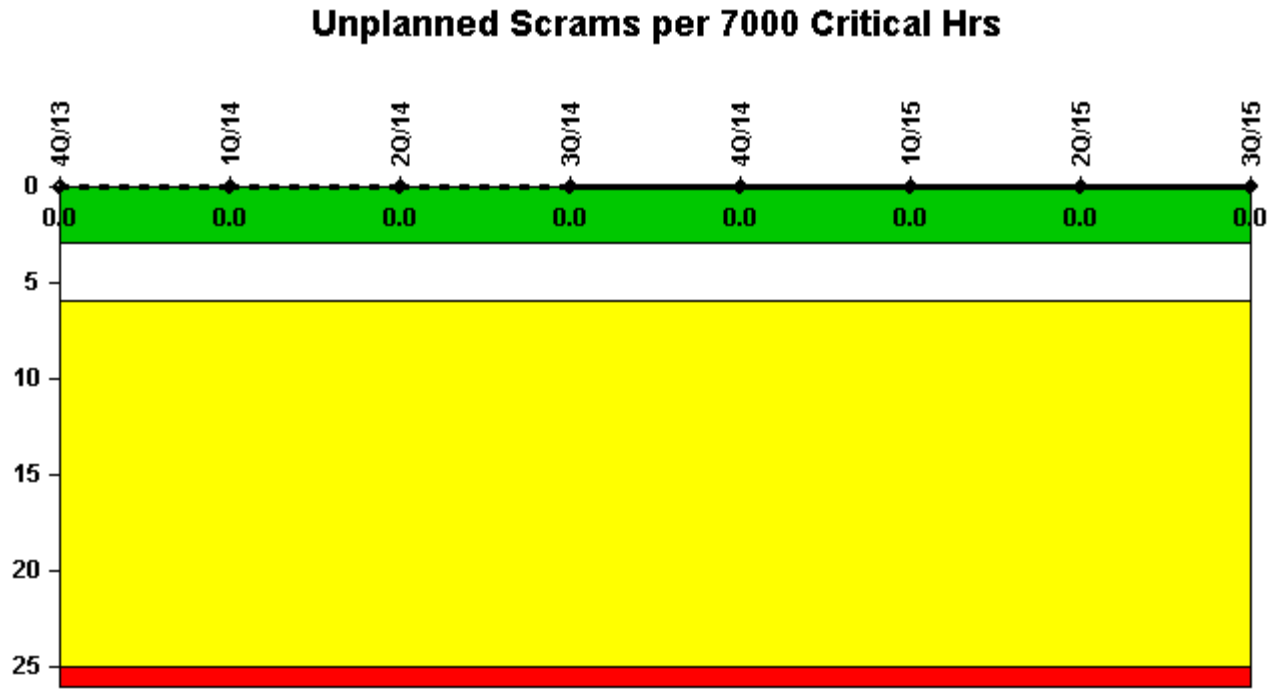
Braidwood 2

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

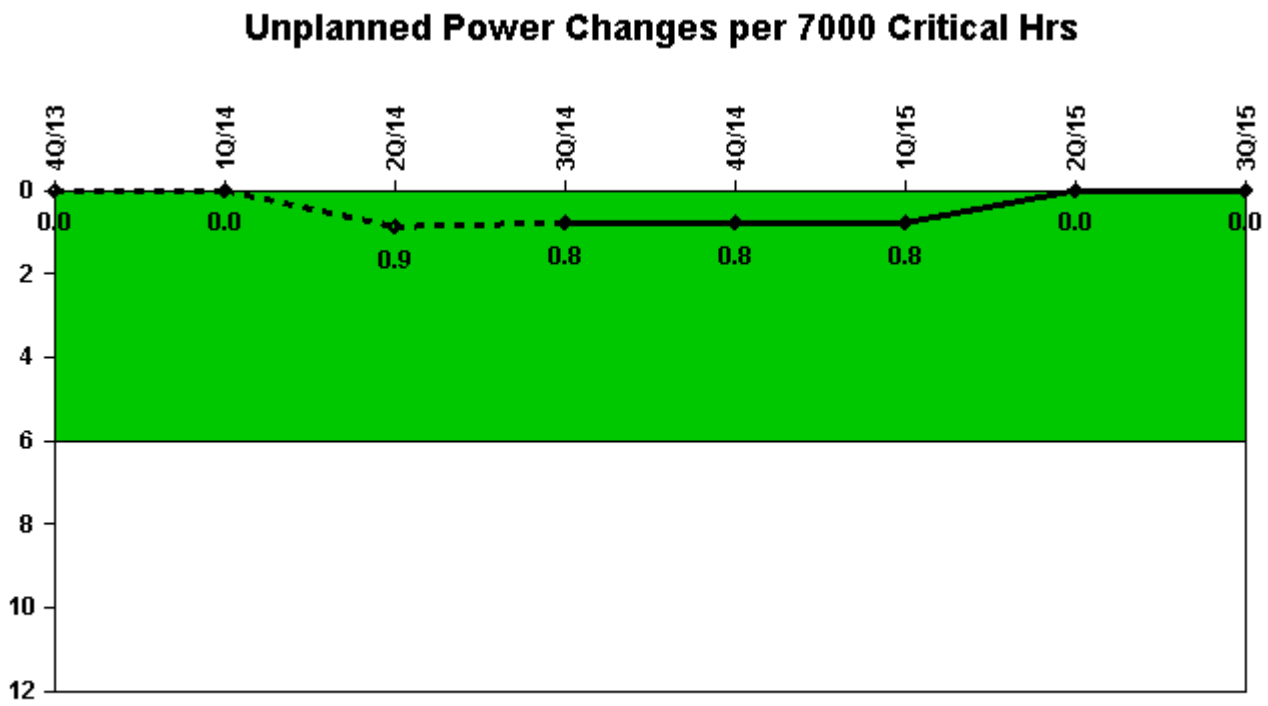


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1716.3	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

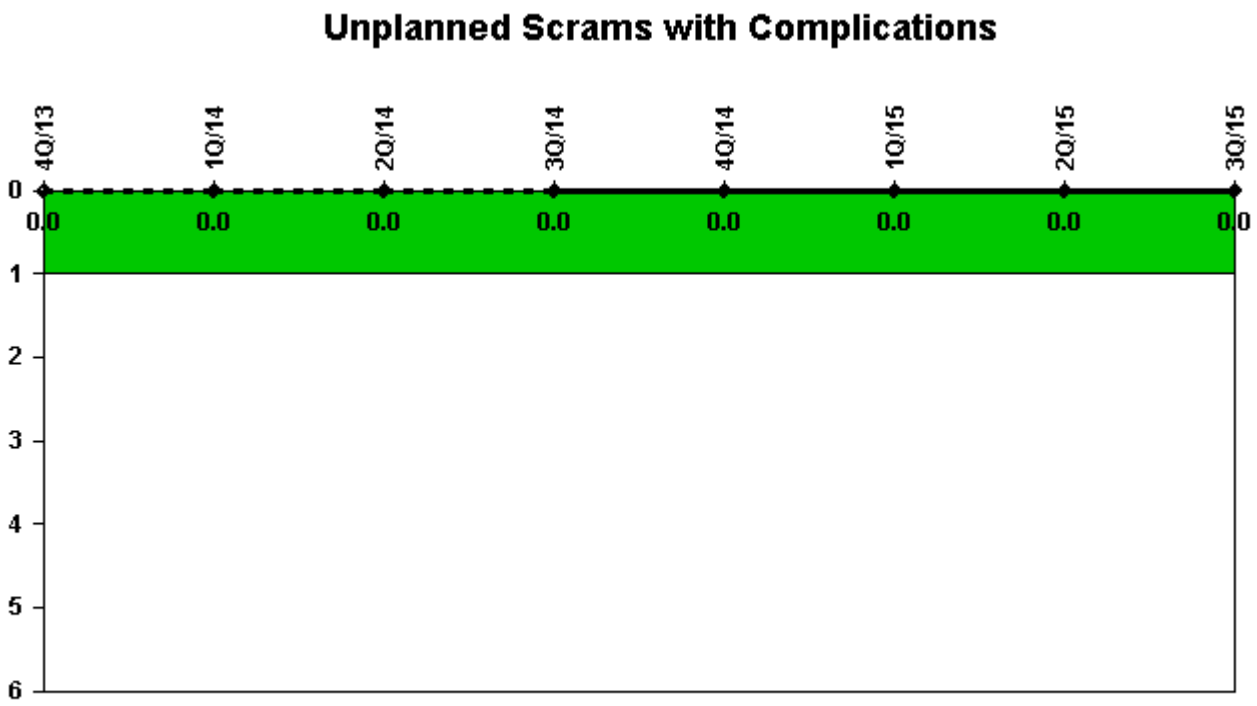


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	2159.0	1716.3	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.8**	**0**	**0**

Licensee Comments: none

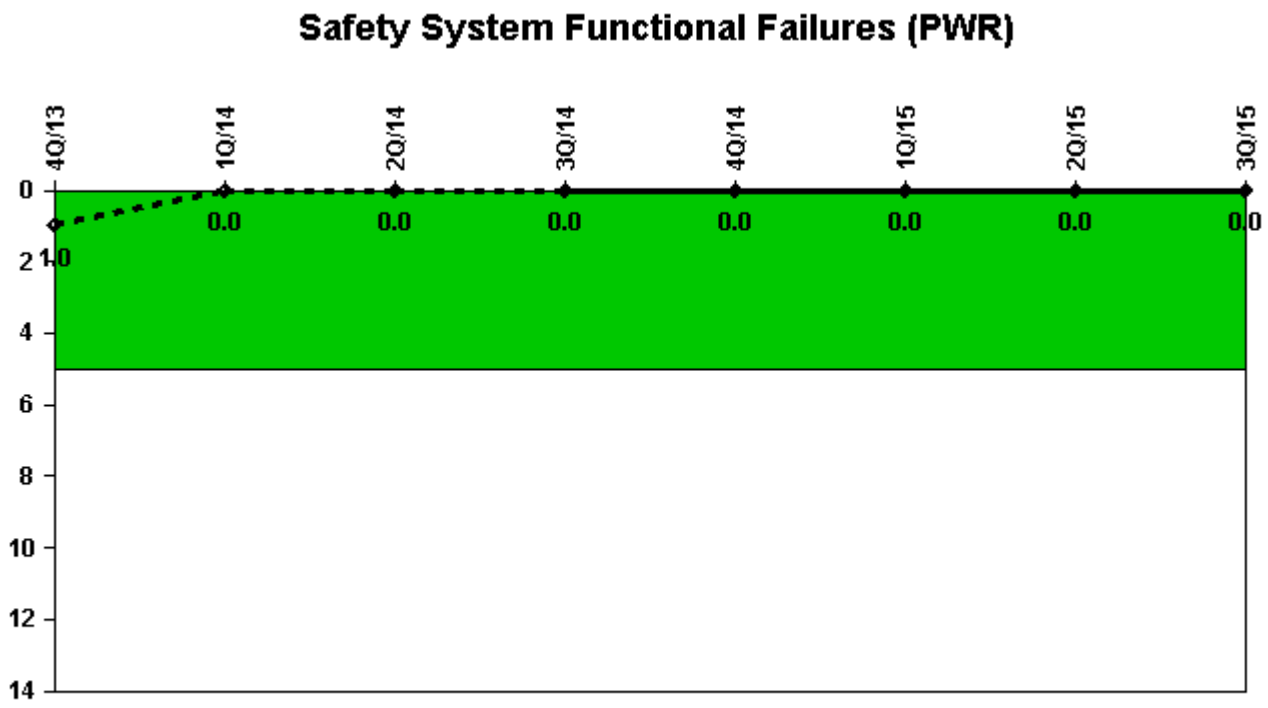


Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
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



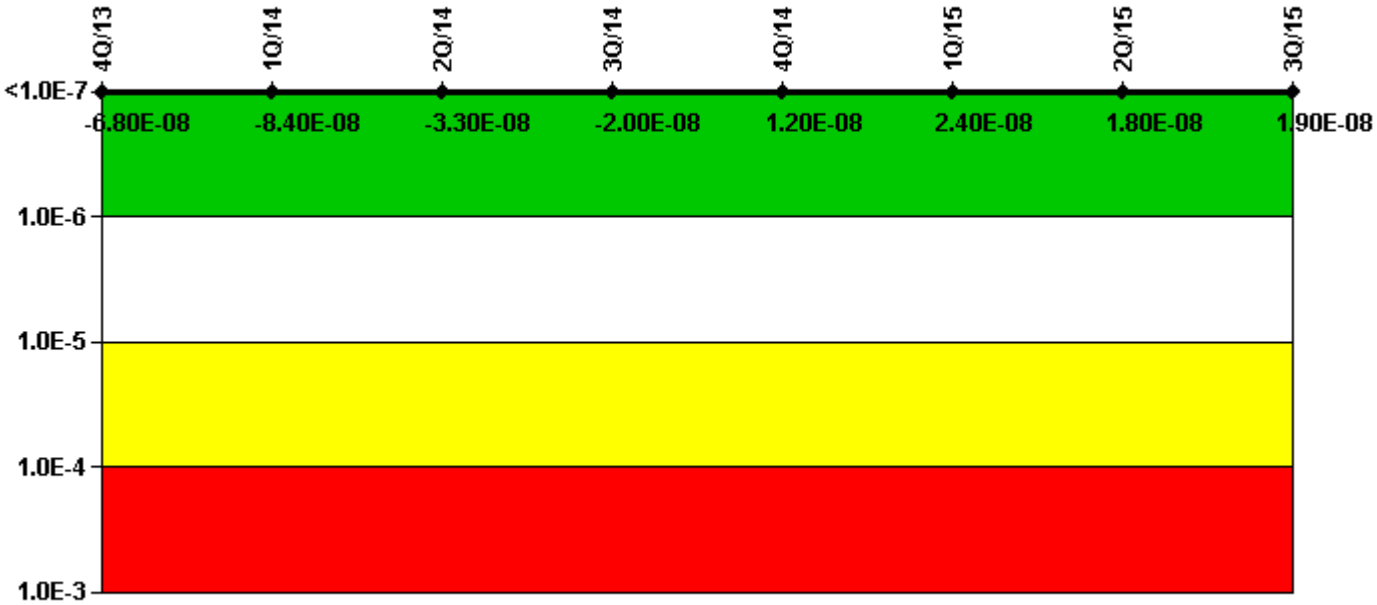
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



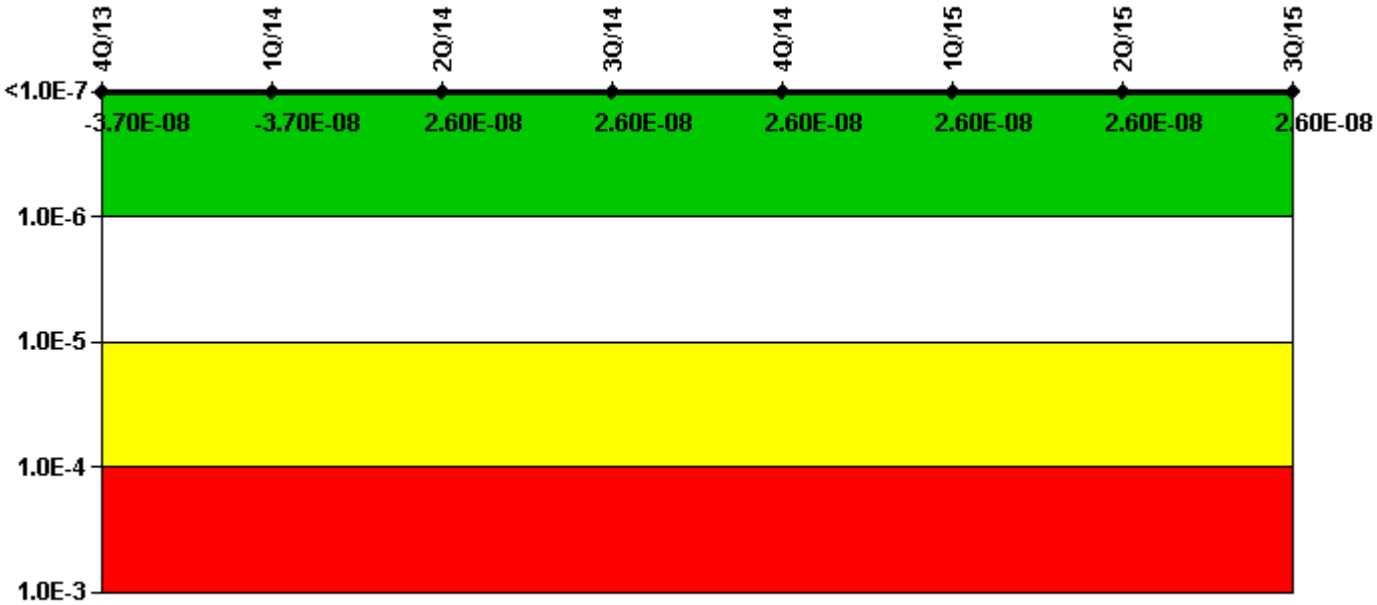
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	6.82E-08	4.17E-08	7.10E-08	6.80E-08	8.34E-08	8.19E-08	8.19E-08	8.48E-08
URI (ΔCDF)	-1.36E-07	-1.26E-07	-1.04E-07	-8.77E-08	-7.14E-08	-5.79E-08	-6.43E-08	-6.59E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.80E-08**	**-8.40E-08**	**-3.30E-08**	**-2.00E-08**	**1.20E-08**	**2.40E-08**	**1.80E-08**	**1.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



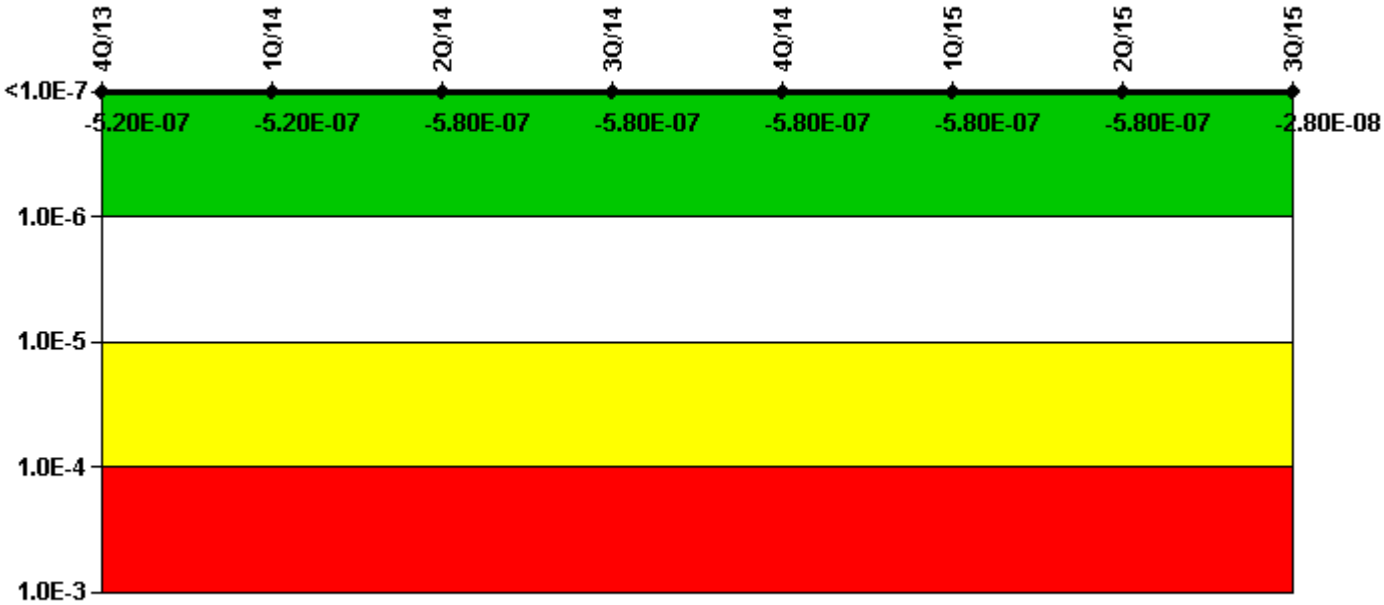
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08
URI (ΔCDF)	-8.82E-09	-8.82E-09	5.43E-08	5.42E-08	5.42E-08	5.42E-08	5.42E-08	5.41E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.70E-08**	**-3.70E-08**	**2.60E-08**	**2.60E-08**	**2.60E-08**	**2.60E-08**	**2.60E-08**	**2.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

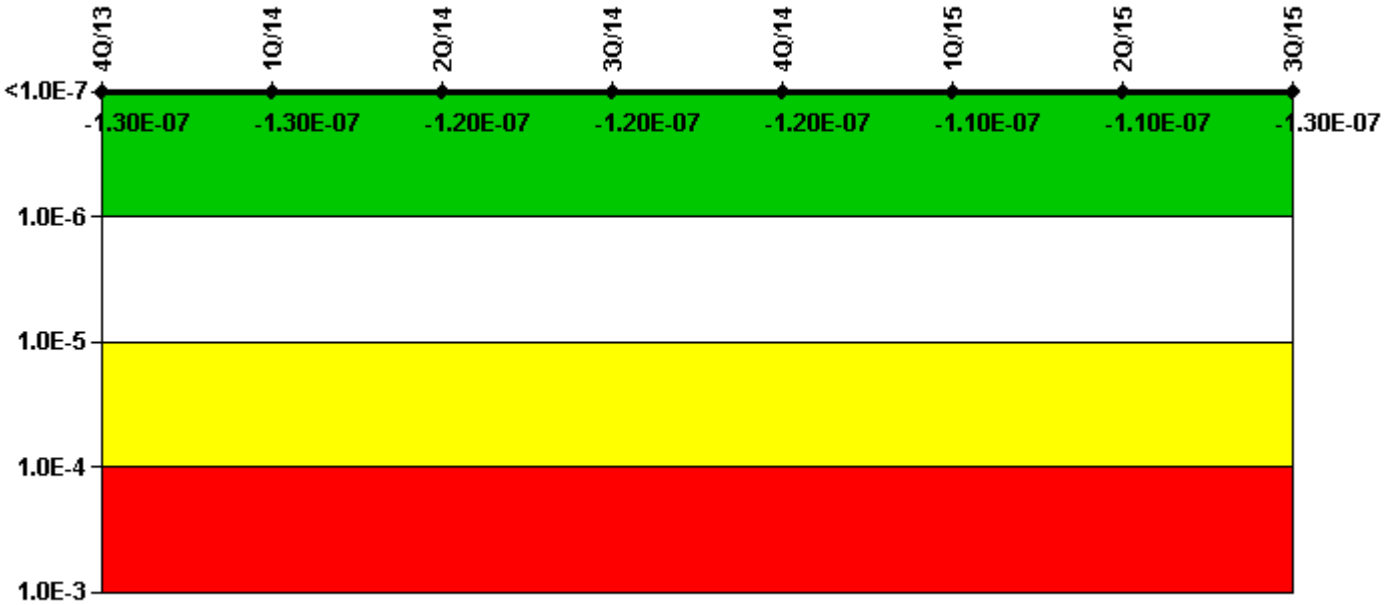
Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-6.60E-08	-6.60E-08	-1.17E-07	-1.19E-07	-1.19E-07	-1.19E-07	-1.19E-07	-5.60E-08
URI (ΔCDF)	-4.55E-07	-4.55E-07	-4.63E-07	-4.63E-07	-4.63E-07	-4.64E-07	-4.64E-07	2.76E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.20E-07**	**-5.20E-07**	**-5.80E-07**	**-5.80E-07**	**-5.80E-07**	**-5.80E-07**	**-5.80E-07**	**-2.80E-08**

Licensee Comments:

3Q/15: Risk Cap Invoked.

Mitigating Systems Performance Index, Residual Heat Removal System



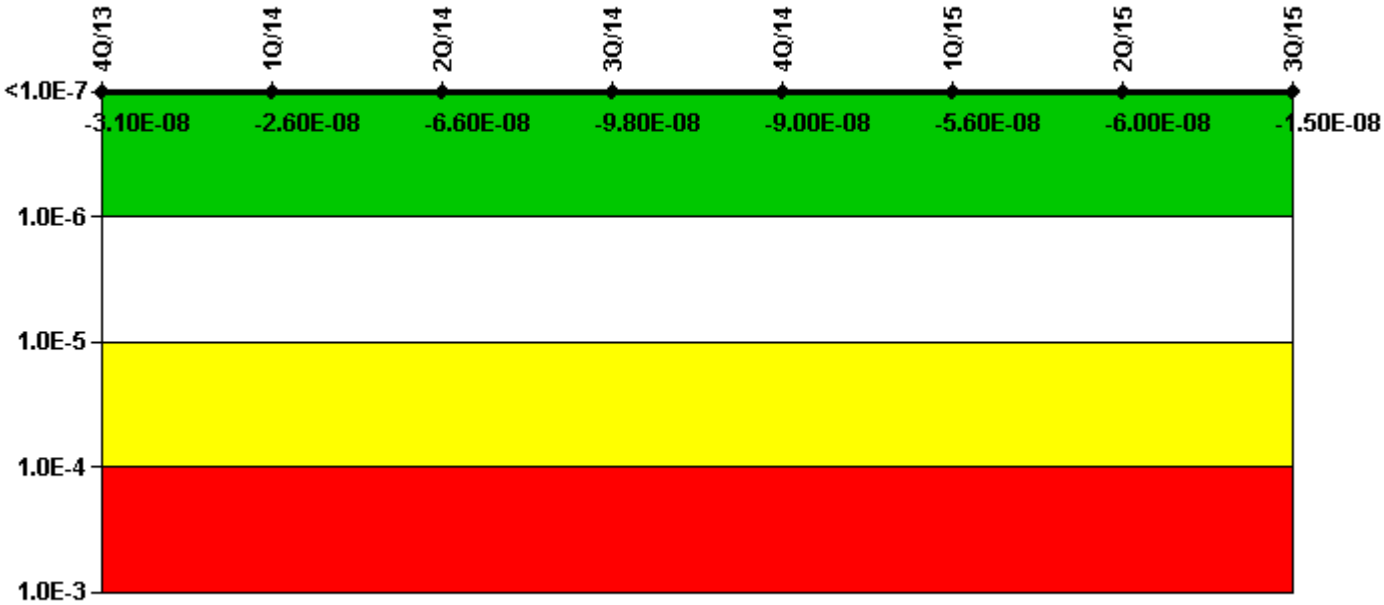
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-2.51E-08	-2.51E-08	-2.51E-08	-2.51E-08	-2.51E-08	-1.42E-08	-1.42E-08	-3.48E-08
URI (ΔCDF)	-1.04E-07	-1.03E-07	-9.70E-08	-9.71E-08	-9.70E-08	-9.69E-08	-9.69E-08	-9.76E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.30E-07**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-1.10E-07**	**-1.10E-07**	**-1.30E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



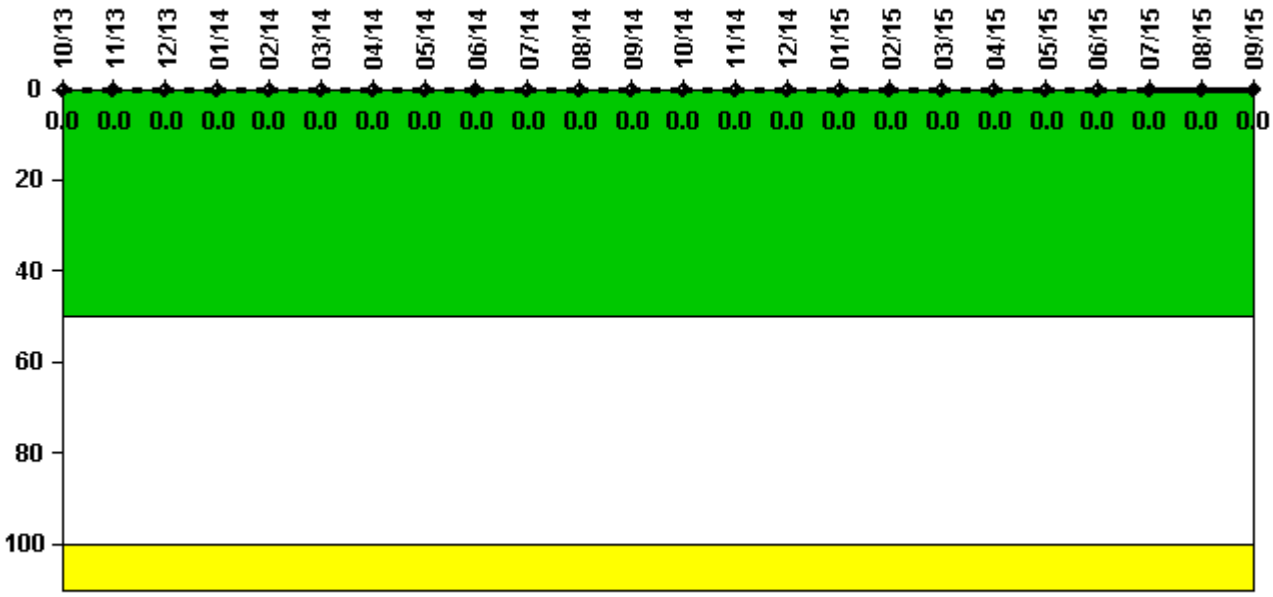
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	1.08E-07	1.08E-07	6.03E-08	2.15E-08	2.49E-08	5.32E-08	4.86E-08	9.28E-08
URI (ΔCDF)	-1.39E-07	-1.34E-07	-1.27E-07	-1.20E-07	-1.15E-07	-1.09E-07	-1.08E-07	-1.07E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.10E-08**	**-2.60E-08**	**-6.60E-08**	**-9.80E-08**	**-9.00E-08**	**-5.60E-08**	**-6.00E-08**	**-1.50E-08**

Licensee Comments: none

Reactor Coolant System Activity



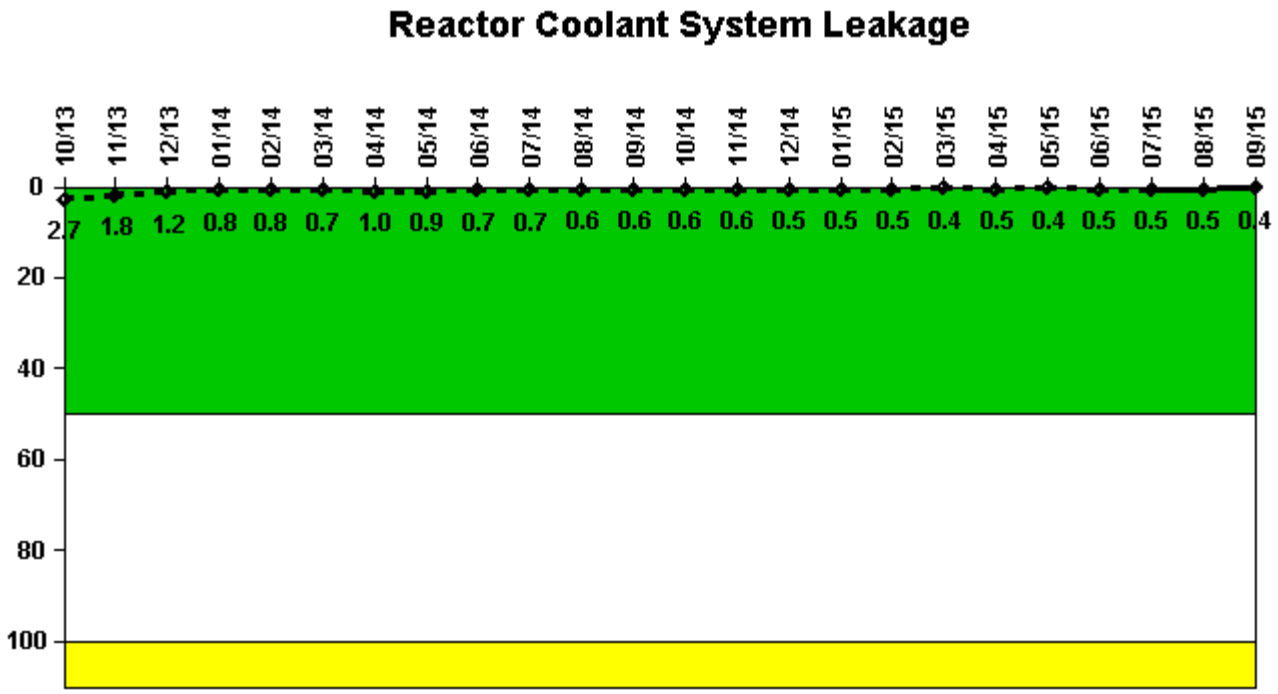
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.000302	0.000311	0.000324	0.000339	0.000346	0.000358	0.000371	0.000133	0.000162	0.000157	0.000170	0.000164
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum activity	0.000176	0.000208	0.000205	0.000200	0.000222	0.000237	0.000265	0.000268	0.000257	0.000265	0.000279	0.000285
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

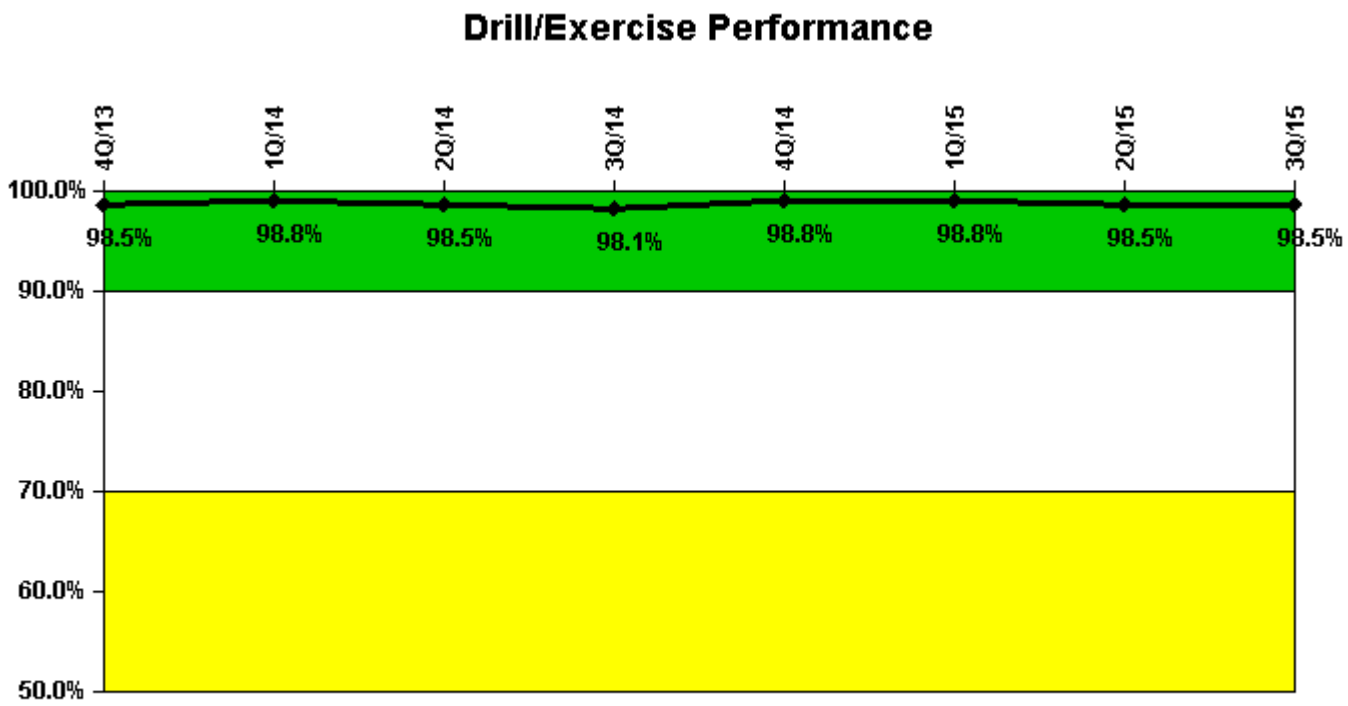


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	0.268	0.184	0.117	0.083	0.075	0.066	0.102	0.088	0.068	0.067	0.061	0.057
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	**2.7**	**1.8**	**1.2**	**0.8**	**0.8**	**0.7**	**1.0**	**0.9**	**0.7**	**0.7**	**0.6**	**0.6**
Reactor Coolant System Leakage	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum leakage	0.059	0.056	0.045	0.051	0.048	0.043	0.045	0.044	0.048	0.046	0.049	0.043
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	**0.6**	**0.6**	**0.5**	**0.5**	**0.5**	**0.4**	**0.5**	**0.4**	**0.5**	**0.5**	**0.5**	**0.4**

Licensee Comments: none

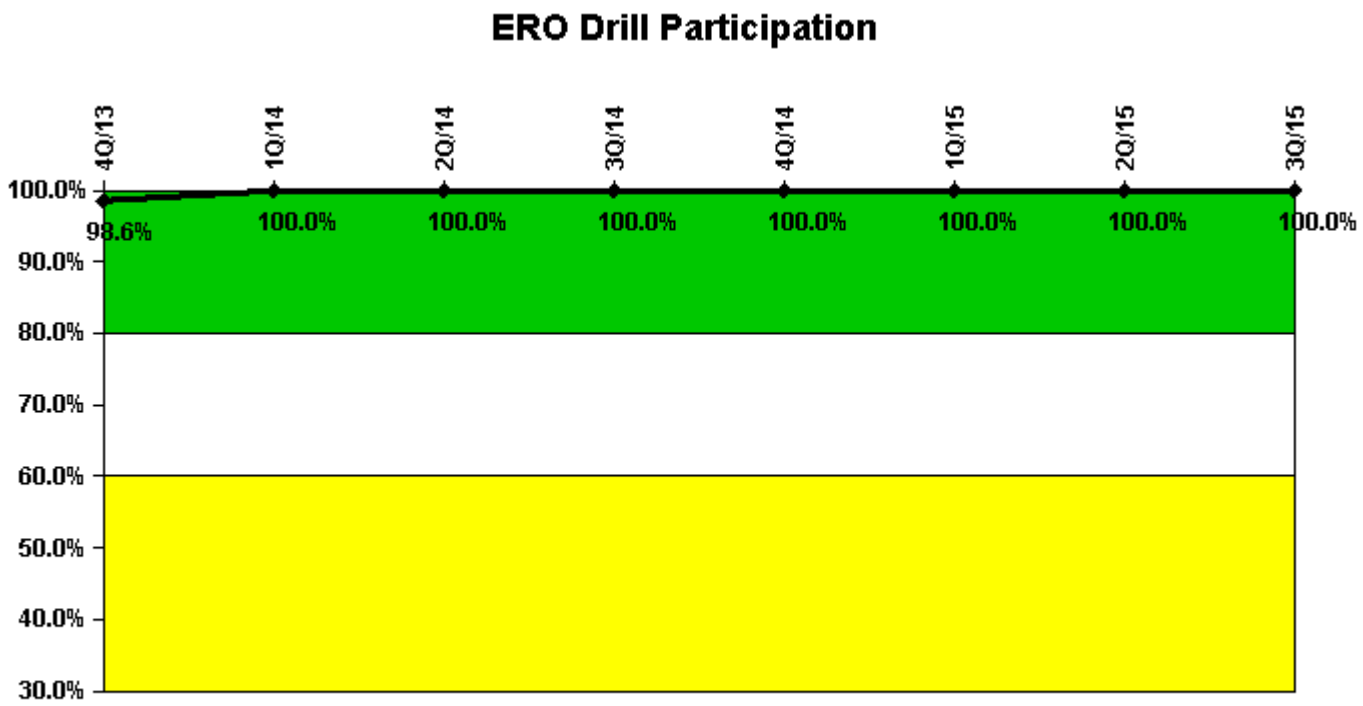


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	80.0	21.0	66.0	51.0	74.0	26.0	86.0	58.0
Total opportunities	80.0	21.0	68.0	54.0	74.0	26.0	88.0	58.0
Indicator value	**98.5%**	**98.8%**	**98.5%**	**98.1%**	**98.8%**	**98.8%**	**98.5%**	**98.5%**

Licensee Comments: none

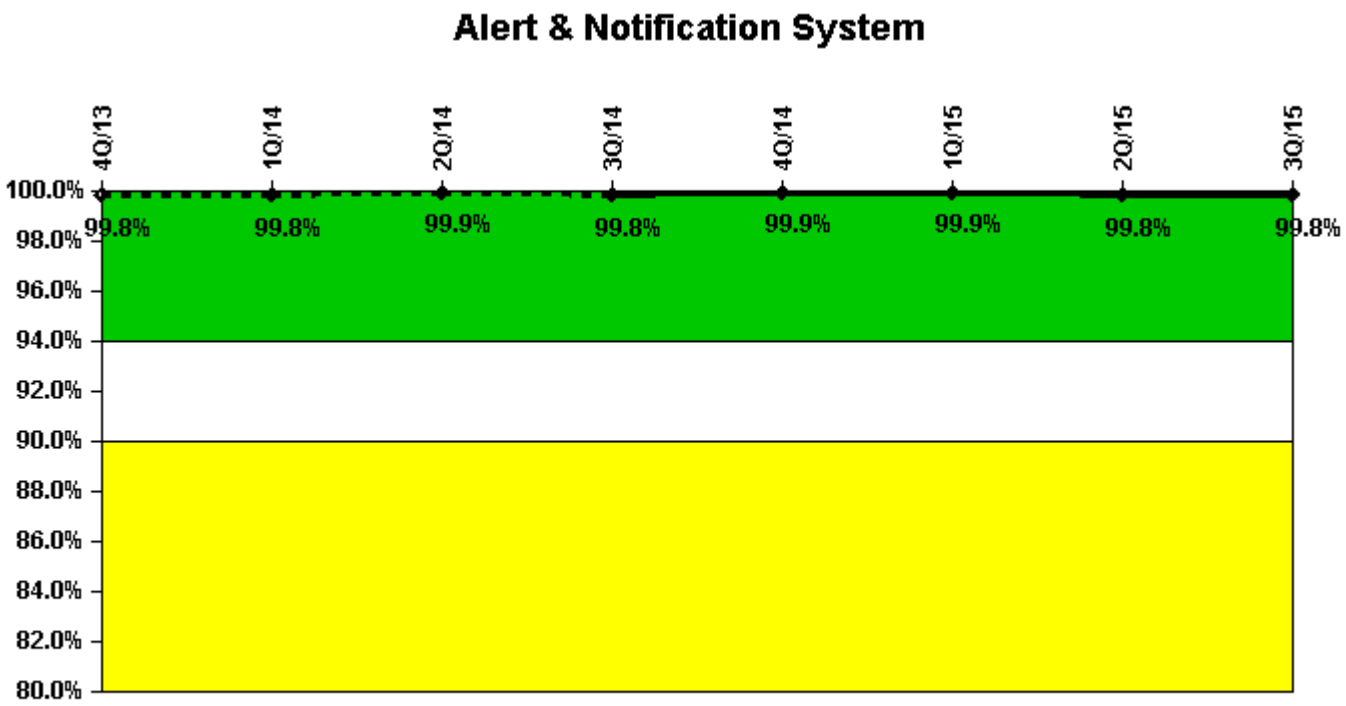


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	70.0	65.0	65.0	66.0	68.0	66.0	69.0	67.0
Total Key personnel	71.0	65.0	65.0	66.0	68.0	66.0	69.0	67.0
Indicator value	**98.6%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

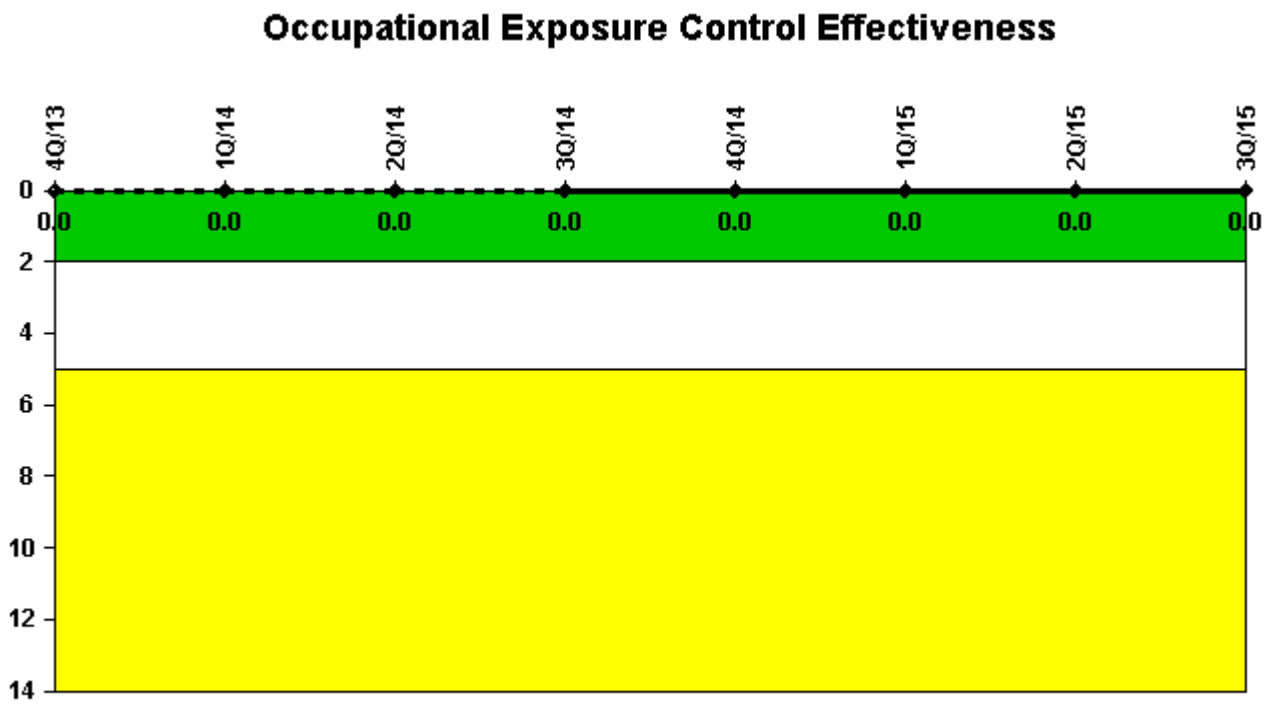


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	3060	3024	3070	3058	3070	3024	3059	3112
Total sirens-tests	3072	3024	3072	3072	3072	3024	3072	3120
Indicator value	**99.8%**	**99.8%**	**99.9%**	**99.8%**	**99.9%**	**99.9%**	**99.8%**	**99.8%**

Licensee Comments: none

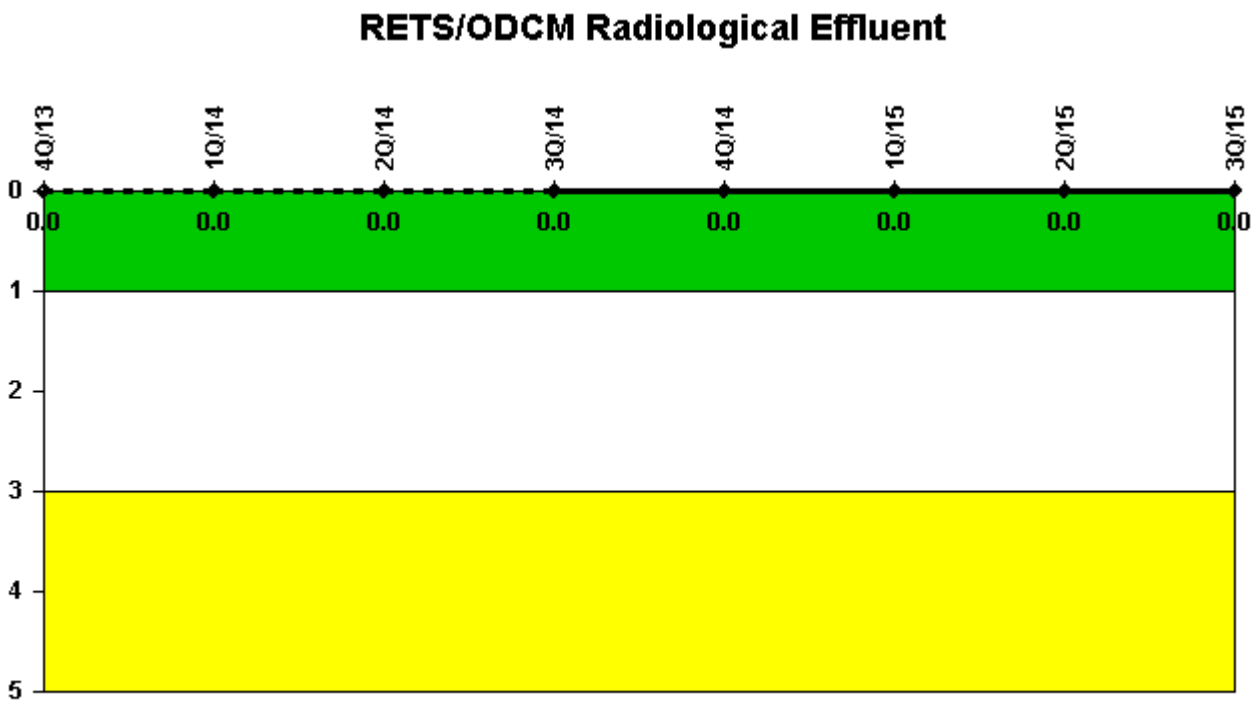


Thresholds: White > 2.0 Yellow > 5.0

Notes

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