

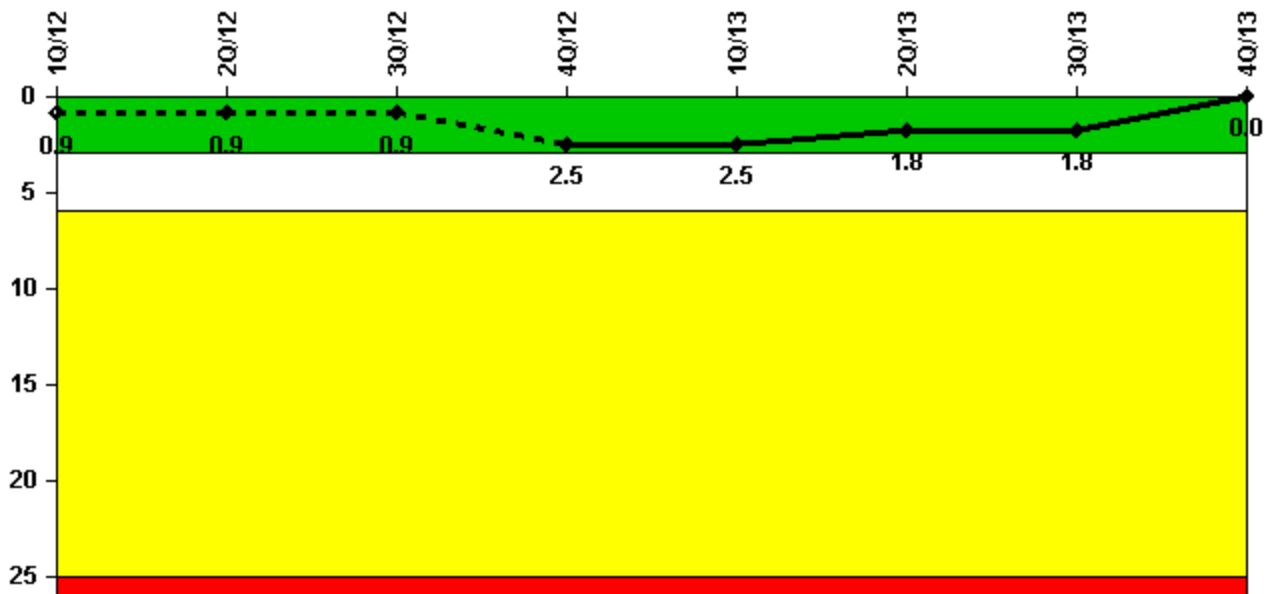
Salem 1

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



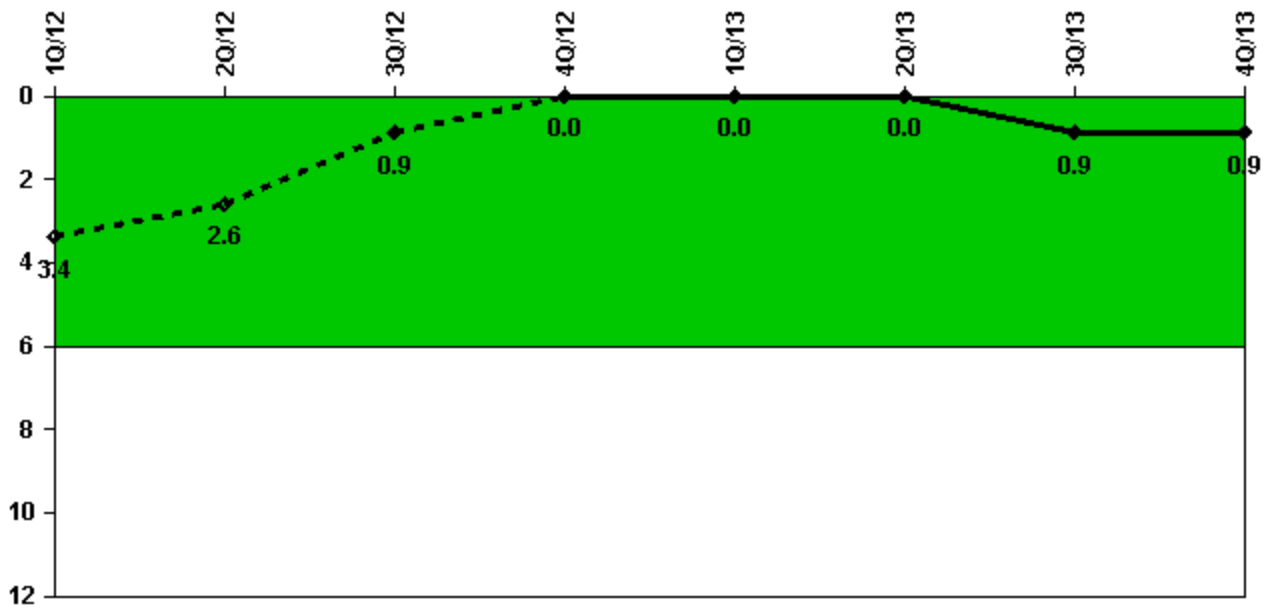
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	1.0	0	2.0	0	0	0	0
Critical hours	2183.0	2028.3	2208.0	2116.5	2159.0	1281.6	2173.5	2209.0
Indicator value	0.9	0.9	0.9	2.5	2.5	1.8	1.8	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



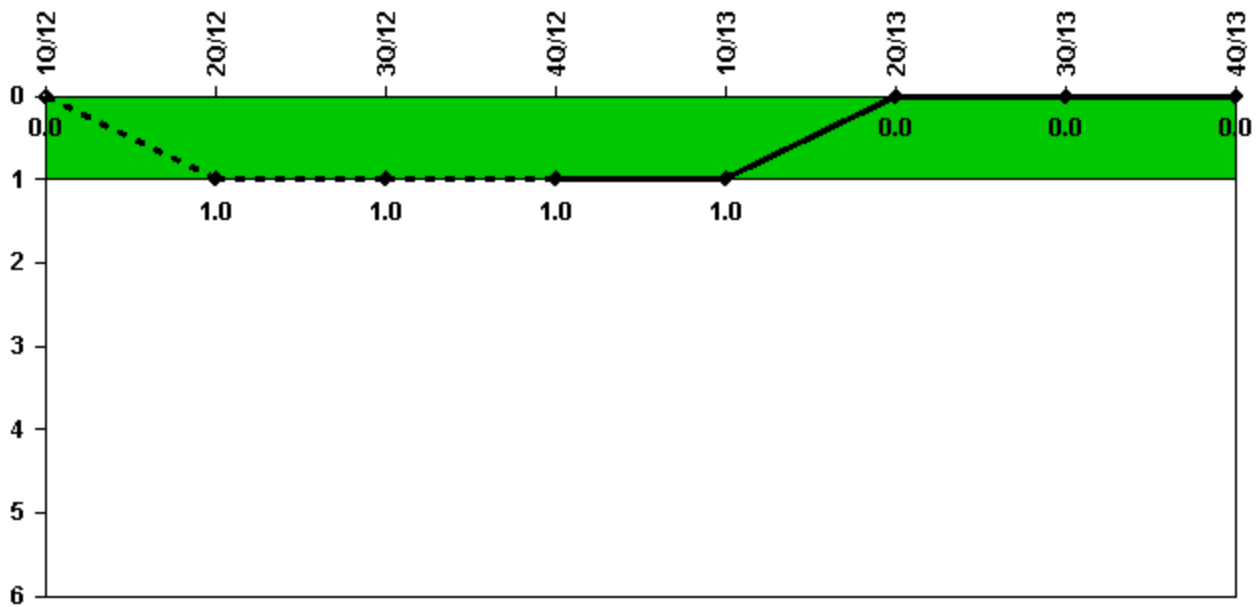
Thresholds: White > 6.0

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	0	0	0	0	0	0	1.0	0
Critical hours	2183.0	2028.3	2208.0	2116.5	2159.0	1281.6	2173.5	2209.0
Indicator value	3.4	2.6	0.9	0	0	0	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



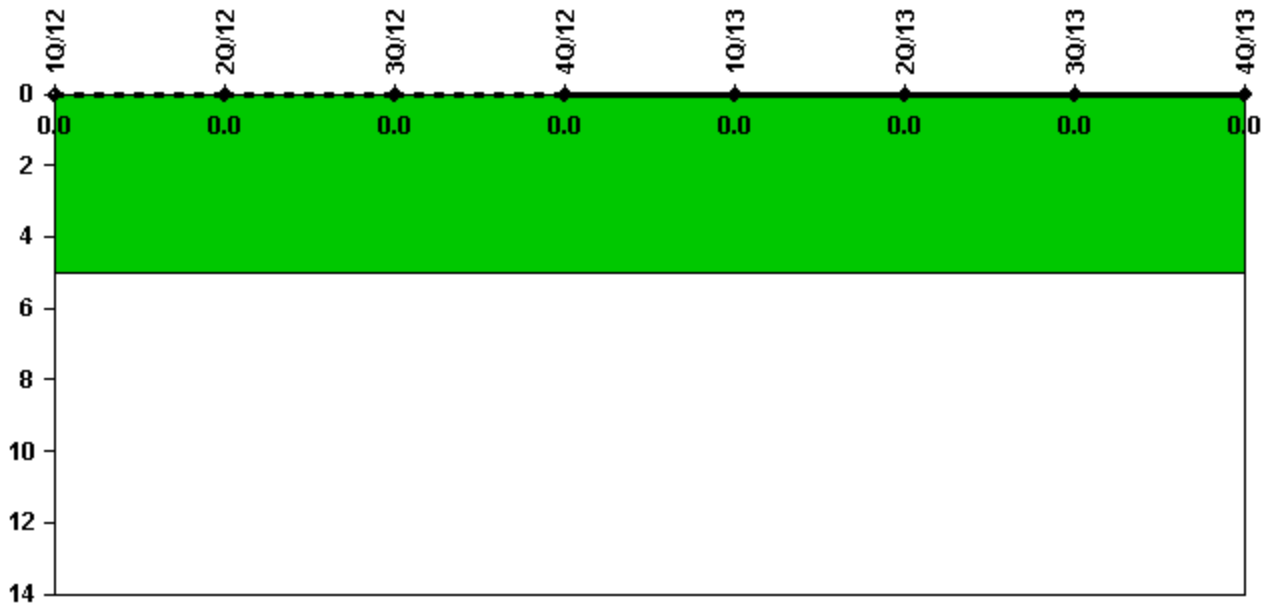
Thresholds: White > 1.0

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	1.0	0	0	0	0	0	0
Indicator value	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



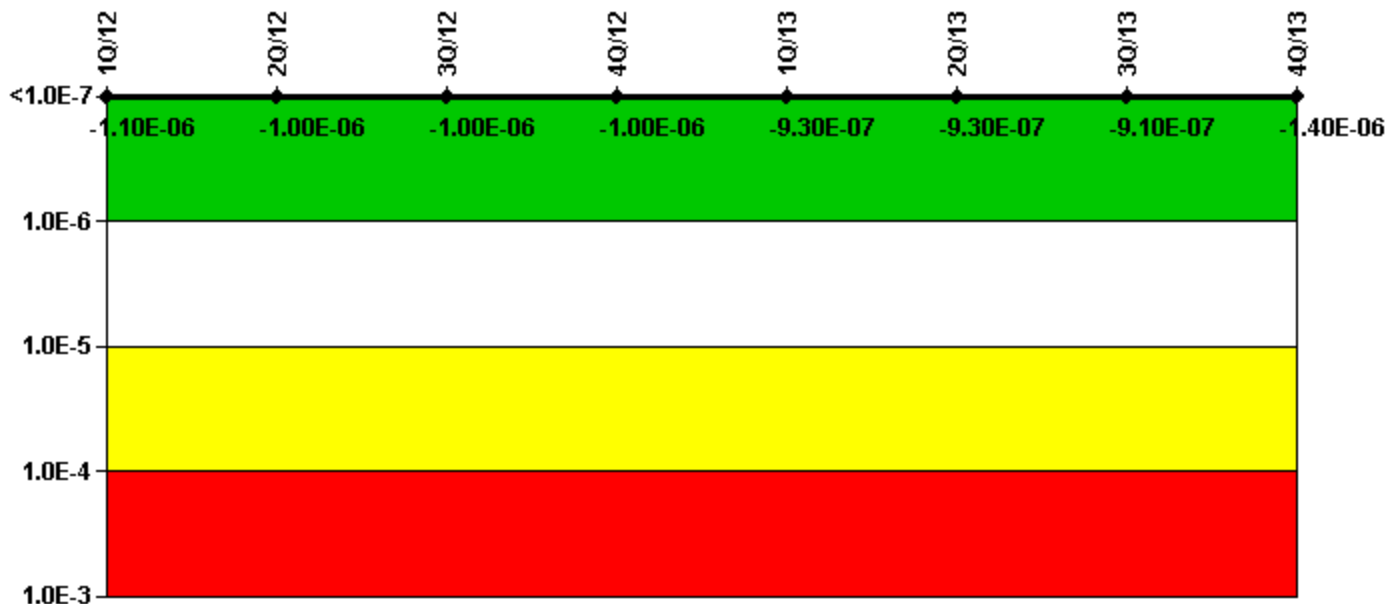
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	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	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	-1.41E-07	-1.41E-07	-1.41E-07	-1.41E-07	-1.41E-07	-1.40E-07	-1.41E-07	-1.62E-07
URI (Δ CDF)	-9.42E-07	-8.95E-07	-8.76E-07	-8.56E-07	-7.93E-07	-7.92E-07	-7.72E-07	-1.27E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-06	-1.00E-06	-1.00E-06	-1.00E-06	-9.30E-07	-9.30E-07	-9.10E-07	-1.40E-06

Licensee Comments:

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked.

1Q/13: Risk Cap Invoked.

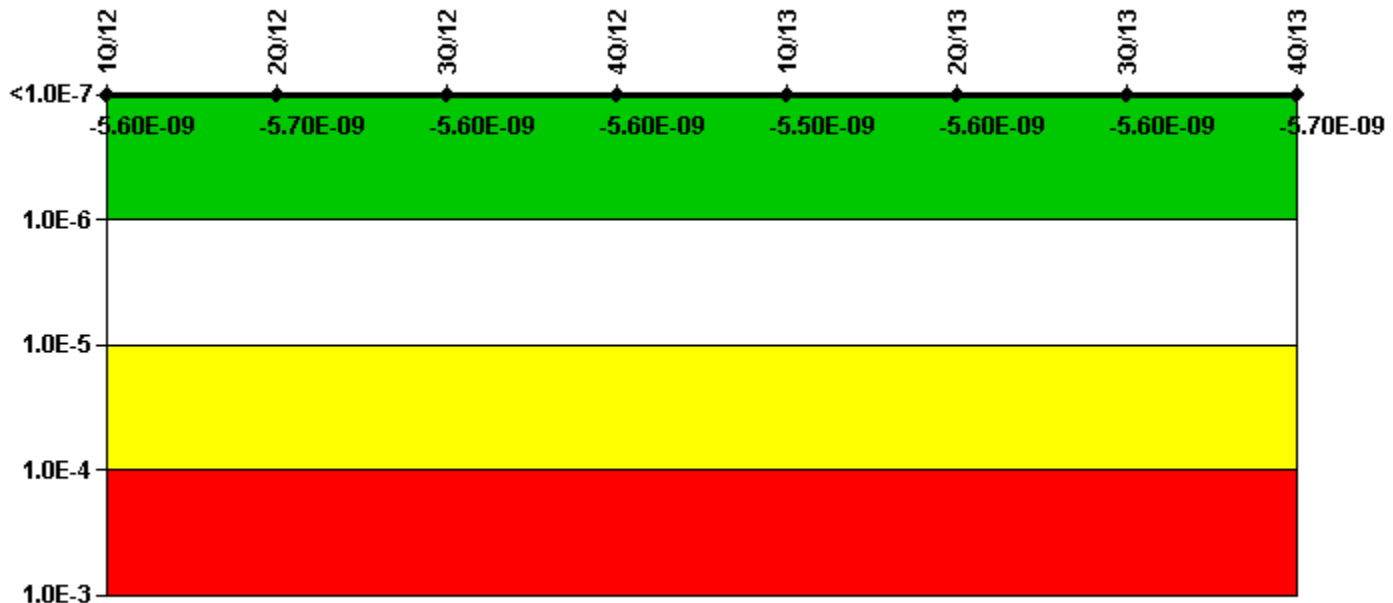
4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked. MSPI Basis document revised to include fuel oil transfer pumps as part of the EDG supercomponent. In addition, the first hour of run time is excluded from the total submitted run hours.

Mitigating Systems Performance Index, High Pressure Injection System



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

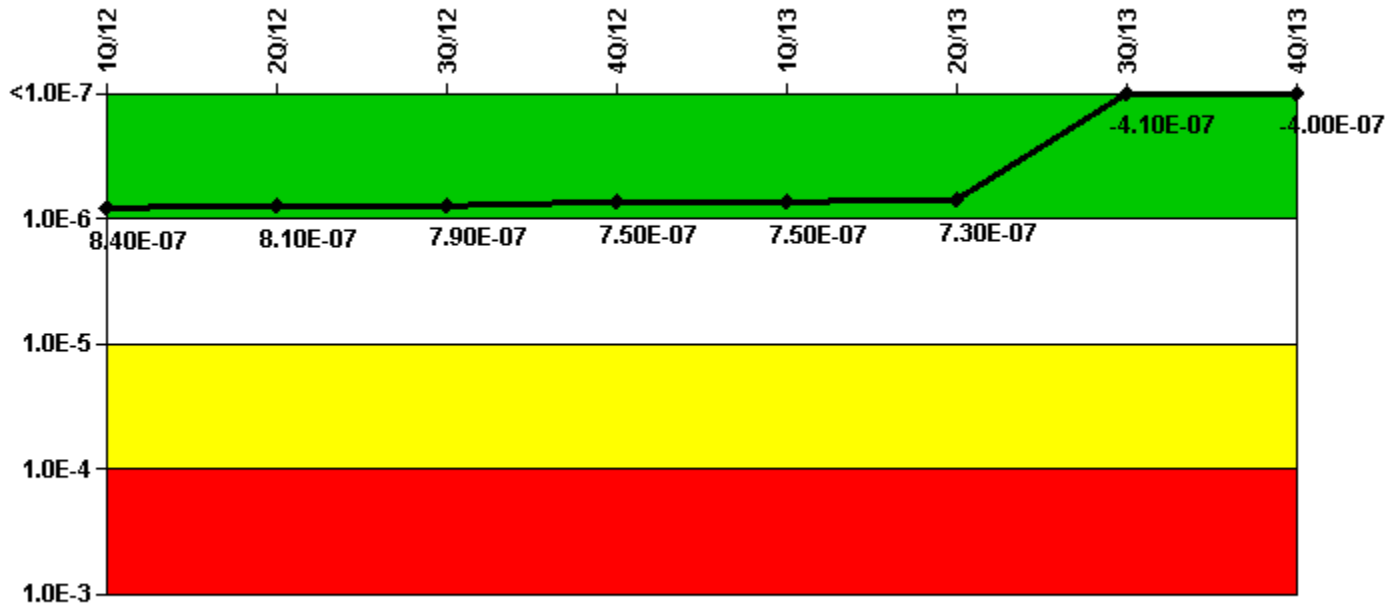
Notes

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)	-8.23E-10	-8.70E-10	-7.78E-10	-7.77E-10	-6.86E-10	-6.70E-10	-6.47E-10	-6.25E-10
URI (Δ CDF)	-4.78E-09	-4.79E-09	-4.80E-09	-4.82E-09	-4.86E-09	-4.93E-09	-4.97E-09	-5.03E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.60E-09	-5.70E-09	-5.60E-09	-5.60E-09	-5.50E-09	-5.60E-09	-5.60E-09	-5.70E-09

Licensee Comments:

1Q/12: MSPI basis document revised to remove the following valves from scope since they meet the exclusion criteria in NEI 99-02 Section F 2.1.2: 1(2)CV40, 1(2)CV41, 1(2)CV68, 1(2)CV69, 1(2)SJ1, 1(2)SJ2, 1(2)SJ4, 1(2)SJ5, 1(2)SJ12, 1(2)SJ13, 1(2)SJ67, 1(2)SJ68, 11(21)SJ113, 12(22)SJ113.

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 (ΔCDF)	-4.59E-08	-4.58E-08	-4.58E-08	-4.57E-08	-4.57E-08	-4.55E-08	-4.57E-08	-4.58E-08
URI (ΔCDF)	8.89E-07	8.55E-07	8.34E-07	7.94E-07	7.94E-07	7.75E-07	-3.68E-07	-3.57E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.40E-07	8.10E-07	7.90E-07	7.50E-07	7.50E-07	7.30E-07	-4.10E-07	-4.00E-07

Licensee Comments:

2Q/13: Risk Cap Invoked.

1Q/13: Risk Cap Invoked.

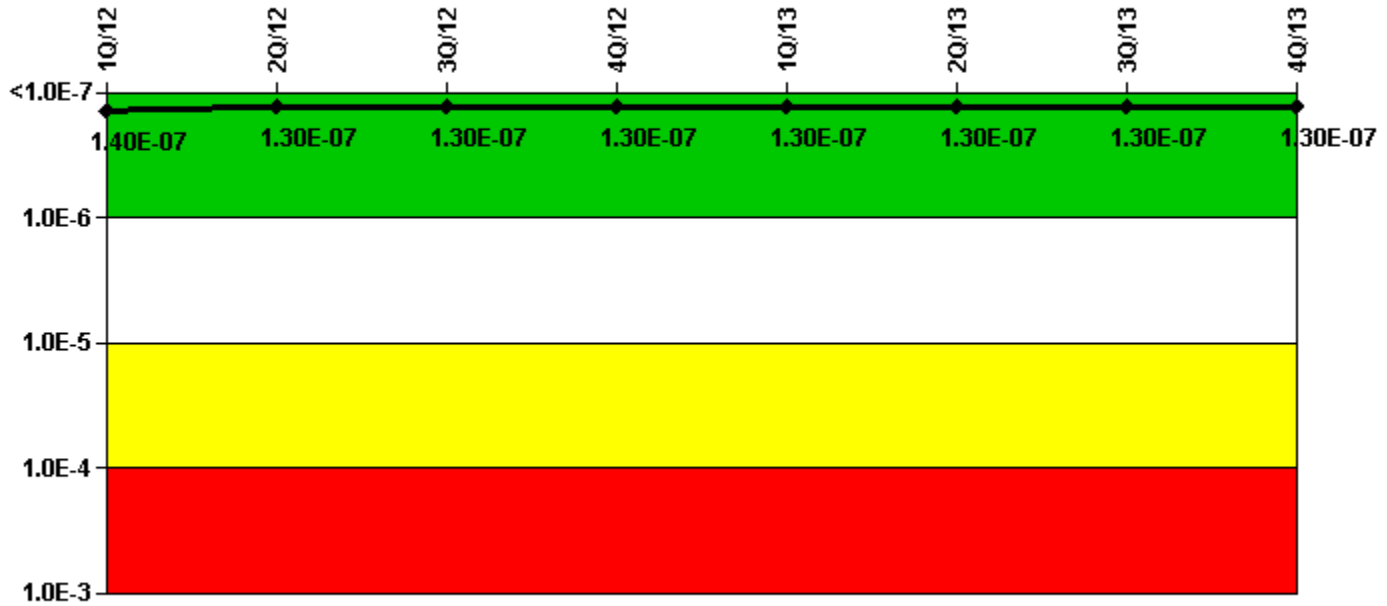
4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, Residual Heat Removal System



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

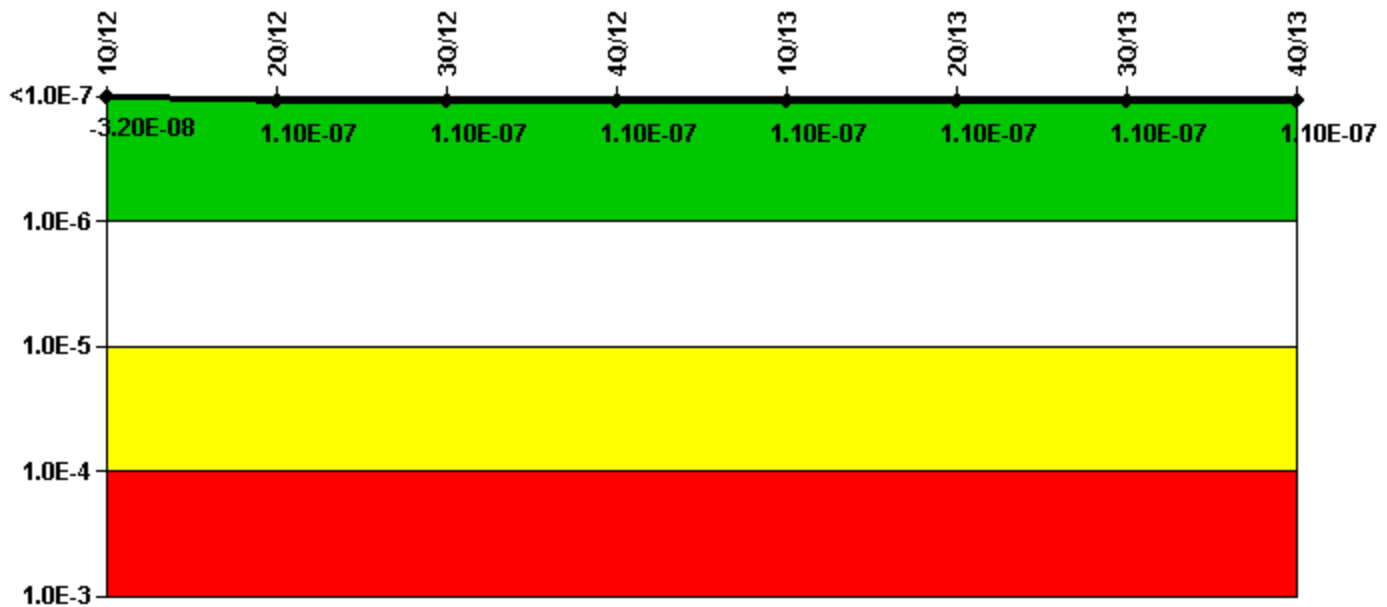
Notes

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)	-4.48E-09	-9.84E-09	-9.84E-09	-6.47E-09	-1.20E-08	-1.17E-08	-1.20E-08	-1.29E-08
URI (Δ CDF)	1.43E-07	1.38E-07	1.38E-07	1.38E-07	1.39E-07	1.37E-07	1.40E-07	1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.40E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07

Licensee Comments:

4Q/13: 1RHE2 Demands corrected to match Bases Document.

Mitigating Systems Performance Index, Cooling Water Systems



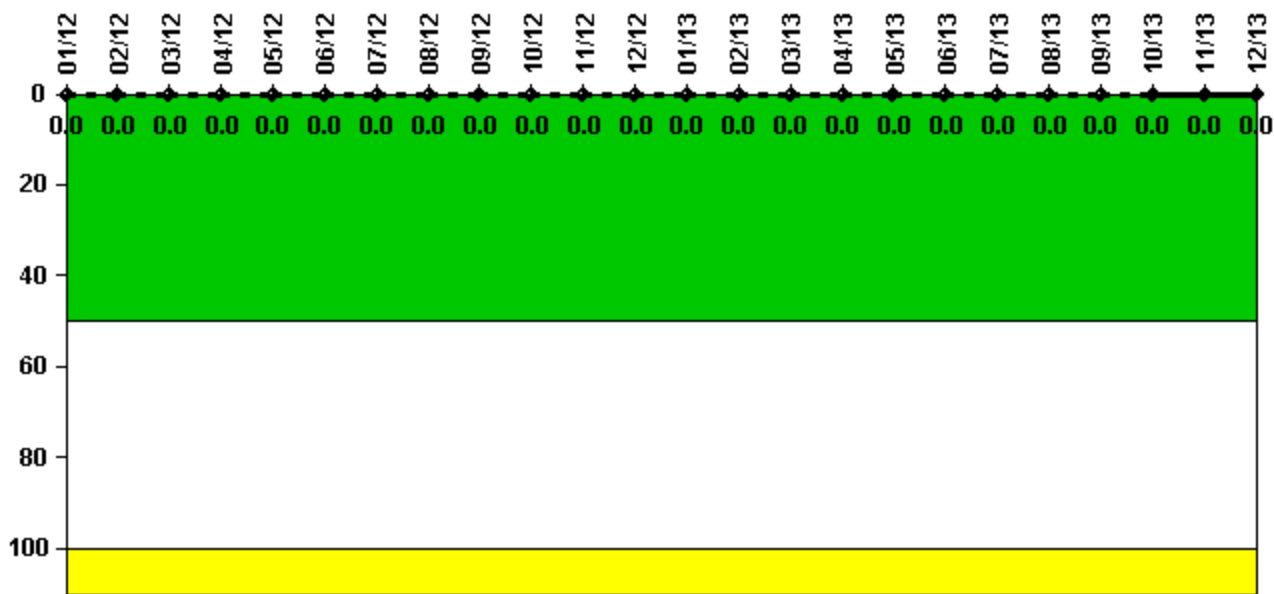
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-6.40E-08	7.36E-08	7.35E-08	7.40E-08	7.39E-08	7.58E-08	7.38E-08	7.37E-08
URI (Δ CDF)	3.19E-08	3.19E-08	3.19E-08	3.19E-08	3.19E-08	3.19E-08	3.19E-08	3.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.20E-08	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07

Licensee Comments: none

Reactor Coolant System Activity



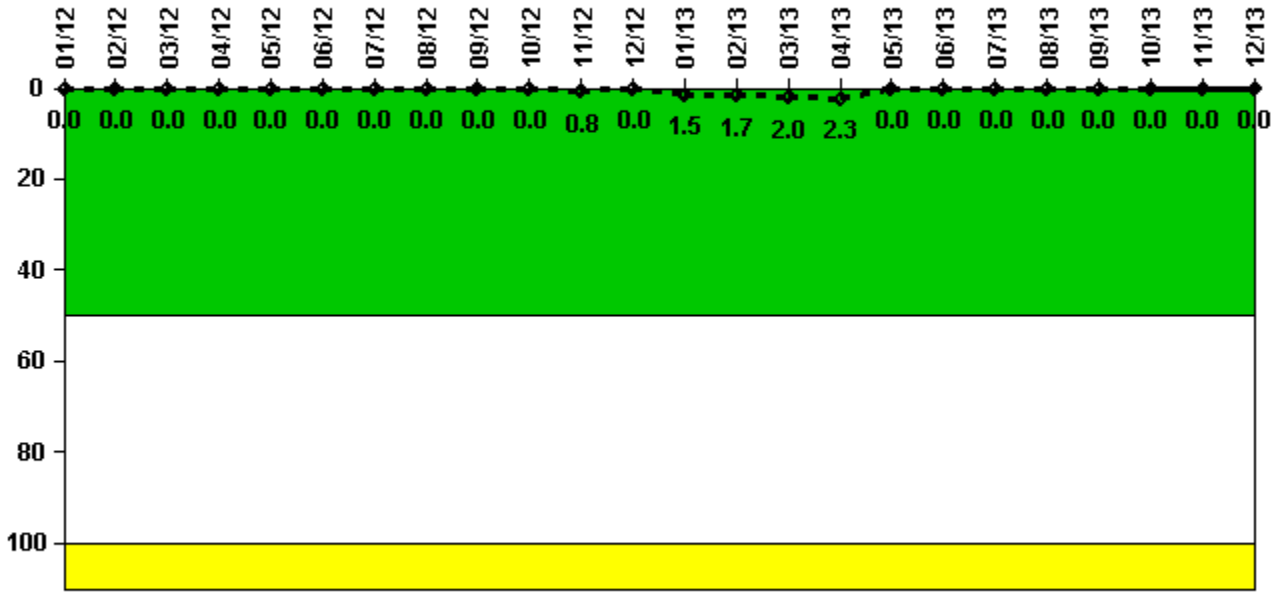
Thresholds: White > 50.0 Yellow > 100.0

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	0.000130	0.000155	0.000094	0.000170	0.000204	0.000110	0.000208	0.000156	0.000110	0.000208	0.000205	0.000200
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	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	0.000216	0.000213	0.000242	0.000251	0.000052	0.000062	0.000088	0.000071	0.000073	0.000136	0.000129	0.000152
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

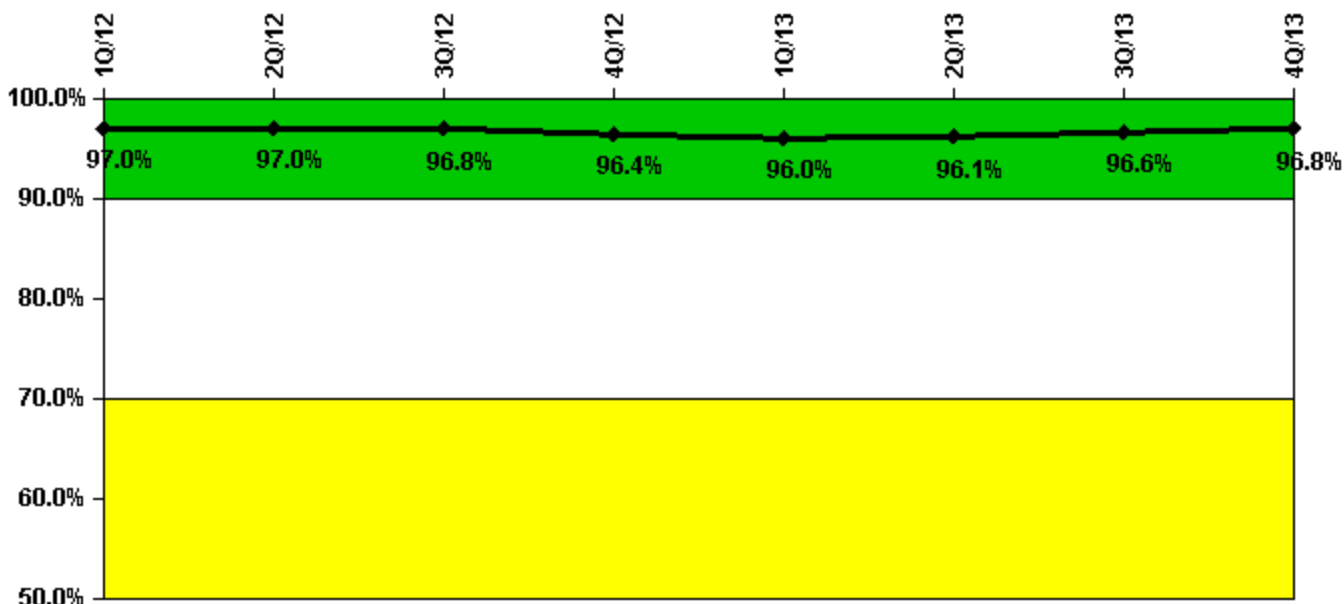
Notes

Reactor Coolant System Leakage	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	0	0	0	0	0	0	0	0	0	0.080	0
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	0	0	0	0	0	0	0	0	0	0.8	0

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	0.148	0.170	0.198	0.225	0	0	0	0	0	0	0	0
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	1.5	1.7	2.0	2.3	0	0	0	0	0	0	0	0

Licensee Comments: none

Drill/Exercise Performance



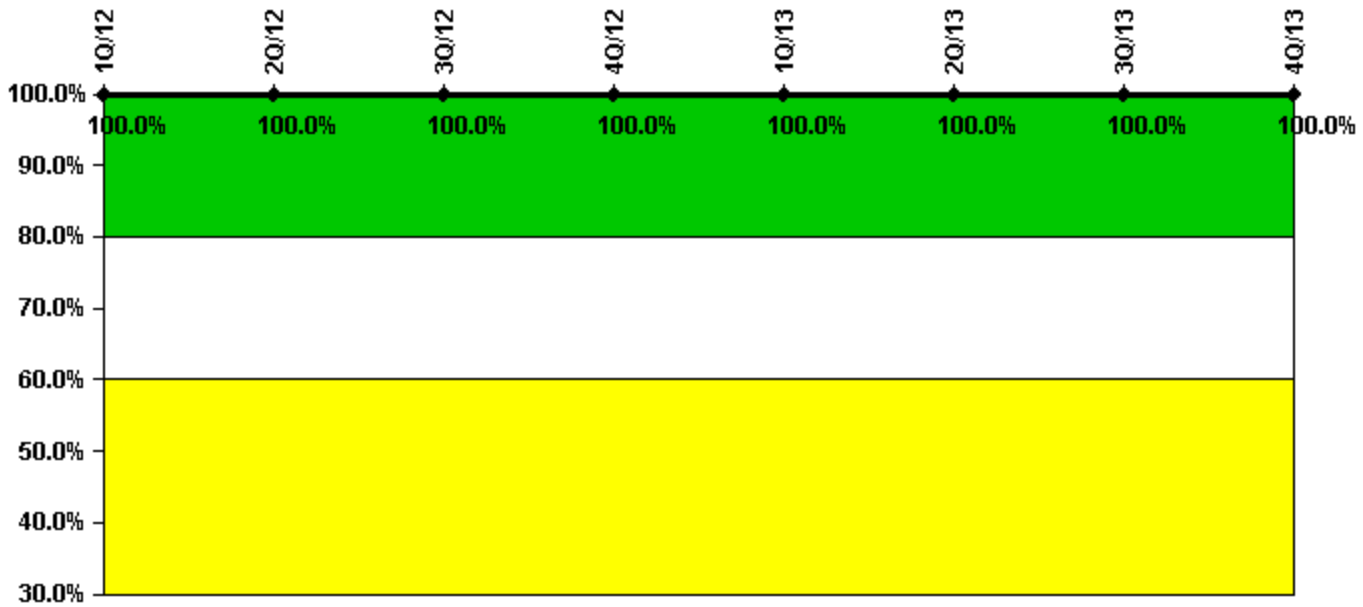
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	30.0	22.0	54.0	31.0	31.0	19.0	52.0	29.0
Total opportunities	31.0	22.0	55.0	33.0	33.0	19.0	54.0	30.0
Indicator value	97.0%	97.0%	96.8%	96.4%	96.0%	96.1%	96.6%	96.8%

Licensee Comments: none

ERO Drill Participation



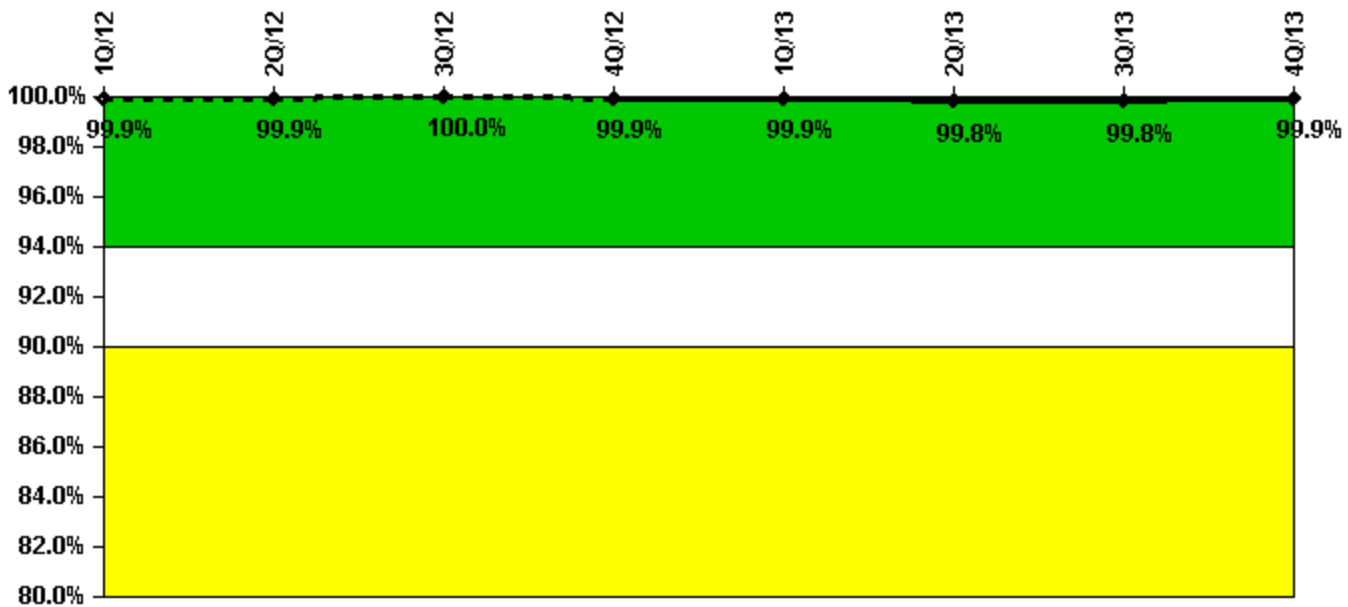
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	136.0	126.0	121.0	123.0	122.0	118.0	119.0	118.0
Total Key personnel	136.0	126.0	121.0	123.0	122.0	118.0	119.0	118.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



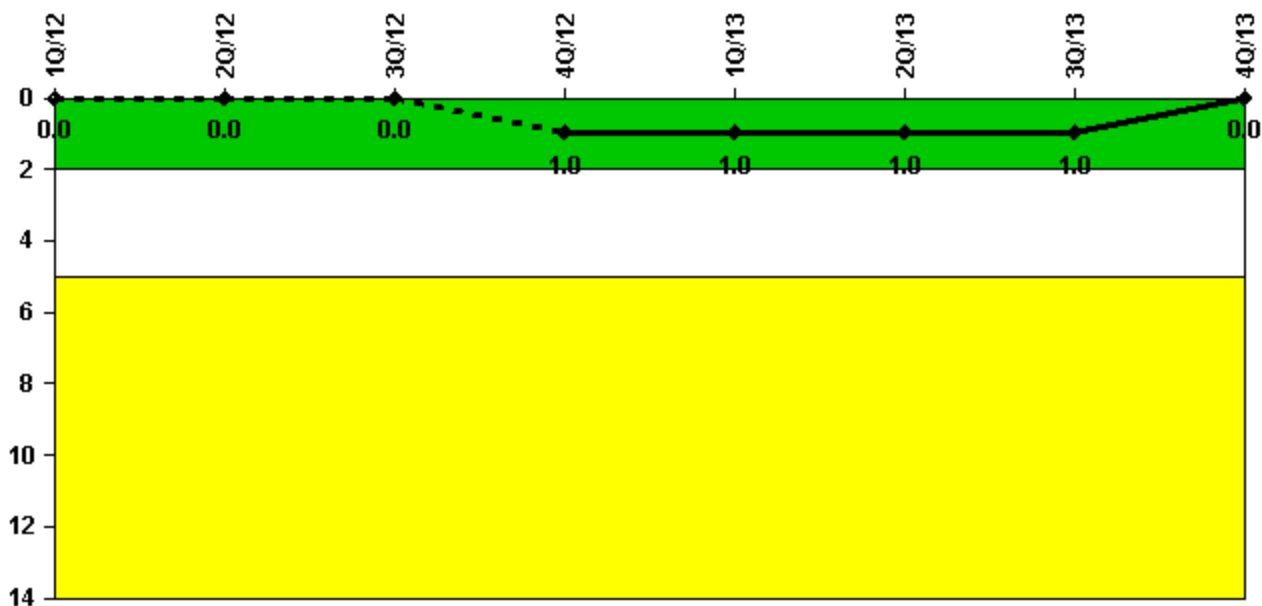
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	497	497	497	496	497	495	497	497
Total sirens-tests	497	497	497	497	497	497	497	497
Indicator value	99.9%	99.9%	100.0%	99.9%	99.9%	99.8%	99.8%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

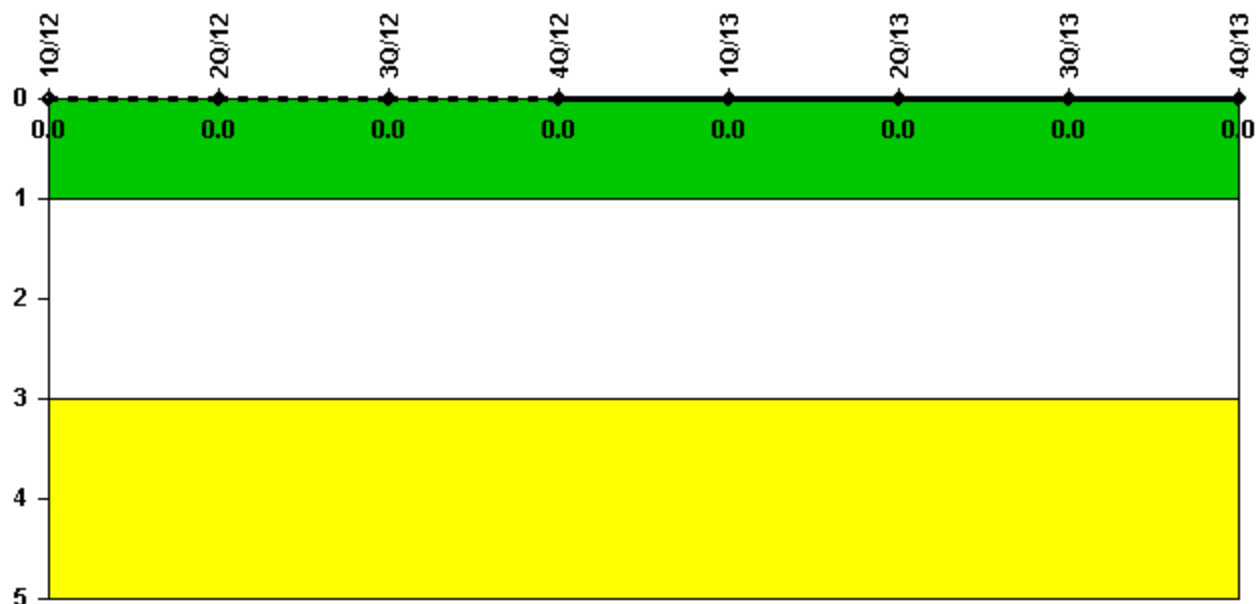
Notes

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	1	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	1	1	1	1	0

Licensee Comments:

4Q/12: Two workers received electronic dosimeter dose rate alarms in the reactor cavity on 07 November 2012. After completing an investigation and evaluation with the licensee, the NRC inspector debriefed this event as an High Radiation Area (HRA) event during a June 2013 inspection exit meeting. The event is now documented as such in this metric. This affected the 4th Quarter data and did not result in a color change.

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: 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