

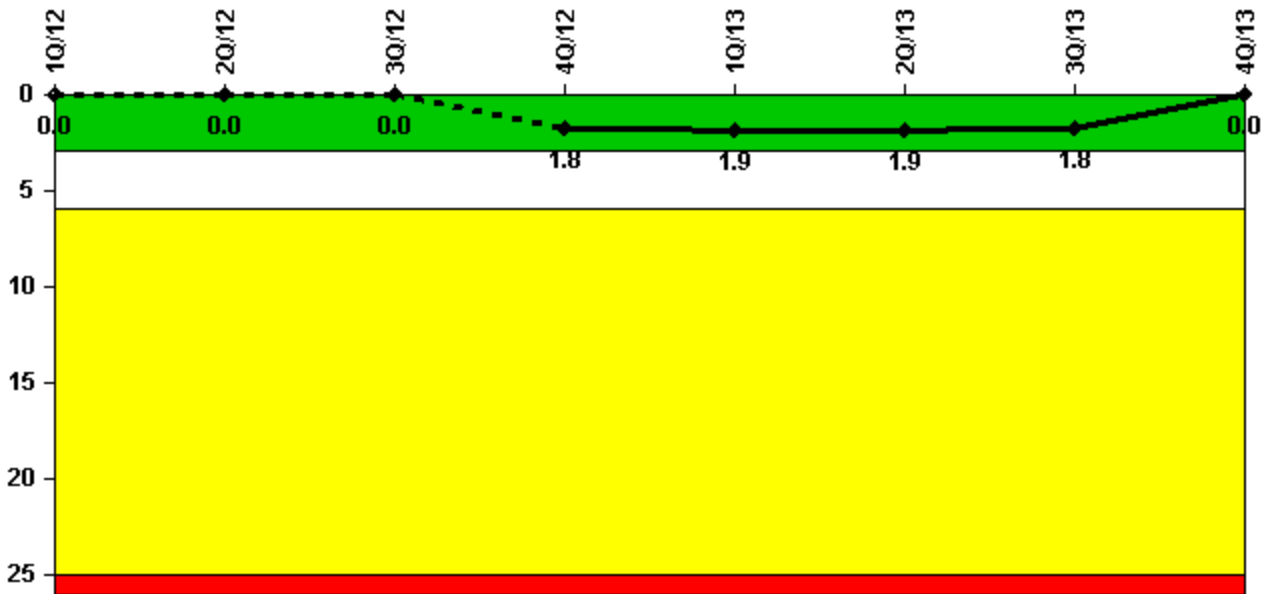
FitzPatrick

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



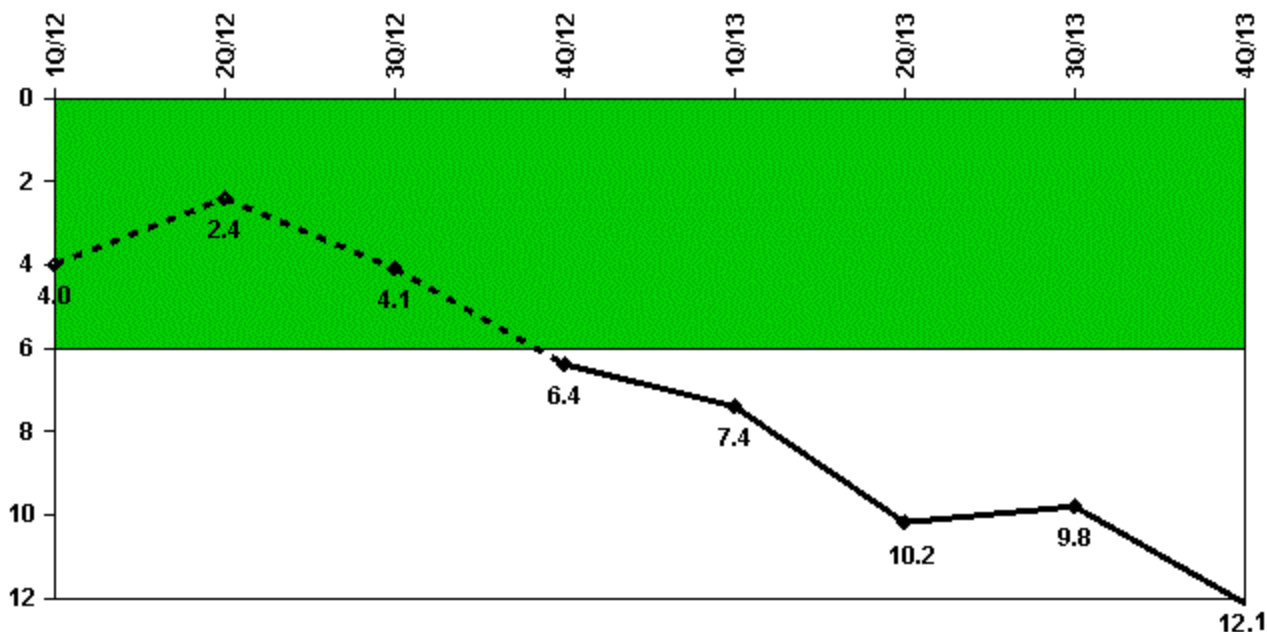
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	2.0	0	0	0	0
Critical hours	2183.0	2184.0	1860.2	1432.9	2062.0	2184.0	2208.0	2209.0
Indicator value	0	0	0	1.8	1.9	1.9	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	2.0	1.0	2.0	2.0	3.0	4.0	2.0	6.0
Critical hours	2183.0	2184.0	1860.2	1432.9	2062.0	2184.0	2208.0	2209.0
Indicator value	4.0	2.4	4.1	6.4	7.4	10.2	9.8	12.1

Licensee Comments:

4Q/13: Multiple downpowers are due to repairs on the Main Condenser tube inleakage. This deficiency is a known issue but individual tube failures are not predictable. Compensatory measures, such as tube plugging and tube sleeving, have been performed to mitigate Main Condenser performance. There is no affect on public or nuclear safety.

3Q/13: Multiple downpowers are due to repairs on the Main Condenser tube inleakage. This deficiency is a known issue but individual tube failures are not predictable. Compensatory measures, such as tube plugging and tube sleeving, have been performed to mitigate Main Condenser performance. There is no affect on public or nuclear safety.

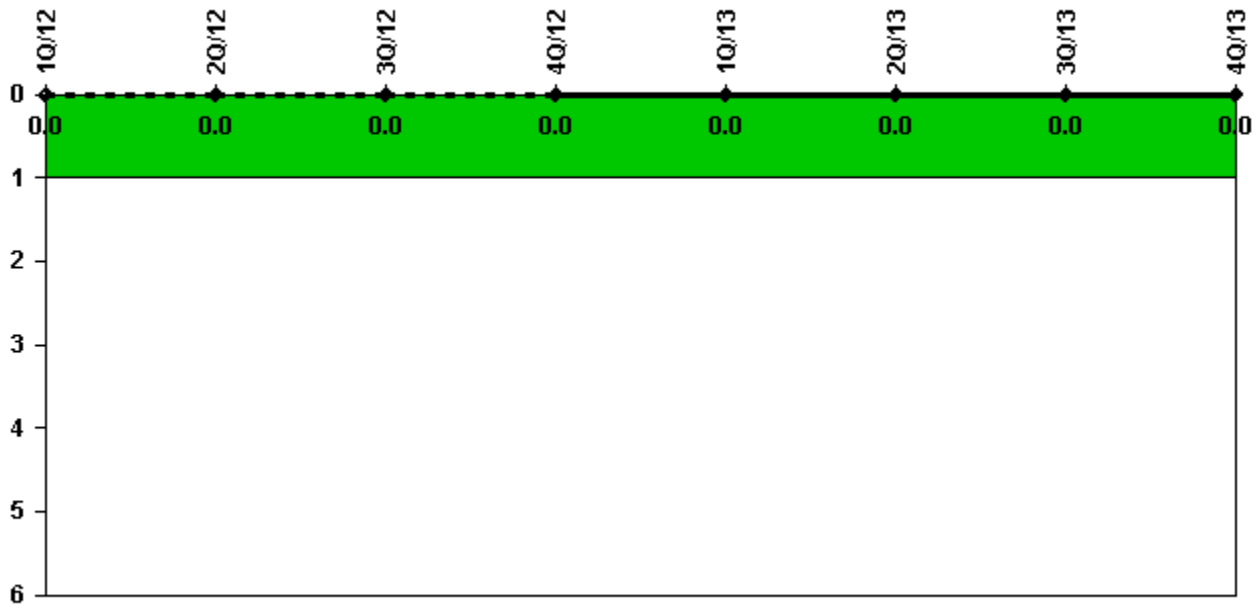
2Q/13: Multiple downpowers are due to repairs on the Main Condenser tube inleakage. This deficiency is a known issue but individual tube failures are not predictable. Compensatory measures, such as tube plugging and tube sleeving, have been performed to mitigate Main Condenser performance. There is no affect on public or nuclear safety.

1Q/13: Multiple downpowers are due to repairs on the Main Condenser tube inleakage. This deficiency is a known issue but individual tube failures are not predictable. Compensatory measures, such as tube plugging and tube sleeving, have been performed to mitigate Main Condenser performance. There is no affect on public or nuclear safety.

safety.

4Q/12: Multiple downpowers are due to repairs on the Main Condenser tube inleakage. This deficiency is a known issue but individual tube failures are not predictable. Compensatory measures, such as tube plugging and tube sleeving, have been performed to mitigate Main Condenser performance. There is no affect on public or nuclear safety.

Unplanned Scrams with Complications



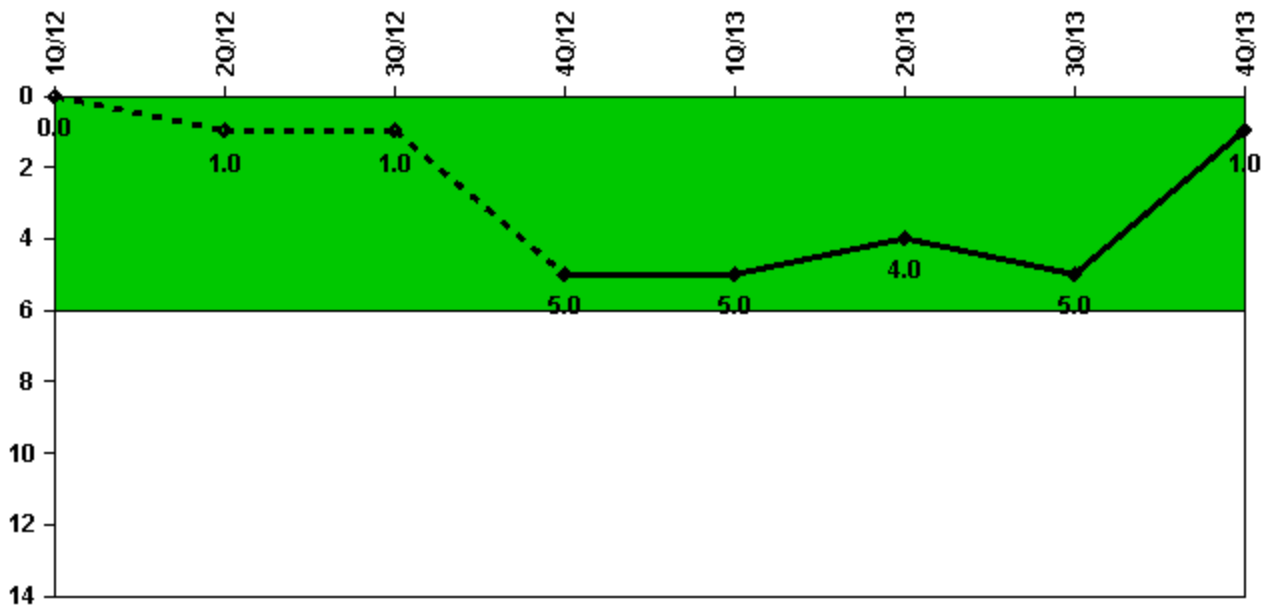
Thresholds: White > 1.0

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: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	0	1	0	4	0	0	1	0
Indicator value	0	1	1	5	5	4	5	1

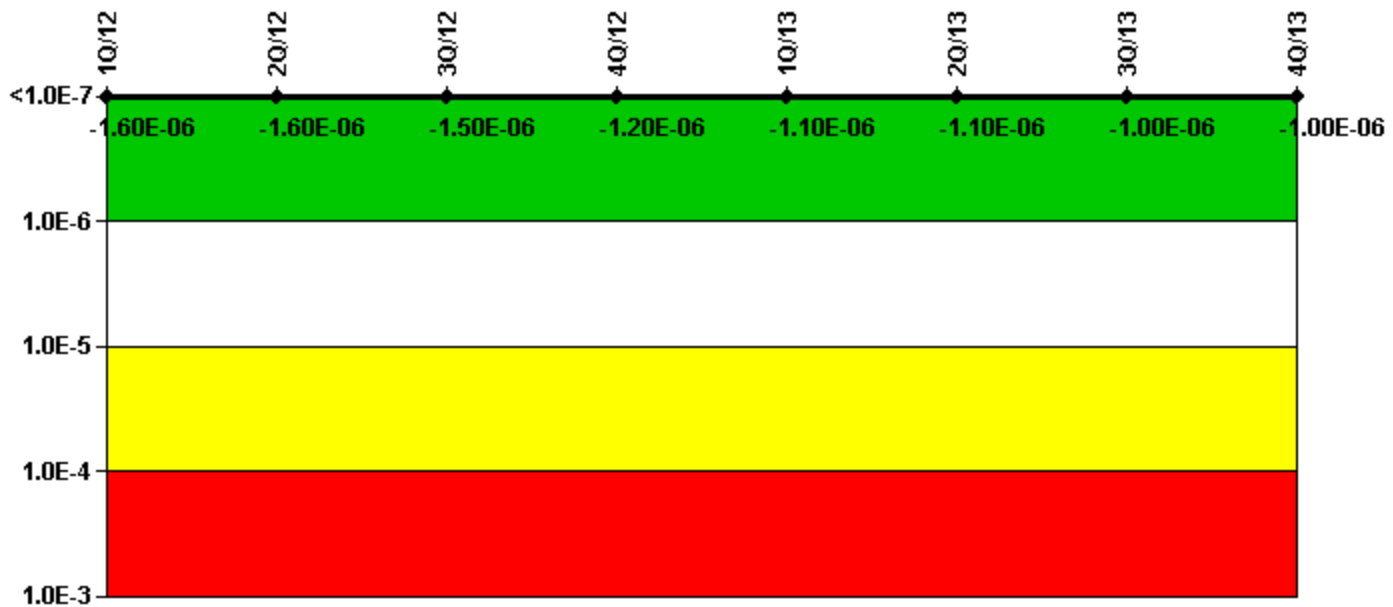
Licensee Comments:

3Q/13: LER-12-010

4Q/12: LER-12-002, LER-12-003, LER-12-005, LER-12-006

2Q/12: LER-2012-001, Unit Cooler Fan Motor Contactor Low Voltage Test Failure Results in Loss of Safety Function and Condition Prohibited by the Technical Specifications, reported in June 2012

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)	1.05E-08	3.31E-09	3.14E-09	7.74E-10	9.99E-10	6.30E-09	7.40E-09	9.66E-09
URI (Δ CDF)	-1.66E-06	-1.56E-06	-1.52E-06	-1.19E-06	-1.12E-06	-1.13E-06	-1.04E-06	-1.01E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-06	-1.60E-06	-1.50E-06	-1.20E-06	-1.10E-06	-1.10E-06	-1.00E-06	-1.00E-06

Licensee Comments:

4Q/13: Change report submitted to make minor changes in the 3rd quarter 2013 to 4th quarter 2012. The Indicator color significance remains Green with the change.

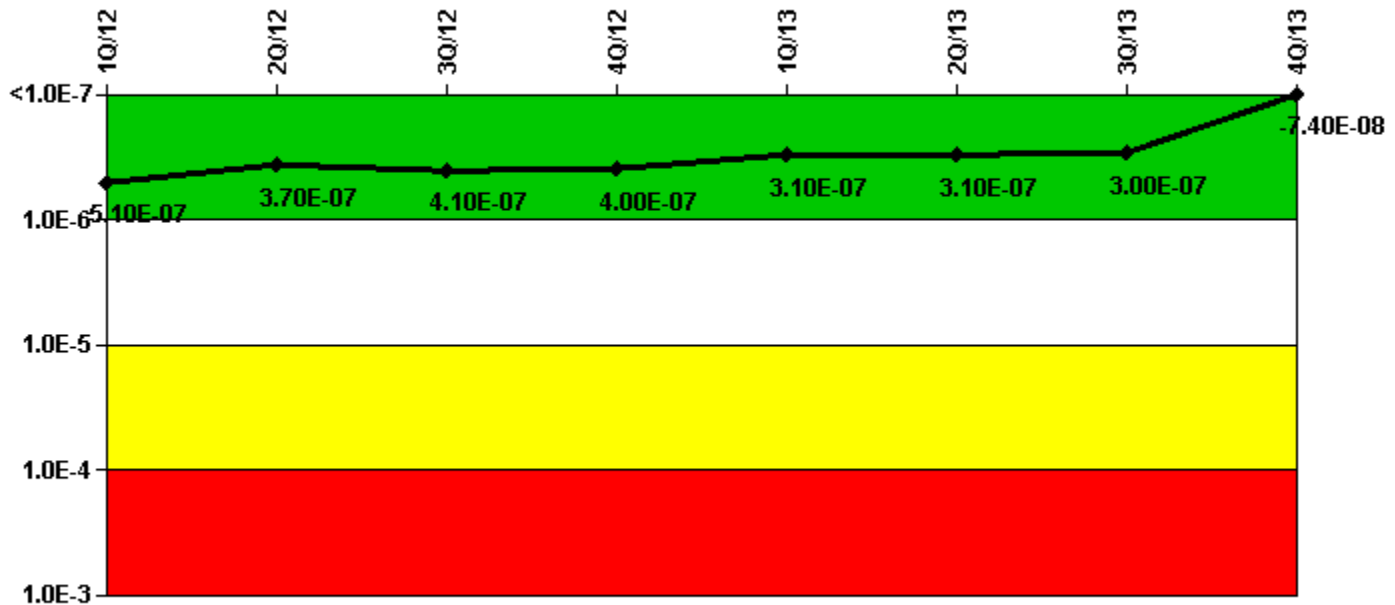
3Q/13: A change report submitted with 4th quarter 2013 data made a minor change in the 4th quarter 2012 EDG MSPI PI. This had an effect through 2013. The Indicator color significance remains Green with the change.

2Q/13: A change report submitted with 4th quarter 2013 data made a minor change in the 4th quarter 2012 EDG MSPI PI. This had an effect through 2013. The Indicator color significance remains Green with the change.

1Q/13: A change report submitted with 4th quarter 2013 data made a minor change in the 4th quarter 2012 EDG MSPI PI. This had an effect through 2013. The Indicator color significance remains Green with the change.

4Q/12: A change report submitted with 4th quarter 2013 data made a minor change in the 4th quarter 2012 EDG MSPI PI. This had an effect through 2013. The Indicator color significance remains Green with the change.

Mitigating Systems Performance Index, High Pressure Injection System



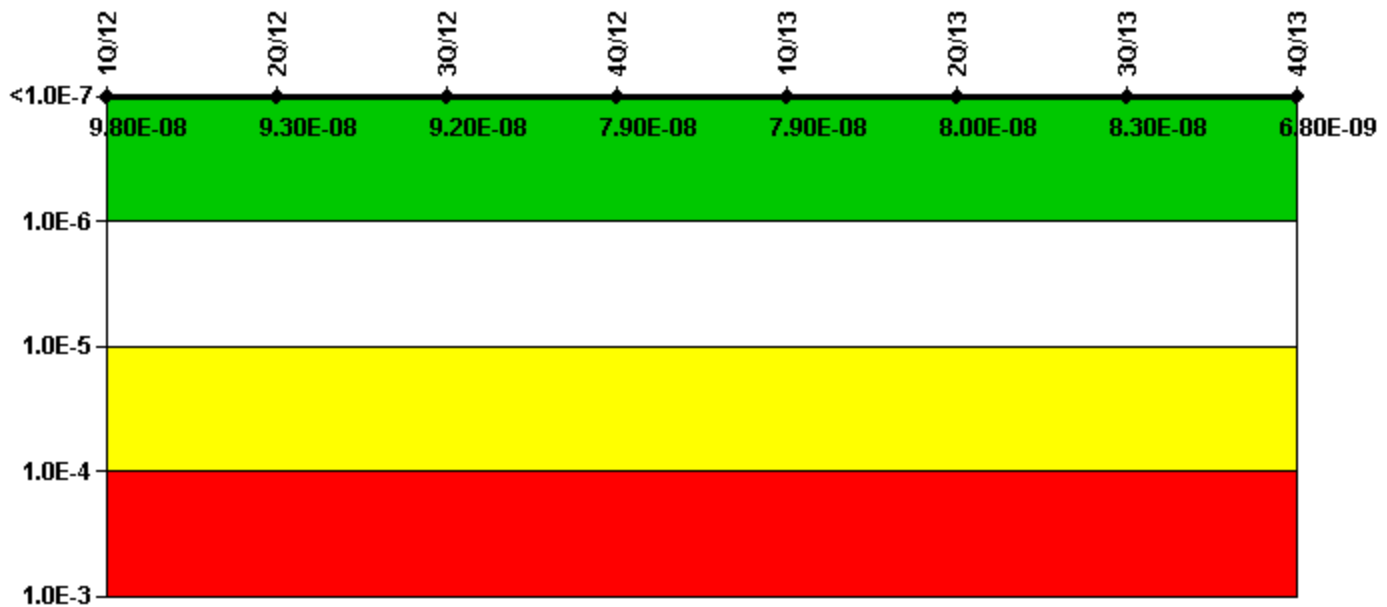
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)	9.04E-09	6.84E-08	9.29E-08	9.64E-08	1.98E-08	1.38E-08	1.21E-08	7.02E-09
URI (ΔCDF)	5.04E-07	3.05E-07	3.17E-07	3.04E-07	2.93E-07	2.93E-07	2.87E-07	-8.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.10E-07	3.70E-07	4.10E-07	4.00E-07	3.10E-07	3.10E-07	3.00E-07	-7.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



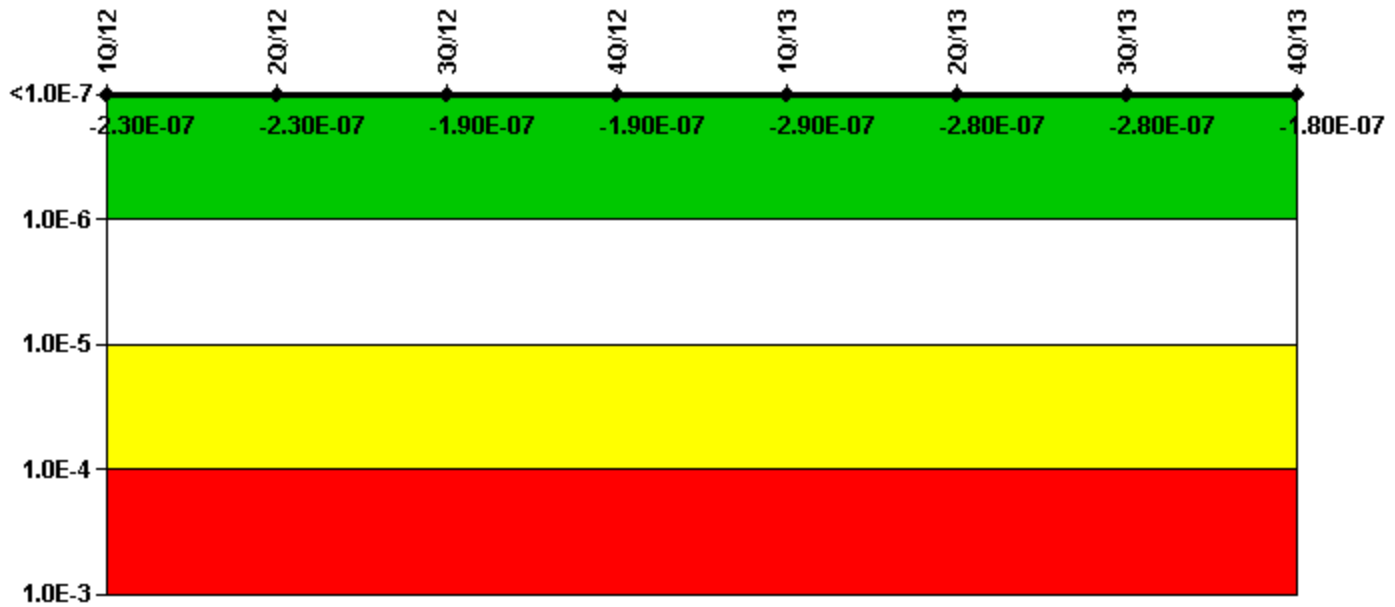
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	6.19E-08	5.74E-08	6.05E-08	5.37E-08	5.42E-08	5.47E-08	5.23E-08	1.78E-08
URI (Δ CDF)	3.63E-08	3.60E-08	3.19E-08	2.52E-08	2.50E-08	2.50E-08	3.06E-08	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.80E-08	9.30E-08	9.20E-08	7.90E-08	7.90E-08	8.00E-08	8.30E-08	6.80E-09

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



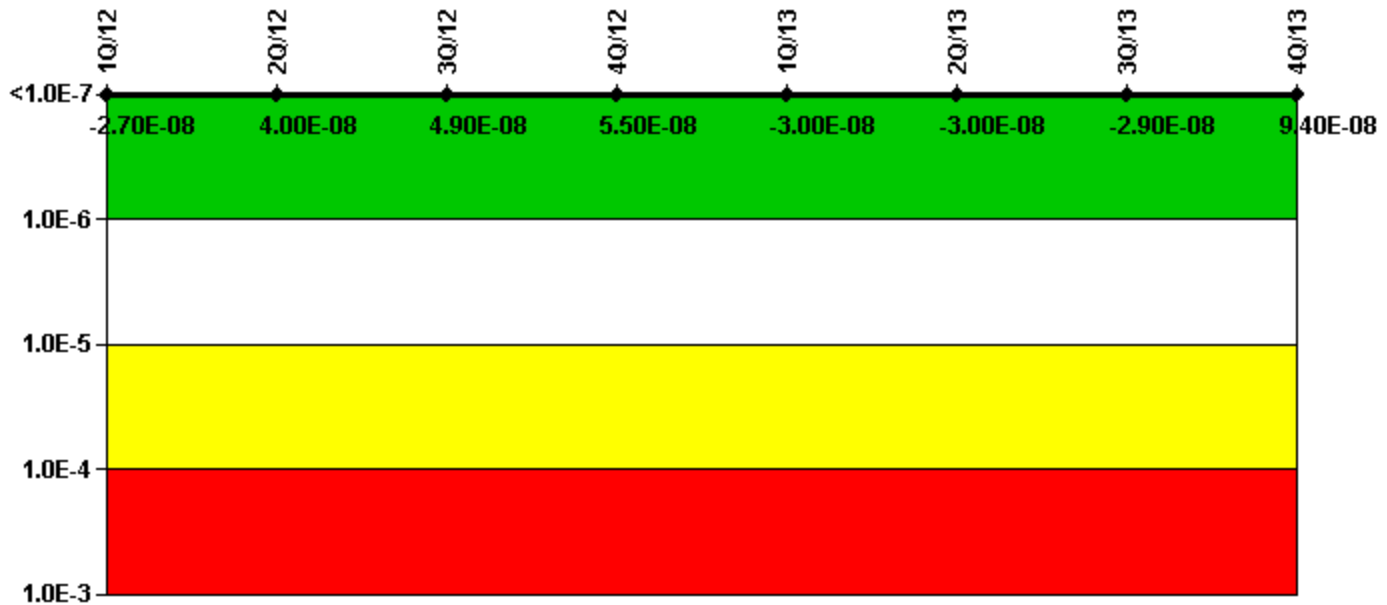
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	3.46E-08	2.86E-08	6.97E-08	8.15E-08	-1.40E-08	-1.34E-08	-2.37E-08	5.90E-08
URI (Δ CDF)	-2.61E-07	-2.56E-07	-2.62E-07	-2.76E-07	-2.74E-07	-2.69E-07	-2.53E-07	-2.41E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-07	-2.30E-07	-1.90E-07	-1.90E-07	-2.90E-07	-2.80E-07	-2.80E-07	-1.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



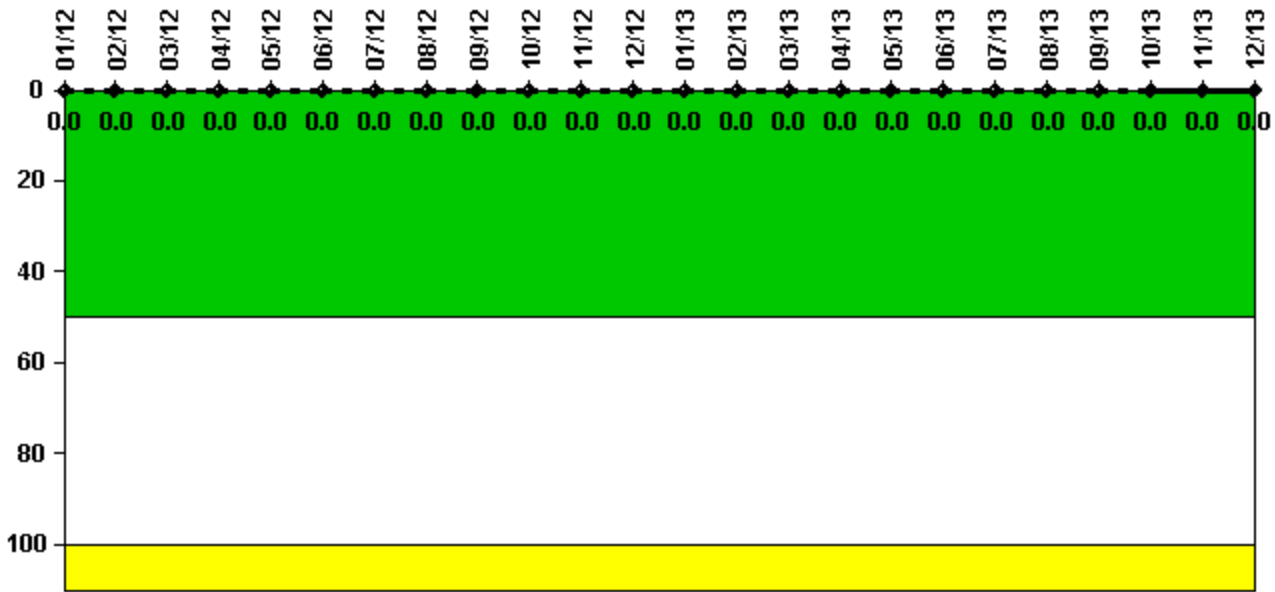
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	-1.58E-08	5.21E-08	6.07E-08	6.65E-08	-1.79E-08	-1.79E-08	-1.79E-08	1.06E-07
URI (Δ CDF)	-1.17E-08	-1.16E-08	-1.16E-08	-1.15E-08	-1.17E-08	-1.18E-08	-1.12E-08	-1.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.70E-08	4.00E-08	4.90E-08	5.50E-08	-3.00E-08	-3.00E-08	-2.90E-08	9.40E-08

Licensee Comments: none

Reactor Coolant System Activity



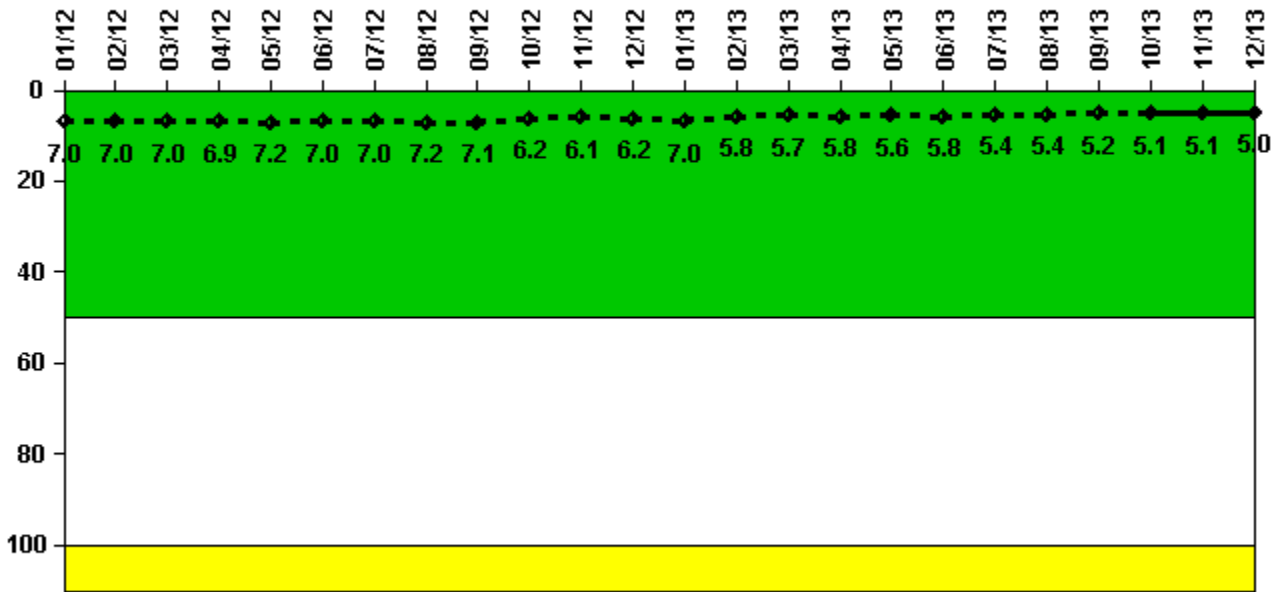
Thresholds: White > 50.0 Yellow > 100.0

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	0.000038	0.000019	0.000020	0.000033	0.000036	0.000023	0.000068	0.000024	0.000026	0.000018	0.000012	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	0.000016	0.000012	0.000012	0.000018	0.000014	0.000013	0.000025	0.000013	0.000028	0.000010	0.000010	0.000014
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	1.740	1.760	1.740	1.720	1.810	1.740	1.760	1.790	1.780	1.550	1.530	1.550
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	7.0	7.0	7.0	6.9	7.2	7.0	7.0	7.2	7.1	6.2	6.1	6.2

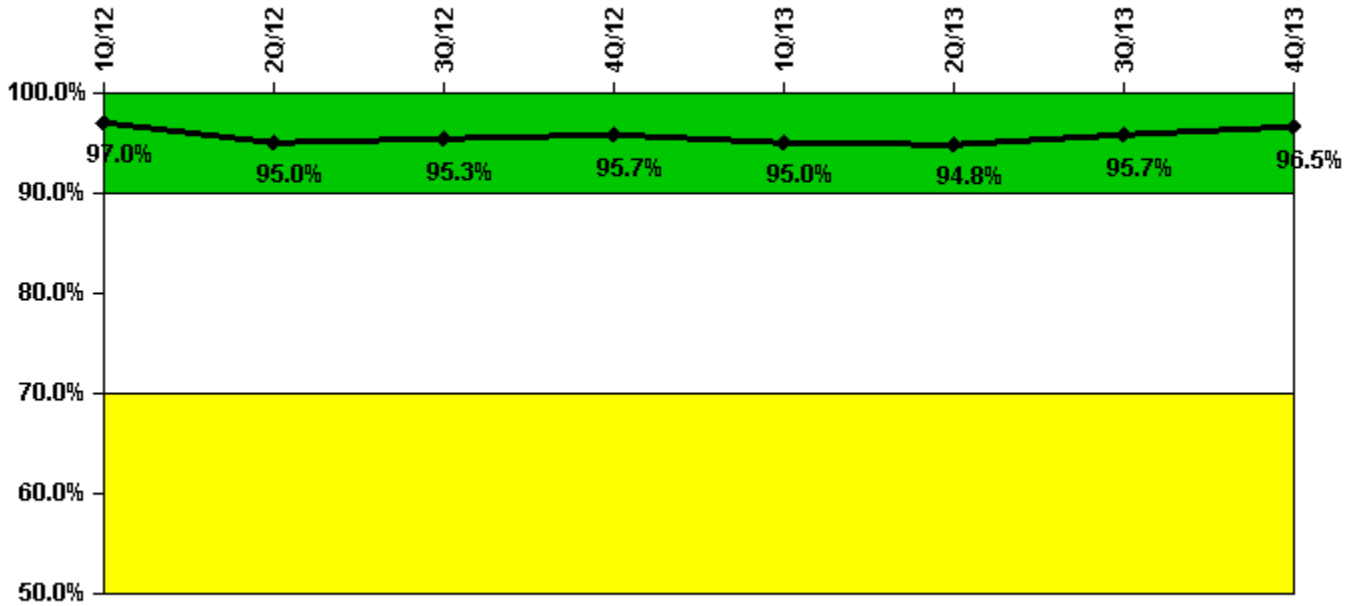
Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	1.740	1.460	1.430	1.440	1.400	1.460	1.360	1.350	1.300	1.280	1.270	1.260
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	7.0	5.8	5.7	5.8	5.6	5.8	5.4	5.4	5.2	5.1	5.1	5.0

Licensee Comments:

9/13: 2nd Quarter 2013 data has been updated to correct data submitted in error. This change has no affect on indicator color.

6/13: Maximum RCS identified leakage and Maximum RCS unidentified leakage were inadvertently switched. Corrected by change report in 3rd Quarter 2013.

Drill/Exercise Performance



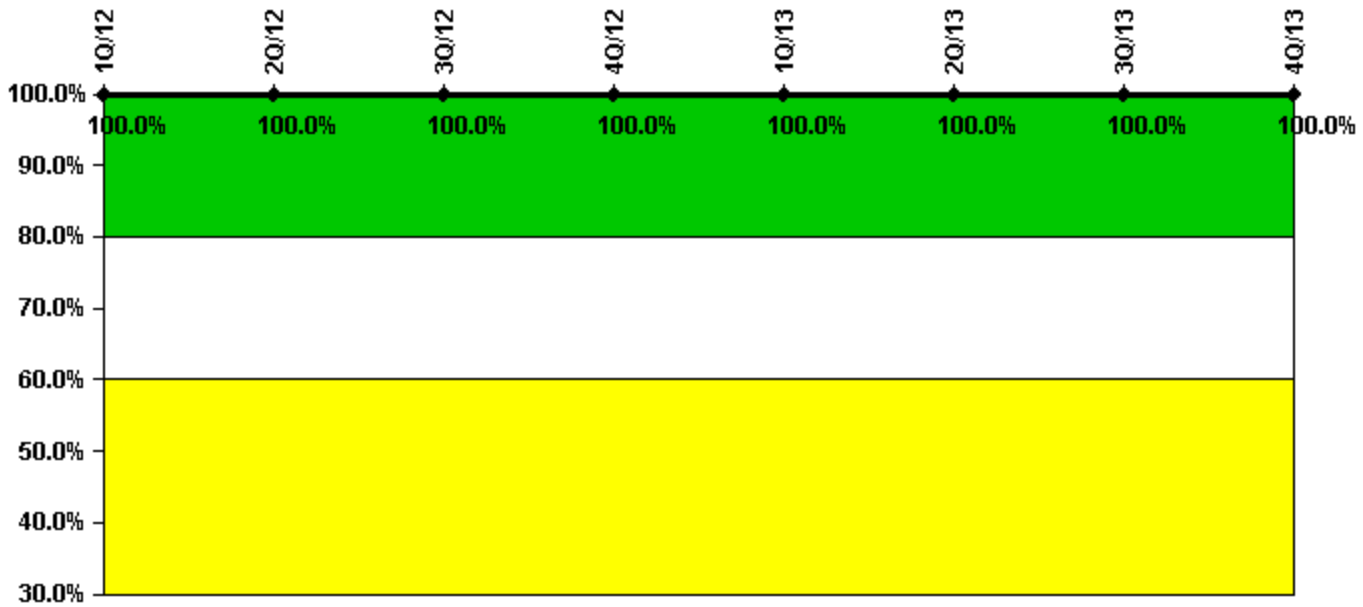
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	30.0	39.0	28.0	15.0	26.0	67.0	74.0	76.0
Total opportunities	31.0	46.0	28.0	15.0	28.0	68.0	75.0	77.0
Indicator value	97.0%	95.0%	95.3%	95.7%	95.0%	94.8%	95.7%	96.5%

Licensee Comments: none

ERO Drill Participation



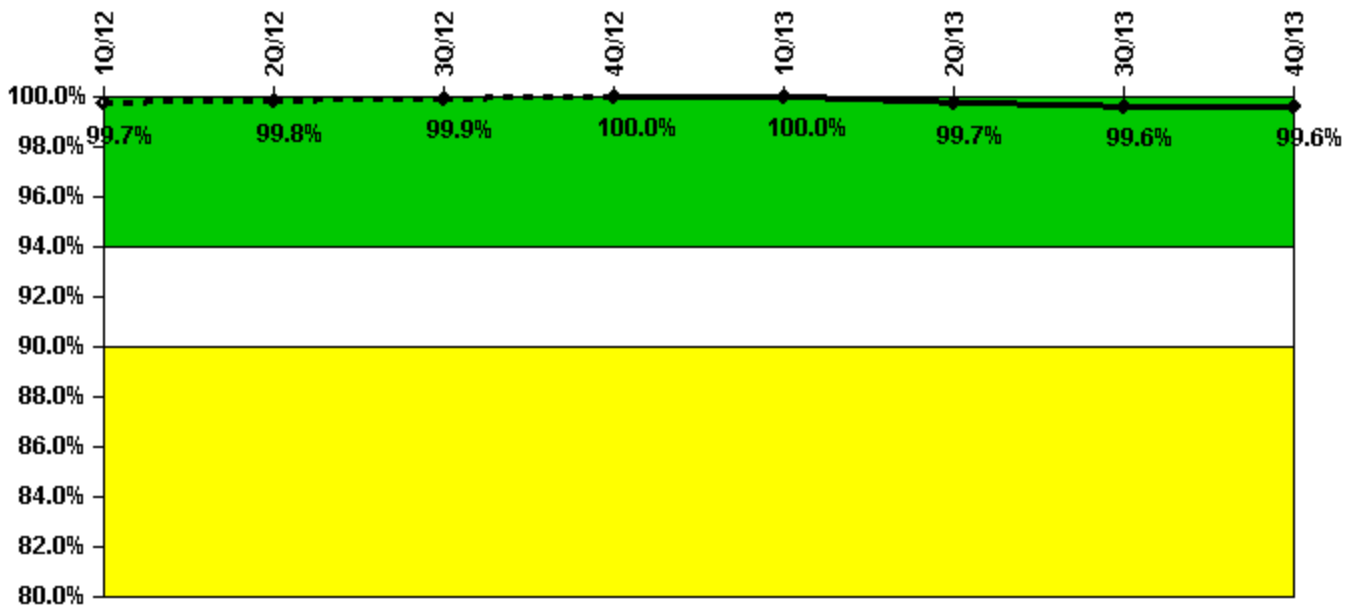
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	71.0	72.0	75.0	78.0	80.0	78.0	74.0	79.0
Total Key personnel	71.0	72.0	75.0	78.0	80.0	78.0	74.0	79.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



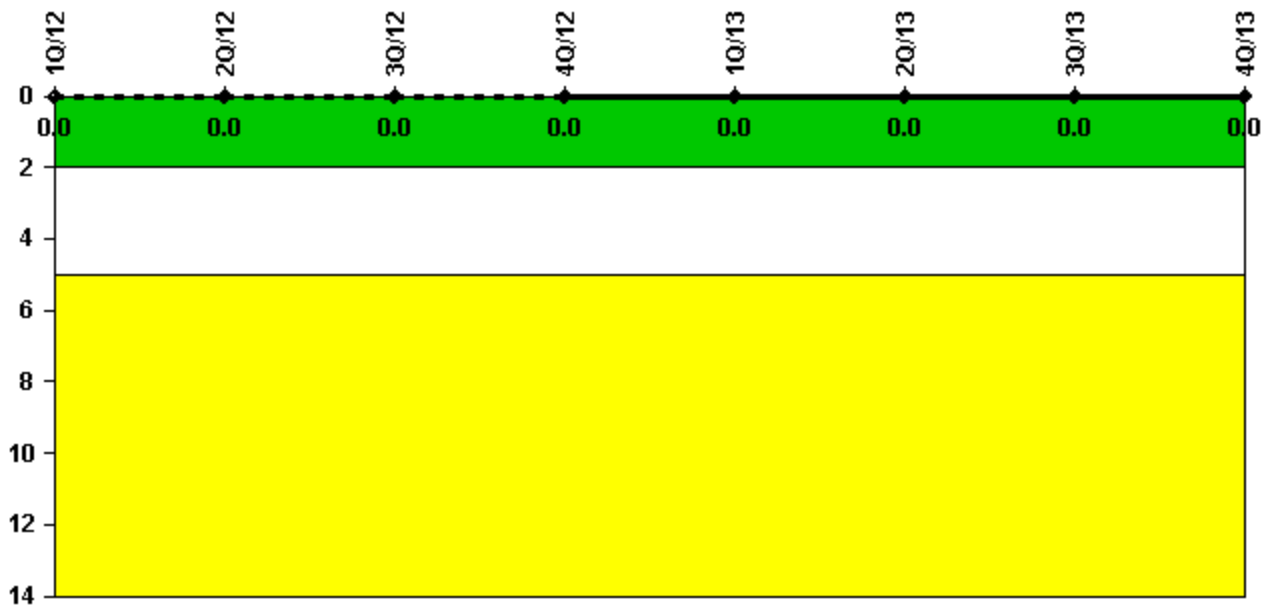
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	222	296	222	333	222	293	221	333
Total sirens-tests	222	296	222	333	222	296	222	333
Indicator value	99.7%	99.8%	99.9%	100.0%	100.0%	99.7%	99.6%	99.6%

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	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	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