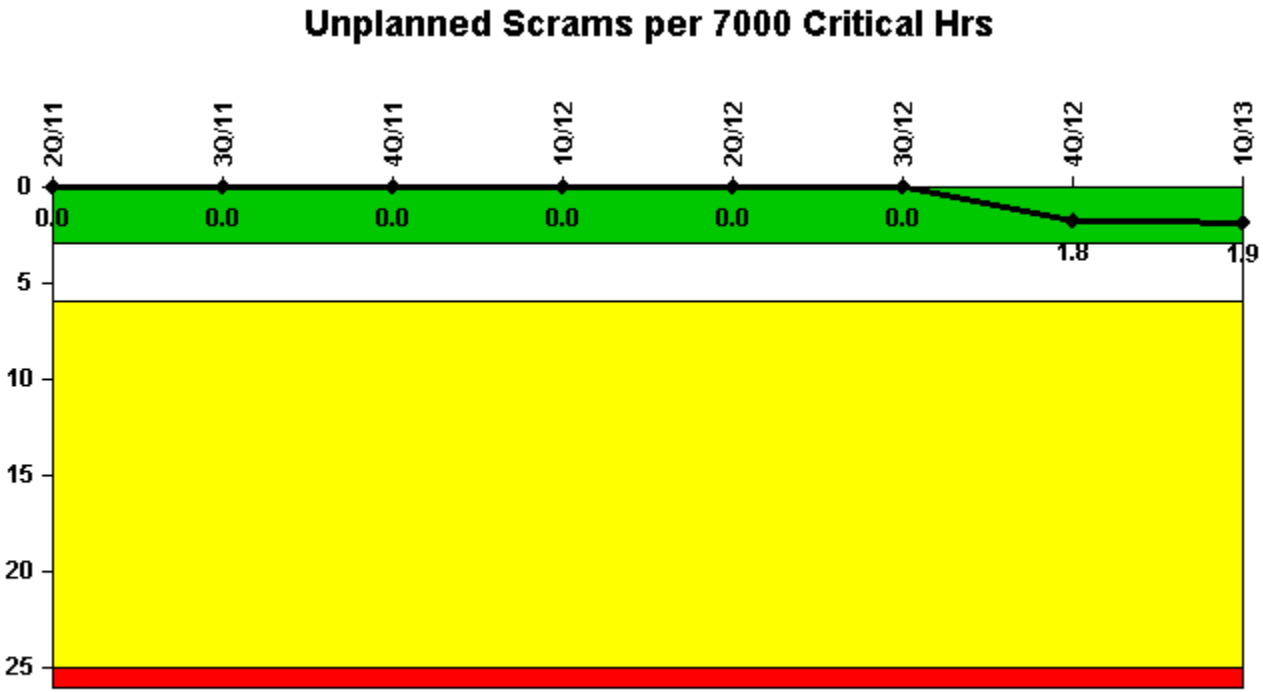
FitzPatrick

1Q/2013 Performance Indicators

Licensee's General Comments: none

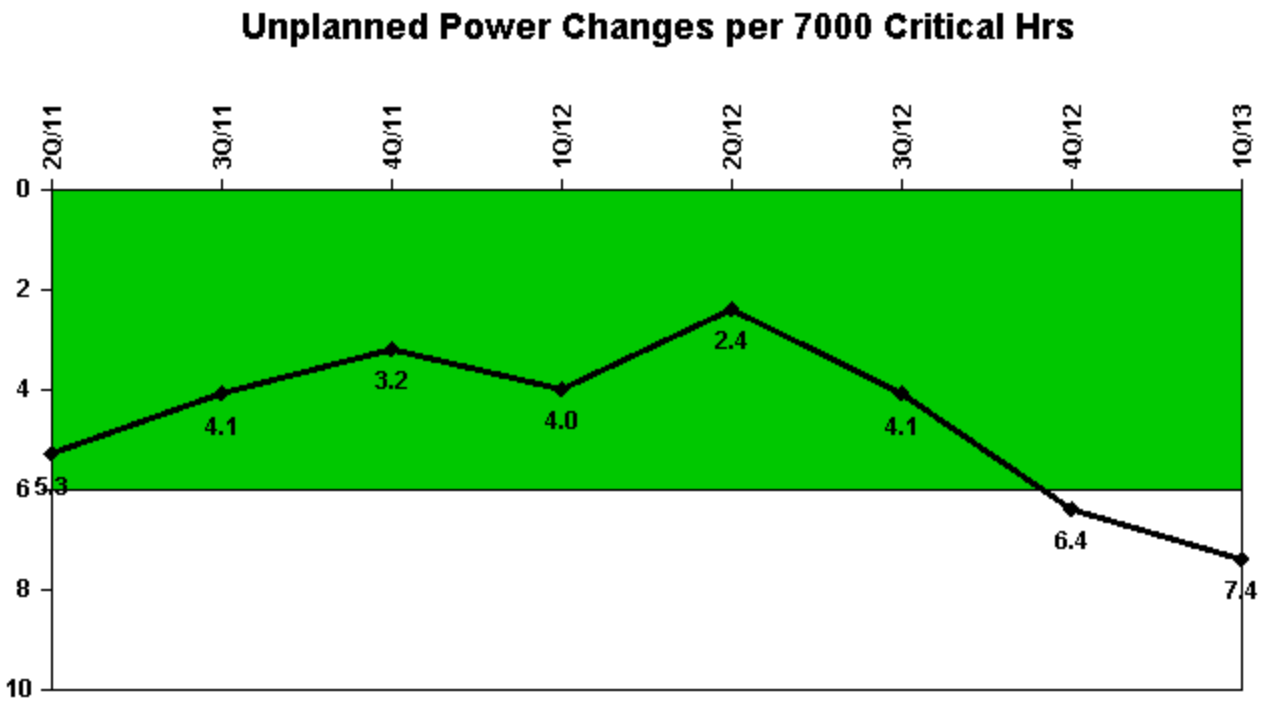


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	0	0	0	0	0	0	2.0	0
Critical hours	2184.0	2208.0	2209.0	2183.0	2184.0	1860.2	1432.9	2062.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.8**	**1.9**

Licensee Comments: none



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	3.0	0	0	2.0	1.0	2.0	2.0	3.0
Critical hours	2184.0	2208.0	2209.0	2183.0	2184.0	1860.2	1432.9	2062.0
Indicator value	**5.3**	**4.1**	**3.2**	**4.0**	**2.4**	**4.1**	**6.4**	**7.4**

Licensee Comments:

1Q/13: Multiple downpowers are due to repairs on the Main Condenser tube inleakage. This deficiency is a known issue but individual tube failures are not predictable. Compensatory measures, such as tube plugging and tube sleeving, have been performed to mitigate Main Condenser performance. There is no affect on public or nuclear safety.

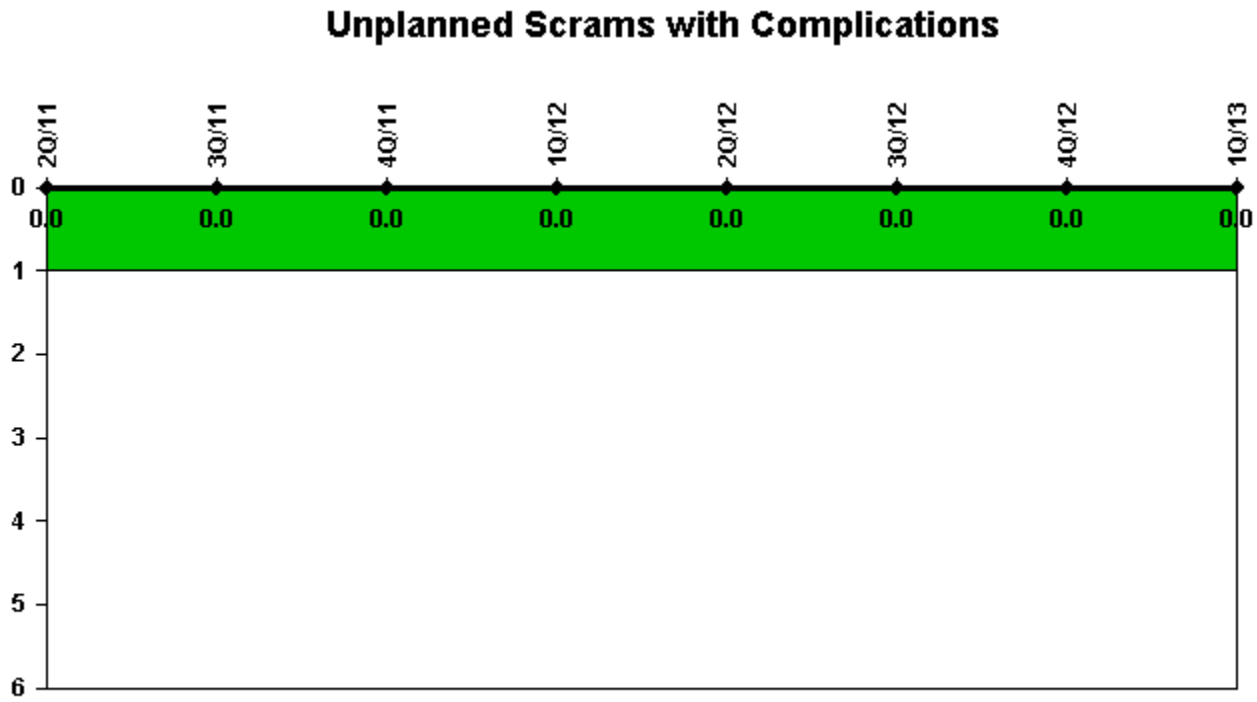
4Q/12: Multiple downpowers are due to repairs on the Main Condenser tube inleakage. This deficiency is a known issue but individual tube failures are not predictable. Compensatory measures, such as tube plugging and tube sleeving, have been performed to mitigate Main Condenser performance. There is no affect on public or nuclear safety.

4Q/11: A Power Change affecting May 2011 was changed to Unplanned based on a review by the Senior Resident Inspector. It involved a failed tube in the main condenser. Two (2) Power changes affecting June 2011 were reviewed by the Senior Resident inspector and by the ROP via the FAQ process. These two Power Changes were updated to Unplanned. They were caused by fouling of the main condenser due to maintenance work.

3Q/11: Three downpowers are being re-evaluated by the FAQ process to determine planned or unplanned status. Downpowers being considered for revision occurred on 5/6/11, 6/7/11, and 6/9/11. These include 1 downpower to repair main condenser tube leaks and 2 downpowers caused by defishing the main condenser during Traveling

Screen maintenance.

2Q/11: Based on review with the Resident Inspector 1 power change in May was reclassified as unplanned. Two down powers in June were reviewed through the FAQ process and determined to not meet the NEI 99-02 environmental exclusion and were reclassified as unplanned.

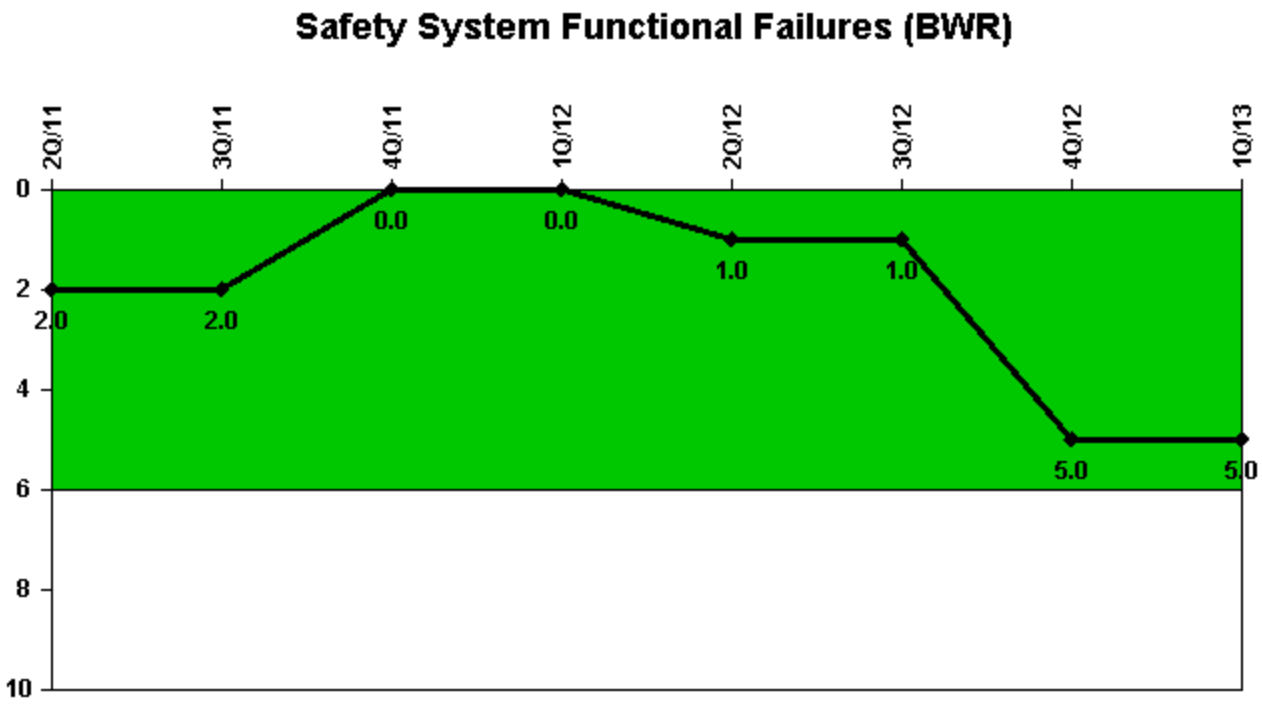


Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
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

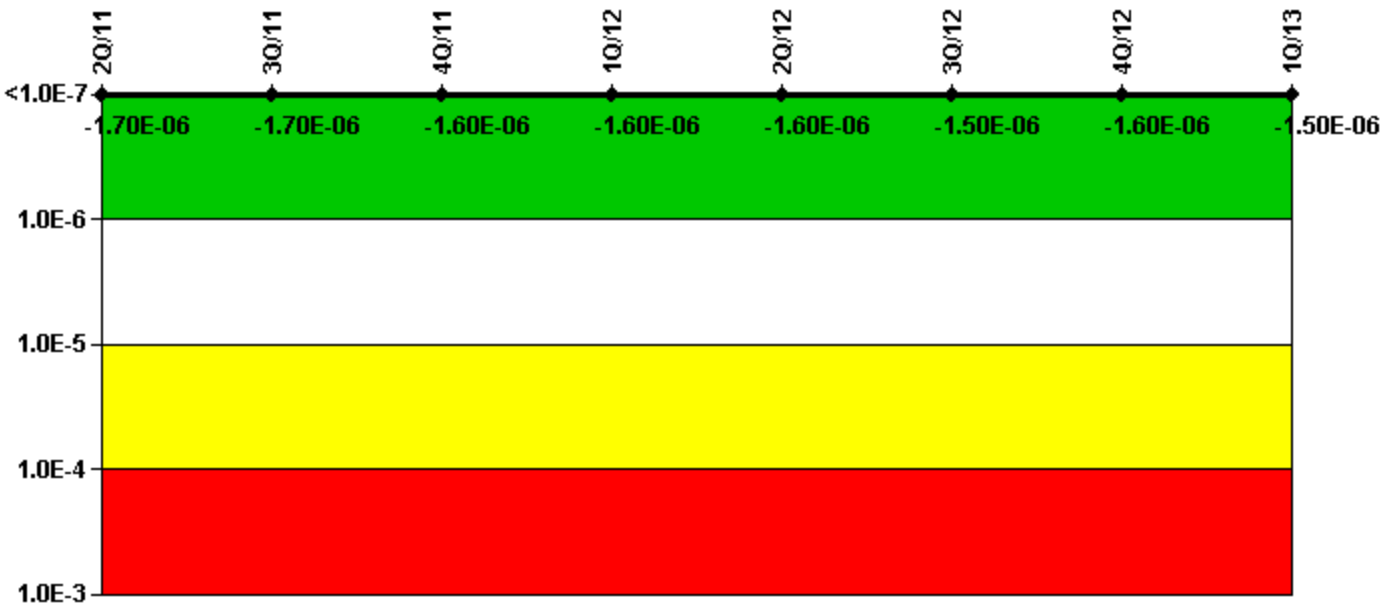
Safety System Functional Failures (BWR)	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Safety System Functional Failures	0	0	0	0	1	0	4	0
Indicator value	**2**	**2**	**0**	**0**	**1**	**1**	**5**	**5**

Licensee Comments:

4Q/12: LER-12-002, LER-12-003, LER-12-005, LER-12-006

2Q/12: LER-2012-001, Unit Cooler Fan Motor Contactor Low Voltage Test Failure Results in Loss of Safety Function and Condition Prohibited by the Technical Specifications, reported in June 2012

Mitigating Systems Performance Index, Emergency AC Power System



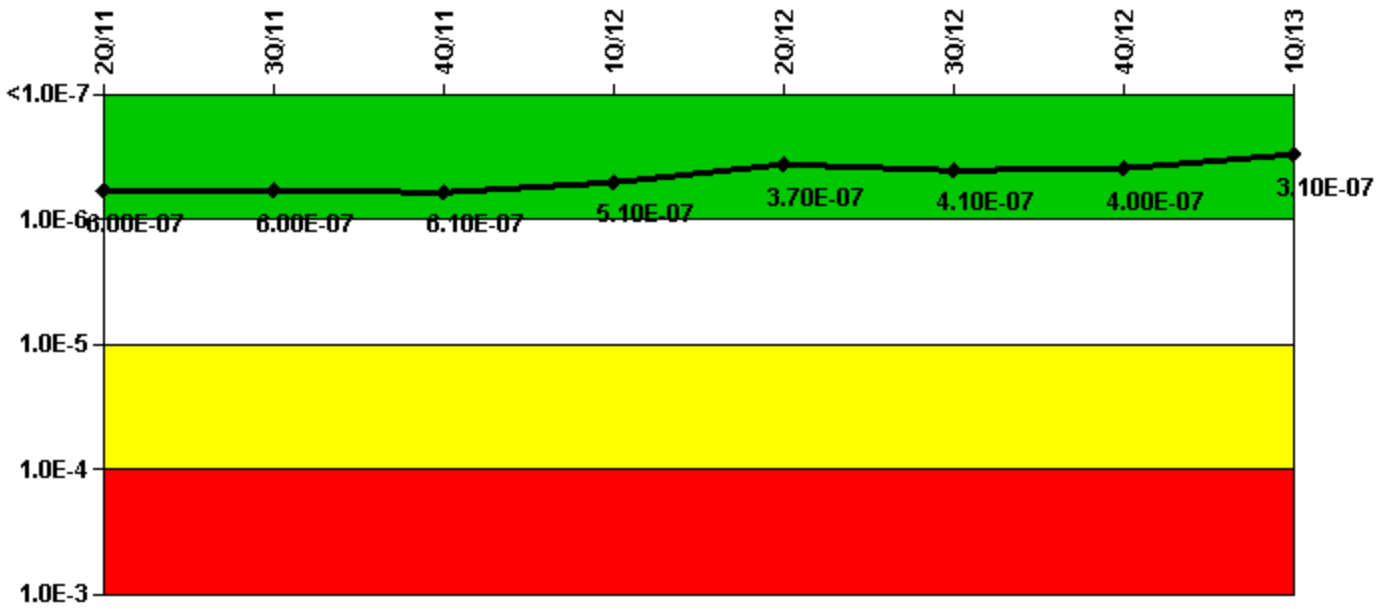
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (ΔCDF)	8.43E-09	7.54E-09	8.45E-09	1.05E-08	3.31E-09	3.14E-09	7.74E-10	9.99E-10
URI (ΔCDF)	-1.74E-06	-1.68E-06	-1.66E-06	-1.66E-06	-1.56E-06	-1.52E-06	-1.61E-06	-1.53E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-06**	**-1.70E-06**	**-1.60E-06**	**-1.60E-06**	**-1.60E-06**	**-1.50E-06**	**-1.60E-06**	**-1.50E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

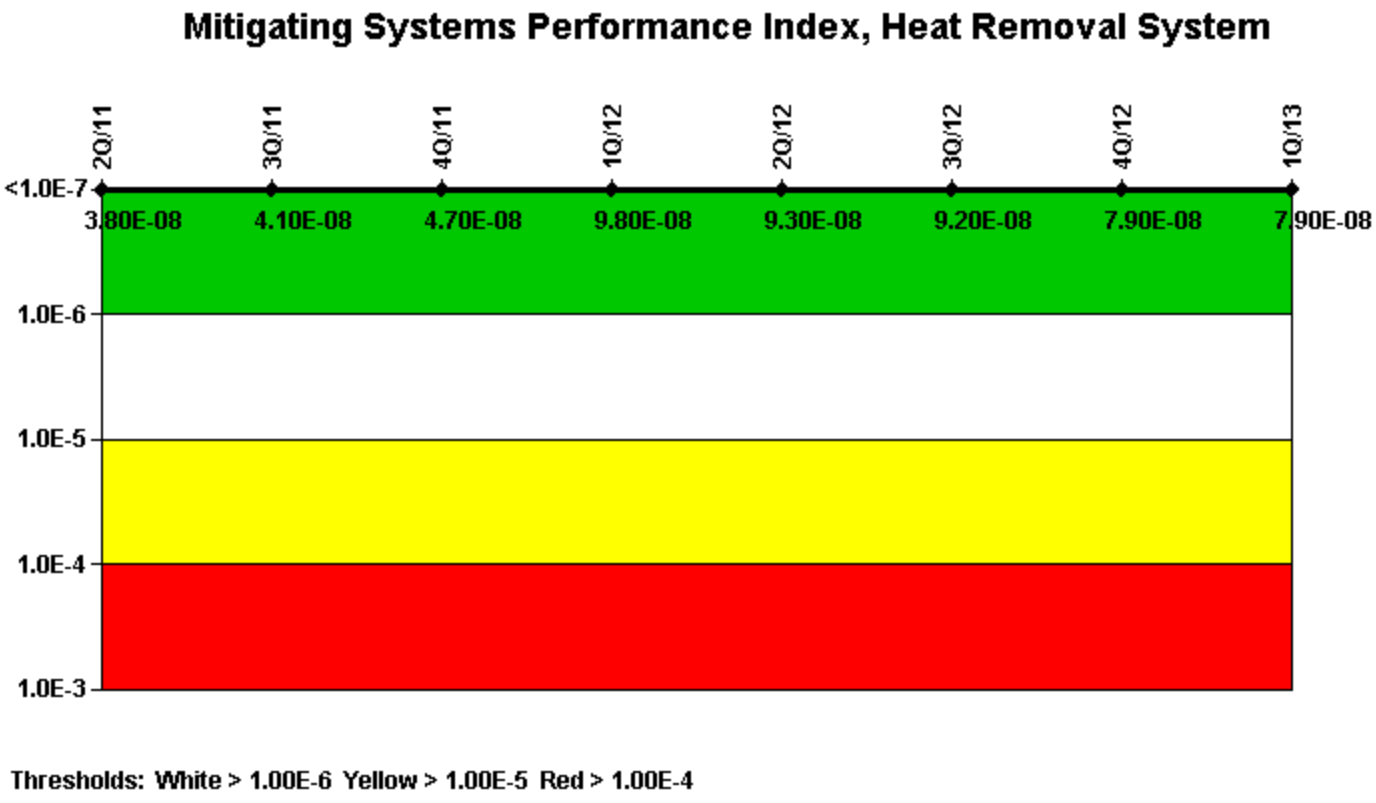


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (ΔCDF)	1.11E-07	1.06E-07	1.06E-07	9.04E-09	6.84E-08	9.29E-08	9.64E-08	1.98E-08
URI (ΔCDF)	4.94E-07	4.94E-07	5.03E-07	5.04E-07	3.05E-07	3.17E-07	3.04E-07	2.93E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.00E-07**	**6.00E-07**	**6.10E-07**	**5.10E-07**	**3.70E-07**	**4.10E-07**	**4.00E-07**	**3.10E-07**

Licensee Comments: none



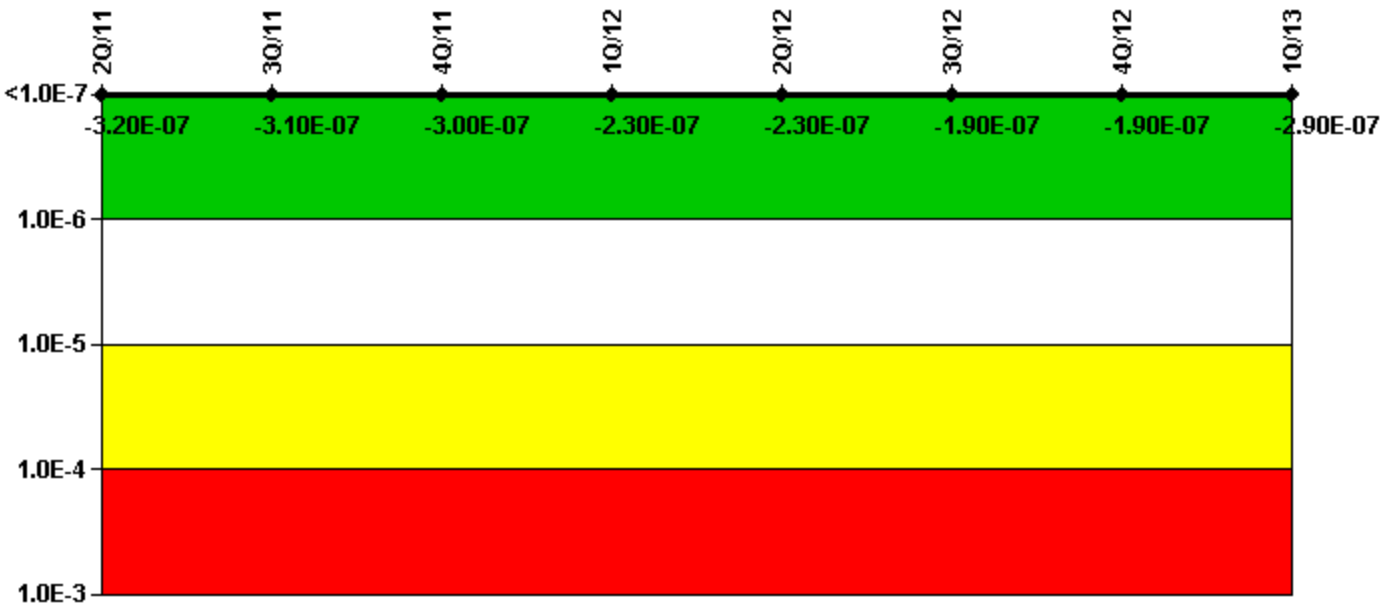
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (ΔCDF)	4.46E-09	8.93E-09	1.32E-08	6.19E-08	5.74E-08	6.05E-08	5.37E-08	5.42E-08
URI (ΔCDF)	3.40E-08	3.17E-08	3.41E-08	3.63E-08	3.60E-08	3.19E-08	2.52E-08	2.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.80E-08**	**4.10E-08**	**4.70E-08**	**9.80E-08**	**9.30E-08**	**9.20E-08**	**7.90E-08**	**7.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



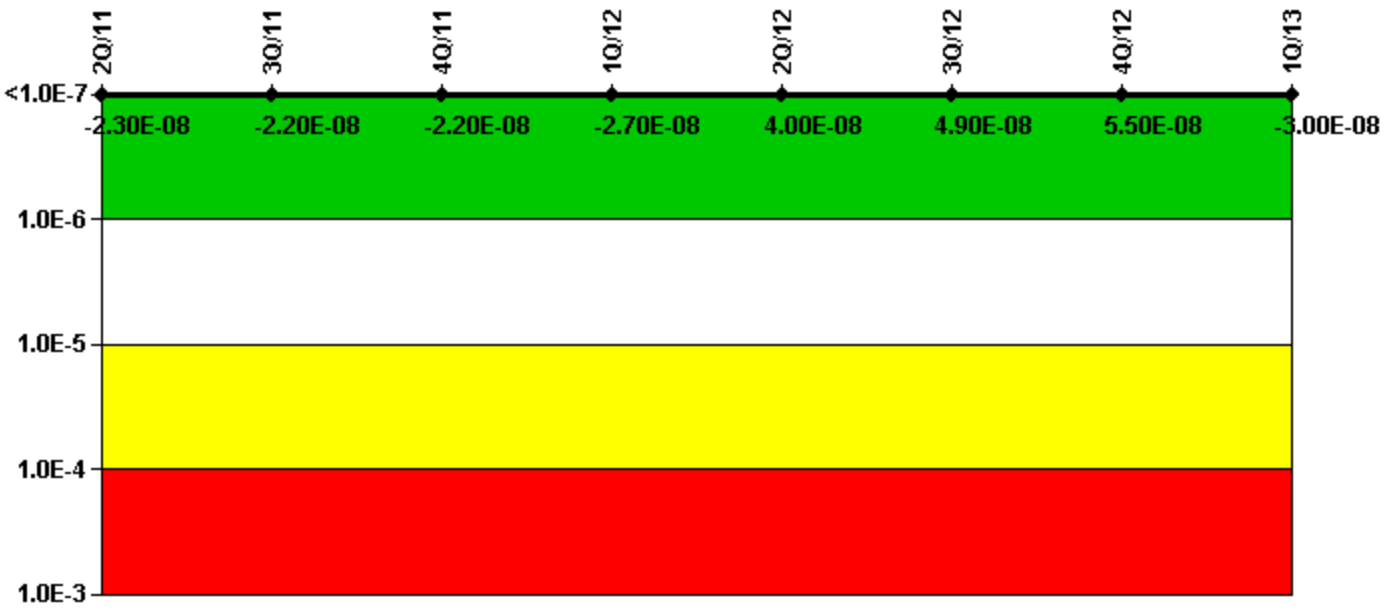
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (ΔCDF)	-3.12E-08	-3.60E-08	-3.82E-08	3.46E-08	2.86E-08	6.97E-08	8.15E-08	-1.40E-08
URI (ΔCDF)	-2.84E-07	-2.75E-07	-2.67E-07	-2.61E-07	-2.56E-07	-2.62E-07	-2.76E-07	-2.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-07**	**-3.10E-07**	**-3.00E-07**	**-2.30E-07**	**-2.30E-07**	**-1.90E-07**	**-1.90E-07**	**-2.90E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



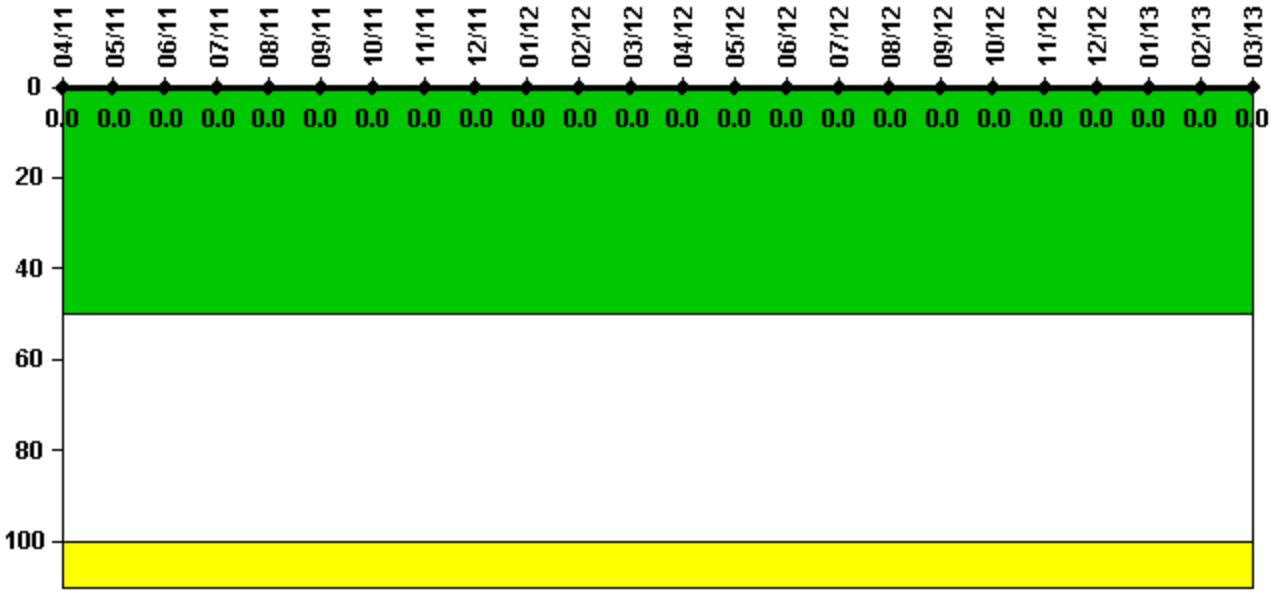
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-1.04E-08	-1.04E-08	-1.04E-08	-1.58E-08	5.21E-08	6.07E-08	6.65E-08	-1.79E-08
URI (ΔCDF)	-1.23E-08	-1.17E-08	-1.16E-08	-1.17E-08	-1.16E-08	-1.16E-08	-1.15E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.20E-08**	**-2.20E-08**	**-2.70E-08**	**4.00E-08**	**4.90E-08**	**5.50E-08**	**-3.00E-08**

Licensee Comments: none

Reactor Coolant System Activity



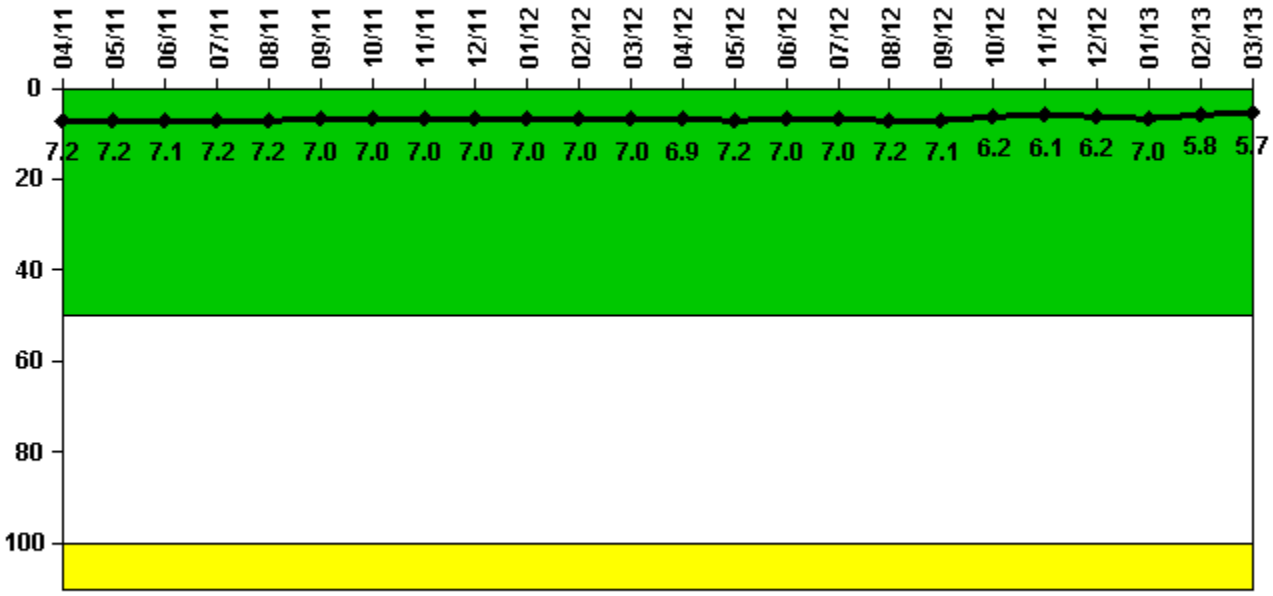
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.000023	0.000042	0.000019	0.000015	0.000018	0.000020	0.000015	0.000012	0.000024	0.000038	0.000019	0.000020
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	**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	0.000033	0.000036	0.000023	0.000068	0.000024	0.000026	0.000018	0.000012	0.000016	0.000016	0.000012	0.000012
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

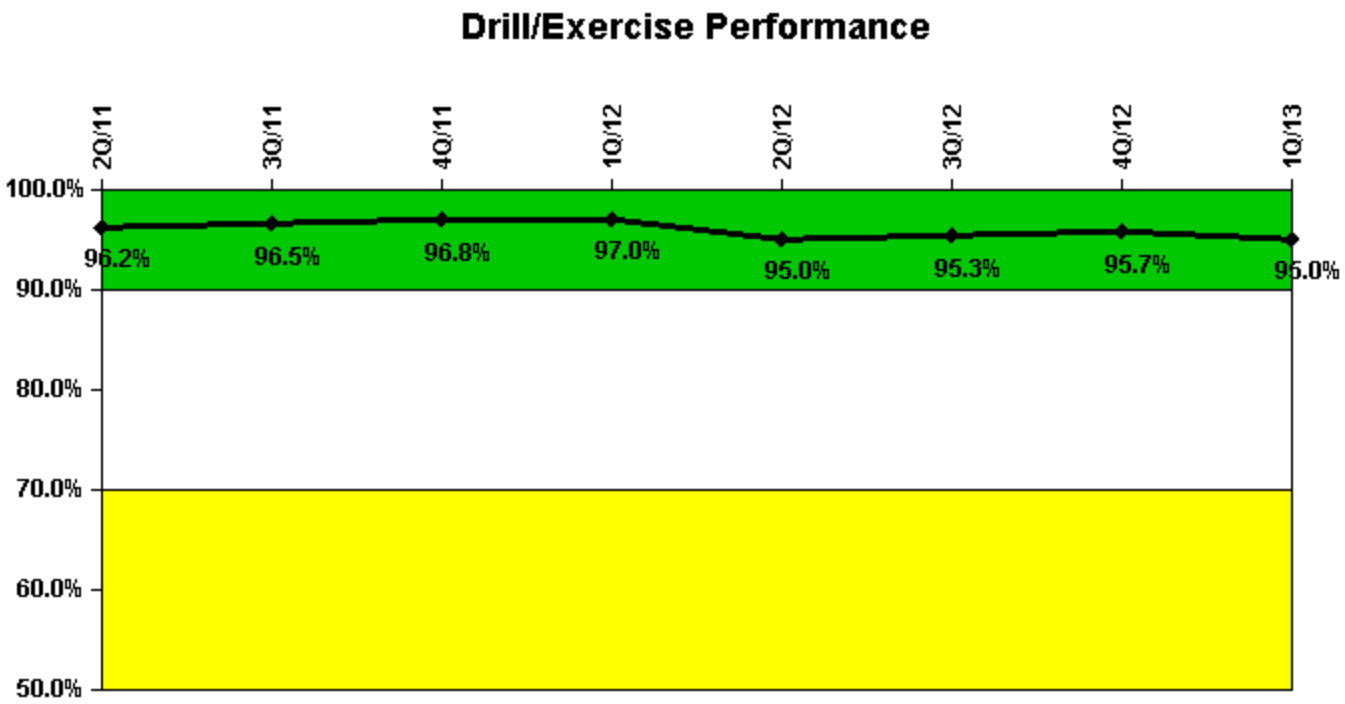


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	1.790	1.790	1.780	1.800	1.800	1.750	1.740	1.740	1.740	1.740	1.760	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	**7.2**	**7.2**	**7.1**	**7.2**	**7.2**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**
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	1.720	1.810	1.740	1.760	1.790	1.780	1.550	1.530	1.550	1.740	1.460	1.430
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	**6.9**	**7.2**	**7.0**	**7.0**	**7.2**	**7.1**	**6.2**	**6.1**	**6.2**	**7.0**	**5.8**	**5.7**

Licensee Comments: none

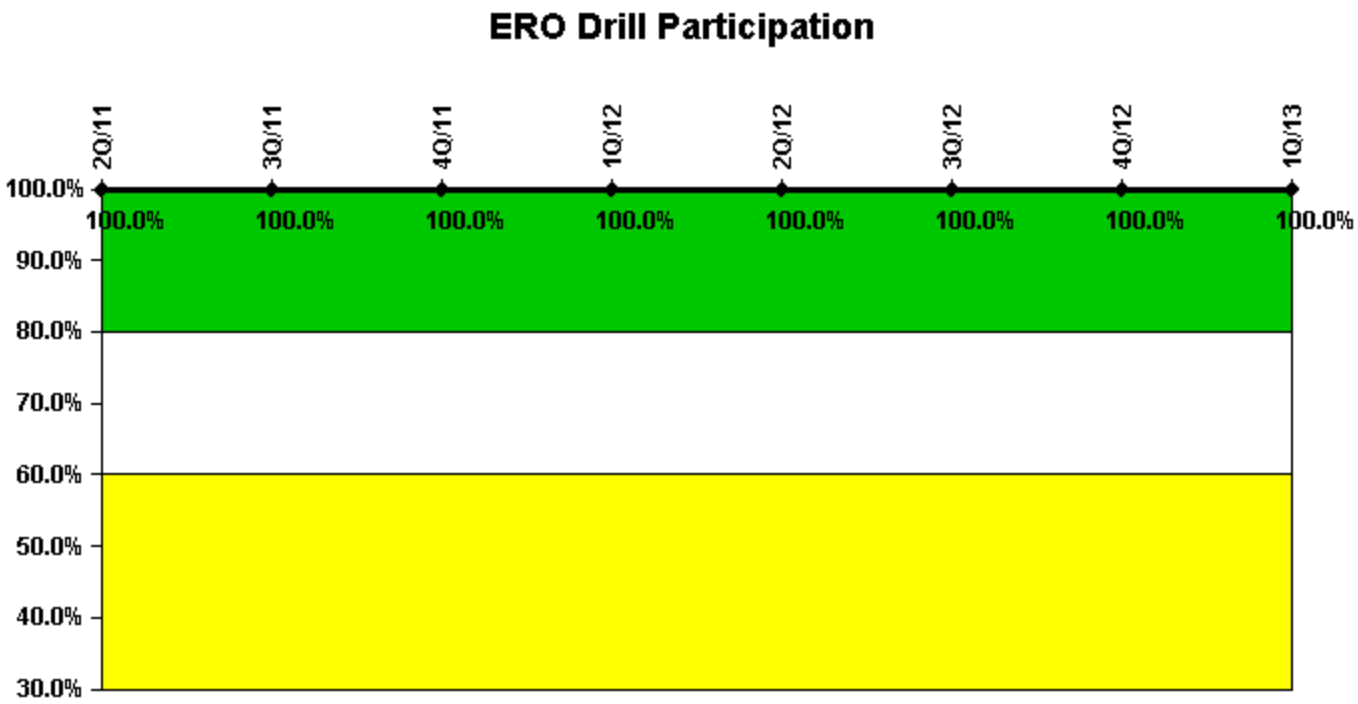


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	58.0	25.0	7.0	30.0	39.0	28.0	15.0	26.0
Total opportunities	58.0	26.0	8.0	31.0	46.0	28.0	15.0	28.0
Indicator value	**96.2%**	**96.5%**	**96.8%**	**97.0%**	**95.0%**	**95.3%**	**95.7%**	**95.0%**

Licensee Comments: none

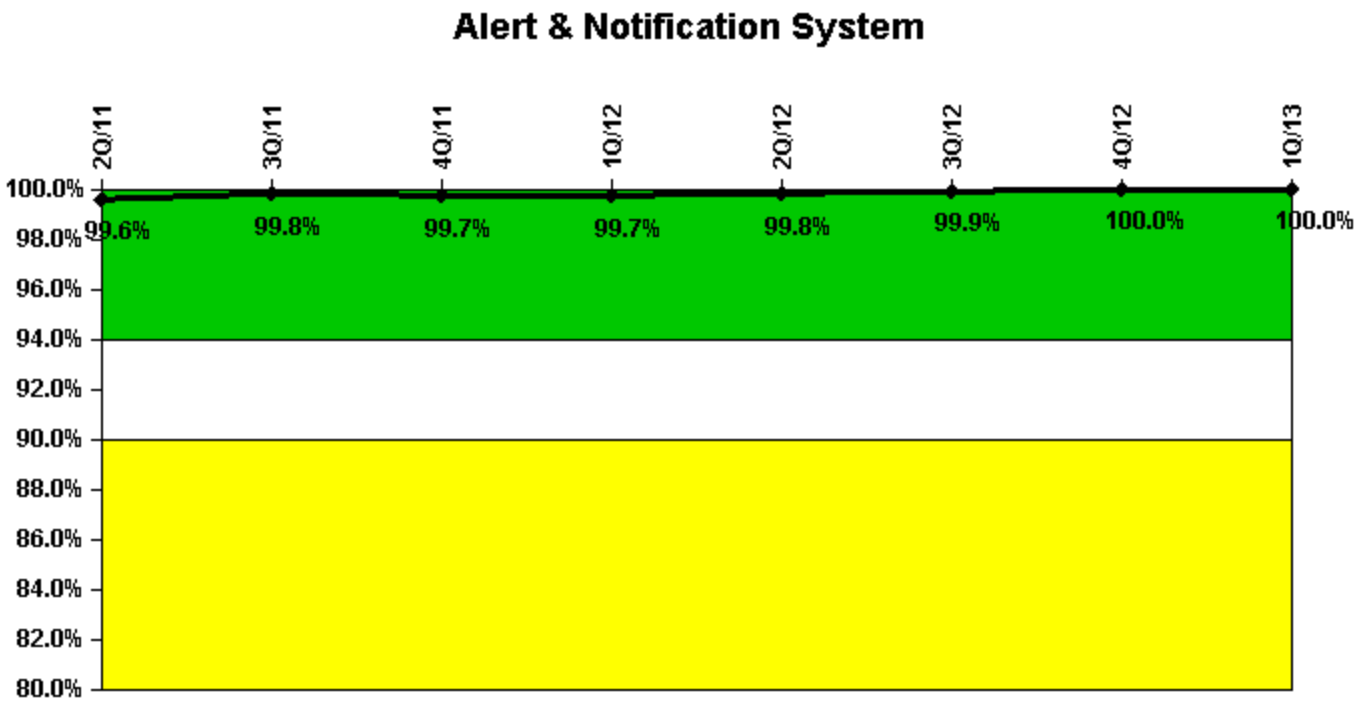


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	67.0	73.0	74.0	71.0	72.0	75.0	78.0	80.0
Total Key personnel	67.0	73.0	74.0	71.0	72.0	75.0	78.0	80.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

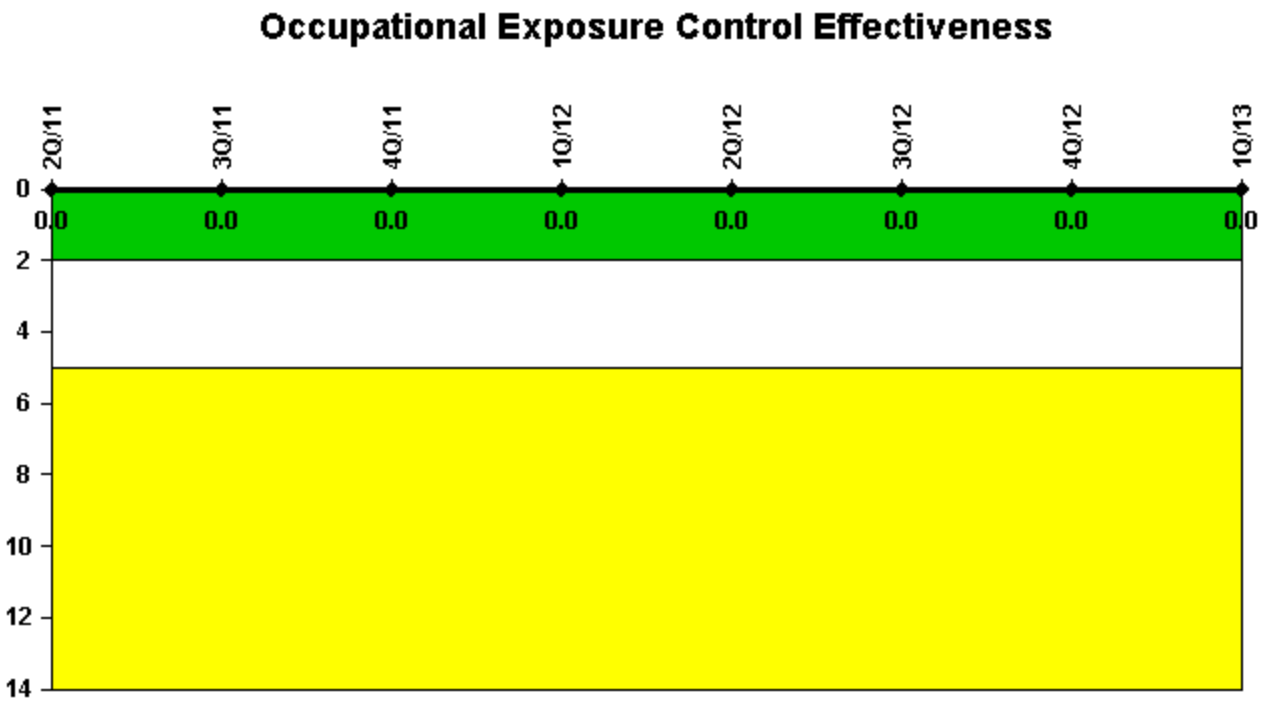


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	258	258	295	222	296	222	333	222
Total sirens-tests	259	259	296	222	296	222	333	222
Indicator value	**99.6%**	**99.8%**	**99.7%**	**99.7%**	**99.8%**	**99.9%**	**100.0%**	**100.0%**

Licensee Comments: none

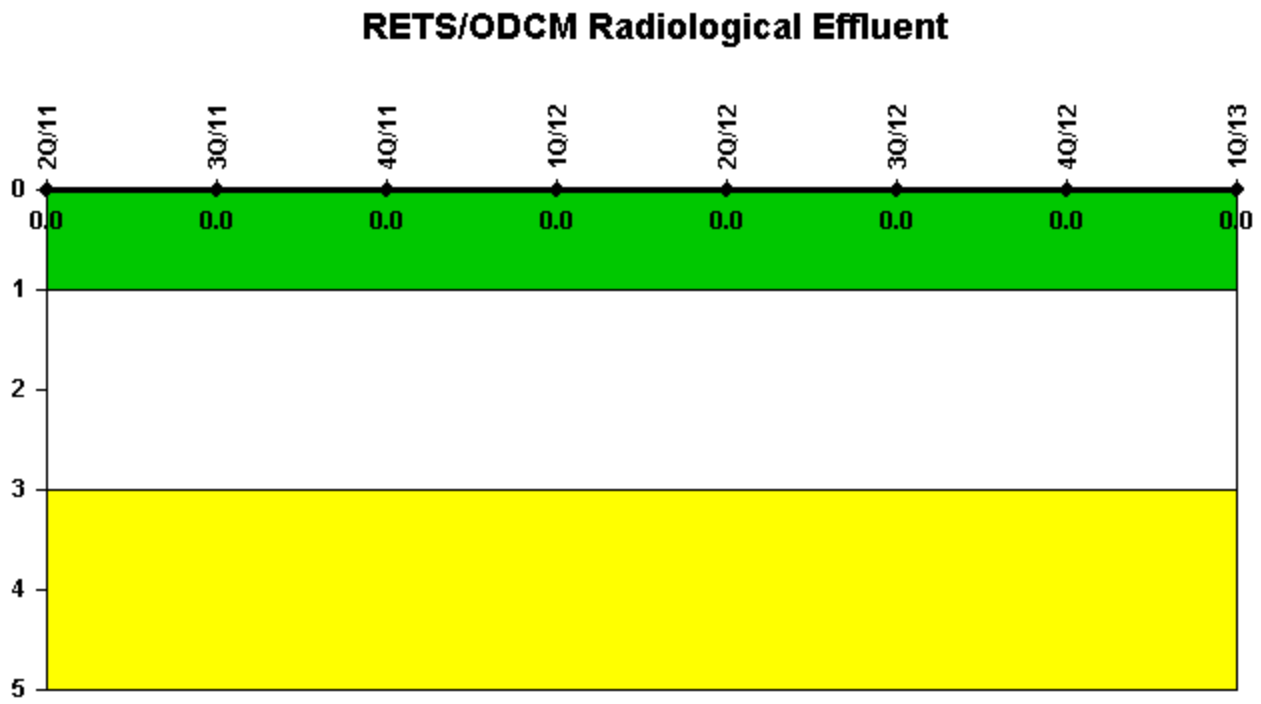


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
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/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
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, 2013