

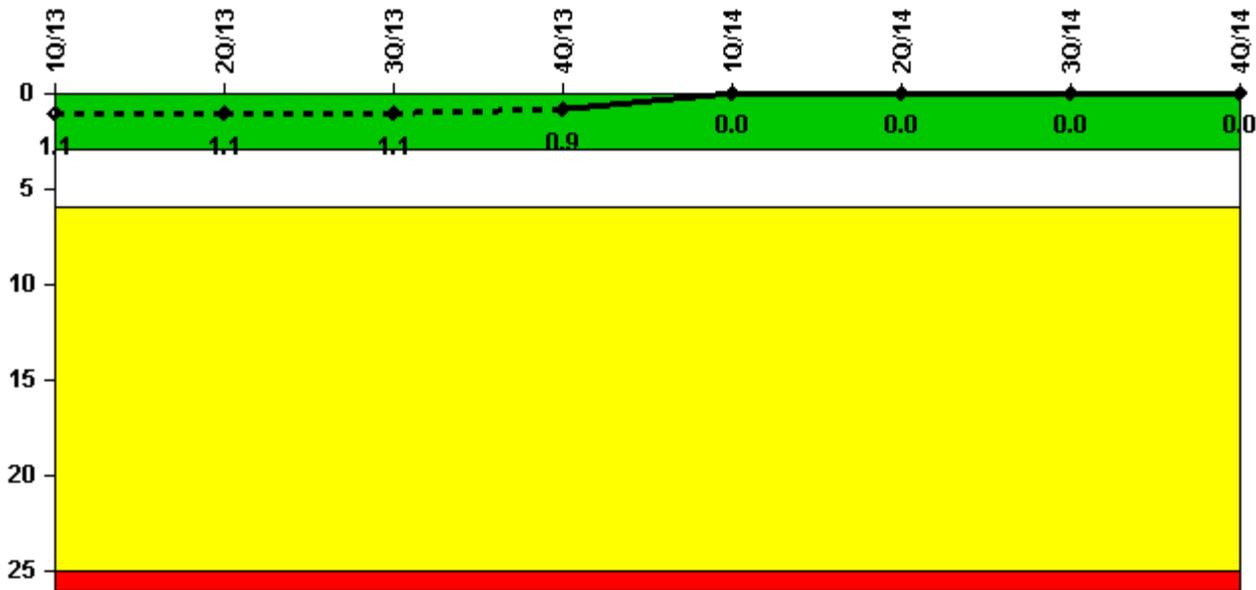
Waterford 3

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



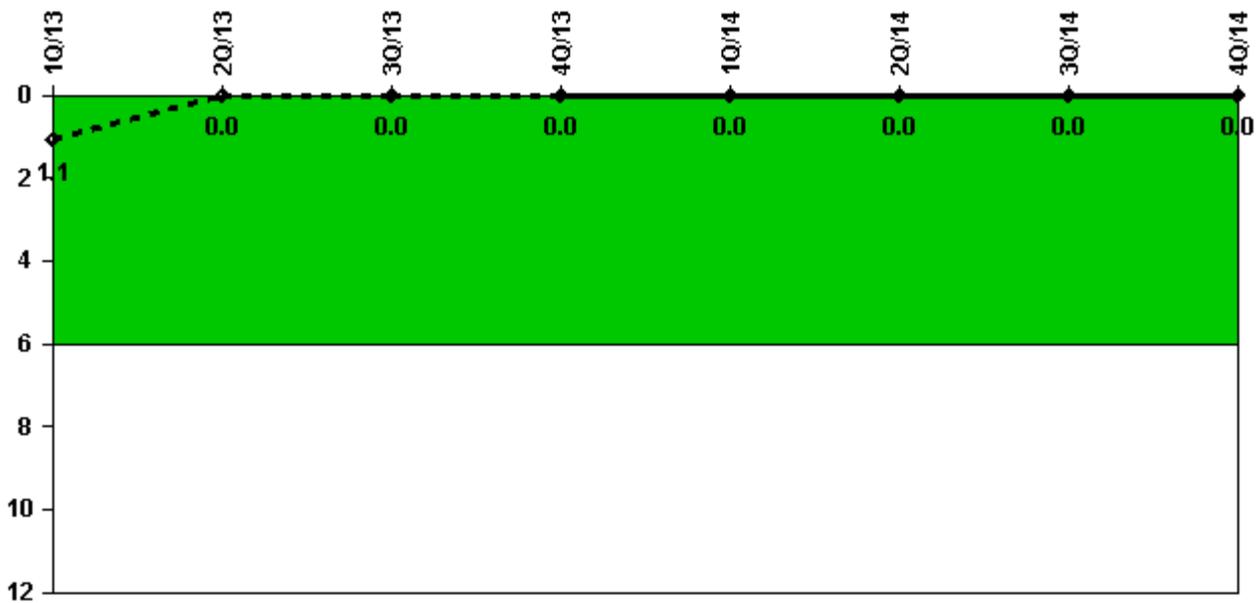
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1726.0	2069.0	2208.0	2209.0	2159.0	1439.6	2208.0	2209.0
Indicator value	1.1	1.1	1.1	0.9	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



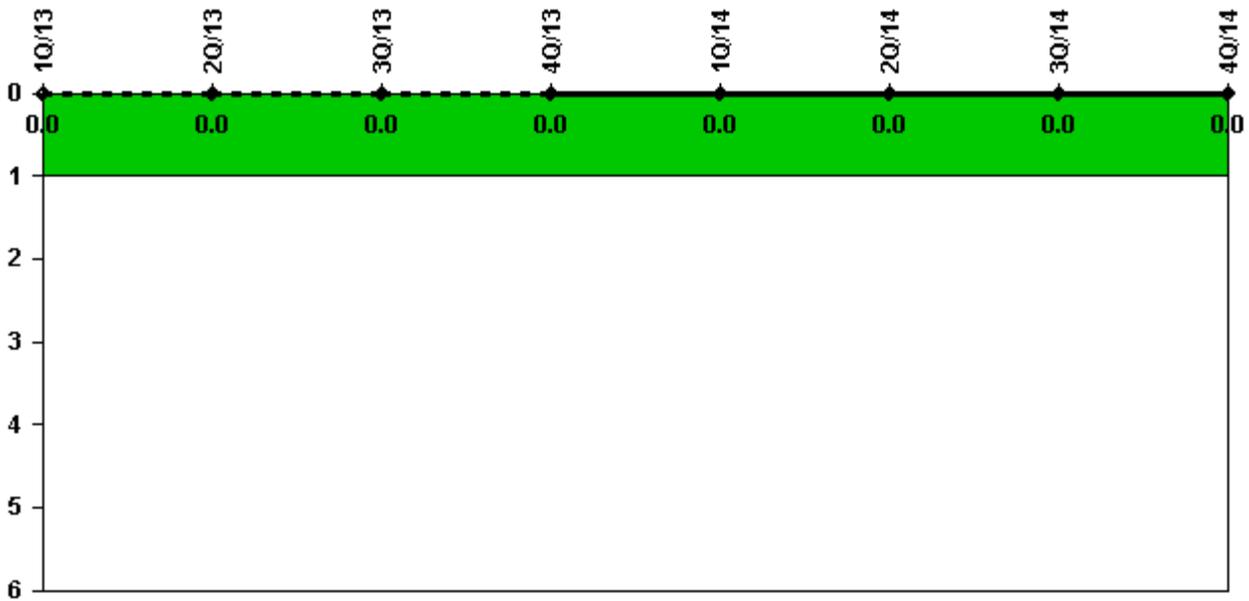
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1726.0	2069.0	2208.0	2209.0	2159.0	1439.6	2208.0	2209.0
Indicator value	1.1	0						

Licensee Comments: none

Unplanned Scrams with Complications



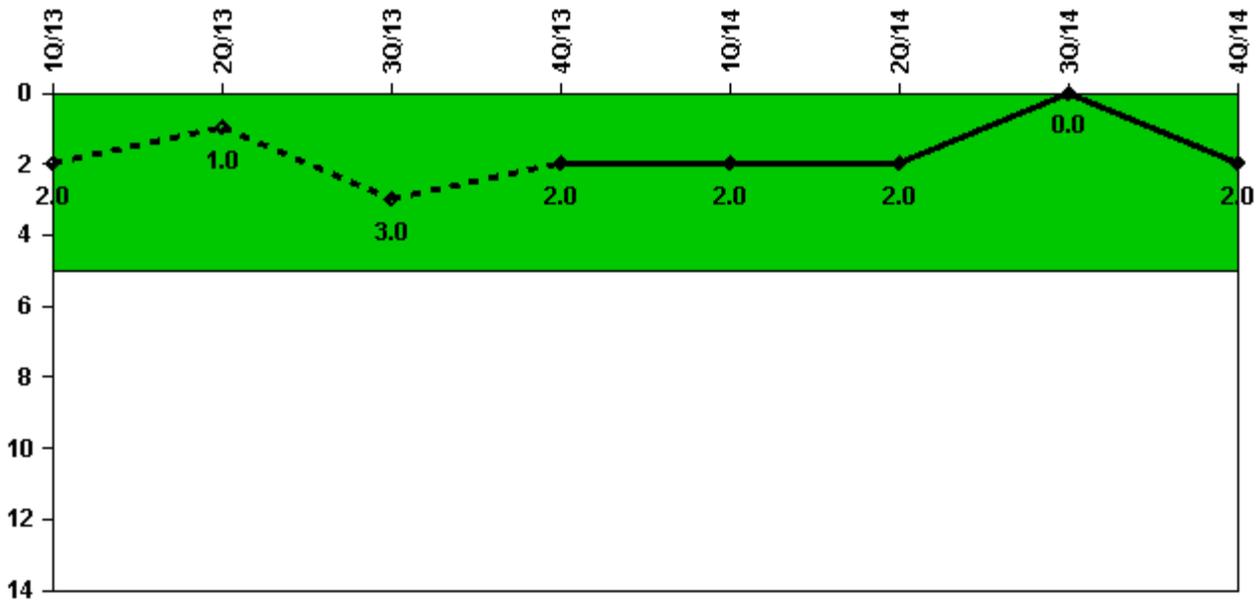
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/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)	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Safety System Functional Failures	0	0	2	0	0	0	0	2
Indicator value	2	1	3	2	2	2	0	2

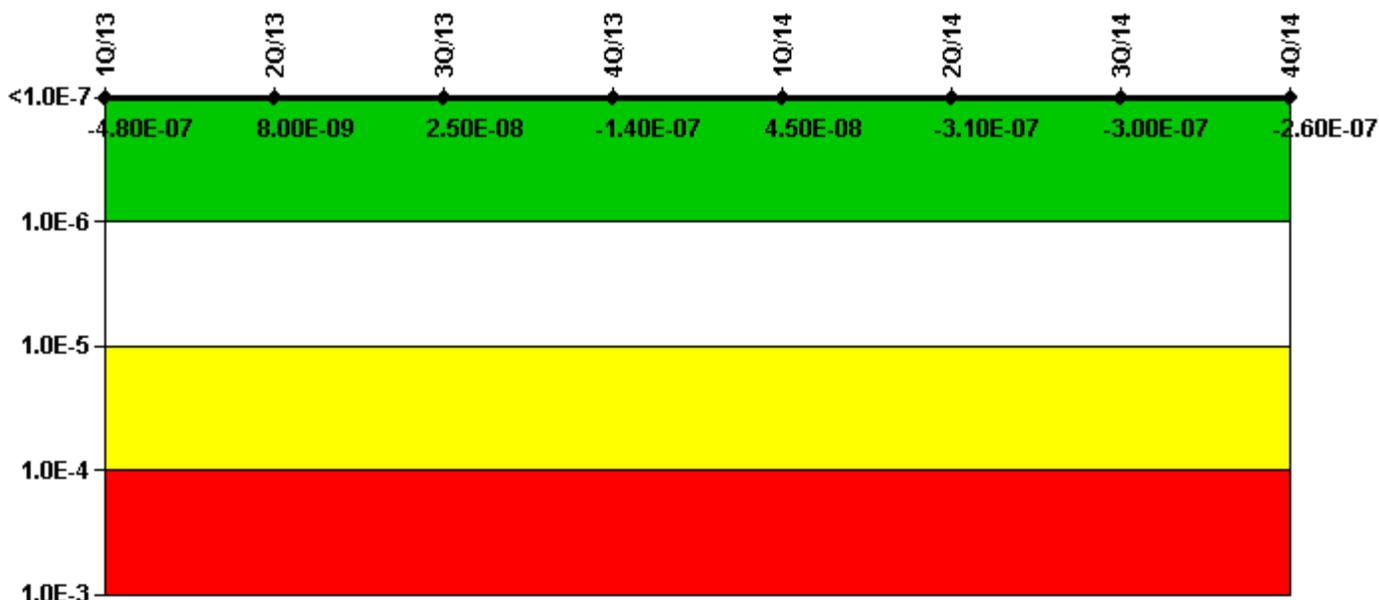
Licensee Comments:

4Q/14: LER 2014-003-00 and LER 2014-004-00 both submitted 4th quarter as SSFF.

3Q/14: LER 2014-003-00 a SSFF was reported in Licensing Event Report LER 2014-003-00. This SSFF was originally reported with 3rd quarter 2014 data submittal for time of occurrence in error. This has been entered into the corrective action program under CR-WF3-2014-6299. The PI color will change from Yellow back to Green.

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

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

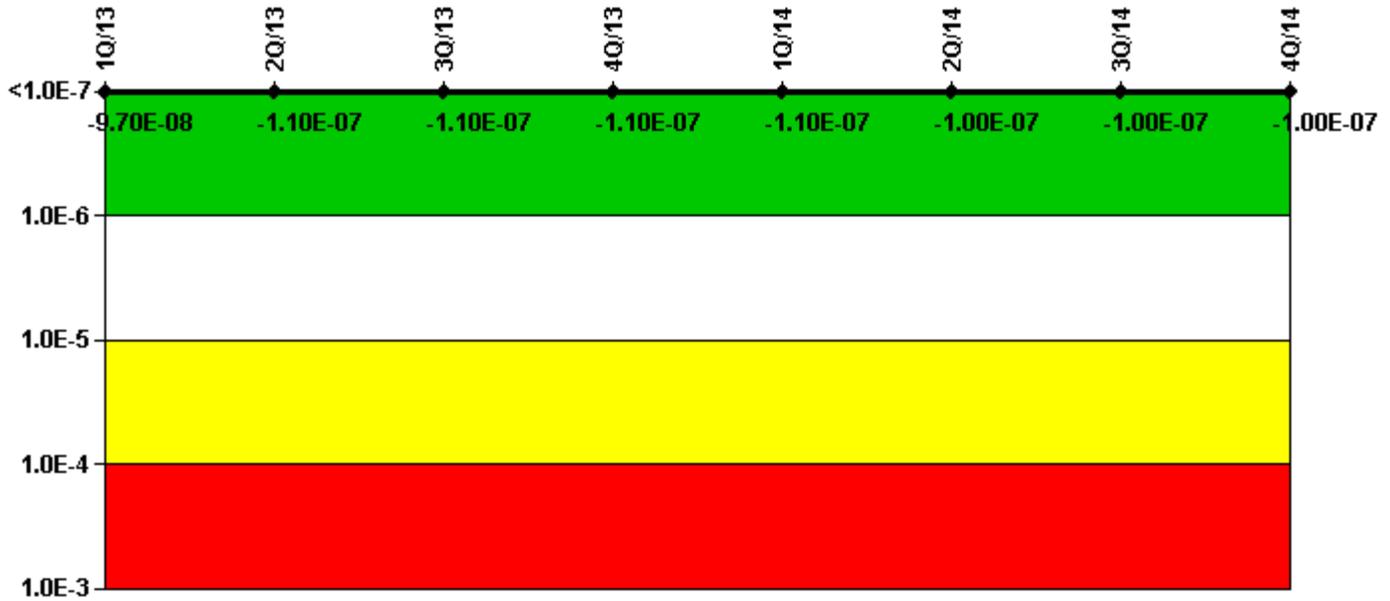
Mitigating Systems Performance Index, Emergency AC Power System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-3.60E-09	1.19E-07	1.29E-07	3.47E-09	1.79E-07	1.09E-07	1.03E-07	1.32E-07
URI (Δ CDF)	-4.77E-07	-1.11E-07	-1.04E-07	-1.40E-07	-1.34E-07	-4.15E-07	-4.04E-07	-3.95E-07
PLE	NO							
Indicator value	-4.80E-07	8.00E-09	2.50E-08	-1.40E-07	4.50E-08	-3.10E-07	-3.00E-07	-2.60E-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



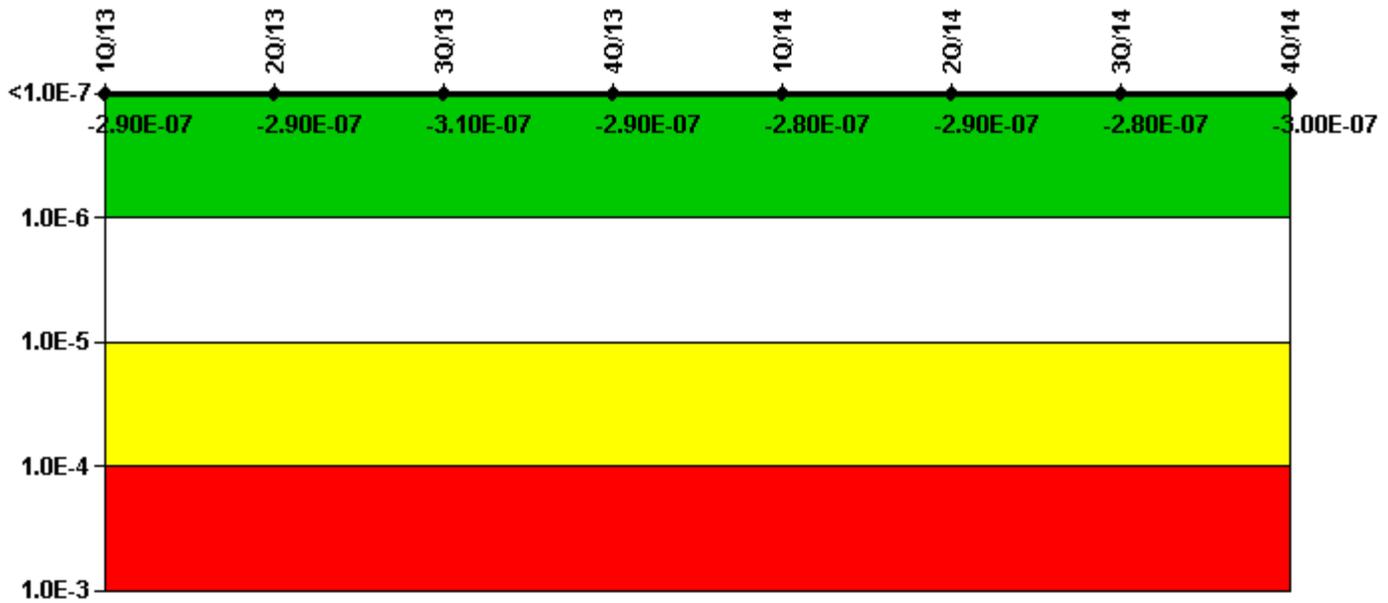
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-5.10E-09	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-9.58E-09	-9.58E-09
URI (Δ CDF)	-9.23E-08	-9.29E-08	-9.37E-08	-9.36E-08	-9.33E-08	-9.13E-08	-9.18E-08	-9.34E-08
PLE	NO							
Indicator value	-9.70E-08	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



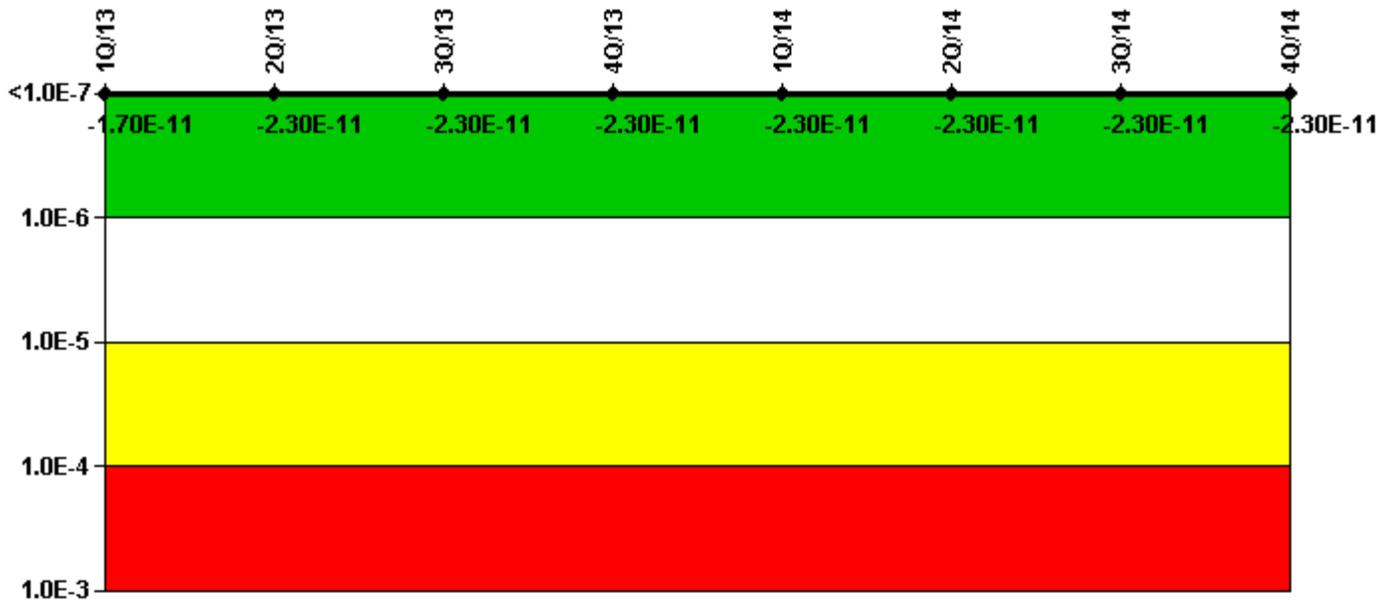
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	1.62E-08	1.55E-08	2.54E-09	2.23E-08	3.37E-08	3.32E-08	3.32E-08	1.84E-08
URI (Δ CDF)	-3.06E-07	-3.06E-07	-3.09E-07	-3.11E-07	-3.15E-07	-3.21E-07	-3.14E-07	-3.19E-07
PLE	NO							
Indicator value	-2.90E-07	-2.90E-07	-3.10E-07	-2.90E-07	-2.80E-07	-2.90E-07	-2.80E-07	-3.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



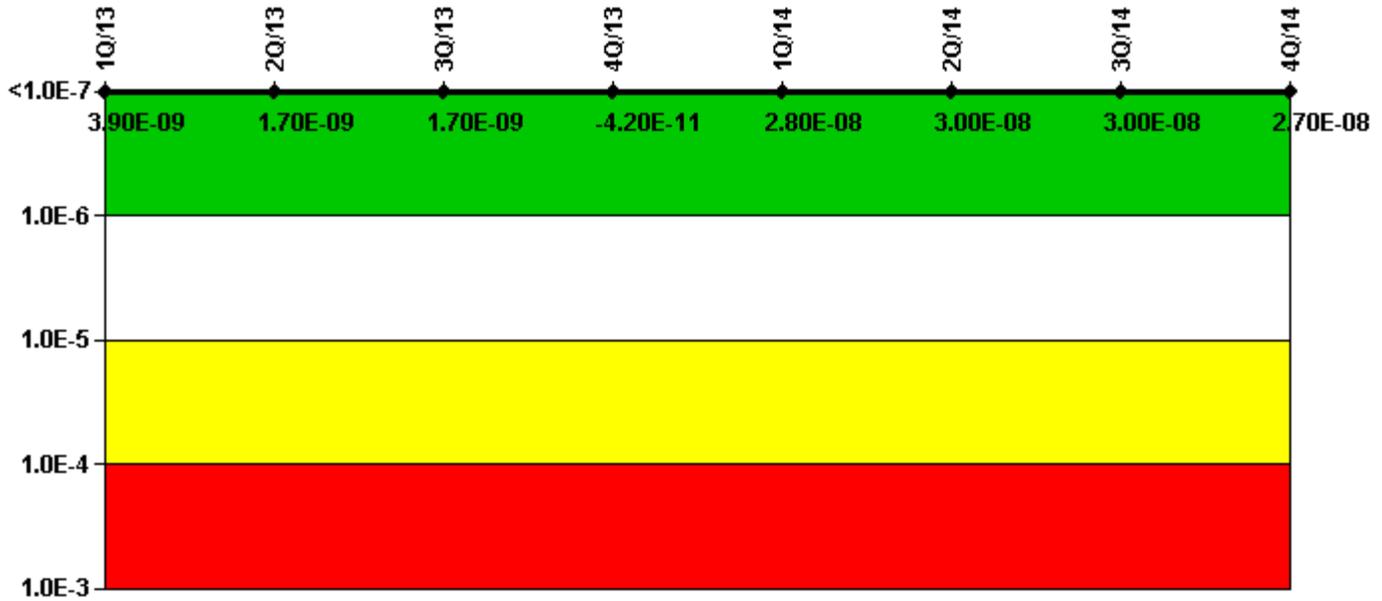
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-4.89E-12	-1.07E-11						
URI (Δ CDF)	-1.19E-11	-1.18E-11	-1.20E-11	-1.22E-11	-1.23E-11	-1.25E-11	-1.23E-11	-1.24E-11
PLE	NO							
Indicator value	-1.70E-11	-2.30E-11						

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



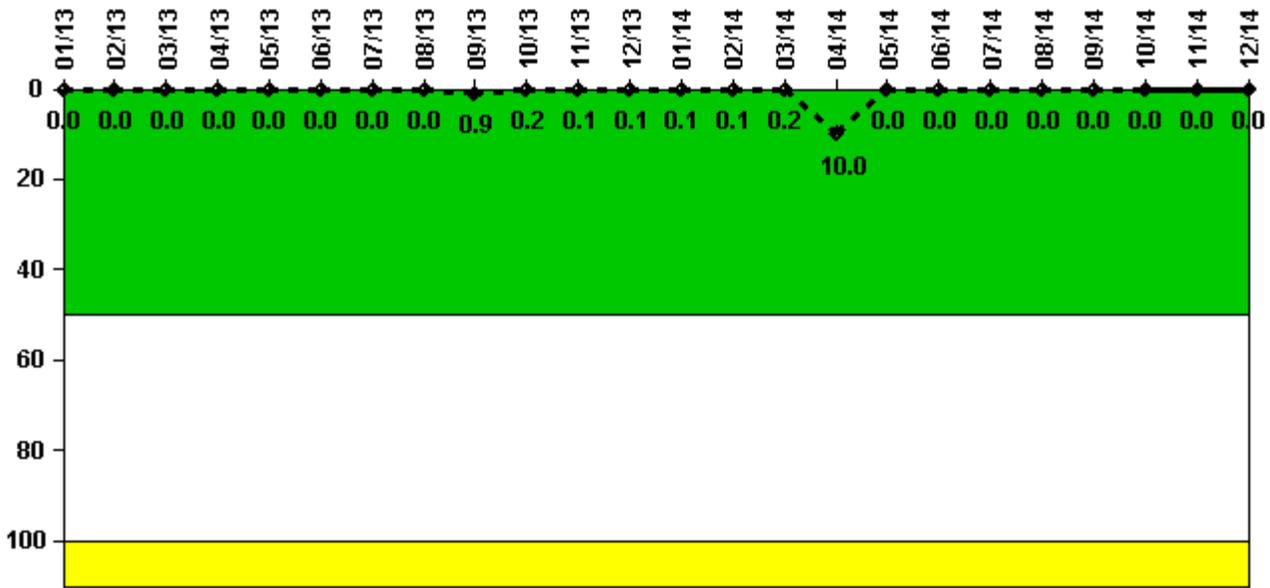
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	4.25E-08	4.15E-08	4.18E-08	4.03E-08	7.05E-08	7.28E-08	7.34E-08	7.05E-08
URI (Δ CDF)	-3.86E-08	-3.98E-08	-4.01E-08	-4.03E-08	-4.26E-08	-4.32E-08	-4.30E-08	-4.31E-08
PLE	NO							
Indicator value	3.90E-09	1.70E-09	1.70E-09	-4.20E-11	2.80E-08	3.00E-08	3.00E-08	2.70E-08

Licensee Comments: none

Reactor Coolant System Activity



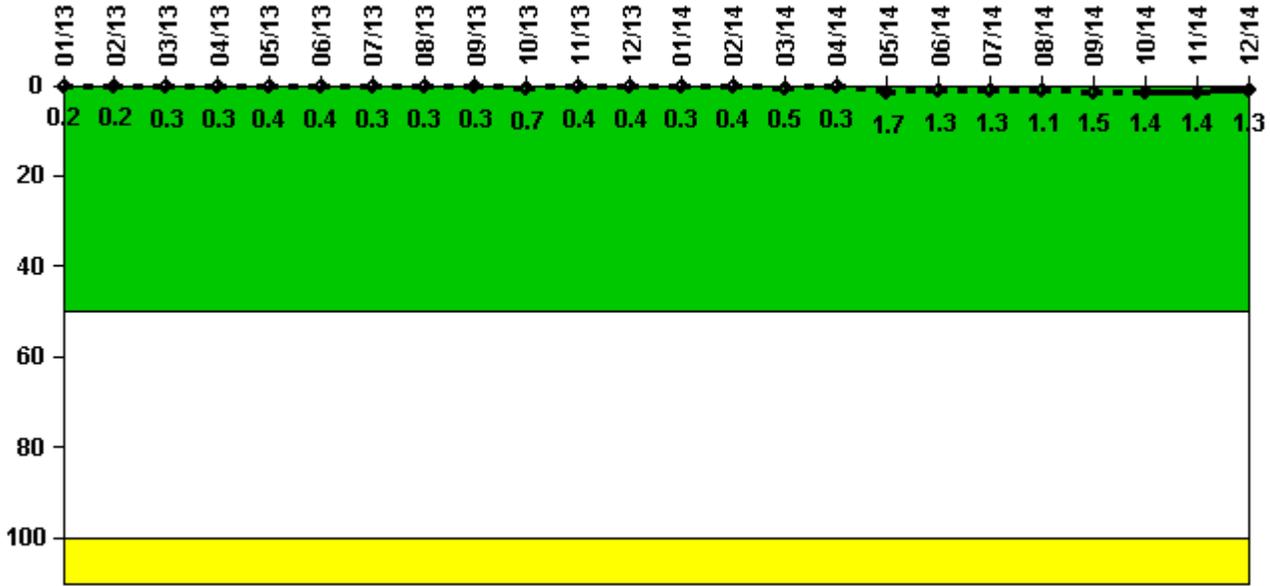
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum activity	0.000103	0.000187	0.000201	0.000221	0.000211	0.000246	0.000267	0.000278	0.008540	0.002010	0.001480	0.000664
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	0.9	0.2	0.1	0.1
Reactor Coolant System Activity	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum activity	0.000656	0.000954	0.002210	0.100000	0.000160	0.000133	0.000195	0.000185	0.000195	0.000136	0.000208	0.000207
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	0.2	10.0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



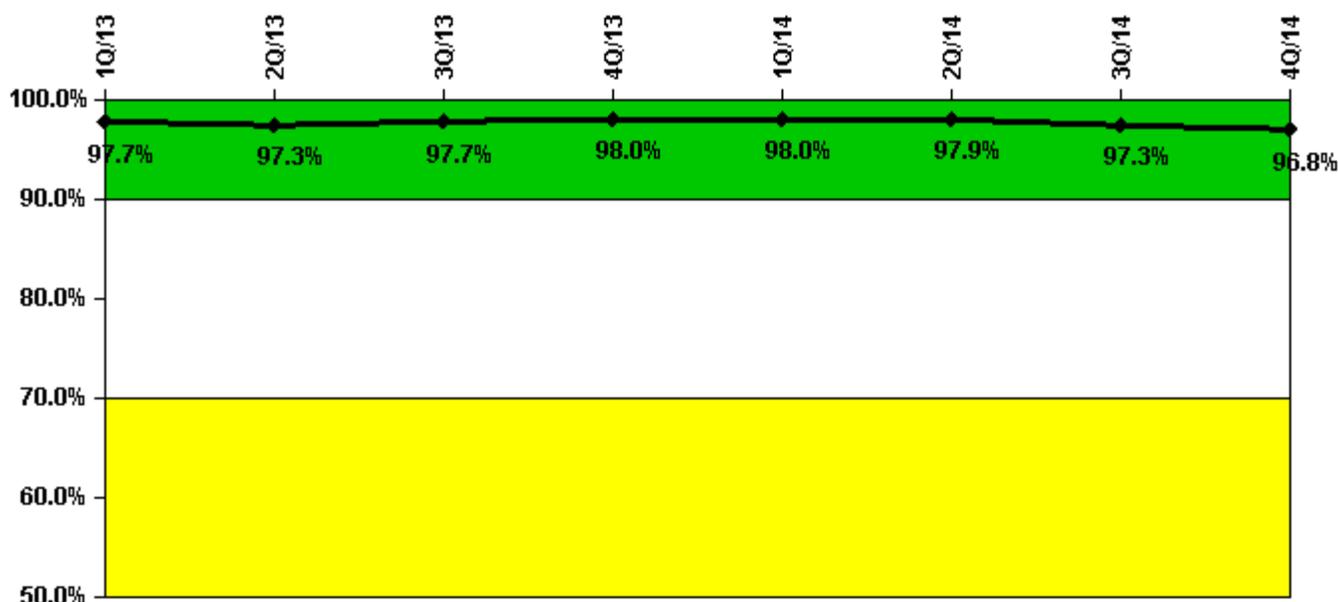
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	0.020	0.020	0.030	0.030	0.040	0.040	0.030	0.030	0.030	0.070	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	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.7	0.4	0.4
Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	0.030	0.040	0.050	0.030	0.170	0.130	0.130	0.110	0.150	0.140	0.140	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	0.4	0.5	0.3	1.7	1.3	1.3	1.1	1.5	1.4	1.4	1.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

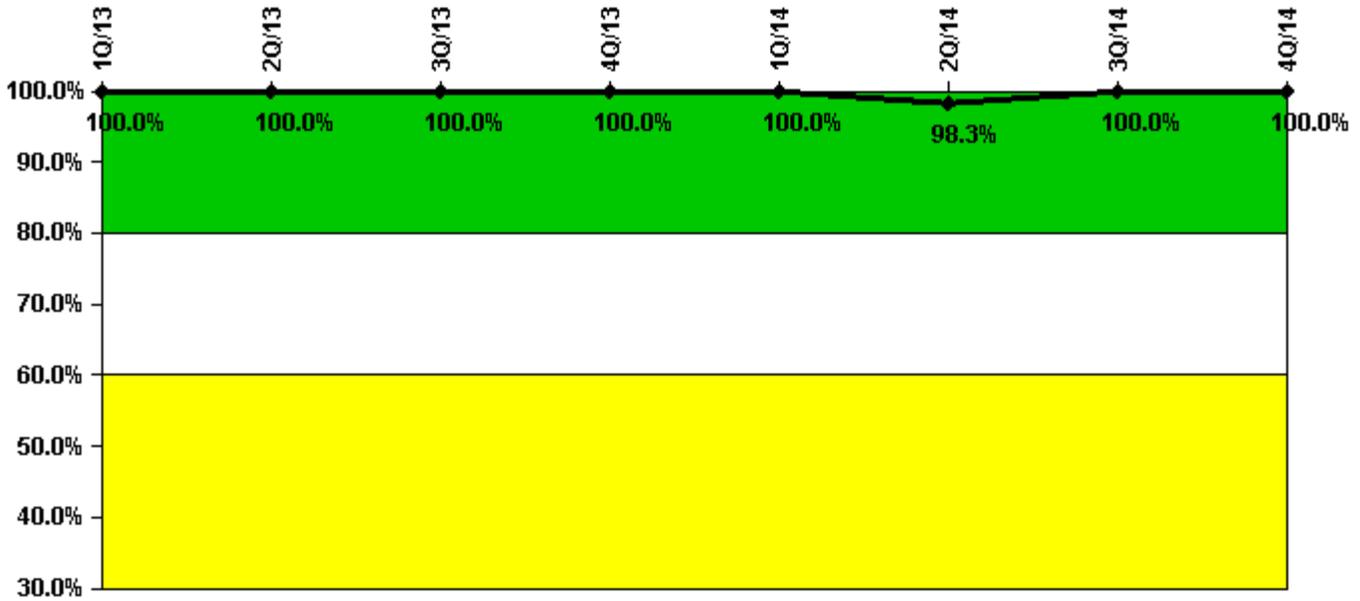
Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	21.0	46.0	100.0	46.0	36.0	46.0	25.0	68.0
Total opportunities	22.0	48.0	102.0	48.0	36.0	46.0	27.0	72.0
Indicator value	97.7%	97.3%	97.7%	98.0%	98.0%	97.9%	97.3%	96.8%

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%

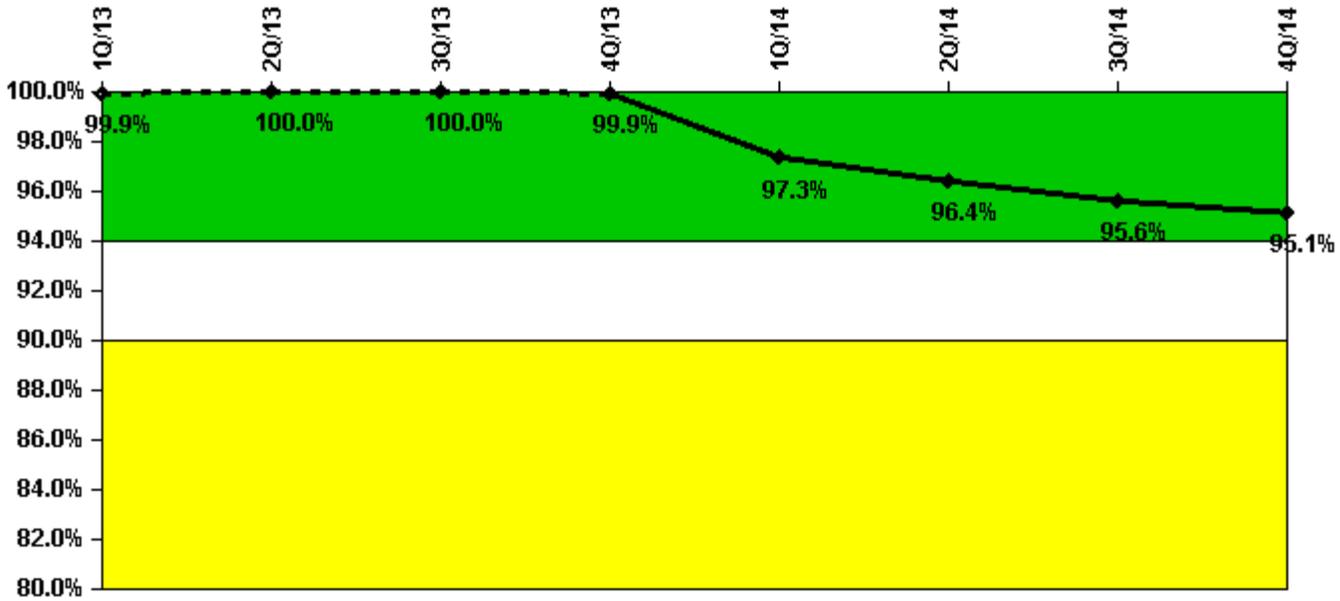
Notes

ERO Drill Participation	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Participating Key personnel	98.0	101.0	117.0	114.0	117.0	113.0	110.0	113.0
Total Key personnel	98.0	101.0	117.0	114.0	117.0	115.0	110.0	113.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	98.3%	100.0%	100.0%

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%

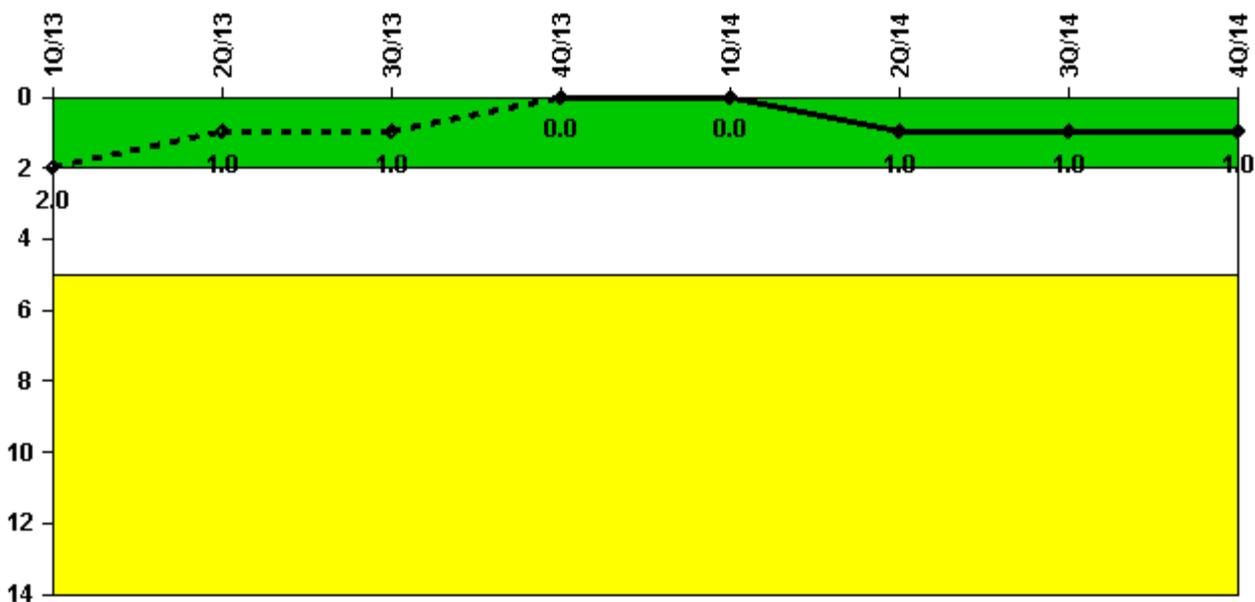
Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	438	438	438	437	392	422	424	429
Total sirens-tests	438	438	438	438	438	438	438	438
Indicator value	99.9%	100.0%	100.0%	99.9%	97.3%	96.4%	95.6%	95.1%

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



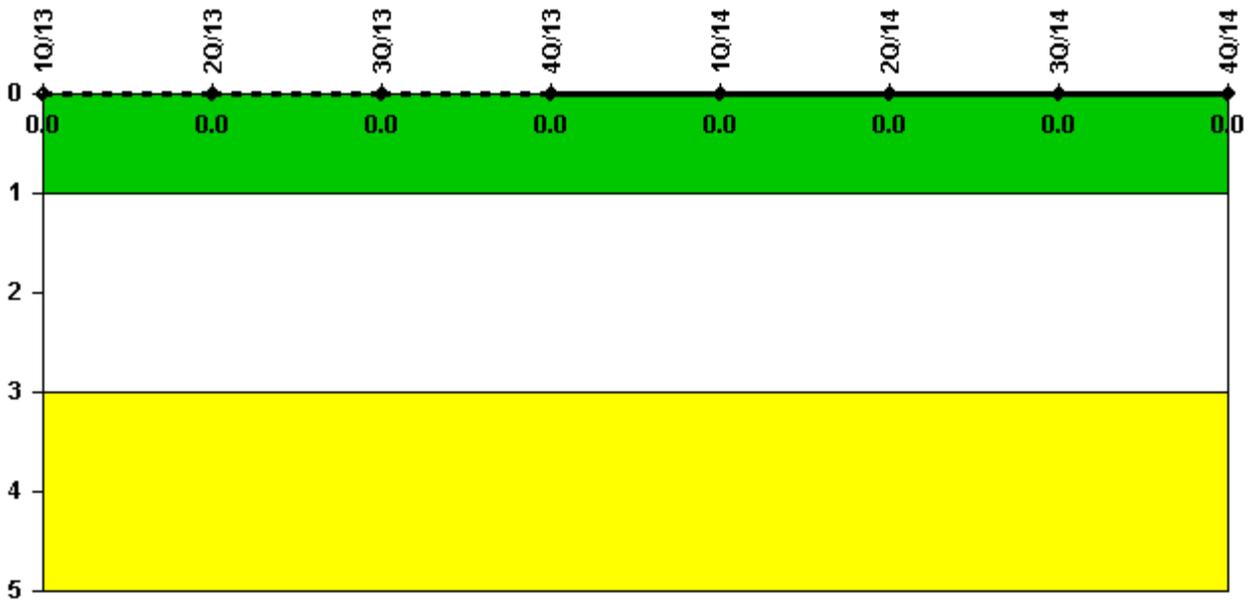
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/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: February 3, 2015