

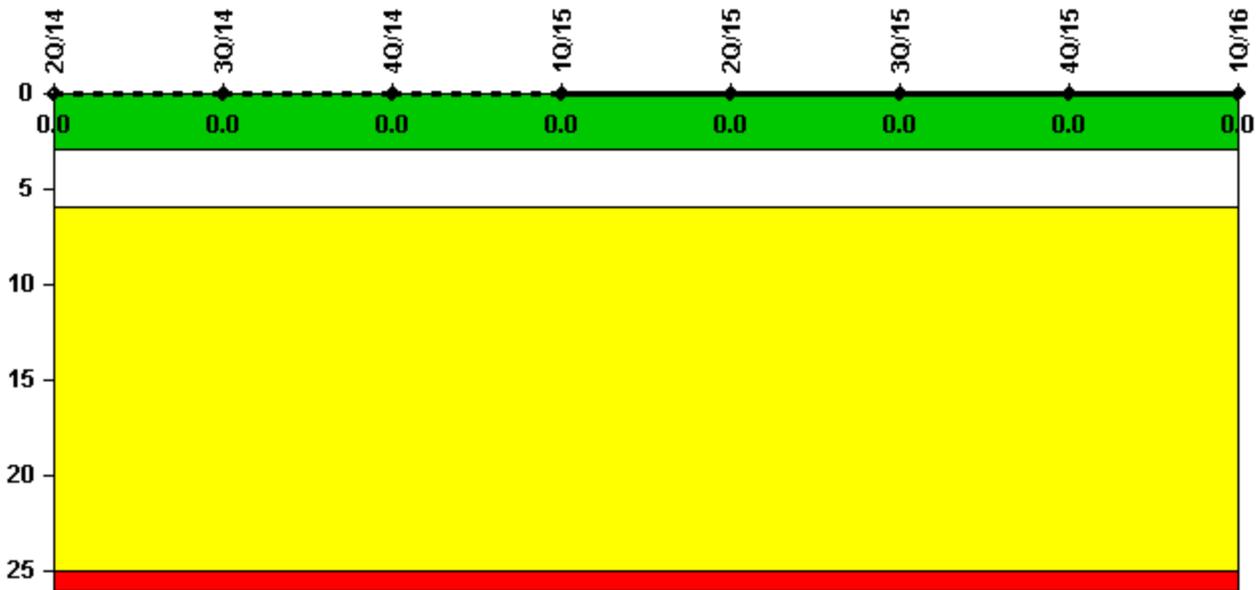
South Texas 2

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



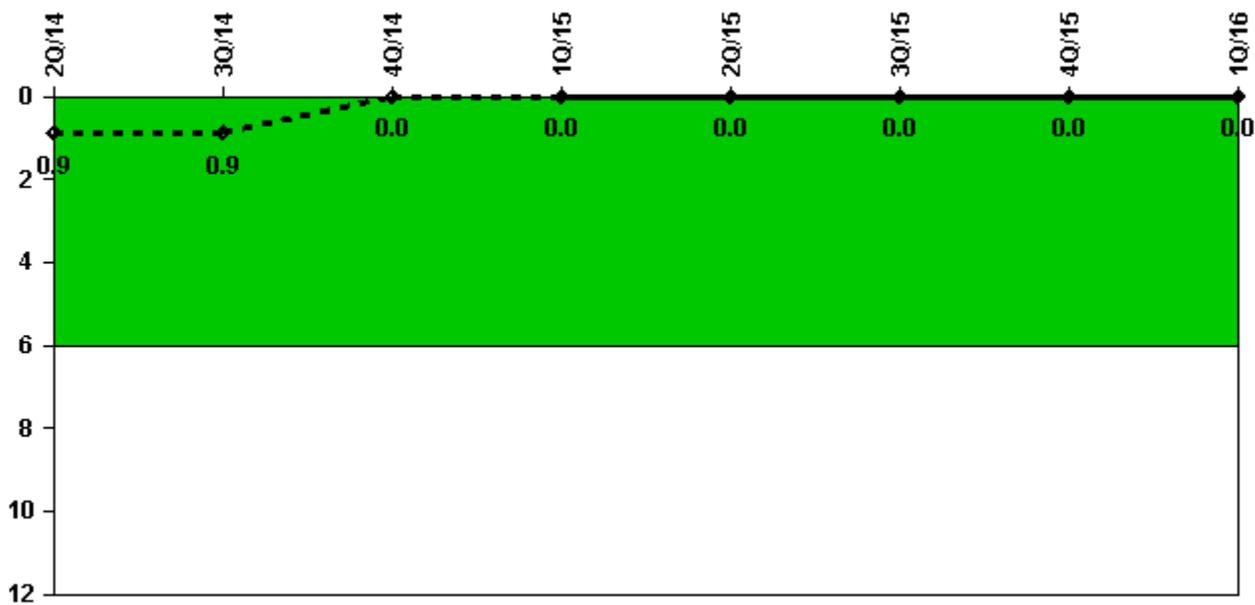
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2087.1	1305.1	2208.0	2209.0	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



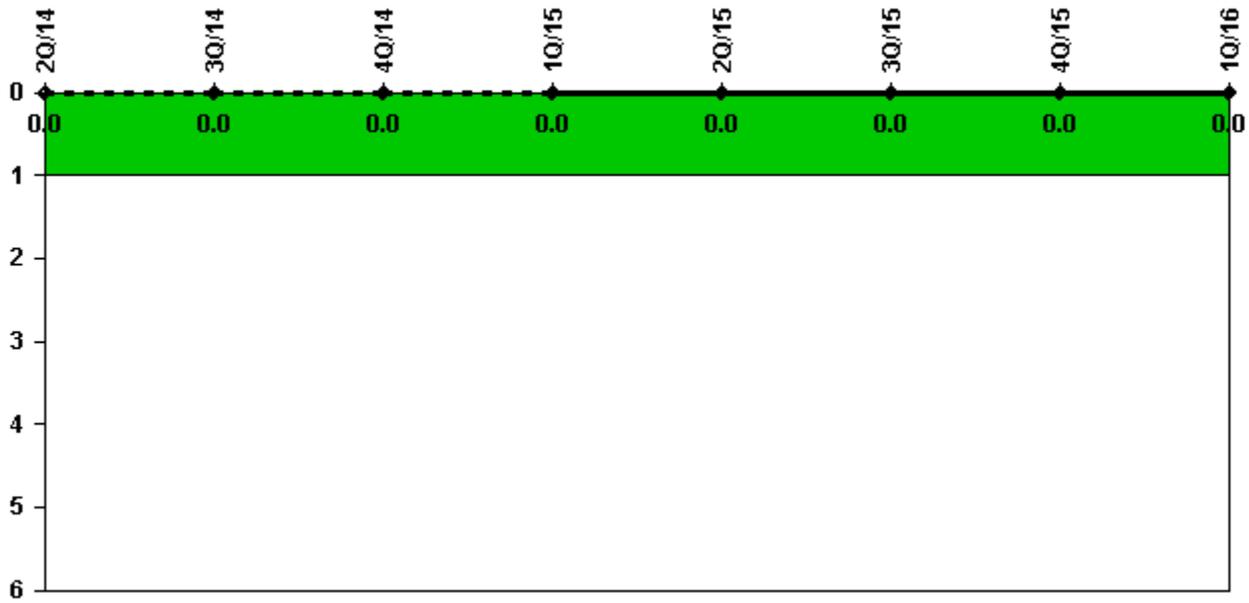
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2087.1	1305.1	2208.0	2209.0	2183.0
Indicator value	0.9	0.9	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



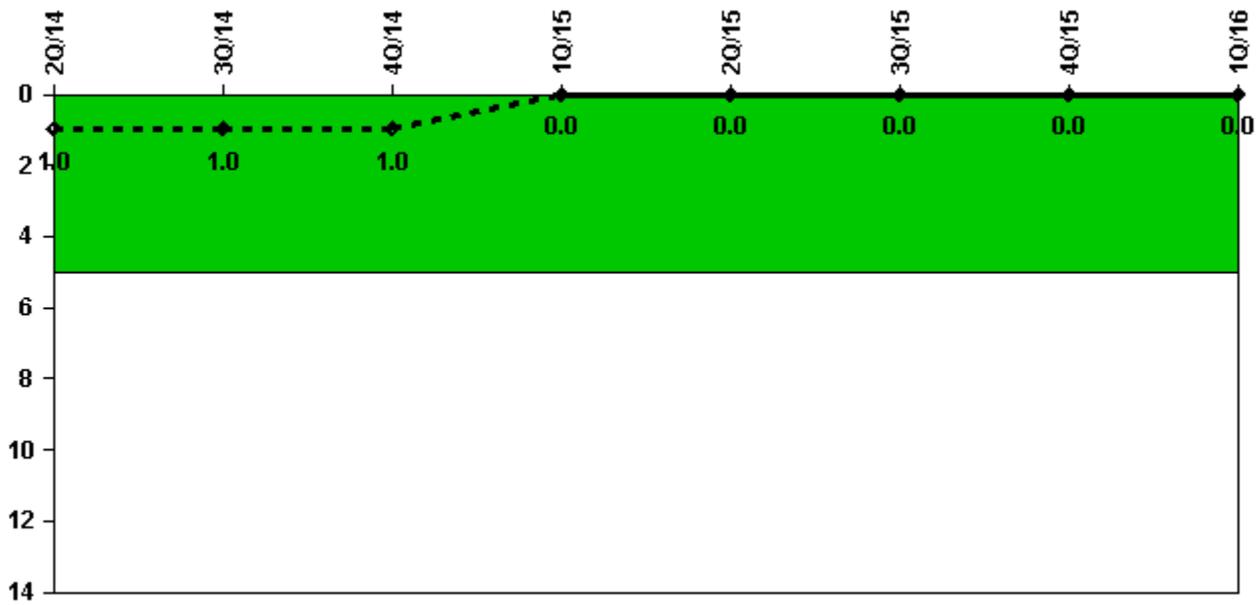
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



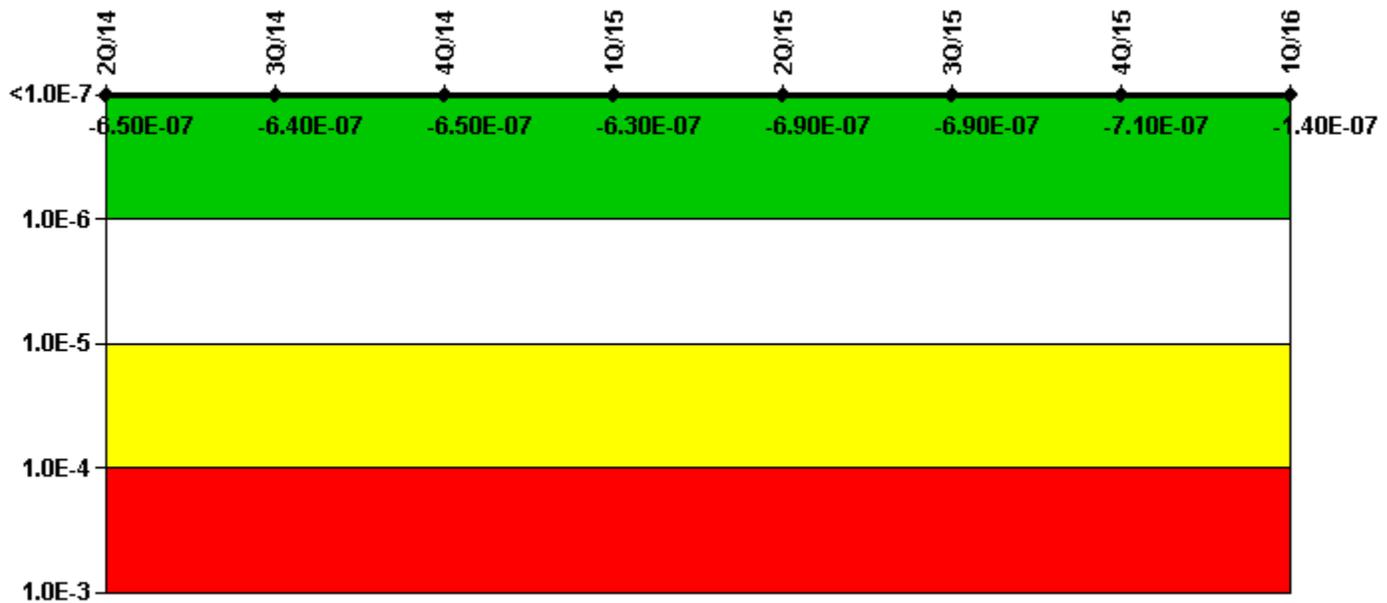
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	1	1	1	0	0	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	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	9.96E-08	9.82E-08	8.32E-08	1.08E-07	4.73E-08	4.91E-08	2.88E-08	2.63E-08
URI (Δ CDF)	-7.47E-07	-7.42E-07	-7.36E-07	-7.36E-07	-7.36E-07	-7.36E-07	-7.36E-07	-1.62E-07
PLE	NO							
Indicator value	-6.50E-07	-6.40E-07	-6.50E-07	-6.30E-07	-6.90E-07	-6.90E-07	-7.10E-07	-1.40E-07

Licensee Comments:

1Q/16: Changed PRA Parameter(s). Approved PRA Model Rev 8.1 and updated coefficients effective 1Q16.

4Q/14: The UABLP coefficient was revised for DG21 effective 1Q15 for 5 year maintenance. This is reflected in the revision to the MSPI Bases Document, Rev. 19.

3Q/14: Planned unavailable hours corrected for May 2014 for EDG 23. This did not change the color of the indicator. CR 14-16801

Mitigating Systems Performance Index, High Pressure Injection System



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

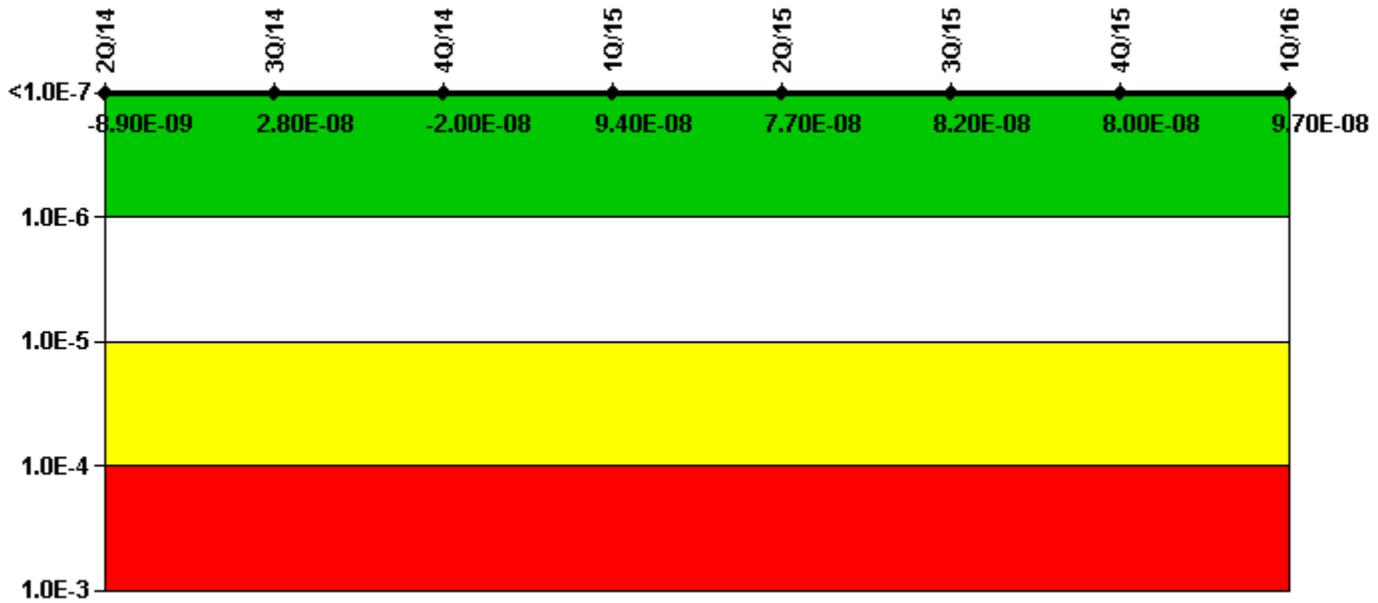
Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	-3.65E-08	-3.65E-08	-3.65E-08	-3.65E-08	-3.50E-08	-3.18E-08	-2.37E-08	-2.56E-08
URI (Δ CDF)	-2.53E-08	-2.13E-08						
PLE	NO							
Indicator value	-6.20E-08	-6.20E-08	-6.20E-08	-6.20E-08	-6.00E-08	-5.70E-08	-4.90E-08	-4.70E-08

Licensee Comments:

1Q/16: Changed PRA Parameter(s). Approved PRA Model Rev 8.1 and updated coefficients effective 1Q16.

Mitigating Systems Performance Index, Heat Removal System



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

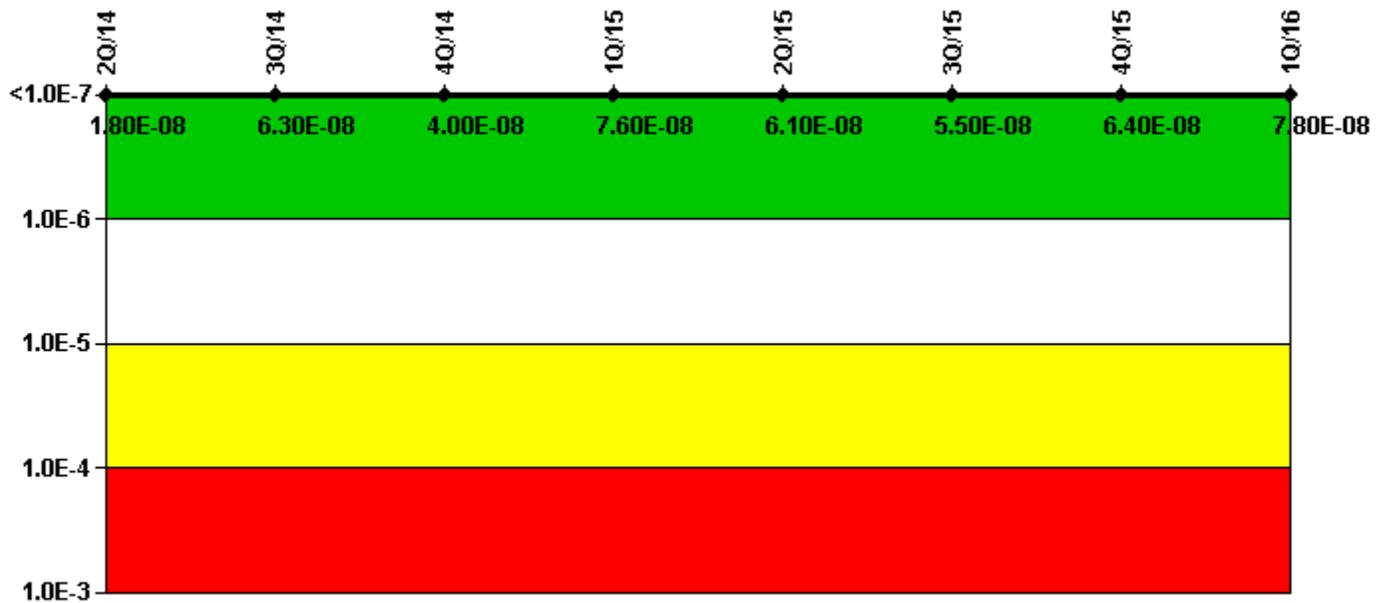
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	4.90E-08	8.61E-08	3.74E-08	5.08E-08	3.42E-08	3.88E-08	3.71E-08	3.88E-08
URI (Δ CDF)	-5.79E-08	-5.79E-08	-5.71E-08	4.33E-08	4.33E-08	4.33E-08	4.33E-08	5.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.90E-09	2.80E-08	-2.00E-08	9.40E-08	7.70E-08	8.20E-08	8.00E-08	9.70E-08

Licensee Comments:

1Q/16: Changed PRA Parameter(s). Approved PRA Model Rev 8.1 and updated coefficients effective 1Q16.

Mitigating Systems Performance Index, Residual Heat Removal System



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

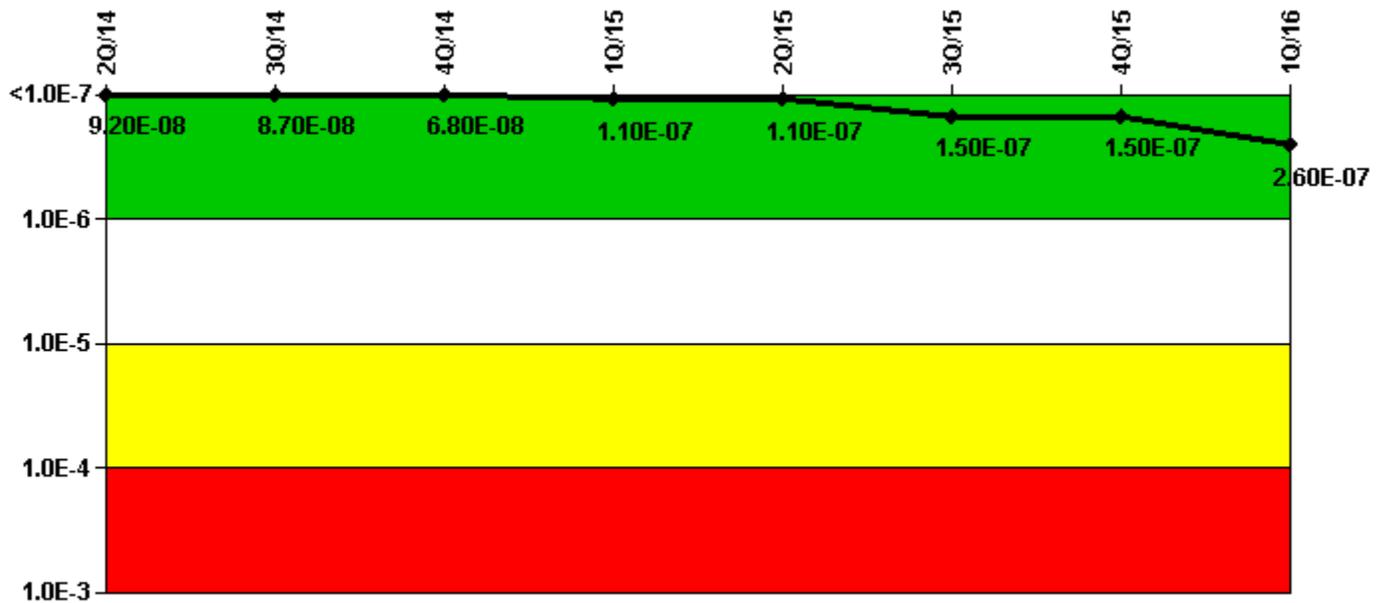
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (ΔCDF)	2.95E-08	7.45E-08	5.14E-08	8.73E-08	7.27E-08	6.67E-08	7.59E-08	8.88E-08
URI (ΔCDF)	-1.14E-08	-1.11E-08						
PLE	NO							
Indicator value	1.80E-08	6.30E-08	4.00E-08	7.60E-08	6.10E-08	5.50E-08	6.40E-08	7.80E-08

Licensee Comments:

1Q/16: Changed PRA Parameter(s). Approved PRA Model Rev 8.1 and updated coefficients effective 1Q16.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

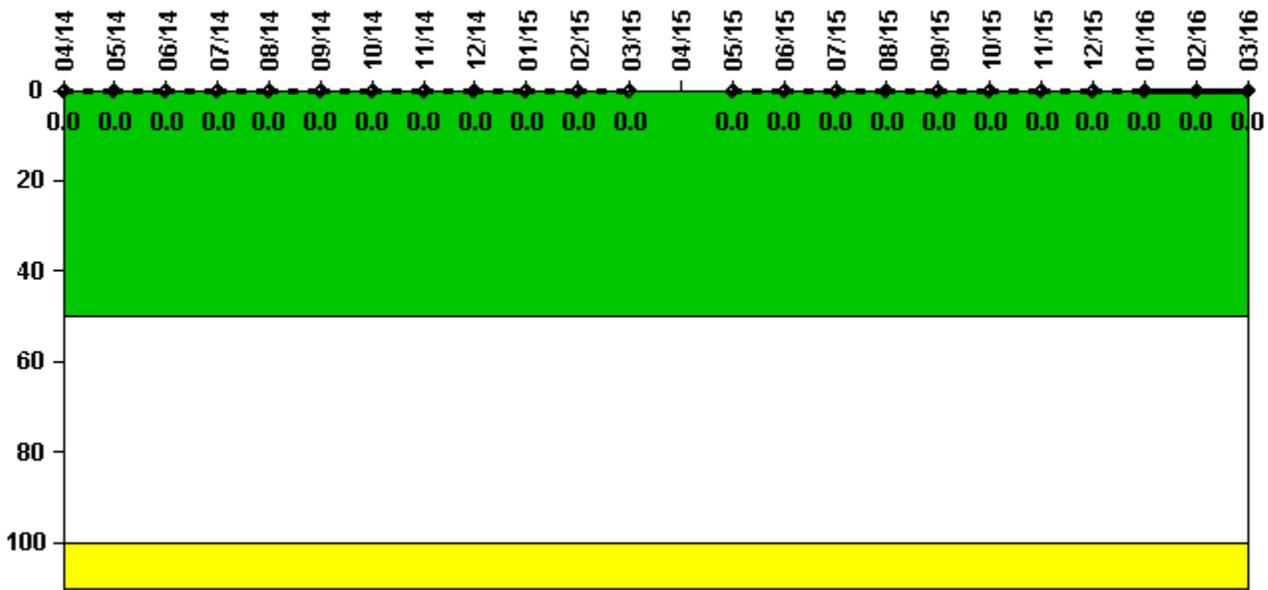
Mitigating Systems Performance Index, Cooling Water Systems	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	1.30E-07	1.26E-07	1.06E-07	1.50E-07	1.48E-07	1.88E-07	1.85E-07	2.87E-07
URI (Δ CDF)	-3.84E-08	-2.85E-08						
PLE	NO							
Indicator value	9.20E-08	8.70E-08	6.80E-08	1.10E-07	1.10E-07	1.50E-07	1.50E-07	2.60E-07

Licensee Comments:

1Q/16: Changed PRA Parameter(s). Approved PRA Model Rev 8.1 and updated coefficients effective 1Q16.

2Q/14: Revision 17 MSPI Bases Document - Revised Cooling Water System diagram to reflect removal of lube water strainers and supply line to pump bearings (CR 12-91-32)

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

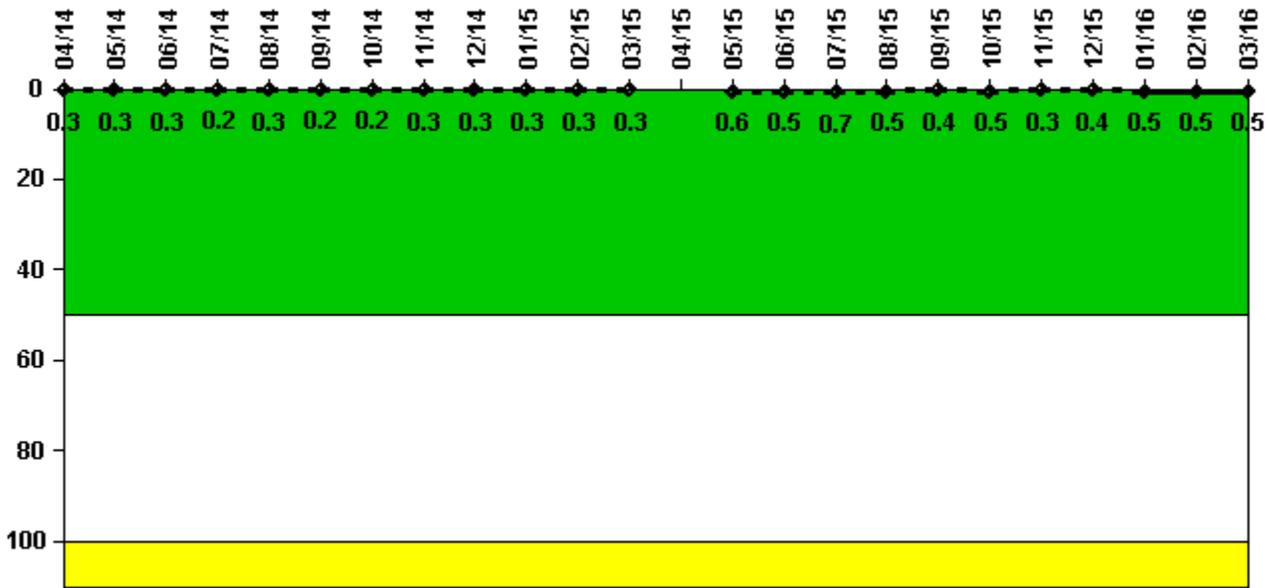
Notes

Reactor Coolant System Activity	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum activity	0.000041	0.000044	0.000047	0.000041	0.000046	0.000052	0.000048	0.000048	0.000047	0.000052	0.000050	0.000049
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	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	N/A	0.000026	0.000026	0.000030	0.000028	0.000030	0.000026	0.000026	0.000035	0.000035	0.000036	0.000040
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	0	0	0	0	0

Licensee Comments:

6/15: Unit 2 was shut down and did not operate for the month of April 2015.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

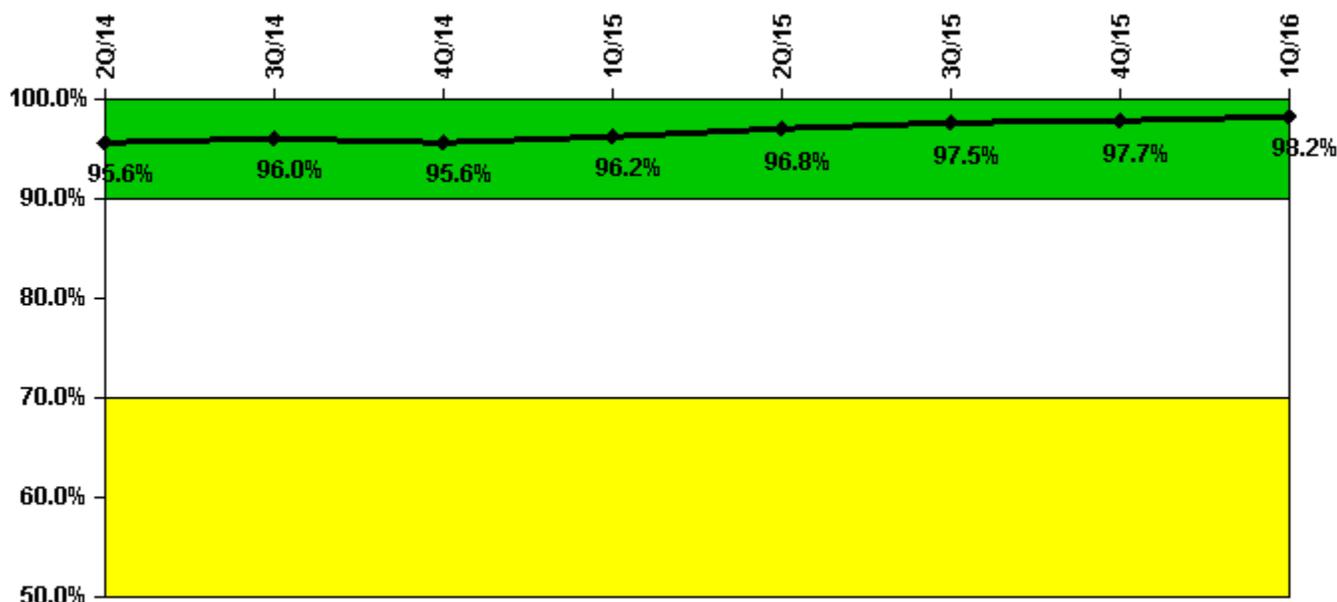
Notes

Reactor Coolant System Leakage	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum leakage	0.034	0.027	0.025	0.023	0.026	0.023	0.024	0.026	0.030	0.026	0.026	0.034
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	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3
Reactor Coolant System Leakage	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum leakage	N/A	0.059	0.046	0.069	0.046	0.036	0.052	0.034	0.037	0.053	0.054	0.046
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	0.6	0.5	0.7	0.5	0.4	0.5	0.3	0.4	0.5	0.5	0.5

Licensee Comments:

6/15: Unit 2 was shut down and did not operate for the month of April 2015.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful opportunities	59.0	69.0	46.0	104.0	91.0	60.0	2.0	10.0
Total opportunities	61.0	70.0	48.0	106.0	91.0	61.0	2.0	10.0
Indicator value	95.6%	96.0%	95.6%	96.2%	96.8%	97.5%	97.7%	98.2%

Licensee Comments:

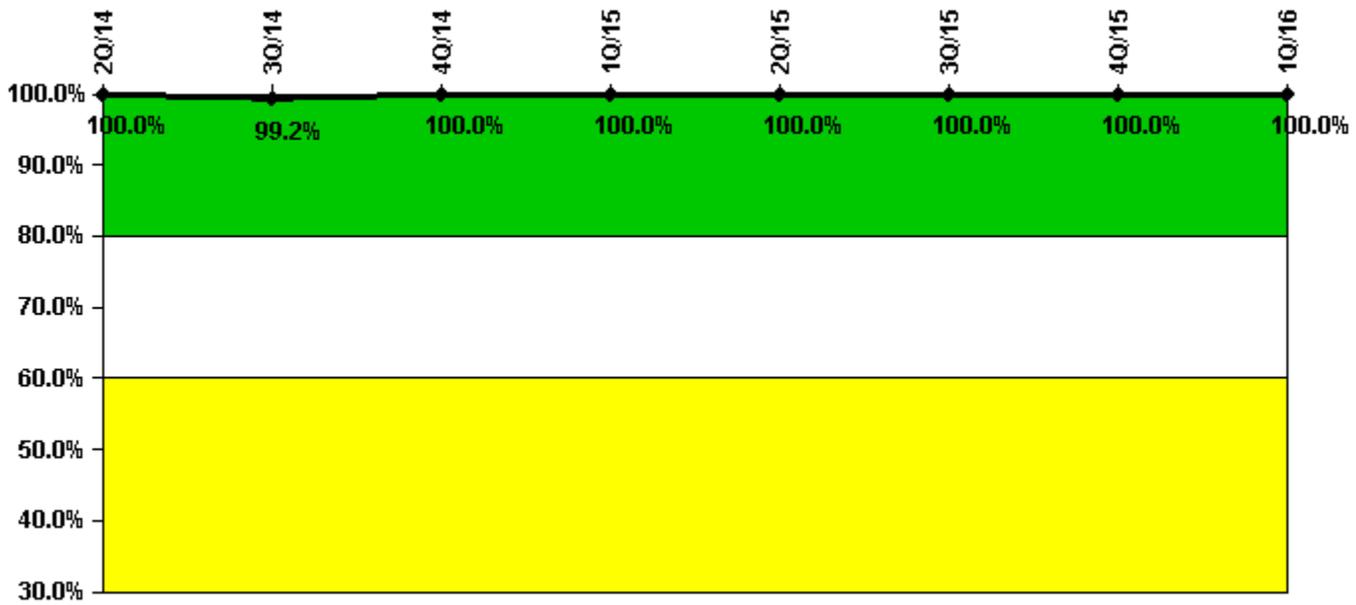
1Q/15: Corrected 4Q14 data DEP total opportunities from 50 to 46 and DEP total success from 52 to 48 due to administrative error. (CR 15-4048). This change did not affect the color of the indicator. Corrected 2Q14 data DEP total opportunities from 183 to 61 and DEP total success from 177 to 59 due data entry error (CR 15-2575). This change did not affect the color of the indicator.

4Q/14: Corrected 4Q14 data DEP total opportunities from 50 to 46 and DEP total success from 52 to 48 due to administrative error. (CR 15-4048). This change did not affect the color of the indicator.

3Q/14: Corrected data from 1Q14 from 38 to 37 successful drill, exercise and event opportunities. It was determined that a performance indicator for a drill classification was unsuccessful. CR 14-12671. This did not affect the color of the indicator.

2Q/14: Corrected 2Q14 data DEP total opportunities from 183 to 61 and DEP total success from 177 to 59 due data entry error (CR 15-2575). This change did not affect the color of the indicator.

ERO Drill Participation



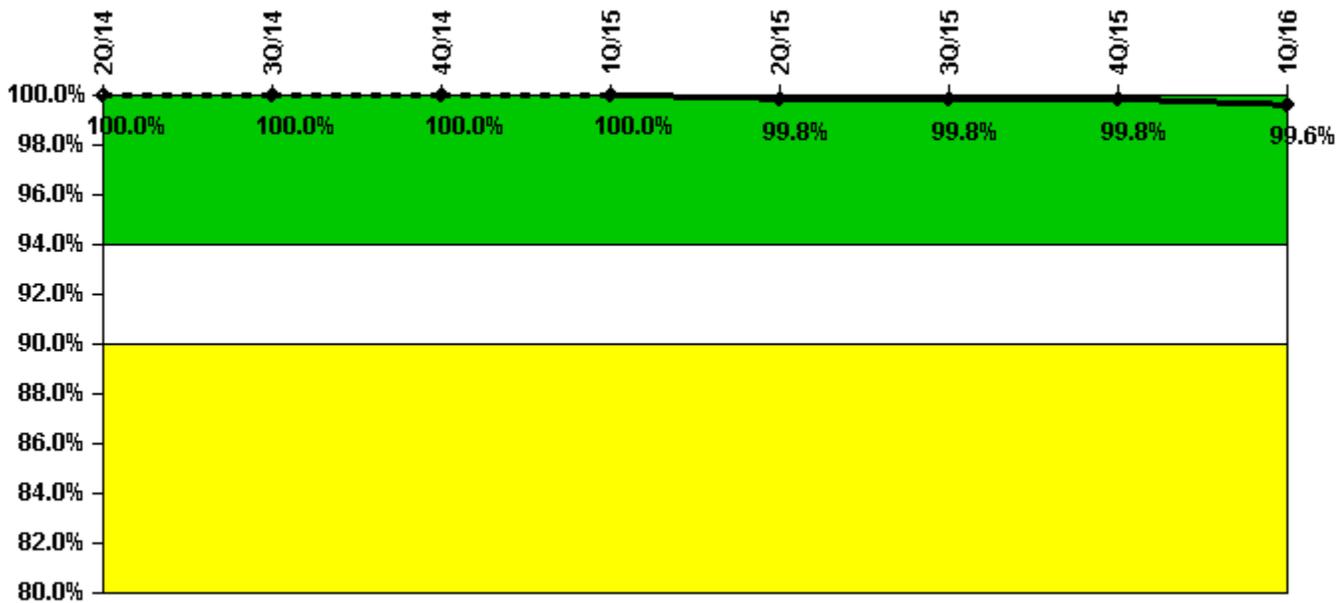
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Participating Key personnel	123.0	120.0	127.0	129.0	127.0	128.0	125.0	113.0
Total Key personnel	123.0	121.0	127.0	129.0	127.0	128.0	125.0	113.0
Indicator value	100.0%	99.2%	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%

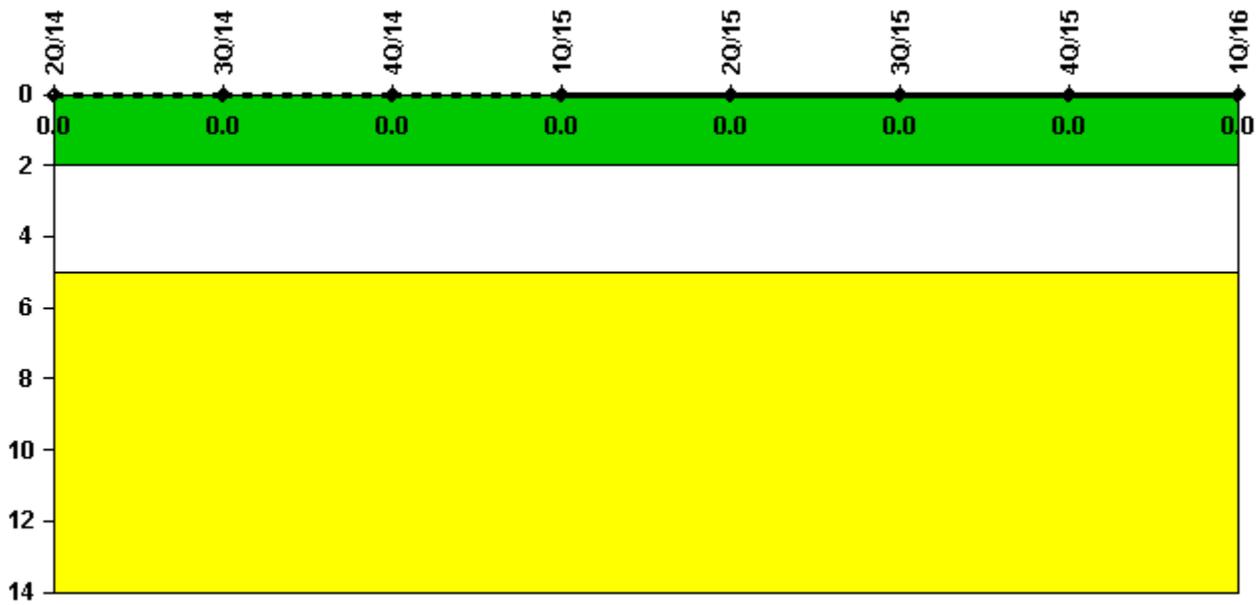
Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	224	256	256	256	222	256	256	254
Total sirens-tests	224	256	256	256	224	256	256	256
Indicator value	100.0%	100.0%	100.0%	100.0%	99.8%	99.8%	99.8%	99.6%

Licensee Comments:

2Q/14: Corrected 2Q14 data Successful siren-tests from 672 to 224 and Total siren-tests from 672 to 224 (CR 15-2575). This change did not affect the color of the indicator.

Occupational Exposure Control Effectiveness



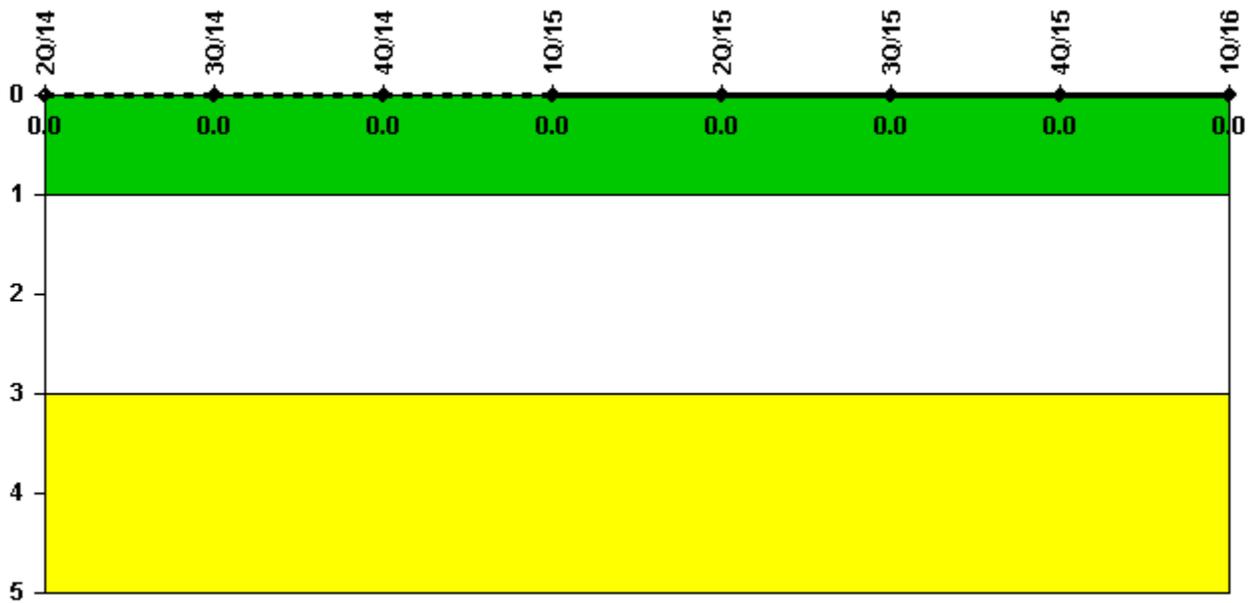
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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