

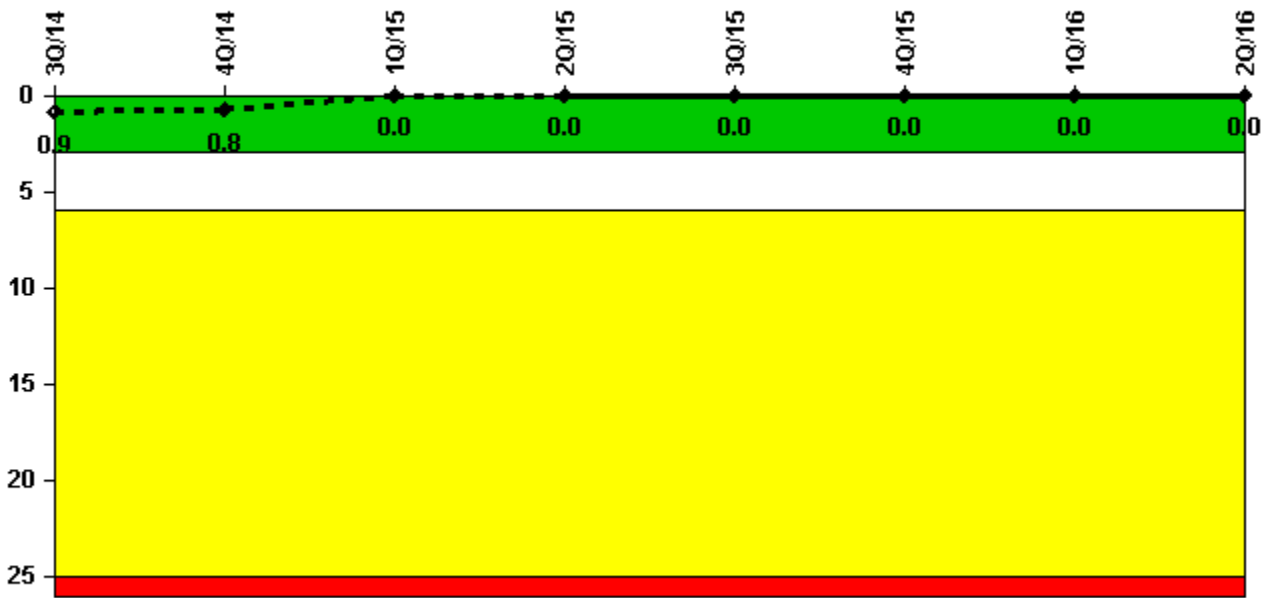
Harris 1

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Unavailability was not previously taken for sequencer relay work. Revisions took place in June 2016 to account for sequencer relay work. No impact to indicator color.

Unplanned Scrams per 7000 Critical Hrs



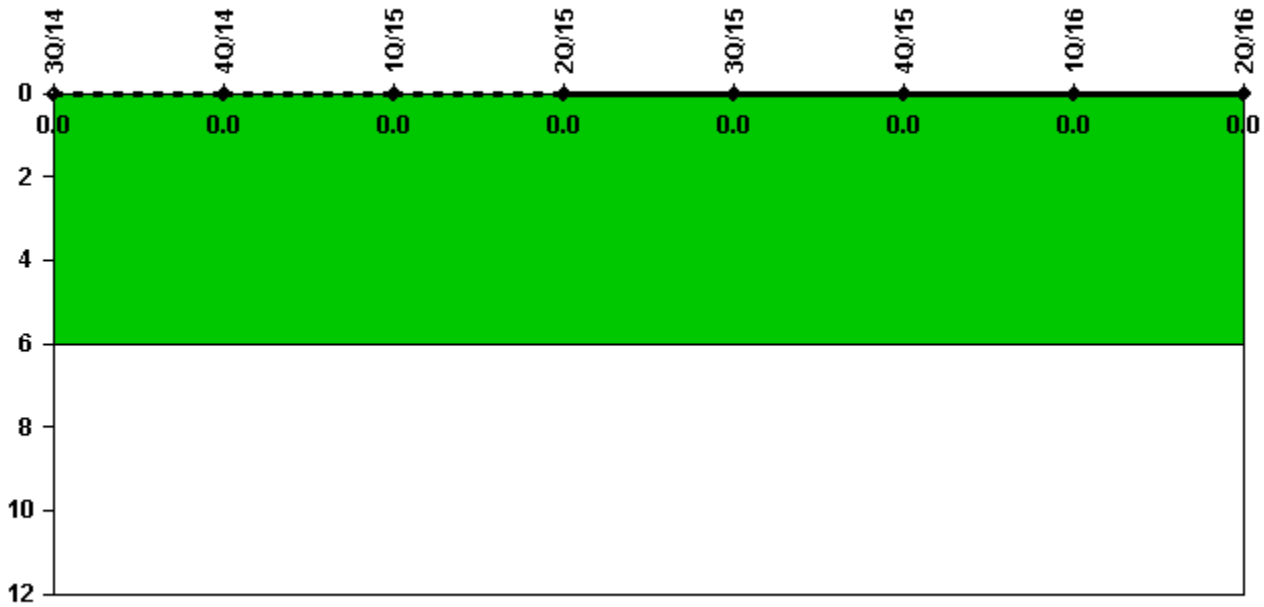
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1166.2	2208.0	2209.0	2183.0	2184.0
Indicator value	0.9	0.8	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



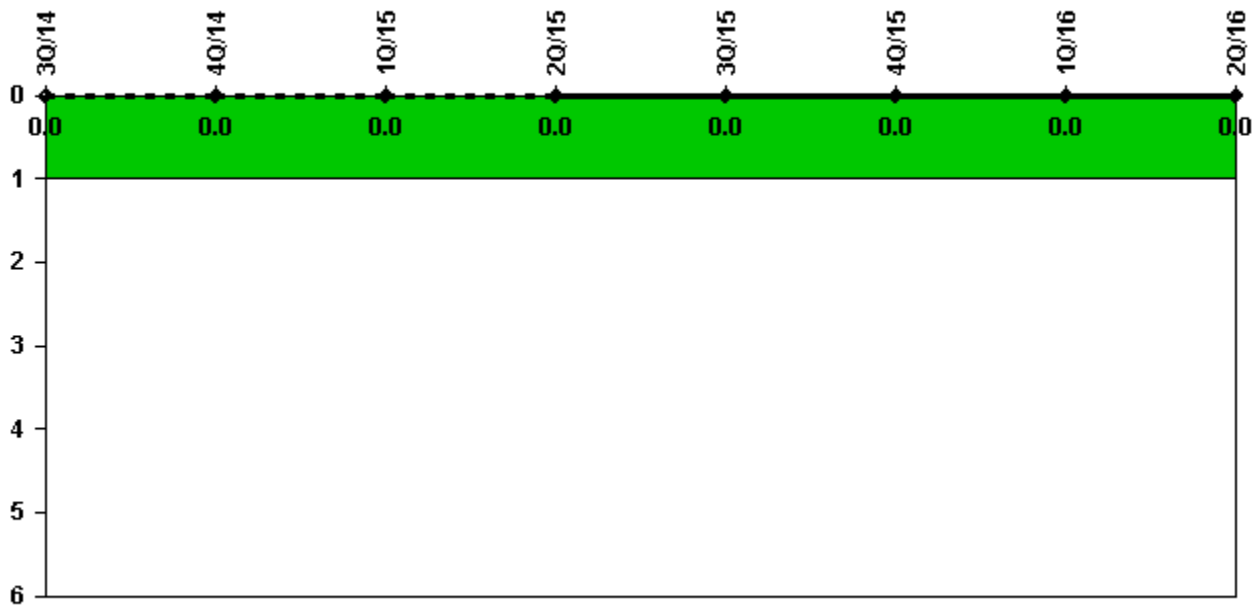
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1166.2	2208.0	2209.0	2183.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



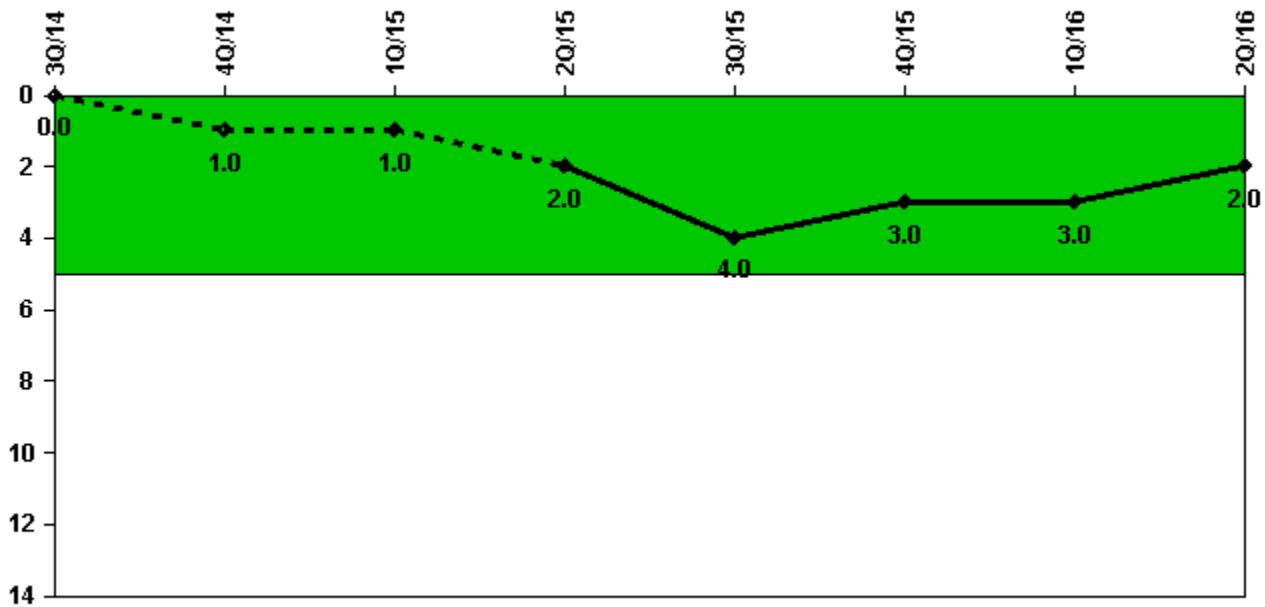
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/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

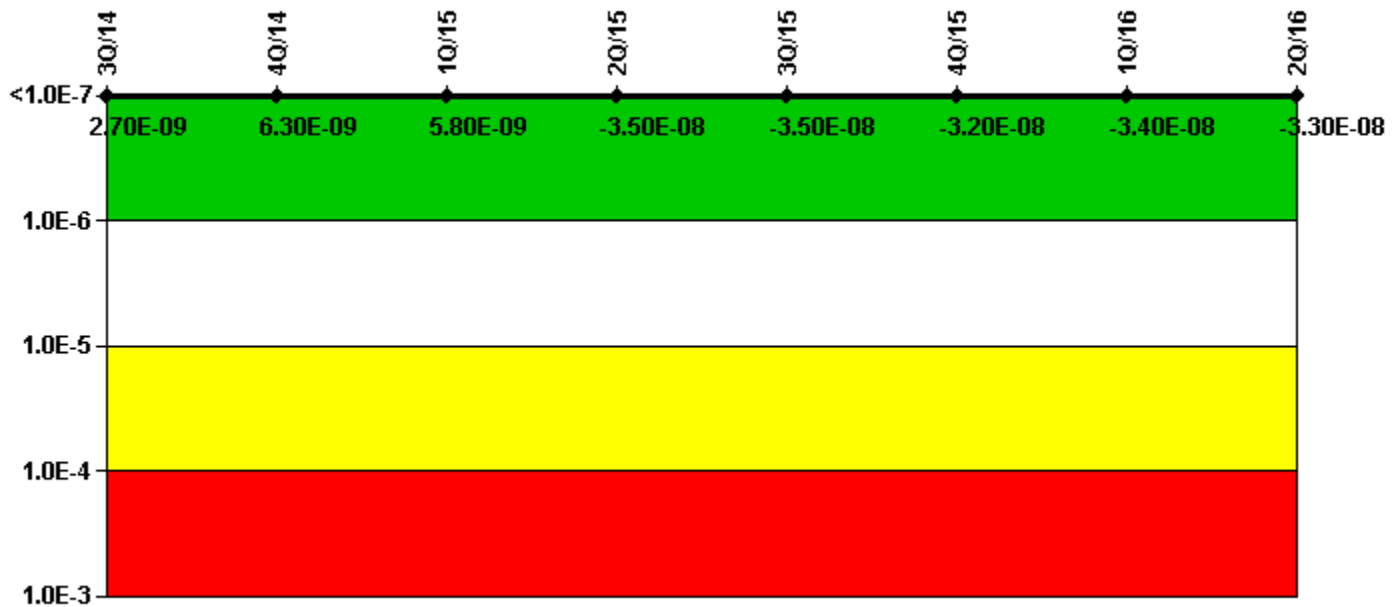
Safety System Functional Failures (PWR)	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	0	1	0	1	2	0	0	0
Indicator value	0	1	1	2	4	3	3	2

Licensee Comments:

3Q/15: Licensee Event Reports were submitted in both July 2015 and August 2015 that involved safety system functional failures. They were LER 2015-004-01 and LER 2015-005-00, respectively.

2Q/15: There was one Licensee Event Report submitted in June 2015 which involved a safety system functional failure. LER No. 2015-002-00

Mitigating Systems Performance Index, Emergency AC Power System



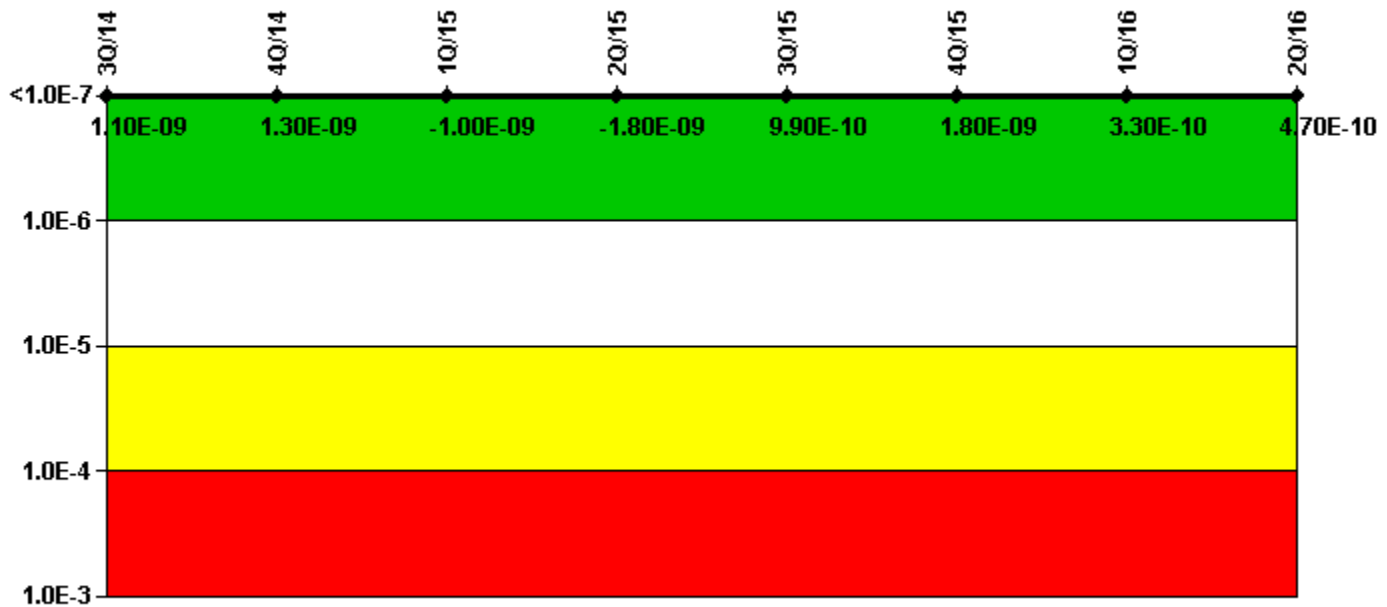
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	1.17E-08	1.48E-08	1.44E-08	1.44E-08	1.44E-08	1.72E-08	1.52E-08	1.65E-08
URI (Δ CDF)	-8.93E-09	-8.51E-09	-8.51E-09	-4.96E-08	-4.96E-08	-4.96E-08	-4.96E-08	-4.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.70E-09	6.30E-09	5.80E-09	-3.50E-08	-3.50E-08	-3.20E-08	-3.40E-08	-3.30E-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	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	1.03E-08	1.04E-08	8.11E-09	7.32E-09	1.01E-08	1.09E-08	9.44E-09	9.58E-09
URI (Δ CDF)	-9.22E-09	-9.11E-09	-9.11E-09	-9.11E-09	-9.11E-09	-9.11E-09	-9.11E-09	-9.11E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.10E-09	1.30E-09	-1.00E-09	-1.80E-09	9.90E-10	1.80E-09	3.30E-10	4.70E-10

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/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	1.25E-08	1.25E-08	1.51E-08	1.52E-08	1.52E-08	9.31E-09	1.34E-08	1.18E-08
URI (Δ CDF)	-6.56E-08	-6.33E-08	-6.33E-08	-6.33E-08	-6.33E-08	-6.33E-08	-6.49E-08	-6.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.30E-08	-5.10E-08	-4.80E-08	-4.80E-08	-4.80E-08	-5.40E-08	-5.20E-08	-5.30E-08

Licensee Comments:

2Q/16: The March 2016 data was revised to account for an incorrect interpretation of MSPI in-scope boundary components (Unavailability for sequencer relay work). Pump Train 'A' planned unavailable hours were revised from 0 to 6.7 hours, due to maintenance. Data revised in June 2016. Minute impact to indicator values post March 2016 up to June 2016. No change in indicator color.

Mitigating Systems Performance Index, Residual Heat Removal System



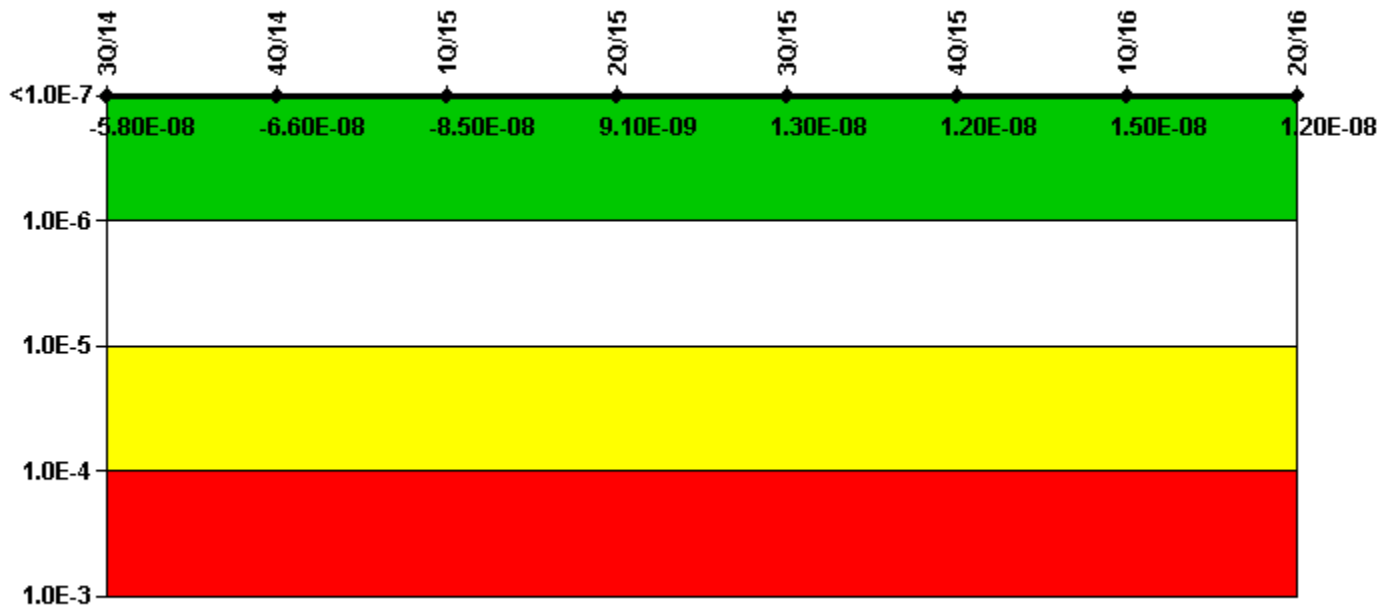
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	1.92E-08	2.42E-08	2.02E-08	1.82E-08	2.49E-08	1.51E-08	2.64E-08	3.85E-08
URI (Δ CDF)	-2.88E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.50E-09	-4.00E-09	-8.00E-09	-1.00E-08	-3.20E-09	-1.30E-08	-1.80E-09	1.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

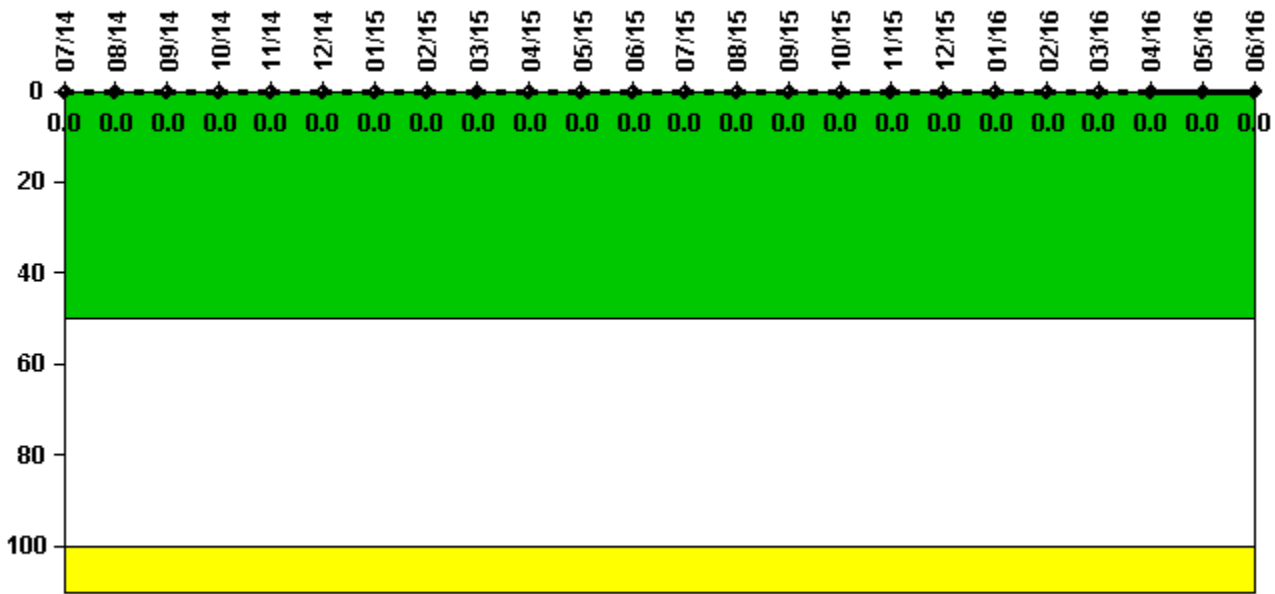
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	4.46E-08	3.64E-08	1.73E-08	1.91E-08	2.35E-08	2.17E-08	2.49E-08	2.23E-08
URI (Δ CDF)	-1.03E-07	-1.02E-07	-1.02E-07	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.80E-08	-6.60E-08	-8.50E-08	9.10E-09	1.30E-08	1.20E-08	1.50E-08	1.20E-08

Licensee Comments:

2Q/16: The May 2015 data was revised to account for an incorrect interpretation of MSPI in-scope boundary components (Unavailability for sequencer relay work). It was revised to reflect the 'A' ESW pump being unavailable for 3.35 hours instead of 0 hours. Data revised in June 2016. Minute impact to Indicator values post May 2015 and prior to June 2016. No change in indicator color.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

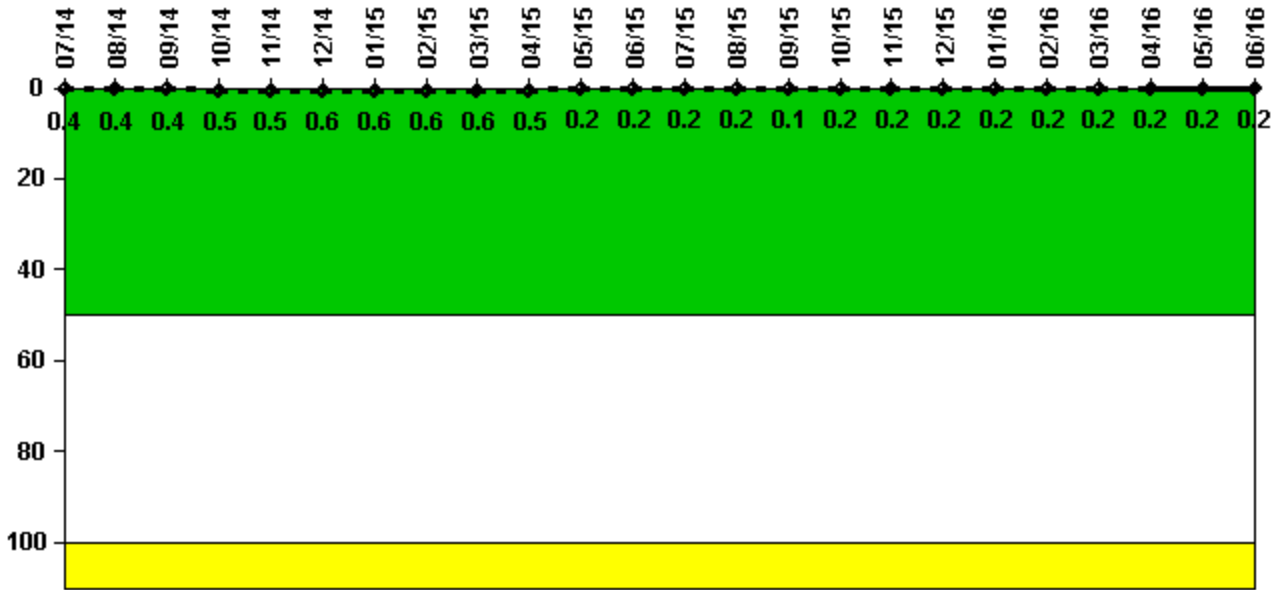
Notes

Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum activity	0.000147	0.000131	0.000138	0.000138	0.000147	0.000155	0.000153	0.000160	0.000162	0.000159	0.000090	0.000092
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

Reactor Coolant System Activity	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum activity	0.000404	0.000089	0.000094	0.000147	0.000104	0.000163	0.000346	0.000114	0.000139	0.000172	0.000122	0.000125
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



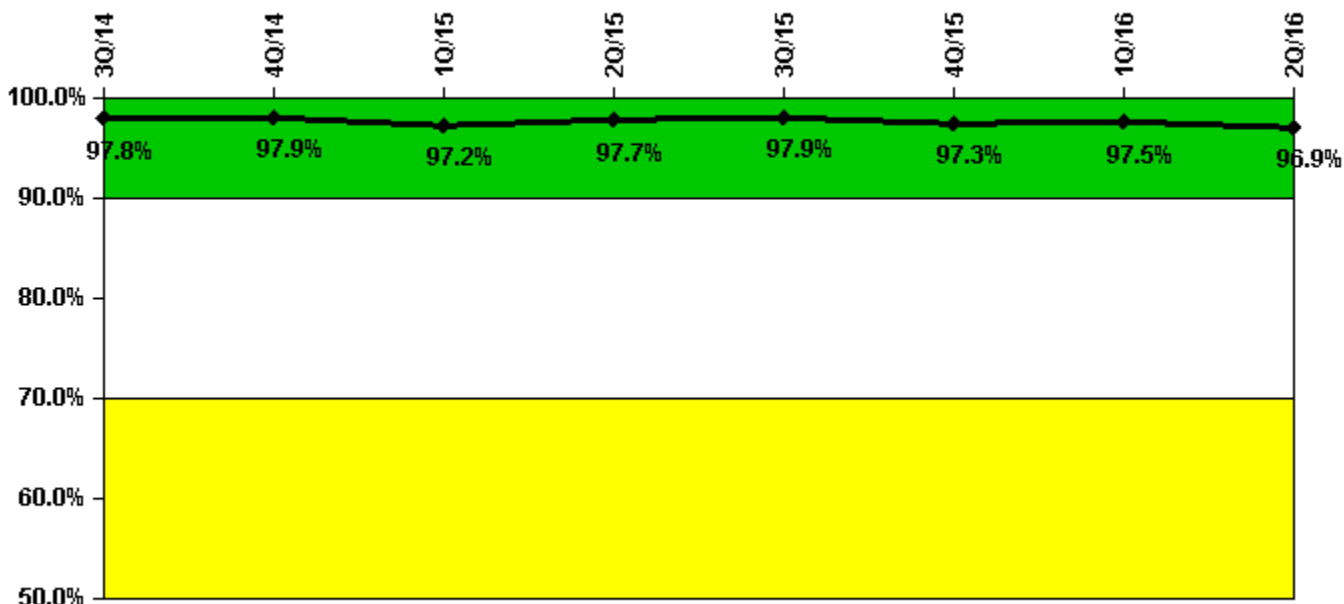
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	0.035	0.036	0.042	0.051	0.054	0.055	0.058	0.056	0.055	0.050	0.019	0.018
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	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.2	0.2
Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	0.016	0.015	0.014	0.015	0.015	0.015	0.015	0.017	0.019	0.017	0.016	0.017
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	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Licensee Comments: none

Drill/Exercise Performance



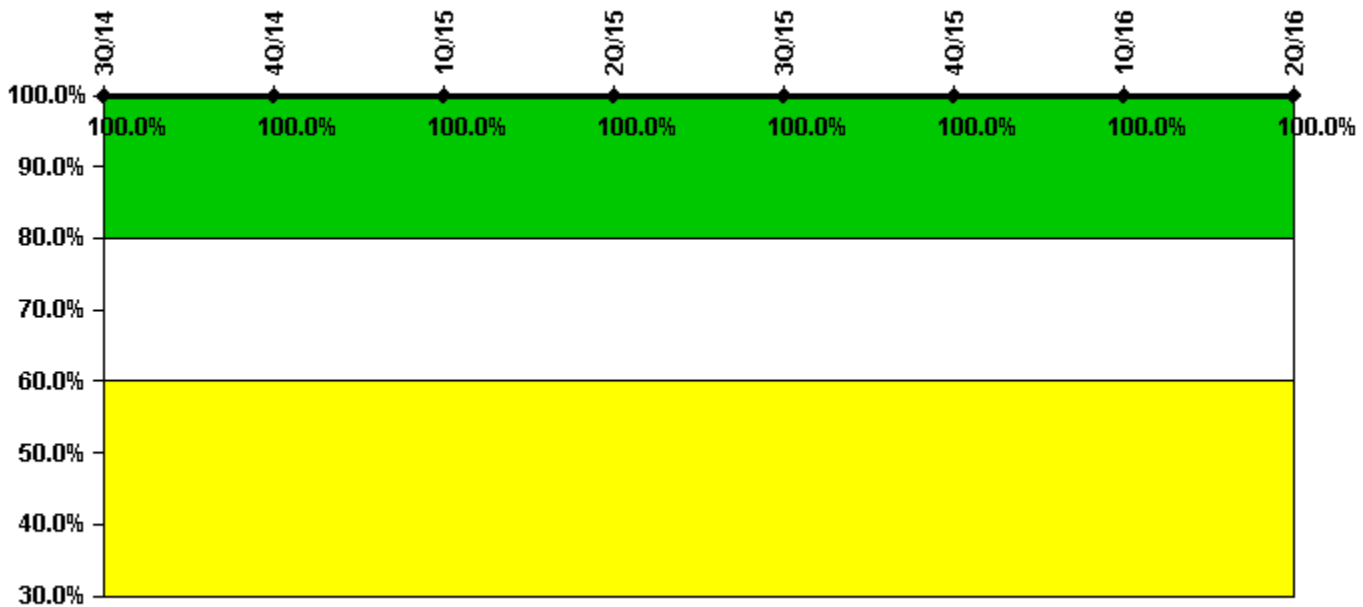
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	31.0	28.0	24.0	11.0	38.0	33.0	29.0	28.0
Total opportunities	32.0	28.0	26.0	11.0	39.0	35.0	29.0	29.0
Indicator value	97.8%	97.9%	97.2%	97.7%	97.9%	97.3%	97.5%	96.9%

Licensee Comments: none

ERO Drill Participation



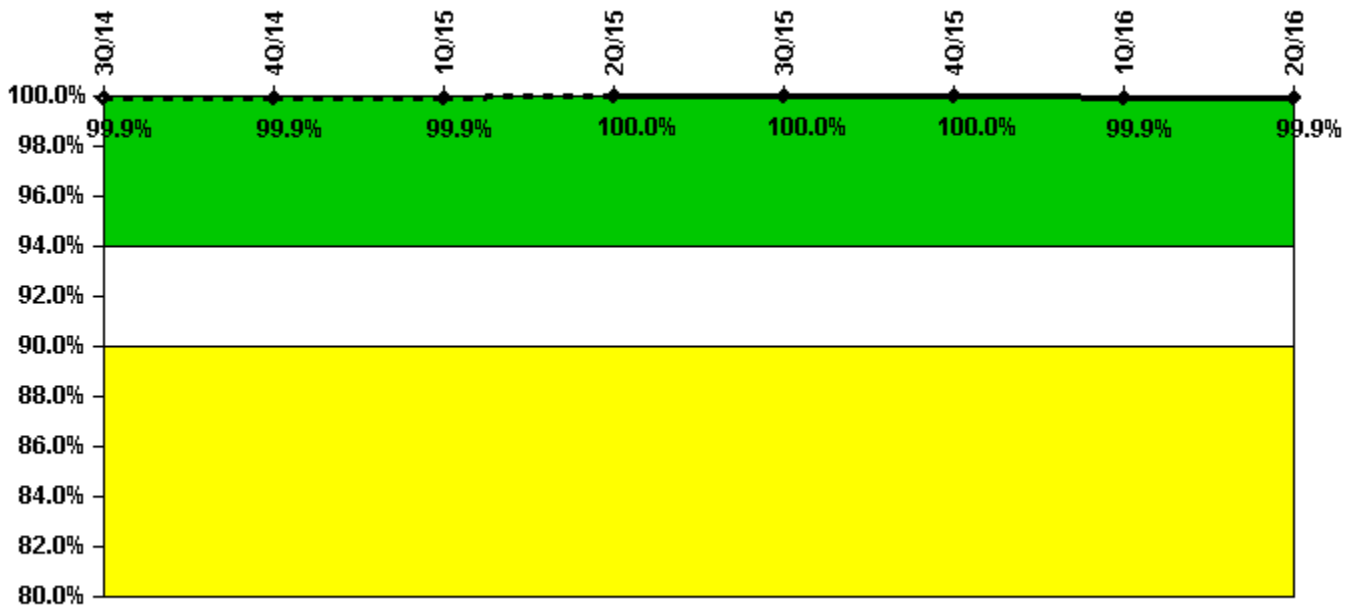
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Participating Key personnel	50.0	54.0	55.0	54.0	49.0	51.0	55.0	54.0
Total Key personnel	50.0	54.0	55.0	54.0	49.0	51.0	55.0	54.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



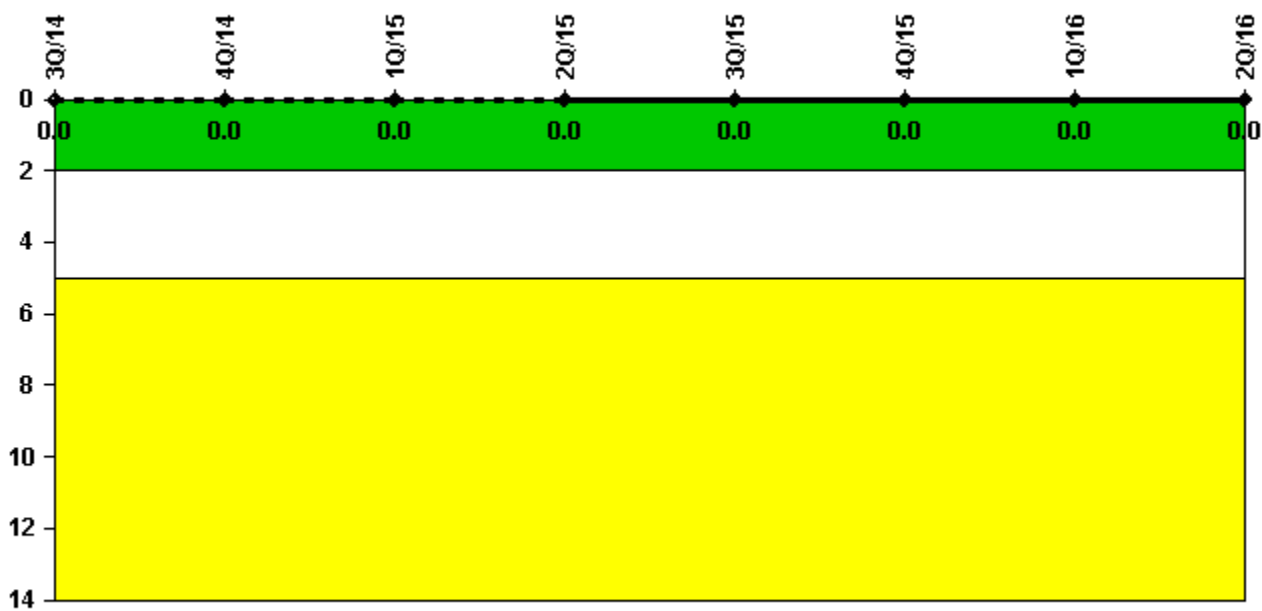
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	746	664	581	581	746	664	580	664
Total sirens-tests	747	664	581	581	747	664	581	664
Indicator value	99.9%	99.9%	99.9%	100.0%	100.0%	100.0%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



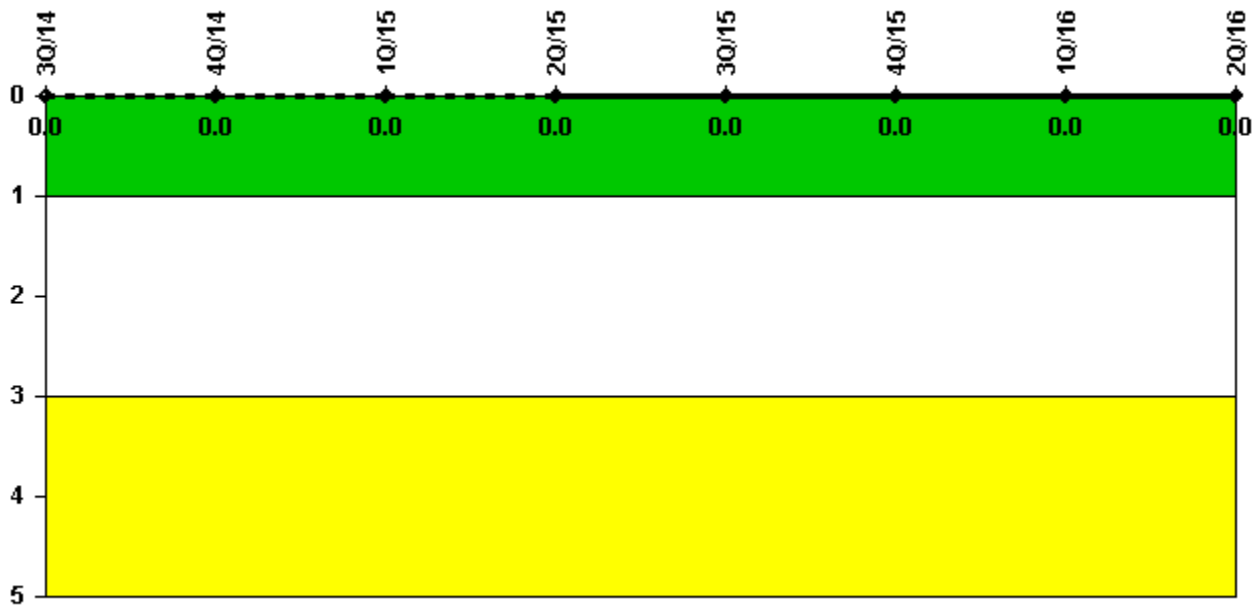
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/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	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/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: July 25, 2016