

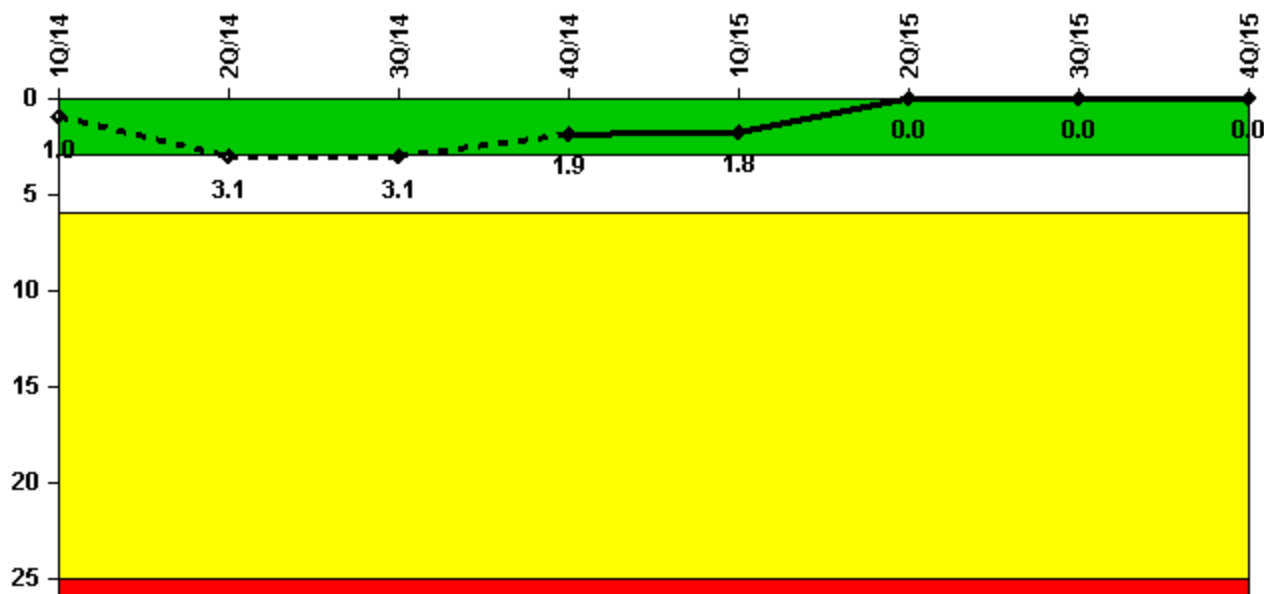
Arkansas Nuclear 2

4Q/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

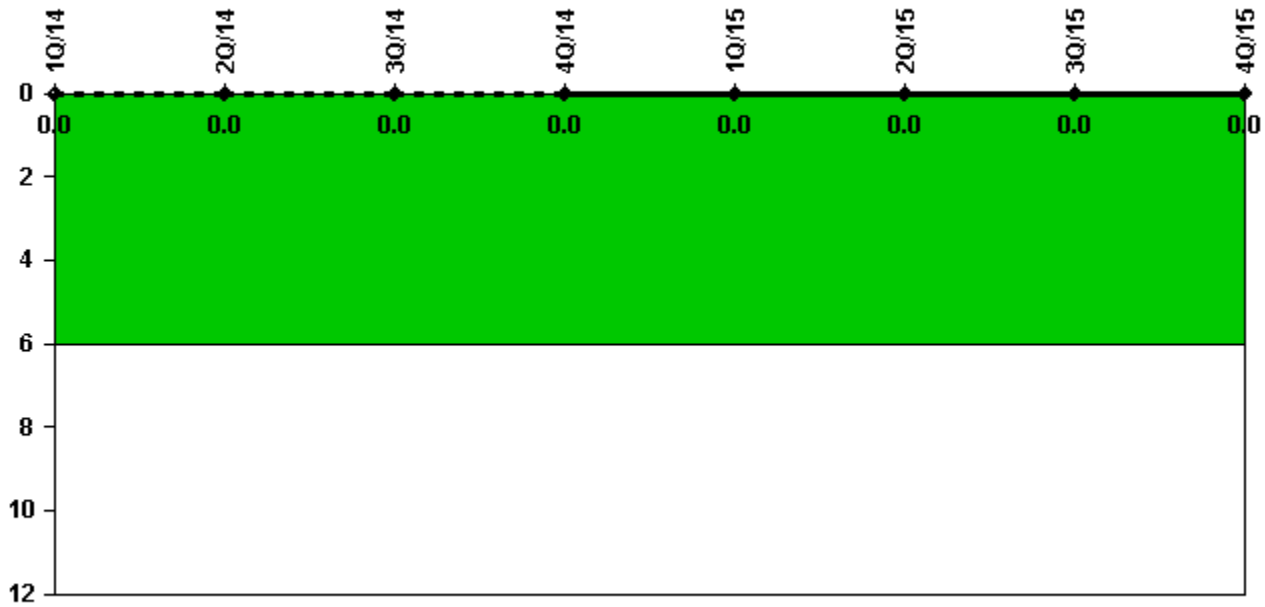
Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	2.0	0	0	0	0	0	0
Critical hours	1930.7	1068.7	2208.0	2209.0	2159.0	2184.0	1952.9	1154.1
Indicator value	1.0	3.1	3.1	1.9	1.8	0	0	0

Licensee Comments:

2Q/14: 4/27/14 Axial Shape Index trip during the shutdown due to grid damage is being added due to resolution of FAQ 14-09. This changes the indicator color from green to white for the second and third quarter of 2014.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

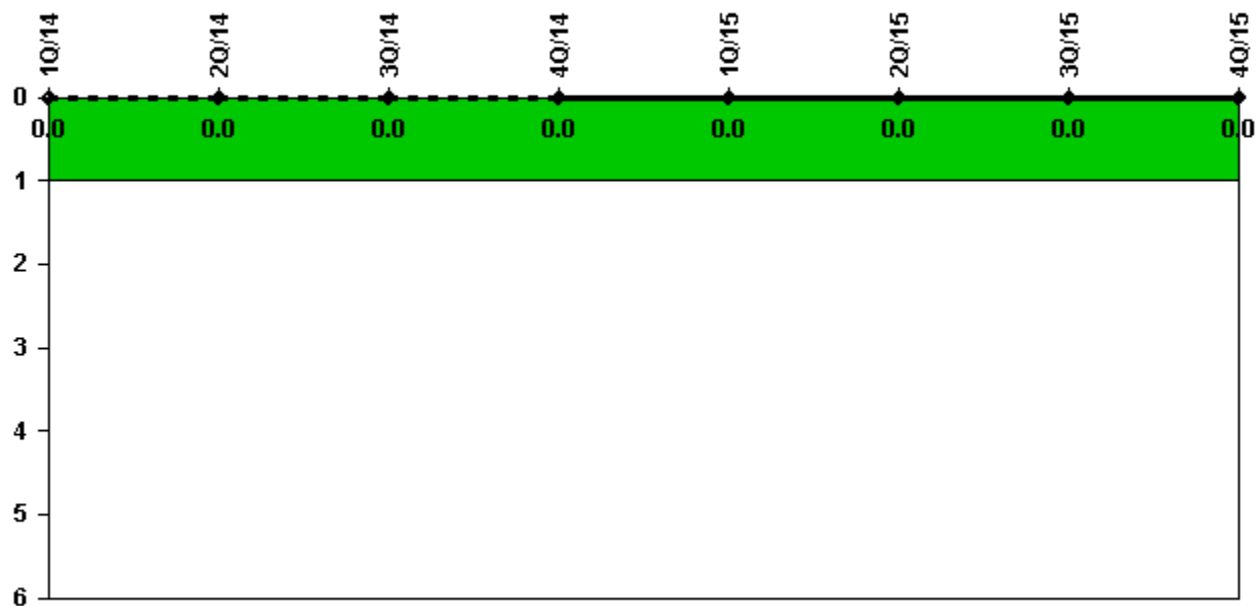
Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1930.7	1068.7	2208.0	2209.0	2159.0	2184.0	1952.9	1154.1
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

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

Unplanned Scrams with Complications



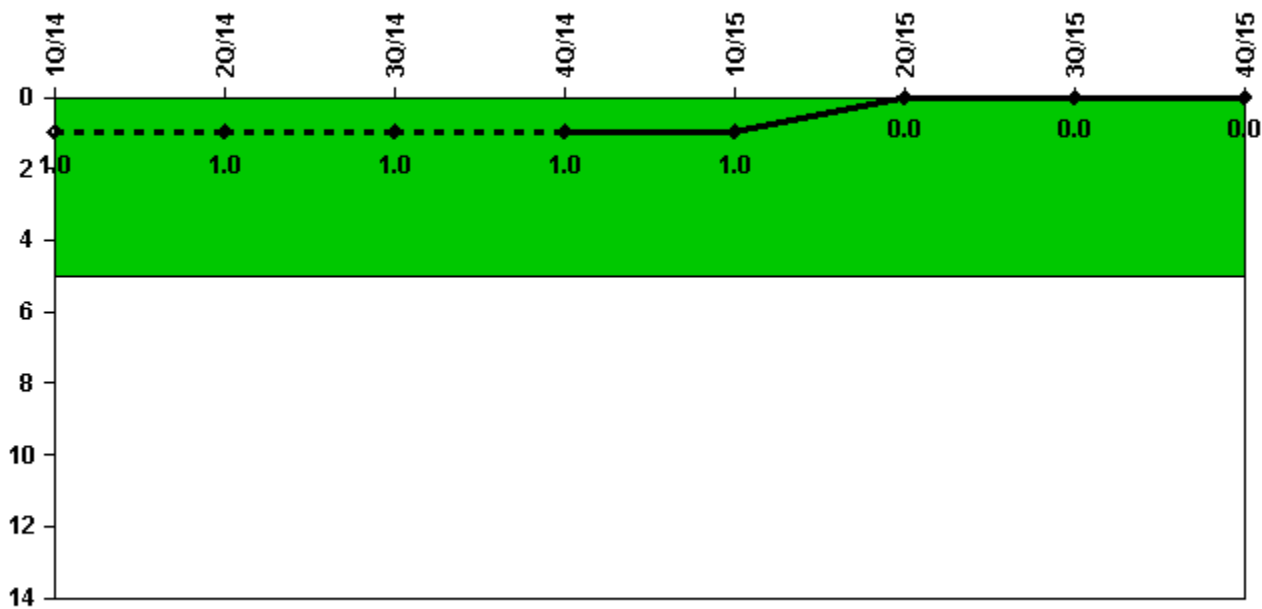
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
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)



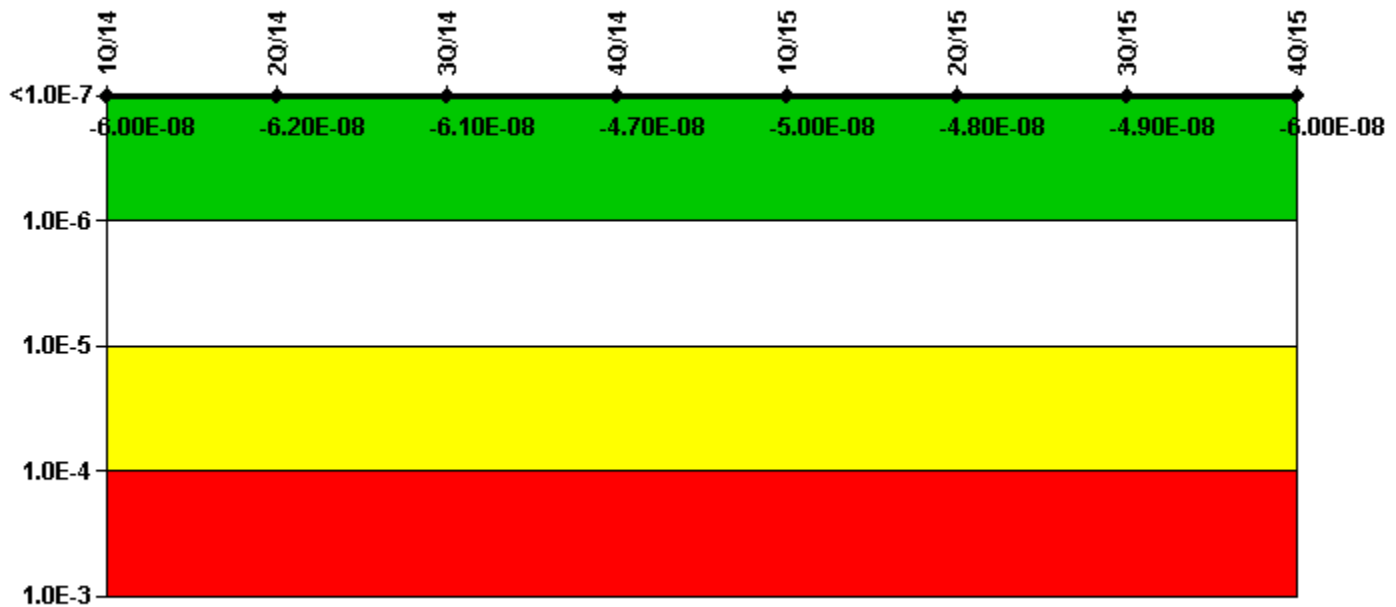
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



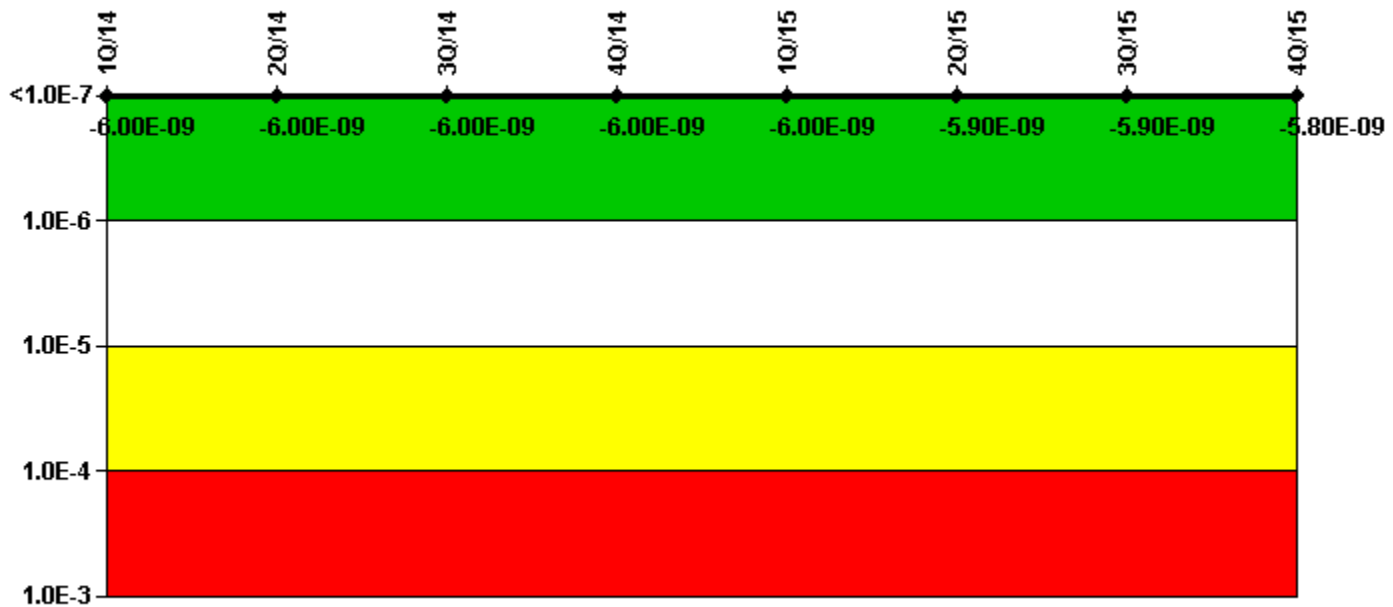
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	-5.77E-09	-5.77E-09	-5.55E-09	7.48E-09	6.28E-09	6.28E-09	5.04E-09	-5.77E-09
URI (Δ CDF)	-5.43E-08	-5.62E-08	-5.52E-08	-5.46E-08	-5.67E-08	-5.47E-08	-5.41E-08	-5.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.00E-08	-6.20E-08	-6.10E-08	-4.70E-08	-5.00E-08	-4.80E-08	-4.90E-08	-6.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



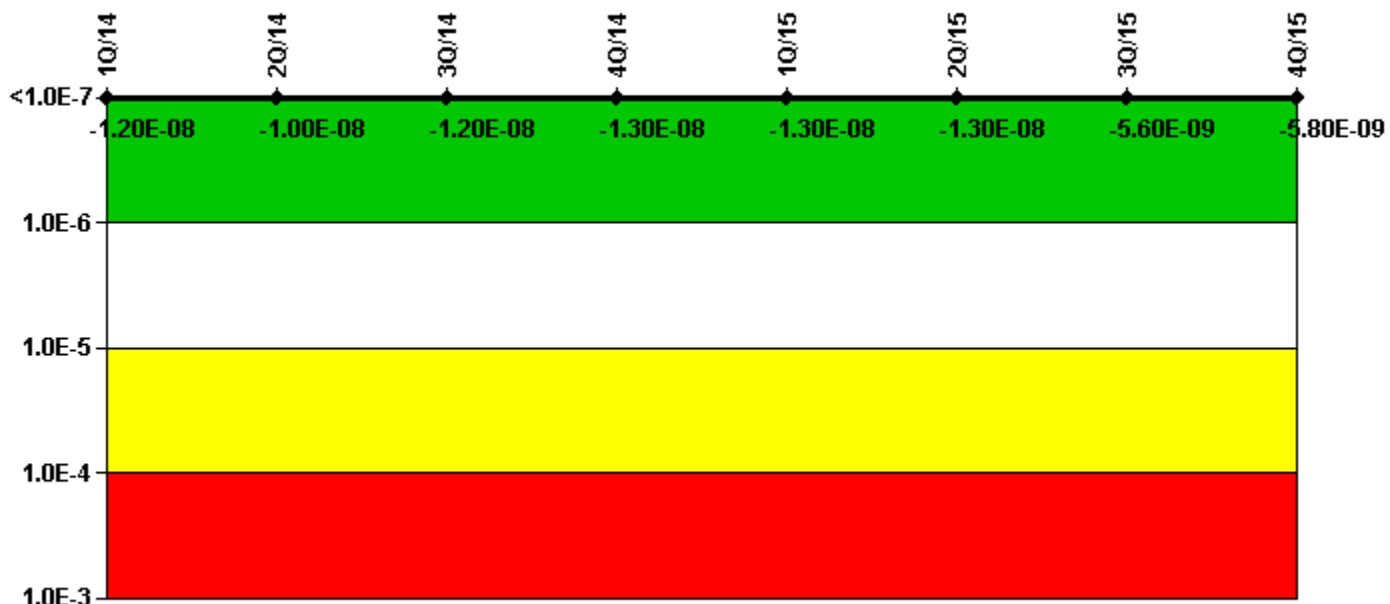
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	-9.65E-10	-6.38E-10	-6.38E-10	-6.38E-10	-6.31E-10	-6.31E-10	-6.91E-10	-4.30E-10
URI (Δ CDF)	-5.01E-09	-5.34E-09	-5.34E-09	-5.32E-09	-5.32E-09	-5.31E-09	-5.22E-09	-5.41E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.00E-09	-6.00E-09	-6.00E-09	-6.00E-09	-6.00E-09	-5.90E-09	-5.90E-09	-5.80E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

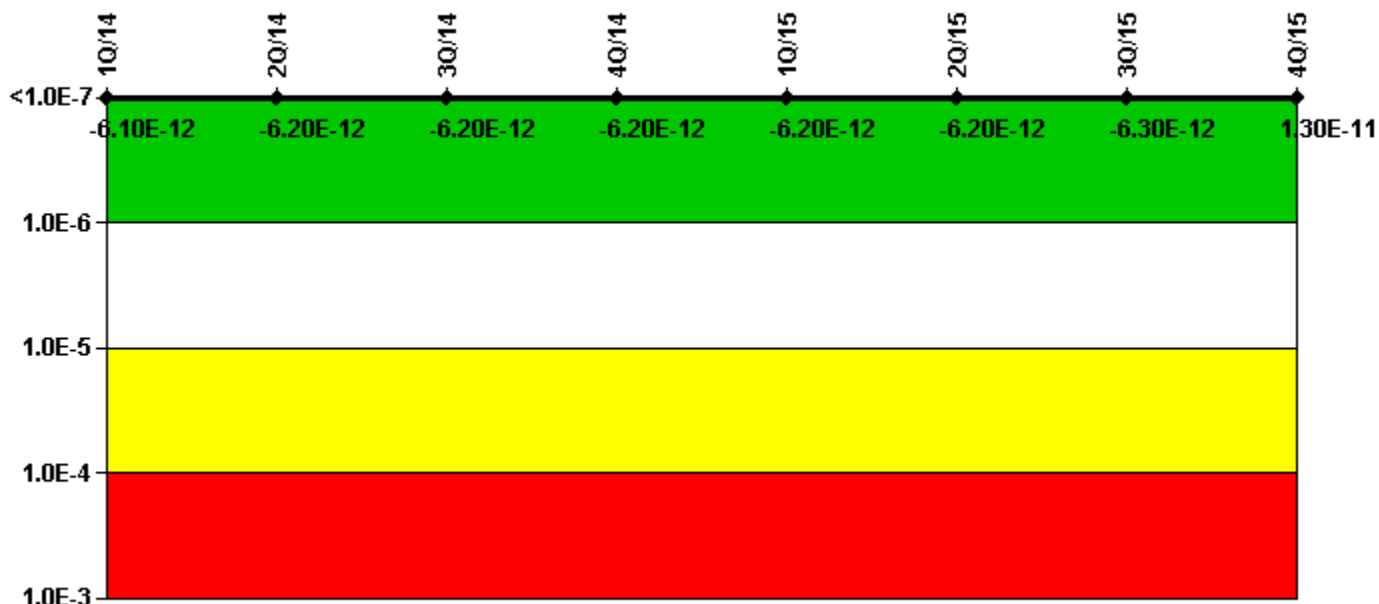
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	6.61E-10	3.40E-09	9.53E-10	-3.17E-11	-1.65E-11	-4.14E-10	-3.69E-10	-2.40E-10
URI (Δ CDF)	-1.29E-08	-1.36E-08	-1.30E-08	-1.31E-08	-1.28E-08	-1.28E-08	-5.24E-09	-5.55E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-08	-1.00E-08	-1.20E-08	-1.30E-08	-1.30E-08	-1.30E-08	-5.60E-09	-5.80E-09

Licensee Comments:

2Q/14: Correction to April reliability data. (CR-ANO-2-2014-02584) (Changed October 2014 does not affect the color of this Indicator)

Mitigating Systems Performance Index, Residual Heat Removal System



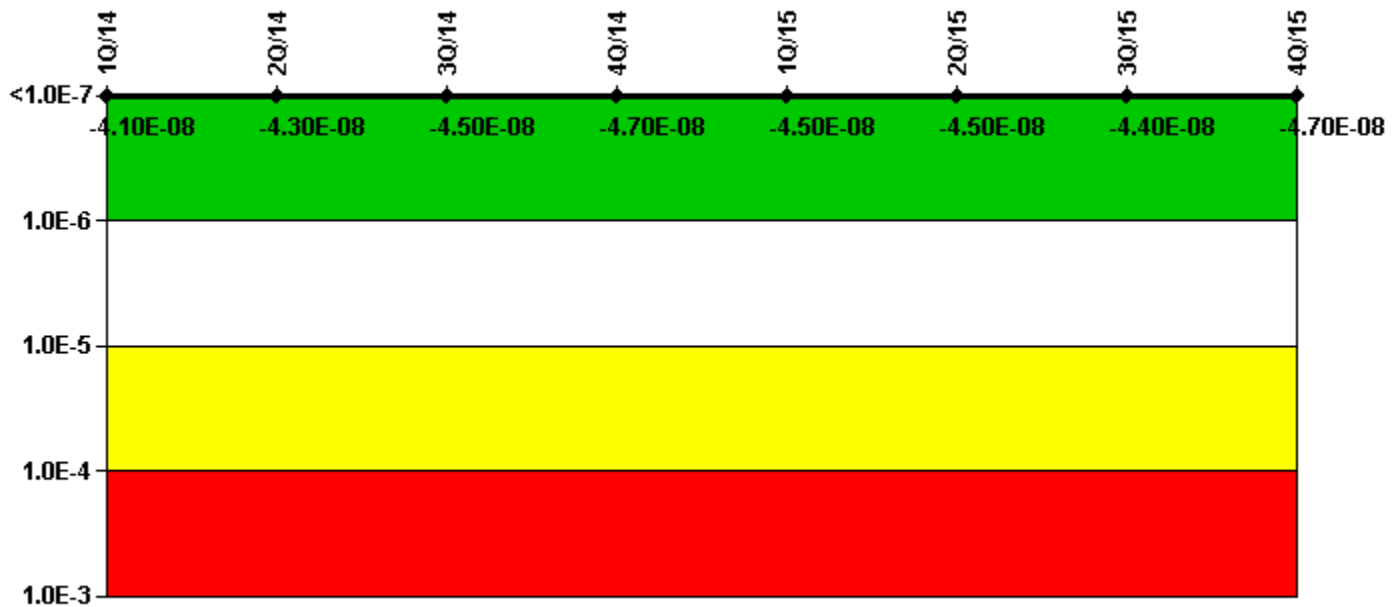
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	-4.49E-12	-4.49E-12	-4.48E-12	-4.48E-12	-4.48E-12	-4.48E-12	-4.48E-12	-4.41E-12
URI (Δ CDF)	-1.63E-12	-1.76E-12	-1.76E-12	-1.76E-12	-1.76E-12	-1.73E-12	-1.86E-12	1.75E-11
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.10E-12	-6.20E-12	-6.20E-12	-6.20E-12	-6.20E-12	-6.20E-12	-6.30E-12	1.30E-11

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



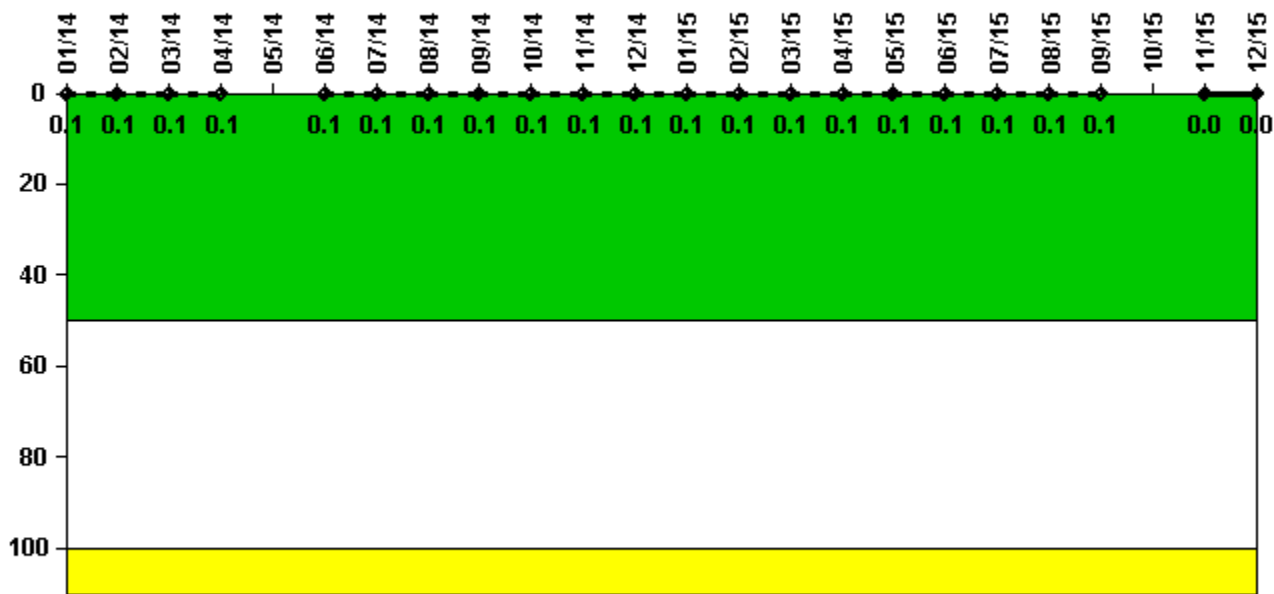
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
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)	-4.07E-08	-4.35E-08	-4.49E-08	-4.67E-08	-4.53E-08	-4.48E-08	-4.45E-08	-4.67E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.10E-08	-4.30E-08	-4.50E-08	-4.70E-08	-4.50E-08	-4.50E-08	-4.40E-08	-4.70E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

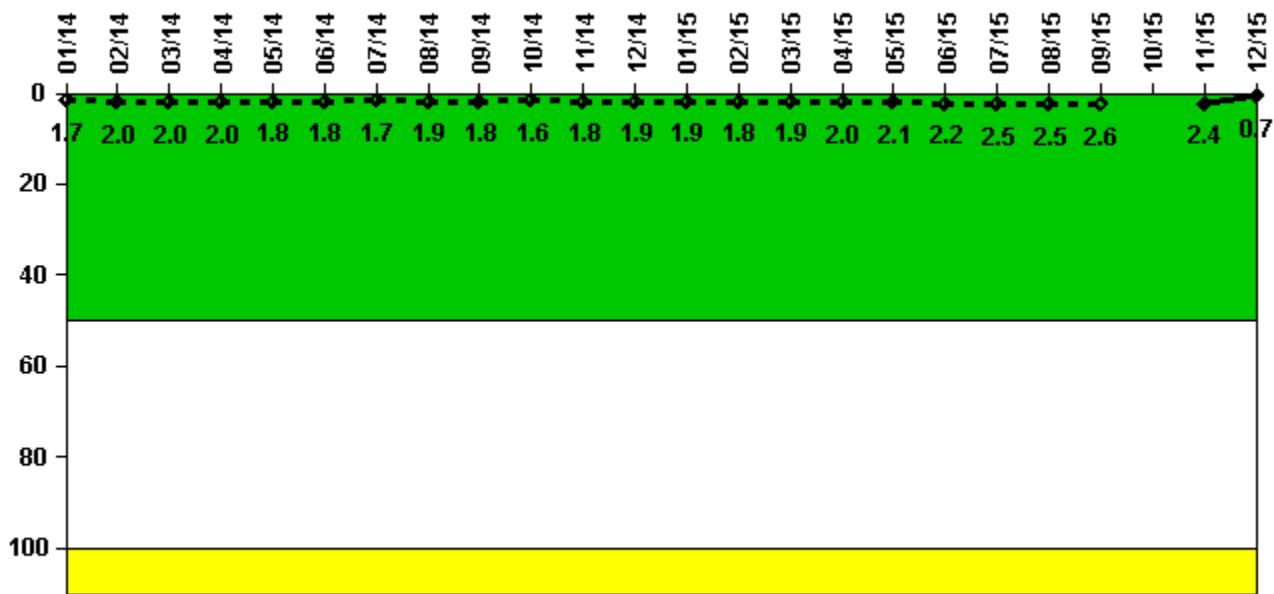
Notes

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	0.001000	0.001060	0.001040	0.001270	N/A	0.000519	0.000615	0.000618	0.000581	0.000609	0.000619	0.000685
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum activity	0.000698	0.000645	0.000776	0.000725	0.000780	0.000844	0.000799	0.000841	0.000797	N/A	0.000438	0.000464
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	N/A	0	0

Licensee Comments: none

Reactor Coolant System Leakage



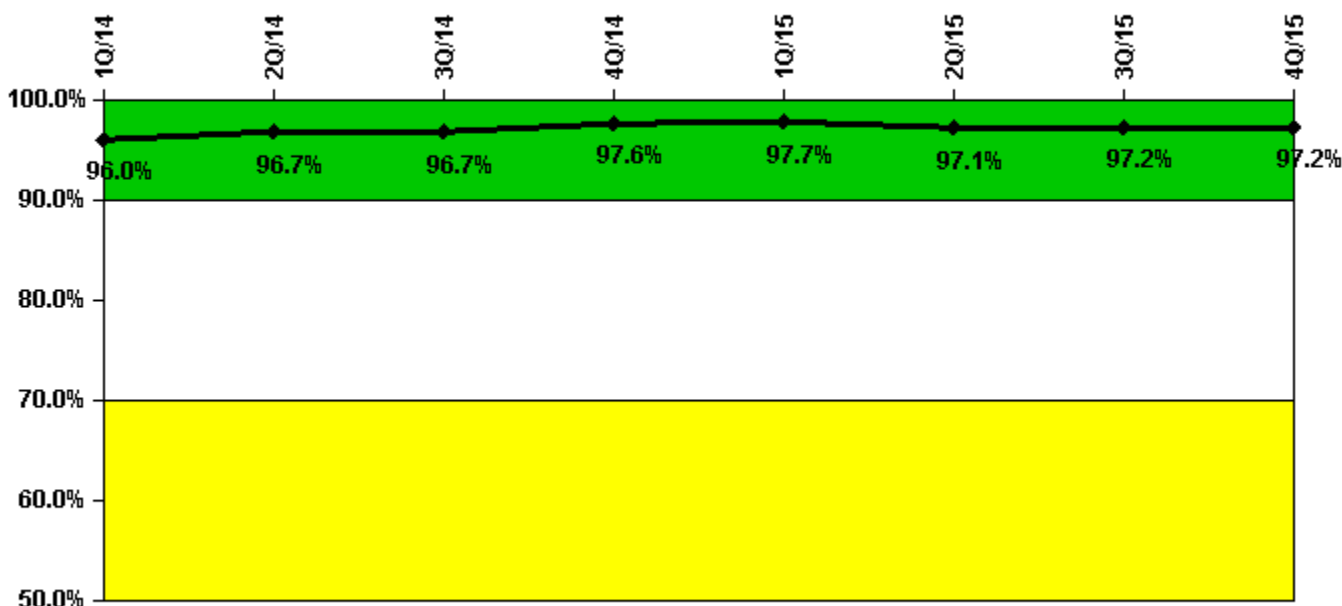
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.168	0.200	0.196	0.195	0.182	0.182	0.168	0.192	0.180	0.164	0.178	0.189
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	1.7	2.0	2.0	2.0	1.8	1.8	1.7	1.9	1.8	1.6	1.8	1.9
Reactor Coolant System Leakage	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum leakage	0.190	0.184	0.187	0.201	0.211	0.219	0.246	0.250	0.264	N/A	0.243	0.066
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	1.9	1.8	1.9	2.0	2.1	2.2	2.5	2.5	2.6	N/A	2.4	0.7

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful opportunities	51.0	45.0	108.0	61.0	16.0	93.0	65.0	19.0
Total opportunities	54.0	45.0	111.0	61.0	16.0	98.0	67.0	19.0
Indicator value	96.0%	96.7%	96.7%	97.6%	97.7%	97.1%	97.2%	97.2%

Licensee Comments:

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.

3Q/14: The September Drill / Exercise Performance was revised to included three notification communicator drills. This change dose not affect the color of this indicator.

2Q/14: Change to correct counting of the number of drills performed in the 2nd qtr. (Changed October 2014 does not affect the color of this indicator)

1Q/14: SM Classification failure during 2/25/2014 simulator set. EOF notification failure during 3/19/2014 full scale drill. EOF PAR failure furing 3/19/2014 full scale drill. (Changed October 2014 does not affect the color of this indicator)

ERO Drill Participation



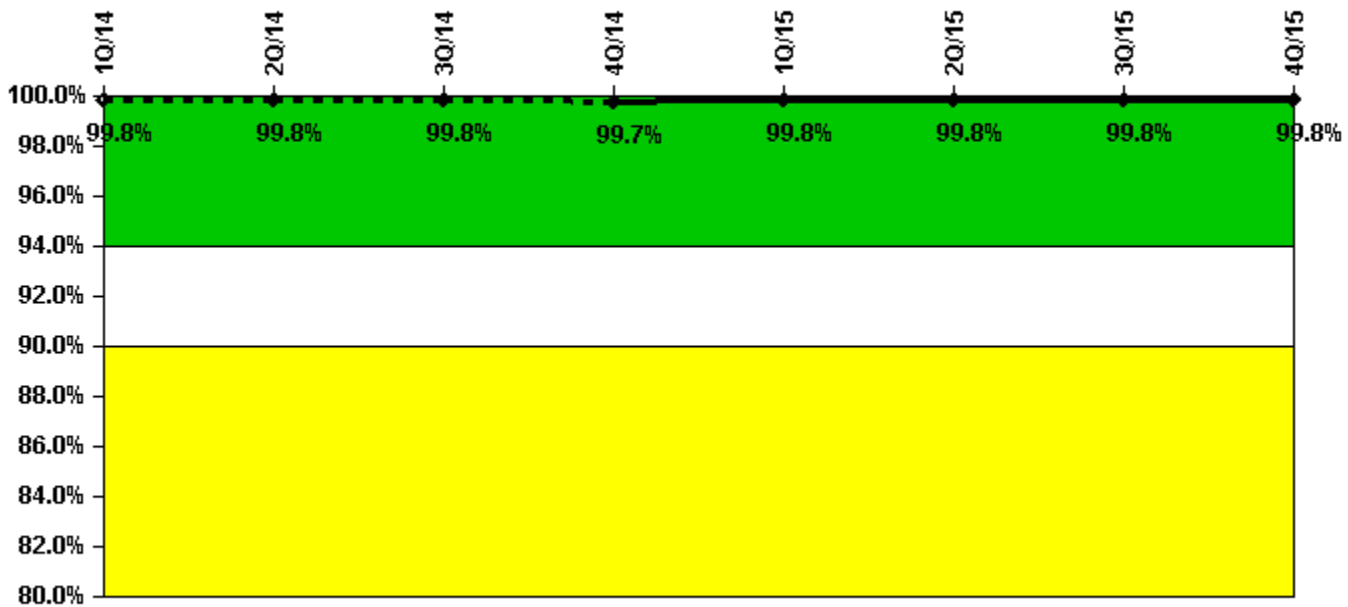
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Participating Key personnel	103.0	118.0	119.0	116.0	113.0	109.0	106.0	103.0
Total Key personnel	103.0	118.0	119.0	116.0	113.0	109.0	106.0	103.0
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%

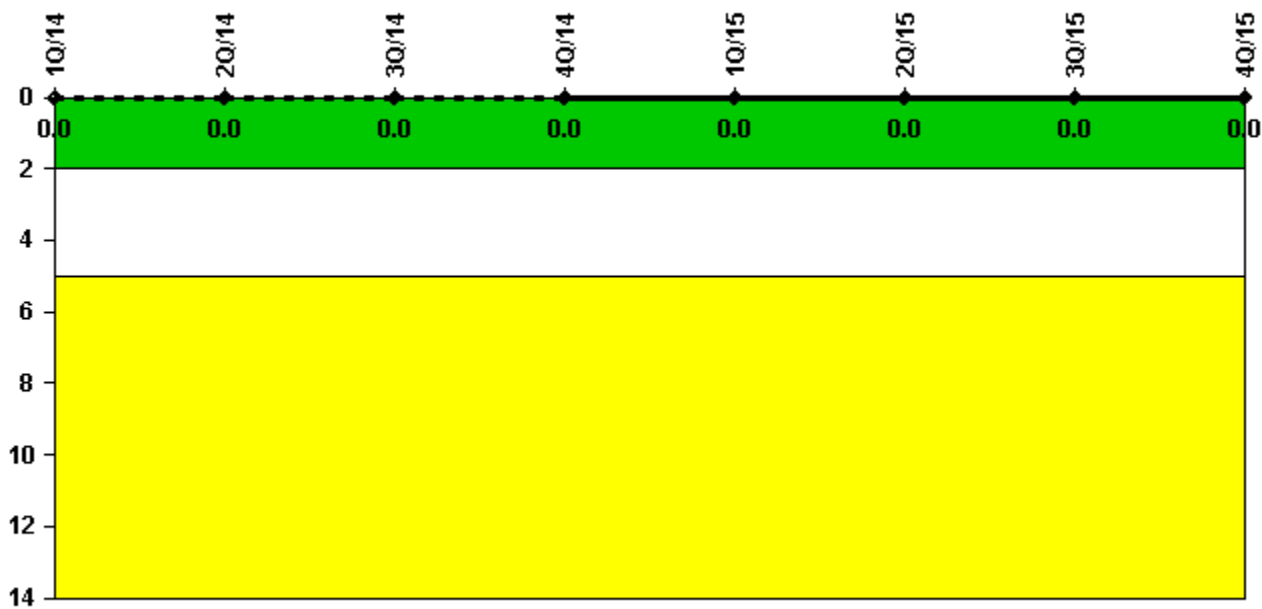
Notes

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

Licensee Comments:

1Q/14: February 2014 - 2z7 failed the initial siren test. Additional checks were performed and the siren tested sat. It also tested sat in March 2014 test. (CR-ANO-C-2014-02471) (Changed October 2014 does not affect the color of this indicator)

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
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	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
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: March 1, 2016