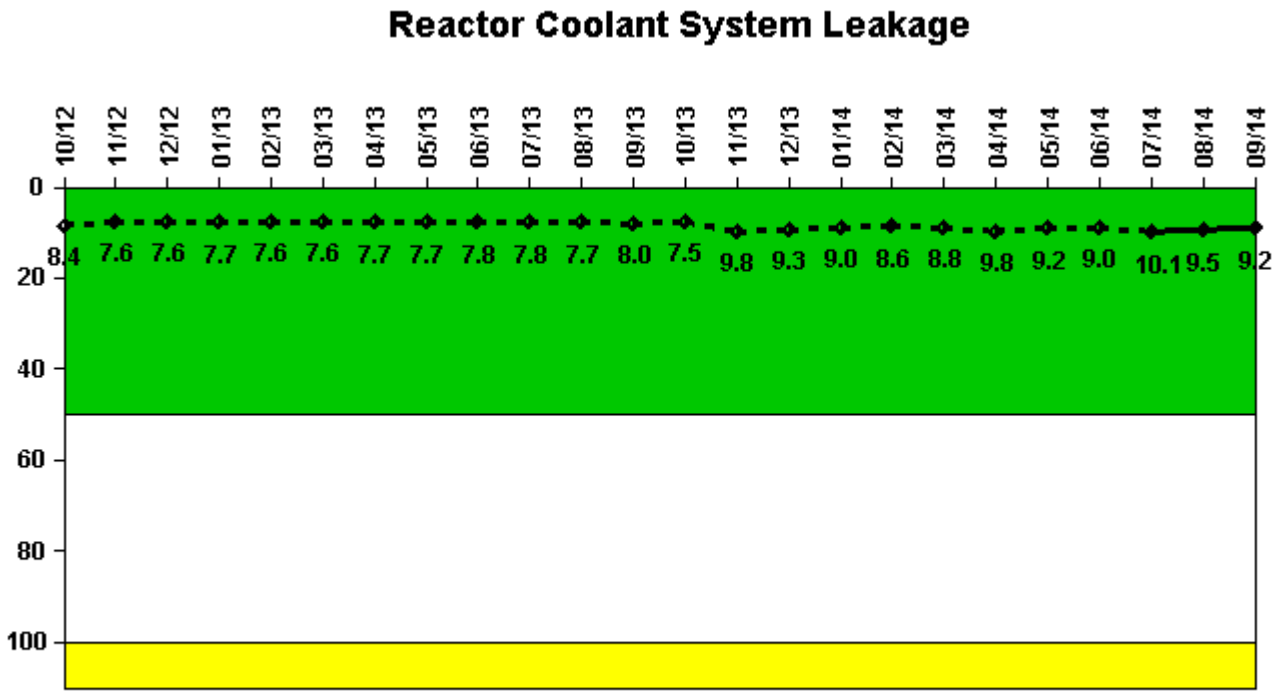


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum activity	0.000040	0.000037	0.000059	0.000063	0.000042	0.000038	0.000039	0.000039	0.000041	0.000034	0.000031	0.000039
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	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum activity	0.000041	0.000039	0.000042	0.000061	0.000043	0.000044	0.000037	0.000039	0.000035	0.000038	0.000036	0.000038
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

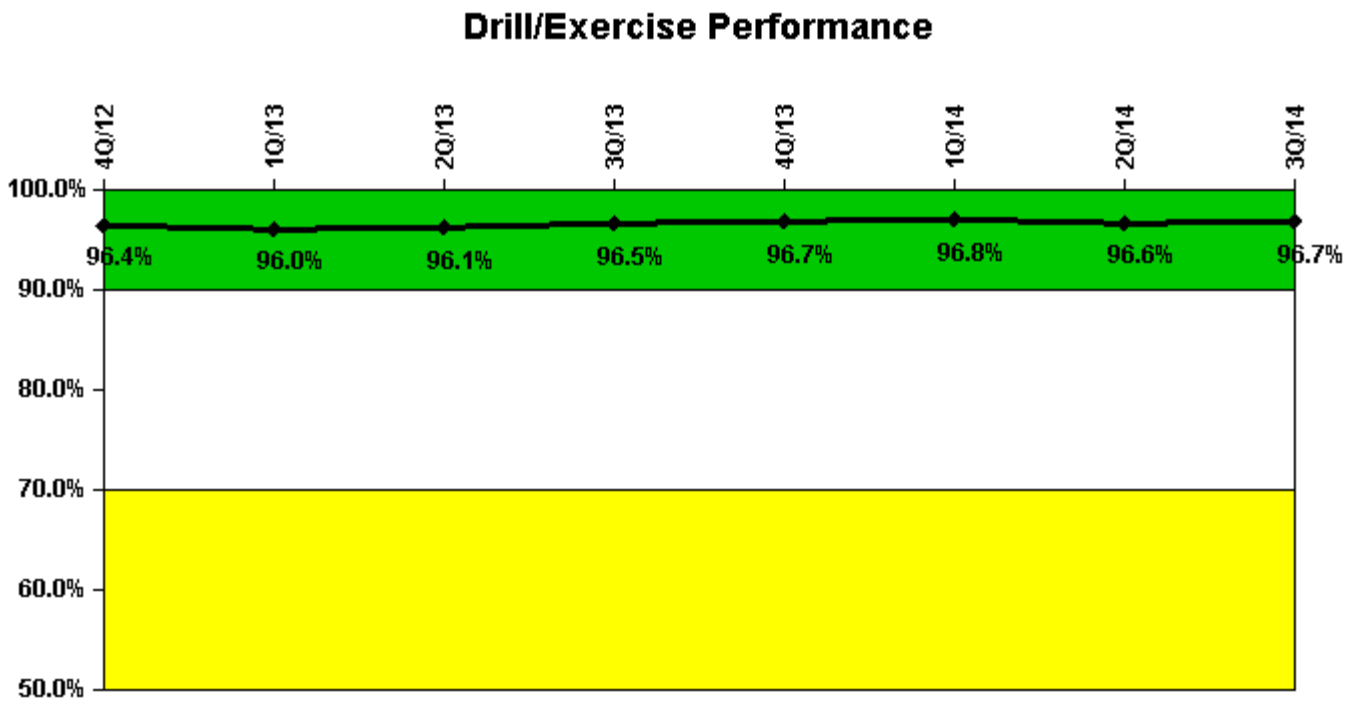


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum leakage	2.100	1.910	1.910	1.920	1.910	1.900	1.920	1.930	1.940	1.960	1.920	1.990
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	**8.4**	**7.6**	**7.6**	**7.7**	**7.6**	**7.6**	**7.7**	**7.7**	**7.8**	**7.8**	**7.7**	**8.0**
Reactor Coolant System Leakage	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum leakage	1.870	2.460	2.330	2.250	2.160	2.200	2.450	2.300	2.250	2.530	2.370	2.290
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	**7.5**	**9.8**	**9.3**	**9.0**	**8.6**	**8.8**	**9.8**	**9.2**	**9.0**	**10.1**	**9.5**	**9.2**

Licensee Comments: none



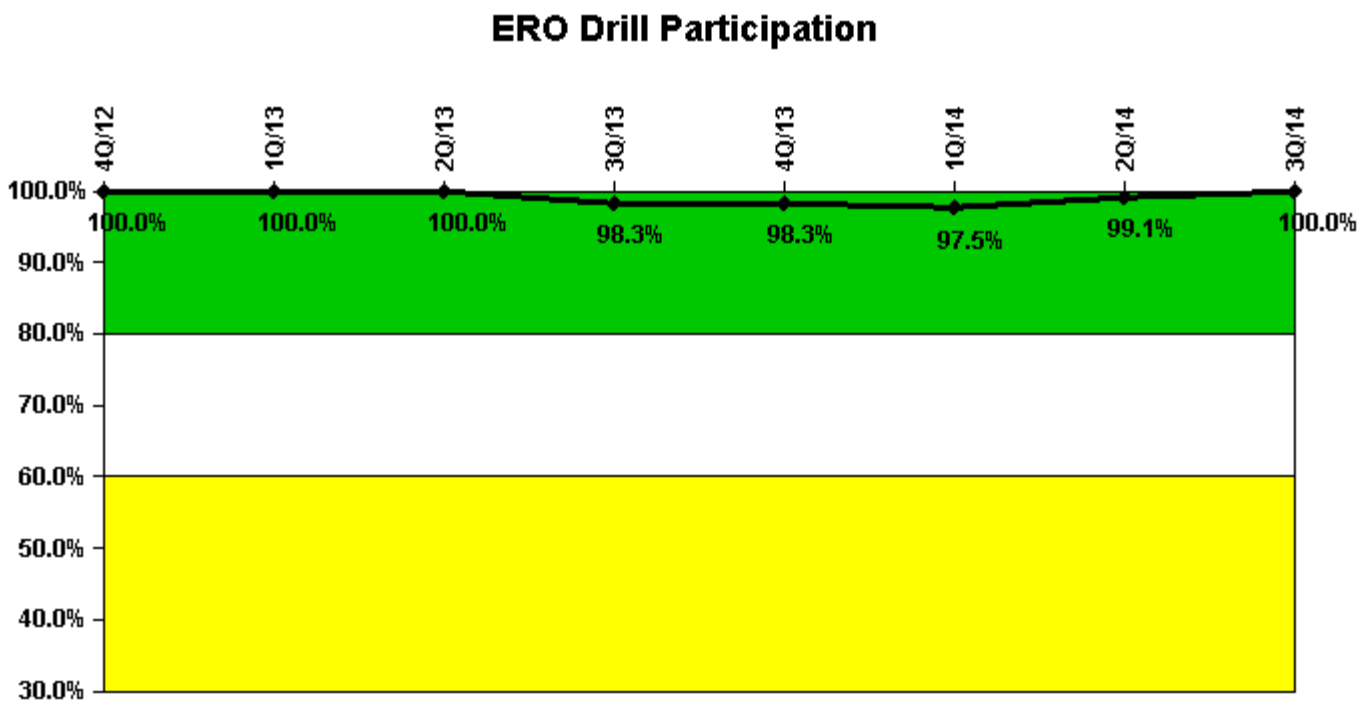
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful opportunities	31.0	31.0	19.0	48.0	29.0	41.0	34.0	58.0
Total opportunities	33.0	33.0	19.0	50.0	30.0	42.0	35.0	59.0
Indicator value	**96.4%**	**96.0%**	**96.1%**	**96.5%**	**96.7%**	**96.8%**	**96.6%**	**96.7%**

Licensee Comments:

3Q/13: As a result of a Focused Area Self Assessment the PI Data for this quarter corrected/reduced by 5 notification opportunities in Salem simulator due to not having sufficient supporting documentation for credit. Result of correction did not significantly impact overall performance percentage. No change in color. Notification 20643482 initiated in Corrective Action Program.



Thresholds: White < 80.0% Yellow < 60.0%

Notes

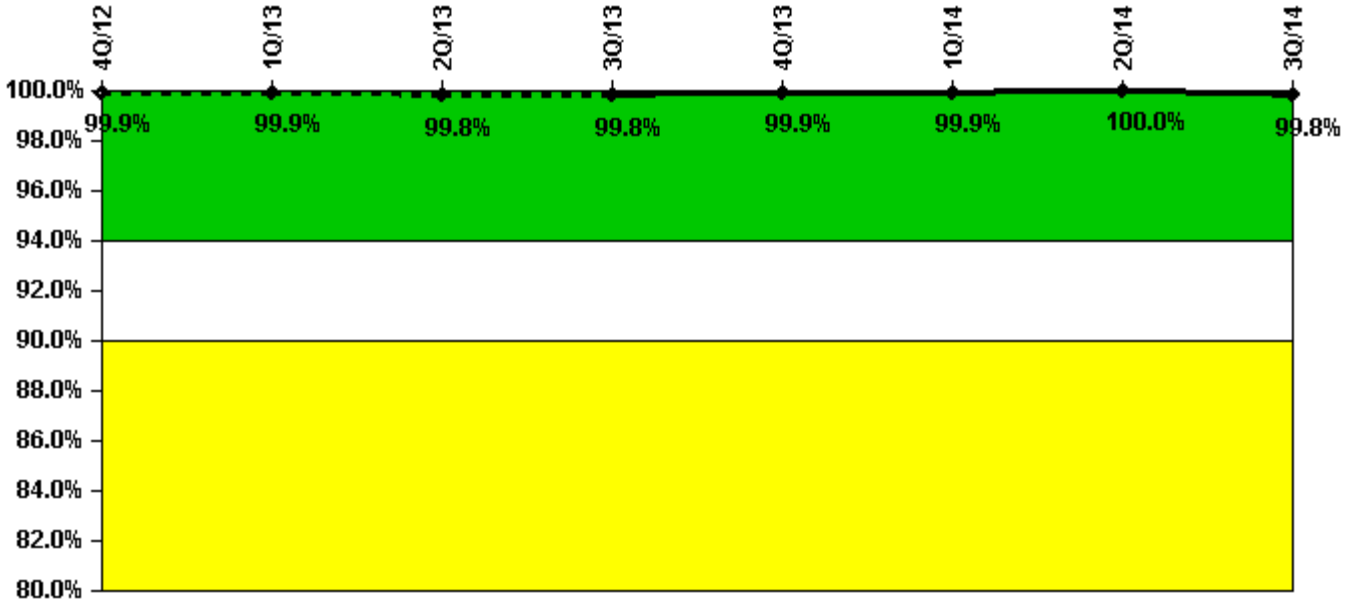
ERO Drill Participation	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Participating Key personnel	123.0	122.0	118.0	117.0	116.0	117.0	111.0	116.0
Total Key personnel	123.0	122.0	118.0	119.0	118.0	120.0	112.0	116.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**98.3%**	**98.3%**	**97.5%**	**99.1%**	**100.0%**

Licensee Comments:

4Q/13: As a result of a Focused Area Self Assessment the number of Participating Key Personnel was corrected/reduced by 2. After review it was determined that two individuals did not participate in a Performance Enhancing Experience. Result of correction did not significantly impact overall performance percentage. No change in color. Notification 20643482 initiated in Corrective Action Program.

3Q/13: As a result of a Focused Area Self Assessment the number of Participating Key Personnel was corrected/reduced by 2. After review it was determined that two individuals did not participate in a Performance Enhancing Experience. Result of correction did not significantly impact overall performance percentage. No change in color. Notification 20643482 initiated in Corrective Action Program.

Alert & Notification System

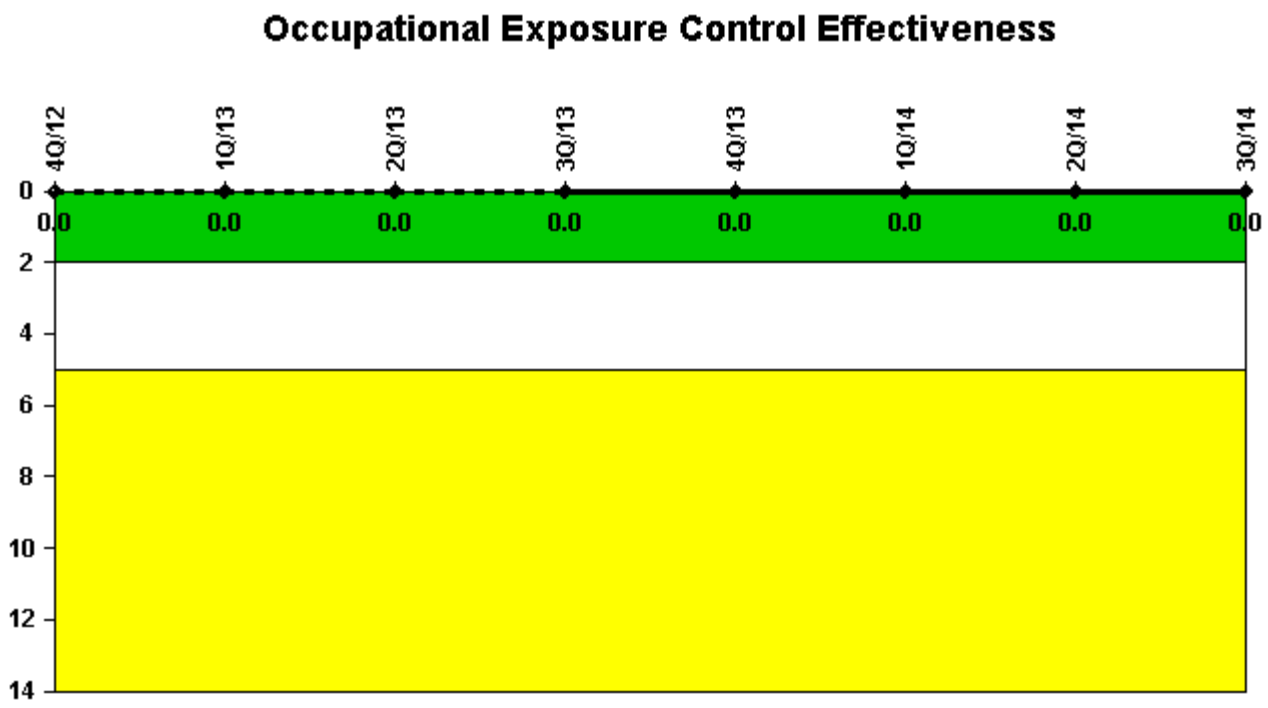


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests	496	497	495	497	497	497	497	494
Total sirens-tests	497	497	497	497	497	497	497	497
Indicator value	**99.9%**	**99.9%**	**99.8%**	**99.8%**	**99.9%**	**99.9%**	**100.0%**	**99.8%**

Licensee Comments: none

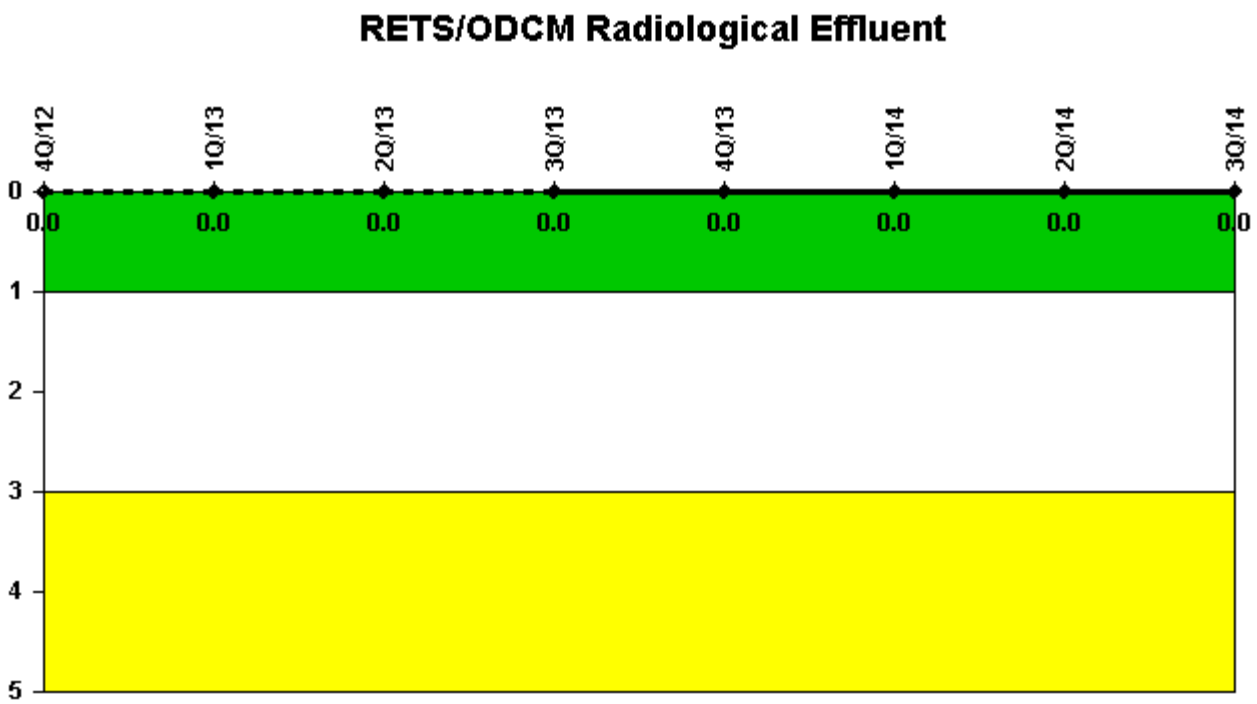


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/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	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/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: November 3, 2014