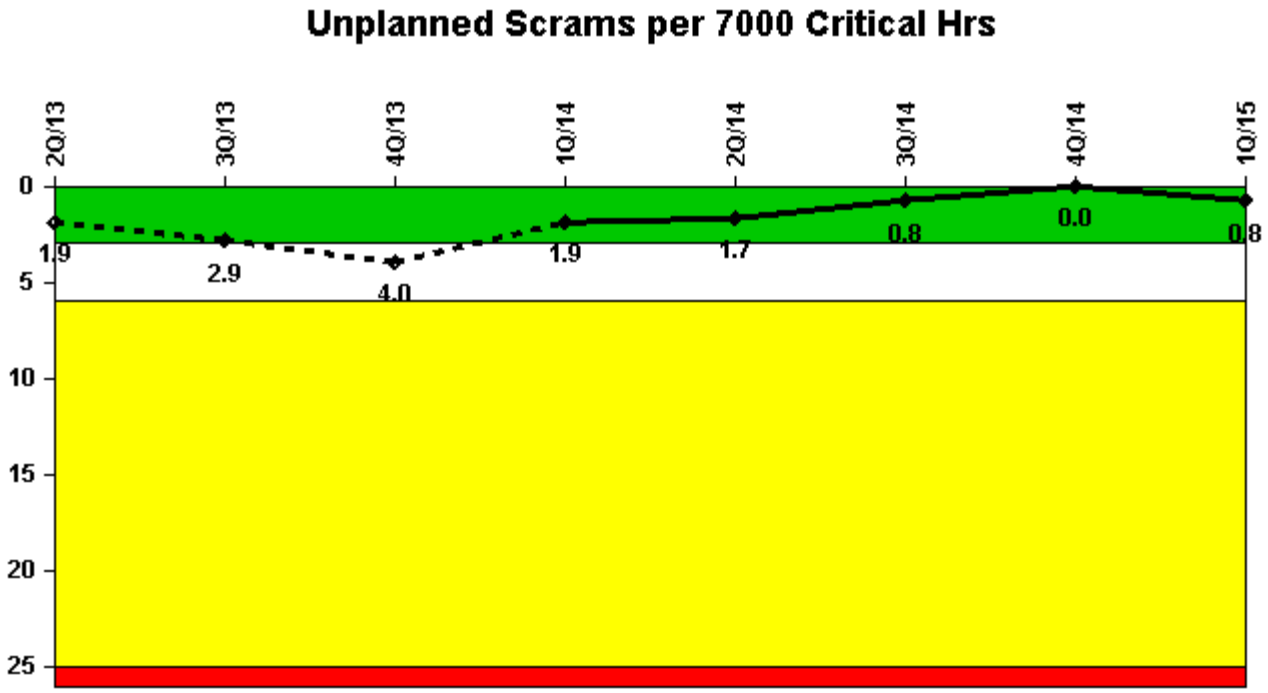
Pilgrim 1

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Additional failures documented

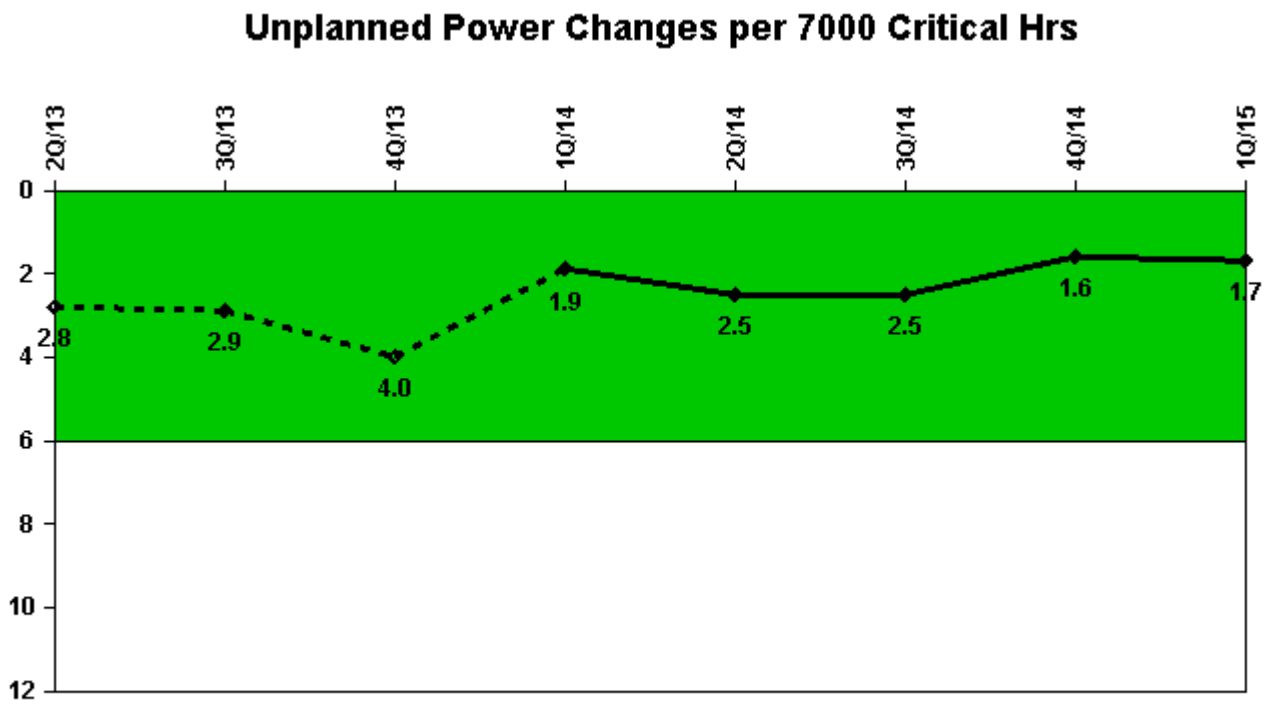


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	1.0	1.0	0	0	0	0	1.0
Critical hours	1180.6	1970.3	2024.9	2159.0	2083.5	2208.0	2209.0	1830.3
Indicator value	**1.9**	**2.9**	**4.0**	**1.9**	**1.7**	**0.8**	**0**	**0.8**

Licensee Comments: none

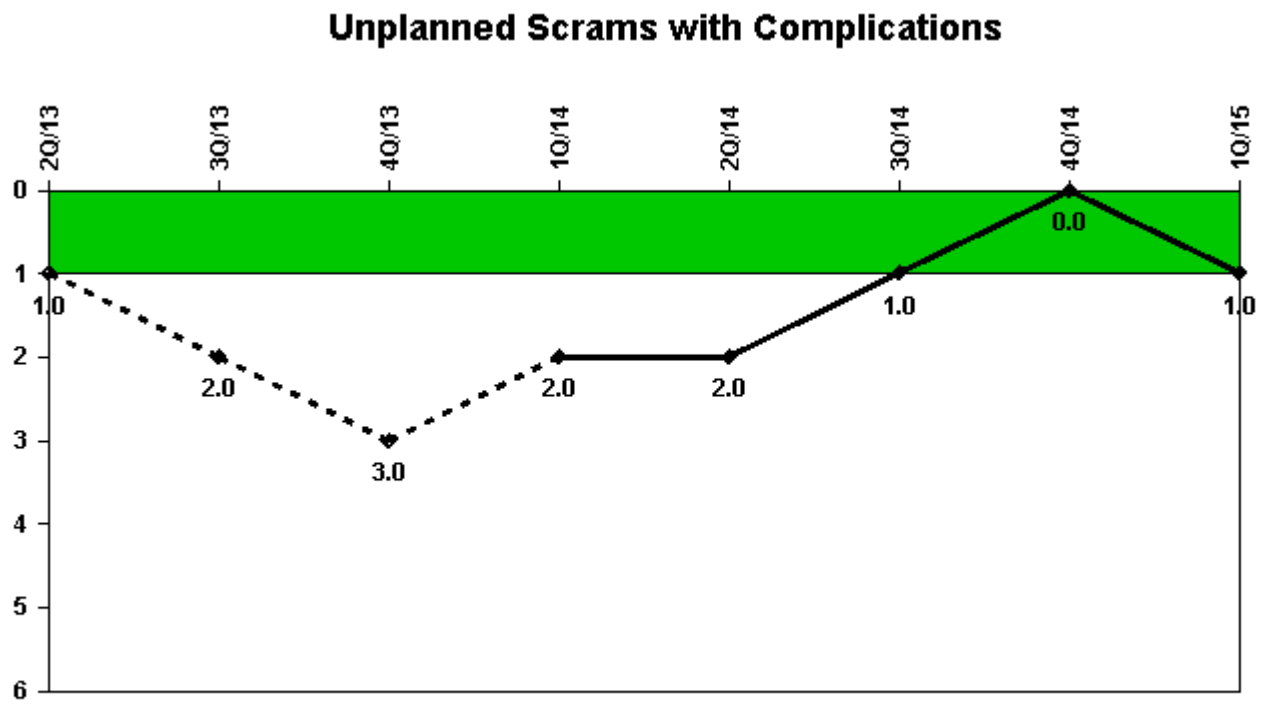


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	1.0	1.0	0	1.0	1.0	0	0
Critical hours	1180.6	1970.3	2024.9	2159.0	2083.5	2208.0	2209.0	1830.3
Indicator value	**2.8**	**2.9**	**4.0**	**1.9**	**2.5**	**2.5**	**1.6**	**1.7**

Licensee Comments: none

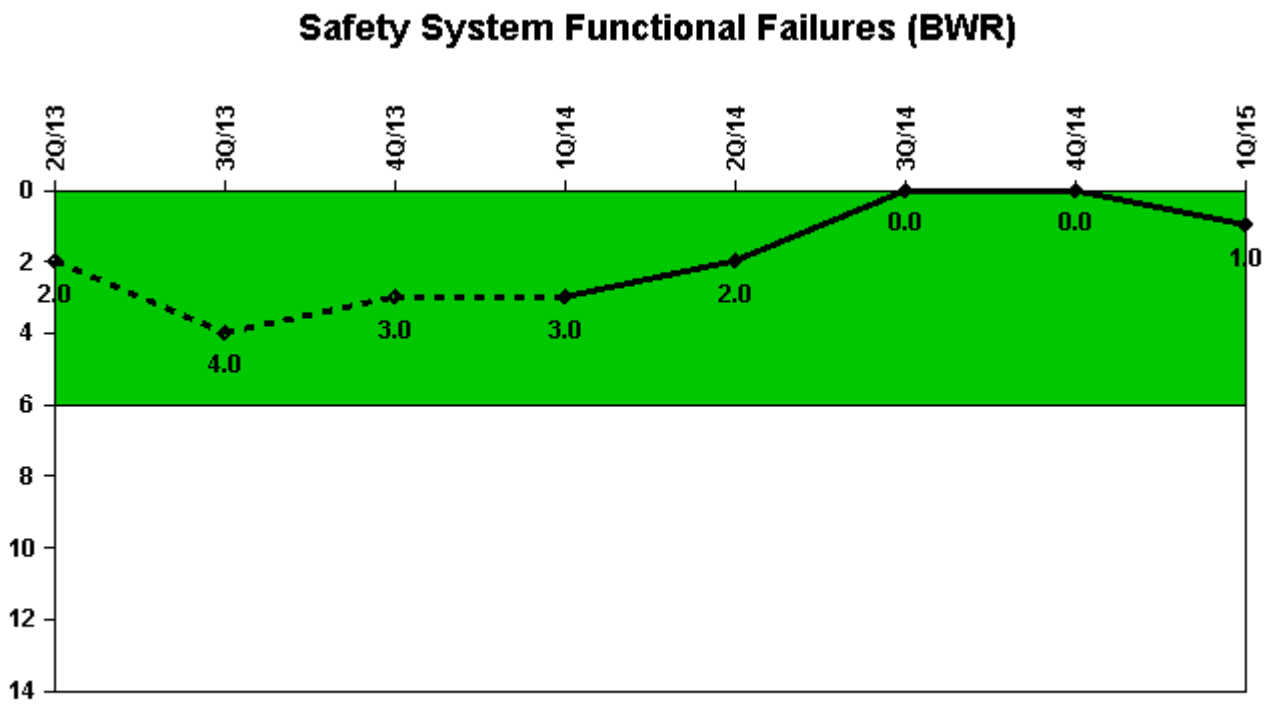


Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Scrams with complications	0	1.0	1.0	0	0	0	0	1.0
Indicator value	**1.0**	**2.0**	**3.0**	**2.0**	**2.0**	**1.0**	**0.0**	**1.0**

Licensee Comments: none



Thresholds: White > 6.0

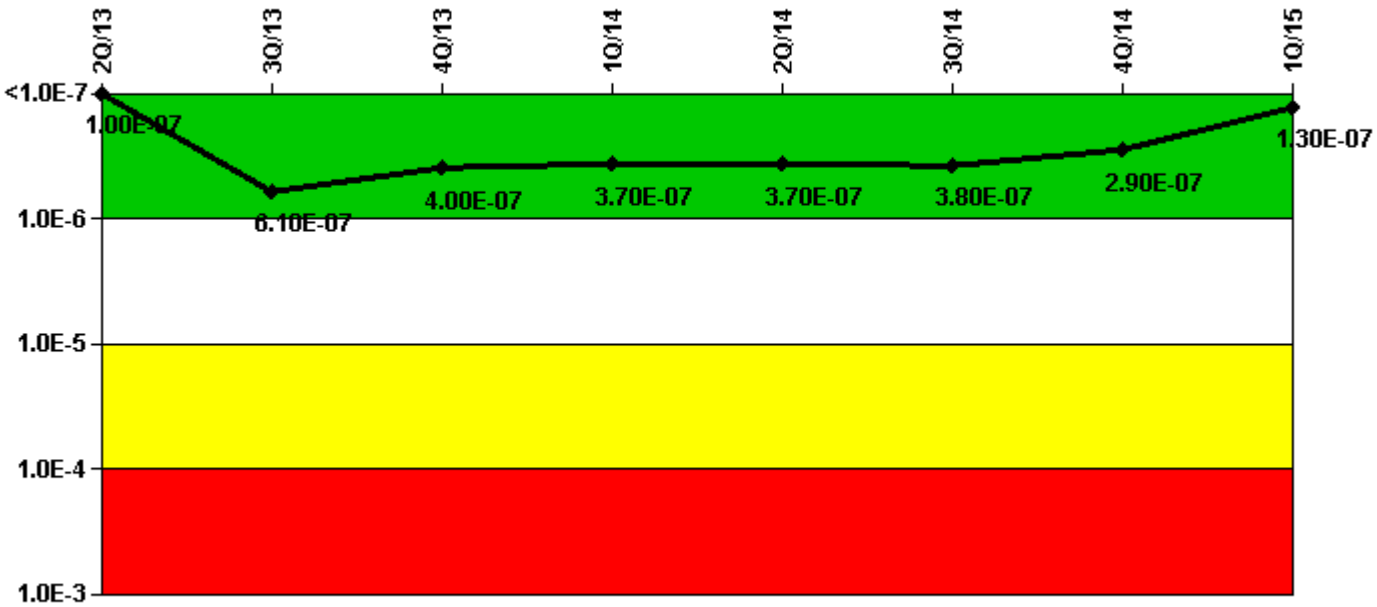
Notes

Safety System Functional Failures (BWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	1	2	0	0	0	0	0	1
Indicator value	**2**	**4**	**3**	**3**	**2**	**0**	**0**	**1**

Licensee Comments:

1Q/15: LER 2015-001-00 documents HPCI Inoperability

Mitigating Systems Performance Index, Emergency AC Power System



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

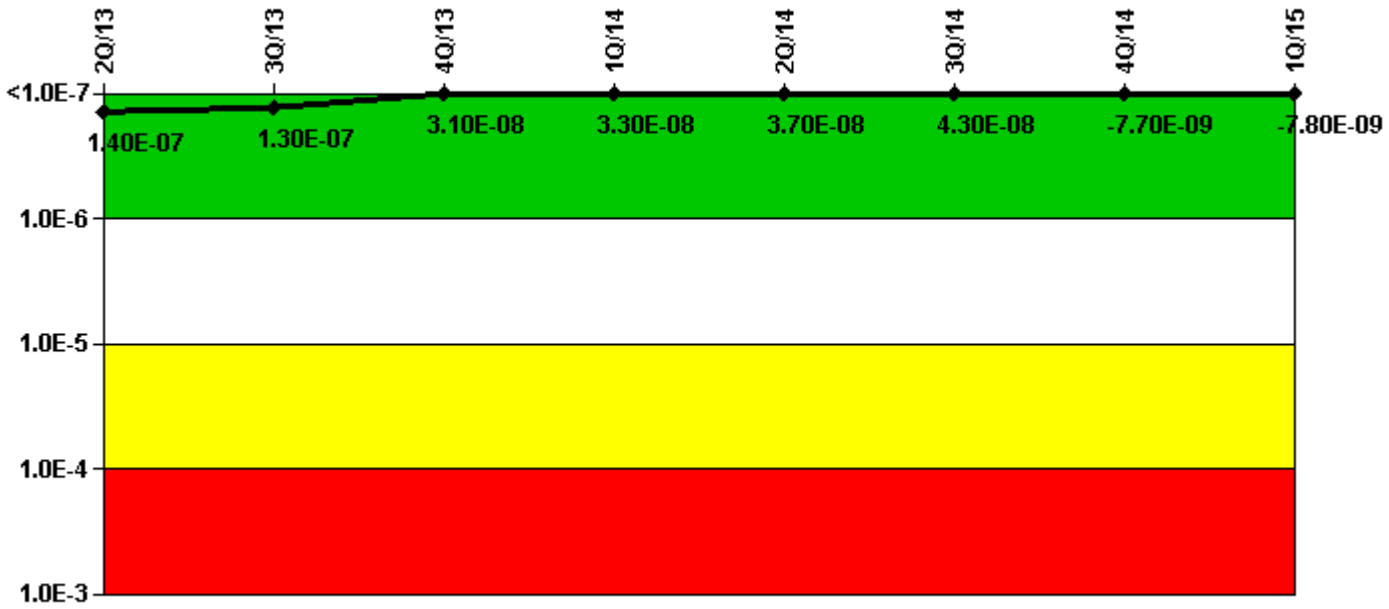
Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	2.10E-08	2.18E-08	2.99E-08	5.01E-08	4.63E-08	4.88E-08	1.73E-08	2.41E-08
URI (ΔCDF)	8.32E-08	5.89E-07	3.70E-07	3.17E-07	3.25E-07	3.30E-07	2.74E-07	1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**6.10E-07**	**4.00E-07**	**3.70E-07**	**3.70E-07**	**3.80E-07**	**2.90E-07**	**1.30E-07**

Licensee Comments:

3Q/13: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



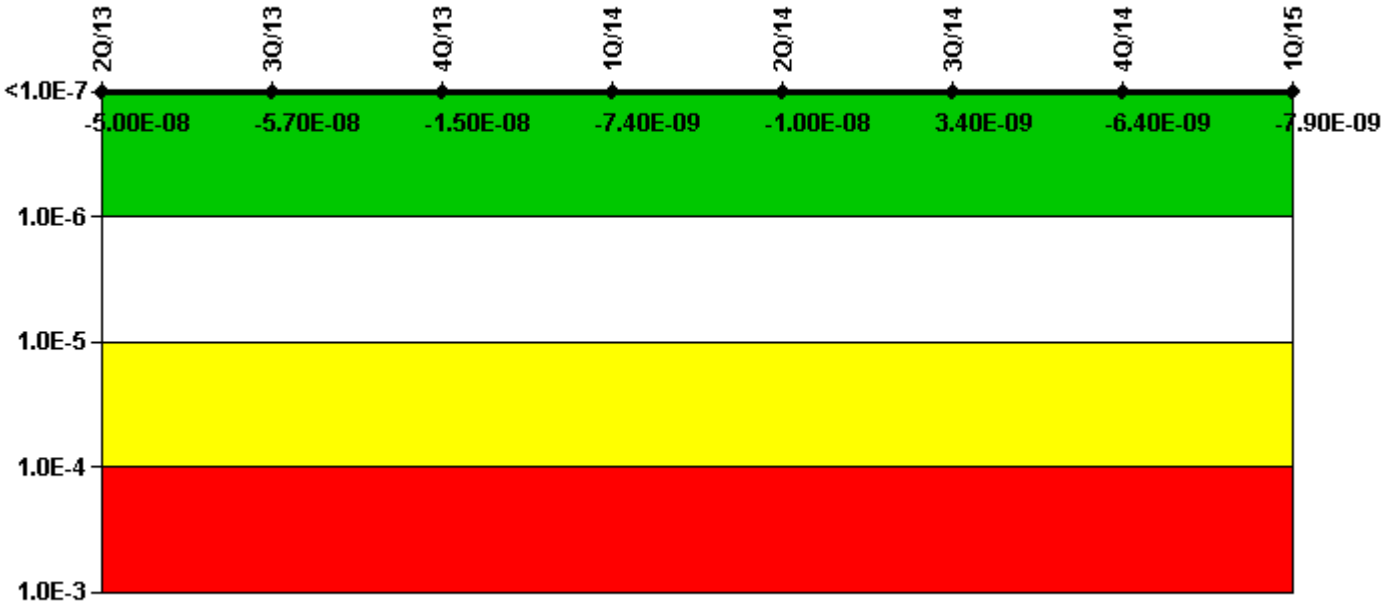
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	3.97E-08	4.31E-08	1.05E-08	1.35E-08	1.24E-08	2.00E-08	1.19E-08	1.25E-08
URI (ΔCDF)	1.01E-07	8.22E-08	2.08E-08	2.00E-08	2.44E-08	2.35E-08	-1.96E-08	-2.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-07**	**1.30E-07**	**3.10E-08**	**3.30E-08**	**3.70E-08**	**4.30E-08**	**-7.70E-09**	**-7.80E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



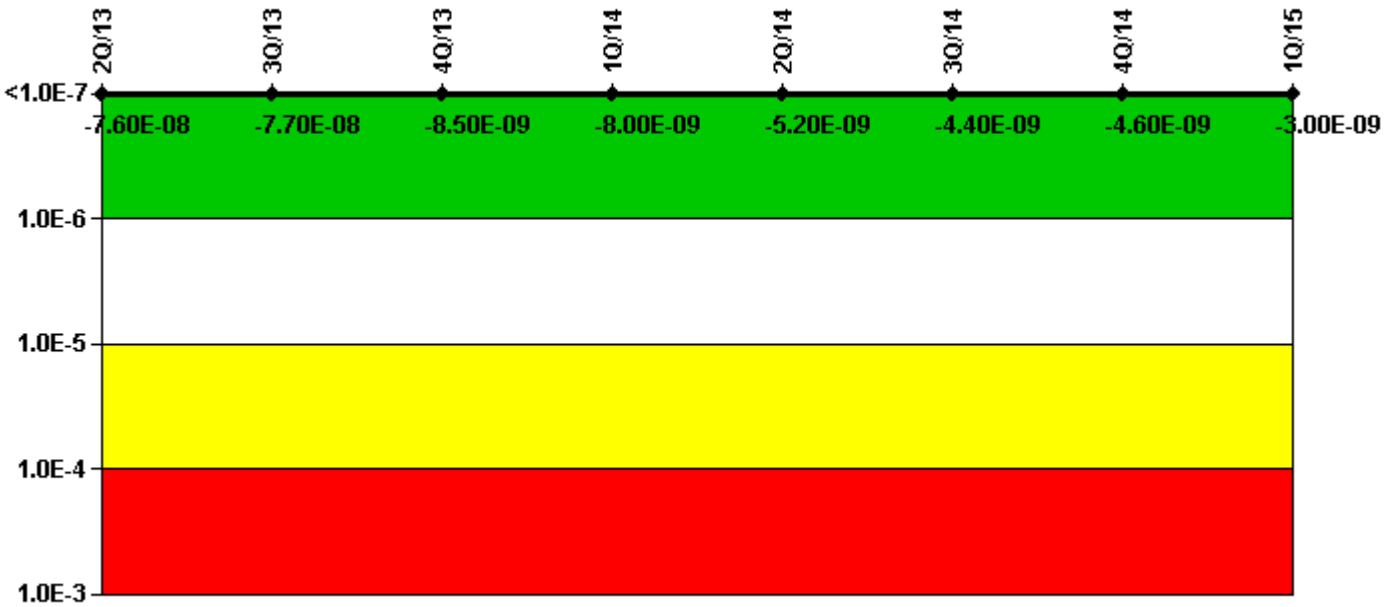
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	-1.03E-09	-2.51E-10	-1.83E-09	6.05E-09	2.64E-09	1.63E-08	6.23E-09	7.13E-09
URI (ΔCDF)	-4.85E-08	-5.68E-08	-1.32E-08	-1.34E-08	-1.26E-08	-1.29E-08	-1.26E-08	-1.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.00E-08**	**-5.70E-08**	**-1.50E-08**	**-7.40E-09**	**-1.00E-08**	**3.40E-09**	**-6.40E-09**	**-7.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



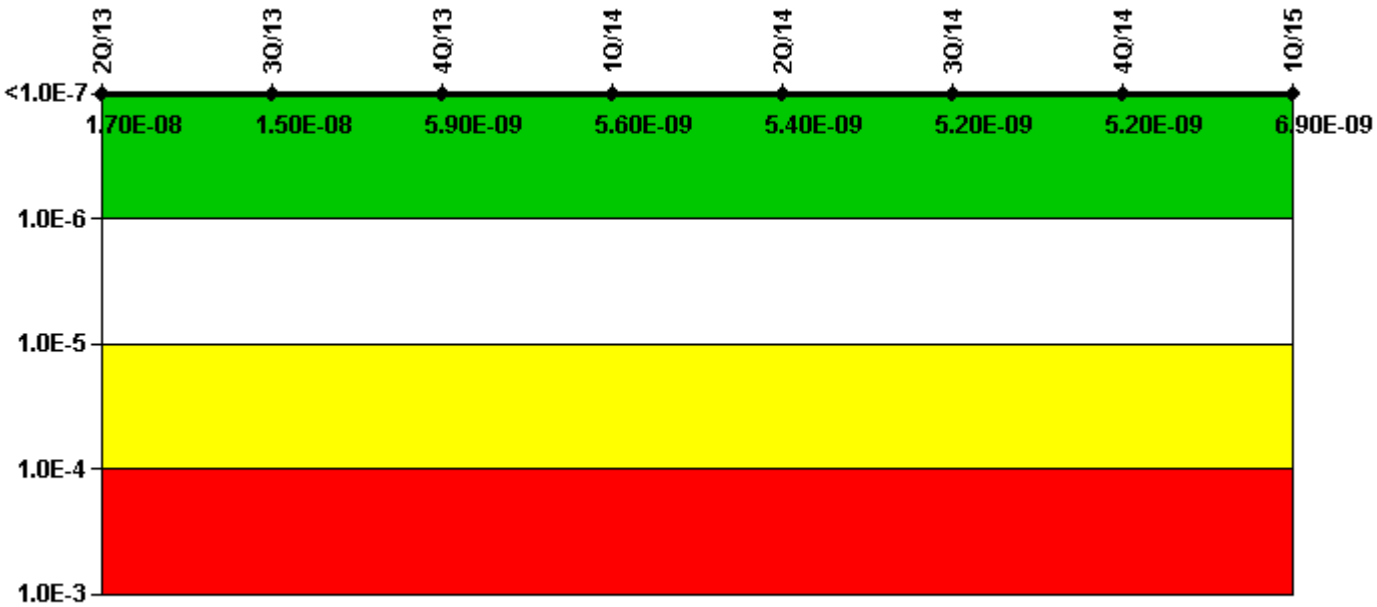
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	-2.66E-08	-2.68E-08	-2.68E-09	-2.16E-09	4.09E-10	1.23E-09	8.38E-10	2.57E-09
URI (ΔCDF)	-4.94E-08	-5.06E-08	-5.81E-09	-5.82E-09	-5.63E-09	-5.65E-09	-5.45E-09	-5.58E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.60E-08**	**-7.70E-08**	**-8.50E-09**	**-8.00E-09**	**-5.20E-09**	**-4.40E-09**	**-4.60E-09**	**-3.00E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



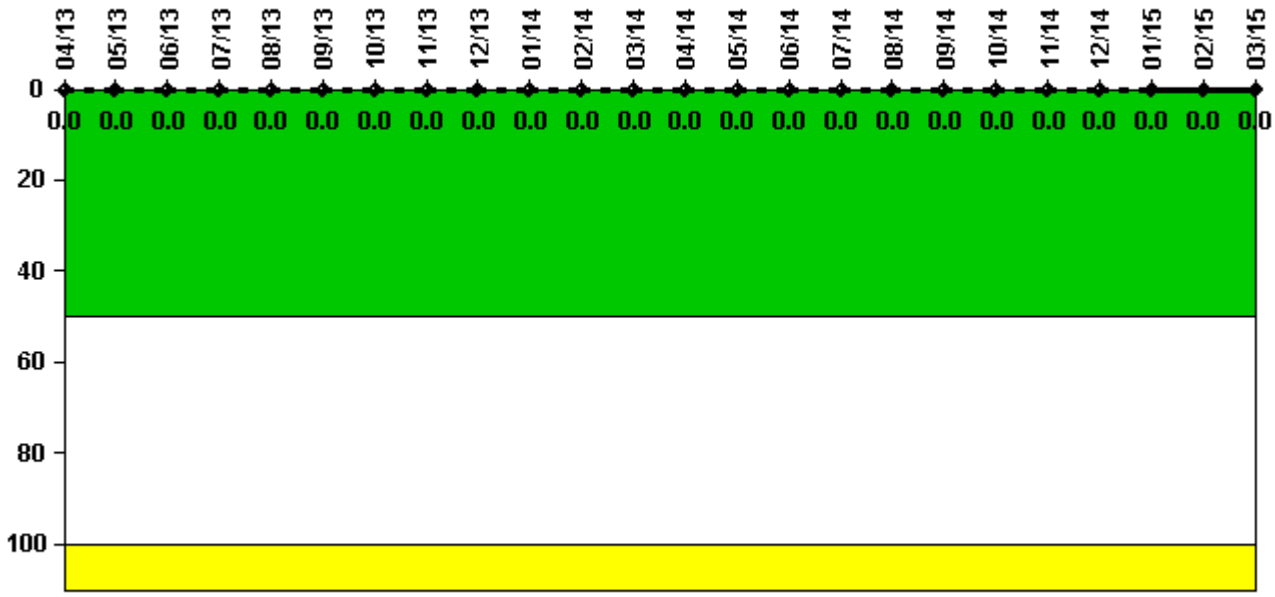
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	1.65E-08	1.52E-08	5.53E-09	5.25E-09	5.05E-09	4.92E-09	4.87E-09	6.58E-09
URI (ΔCDF)	2.50E-10	2.32E-10	4.09E-10	3.85E-10	3.23E-10	3.17E-10	2.83E-10	3.33E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-08**	**1.50E-08**	**5.90E-09**	**5.60E-09**	**5.40E-09**	**5.20E-09**	**5.20E-09**	**6.90E-09**

Licensee Comments: none

Reactor Coolant System Activity



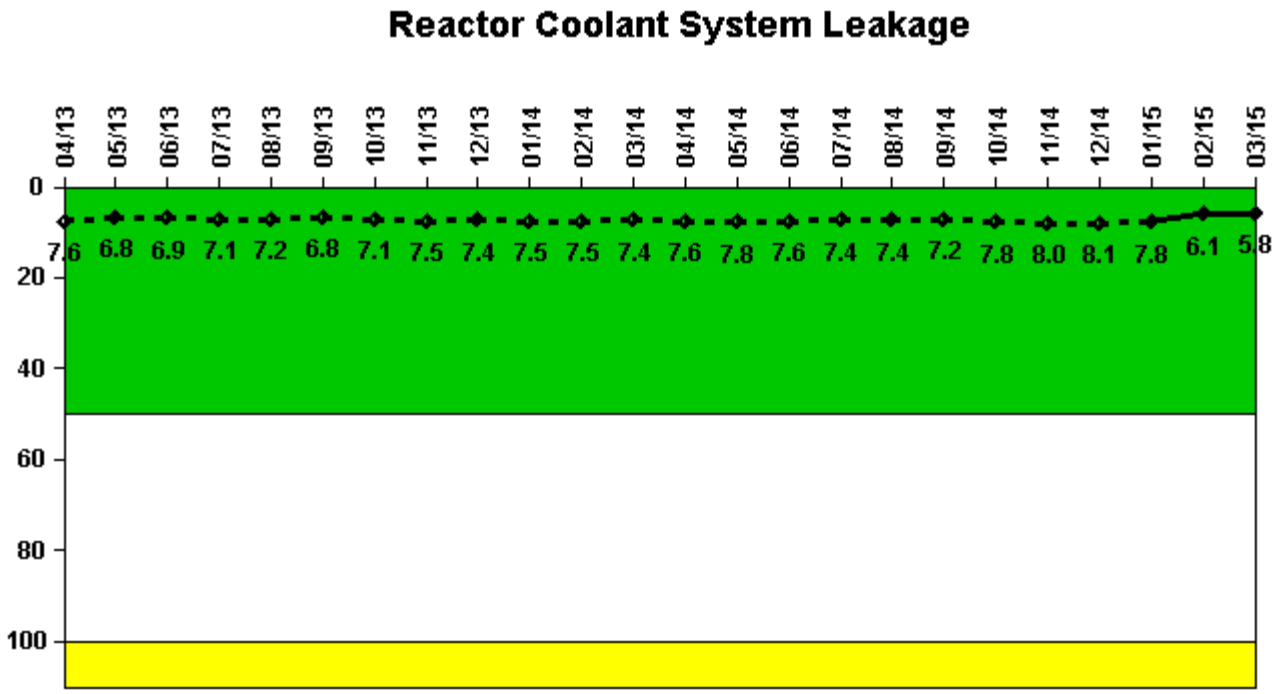
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.000568	0.000209	0.000105	0.000078	0.000209	0.001290	0.000123	0.000279	0.002170	0.000137	0.000119	0.000194
Technical specification limit	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum activity	0.000123	0.000129	0.000125	0.000102	0.000117	0.000220	0.000150	0.000179	0.000156	0.000178	0.000083	0.000079
Technical specification limit	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

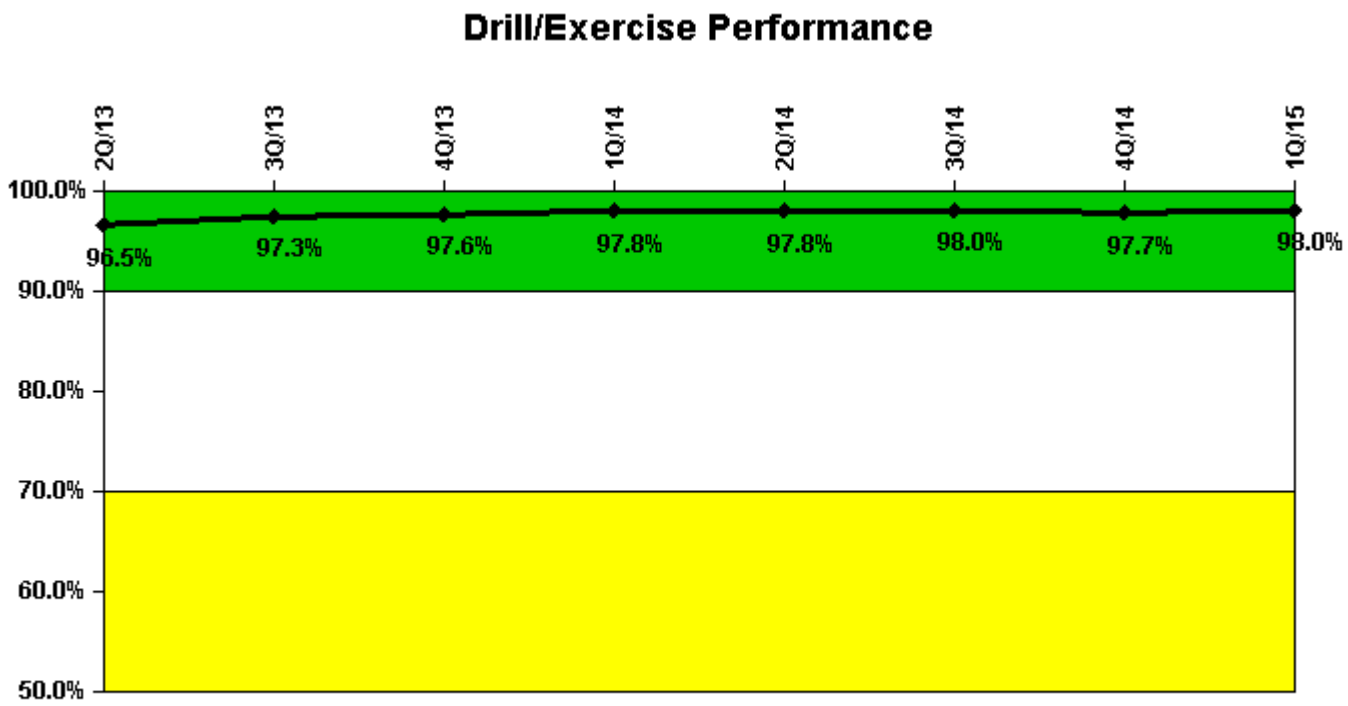


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.890	1.700	1.730	1.770	1.790	1.710	1.770	1.870	1.860	1.880	1.880	1.860
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	**7.6**	**6.8**	**6.9**	**7.1**	**7.2**	**6.8**	**7.1**	**7.5**	**7.4**	**7.5**	**7.5**	**7.4**
Reactor Coolant System Leakage	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum leakage	1.910	1.960	1.890	1.850	1.850	1.810	1.960	2.000	2.020	1.960	1.530	1.460
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	**7.6**	**7.8**	**7.6**	**7.4**	**7.4**	**7.2**	**7.8**	**8.0**	**8.1**	**7.8**	**6.1**	**5.8**

Licensee Comments: none

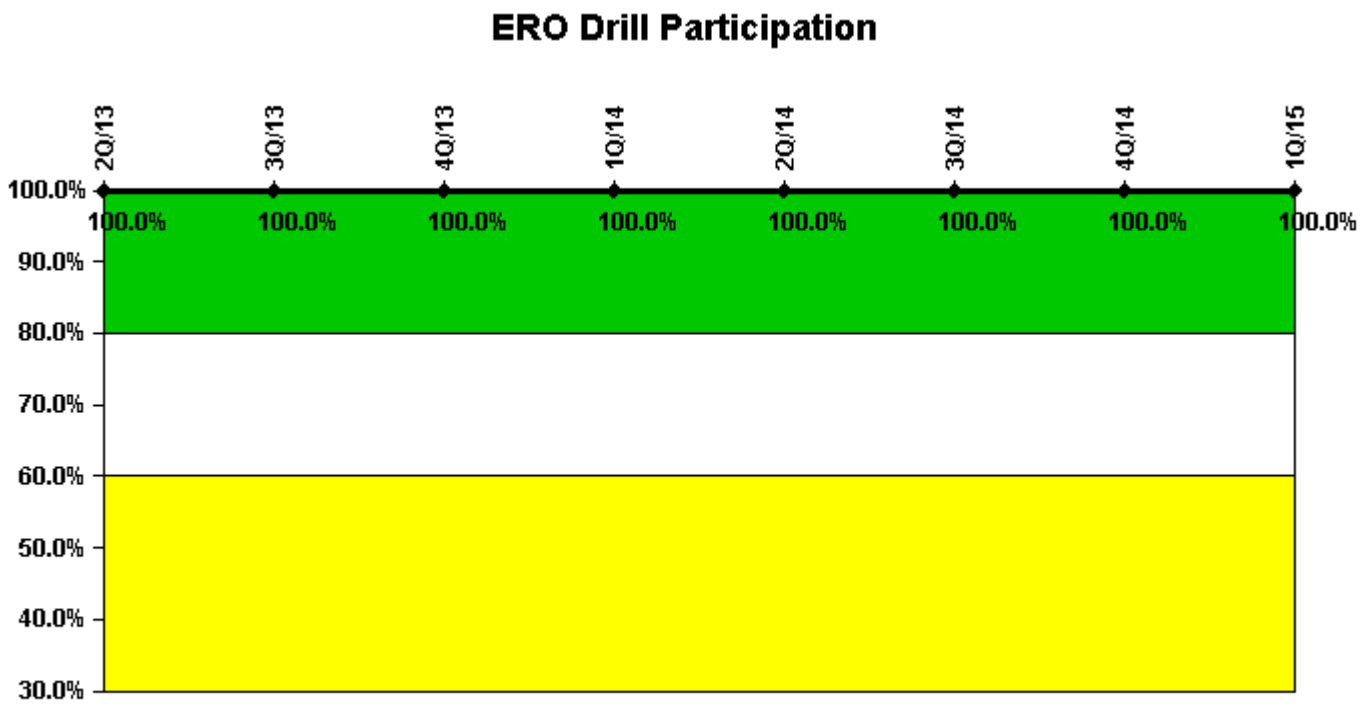


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful opportunities	21.0	108.0	111.0	54.0	117.0	64.0	132.0	163.0
Total opportunities	23.0	111.0	112.0	55.0	119.0	66.0	135.0	165.0
Indicator value	**96.5%**	**97.3%**	**97.6%**	**97.8%**	**97.8%**	**98.0%**	**97.7%**	**98.0%**

Licensee Comments: none

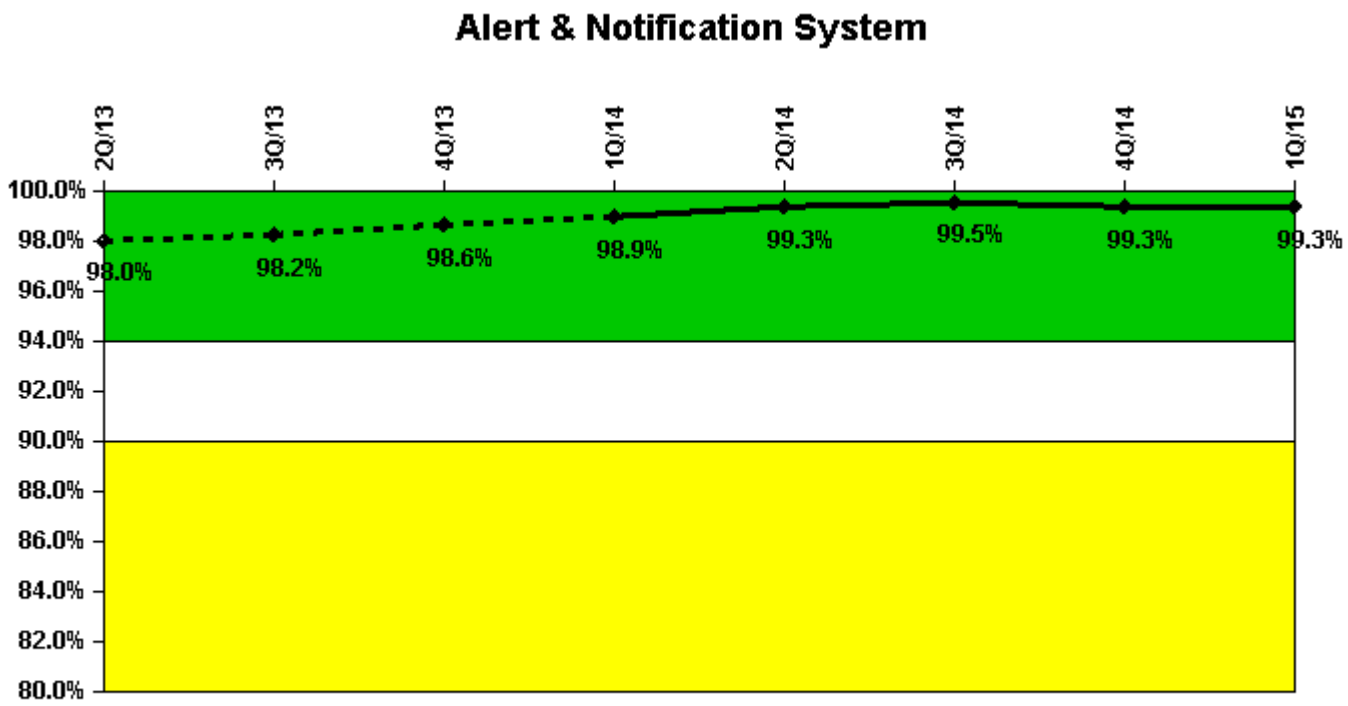


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	82.0	88.0	83.0	84.0	81.0	83.0	79.0	80.0
Total Key personnel	82.0	88.0	83.0	84.0	81.0	83.0	79.0	80.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none



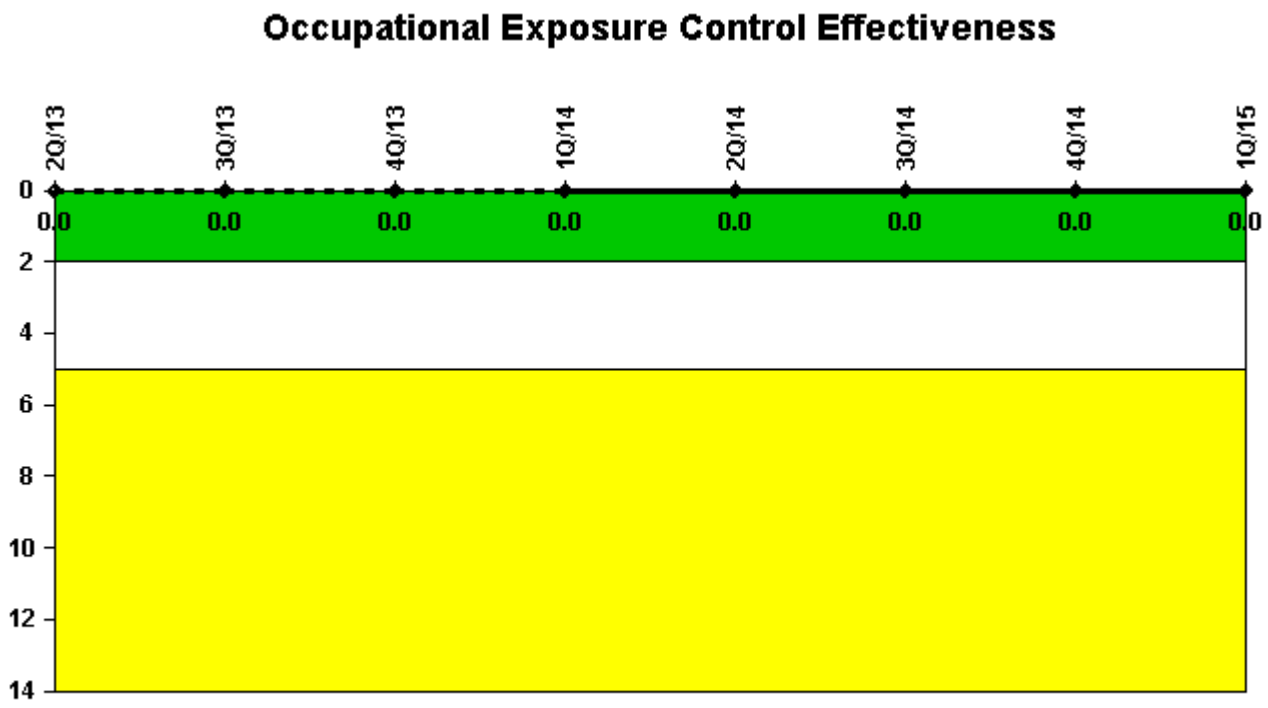
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	333	334	451	335	338	338	448	335
Total sirens-tests	339	339	452	339	339	339	452	339
Indicator value	**98.0%**	**98.2%**	**98.6%**	**98.9%**	**99.3%**	**99.5%**	**99.3%**	**99.3%**

Licensee Comments:

4Q/14: Failure of P32, C89, P38, and P39 in Novenber 2014

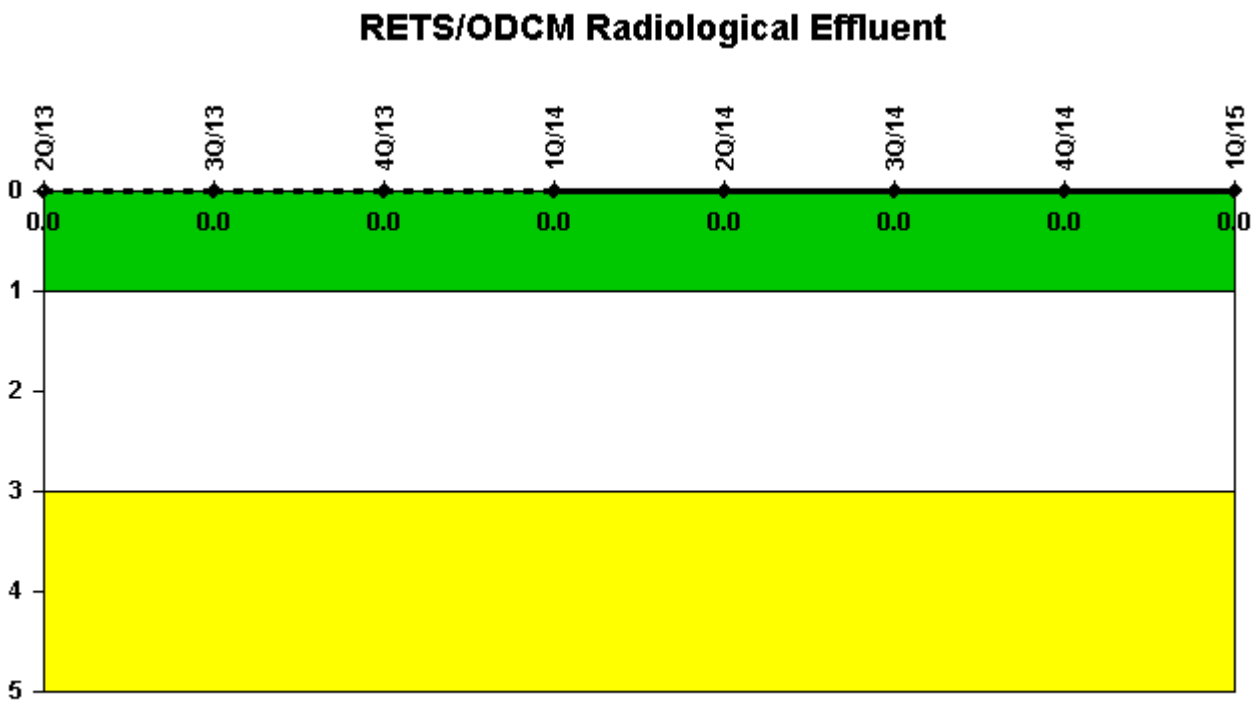


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
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/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
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, 2015