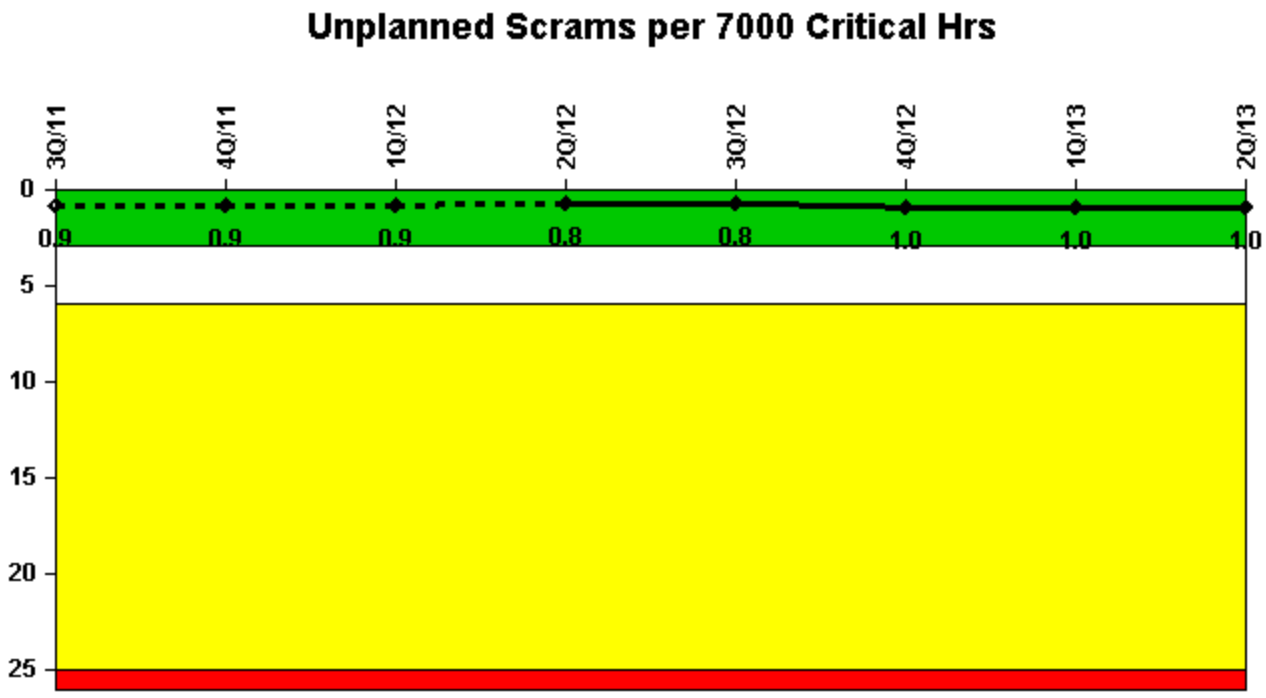
Prairie Island 1

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: 1Q2013 Drill Participation numbers changed - no impact to indicator color

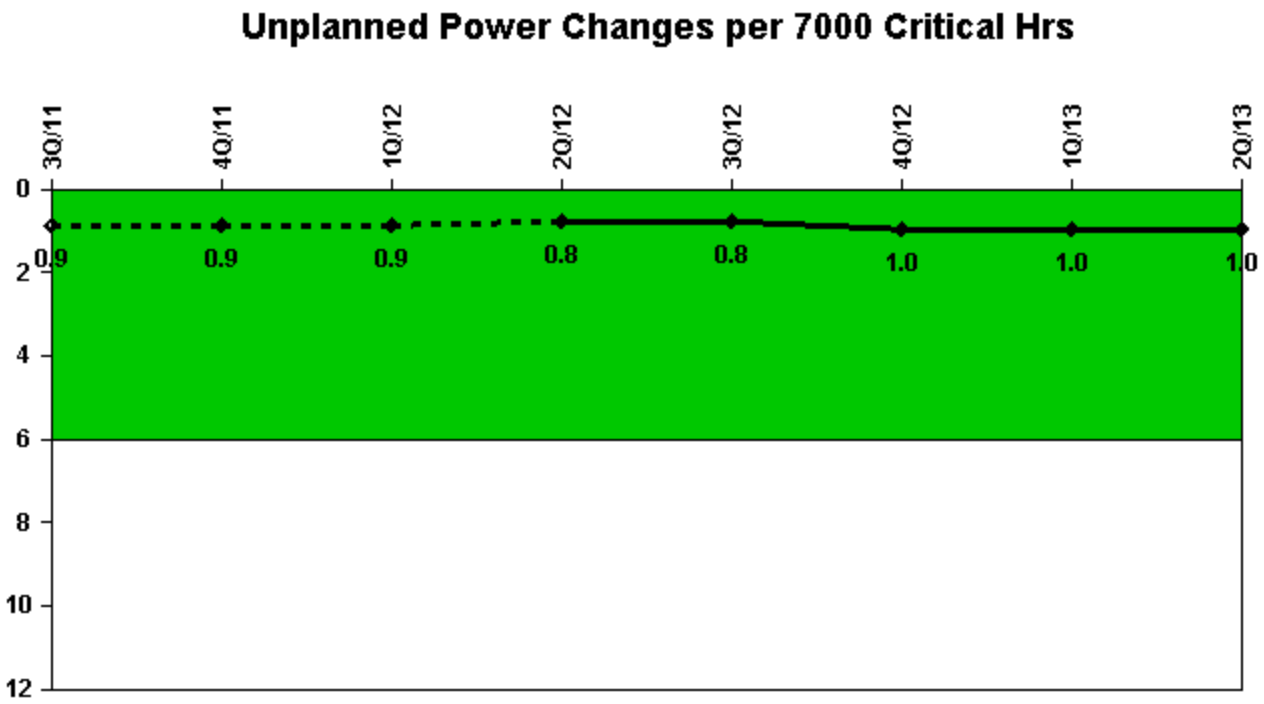


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	1.0	0	0	0	1.0	0	0	0
Critical hours	2183.9	2209.0	2183.0	2184.0	2095.9	533.8	2159.0	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

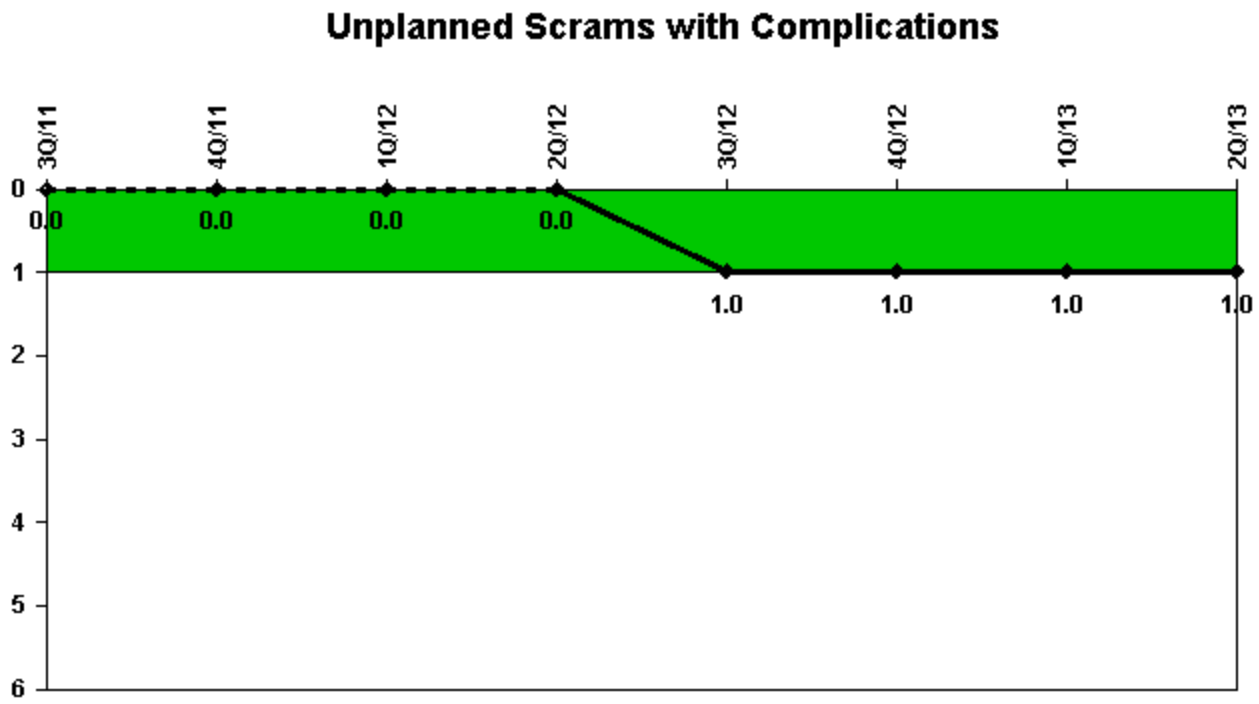


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	1.0	0	0	0	1.0	0	0	0
Critical hours	2183.9	2209.0	2183.0	2184.0	2095.9	533.8	2159.0	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

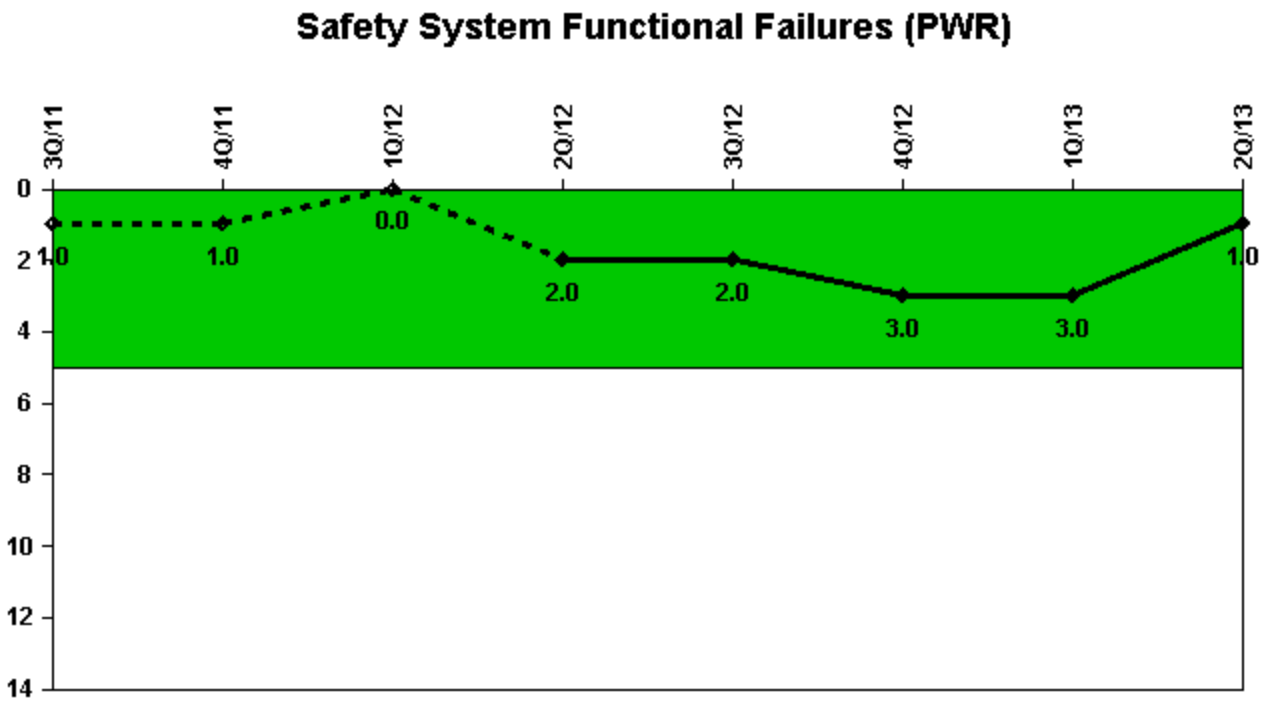


Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Scrams with complications	0	0	0	0	1.0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none



Thresholds: White > 5.0

Notes

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

Licensee Comments:

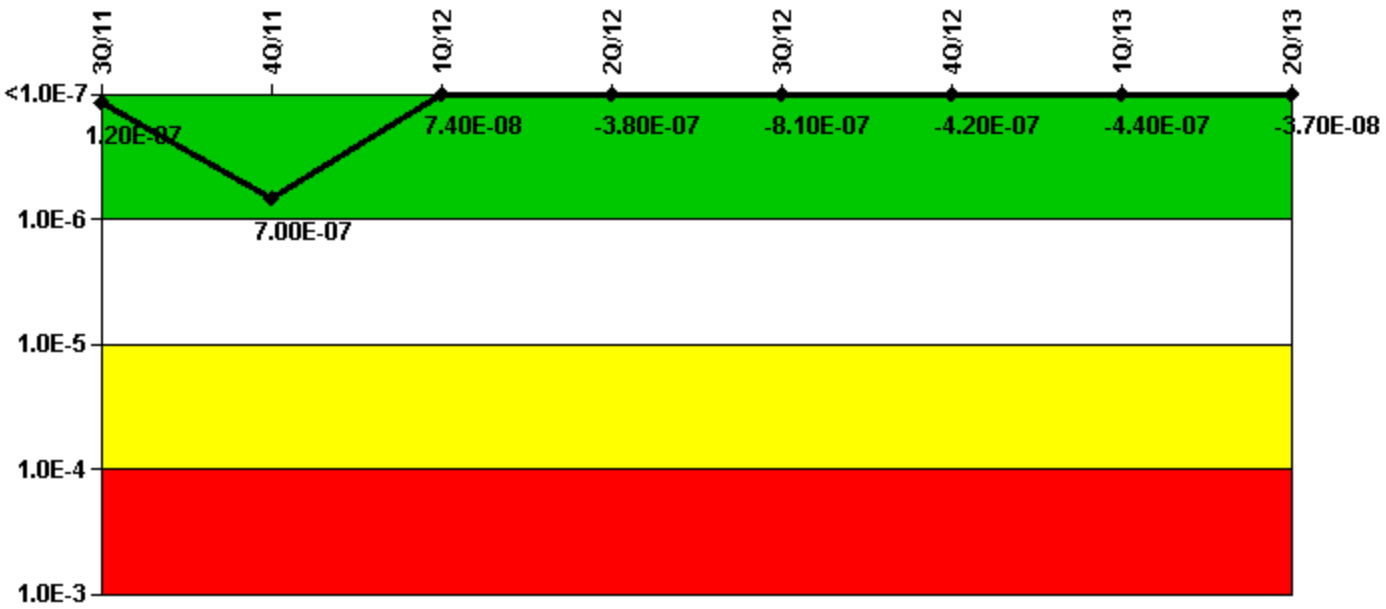
4Q/12: LER 50-282/2012-005-00, Oct 12, 2012, Unit 1 Diesel Generator Declared inoperable due to exhaust fire. Loss of both DGs represents a loss of redundancy in the availability of electrical power systems.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures. This LER was retracted on 12/13/12.

3Q/12: LER 50-282/2012-004-00, Sept 14, 2012, Unit 1 Emergency Diesel Generators Declared inoperable due to high ambient temperatures.

2Q/12: LER# 50-282/2012-001-00, Non-Conservative Calculation of Diesel Fuel Storage Requirements. SSFF for Unit 1 - reported as 2 SSFF's due to the time between issues. Additional engineering evaluation will be done to determine if one SSFF can be retracted.

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	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	6.90E-08	3.63E-07	9.76E-08	3.07E-09	-5.32E-08	-5.27E-08	-5.27E-08	-1.64E-08
URI (ΔCDF)	5.30E-08	3.40E-07	-2.39E-08	-3.88E-07	-7.52E-07	-3.72E-07	-3.86E-07	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**7.00E-07**	**7.40E-08**	**-3.80E-07**	**-8.10E-07**	**-4.20E-07**	**-4.40E-07**	**-3.70E-08**

Licensee Comments:

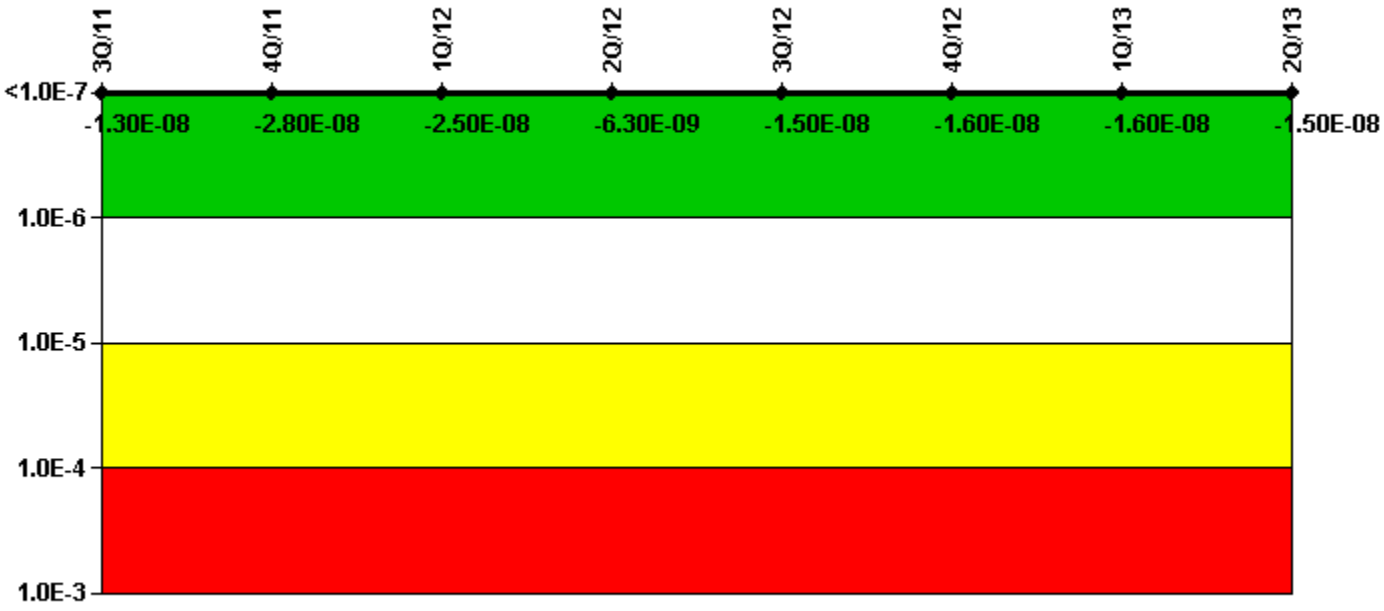
2Q/13: Changed PRA Parameter(s).

4Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

3Q/12: Revised 3rd and 4th quarter 2012 indicator based on incomplete data. No thresholds exceeded, indicator remains green.

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

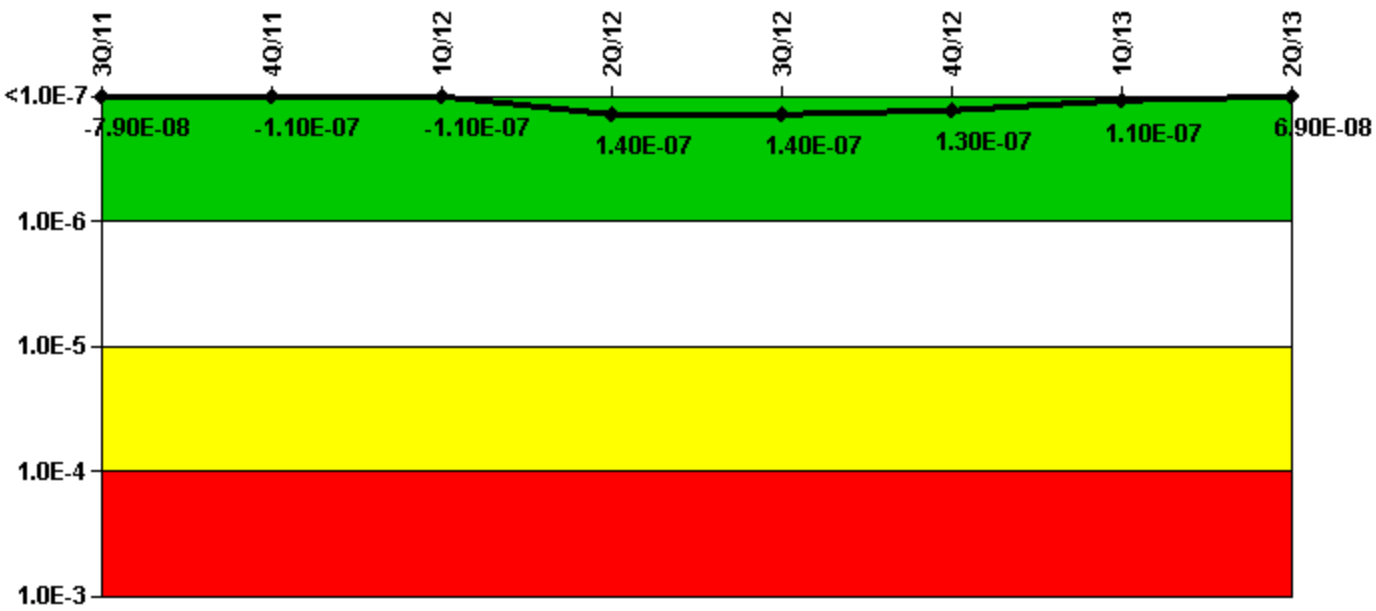
Mitigating Systems Performance Index, High Pressure Injection System	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	-2.17E-09	-3.63E-09	-9.25E-10	1.91E-08	1.09E-08	1.16E-08	1.20E-08	1.13E-08
URI (ΔCDF)	-1.12E-08	-2.42E-08	-2.45E-08	-2.54E-08	-2.57E-08	-2.75E-08	-2.75E-08	-2.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-2.80E-08**	**-2.50E-08**	**-6.30E-09**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-1.50E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s). All MSPI coefficients changed as a result of the PRA Model being updated to Revision 3.1.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

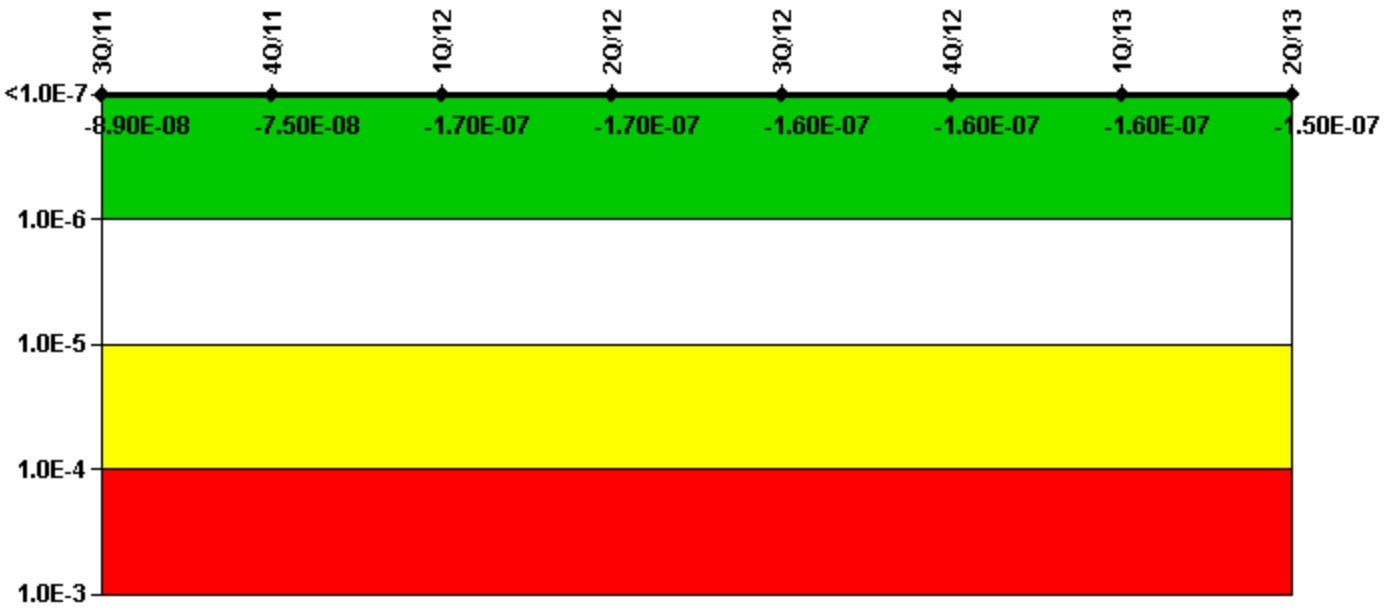
Mitigating Systems Performance Index, Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	-1.47E-09	3.39E-08	3.42E-08	3.23E-08	3.06E-08	2.97E-08	8.34E-09	-2.54E-08
URI (ΔCDF)	-7.77E-08	-1.45E-07	-1.45E-07	1.08E-07	1.06E-07	1.01E-07	9.91E-08	9.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.90E-08**	**-1.10E-07**	**-1.10E-07**	**1.40E-07**	**1.40E-07**	**1.30E-07**	**1.10E-07**	**6.90E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

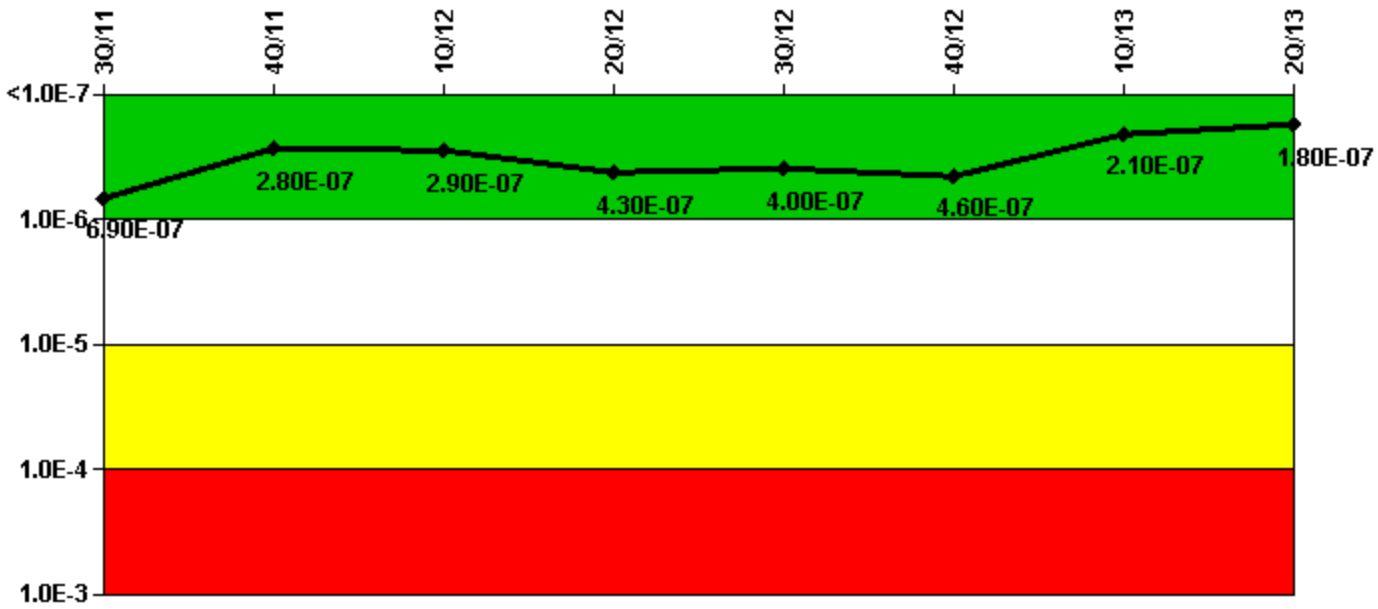
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	4.51E-08	6.32E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.68E-08	-2.38E-08
URI (ΔCDF)	-1.34E-07	-1.39E-07	-1.39E-07	-1.39E-07	-1.31E-07	-1.35E-07	-1.35E-07	-1.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-08**	**-7.50E-08**	**-1.70E-07**	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

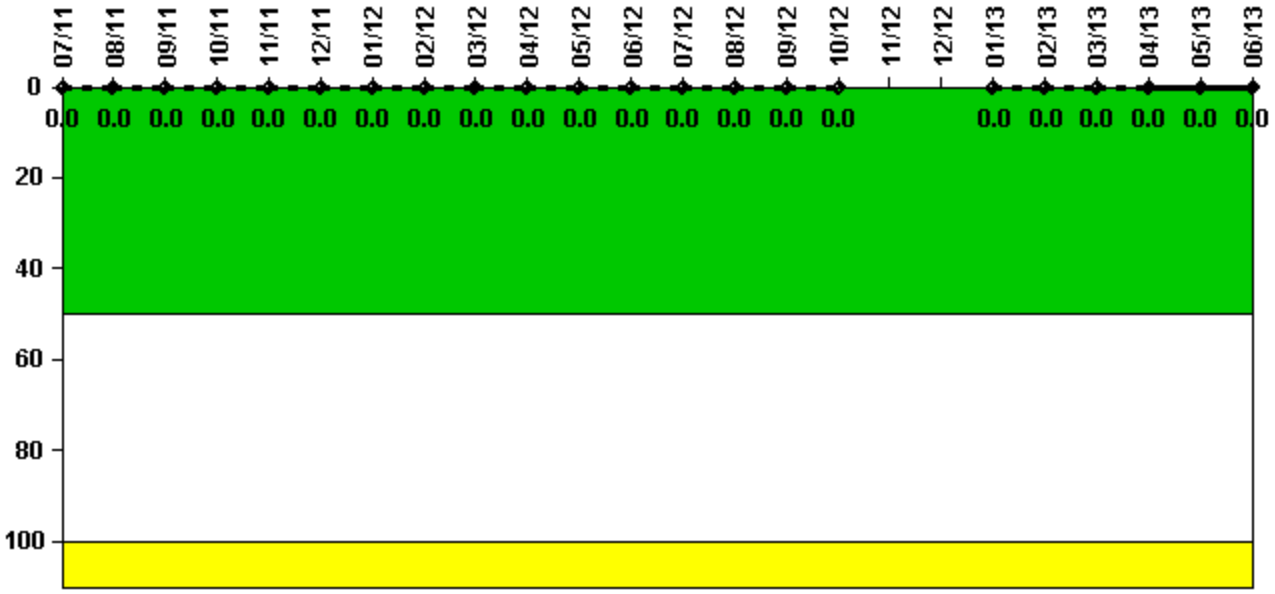
Mitigating Systems Performance Index, Cooling Water Systems	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	1.18E-06	6.93E-07	6.98E-07	8.36E-07	7.97E-07	8.66E-07	6.17E-07	4.51E-07
URI (ΔCDF)	-4.83E-07	-4.15E-07	-4.12E-07	-4.03E-07	-3.95E-07	-4.05E-07	-4.02E-07	-2.66E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.90E-07**	**2.80E-07**	**2.90E-07**	**4.30E-07**	**4.00E-07**	**4.60E-07**	**2.10E-07**	**1.80E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

4Q/11: Changed PRA Parameter(s).

Reactor Coolant System Activity



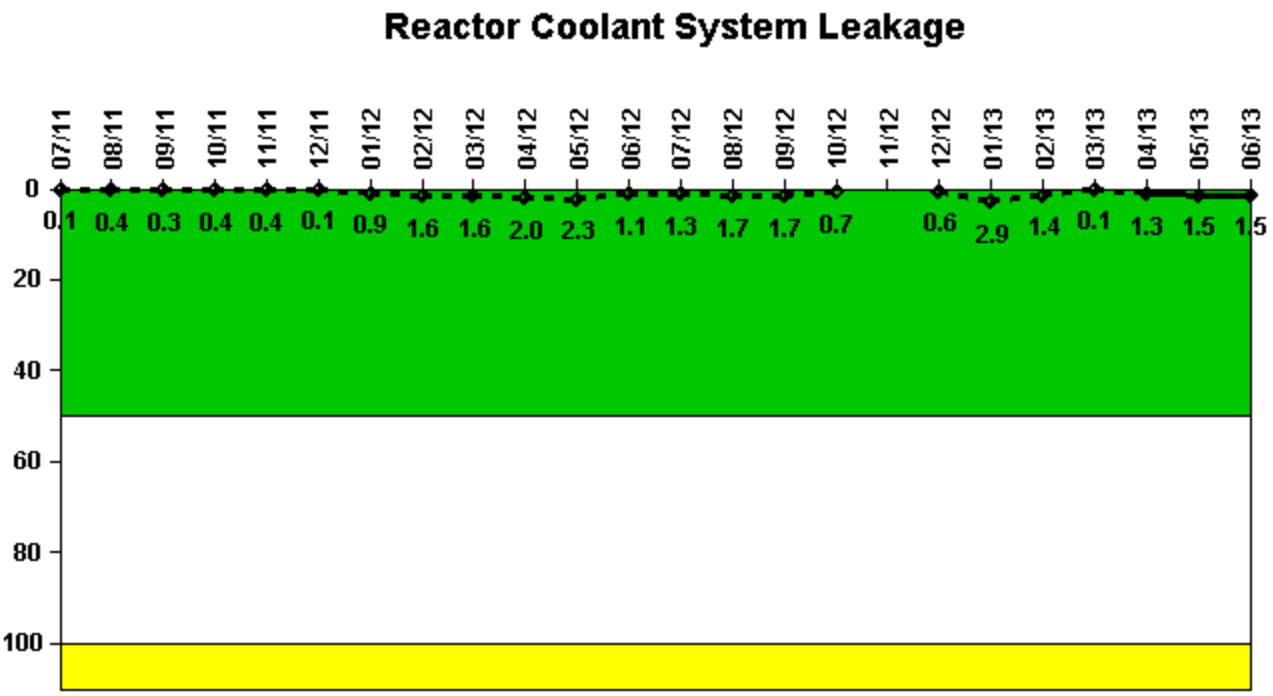
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum activity	0.000178	0.000095	0.000100	0.000110	0.000104	0.000111	0.000158	0.000116	0.000172	0.000106	0.000116	0.000123
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum activity	0.000126	0.000118	0.000124	0.000128	N/A	N/A	0.000068	0.000068	0.000118	0.000081	0.000081	0.000085
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

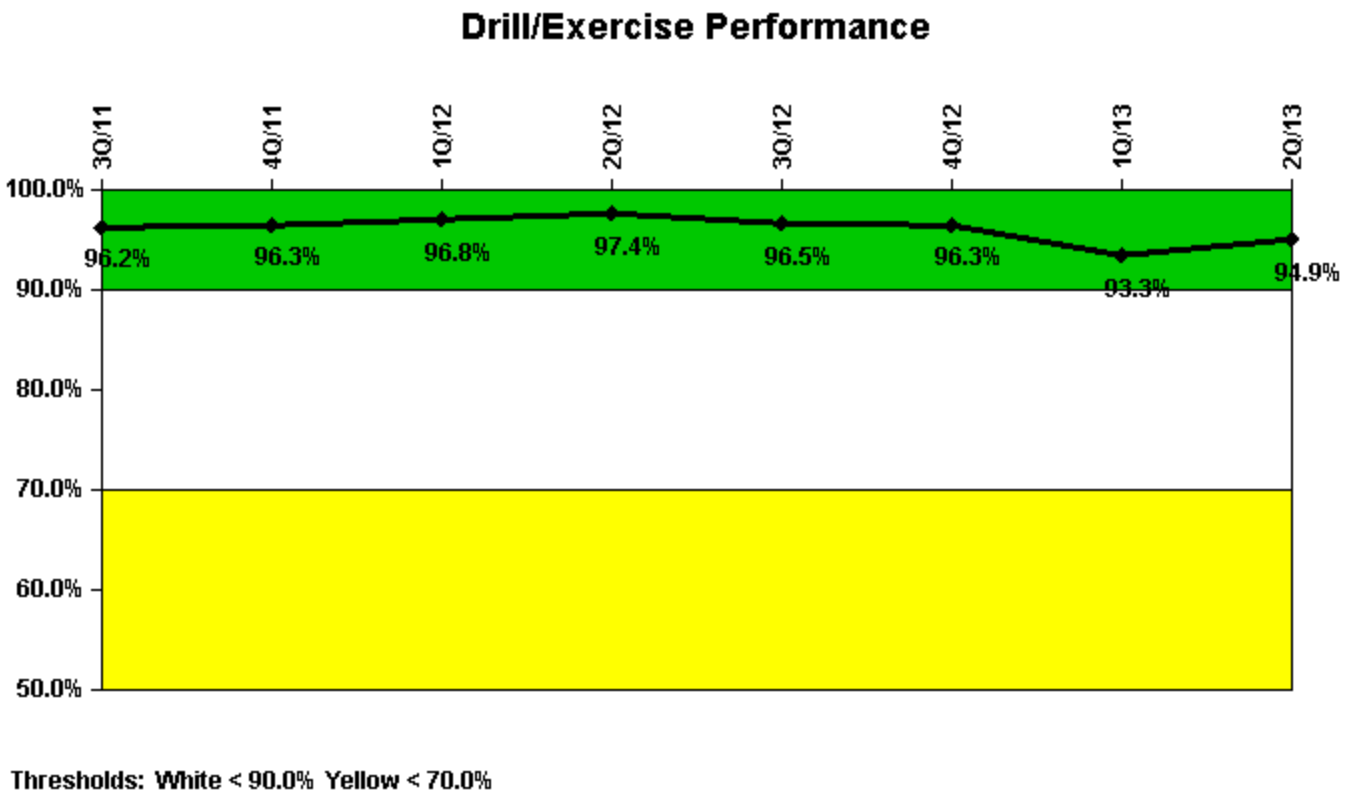


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum leakage	0.007	0.037	0.025	0.042	0.036	0.007	0.093	0.163	0.163	0.198	0.228	0.108
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	**0.1**	**0.4**	**0.3**	**0.4**	**0.4**	**0.1**	**0.9**	**1.6**	**1.6**	**2.0**	**2.3**	**1.1**
Reactor Coolant System Leakage	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum leakage	0.130	0.167	0.167	0.067	N/A	0.061	0.292	0.141	0.011	0.127	0.150	0.150
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	**1.3**	**1.7**	**1.7**	**0.7**	**N/A**	**0.6**	**2.9**	**1.4**	**0.1**	**1.3**	**1.5**	**1.5**

Licensee Comments: none



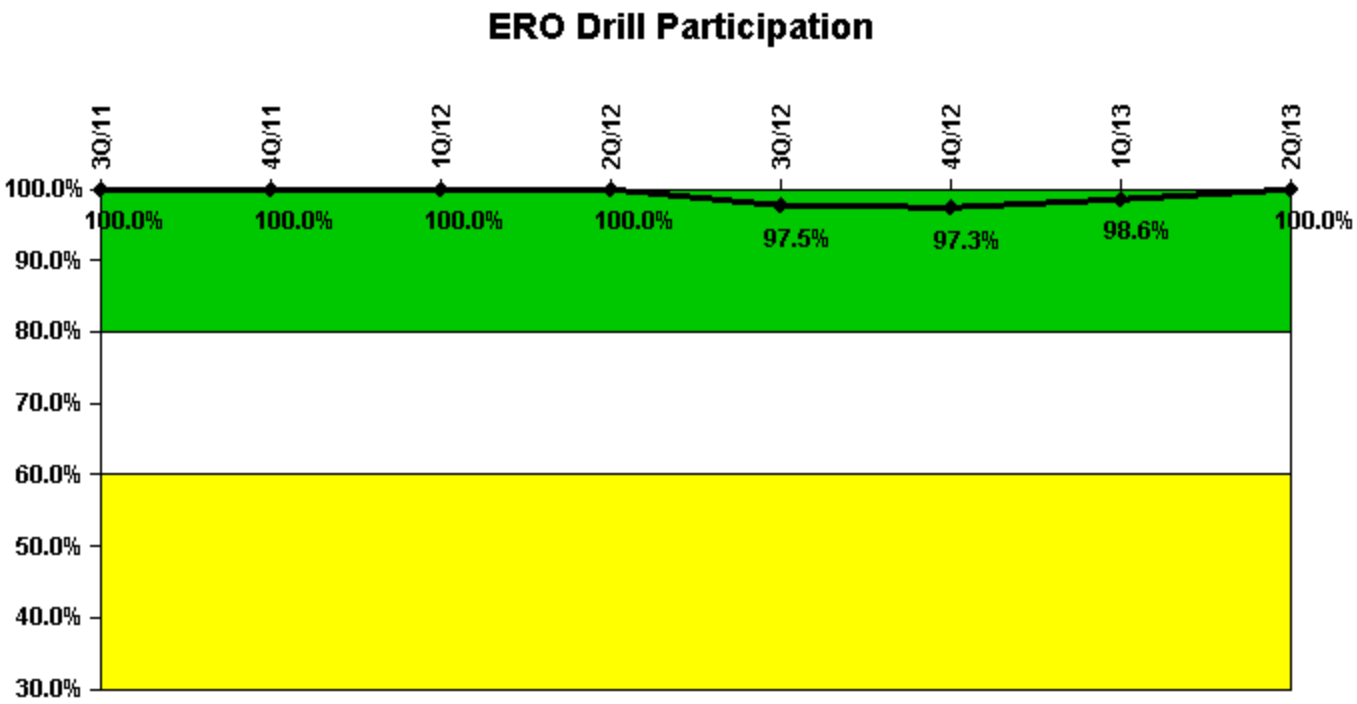
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	29.0	27.0	26.0	14.0	31.0	9.0	39.0	86.0
Total opportunities	32.0	27.0	28.0	14.0	32.0	10.0	45.0	87.0
Indicator value	**96.2%**	**96.3%**	**96.8%**	**97.4%**	**96.5%**	**96.3%**	**93.3%**	**94.9%**

Licensee Comments:

1Q/12: Revised February and March 2012 Drill and Exercise Performance based on previously unaccounted for opportunities. No change to performance indicator color.

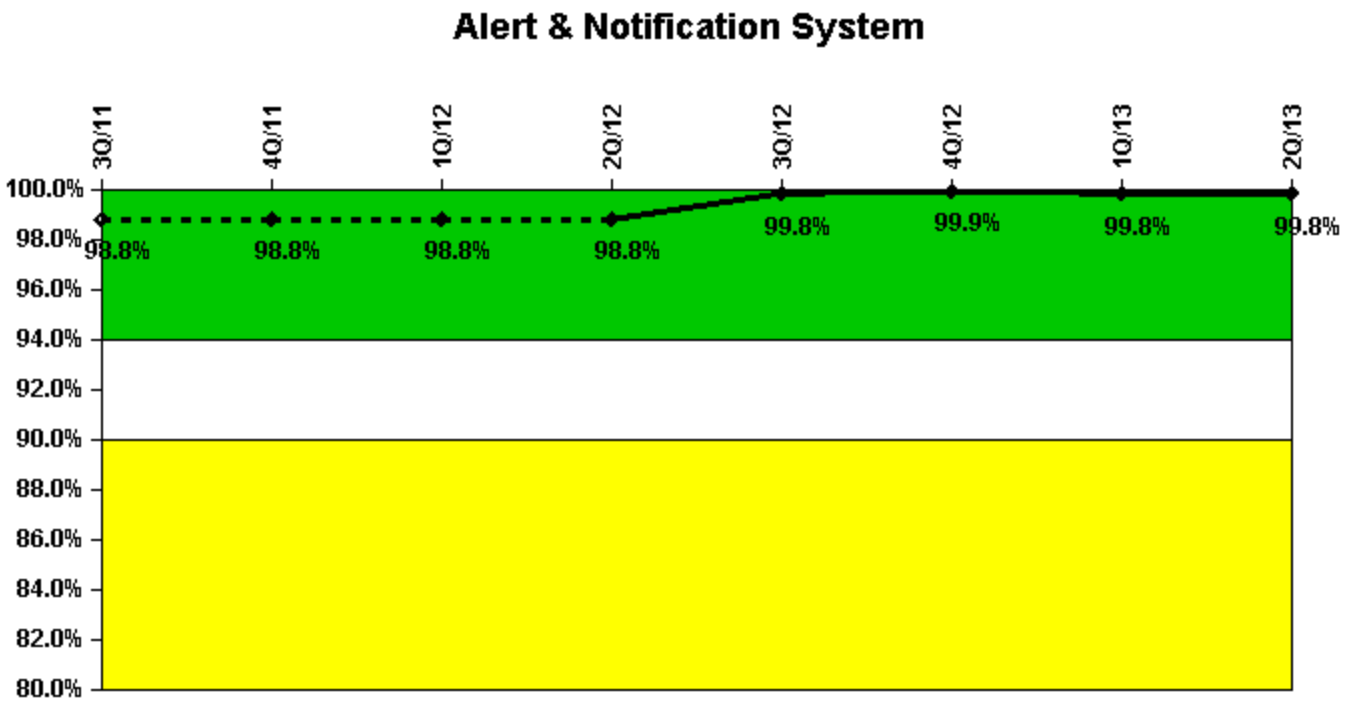


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	143.0	145.0	156.0	155.0	157.0	144.0	140.0	144.0
Total Key personnel	143.0	145.0	156.0	155.0	161.0	148.0	142.0	144.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**97.5%**	**97.3%**	**98.6%**	**100.0%**

Licensee Comments: none

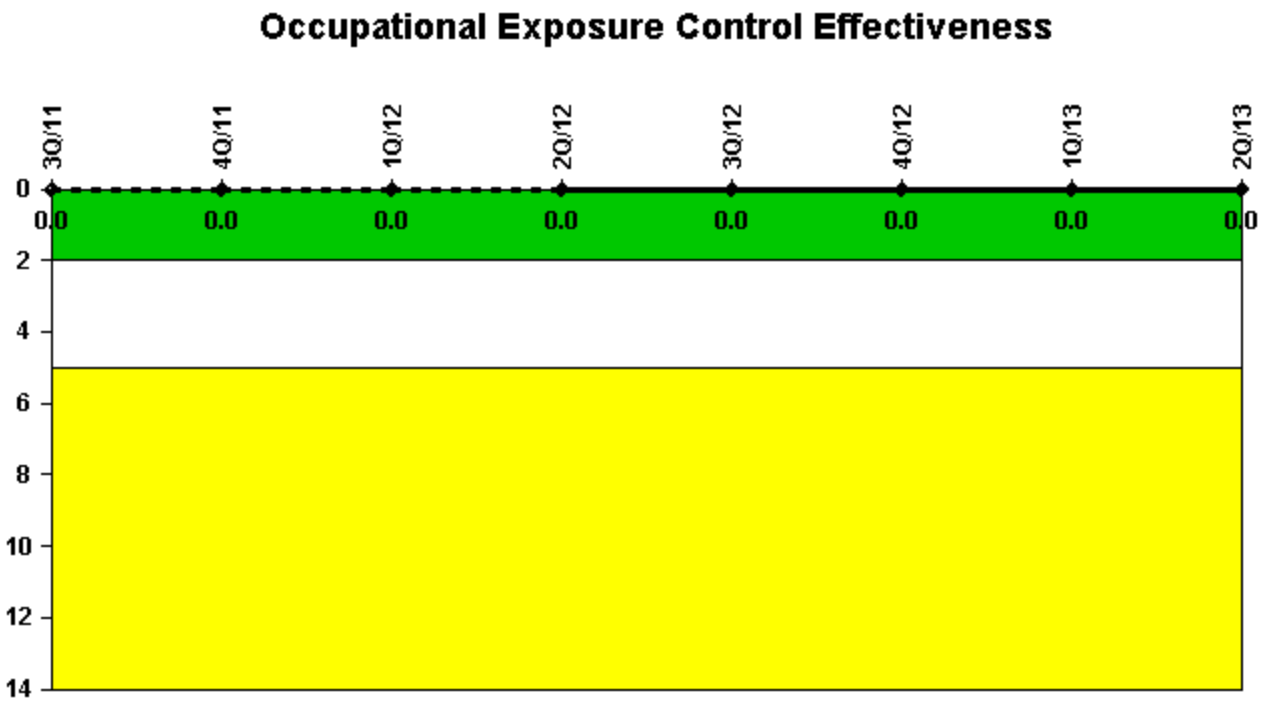


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	1463	1514	1520	1516	1520	1519	1515	1519
Total sirens-tests	1521	1521	1521	1521	1521	1521	1521	1521
Indicator value	**98.8%**	**98.8%**	**98.8%**	**98.8%**	**99.8%**	**99.9%**	**99.8%**	**99.8%**

Licensee Comments: none

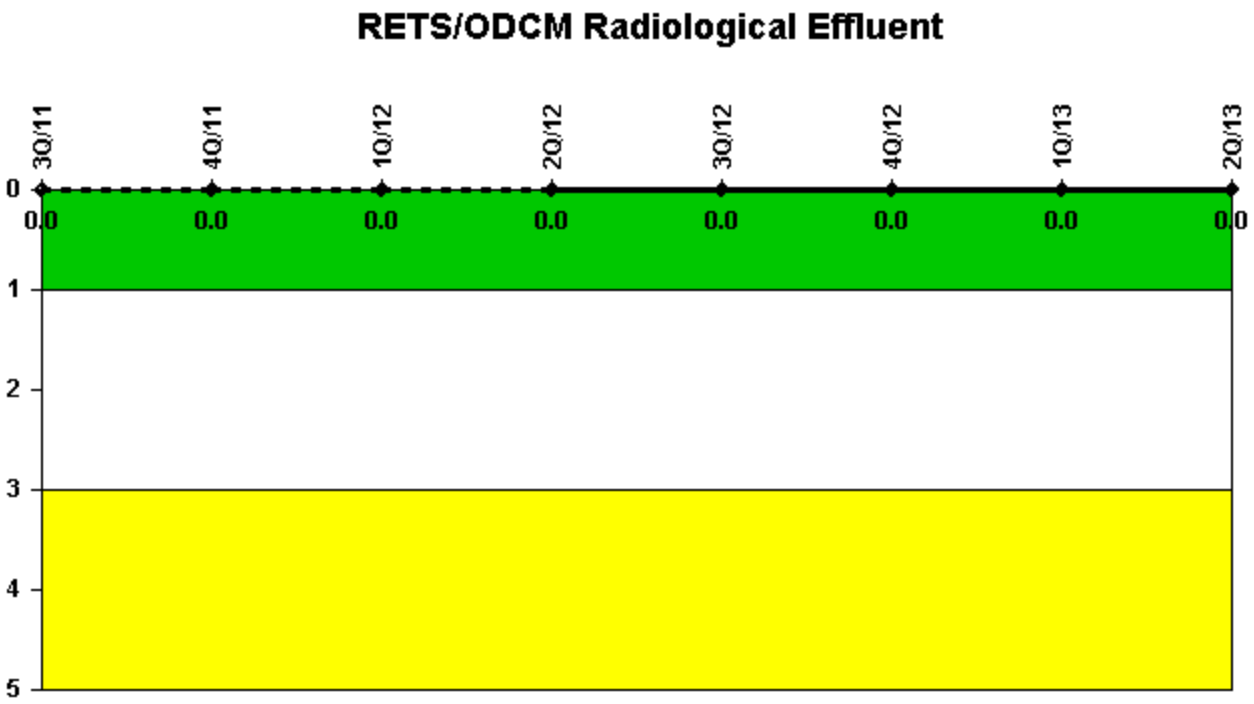


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/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	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/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: August 19, 2013