

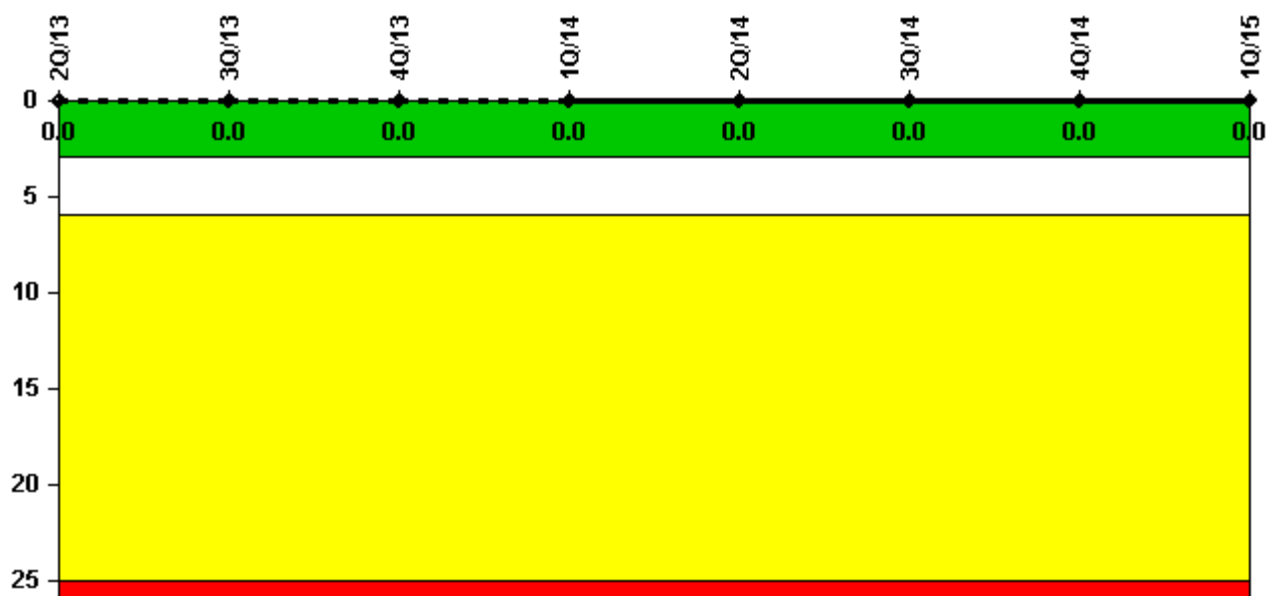
Diablo Canyon 1

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



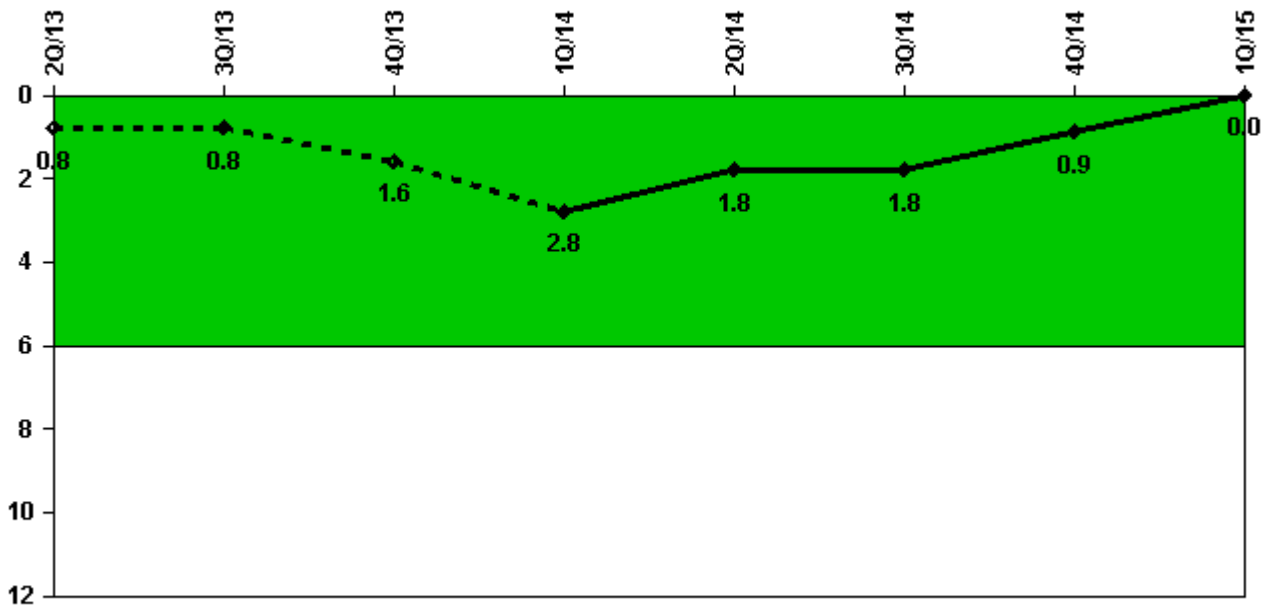
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2067.9	2183.5	2209.0	1166.1	2184.0	2208.0	2190.0	2081.4
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/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	1.0	0	1.0	1.0	0	0	0	0
Critical hours	2067.9	2183.5	2209.0	1166.1	2184.0	2208.0	2190.0	2081.4
Indicator value	0.8	0.8	1.6	2.8	1.8	1.8	0.9	0

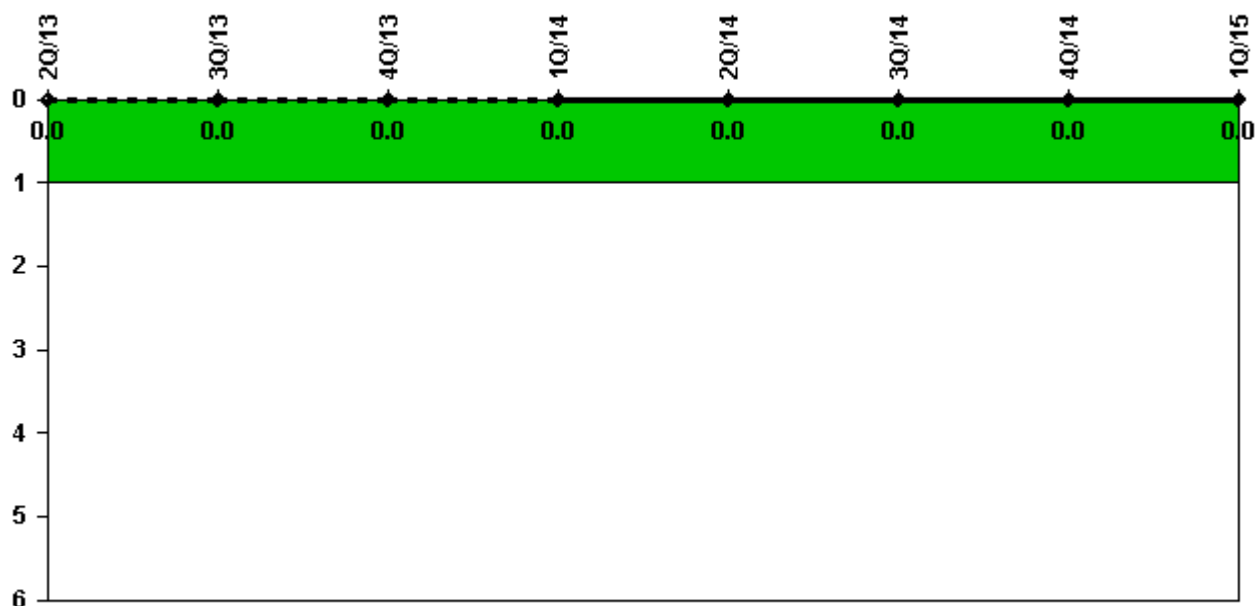
Licensee Comments:

1Q/14: Diablo Canyon Unit 1 was in a planned refueling outage (Unit 1 Refueling Outage Eighteen) from February 9 to March 13, 2014. On March 16, during power ascension from the outage, seal leak off on Reactor Coolant Pump 1-3 was greater than expected. Operators reduced power and performed a controlled shutdown per plant procedures on March 16, 2014 for a forced outage due to an excessive seal leak off. Repairs were completed on March 27 and operators ended the forced outage. Unit 1 reached full power on March 29, 2014.

4Q/13: On October 14, 2013, plant control systems automatically ramped Unit 1 to 50 percent power due to a trip of Main Feedwater Pump 1-1. Following repairs, Operators ramped the unit to back to full power on October 16, 2013. See DCL-13-117 (LER 1-2013-007-0) for additional information.

2Q/13: DCP Unit 1 had one unplanned power change in June 2013. Unit 1 was shut down to repair a socket weld for an RHR relief valve common to both RHR trains.

Unplanned Scrams with Complications



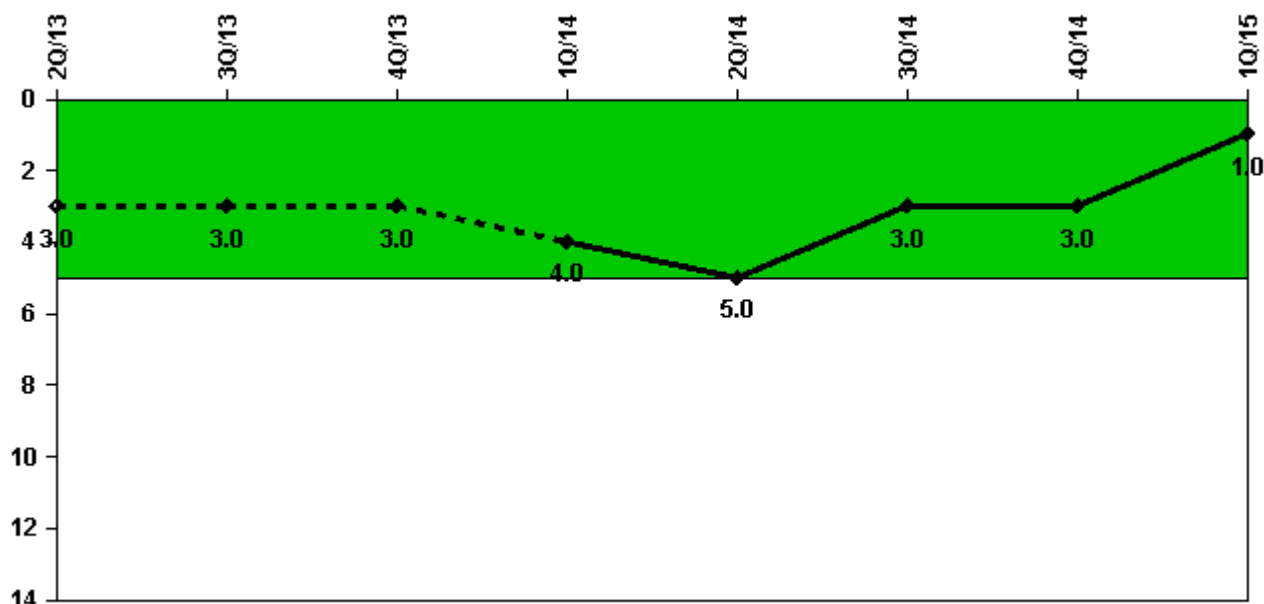
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/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)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	0	2	0	2	1	0	0	0
Indicator value	3	3	3	4	5	3	3	1

Licensee Comments:

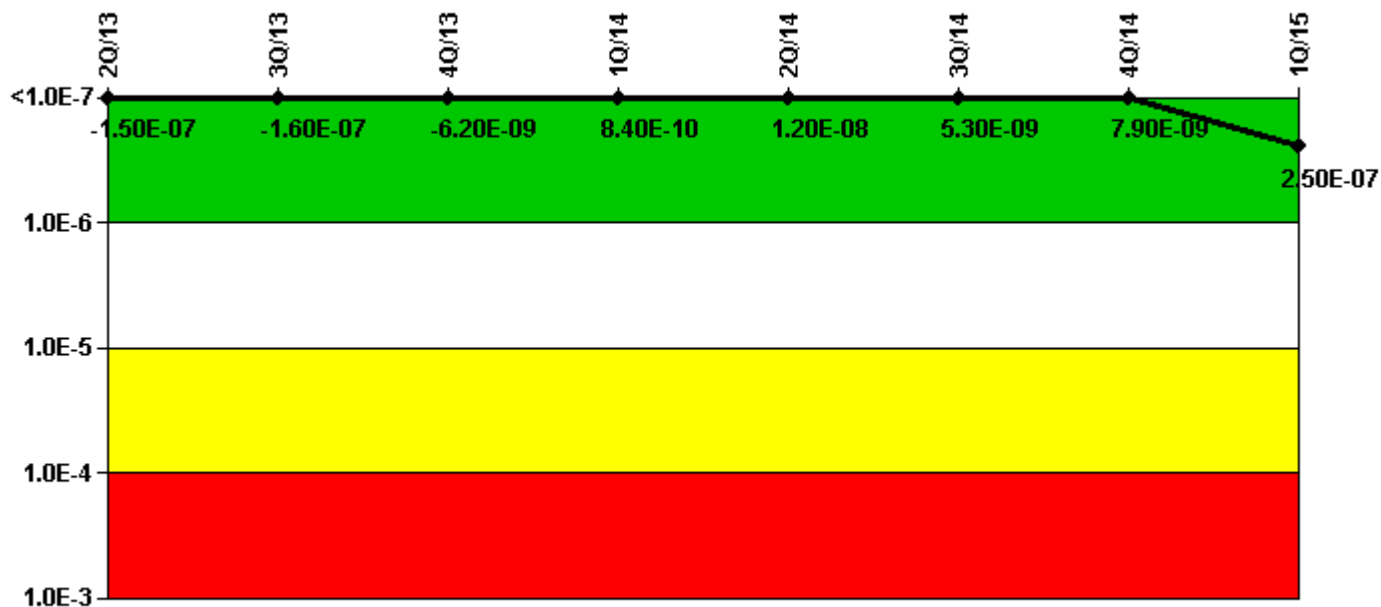
1Q/15: LER 1-2015-001-00 was submitted on 3/2/2015 per 50.73(a)(2)(v). An engineering evaluation determined that the RHR system would perform its specified safety function if a design basis event had occurred. Therefore, this is not a SSFF. (Ref 50680750-31)

2Q/14: LER 1-2014-003-00 reported an unanalyzed condition regarding diesel exhaust plenum inadequate protection from tornado missiles. This constitutes a safety system functional failure. A supplement to the LER will be provided. Reference SAPN 50639263.

1Q/14: DCPD submitted two LERs in February 2014 that count as SSFFs. Reference LERs 1-2013-009-00 and 1-2013-010-00.

3Q/13: LER 1-2013-005-00 was submitted on August 22, 2013 for both trains of the residual heat removal system inoperable due to a circumferential crack on a socket weld. LER 1-2013-004-00 was submitted on August 22, 2013 for all three Unit 1 EDGs Inoperable.

Mitigating Systems Performance Index, Emergency AC Power System



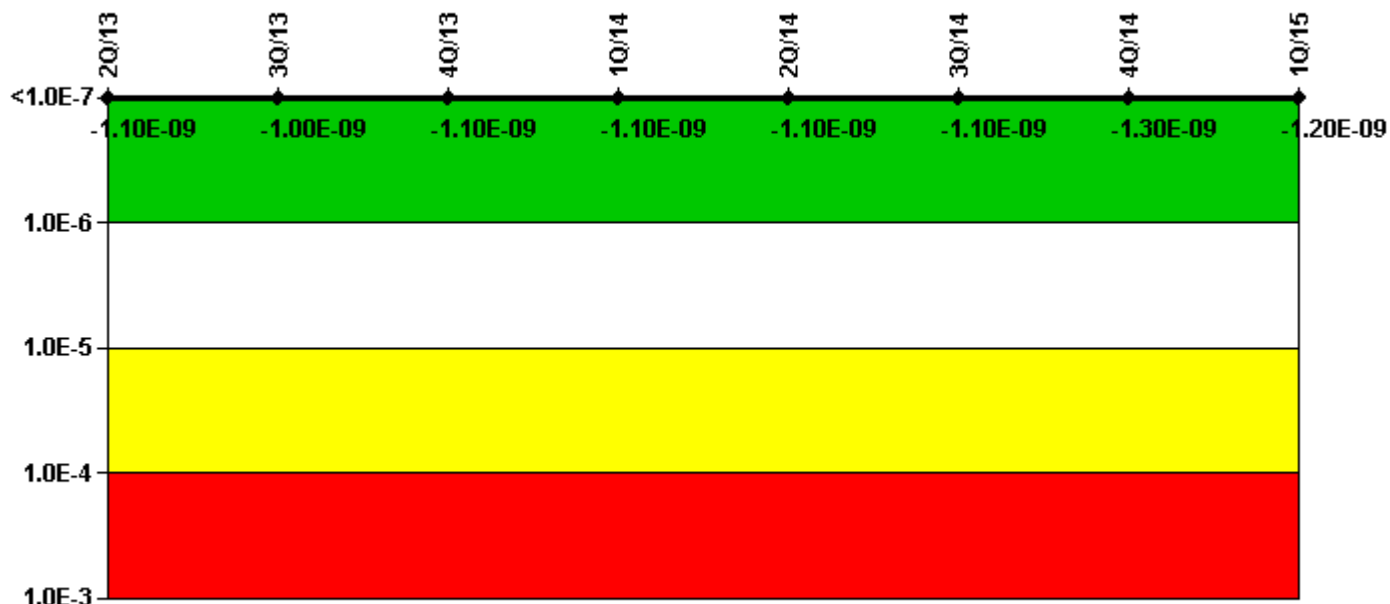
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	9.22E-09	1.18E-09	2.38E-08	2.72E-08	2.58E-08	1.52E-08	1.65E-08	5.45E-09
URI (Δ CDF)	-1.58E-07	-1.56E-07	-3.00E-08	-2.64E-08	-1.40E-08	-9.91E-09	-8.59E-09	2.41E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-1.60E-07	-6.20E-09	8.40E-10	1.20E-08	5.30E-09	7.90E-09	2.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



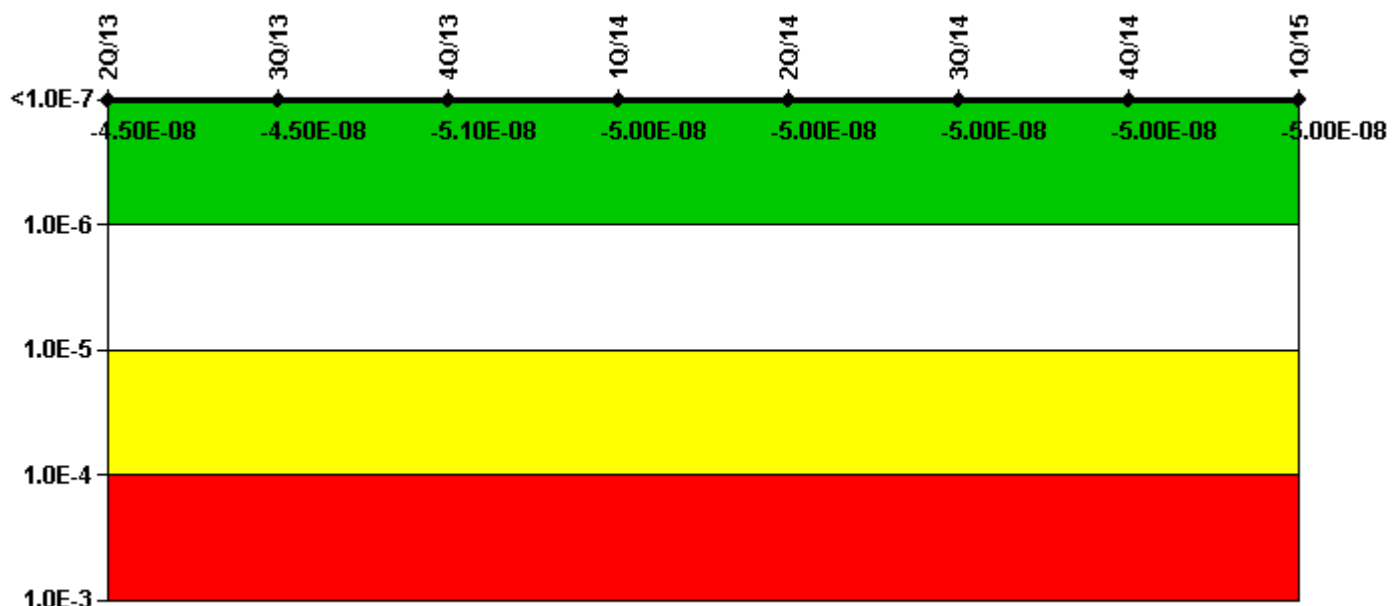
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	4.45E-11	8.61E-11	5.77E-11	3.94E-11	2.91E-11	6.69E-11	-1.42E-10	-4.03E-11
URI (Δ CDF)	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09	-1.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-09	-1.00E-09	-1.10E-09	-1.10E-09	-1.10E-09	-1.10E-09	-1.30E-09	-1.20E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



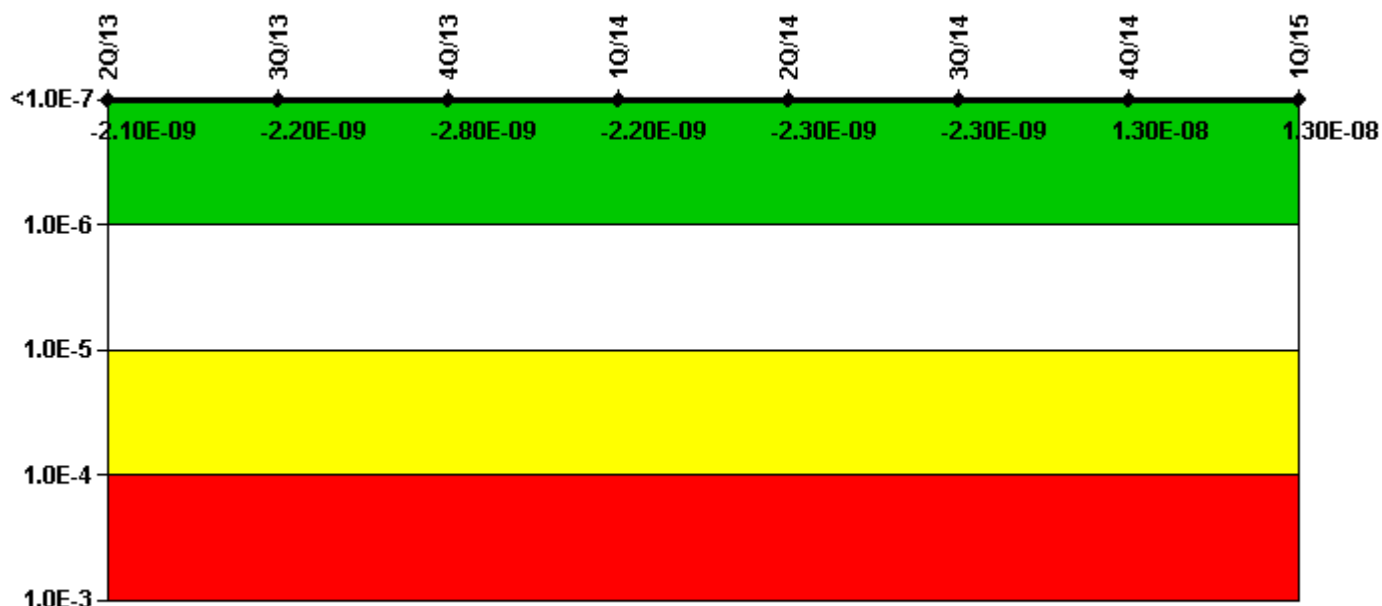
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	4.81E-09	4.83E-09	-7.78E-10	-2.90E-10	-2.90E-10	-2.90E-10	-2.80E-10	-2.28E-10
URI (Δ CDF)	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08	-4.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.50E-08	-4.50E-08	-5.10E-08	-5.00E-08	-5.00E-08	-5.00E-08	-5.00E-08	-5.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



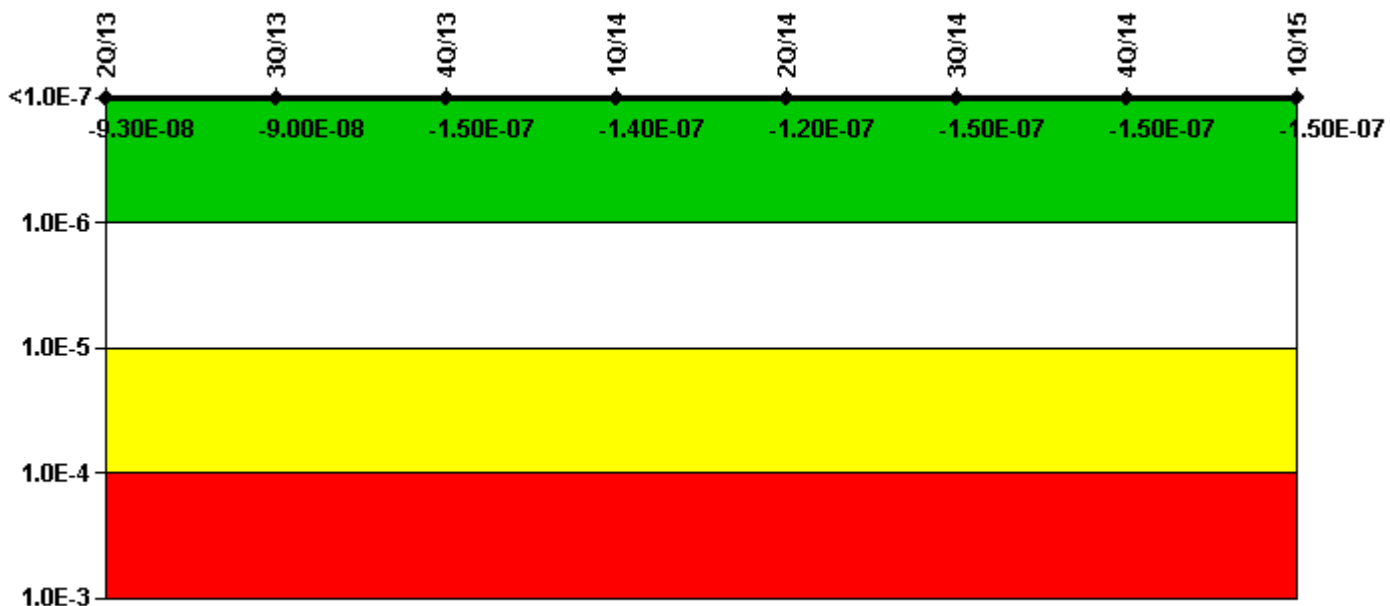
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	1.44E-08	1.44E-08	1.38E-08	1.44E-08	1.44E-08	1.44E-08	2.94E-08	2.95E-08
URI (ΔCDF)	-1.65E-08	-1.66E-08	-1.66E-08	-1.67E-08	-1.67E-08	-1.68E-08	-1.68E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.10E-09	-2.20E-09	-2.80E-09	-2.20E-09	-2.30E-09	-2.30E-09	1.30E-08	1.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



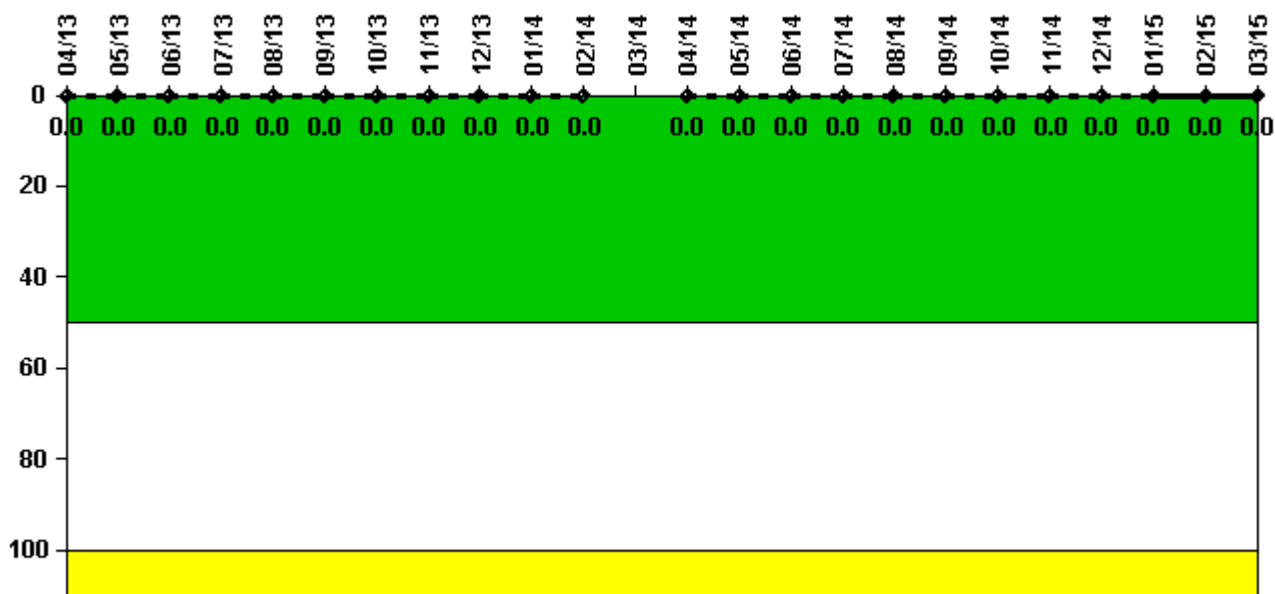
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	-4.07E-08	-3.79E-08	-1.01E-07	-8.72E-08	-6.45E-08	-1.00E-07	-9.40E-08	-1.02E-07
URI (ΔCDF)	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.30E-08	-9.00E-08	-1.50E-07	-1.40E-07	-1.20E-07	-1.50E-07	-1.50E-07	-1.50E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

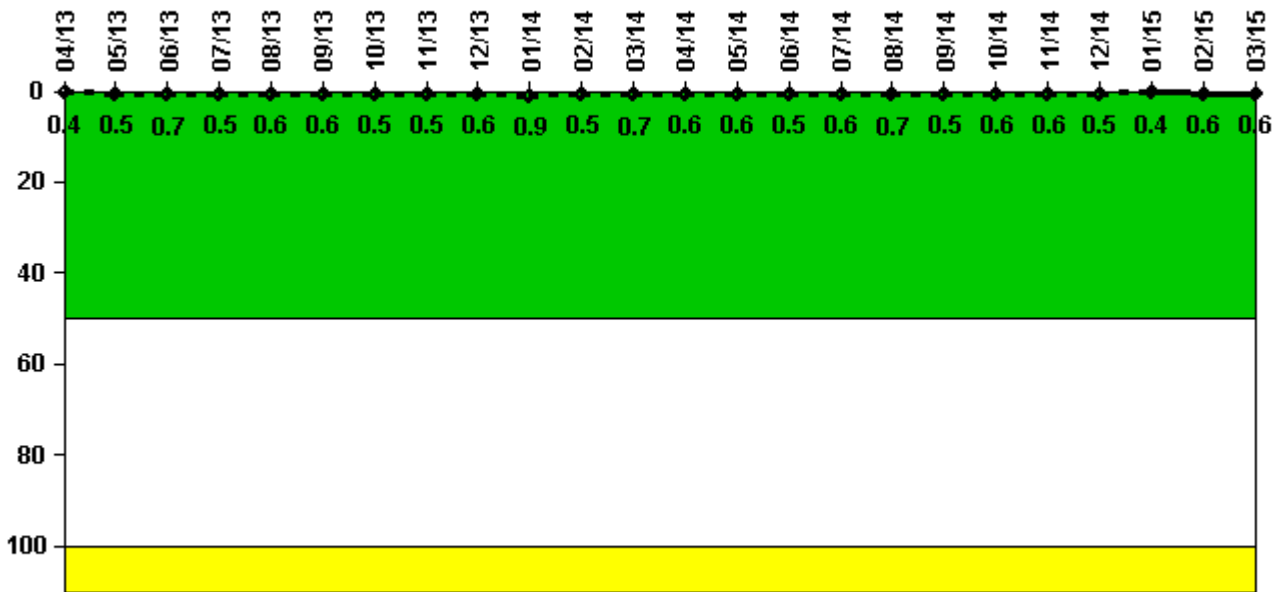
Notes

Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	0.000073	0.000070	0.000105	0.000117	0.000066	0.000075	0.000075	0.000080	0.000081	0.000081	0.000045	N/A
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	N/A

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	0.000030	0.000045	0.000047	0.000047	0.000038	0.000044	0.000045	0.000067	0.000048	0.000048	0.000047	0.000062
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



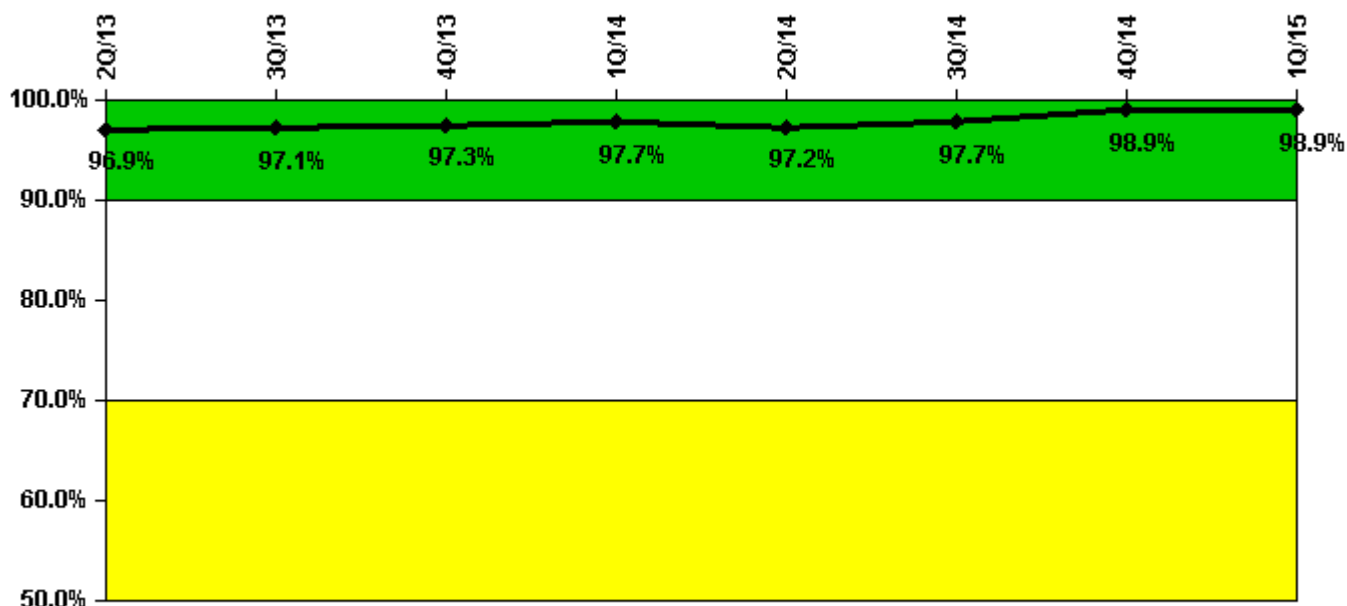
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.040	0.050	0.070	0.049	0.055	0.061	0.052	0.050	0.061	0.091	0.051	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	0.4	0.5	0.7	0.5	0.6	0.6	0.5	0.5	0.6	0.9	0.5	0.7
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	0.064	0.059	0.049	0.060	0.066	0.051	0.056	0.058	0.054	0.041	0.064	0.057
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	0.6	0.6	0.5	0.6	0.7	0.5	0.6	0.6	0.5	0.4	0.6	0.6

Licensee Comments: none

Drill/Exercise Performance



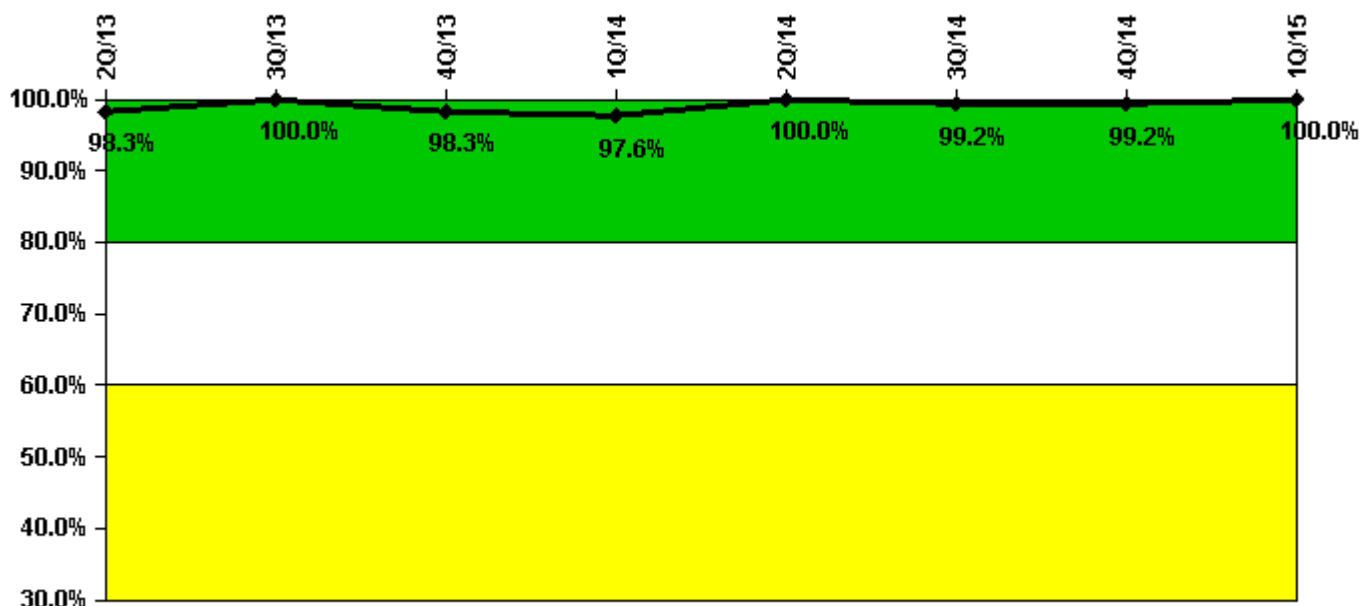
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful opportunities	37.0	29.0	42.0	19.0	64.0	33.0	26.0	30.0
Total opportunities	37.0	29.0	42.0	19.0	67.0	33.0	26.0	30.0
Indicator value	96.9%	97.1%	97.3%	97.7%	97.2%	97.7%	98.9%	98.9%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

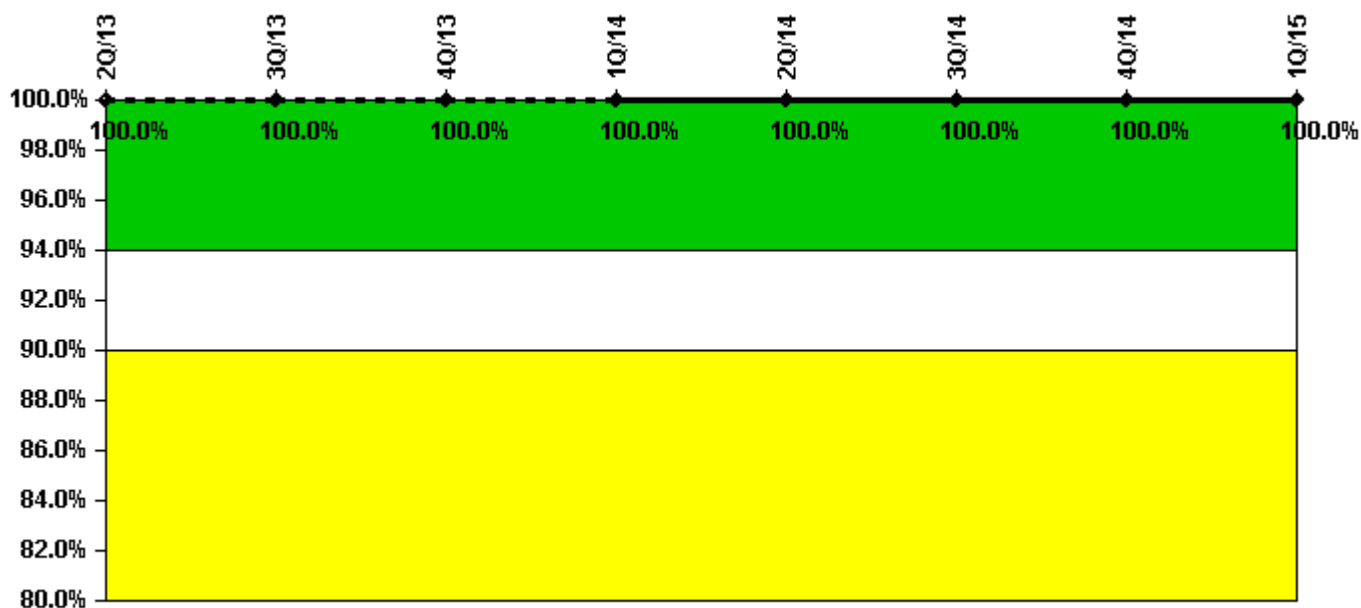
Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	119.0	115.0	118.0	120.0	117.0	120.0	118.0	120.0
Total Key personnel	121.0	115.0	120.0	123.0	117.0	121.0	119.0	120.0
Indicator value	98.3%	100.0%	98.3%	97.6%	100.0%	99.2%	99.2%	100.0%

Licensee Comments:

3Q/13: Total Key ERO personnel adjusted due to mis-calculation.

Alert & Notification System



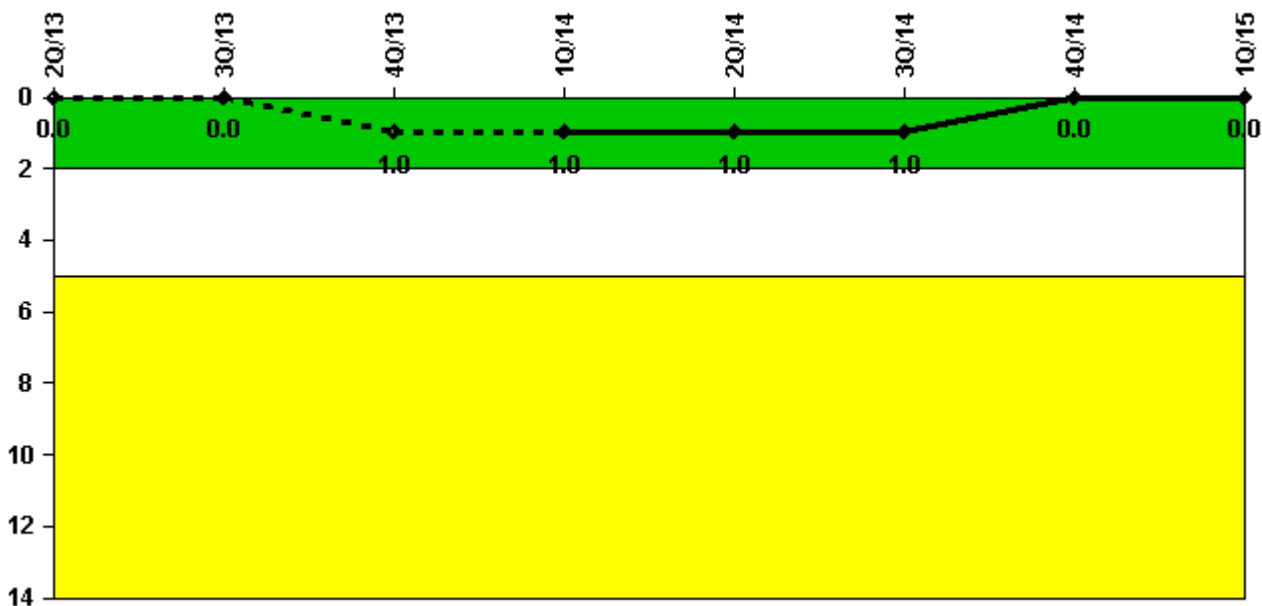
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	917	1310	1048	917	917	1310	1048	917
Total sirens-tests	917	1310	1048	917	917	1310	1048	917
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



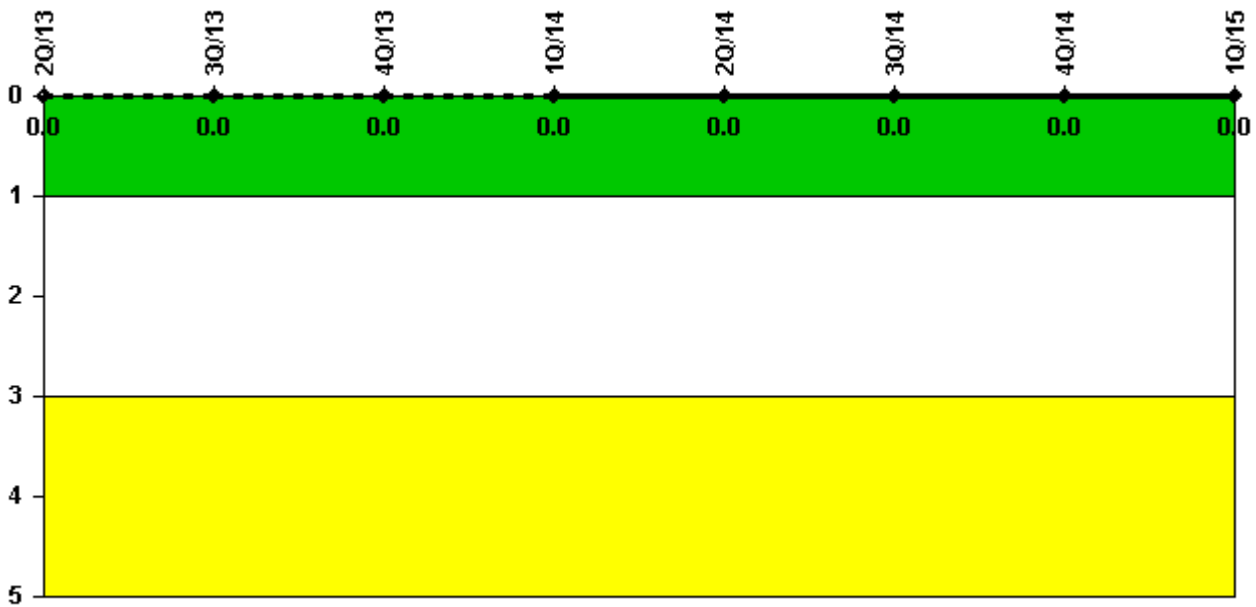
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/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	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/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: April 23, 2015