

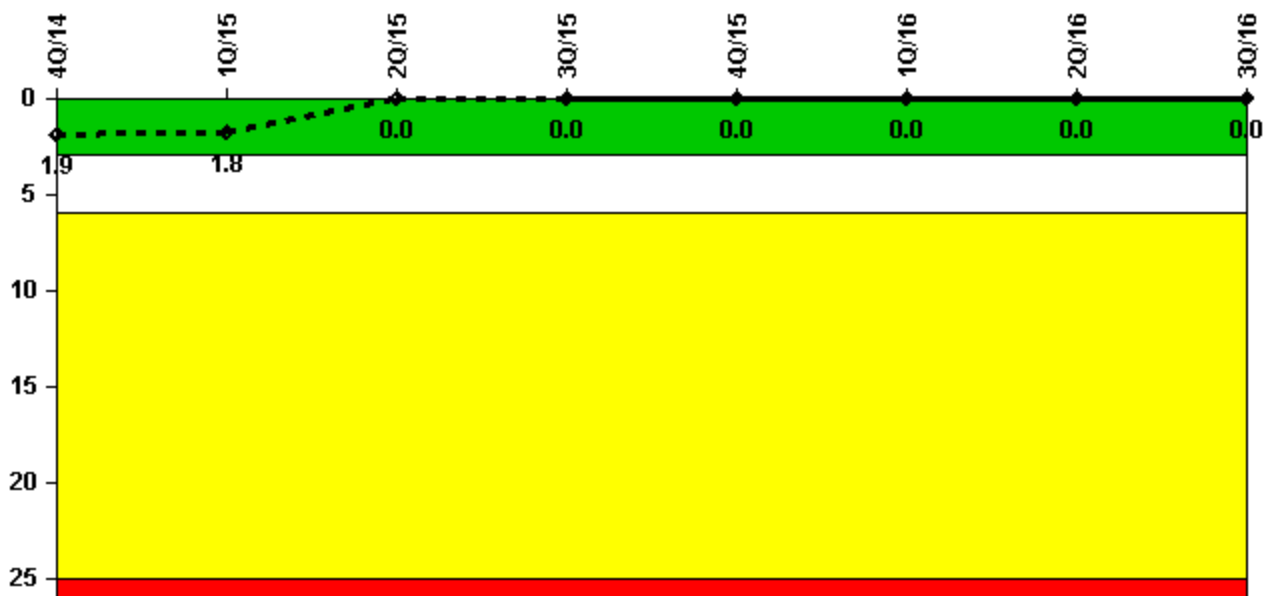
Arkansas Nuclear 2

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



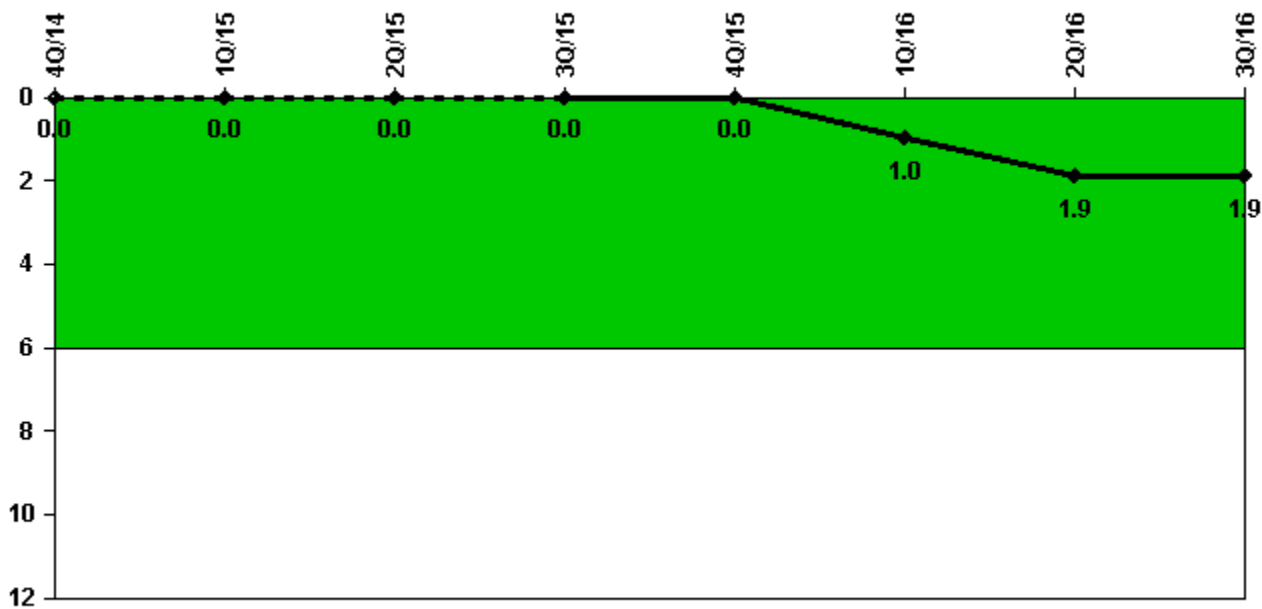
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	1952.9	1154.1	1982.6	2184.0	2145.5
Indicator value	1.9	1.8	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

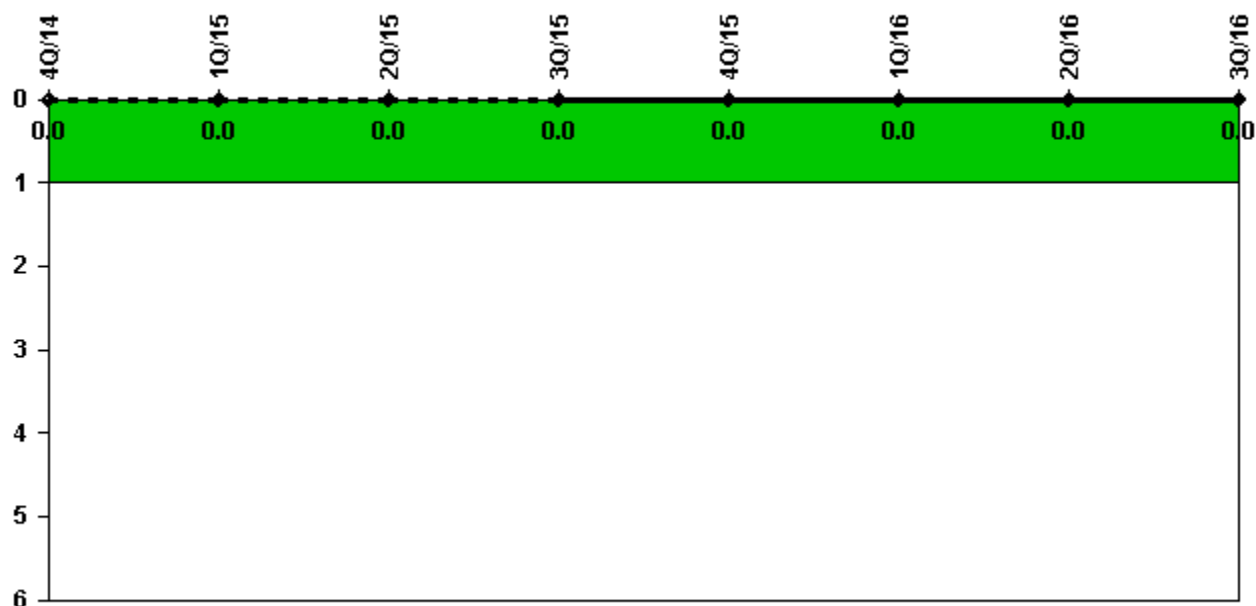
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned power changes	0	0	0	0	0	1.0	1.0	0
Critical hours	2209.0	2159.0	2184.0	1952.9	1154.1	1982.6	2184.0	2145.5
Indicator value	0	0	0	0	0	1.0	1.9	1.9

Licensee Comments:

4Q/14: FAQ 14-09 has been submitted and could impact previously submitted data.

Unplanned Scrams with Complications



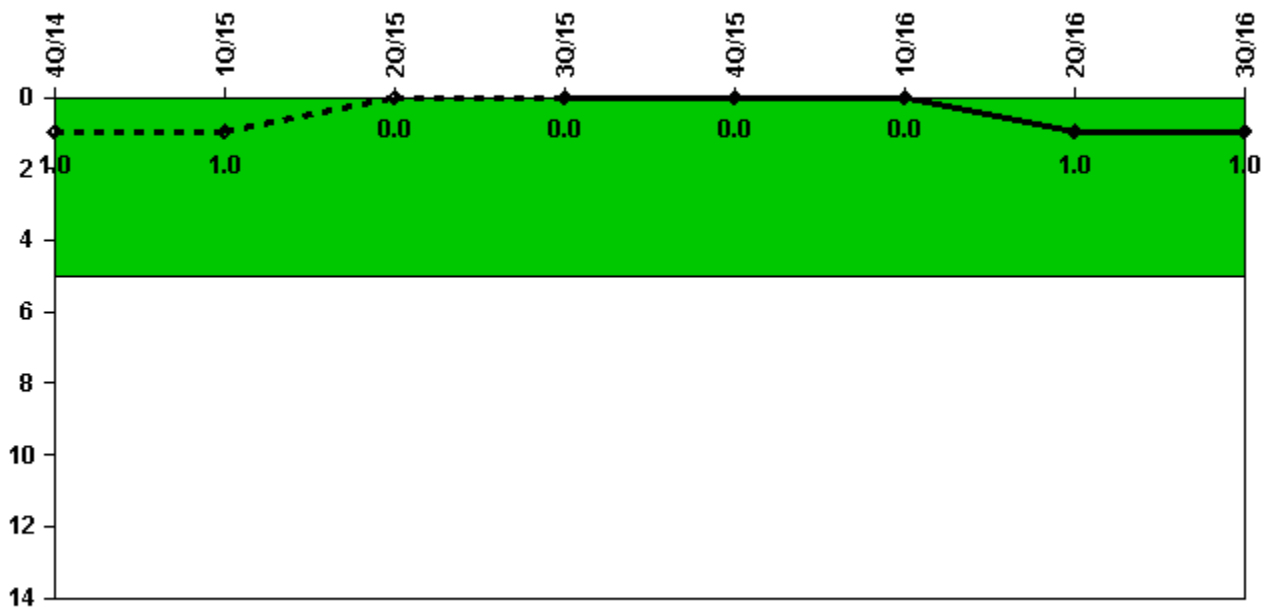
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

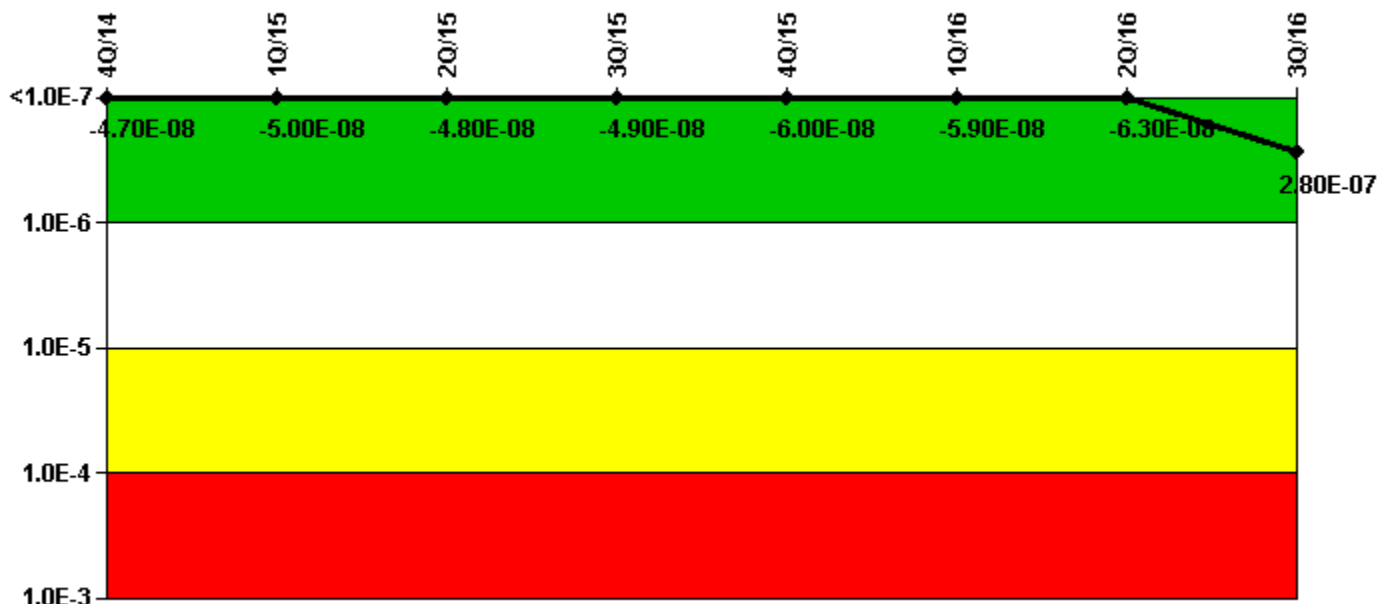
Notes

Safety System Functional Failures (PWR)	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	1	1	0	0	0	0	1	1

Licensee Comments:

2Q/16: LER 50-313/2016-001-00

Mitigating Systems Performance Index, Emergency AC Power System



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

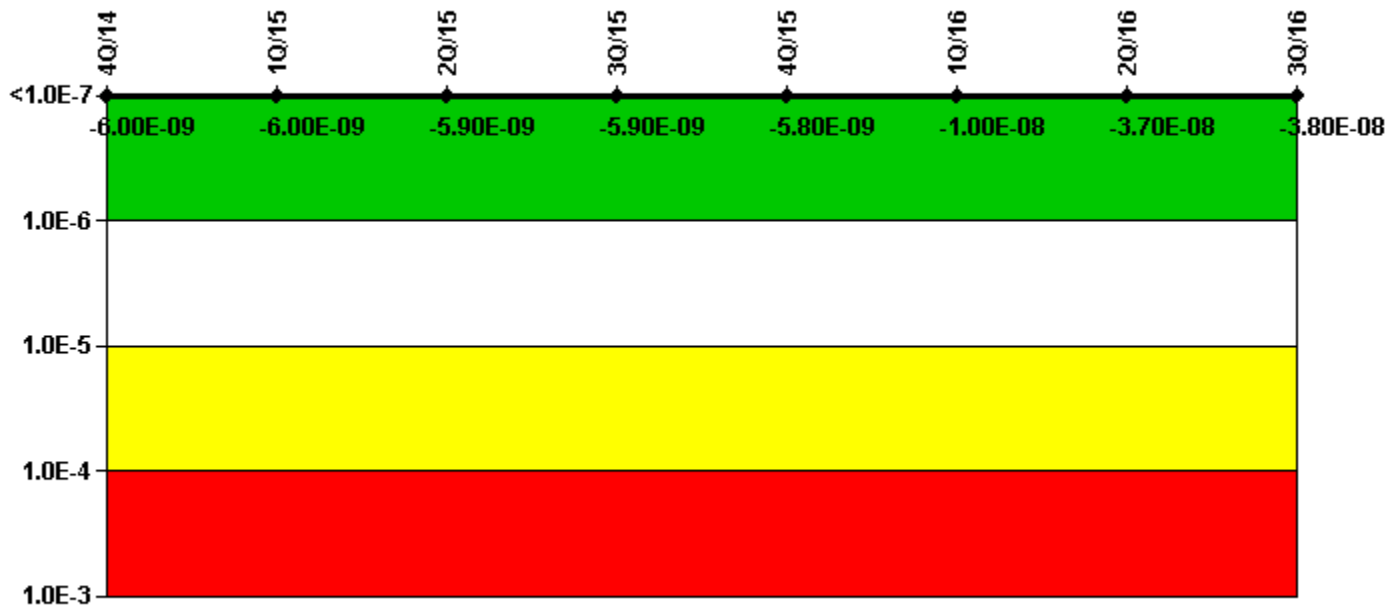
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	7.48E-09	6.28E-09	6.28E-09	5.04E-09	-5.77E-09	-5.77E-09	8.38E-09	1.28E-07
URI (Δ CDF)	-5.46E-08	-5.67E-08	-5.47E-08	-5.41E-08	-5.45E-08	-5.27E-08	-7.13E-08	1.55E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.70E-08	-5.00E-08	-4.80E-08	-4.90E-08	-6.00E-08	-5.90E-08	-6.30E-08	2.80E-07

Licensee Comments:

2Q/16: The 2nd Quarter 2016 Emergency AC Power MSPI is being revised to include June Unplanned Unavailable Hours for the "A" Emergency Diesel Generator. This change does not affect the color of the Emergency AC Power MSPI indicator.

Mitigating Systems Performance Index, High Pressure Injection System



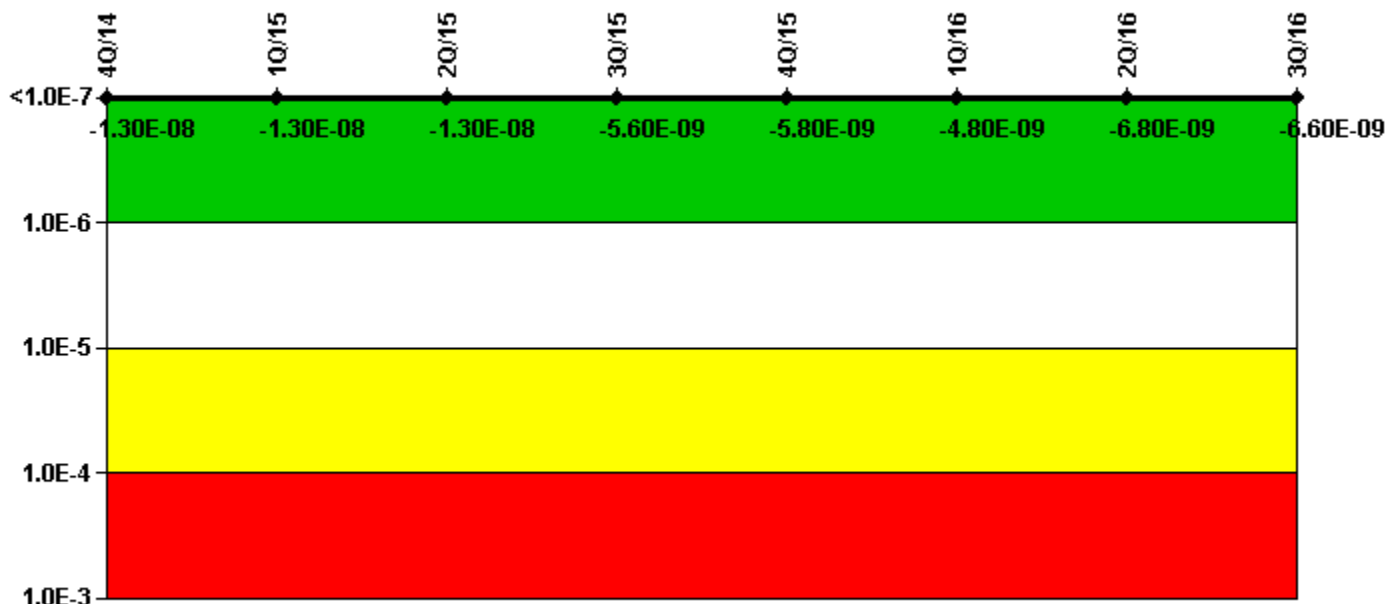
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	-6.38E-10	-6.31E-10	-6.31E-10	-6.91E-10	-4.30E-10	-4.59E-09	-3.30E-11	-3.30E-11
URI (Δ CDF)	-5.32E-09	-5.32E-09	-5.31E-09	-5.22E-09	-5.41E-09	-5.46E-09	-3.73E-08	-3.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.00E-09	-6.00E-09	-5.90E-09	-5.90E-09	-5.80E-09	-1.00E-08	-3.70E-08	-3.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



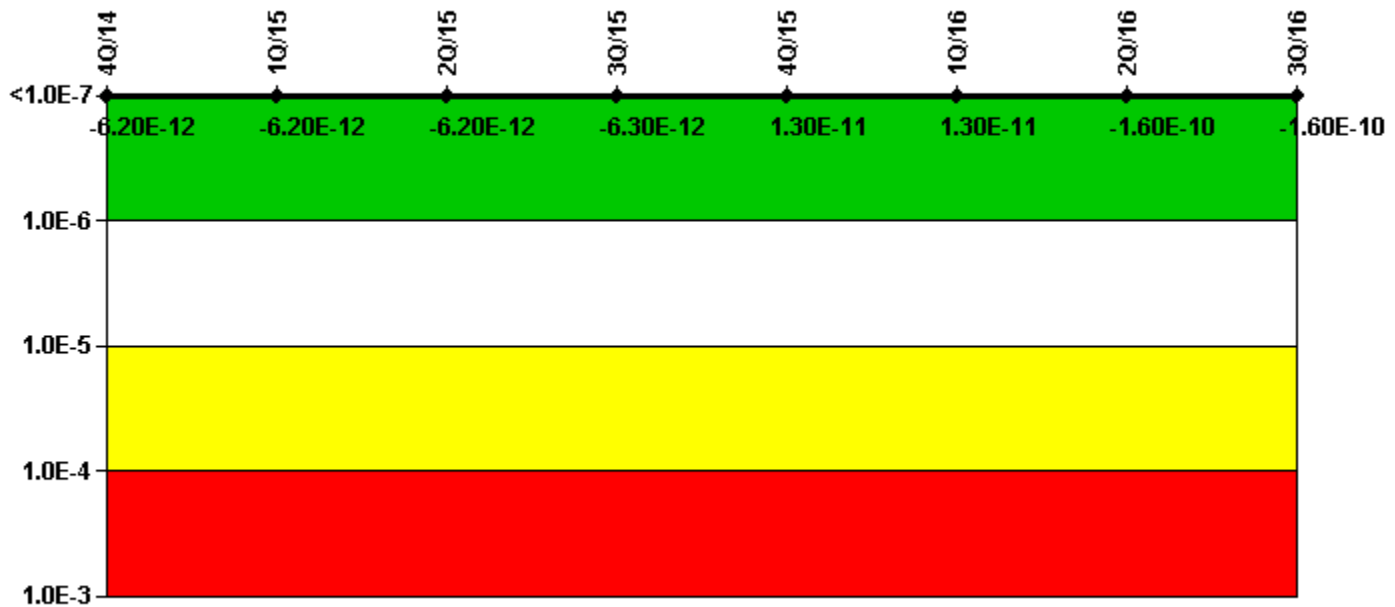
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	-3.17E-11	-1.65E-11	-4.14E-10	-3.69E-10	-2.40E-10	4.10E-10	-1.93E-09	-1.92E-09
URI (Δ CDF)	-1.31E-08	-1.28E-08	-1.28E-08	-5.24E-09	-5.55E-09	-5.22E-09	-4.90E-09	-4.73E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-08	-1.30E-08	-1.30E-08	-5.60E-09	-5.80E-09	-4.80E-09	-6.80E-09	-6.60E-09

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



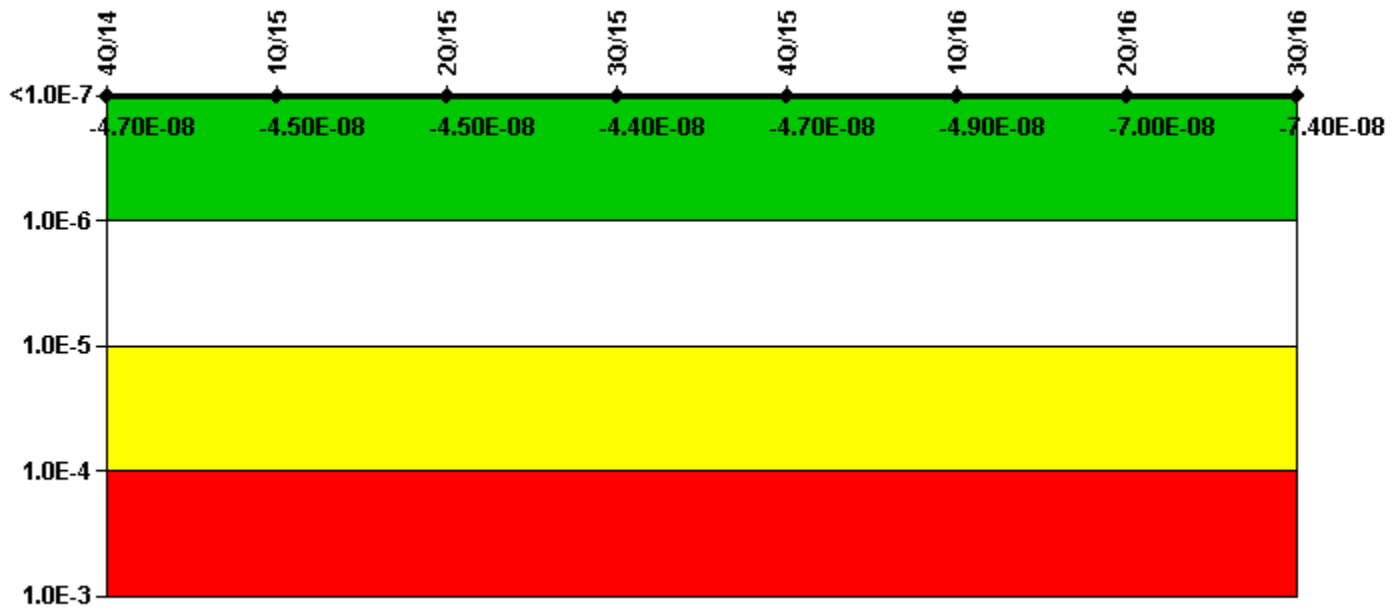
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	-4.48E-12	-4.48E-12	-4.48E-12	-4.48E-12	-4.41E-12	-4.34E-12	-1.94E-10	-1.94E-10
URI (Δ CDF)	-1.76E-12	-1.76E-12	-1.73E-12	-1.86E-12	1.75E-11	1.76E-11	3.40E-11	3.40E-11
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.20E-12	-6.20E-12	-6.20E-12	-6.30E-12	1.30E-11	1.30E-11	-1.60E-10	-1.60E-10

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



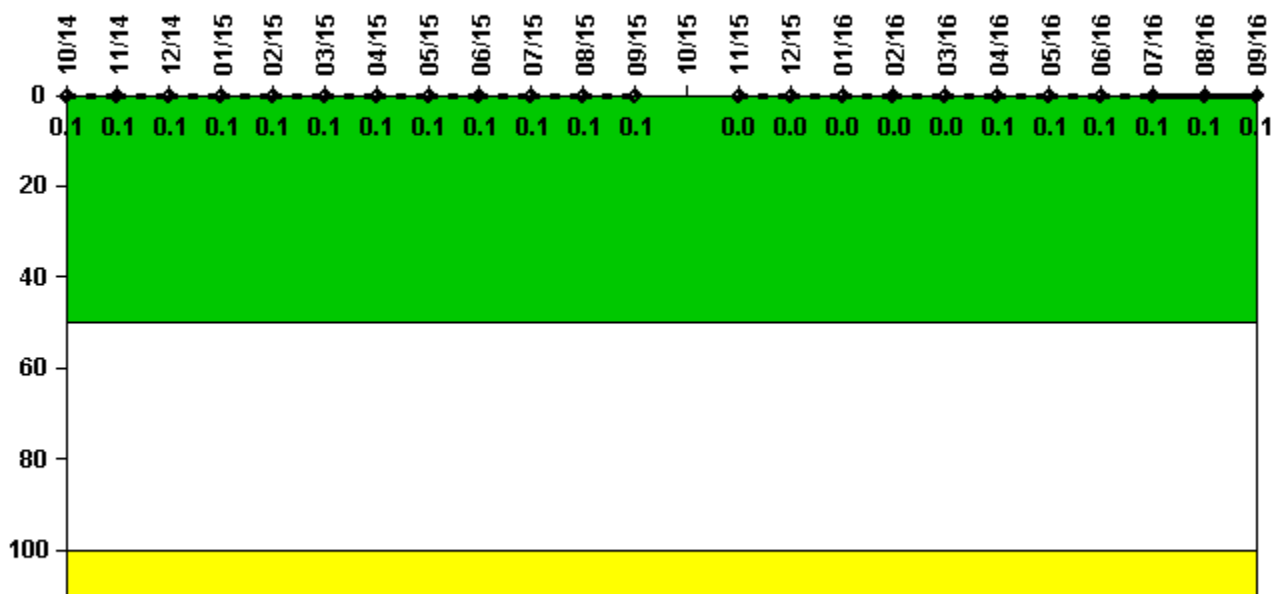
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
URI (Δ CDF)	-4.67E-08	-4.53E-08	-4.48E-08	-4.45E-08	-4.67E-08	-4.89E-08	-6.99E-08	-7.42E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.70E-08	-4.50E-08	-4.50E-08	-4.40E-08	-4.70E-08	-4.90E-08	-7.00E-08	-7.40E-08

Licensee Comments: none

Reactor Coolant System Activity



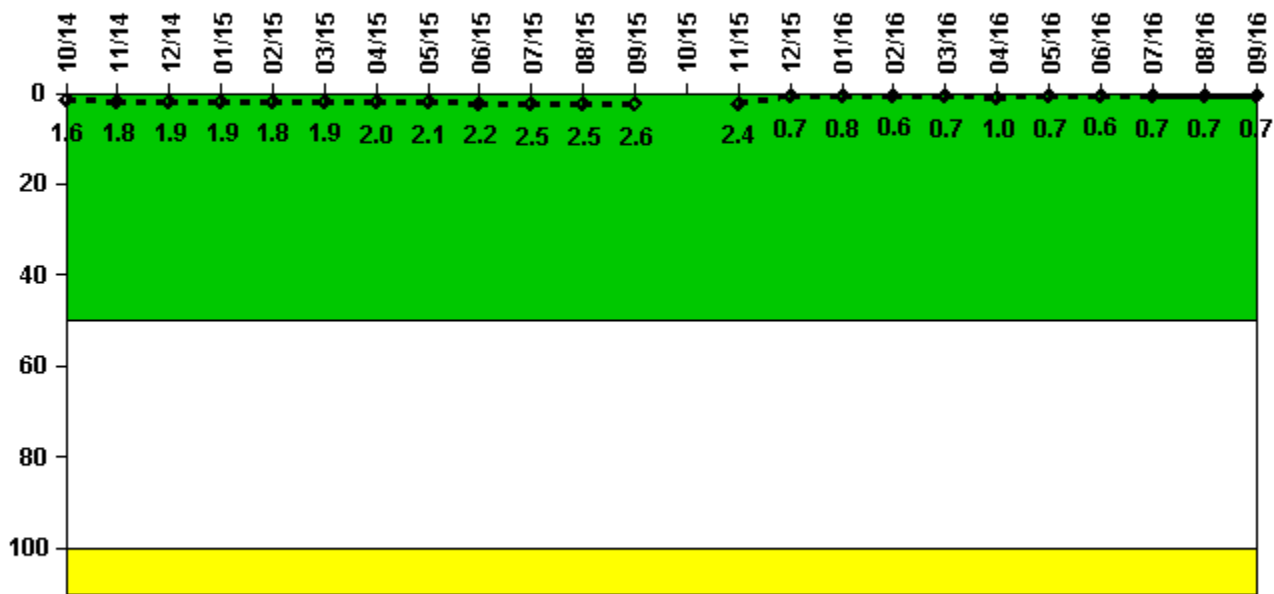
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.000609	0.000619	0.000685	0.000698	0.000645	0.000776	0.000725	0.000780	0.000844	0.000799	0.000841	0.000797
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	N/A	0.000438	0.000464	0.000476	0.000474	0.000491	0.000583	0.000567	0.000568	0.000563	0.000593	0.000616
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	N/A	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



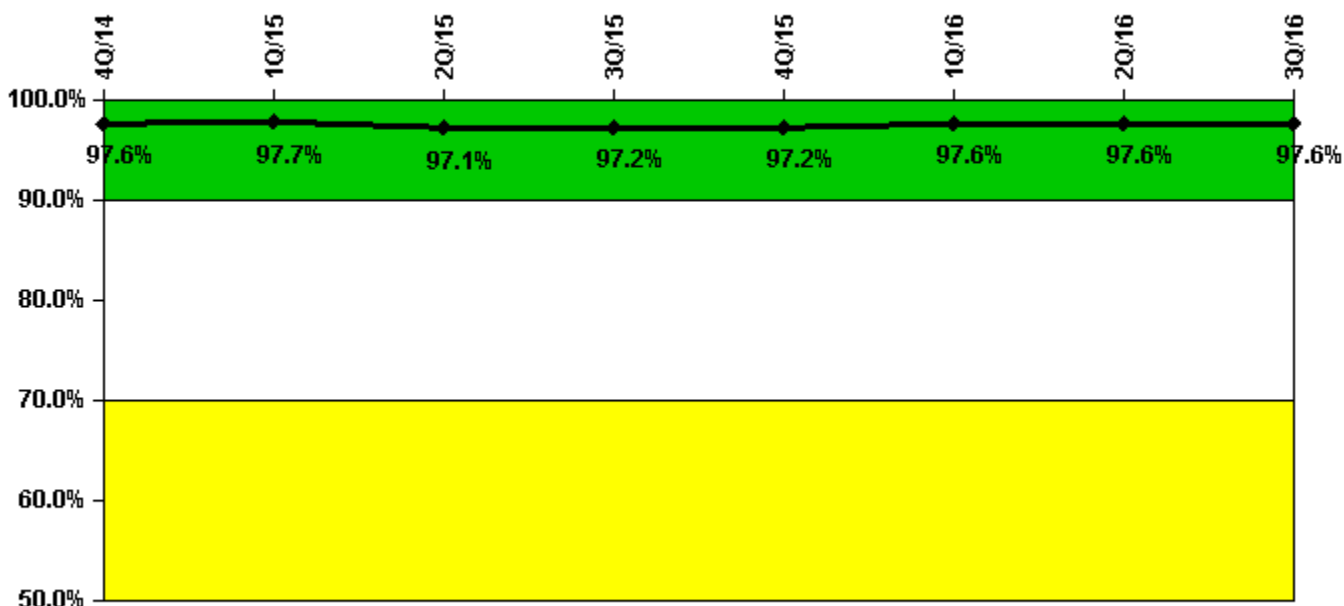
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.164	0.178	0.189	0.190	0.184	0.187	0.201	0.211	0.219	0.246	0.250	0.264
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	1.6	1.8	1.9	1.9	1.8	1.9	2.0	2.1	2.2	2.5	2.5	2.6
Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	N/A	0.243	0.066	0.080	0.060	0.070	0.095	0.065	0.061	0.071	0.071	0.065
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	N/A	2.4	0.7	0.8	0.6	0.7	1.0	0.7	0.6	0.7	0.7	0.7

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

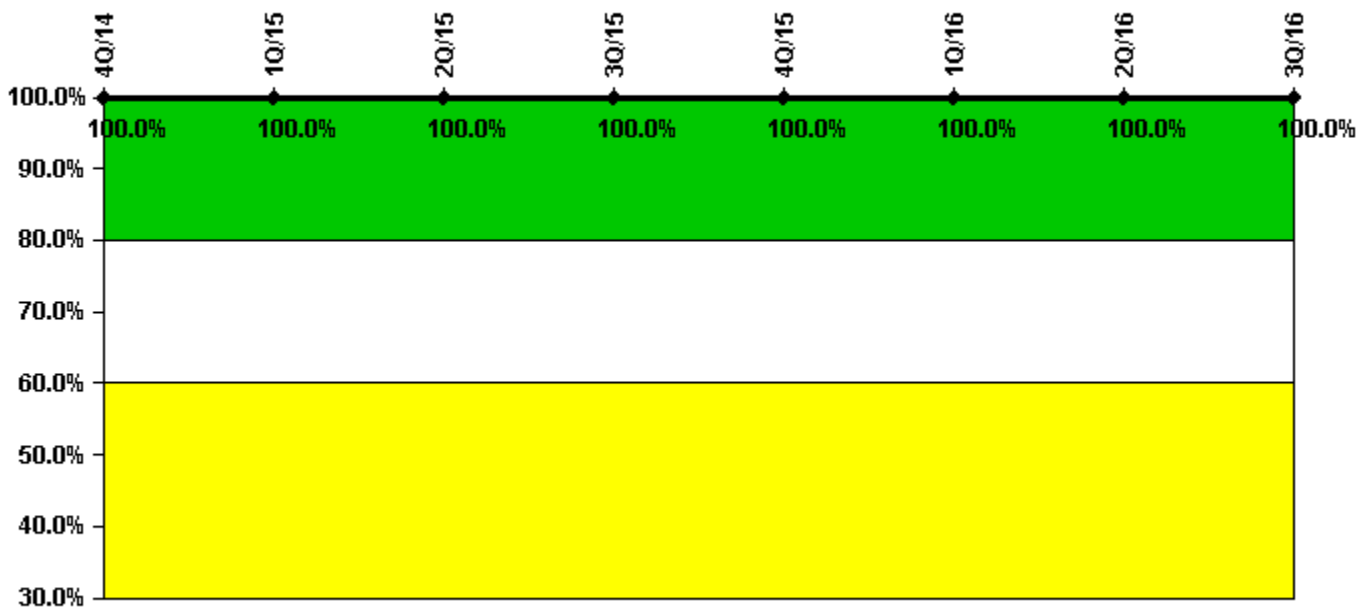
Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	61.0	16.0	93.0	65.0	19.0	31.0	98.0	63.0
Total opportunities	61.0	16.0	98.0	67.0	19.0	32.0	99.0	65.0
Indicator value	97.6%	97.7%	97.1%	97.2%	97.2%	97.6%	97.6%	97.6%

Licensee Comments:

2Q/16: The 2nd Quarter 2016 June Drill/Exercise Performance is being revised to include five additional opportunities. This change does not affect the color of the Drill/Exercise Performance indicator.

2Q/15: The June Drill/Exercise Performance is being revised to include two Shift Manager requalification exams. This change does not affect the color of the Drill/Exercise Performance indicator.

ERO Drill Participation



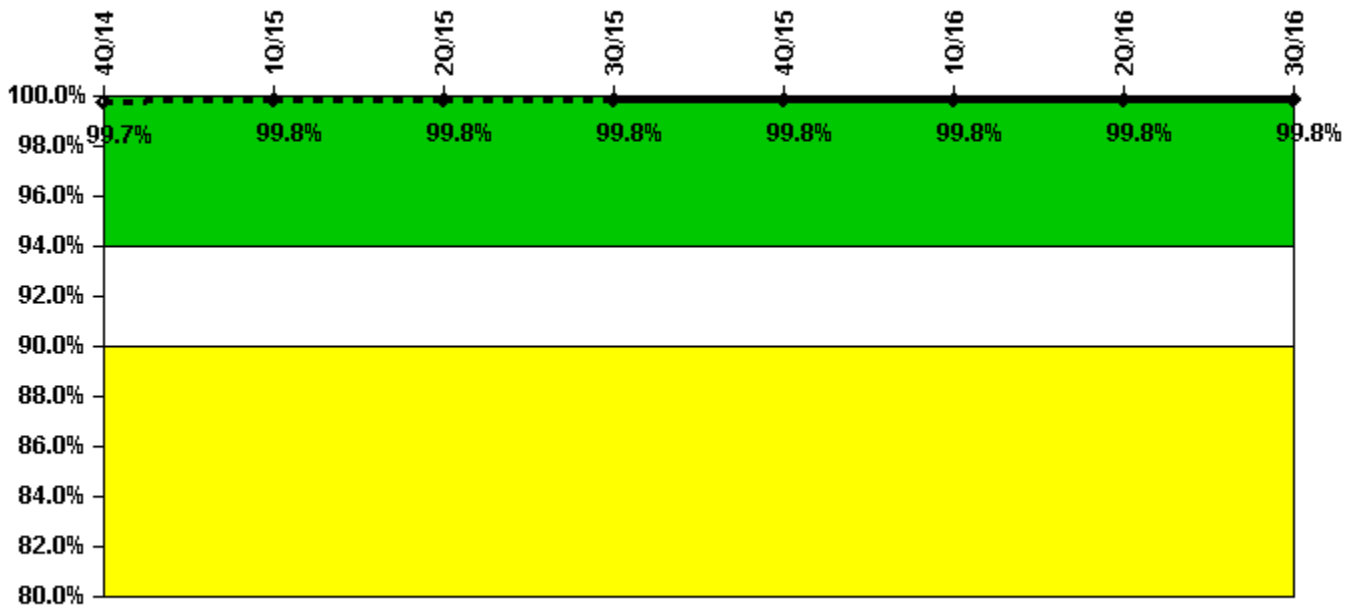
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	116.0	113.0	109.0	106.0	103.0	103.0	108.0	107.0
Total Key personnel	116.0	113.0	109.0	106.0	103.0	103.0	108.0	107.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



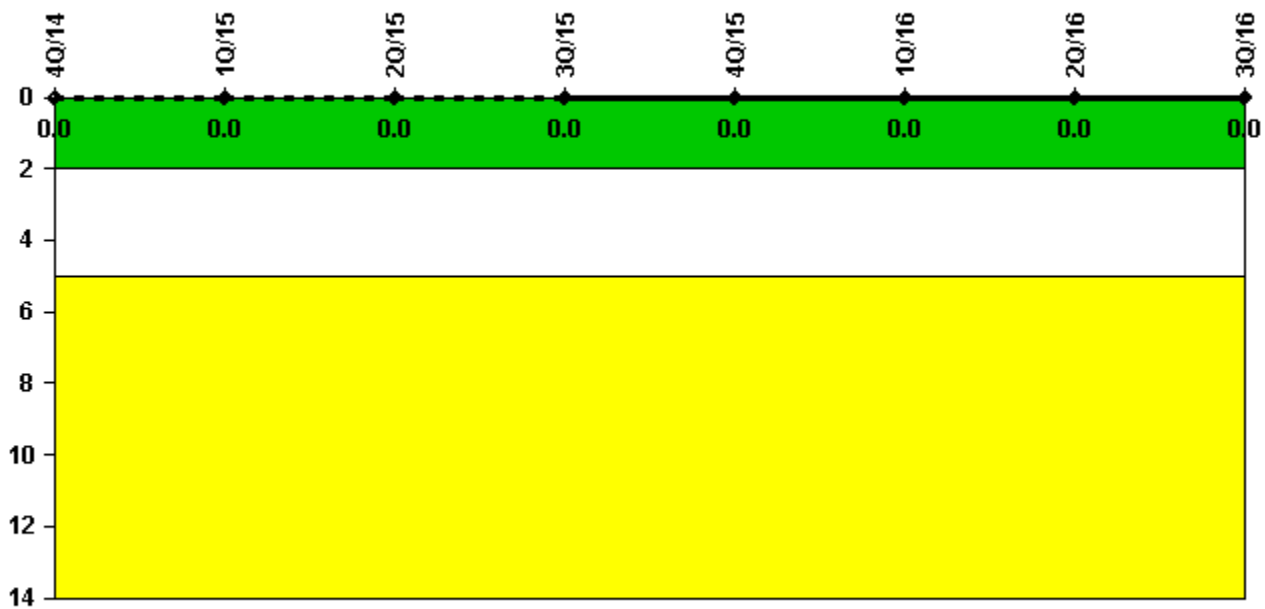
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	146	147	147	147	146	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.7%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



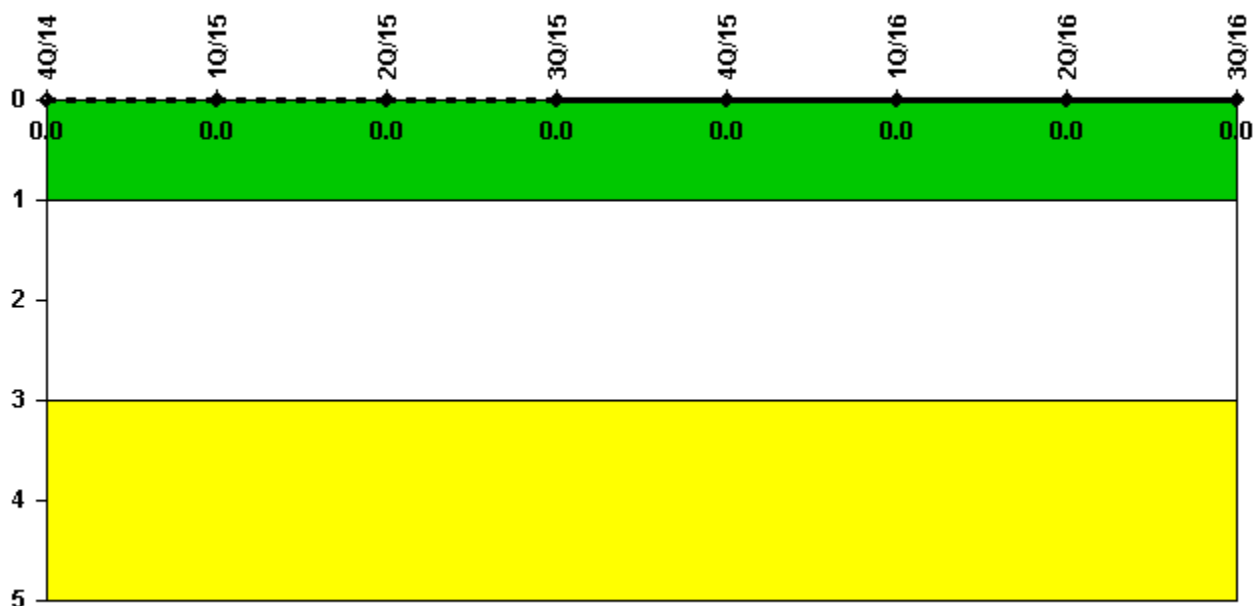
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
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

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
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: October 23, 2016