

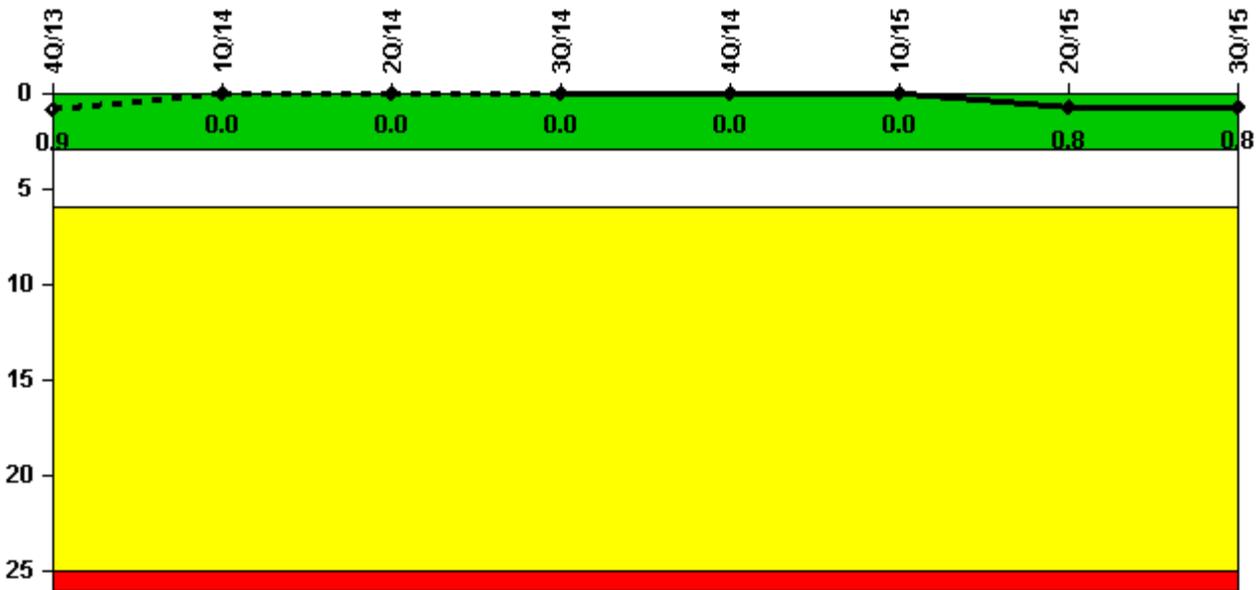
Waterford 3

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



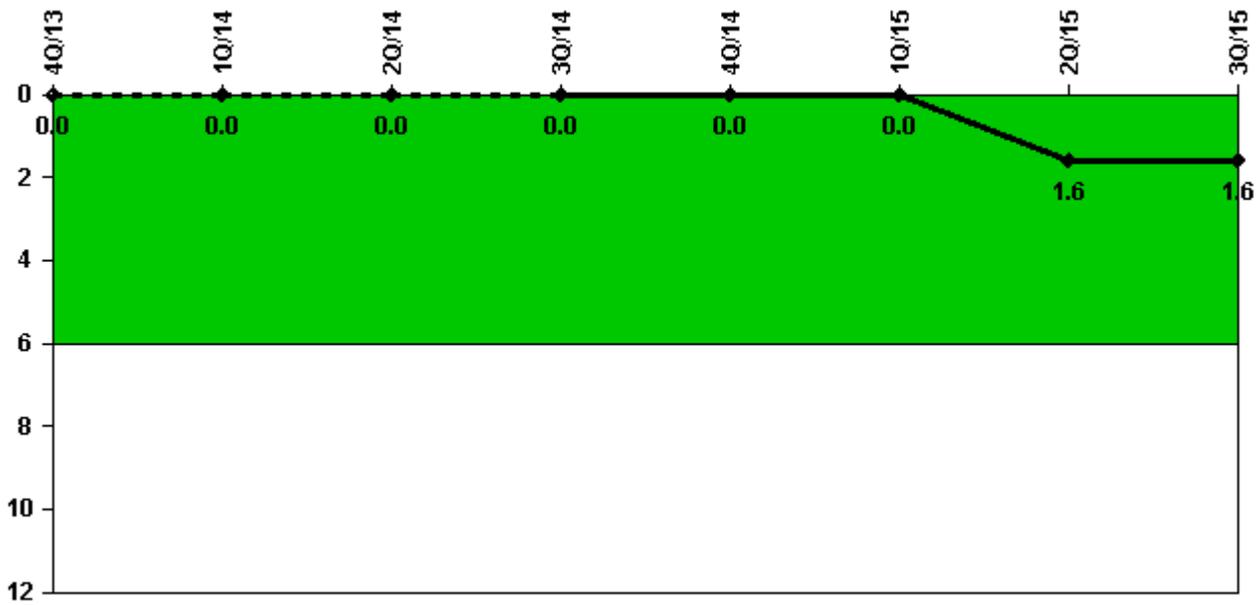
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2209.0	2159.0	1439.6	2208.0	2209.0	2159.0	2079.8	2208.0
Indicator value	0.9	0	0	0	0	0	0.8	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



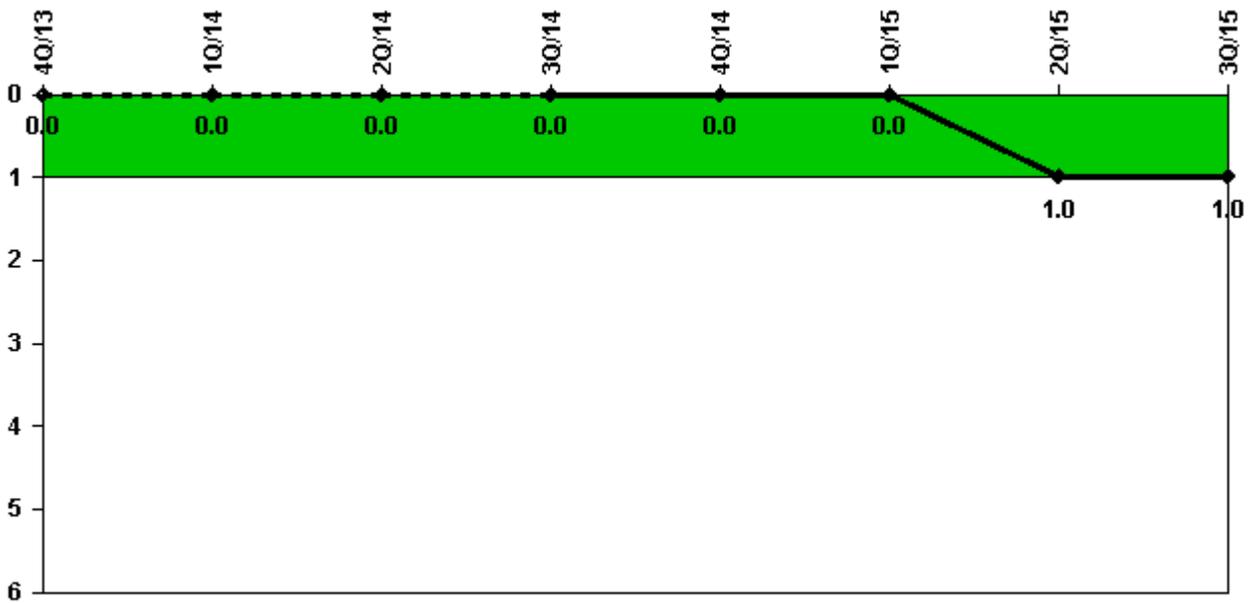
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	0	0	0	0	0	0	2.0	0
Critical hours	2209.0	2159.0	1439.6	2208.0	2209.0	2159.0	2079.8	2208.0
Indicator value	0	0	0	0	0	0	1.6	1.6

Licensee Comments: none

Unplanned Scrams with Complications



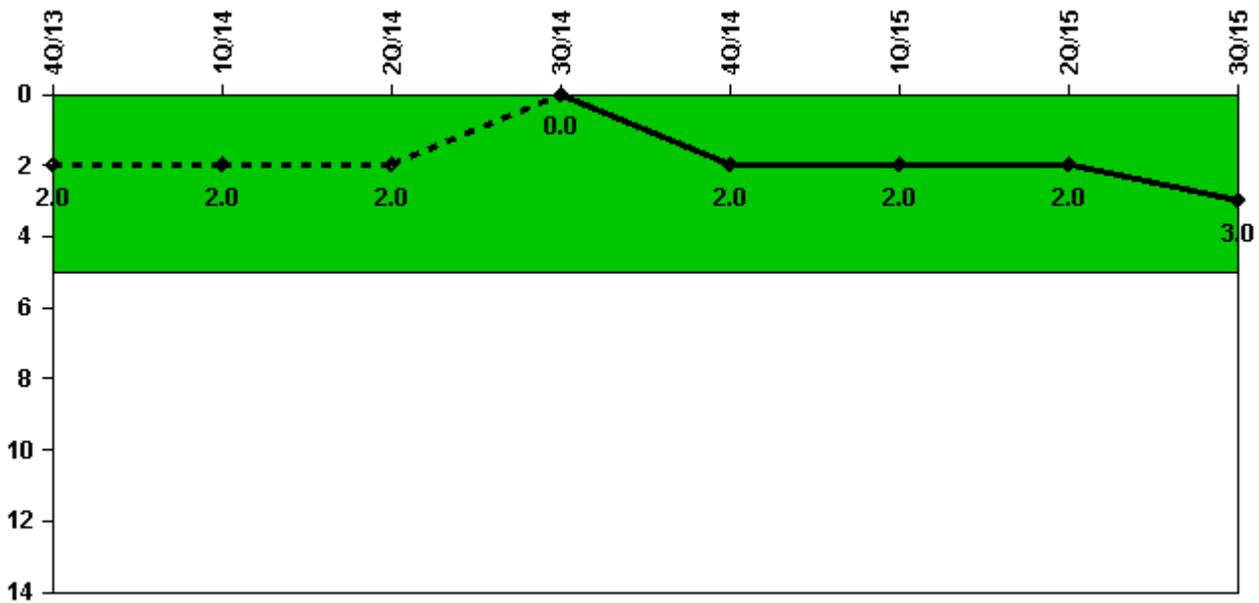
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Scrams with complications	0	0	0	0	0	0	1.0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Safety System Functional Failures	0	0	0	0	2	0	0	1
Indicator value	2	2	2	0	2	2	2	3

Licensee Comments:

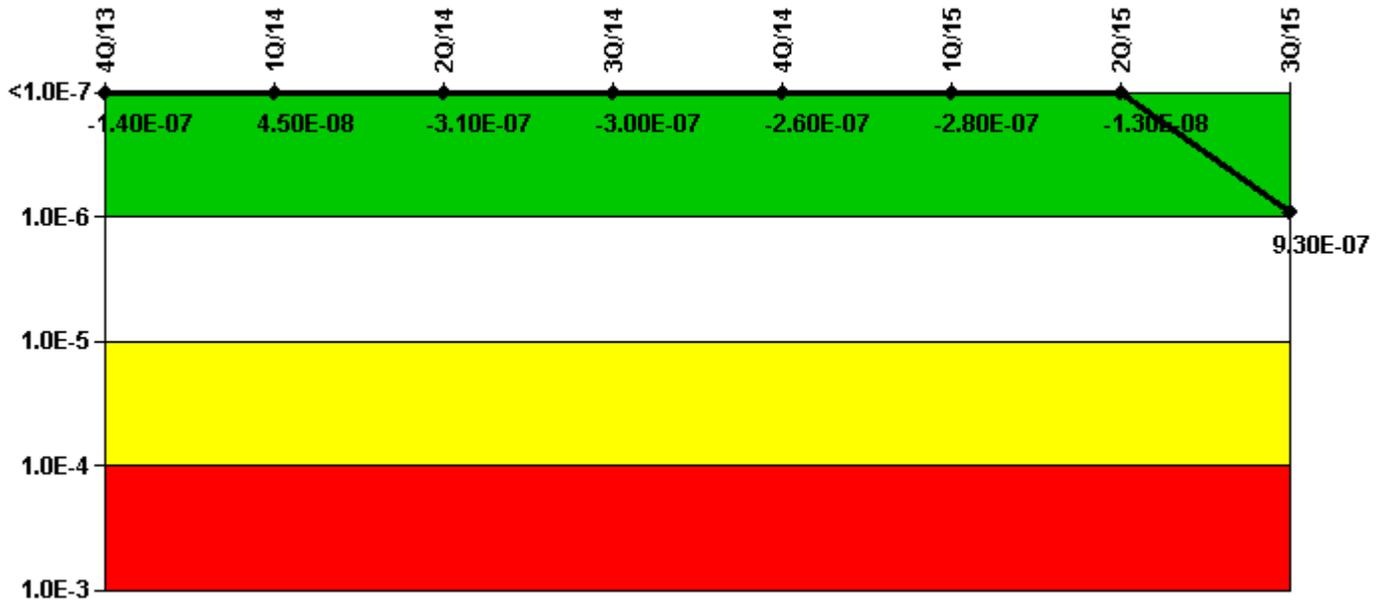
4Q/14: LER 2014-003-00 and LER 2014-004-00 both submitted 4th quarter as SSFF.

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.

1Q/14: LER-2014-001-00 Retracting Change submitted to make it a SSFF - Engineering Analysis had determined it should still not be a SSFF. Changed back due to the system was capable of performing its safety function even though both trains were inoperable. LER currently being revised.

1Q/14: LER-2014-001-00 originally not determined to be a SSFF however, now after additional review is considered to be a SSFF due to past operability of both trains of the safety-related Containment Spray System being inoperable. LER is currently being revised.

Mitigating Systems Performance Index, Emergency AC Power System



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

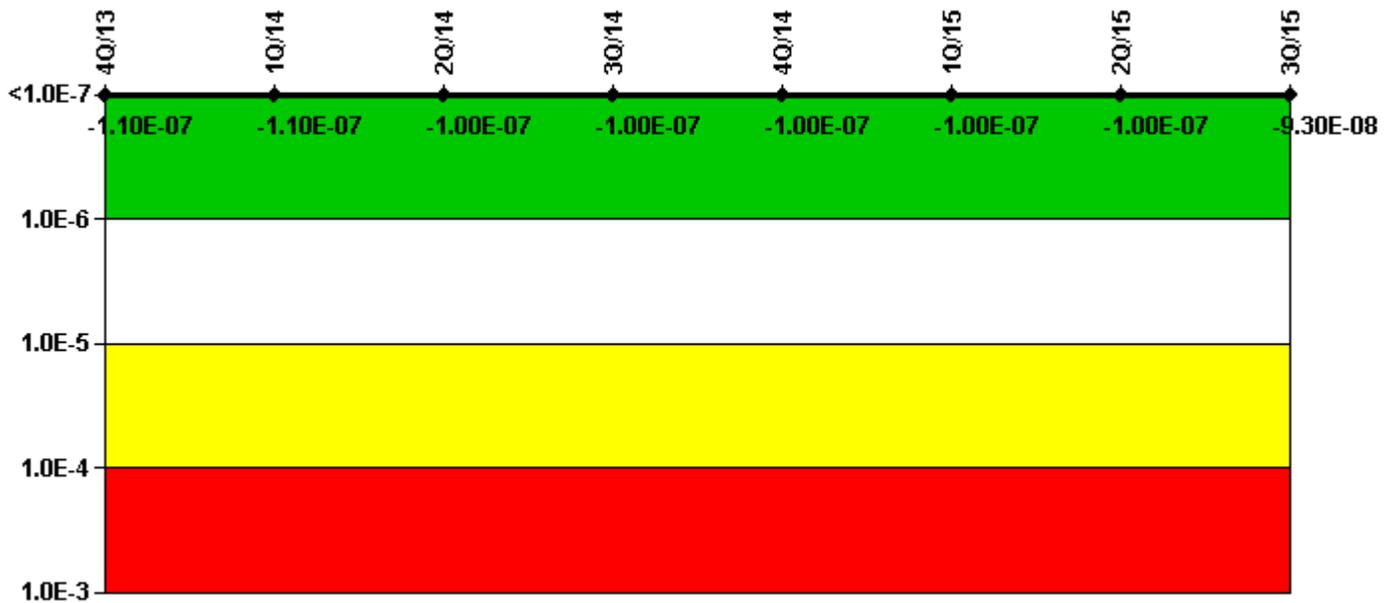
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	3.47E-09	1.79E-07	1.09E-07	1.03E-07	1.32E-07	1.15E-07	3.81E-07	5.69E-07
URI (Δ CDF)	-1.40E-07	-1.34E-07	-4.15E-07	-4.04E-07	-3.95E-07	-3.95E-07	-3.95E-07	3.57E-07
PLE	NO	NO						
Indicator value	-1.40E-07	4.50E-08	-3.10E-07	-3.00E-07	-2.60E-07	-2.80E-07	-1.30E-08	9.30E-07

Licensee Comments:

3Q/15: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



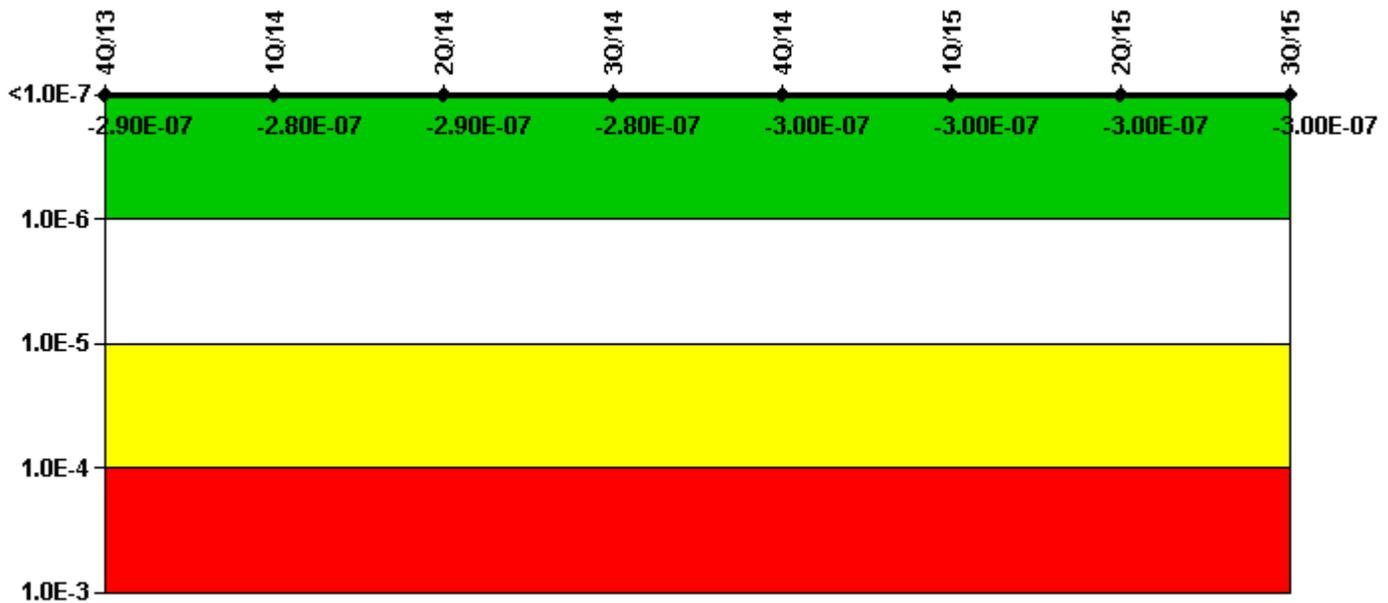
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	-1.30E-08	-1.30E-08	-1.30E-08	-9.58E-09	-9.58E-09	-9.54E-09	-1.01E-08	-3.32E-10
URI (Δ CDF)	-9.36E-08	-9.33E-08	-9.13E-08	-9.18E-08	-9.34E-08	-9.35E-08	-9.24E-08	-9.26E-08
PLE	NO							
Indicator value	-1.10E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-9.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



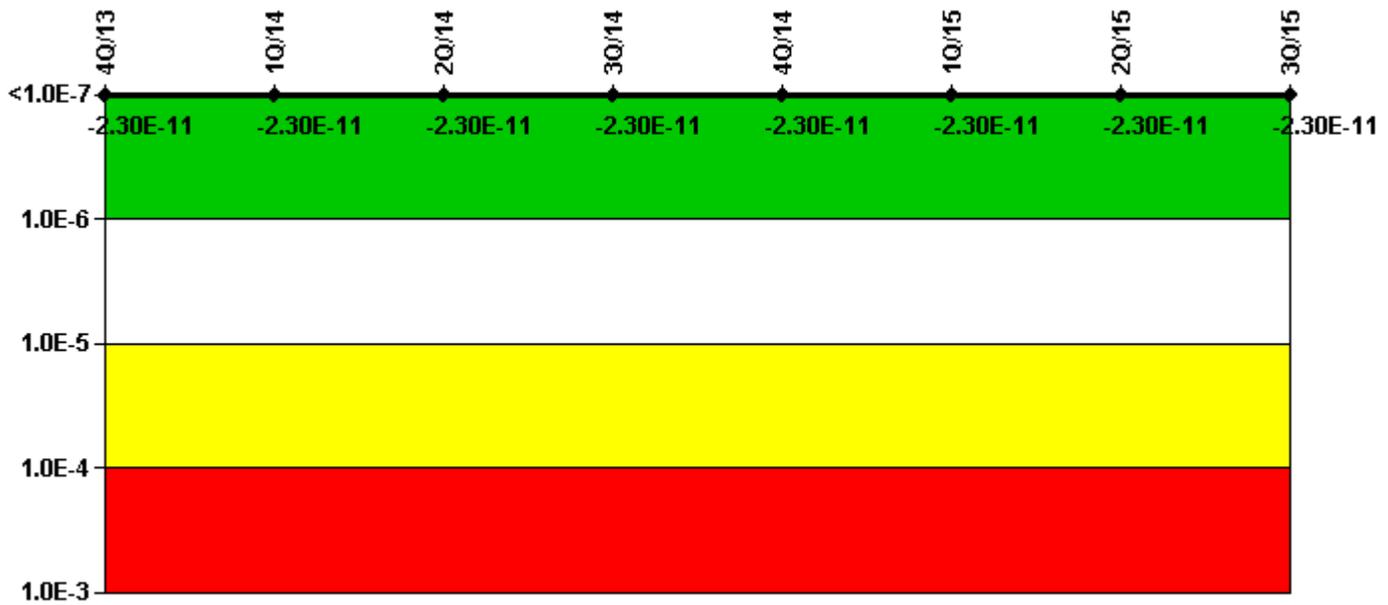
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	2.23E-08	3.37E-08	3.32E-08	3.32E-08	1.84E-08	1.85E-08	1.92E-08	1.86E-08
URI (Δ CDF)	-3.11E-07	-3.15E-07	-3.21E-07	-3.14E-07	-3.19E-07	-3.19E-07	-3.19E-07	-3.21E-07
PLE	NO							
Indicator value	-2.90E-07	-2.80E-07	-2.90E-07	-2.80E-07	-3.00E-07	-3.00E-07	-3.00E-07	-3.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



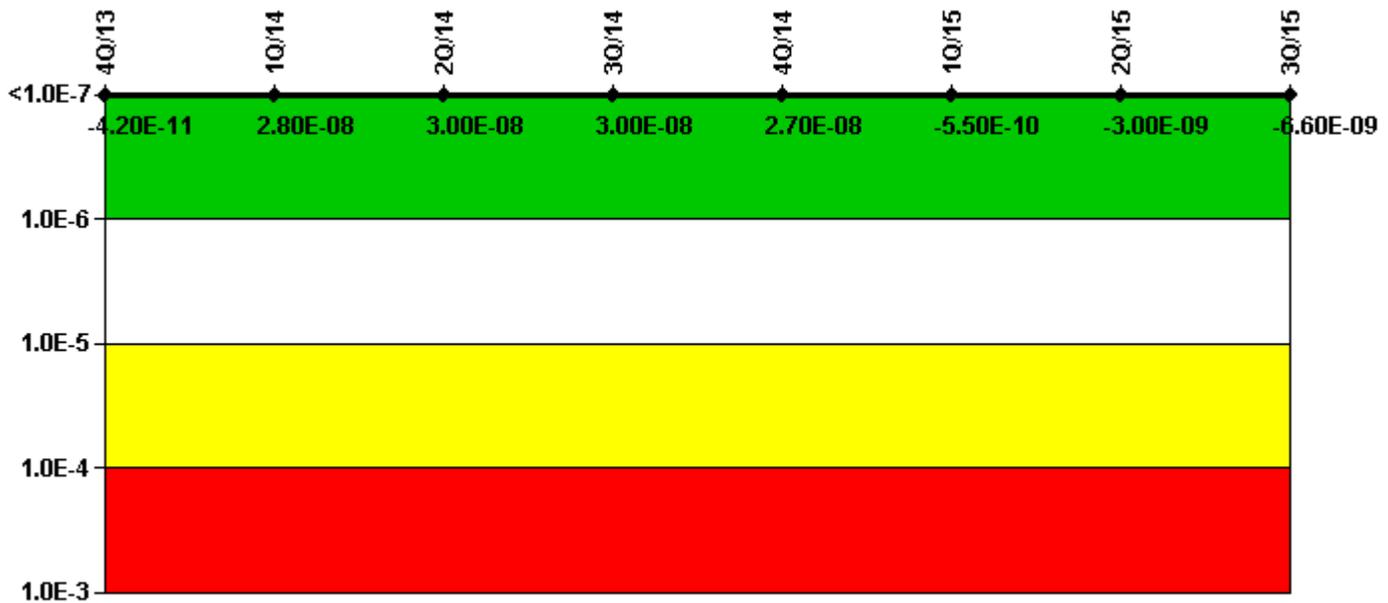
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	-1.07E-11	-1.07E-11	-1.07E-11	-1.07E-11	-1.07E-11	-1.06E-11	-1.07E-11	-1.07E-11
URI (Δ CDF)	-1.22E-11	-1.23E-11	-1.25E-11	-1.23E-11	-1.24E-11	-1.25E-11	-1.25E-11	-1.22E-11
PLE	NO							
Indicator value	-2.30E-11							

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



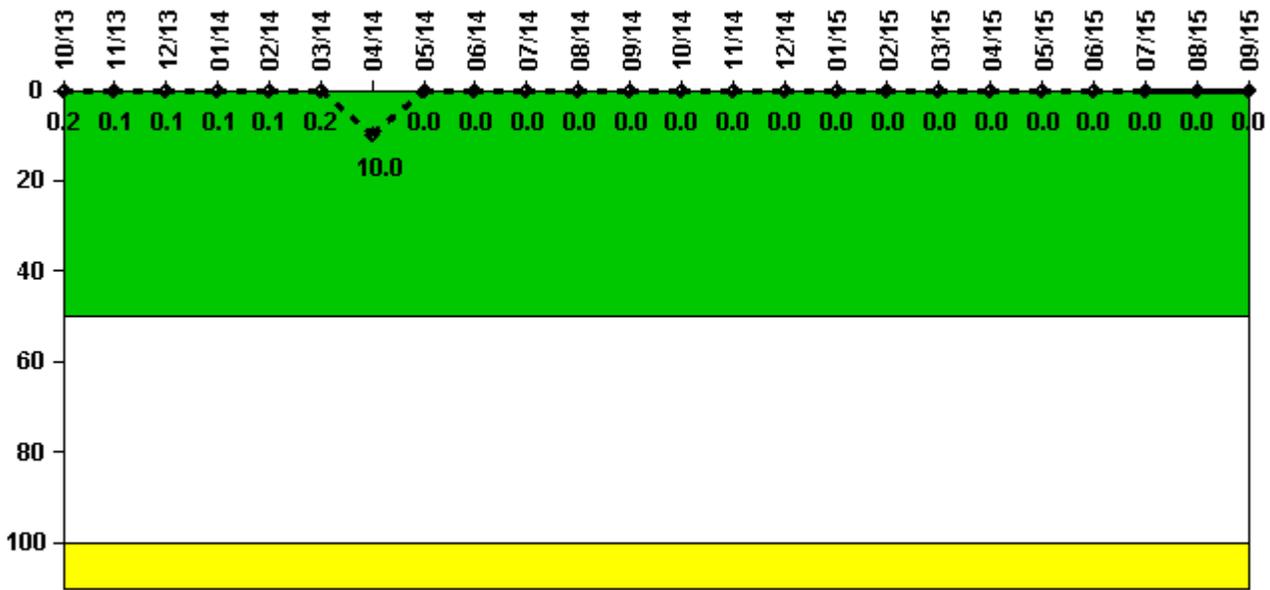
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	4.03E-08	7.05E-08	7.28E-08	7.34E-08	7.05E-08	4.28E-08	3.98E-08	3.61E-08
URI (Δ CDF)	-4.03E-08	-4.26E-08	-4.32E-08	-4.30E-08	-4.31E-08	-4.34E-08	-4.28E-08	-4.27E-08
PLE	NO							
Indicator value	-4.20E-11	2.80E-08	3.00E-08	3.00E-08	2.70E-08	-5.50E-10	-3.00E-09	-6.60E-09

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

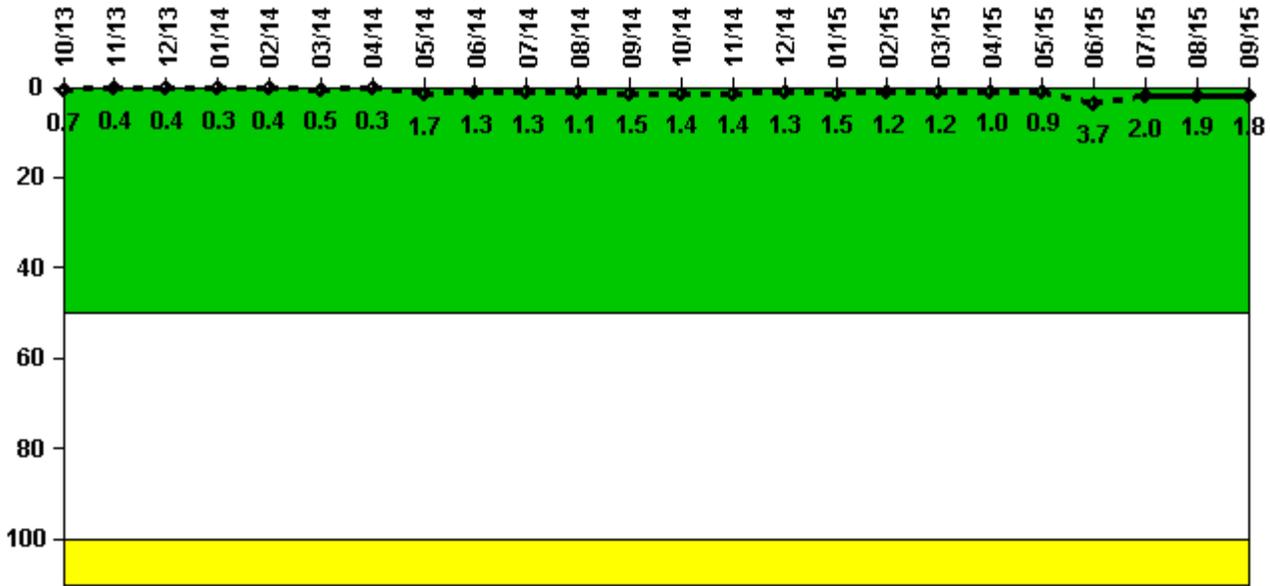
Notes

Reactor Coolant System Activity	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum activity	0.002010	0.001480	0.000664	0.000656	0.000954	0.002210	0.100000	0.000160	0.000133	0.000195	0.000185	0.000195
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	0.2	0.1	0.1	0.1	0.1	0.2	10.0	0	0	0	0	0

Reactor Coolant System Activity	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum activity	0.000136	0.000208	0.000207	0.000151	0.000150	0.000162	0.000164	0.000151	0.000165	0.000178	0.000183	0.000178
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	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



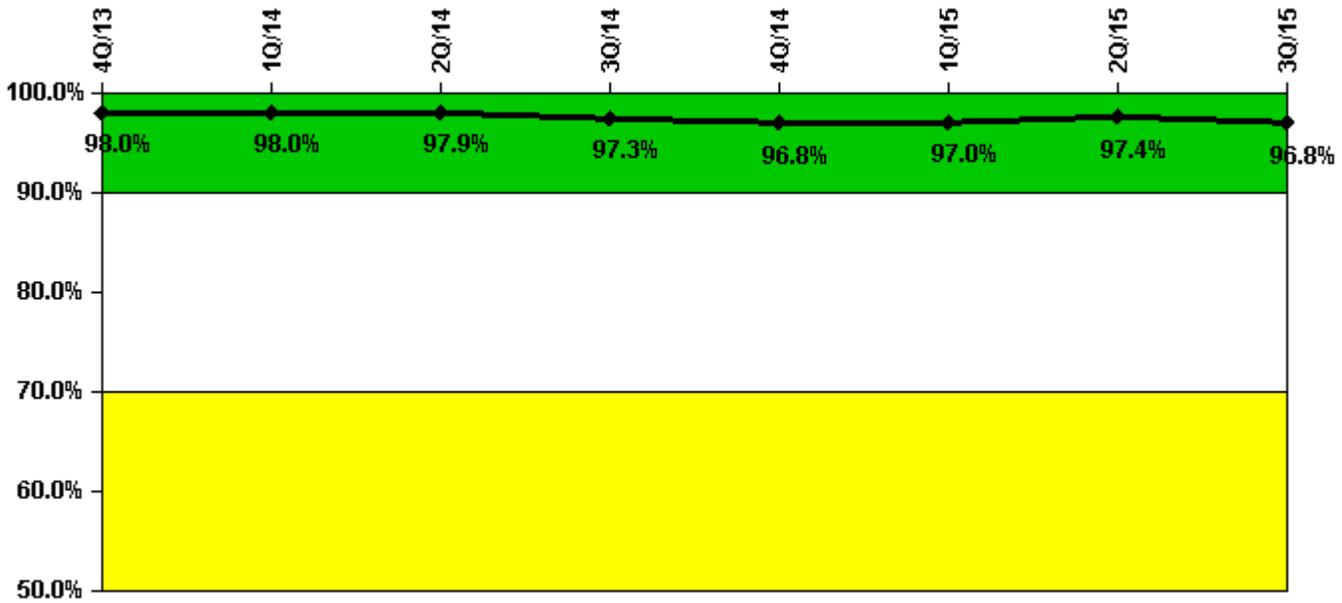
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum leakage	0.070	0.040	0.040	0.030	0.040	0.050	0.030	0.170	0.130	0.130	0.110	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	0.7	0.4	0.4	0.3	0.4	0.5	0.3	1.7	1.3	1.3	1.1	1.5
Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	0.140	0.140	0.130	0.150	0.120	0.120	0.100	0.090	0.370	0.200	0.190	0.180
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	1.4	1.4	1.3	1.5	1.2	1.2	1.0	0.9	3.7	2.0	1.9	1.8

Licensee Comments: none

Drill/Exercise Performance



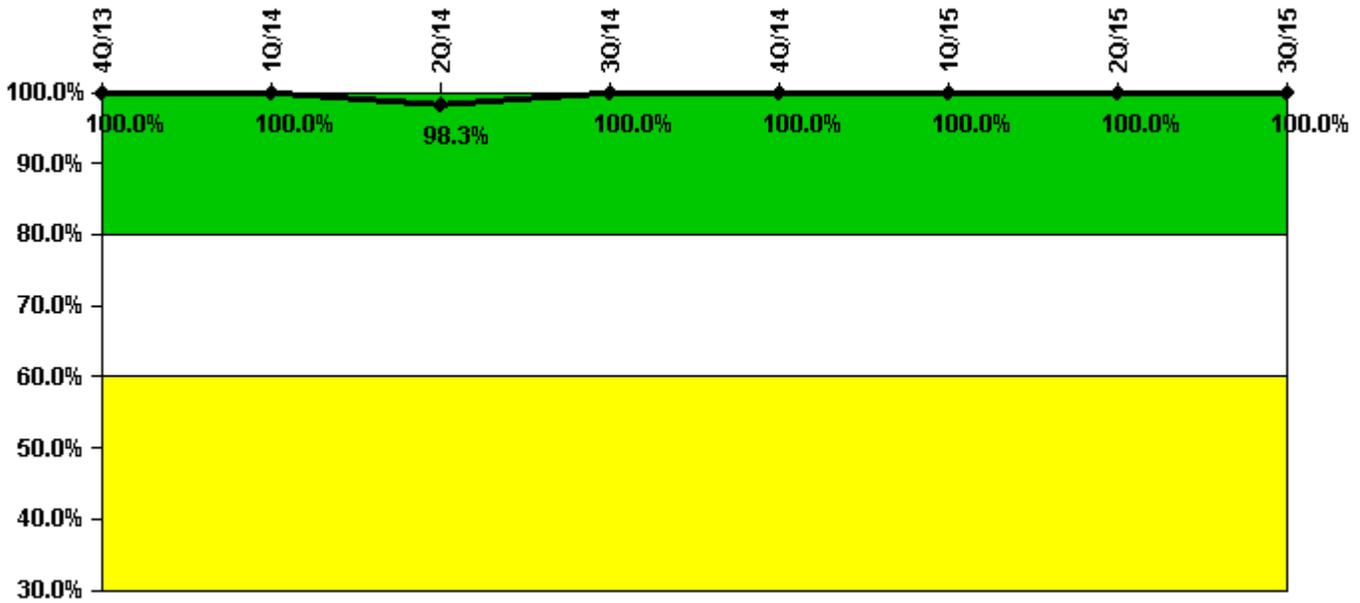
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	46.0	36.0	46.0	25.0	68.0	22.0	36.0	49.0
Total opportunities	48.0	36.0	46.0	27.0	72.0	22.0	36.0	52.0
Indicator value	98.0%	98.0%	97.9%	97.3%	96.8%	97.0%	97.4%	96.8%

Licensee Comments: none

ERO Drill Participation



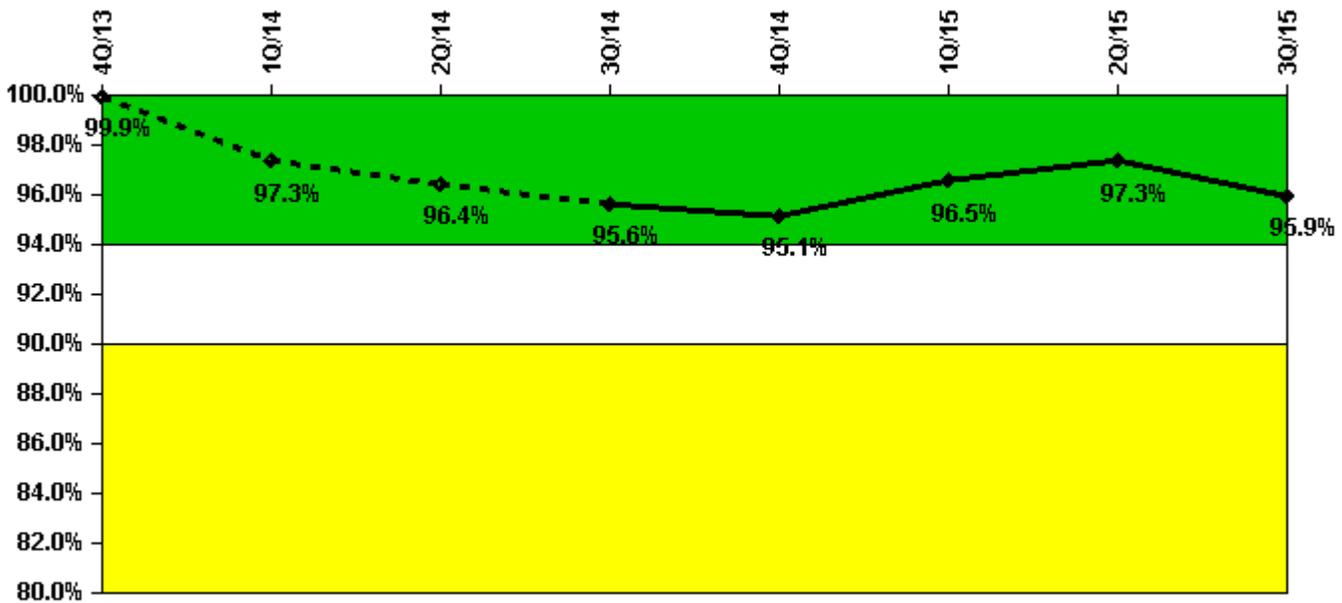
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	114.0	117.0	113.0	110.0	113.0	115.0	113.0	104.0
Total Key personnel	114.0	117.0	115.0	110.0	113.0	115.0	113.0	104.0
Indicator value	100.0%	100.0%	98.3%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



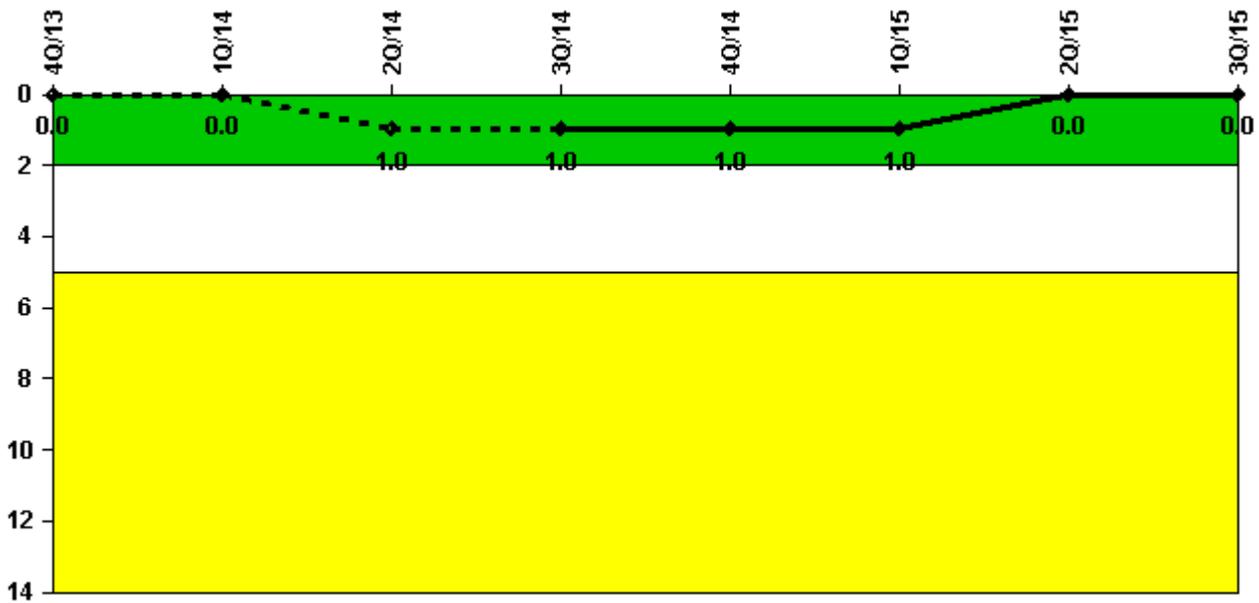
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	437	392	422	424	429	416	435	401
Total sirens-tests	438	438	438	438	438	438	438	438
Indicator value	99.9%	97.3%	96.4%	95.6%	95.1%	96.5%	97.3%	95.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



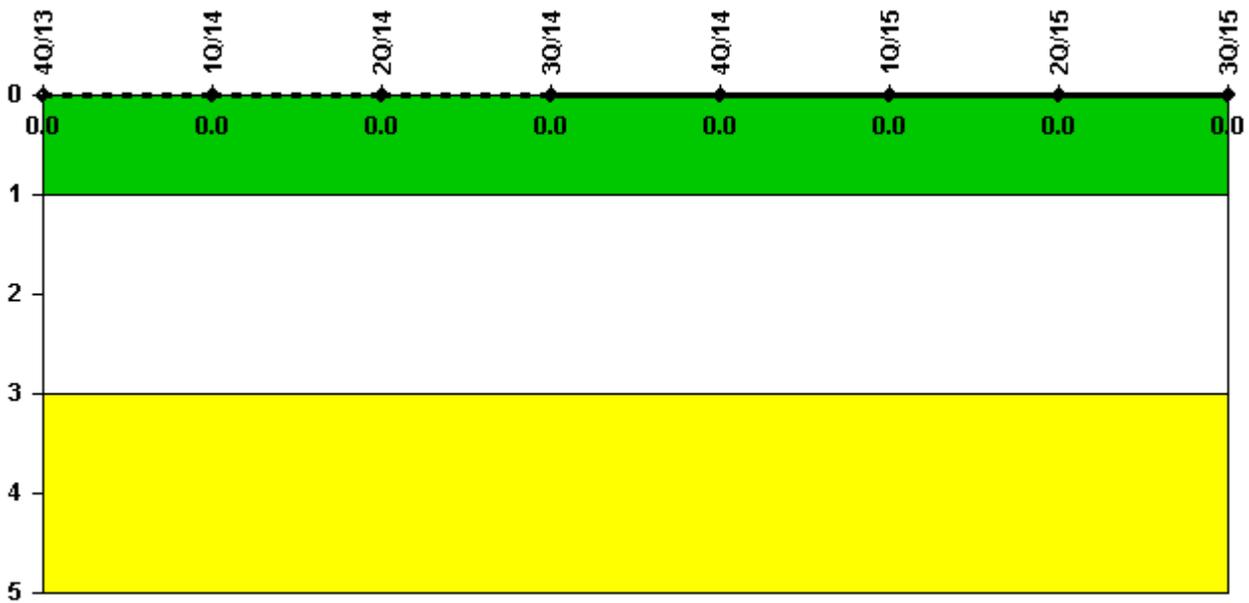
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
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: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
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: December 15, 2015