

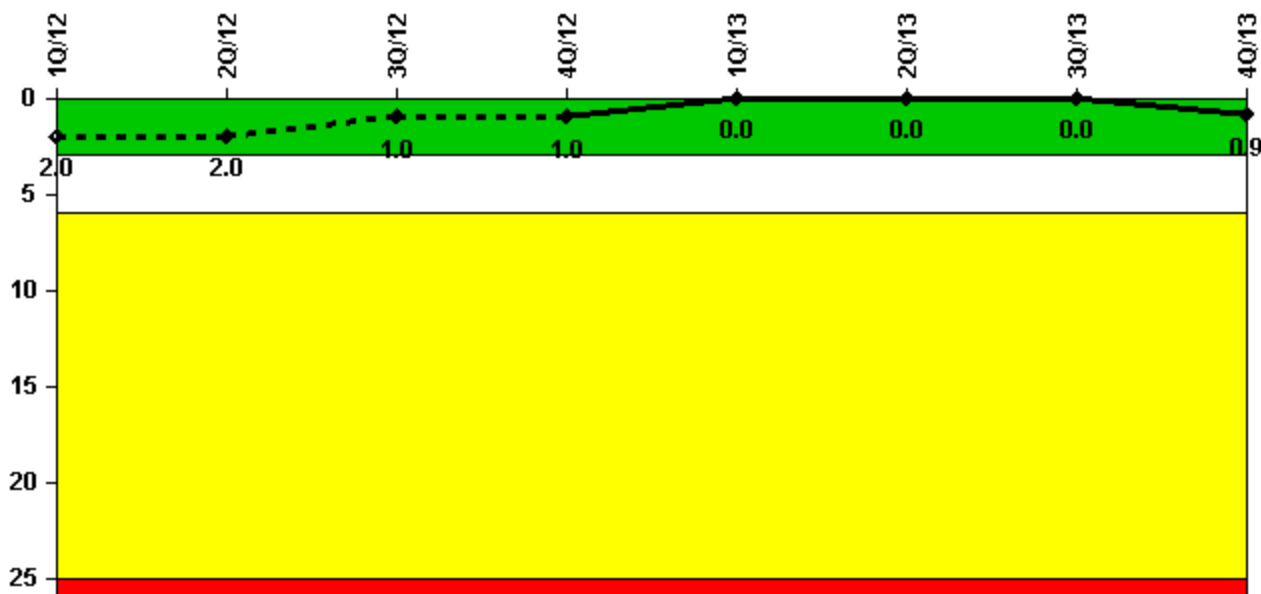
Robinson 2

4Q/2013 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

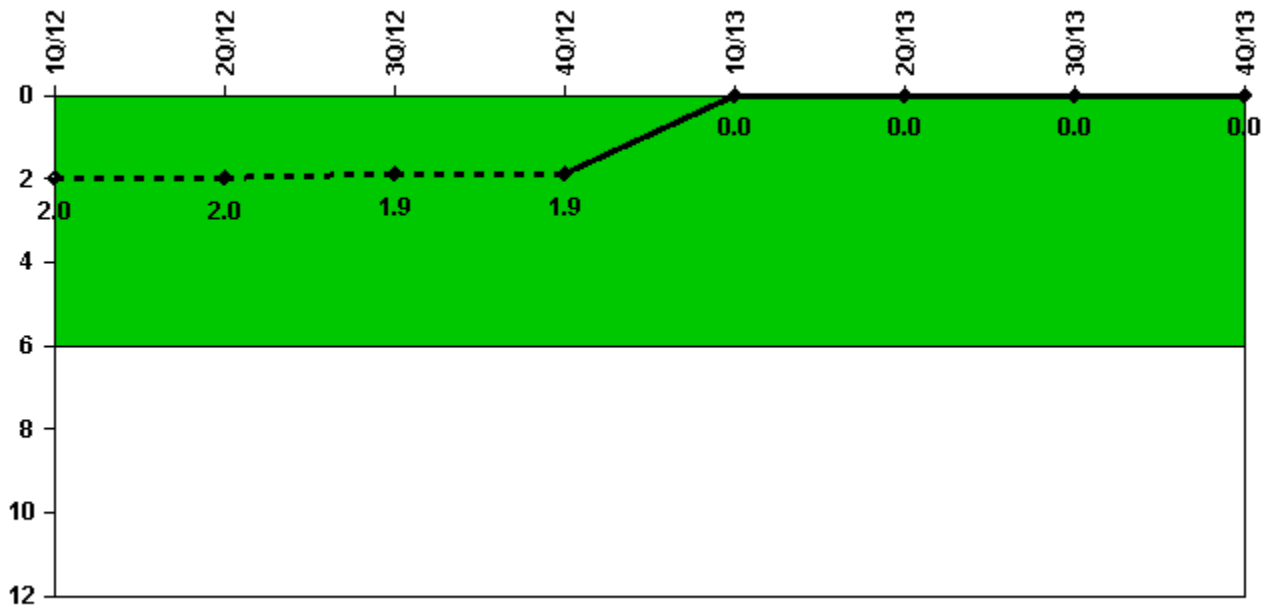
Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	1.0	0	0	0	0	0	0	1.0
Critical hours	622.9	2184.0	2208.0	2209.0	2159.0	2184.0	1804.3	1321.7
Indicator value	2.0	2.0	1.0	1.0	0	0	0	0.9

Licensee Comments:

3Q/13: None

3Q/13: None

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

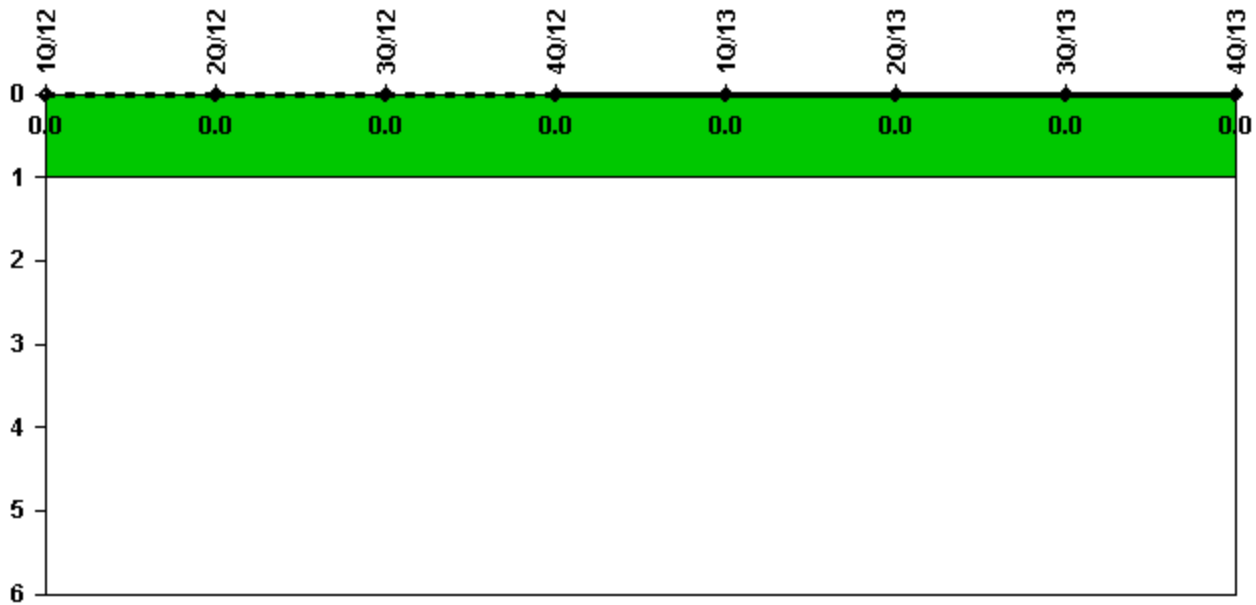
Unplanned Power Changes per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	2.0	0	0	0	0	0	0	0
Critical hours	622.9	2184.0	2208.0	2209.0	2159.0	2184.0	1804.3	1321.7
Indicator value	2.0	2.0	1.9	1.9	0	0	0	0

Licensee Comments:

3Q/13: None

3Q/13: None

Unplanned Scrams with Complications



Thresholds: White > 1.0

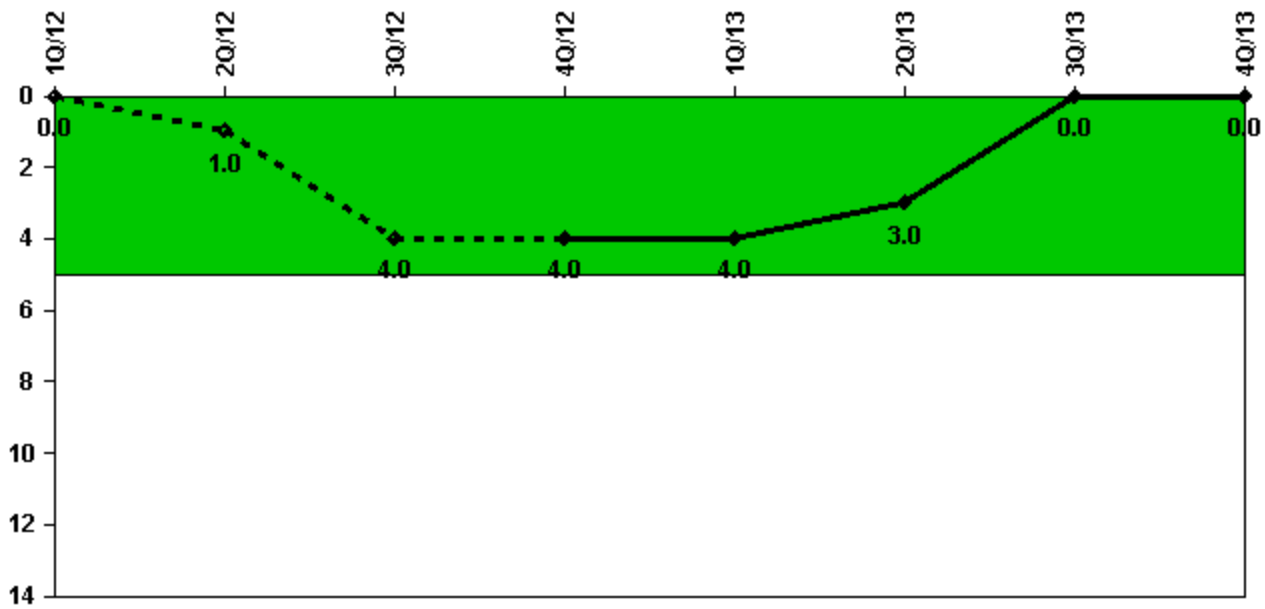
Notes

Unplanned Scrams with Complications	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
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:

3Q/13: None

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

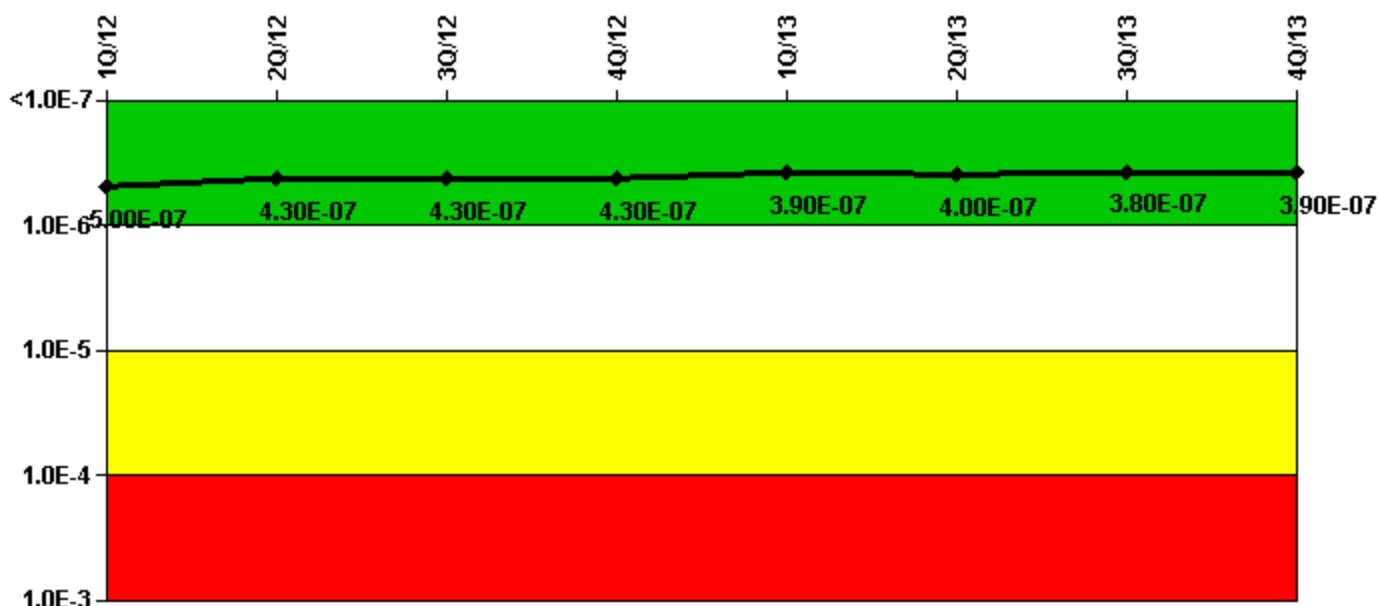
Safety System Functional Failures (PWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	0	1	3	0	0	0	0	0
Indicator value	0	1	4	4	4	3	0	0

Licensee Comments:

3Q/13: None

2Q/12: Refueling Water Storage Tank Ailgned to Non-seismic Purification Loop. LER 2012-002

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

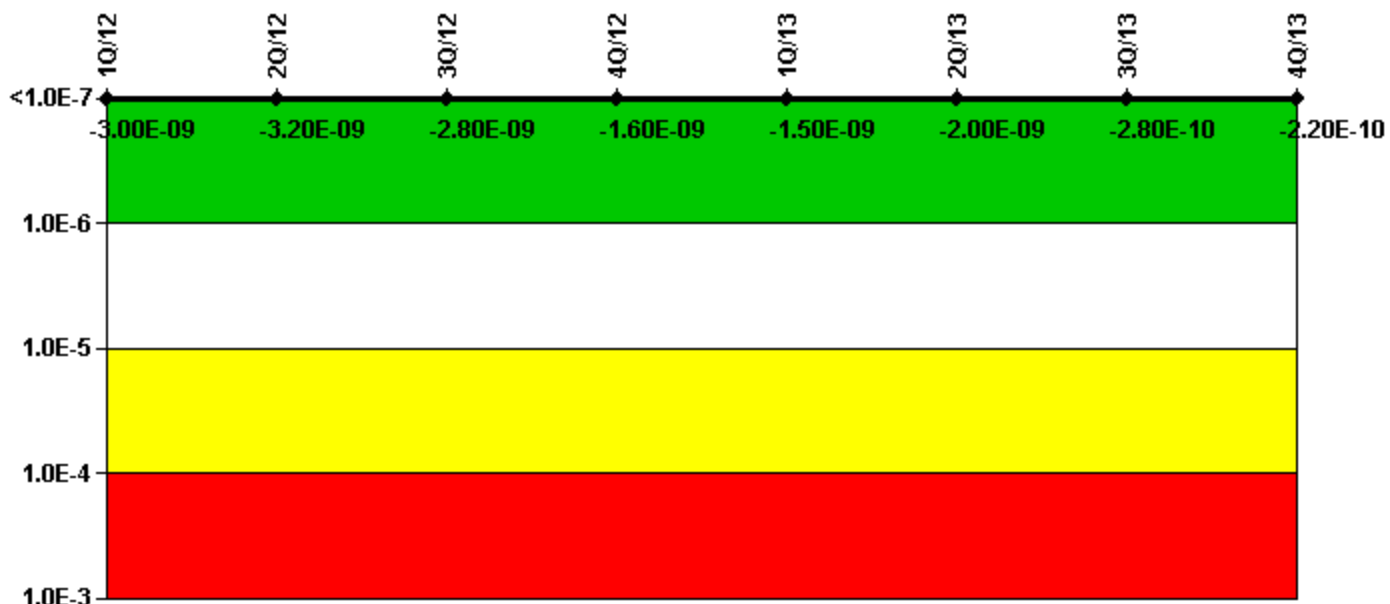
Mitigating Systems Performance Index, Emergency AC Power System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (ΔCDF)	8.37E-08	1.08E-07	1.02E-07	9.09E-08	1.01E-07	9.56E-08	6.49E-08	6.19E-08
URI (ΔCDF)	4.18E-07	3.20E-07	3.29E-07	3.39E-07	2.88E-07	3.02E-07	3.16E-07	3.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.00E-07	4.30E-07	4.30E-07	4.30E-07	3.90E-07	4.00E-07	3.80E-07	3.90E-07

Licensee Comments:

3Q/13: None

3Q/13: None

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

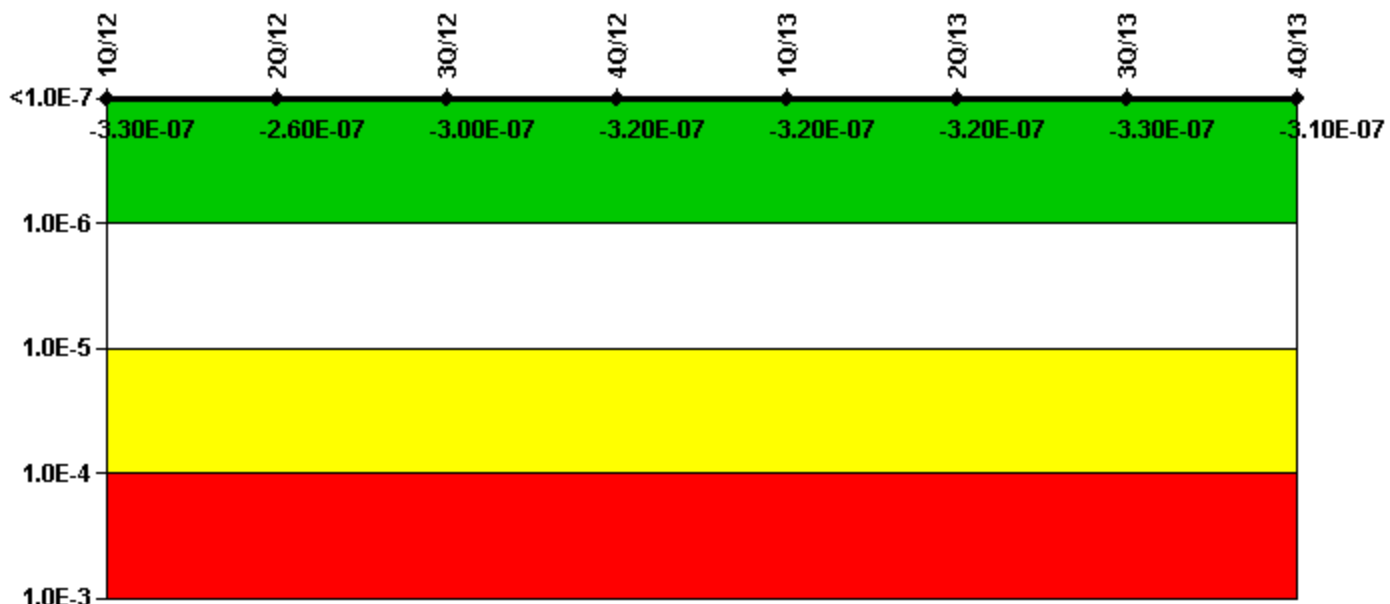
Mitigating Systems Performance Index, High Pressure Injection System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	2.12E-09	2.00E-09	2.33E-09	3.51E-09	3.55E-09	3.13E-09	4.80E-09	4.86E-09
URI (Δ CDF)	-5.16E-09	-5.16E-09	-5.16E-09	-5.16E-09	-5.08E-09	-5.08E-09	-5.08E-09	-5.08E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.00E-09	-3.20E-09	-2.80E-09	-1.60E-09	-1.50E-09	-2.00E-09	-2.80E-10	-2.20E-10

Licensee Comments:

3Q/13: None

3Q/13: None

Mitigating Systems Performance Index, Heat Removal System



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

Notes

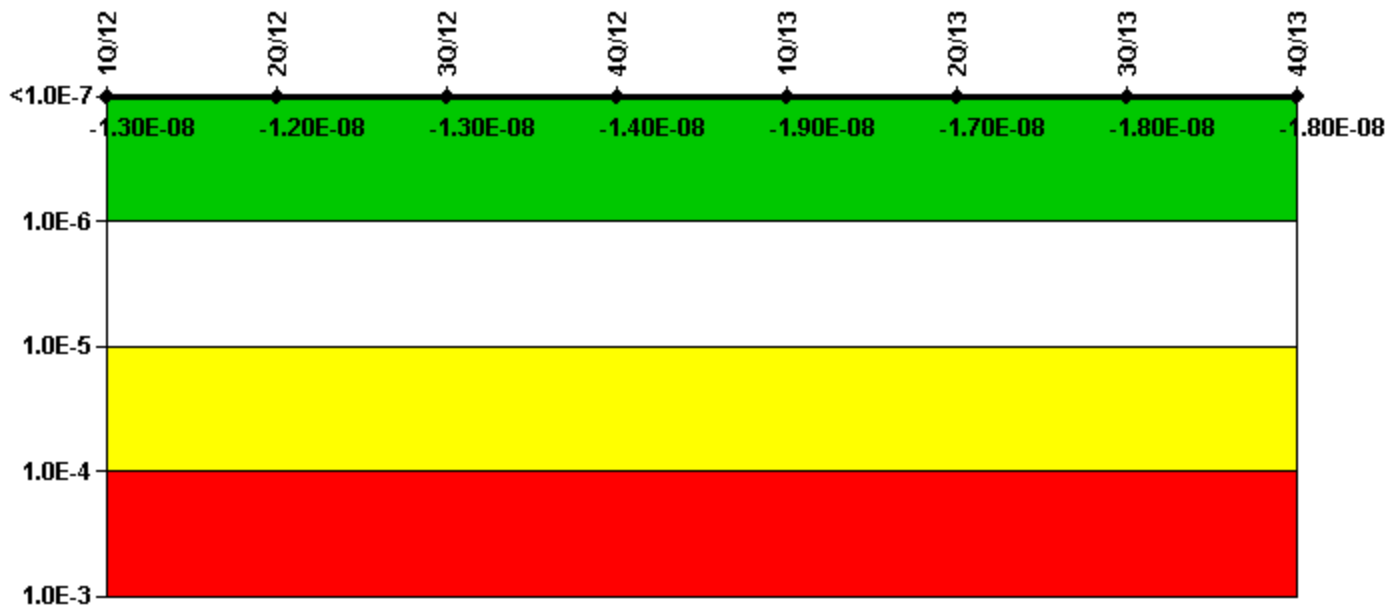
Mitigating Systems Performance Index, Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	-8.10E-09	7.04E-08	2.89E-08	-9.69E-10	6.61E-10	1.69E-09	-1.41E-08	8.81E-09
URI (Δ CDF)	-3.25E-07	-3.25E-07	-3.25E-07	-3.23E-07	-3.20E-07	-3.20E-07	-3.17E-07	-3.19E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.30E-07	-2.60E-07	-3.00E-07	-3.20E-07	-3.20E-07	-3.20E-07	-3.30E-07	-3.10E-07

Licensee Comments:

3Q/13: None

3Q/13: None

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

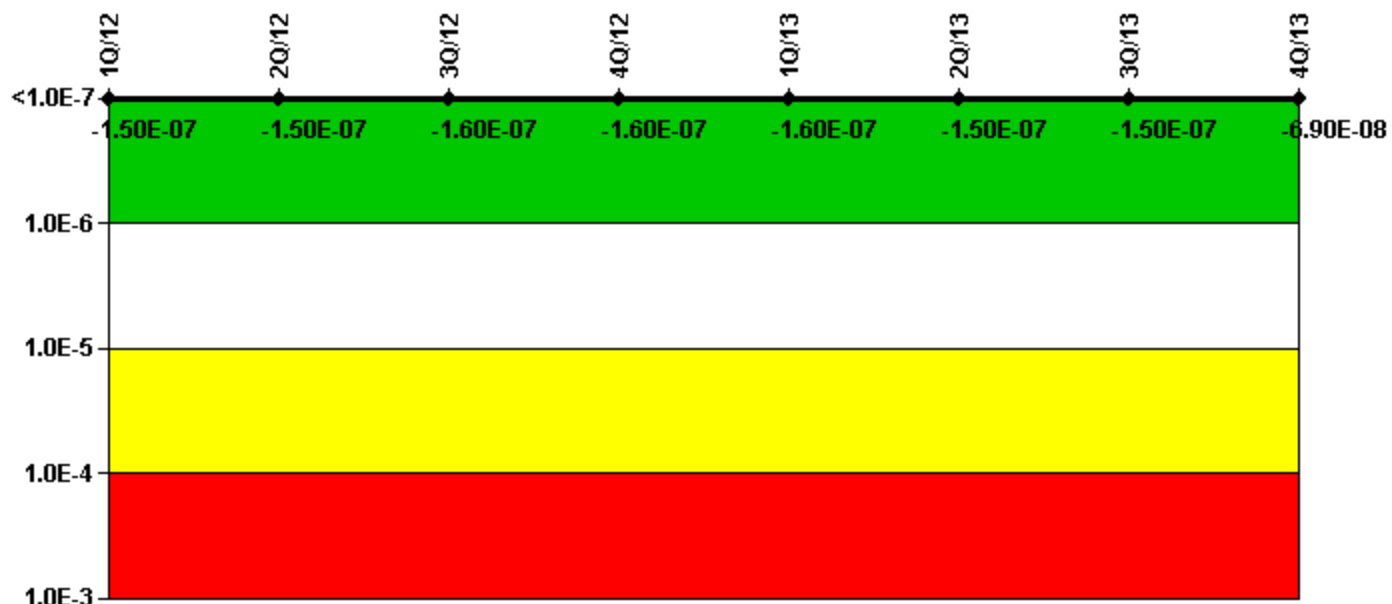
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	5.85E-09	6.19E-09	5.69E-09	4.60E-09	-3.72E-10	1.59E-09	4.70E-10	9.65E-10
URI (Δ CDF)	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-08	-1.20E-08	-1.30E-08	-1.40E-08	-1.90E-08	-1.70E-08	-1.80E-08	-1.80E-08

Licensee Comments:

3Q/13: None

3Q/13: None

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

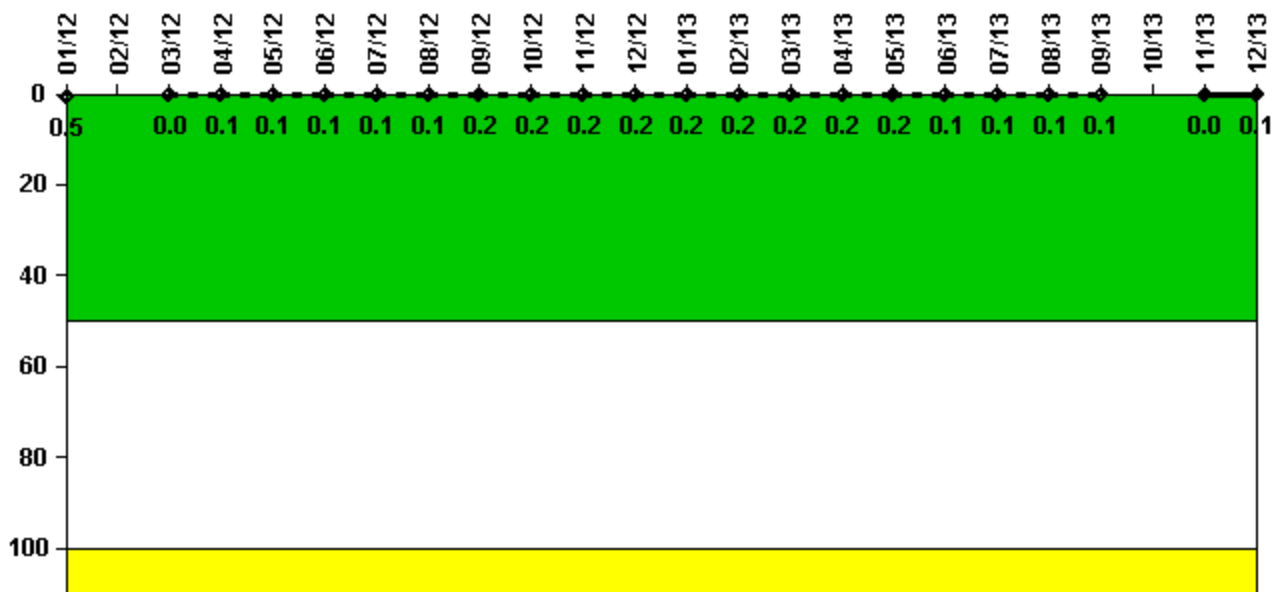
Mitigating Systems Performance Index, Cooling Water Systems	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	3.29E-08	2.87E-08	2.33E-08	2.18E-08	2.46E-08	3.10E-08	3.61E-08	3.60E-08
URI (Δ CDF)	-1.82E-07	-1.82E-07	-1.82E-07	-1.82E-07	-1.82E-07	-1.82E-07	-1.82E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-1.50E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.50E-07	-1.50E-07	-6.90E-08

Licensee Comments:

3Q/13: None

3Q/13: None

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

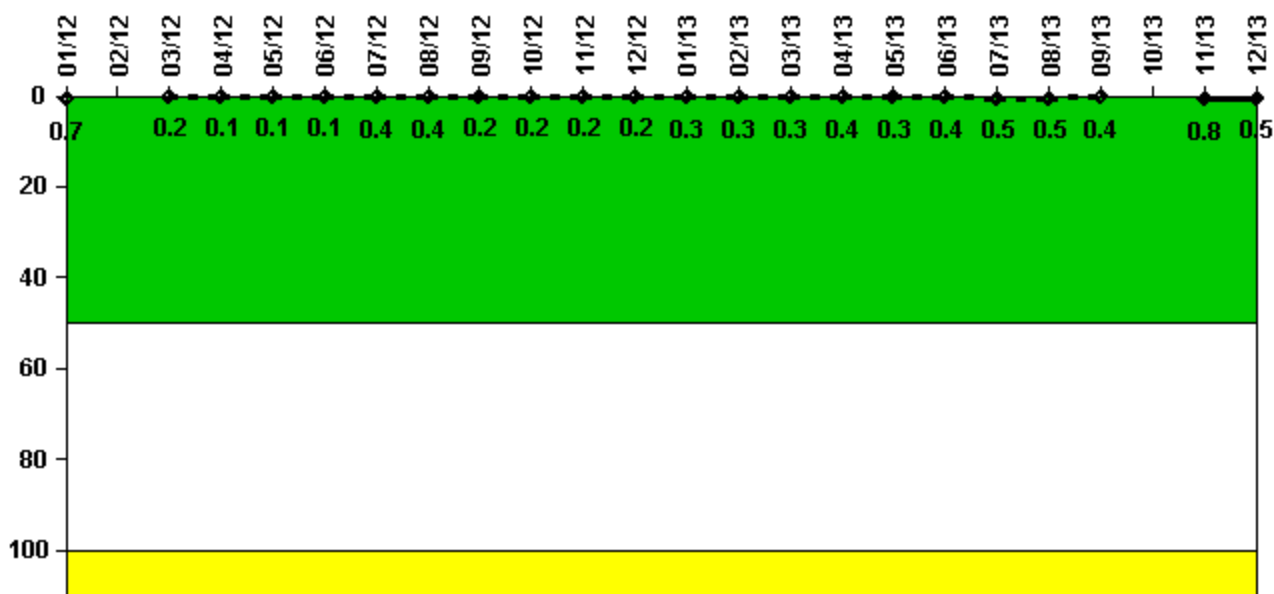
Reactor Coolant System Activity	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum activity	0.001257	N/A	0.000109	0.000328	0.000329	0.000343	0.000366	0.000373	0.000375	0.000388	0.000393	0.000418
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	0.5	N/A	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2

Reactor Coolant System Activity	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum activity	0.000422	0.000447	0.000469	0.000482	0.000492	0.000330	0.000331	0.000339	0.000329	N/A	0.000109	0.000328
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	N/A	0	0.1

Licensee Comments:

9/13: None

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

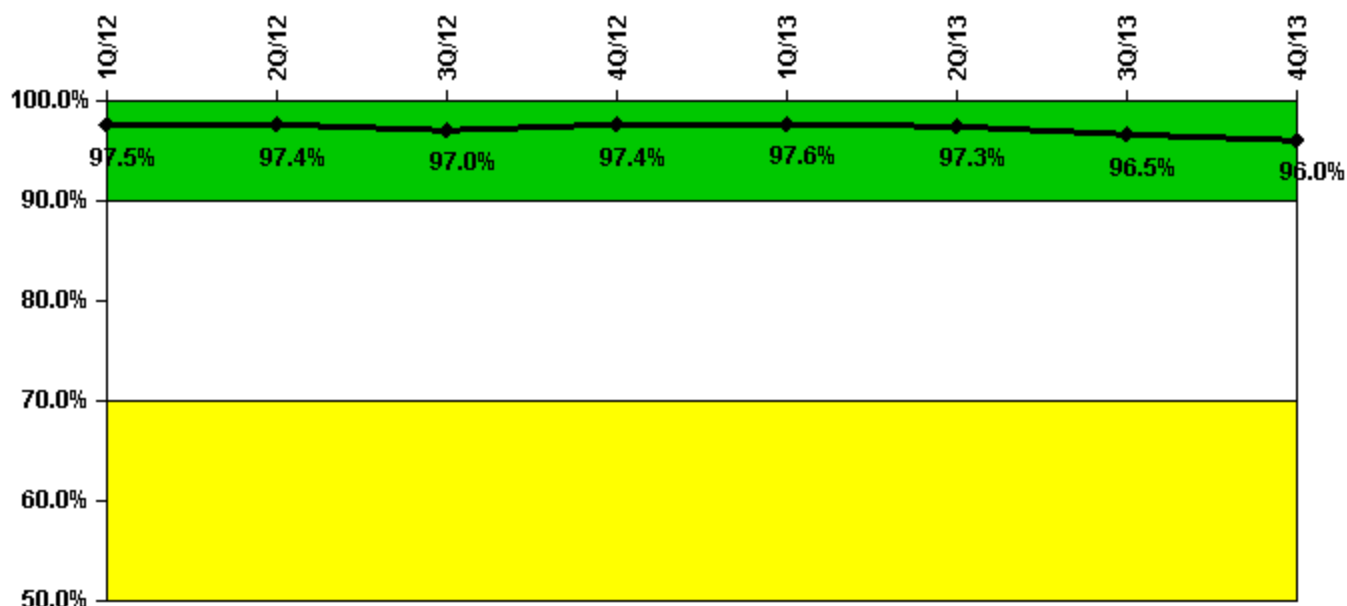
Notes

Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	0.070	N/A	0.020	0.010	0.010	0.010	0.040	0.040	0.020	0.020	0.020	0.020
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	0.7	N/A	0.2	0.1	0.1	0.1	0.4	0.4	0.2	0.2	0.2	0.2
Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	0.030	0.030	0.030	0.040	0.030	0.040	0.050	0.050	0.040	N/A	0.080	0.050
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	0.4	0.3	0.4	0.5	0.5	0.4	N/A	0.8	0.5

Licensee Comments:

9/13: None

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

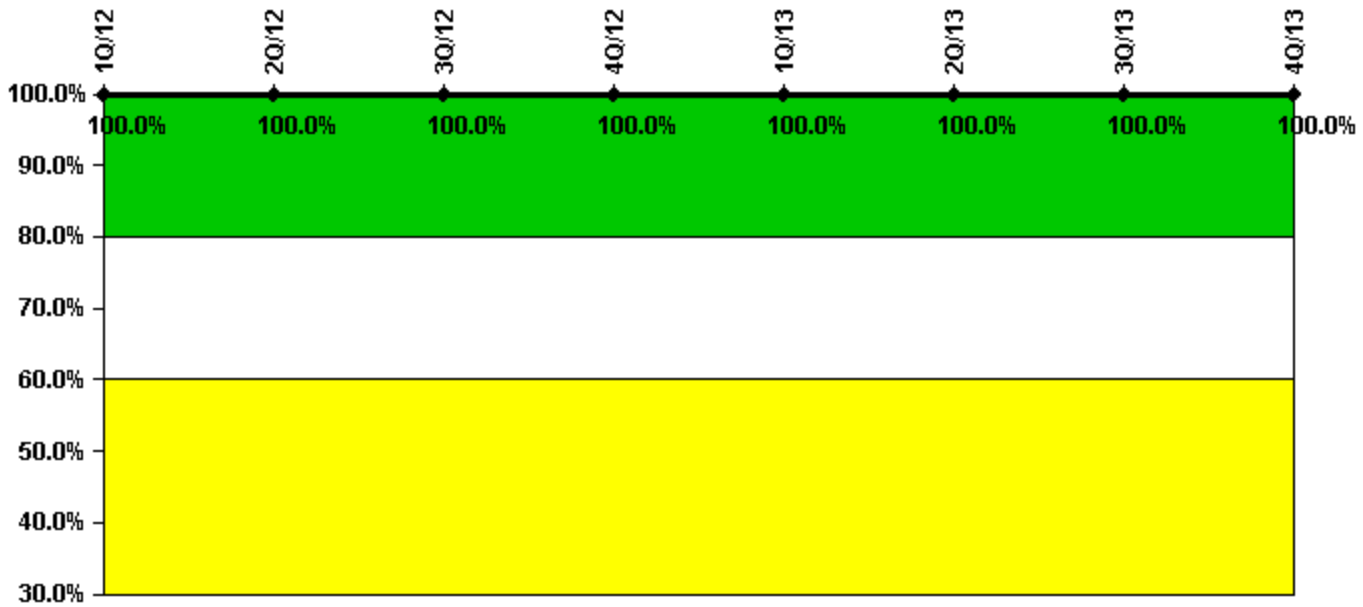
Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	5.0	34.0	55.0	19.0	56.0	37.0	23.0	35.0
Total opportunities	5.0	35.0	57.0	19.0	57.0	40.0	25.0	37.0
Indicator value	97.5%	97.4%	97.0%	97.4%	97.6%	97.3%	96.5%	96.0%

Licensee Comments:

3Q/13: None

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

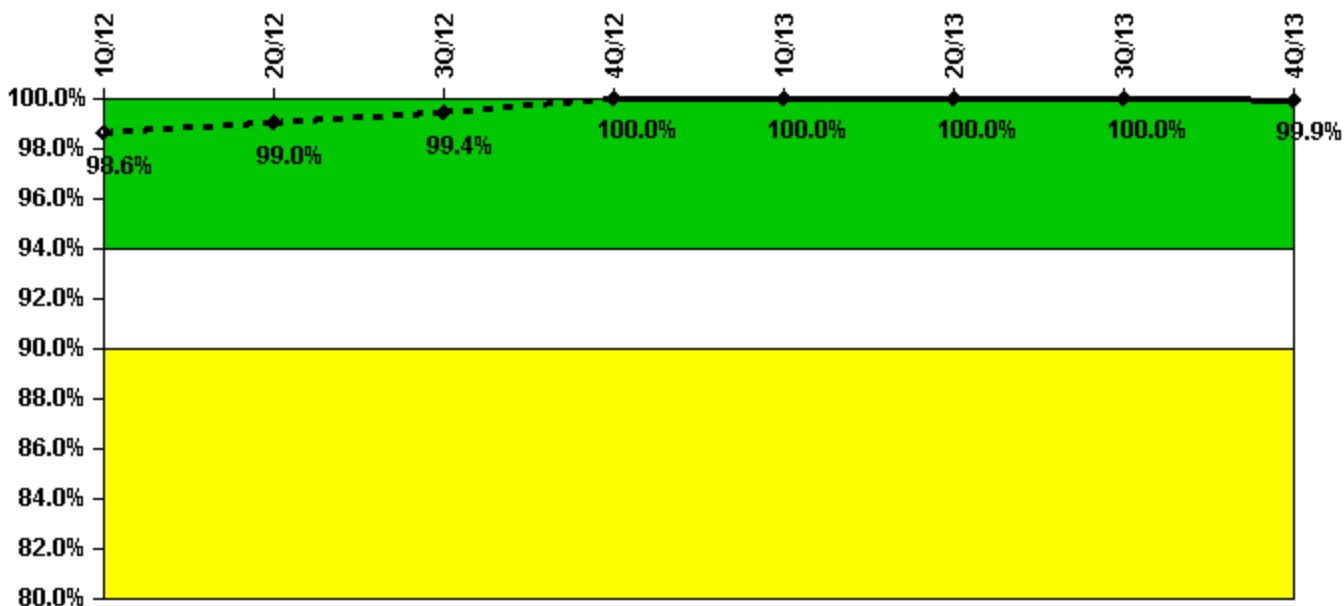
Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	46.0	50.0	53.0	56.0	52.0	53.0	52.0	52.0
Total Key personnel	46.0	50.0	53.0	56.0	52.0	53.0	52.0	52.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

3Q/13: None

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

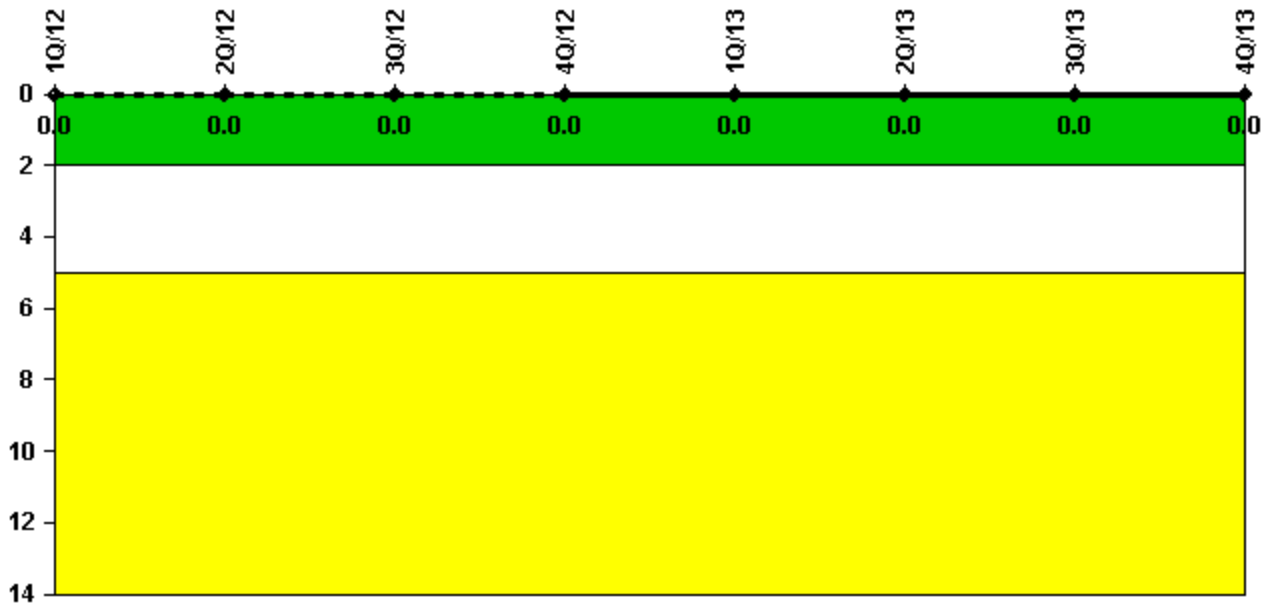
Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	825	826	826	944	766	826	885	884
Total sirens-tests	826	826	826	944	767	826	885	885
Indicator value	98.6%	99.0%	99.4%	100.0%	100.0%	100.0%	100.0%	99.9%

Licensee Comments:

3Q/13: None

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

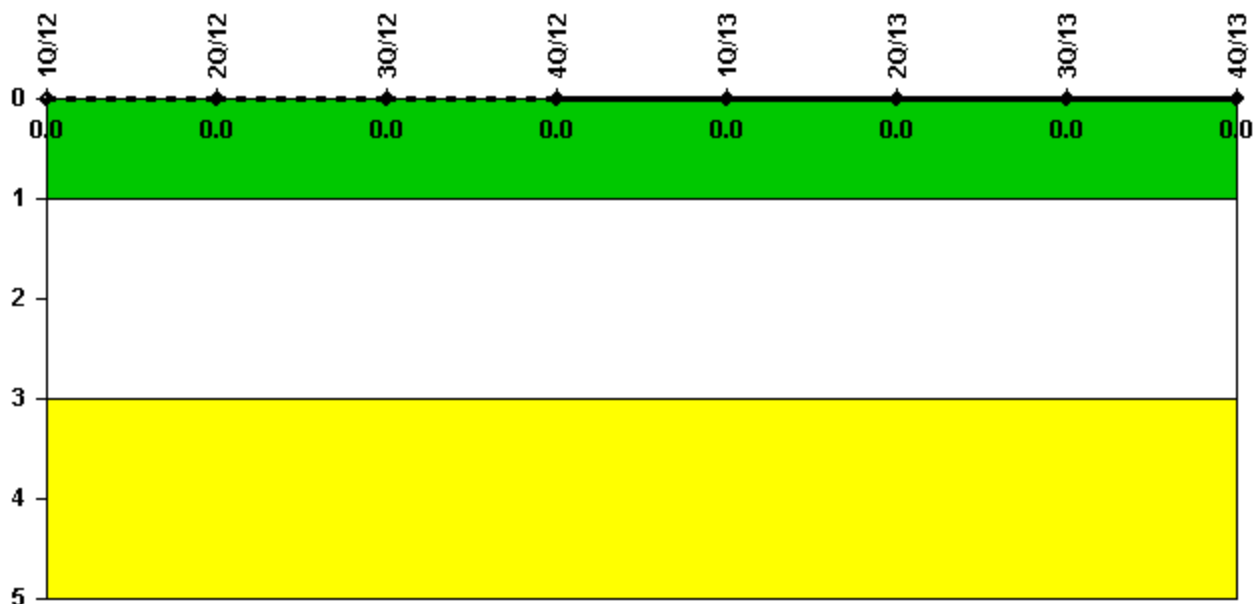
Notes

Occupational Exposure Control Effectiveness	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
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:

3Q/13: None

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

3Q/13: 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: January 22, 2014