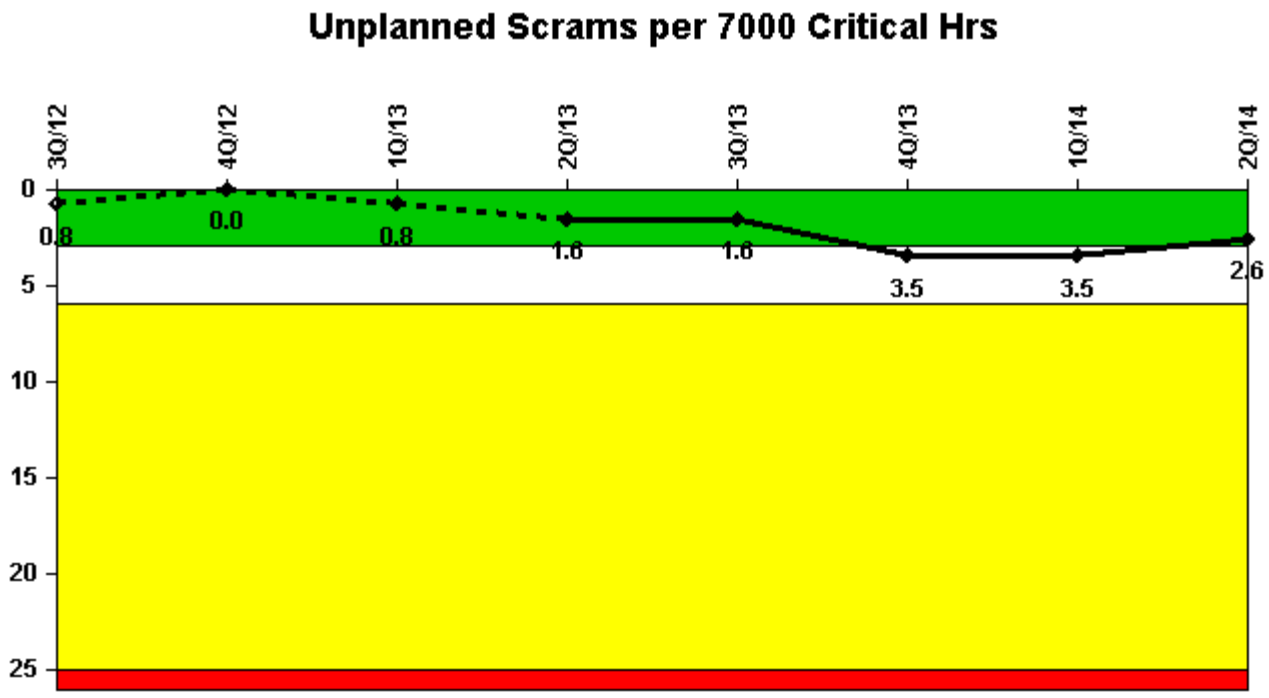
Clinton

2Q/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

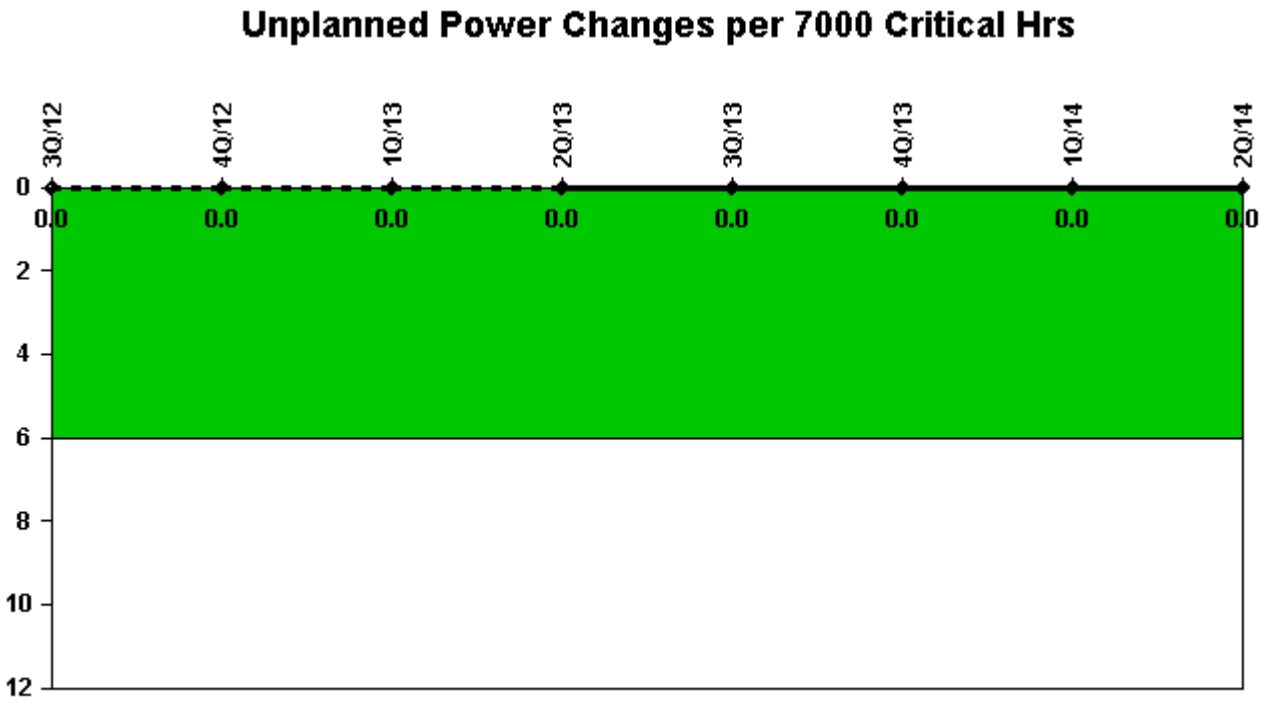
Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	1.0	1.0	0	2.0	1.0	0
Critical hours	2208.0	2209.0	2112.0	2161.5	2208.0	1565.5	2055.6	2184.0
Indicator value	**0.8**	**0**	**0.8**	**1.6**	**1.6**	**3.5**	**3.5**	**2.6**

Licensee Comments:

1Q/14: The Station experienced 1 unplanned scram in March 2014, 2 unplanned scrams in December 2013 and 1 unplanned scram in April 2013 resulting in this indicator continuing to be rated white.

4Q/13: Station experienced 2 unplanned scrams in December 2013. These combined with unplanned scrams in March and April 2013 results in this indicator being rated white.

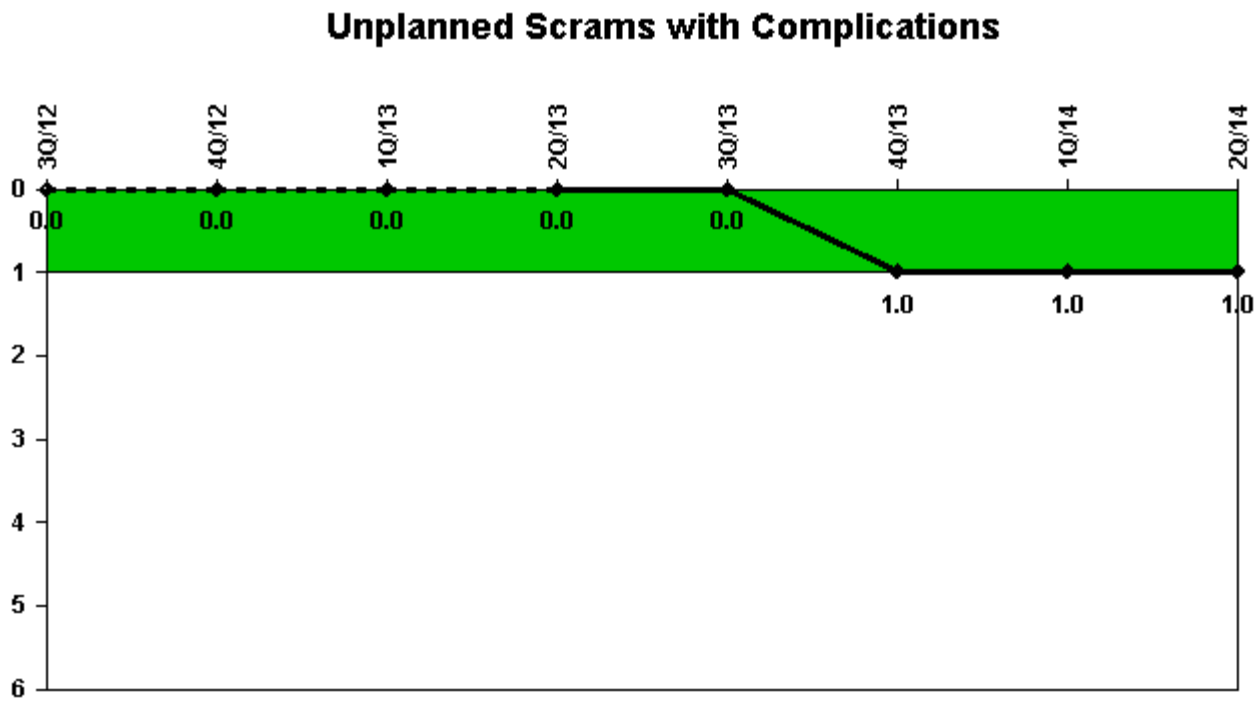


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2112.0	2161.5	2208.0	1565.5	2055.6	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none



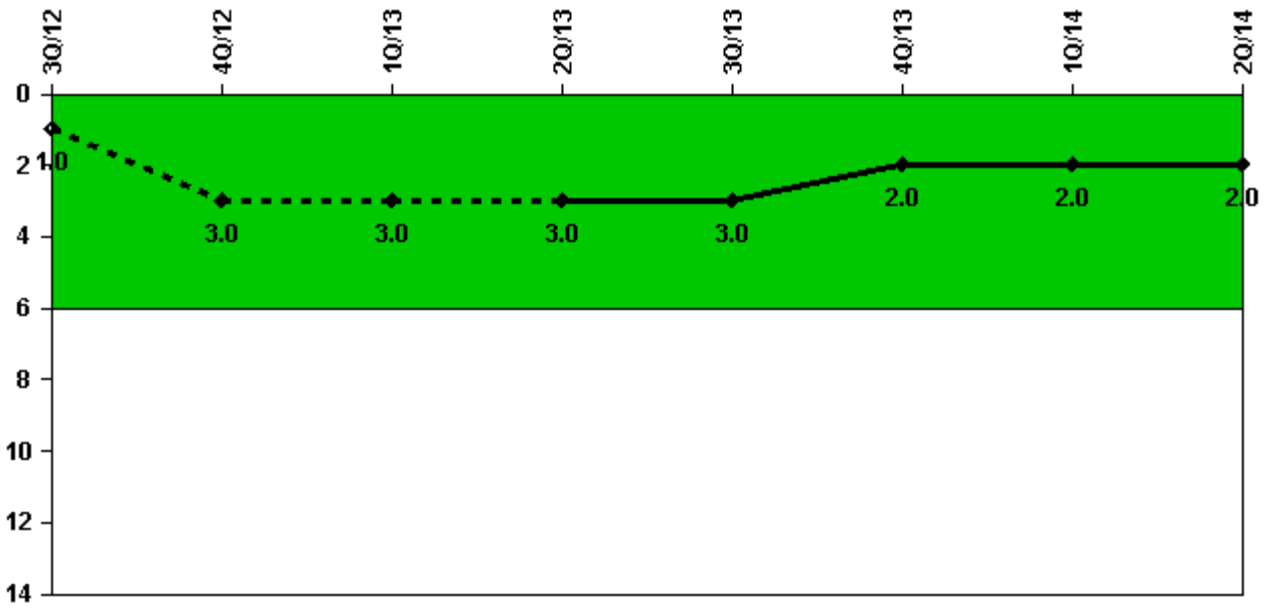
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

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

Licensee Comments:

1Q/14: Safety System Functional Failure reported to NRC under LER 2013-008-00 issued 2/3/14 for Failure of Division 1 Transformer Leads to Isolation of Instrument Air Supply to Containment, Lowering Scram Pilot Air Header Pressure, and Manual Reactor Scram.

4Q/13: Safety System Functional Failure reported to NRC under LER 2013-004-00, issued 10/11/13.

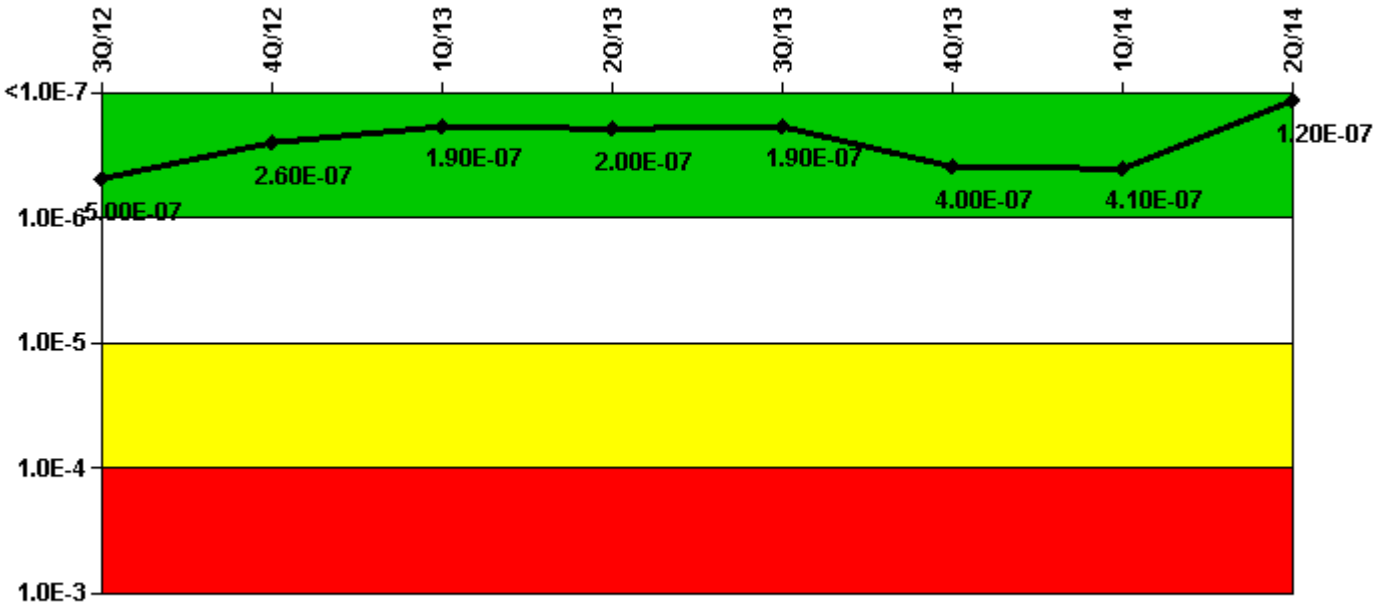
2Q/13: Safety System Functional Failure reported to NRC under LER 2013-001-00 issued on 4/17/13

2Q/13: A loss of safety function reported to NRC under LER 2013-001-00 issued on 4/17/13 was counted as a second quarter 2013 safety system functional failure (SSFF) performance indicator occurrence. An engineering evaluation has concluded that this event was not a SSFF, therefore the second quarter 2013 data has been changed from 1 to 0. This change does not affect the indicator color of green.

1Q/13: Safety System Functional Failure reported to NRC under LER 2012-003-00 issued on 1/17/13

4Q/12: Safety System Functional Failures reported to NRC: LER 2012-001-00 issued on 10/26/12; LER 2012-002-00 issued on 11/27/12

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/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	5.52E-08	5.95E-08	-9.39E-09	-4.20E-09	-1.82E-08	-1.11E-08	-1.10E-08	-9.72E-09
URI (ΔCDF)	4.41E-07	1.97E-07	2.00E-07	2.05E-07	2.09E-07	4.15E-07	4.19E-07	1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.00E-07**	**2.60E-07**	**1.90E-07**	**2.00E-07**	**1.90E-07**	**4.00E-07**	**4.10E-07**	**1.20E-07**

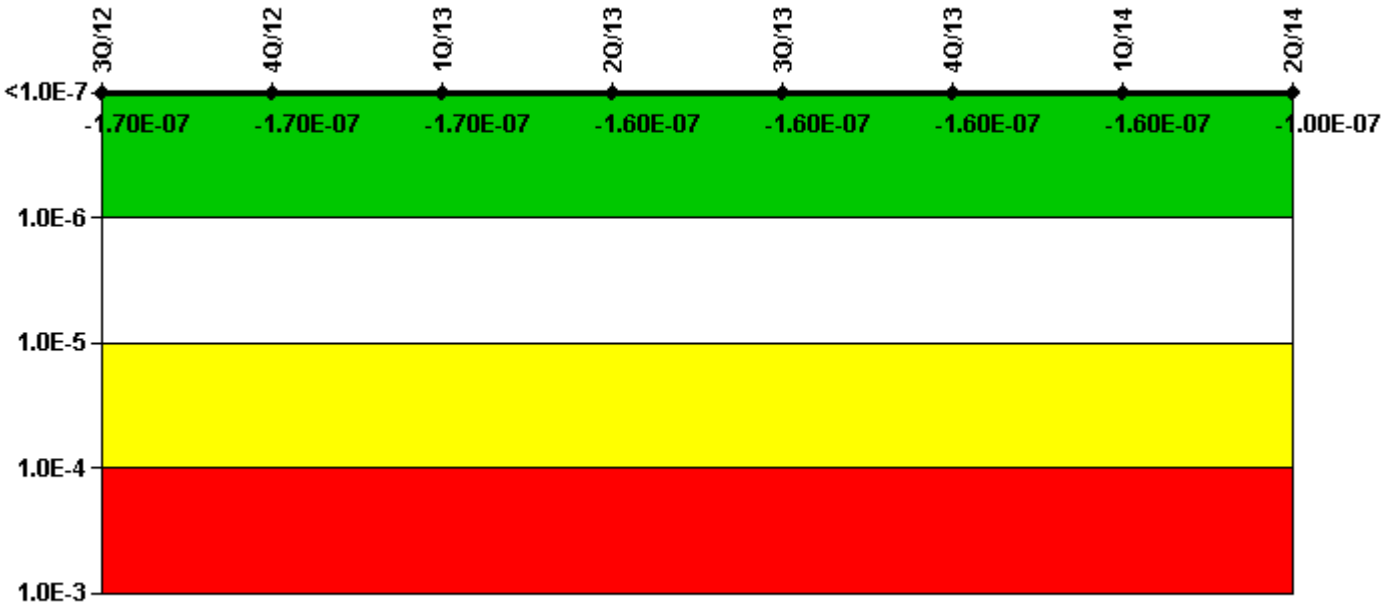
Licensee Comments:

2Q/14: Clinton implemented revised PRA model CL14A in the second quarter 2014. PRA values changed accordingly.

2Q/13: Updated PRA values from 2 significant digits to 3 significant digits, Site specific Basis Document Rev 9

1Q/13: Division 1 Emergency Diesel Generator baseline Planned Unavailability hours updated for 12-year scheduled maintenance outage

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

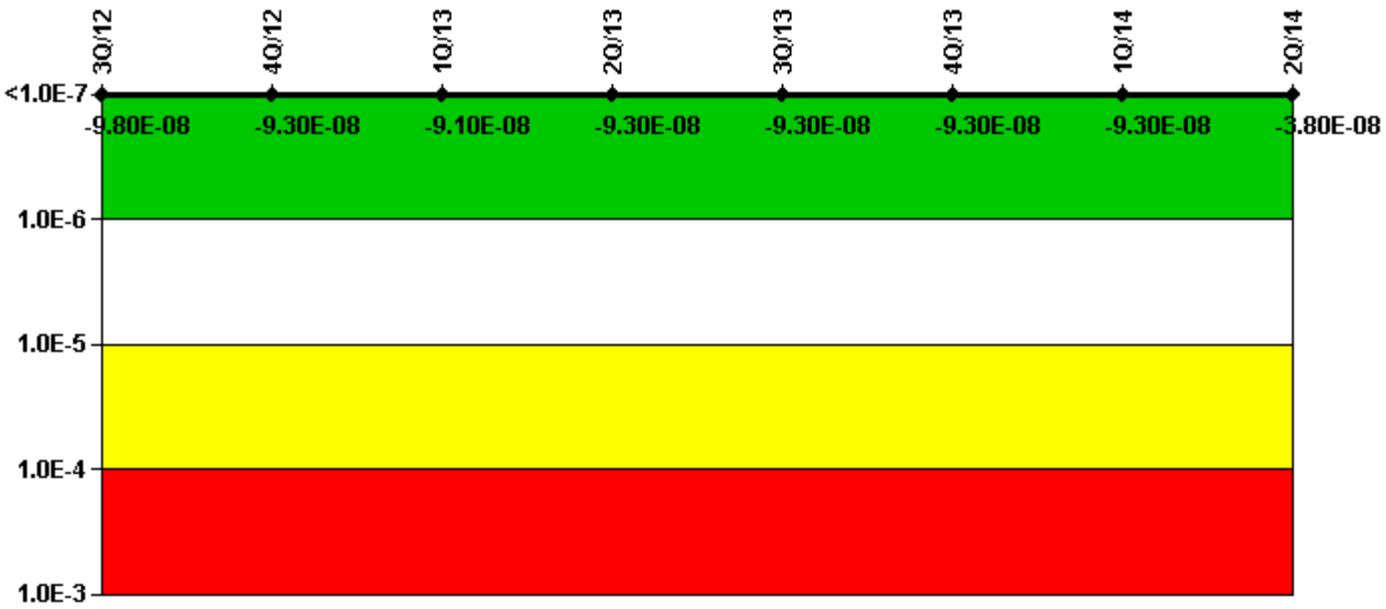
Mitigating Systems Performance Index, High Pressure Injection System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	-3.91E-08	-3.91E-08	-3.91E-08	-3.88E-08	-3.88E-08	-3.88E-08	-3.78E-08	-2.17E-08
URI (ΔCDF)	-1.30E-07	-1.28E-07	-1.26E-07	-1.24E-07	-1.22E-07	-1.20E-07	-1.18E-07	-8.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.00E-07**

Licensee Comments:

2Q/14: Clinton implemented revised PRA model CL14A in the second quarter 2014. PRA values changed accordingly.

2Q/13: Updated PRA values from 2 significant digits to 3 significant digits, Site specific Basis Document Rev 9

Mitigating Systems Performance Index, Heat Removal System



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

Notes

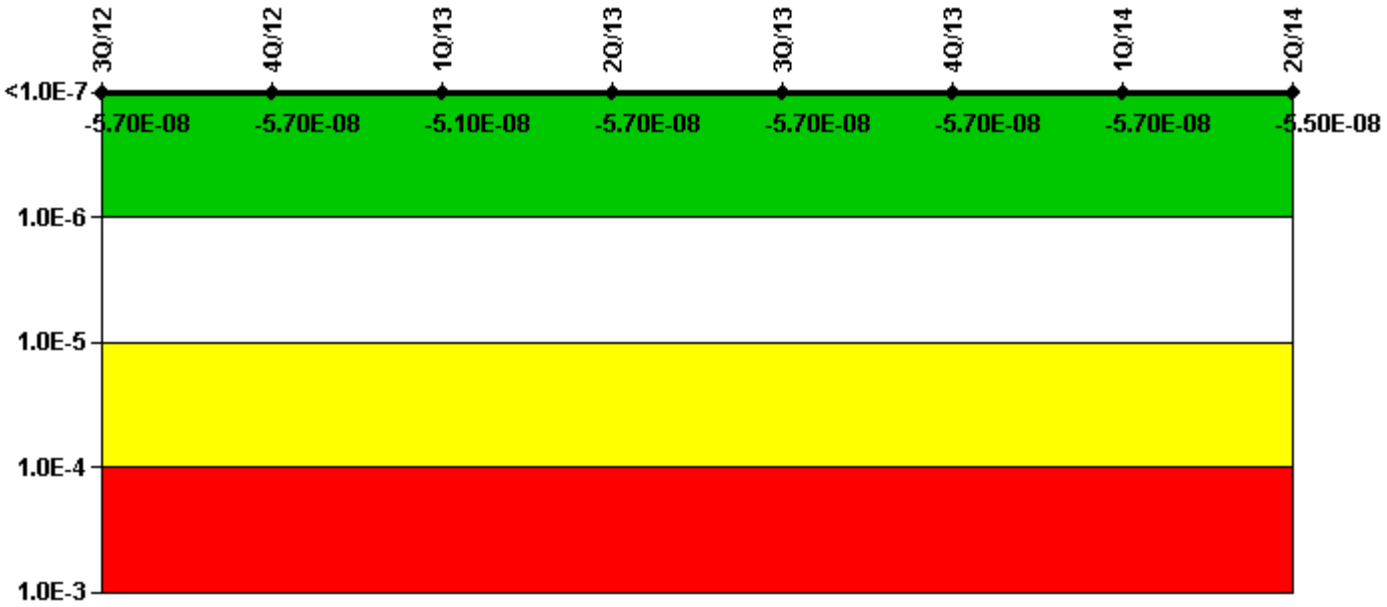
Mitigating Systems Performance Index, Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	-3.02E-08	-2.50E-08	-2.51E-08	-2.55E-08	-2.55E-08	-2.54E-08	-2.54E-08	-9.56E-09
URI (ΔCDF)	-6.78E-08	-6.78E-08	-6.54E-08	-6.74E-08	-6.74E-08	-6.74E-08	-6.74E-08	-2.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.80E-08**	**-9.30E-08**	**-9.10E-08**	**-9.30E-08**	**-9.30E-08**	**-9.30E-08**	**-9.30E-08**	**-3.80E-08**

Licensee Comments:

2Q/14: Clinton implemented revised PRA model CL14A in the second quarter 2014. PRA values changed accordingly.

2Q/13: Updated PRA values from 2 significant digits to 3 significant digits, Site specific Basis Document Rev 9. Removed MSPI monitored component 1E51F046 from the MSPI program. This component was permanently deactivated by the station. Site specific Basis Document Rev 9 and PRA model CL-MSPI-02 rev 0.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

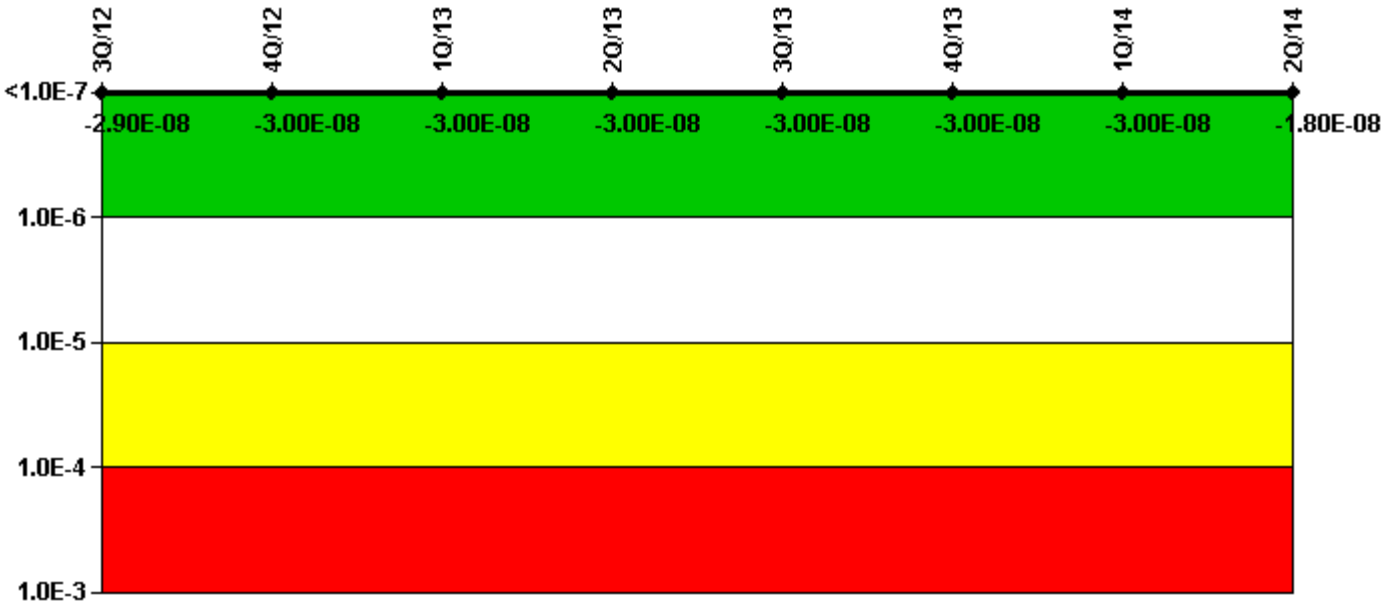
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	-1.65E-08	-1.66E-08	-1.03E-08	-1.69E-08	-1.67E-08	-1.68E-08	-1.68E-08	-1.58E-08
URI (ΔCDF)	-4.08E-08	-4.08E-08	-4.08E-08	-4.04E-08	-4.04E-08	-4.04E-08	-4.04E-08	-3.93E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.70E-08**	**-5.70E-08**	**-5.10E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.50E-08**

Licensee Comments:

2Q/14: Clinton implemented revised PRA model CL14A in the second quarter 2014. PRA values changed accordingly.

2Q/13: Updated PRA values from 2 significant digits to 3 significant digits, Site specific Basis Document Rev 9

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

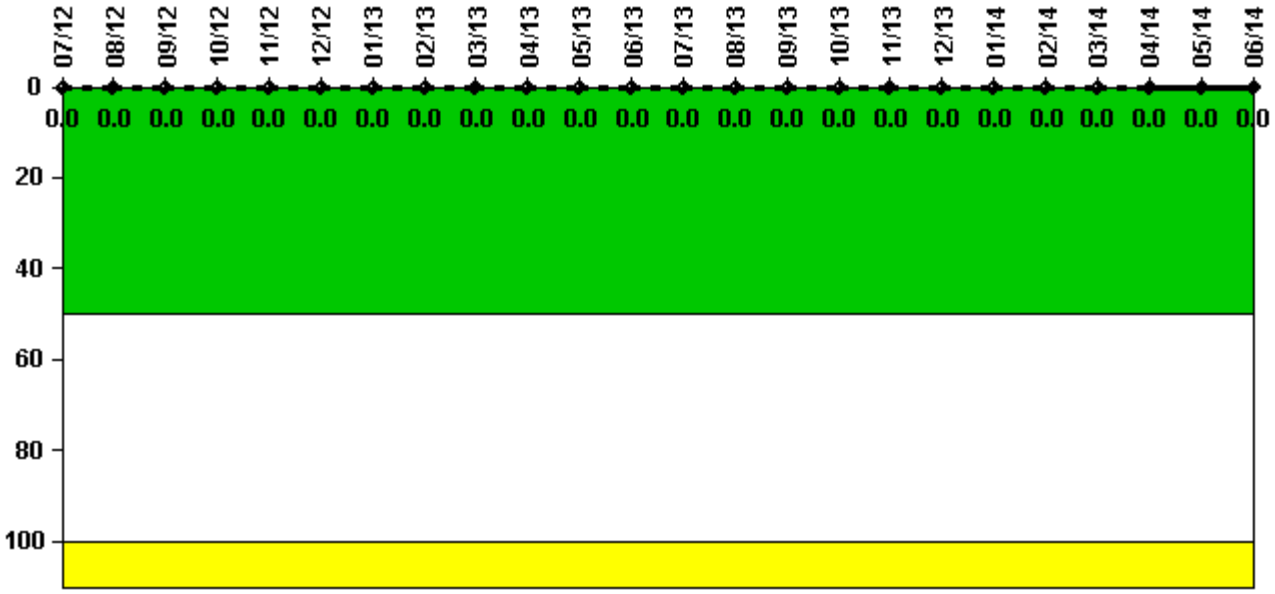
Mitigating Systems Performance Index, Cooling Water Systems	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	7.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
URI (ΔCDF)	-2.96E-08	-2.96E-08	-2.96E-08	-2.99E-08	-2.99E-08	-2.99E-08	-2.99E-08	-1.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-08**	**-3.00E-08**	**-3.00E-08**	**-3.00E-08**	**-3.00E-08**	**-3.00E-08**	**-3.00E-08**	**-1.80E-08**

Licensee Comments:

2Q/14: Clinton implemented revised PRA model CL14A in the second quarter 2014. PRA values changed accordingly.

2Q/13: Updated PRA values from 2 significant digits to 3 significant digits, Site specific Basis Document Rev 9

Reactor Coolant System Activity

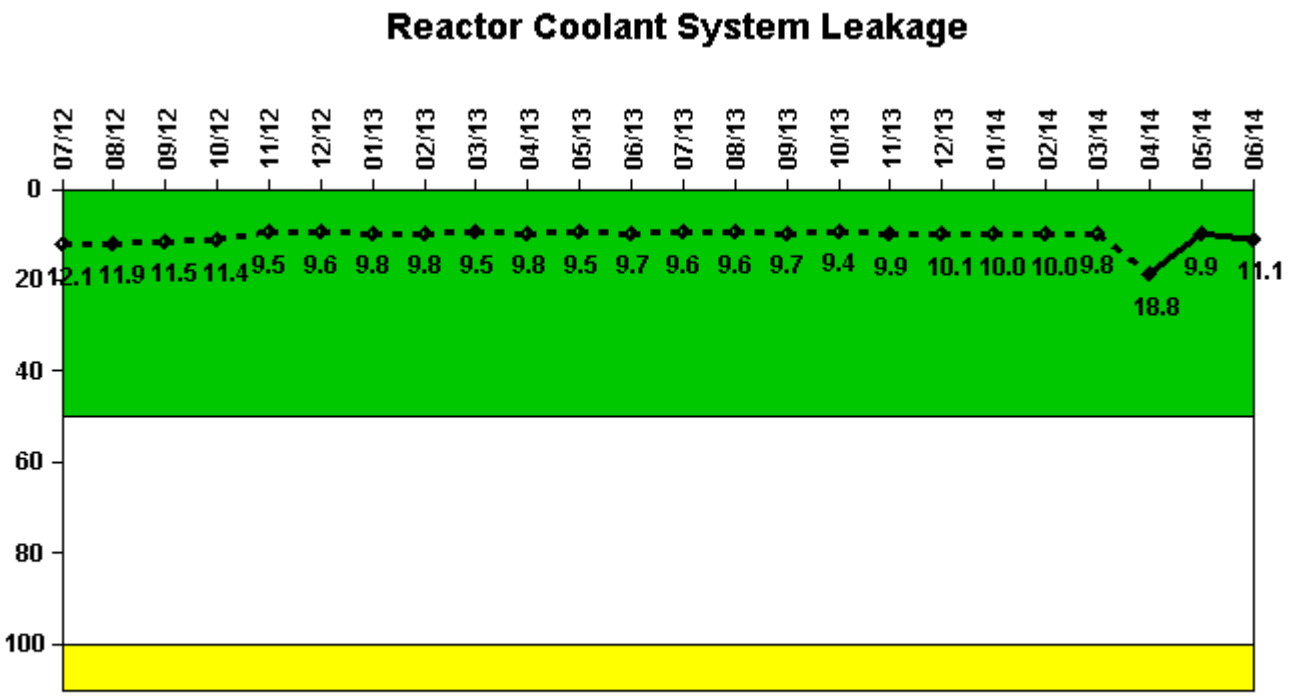


Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.000001	0.000001	0.000001	0.000001	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000001
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	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum activity	0.000001	0.000001	0.000002	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
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

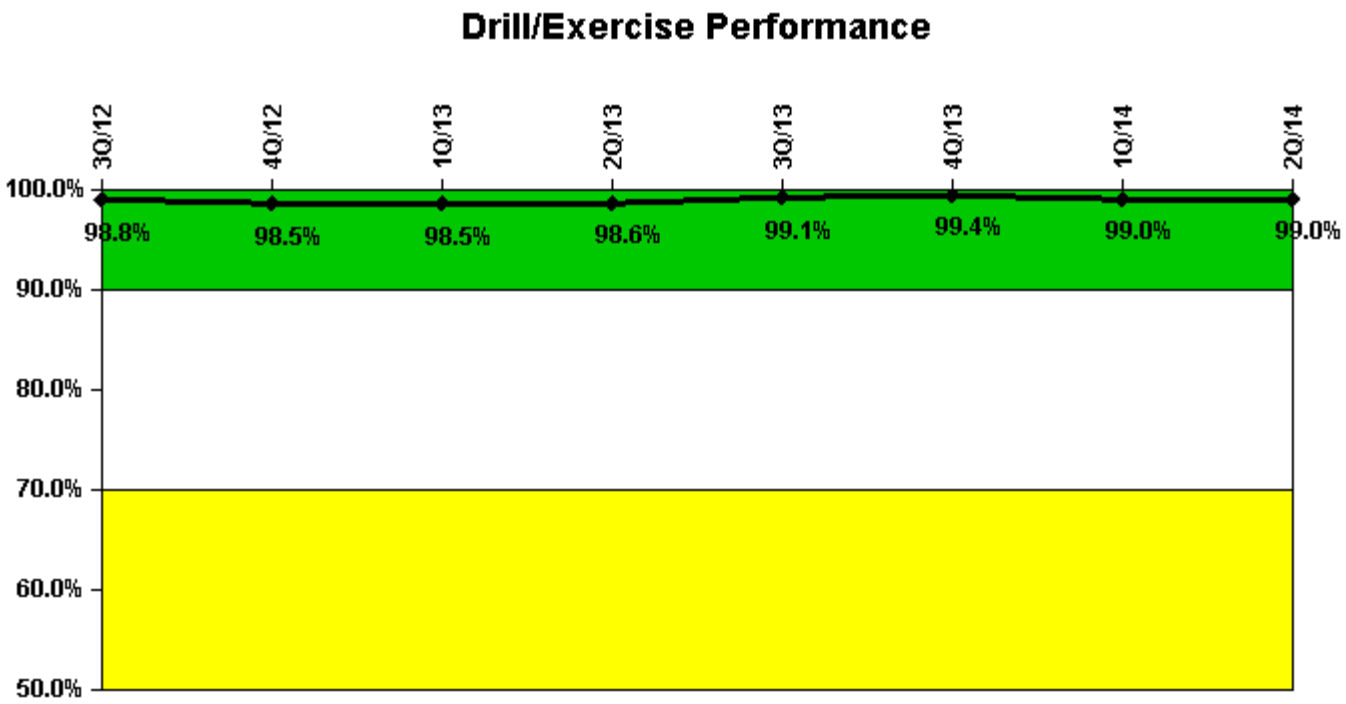


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	3.630	3.580	3.450	3.430	2.860	2.890	2.940	2.940	2.860	2.930	2.840	2.910
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**12.1**	**11.9**	**11.5**	**11.4**	**9.5**	**9.6**	**9.8**	**9.8**	**9.5**	**9.8**	**9.5**	**9.7**
Reactor Coolant System Leakage	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum leakage	2.870	2.870	2.920	2.830	2.960	3.040	3.000	3.010	2.950	5.640	2.980	3.330
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**9.6**	**9.6**	**9.7**	**9.4**	**9.9**	**10.1**	**10.0**	**10.0**	**9.8**	**18.8**	**9.9**	**11.1**

Licensee Comments: none

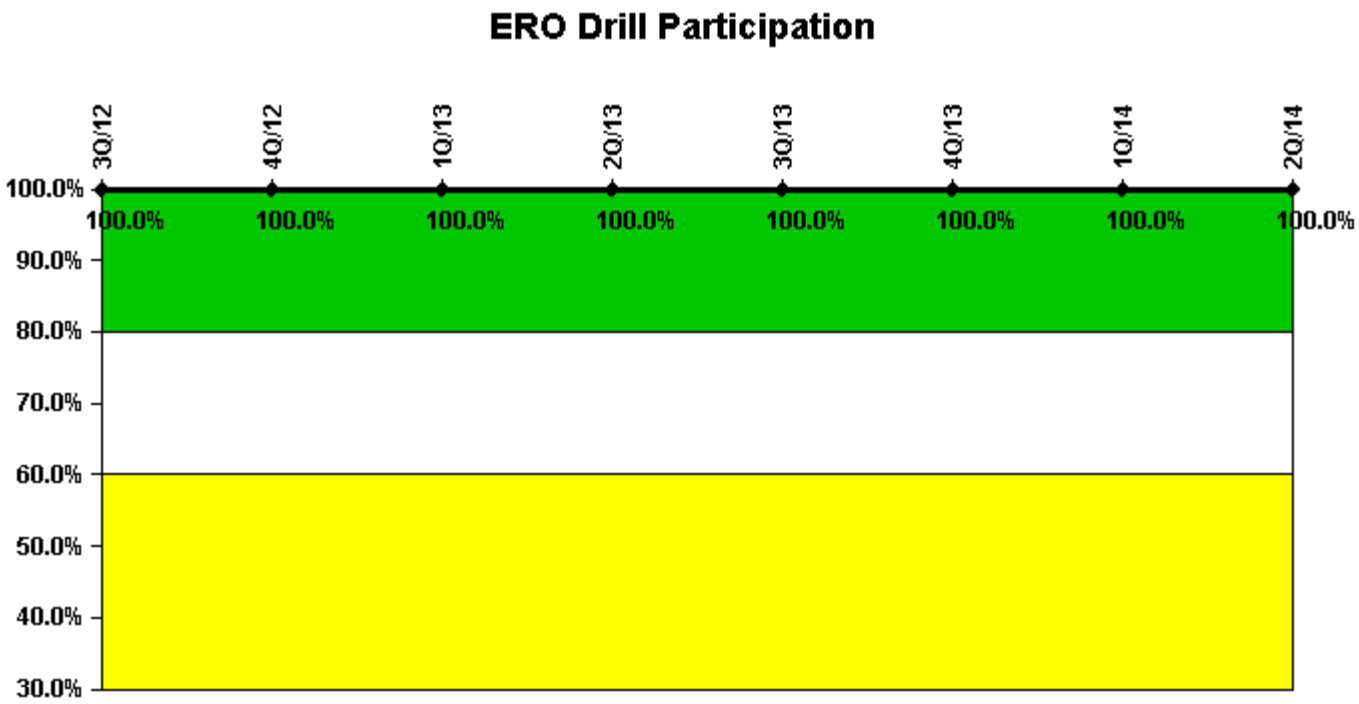


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	59.0	51.0	31.0	48.0	31.0	20.0	22.0	27.0
Total opportunities	59.0	52.0	31.0	49.0	31.0	20.0	23.0	27.0
Indicator value	**98.8%**	**98.5%**	**98.5%**	**98.6%**	**99.1%**	**99.4%**	**99.0%**	**99.0%**

Licensee Comments: none

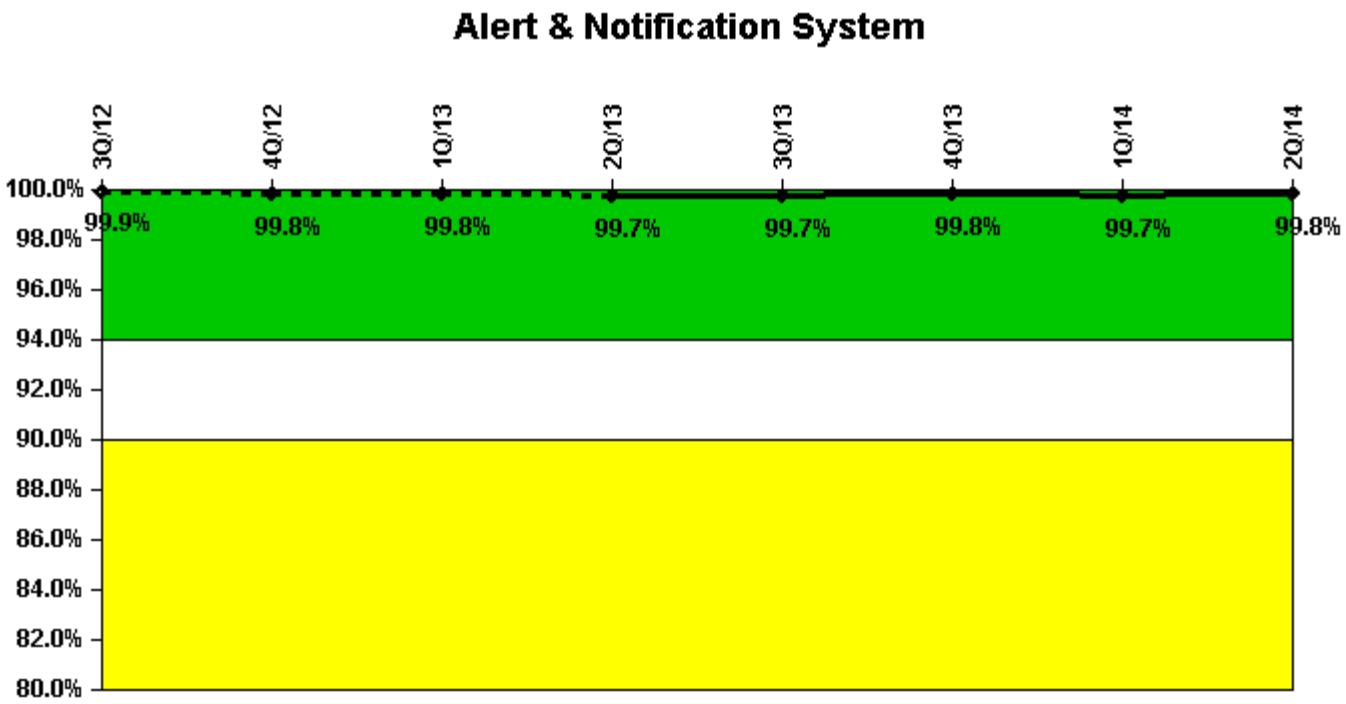


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	71.0	68.0	68.0	69.0	67.0	64.0	64.0	66.0
Total Key personnel	71.0	68.0	68.0	69.0	67.0	64.0	64.0	66.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none



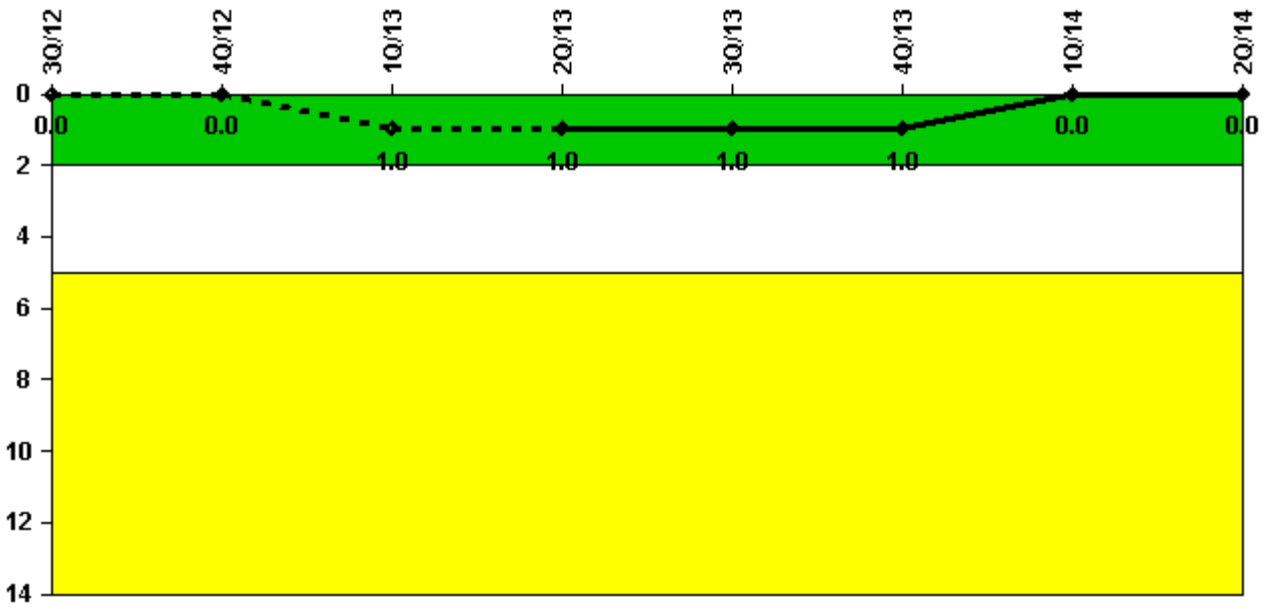
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	2517	2550	2556	2547	2558	2557	2512	2554
Total sirens-tests	2520	2560	2560	2560	2560	2560	2520	2559
Indicator value	**99.9%**	**99.8%**	**99.8%**	**99.7%**	**99.7%**	**99.8%**	**99.7%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness



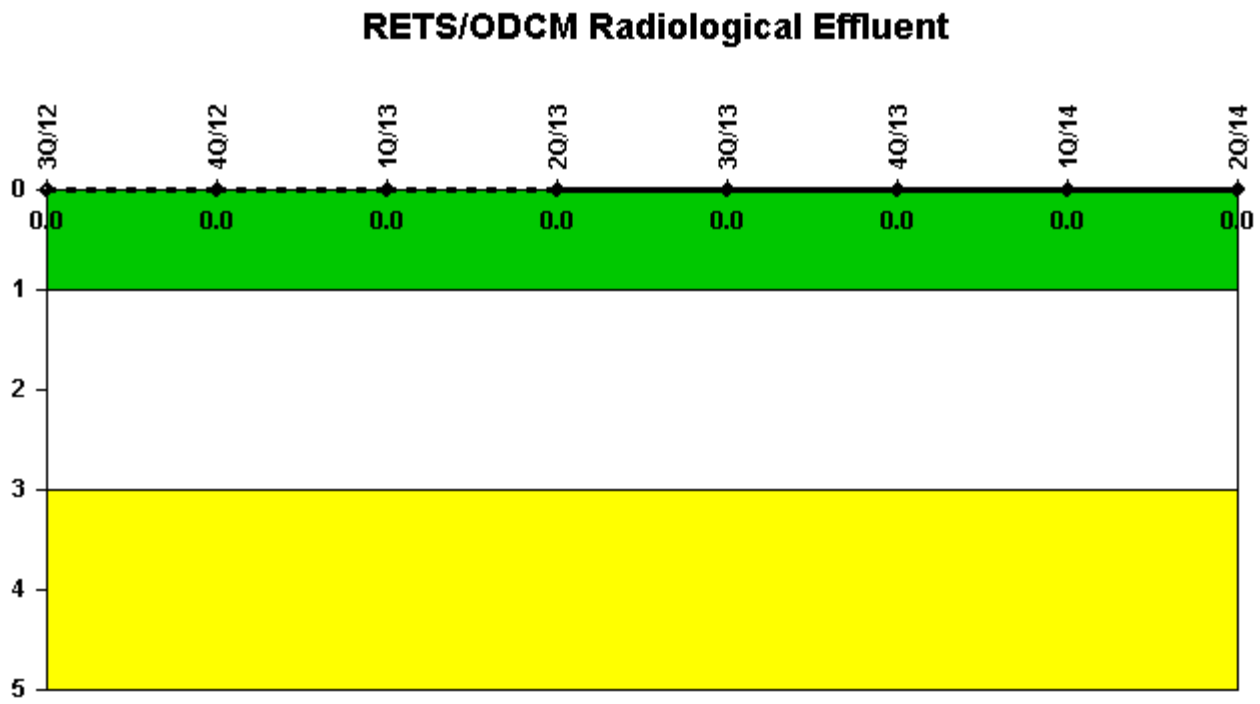
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
High radiation area occurrences	0	0	1	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**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments:

1Q/13: The high radiation area occurrences performance indicator has been revised to add one occurrence for first quarter 2013. This change did not affect the indicator color of green.



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/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: July 31, 2014