

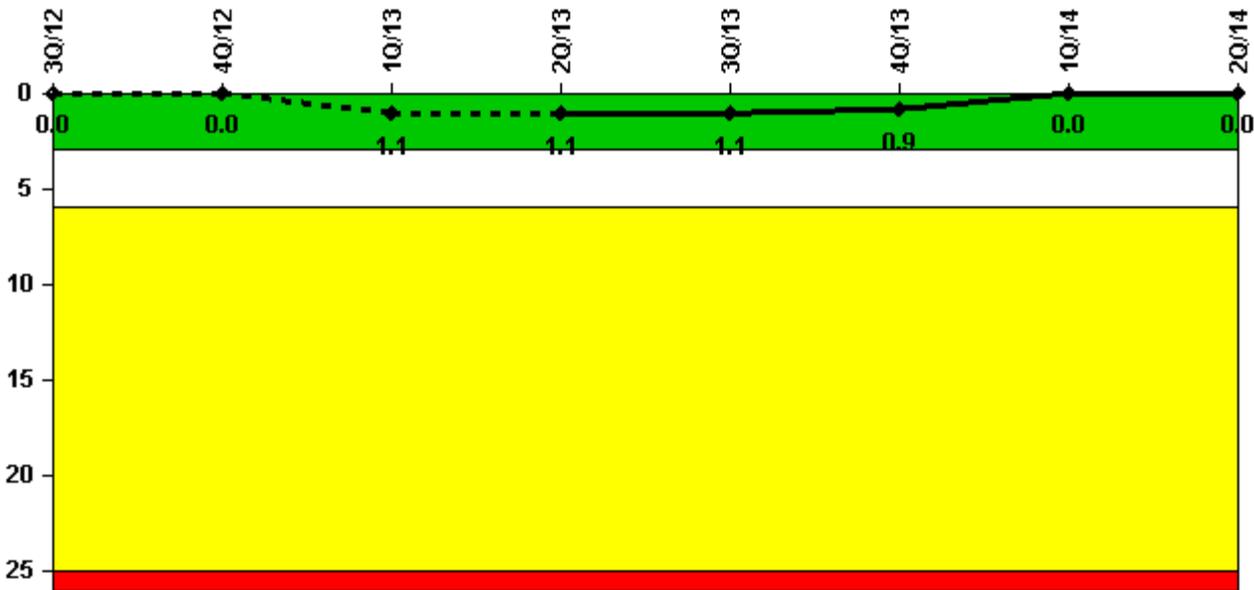
Waterford 3

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



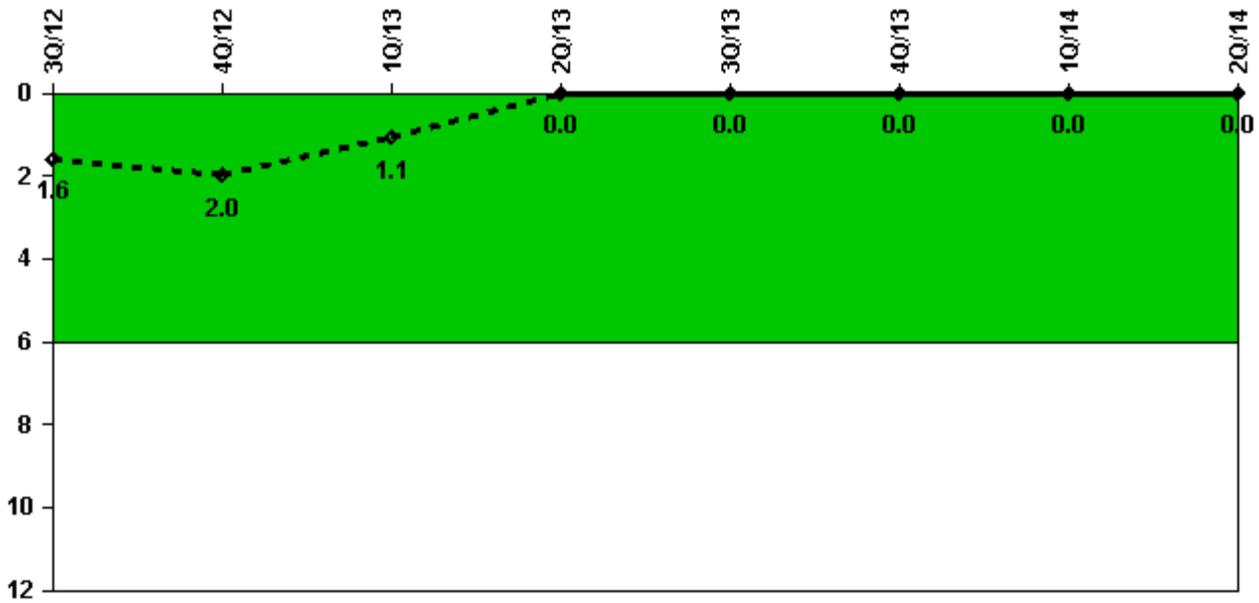
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0
Critical hours	2097.3	383.8	1726.0	2069.0	2208.0	2209.0	2159.0	1439.6
Indicator value	0	0	1.1	1.1	1.1	0.9	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



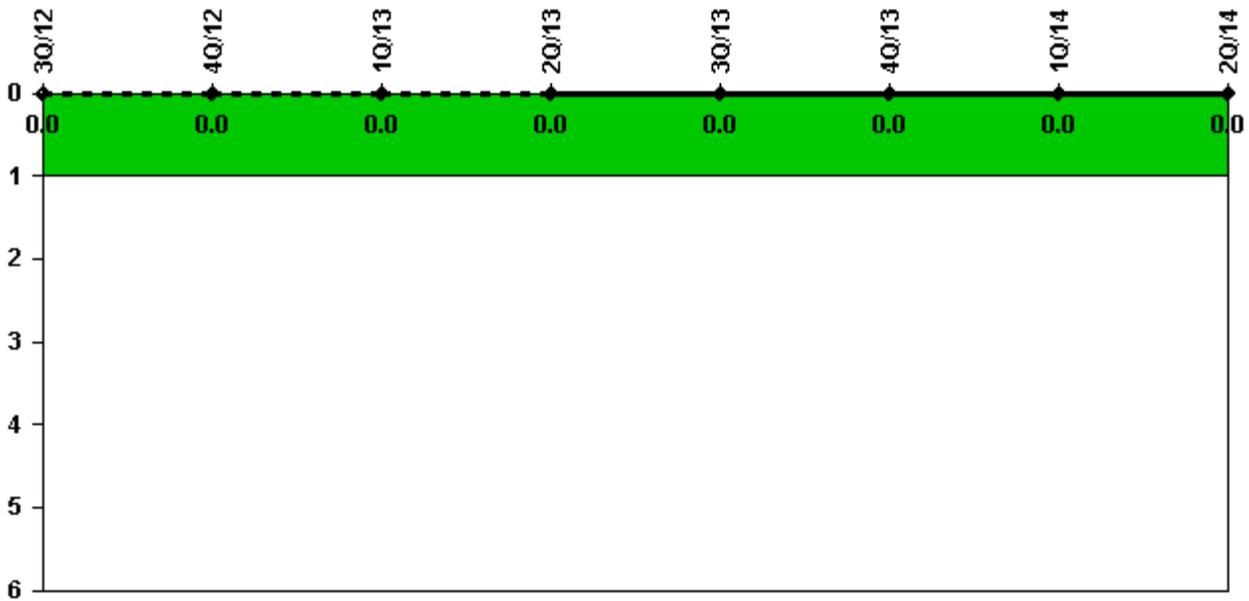
Thresholds: White > 6.0

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	2097.3	383.8	1726.0	2069.0	2208.0	2209.0	2159.0	1439.6
Indicator value	1.6	2.0	1.1	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



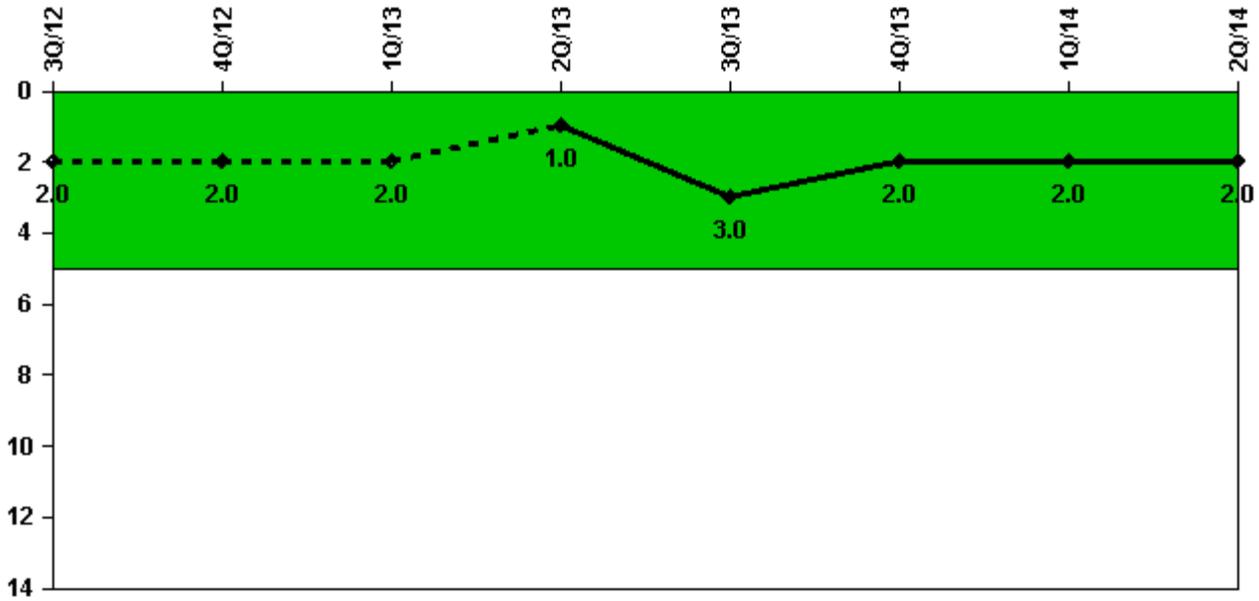
Thresholds: White > 1.0

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	0	0	0
Indicator value	0.0							

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

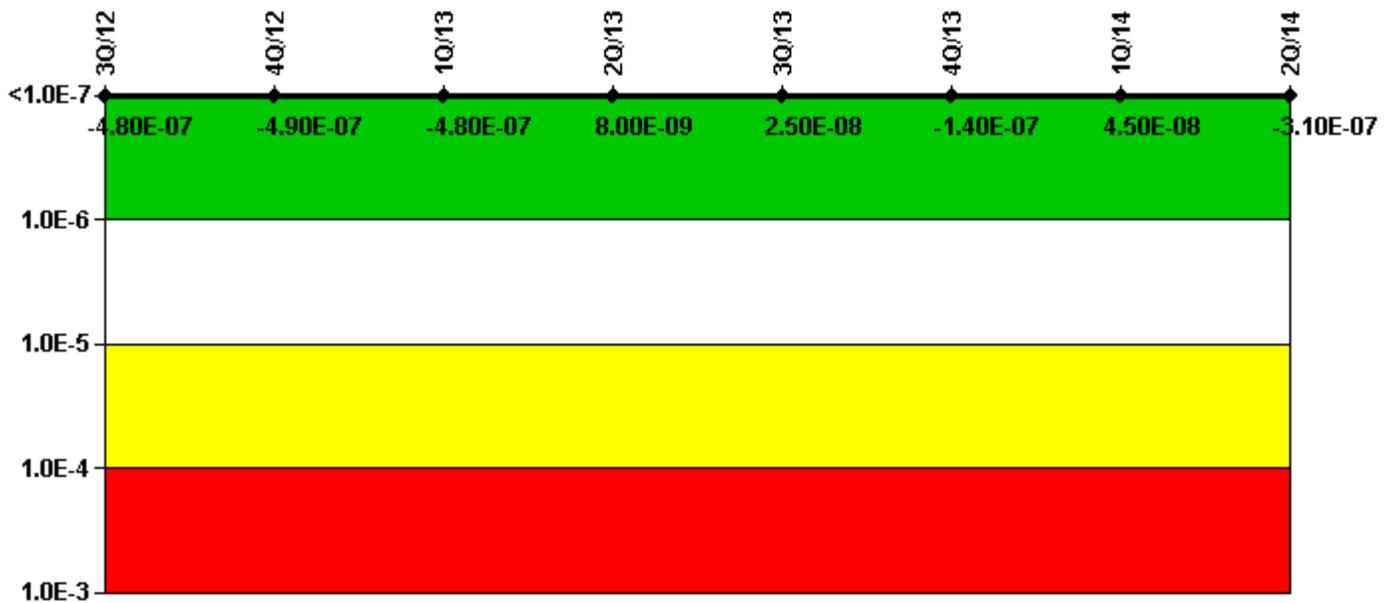
Safety System Functional Failures (PWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	0	1	0	0	2	0	0	0
Indicator value	2	2	2	1	3	2	2	2

Licensee Comments:

3Q/13: LER 2013-003-00 submitted in July 2013. LER 2013-005-00 submitted in September 2013.

3Q/12: A SSFF reported in Licensee Event Report number LER 2012-004-00 was not included in the 2nd quarter 2012 PI data that should have been. A change report is being submitted with the 3rd quarter 2012 data submittal to provide this information. This difference in information has no affect on the PI color, which remains GREEN.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

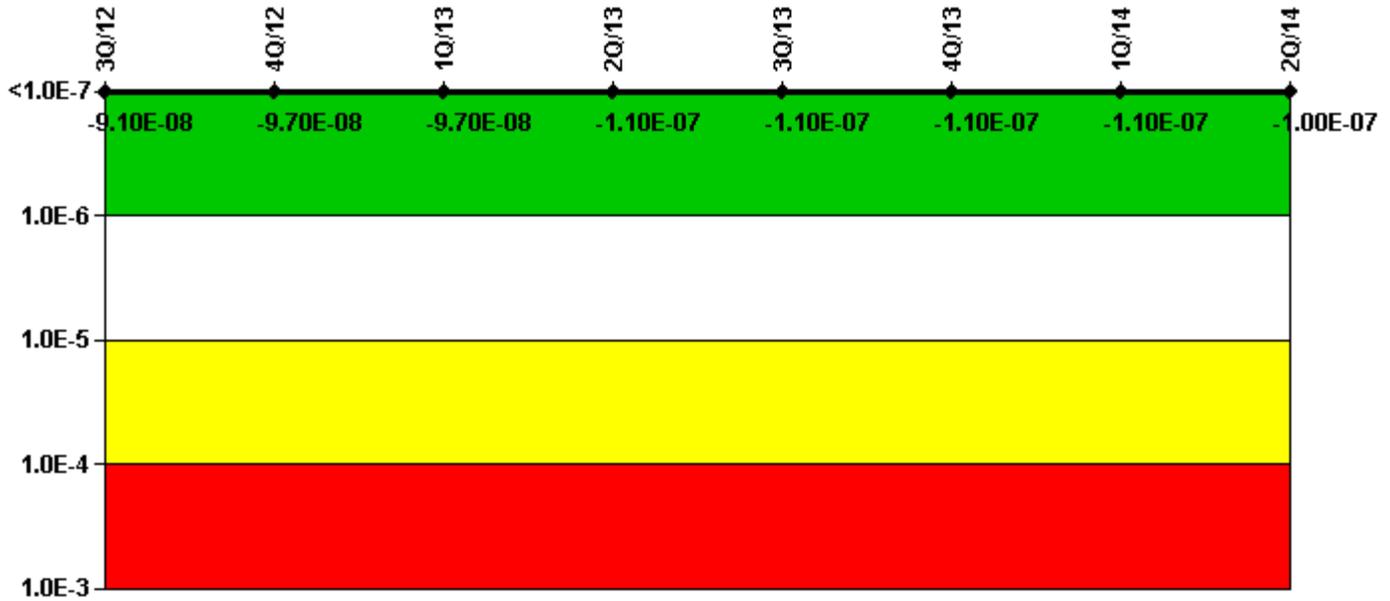
Mitigating Systems Performance Index, Emergency AC Power System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	1.76E-08	-2.66E-09	-3.60E-09	1.19E-07	1.29E-07	3.47E-09	1.79E-07	1.09E-07
URI (Δ CDF)	-5.01E-07	-4.87E-07	-4.77E-07	-1.11E-07	-1.04E-07	-1.40E-07	-1.34E-07	-4.15E-07
PLE	NO							
Indicator value	-4.80E-07	-4.90E-07	-4.80E-07	8.00E-09	2.50E-08	-1.40E-07	4.50E-08	-3.10E-07

Licensee Comments:

3Q/13: Added a failure report for Emergency Diesel Generator A that occurred in April 2013. Caused by failure of both Emergency Generator A starting air systems due to gasket leaks. Air compressor A1 and A2 gaskets were replaced which restored operability. The PI color is unaffected by this change and remains green.

2Q/13: Added a failure report for Emergency Diesel Generator A that occurred in April 2013. Caused by failure of both Emergency Generator A starting air systems due to gasket leaks. Air compressor A1 and A2 gaskets were replaced which restored operability. The PI color is unaffected by this change and remains green.

Mitigating Systems Performance Index, High Pressure Injection System



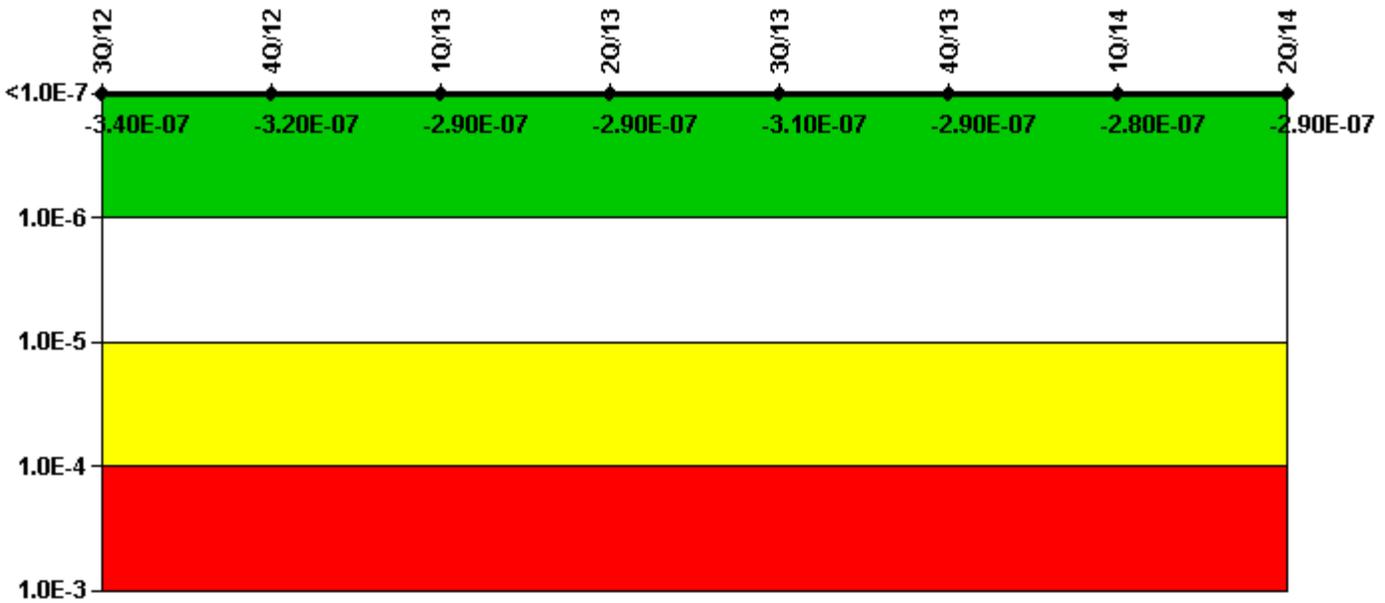
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	-4.22E-09	-5.25E-09	-5.10E-09	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08
URI (Δ CDF)	-8.71E-08	-9.13E-08	-9.23E-08	-9.29E-08	-9.37E-08	-9.36E-08	-9.33E-08	-9.13E-08
PLE	NO							
Indicator value	-9.10E-08	-9.70E-08	-9.70E-08	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



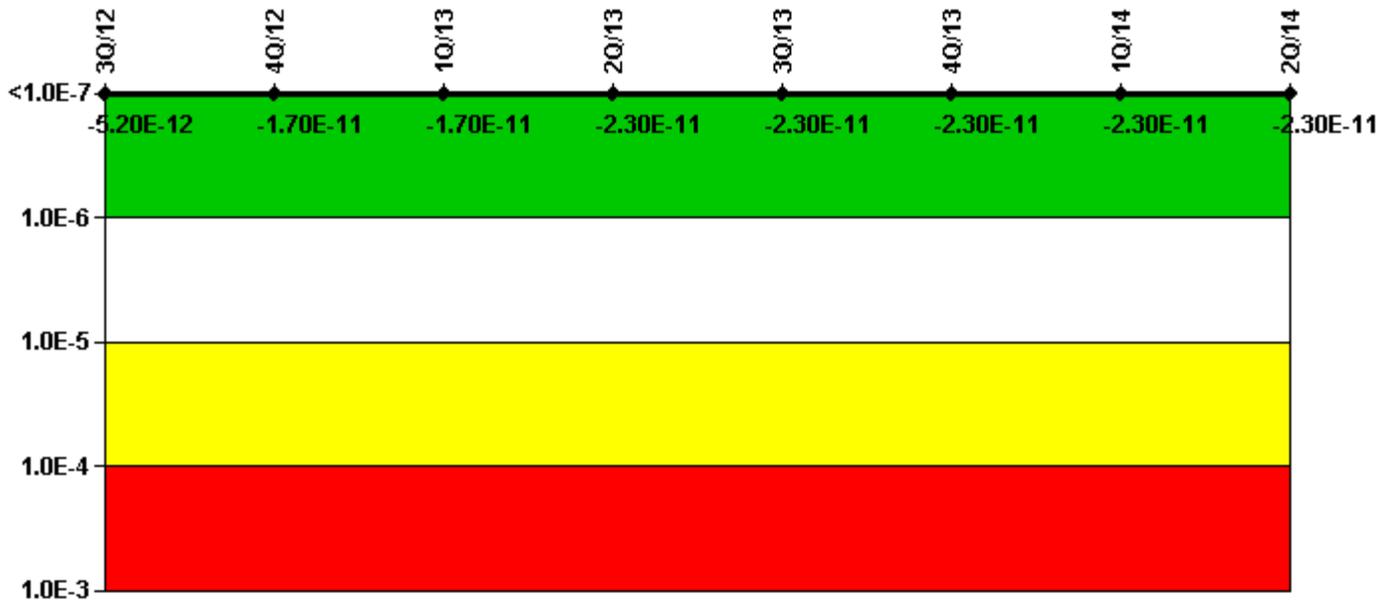
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	-4.30E-08	-3.12E-08	1.62E-08	1.55E-08	2.54E-09	2.23E-08	3.37E-08	3.32E-08
URI (Δ CDF)	-3.02E-07	-2.92E-07	-3.06E-07	-3.06E-07	-3.09E-07	-3.11E-07	-3.15E-07	-3.21E-07
PLE	NO							
Indicator value	-3.40E-07	-3.20E-07	-2.90E-07	-2.90E-07	-3.10E-07	-2.90E-07	-2.80E-07	-2.90E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



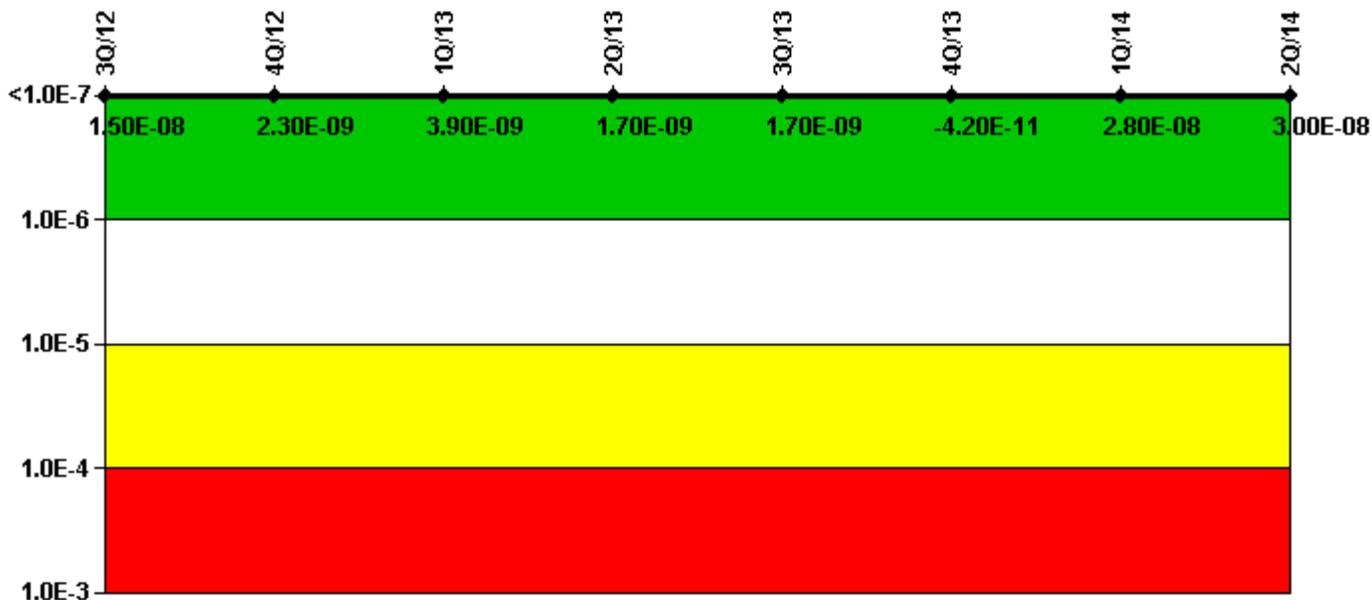
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	6.63E-12	-5.00E-12	-4.89E-12	-1.07E-11	-1.07E-11	-1.07E-11	-1.07E-11	-1.07E-11
URI (Δ CDF)	-1.18E-11	-1.17E-11	-1.19E-11	-1.18E-11	-1.20E-11	-1.22E-11	-1.23E-11	-1.25E-11
PLE	NO							
Indicator value	-5.20E-12	-1.70E-11	-1.70E-11	-2.30E-11	-2.30E-11	-2.30E-11	-2.30E-11	-2.30E-11

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

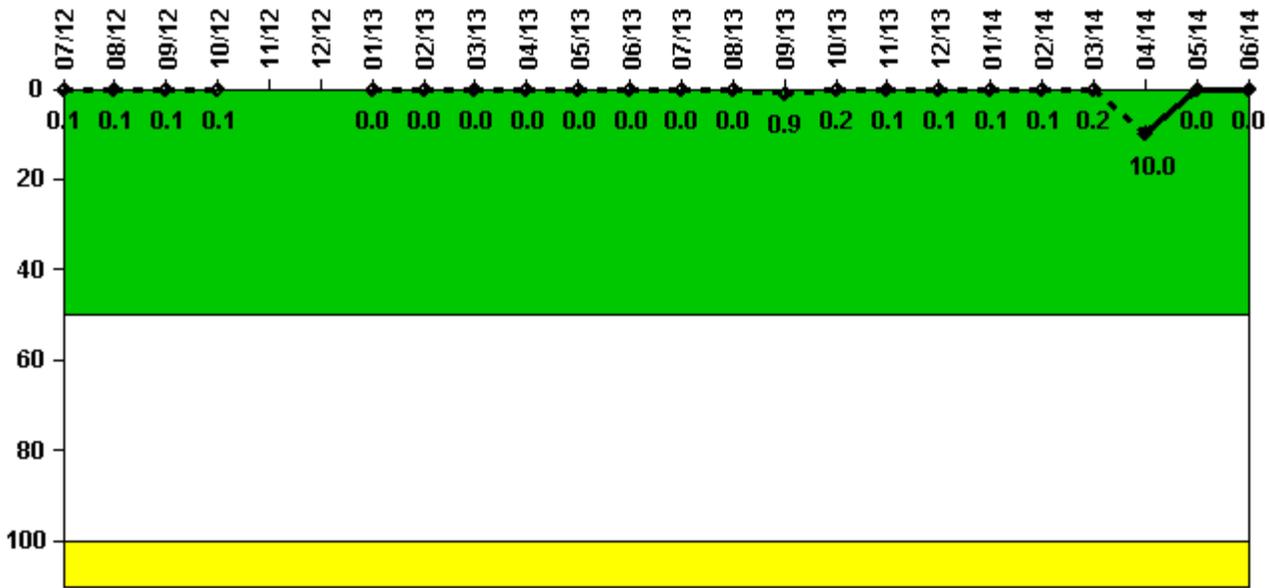
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	4.07E-08	4.12E-08	4.25E-08	4.15E-08	4.18E-08	4.03E-08	7.05E-08	7.28E-08
URI (Δ CDF)	-2.56E-08	-3.89E-08	-3.86E-08	-3.98E-08	-4.01E-08	-4.03E-08	-4.26E-08	-4.32E-08
PLE	NO							
Indicator value	1.50E-08	2.30E-09	3.90E-09	1.70E-09	1.70E-09	-4.20E-11	2.80E-08	3.00E-08

Licensee Comments:

3Q/12: An evaluation of an component event previously reported as a MSPI failure in the 2nd quarter 2012 PI data determined that there was not a failure. A change report is being submitted with the 3rd quarter 2012 data submittal to remove this failure based on final evaluation. This change in information has no affect on the PI color, which remains GREEN.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

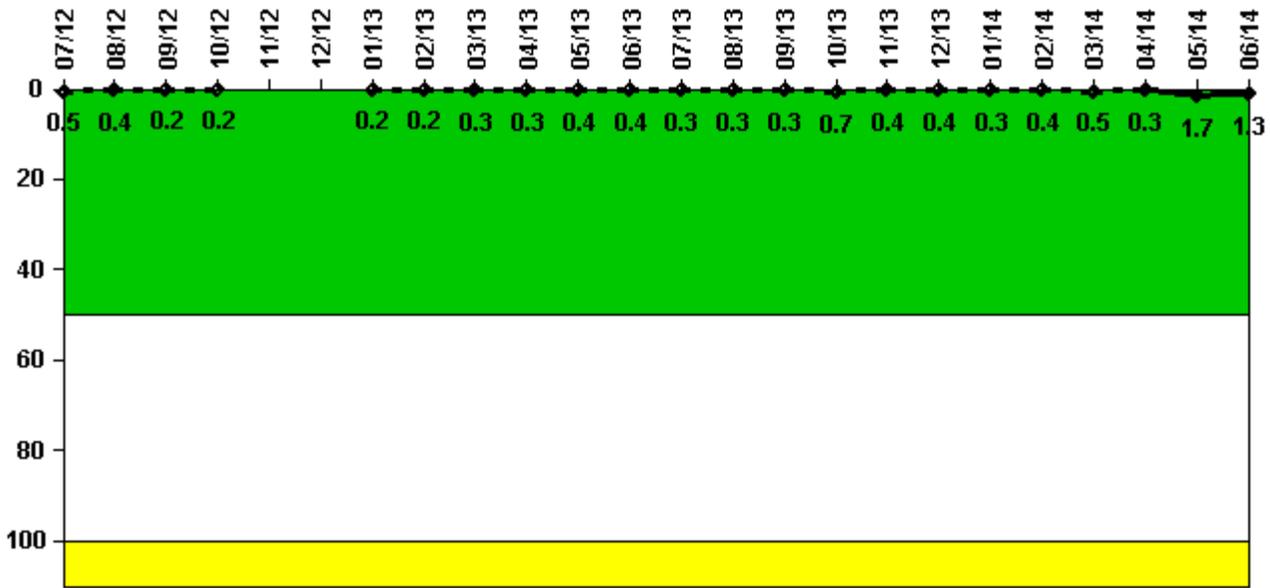
Notes

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	0.000634	0.000614	0.000622	0.000671	N/A	N/A	0.000103	0.000187	0.000201	0.000221	0.000211	0.000246
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	0.1	0.1	0.1	0.1	N/A	N/A	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	0.000267	0.000278	0.008540	0.002010	0.001480	0.000664	0.000656	0.000954	0.002210	0.100000	0.000160	0.000133
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	0.9	0.2	0.1	0.1	0.1	0.1	0.2	10.0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



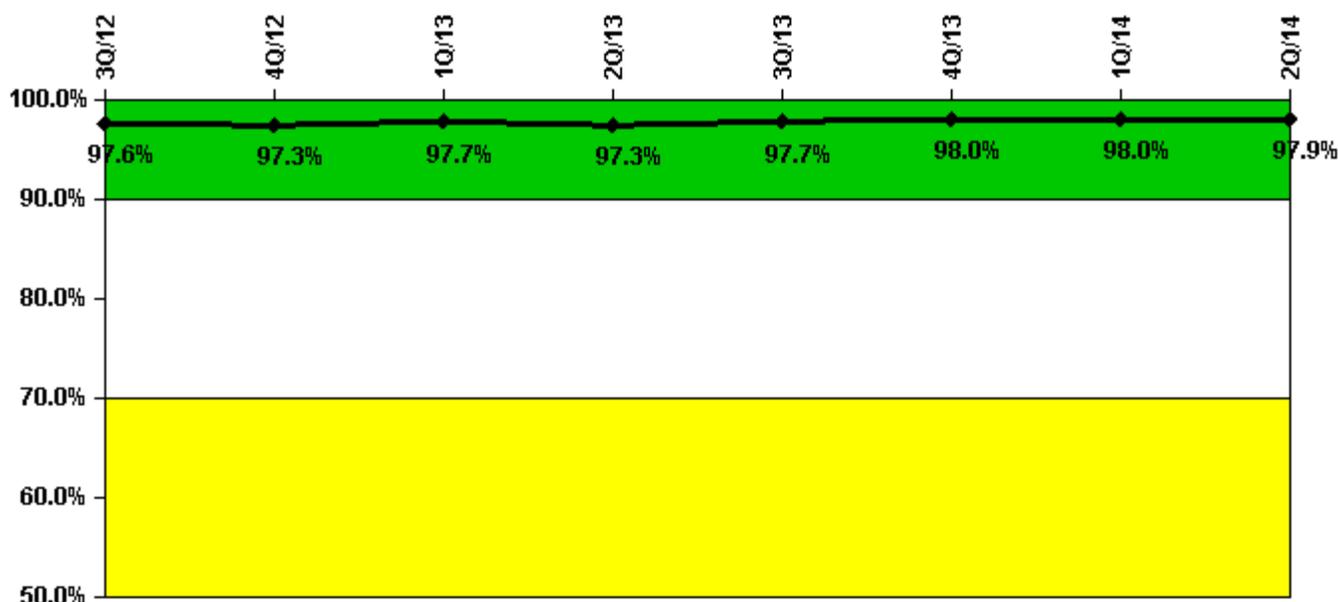
Thresholds: White > 50.0 Yellow > 100.0

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	0.050	0.040	0.020	0.020	N/A	N/A	0.020	0.020	0.030	0.030	0.040	0.040
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	0.5	0.4	0.2	0.2	N/A	N/A	0.2	0.2	0.3	0.3	0.4	0.4
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	0.030	0.030	0.030	0.070	0.040	0.040	0.030	0.040	0.050	0.030	0.170	0.130
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	0.3	0.3	0.3	0.7	0.4	0.4	0.3	0.4	0.5	0.3	1.7	1.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

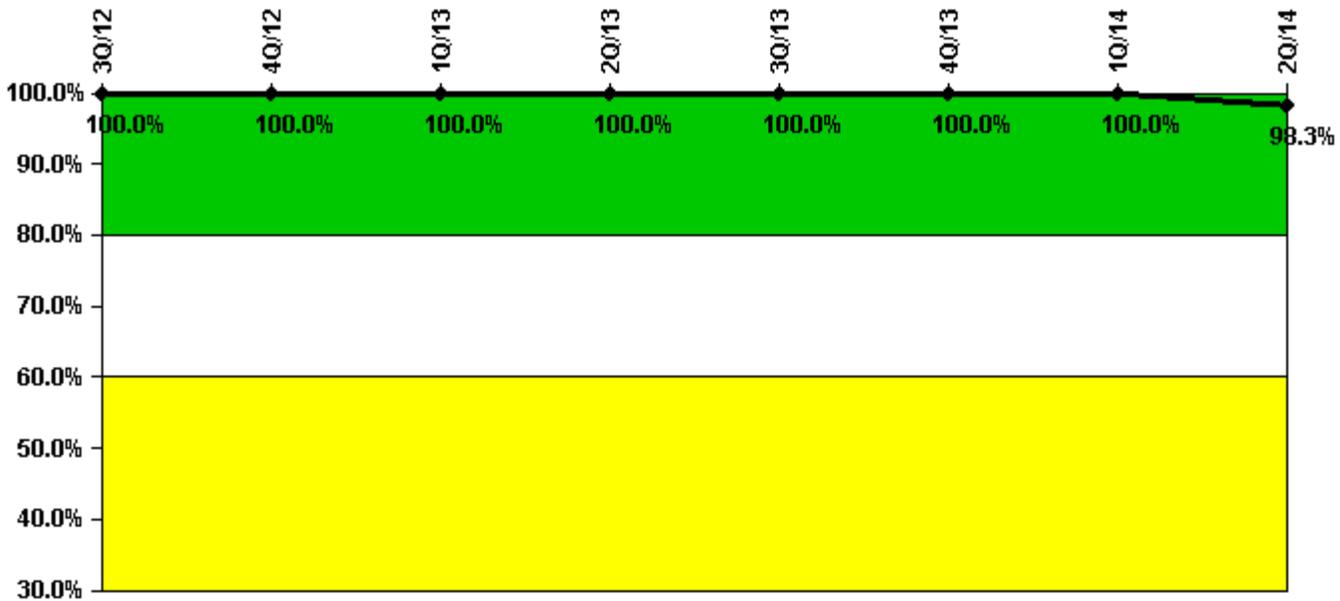
Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	32.0	0	21.0	46.0	100.0	46.0	36.0	46.0
Total opportunities	32.0	0	22.0	48.0	102.0	48.0	36.0	46.0
Indicator value	97.6%	97.3%	97.7%	97.3%	97.7%	98.0%	98.0%	97.9%

Licensee Comments:

3Q/13: A change report was submitted to address a followup Alert classification and its associated communication that were erroneously counted as two opportunities in March 2013. The successful to total opportunities for March 2013 was revised from "17 of 18" to "15 of 16." There is no effect on the PI color, which remains green.

1Q/13: A followup Alert classification and its associated communication were erroneously counted as two opportunities in March 2013. The successful to total opportunities for March 2013 is revised from "17 of 18" to "15 of 16." There is no effect on the PI color, which remains green.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

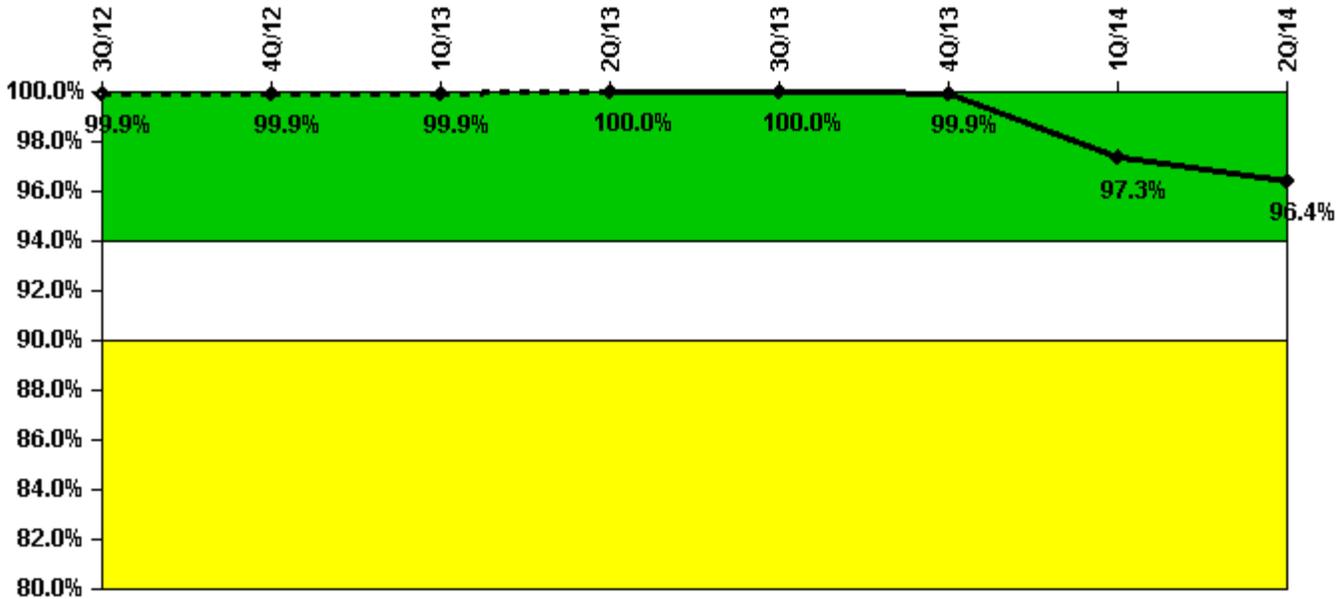
Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	95.0	96.0	98.0	101.0	117.0	114.0	117.0	113.0
Total Key personnel	95.0	96.0	98.0	101.0	117.0	114.0	117.0	115.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	98.3%

Licensee Comments:

2Q/13: One additional key ERO member was identified as having been trained and qualified in June 2013 that was not previously counted. The reported participating and total key personnel is revised from "100 of 100" to "101 of 101." There is no effect on the PI color, which remains green.

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

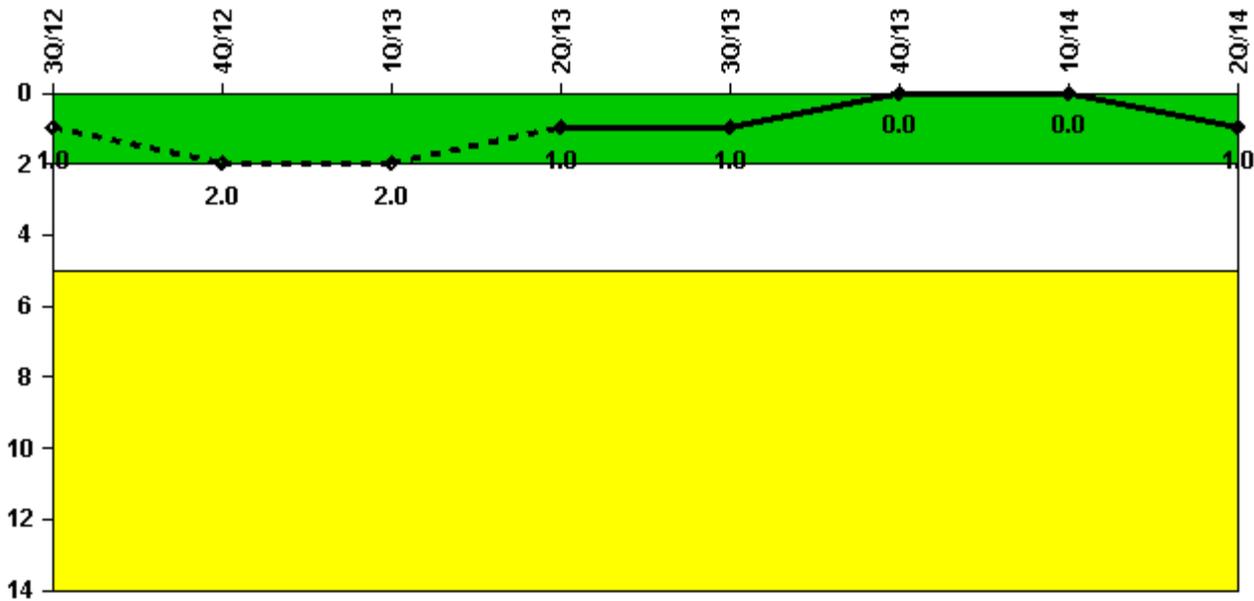
Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	438	438	438	438	438	437	392	422
Total sirens-tests	438	438	438	438	438	438	438	438
Indicator value	99.9%	99.9%	99.9%	100.0%	100.0%	99.9%	97.3%	96.4%

Licensee Comments:

3Q/13: A change report was submitted to address one additional key ERO member that was identified as having been trained and qualified in June 2013 that was not previously counted. The reported participating and total key personnel was revised from "100 of 100" to "101 of 101." There is no effect on the PI color, which remains green.

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

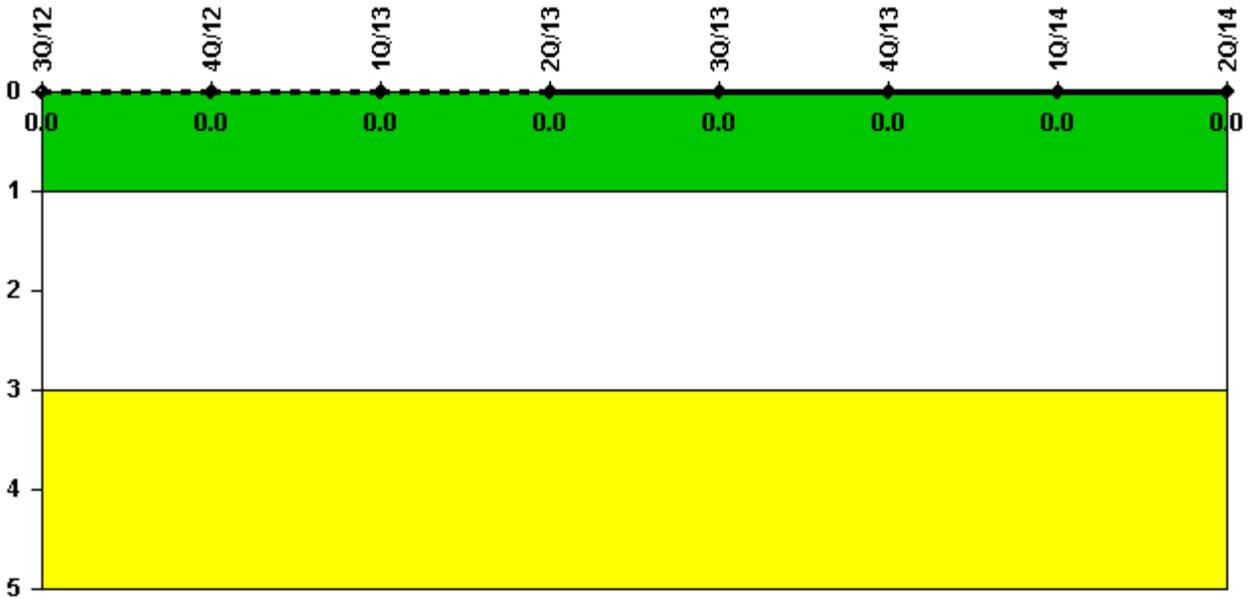
Notes

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	1	0	0	0	0	0	1
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	1	2	2	1	1	0	0	1

Licensee Comments:

4Q/12: The high radiation area occurrence reported in the 4th Quarter 2012 data submittal has been conservatively reported while a FAQ is developed based on other approved FAQs that address similar situations.

RETS/ODCM Radiological Effluent



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							

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