

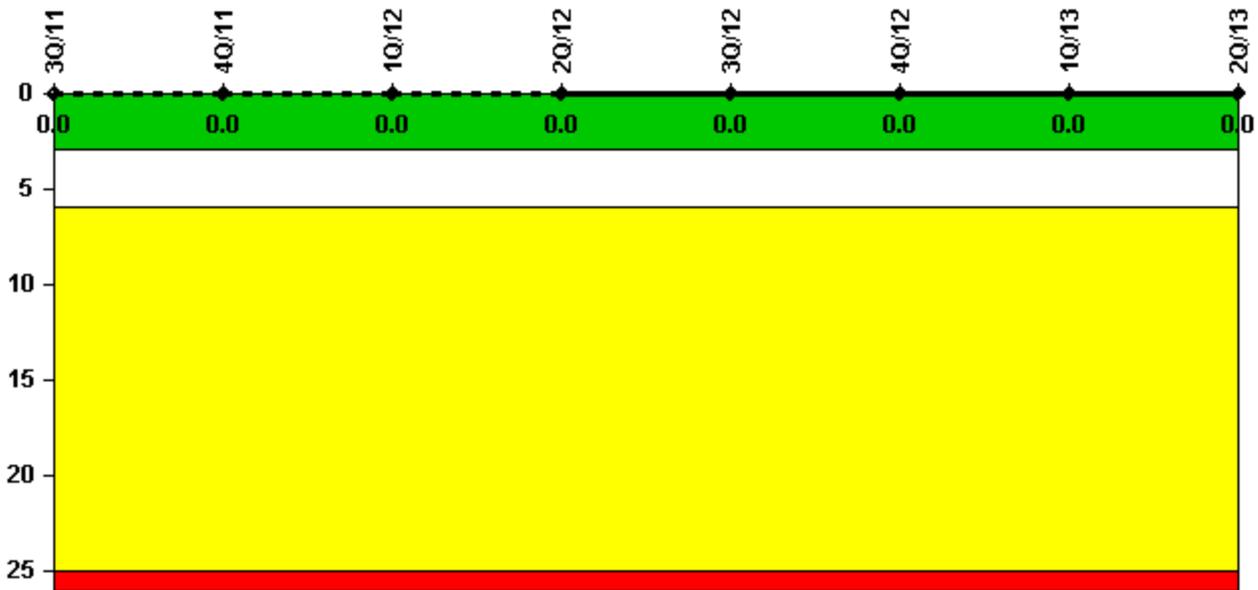
South Texas 1

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



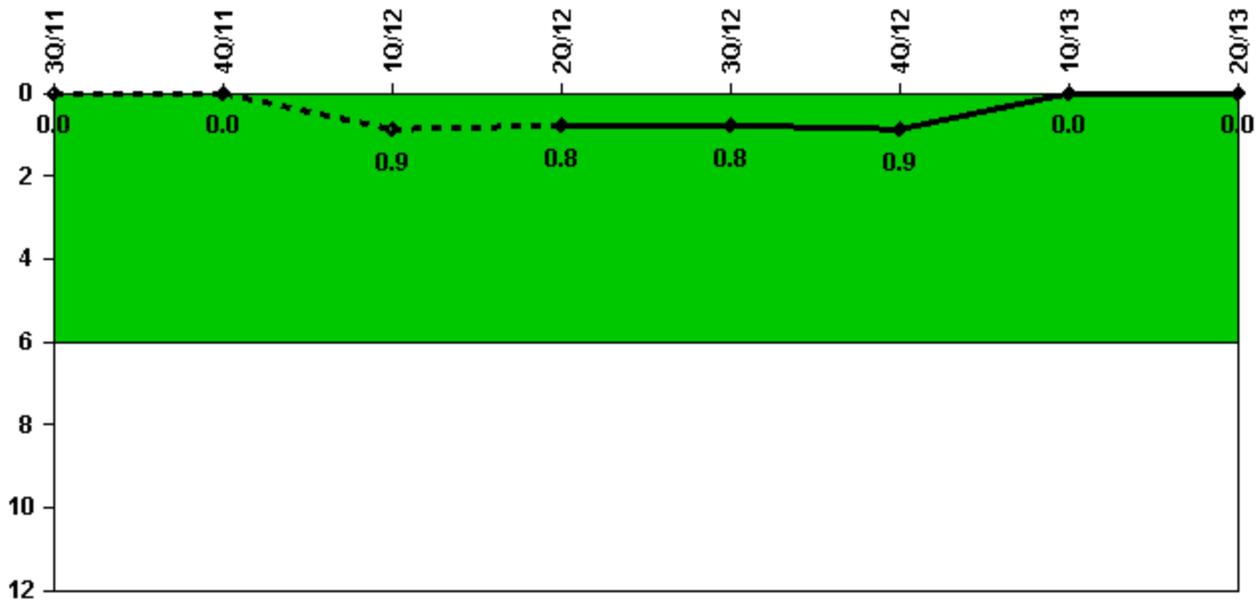
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	1336.1	2159.0	2078.8
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



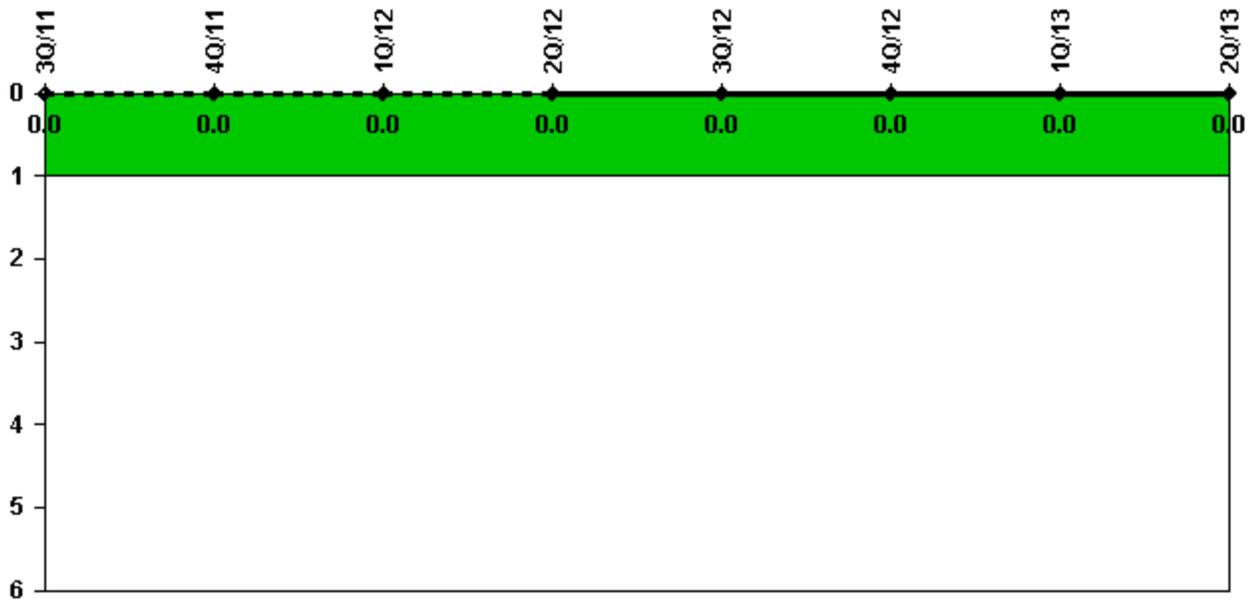
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	1336.1	2159.0	2078.8
Indicator value	0	0	0.9	0.8	0.8	0.9	0	0

Licensee Comments: none

Unplanned Scrams with Complications



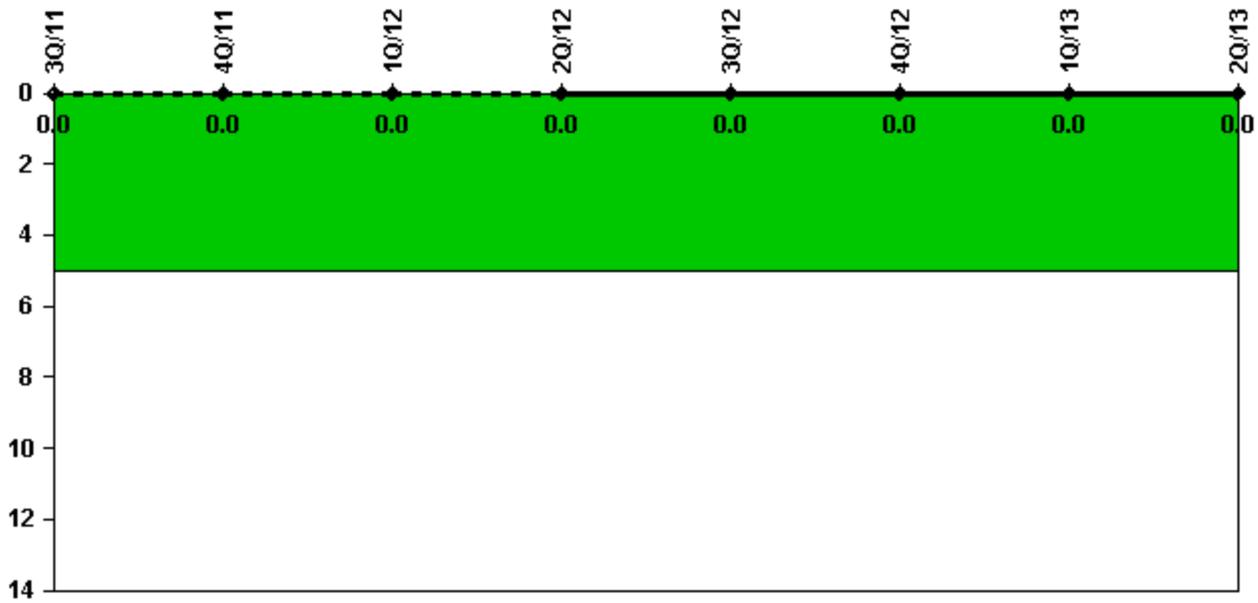
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0							

Licensee Comments: none

Safety System Functional Failures (PWR)



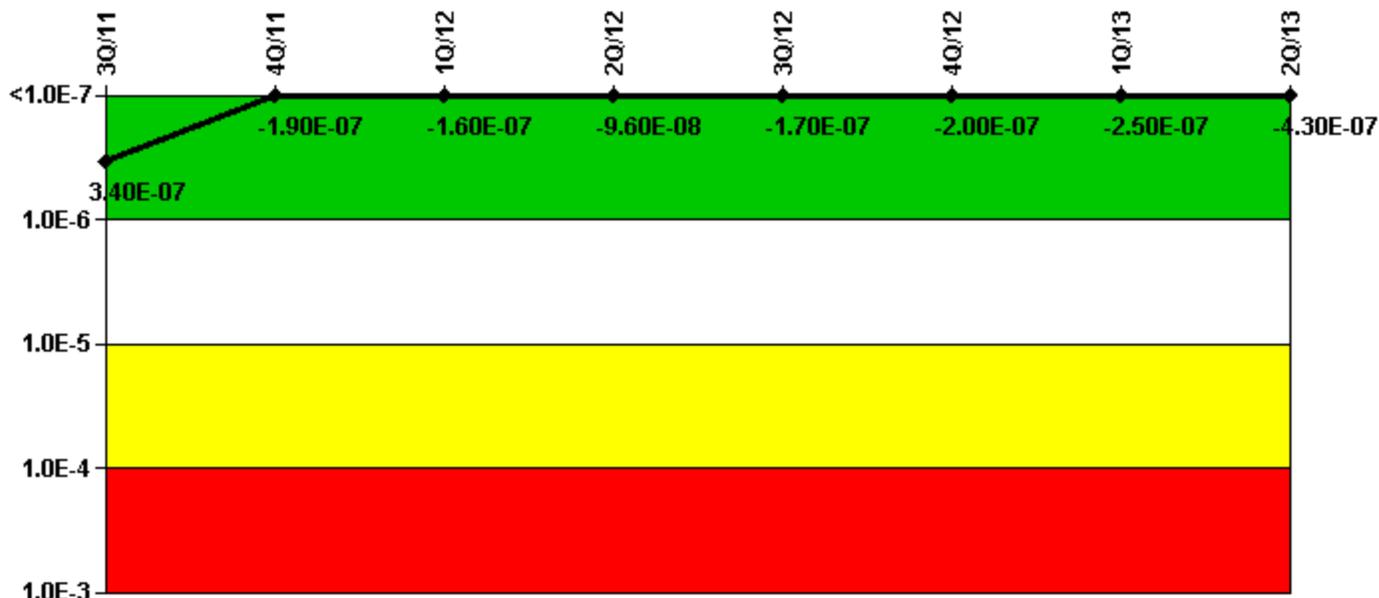
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	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	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	7.17E-07	1.82E-07	2.12E-07	2.72E-07	1.97E-07	1.61E-07	1.07E-07	9.14E-08
URI (ΔCDF)	-3.74E-07	-3.74E-07	-3.71E-07	-3.68E-07	-3.64E-07	-3.61E-07	-3.58E-07	-5.26E-07
PLE	NO							
Indicator value	3.40E-07	-1.90E-07	-1.60E-07	-9.60E-08	-1.70E-07	-2.00E-07	-2.50E-07	-4.30E-07

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA co-efficients were revised due to PRA Model Revision 7.2 approved 1Q13.

1Q/13: The Planned UA Baseline coefficient for EDG B (DG 12 Unit 1) was updated to remove unavailable hours related to 5 year preventive maintenance. At the same time, the Planned UA Baseline Coefficient for EDG B required the addition of unavailable hours related to a 15 year FOST. This resulted in no change to the coefficient. The MSPI bases document was revised to reflect these changes. This change will be effective 2Q13. NOTE: The change due to the 5 year preventive maintenance should have been made effective in 1Q13. This error had no effect on the color of the indicator. CR 13-3083 was written.

3Q/12: The Planned UA Baseline coefficient for EDG C (DG 13 Unit 1) was updated to remove unavailable hours related to 5 year preventive maintenance. In addition, the MSPI bases document was revised to reflect this change. This change will be effective 4Q12.

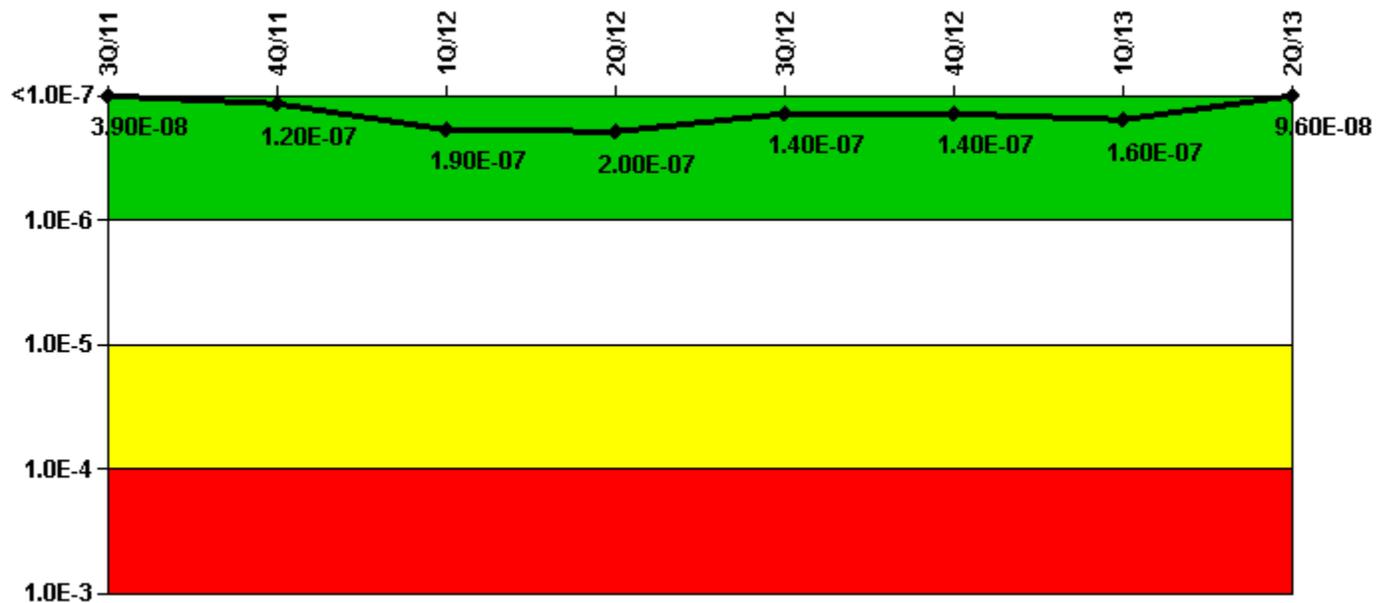
1Q/12: 1Q12: Changes to the MSPI Bases Document for MSPI coefficients should have been made during 4Q11 in

acordance with FAQ 480. CR 12-404 was written to ensure that FAQ 480 was implemented. The EDG estimated run hours were updated for U1 & U2 EDGs as required by FAQ and the MSPI Bases Document has now been updated.

4Q/11: While no changes to the MSPI Bases Document tor MSPI coefficients were made during the 4Q11, changes were required in accordance with FAQ 480. CR 12-404 was written to ensure that FAQ 480 is implemneted and to update the EDG estimated run hours for Unit 1 EDGs as required by FAQ. These changes will be completed prior to submission of the 1Q12 data when the changes should be effective.

3Q/11: The Planned UA Baseline coefficient for EDG B (DG 12 Unit 1) was updated to reflect planned 5 year preventive maintenance in January 2010. These hours had not been incorporated into the bases document/CDE database previously. Reference CR 11-542-7. The Planned UA Baseline coefficient for EDG C (DG 13 Unit 1) was updated to reflect planned 5 year preventive maintenance in November 2009. These hours had not been incorporated into the bases document/CDE database previously. Reference CR 11-542-7. These changes will be effective 4Q11.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

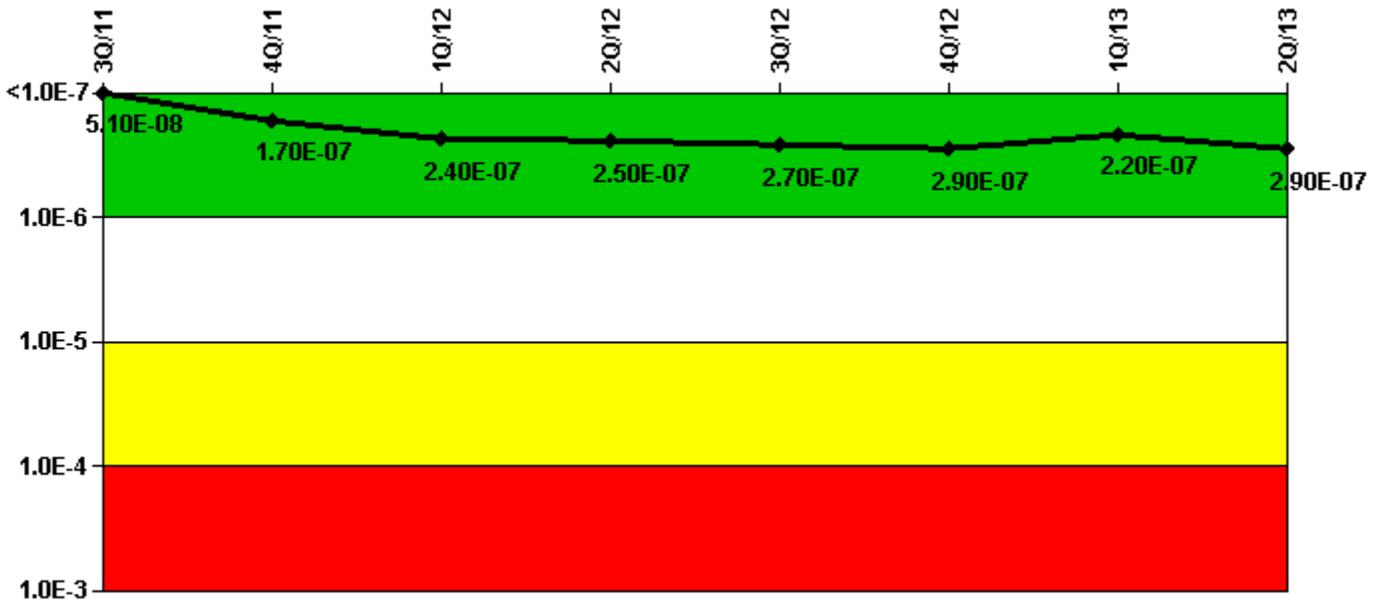
Mitigating Systems Performance Index, High Pressure Injection System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	5.06E-08	1.34E-07	1.97E-07	2.15E-07	1.54E-07	1.48E-07	1.70E-07	1.21E-07
URI (ΔCDF)	-1.16E-08	-2.53E-08						
PLE	NO							

Indicator value	3.90E-08	1.20E-07	1.90E-07	2.00E-07	1.40E-07	1.40E-07	1.60E-07	9.60E-08

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA co-efficients were revised due to PRA Model Revision 7.2 approved 1Q13.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

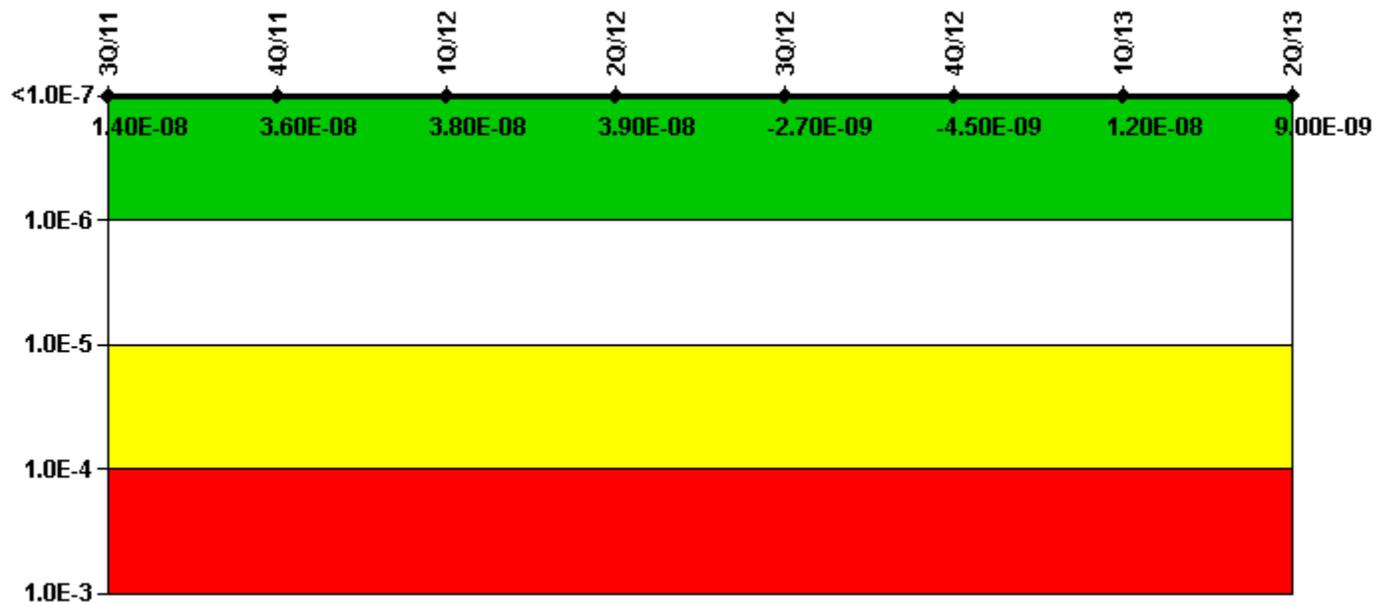
Mitigating Systems Performance Index, Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	1.37E-07	1.96E-07	2.66E-07	2.80E-07	2.92E-07	3.11E-07	2.39E-07	2.87E-07
URI (ΔCDF)	-8.55E-08	-2.72E-08	-2.65E-08	-2.57E-08	-2.49E-08	-2.41E-08	-2.33E-08	4.80E-10
PLE	NO							
Indicator value	5.10E-08	1.70E-07	2.40E-07	2.50E-07	2.70E-07	2.90E-07	2.20E-07	2.90E-07

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA co-efficients were revised due to PRA Model Revision 7.2 approved 1Q13.

4Q/11: October - Unit 1 AFW-C MOV-85 failure documented under SCAQ CR 11-19073.

Mitigating Systems Performance Index, Residual Heat Removal System



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

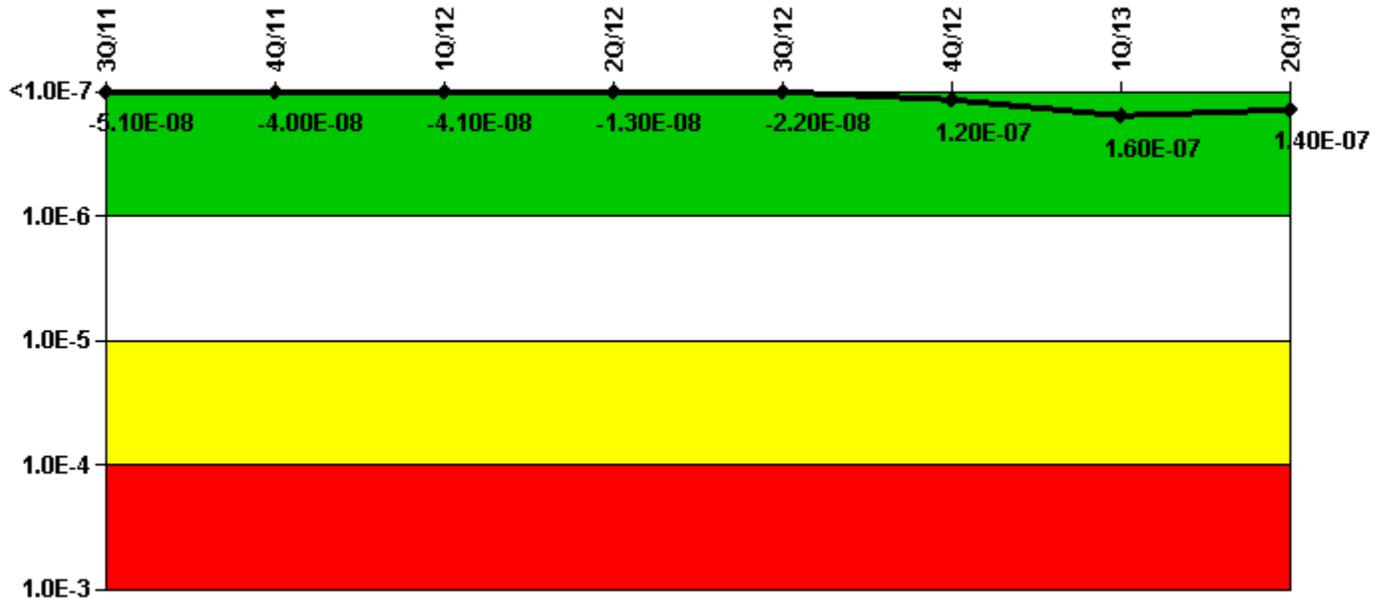
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	1.59E-08	3.86E-08	3.99E-08	4.14E-08	-4.21E-10	-2.26E-09	1.44E-08	2.04E-08
URI (Δ CDF)	-2.25E-09	-1.14E-08						
PLE	NO							
Indicator value	1.40E-08	3.60E-08	3.80E-08	3.90E-08	-2.70E-09	-4.50E-09	1.20E-08	9.00E-09

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA co-efficients were revised due to PRA Model Revision 7.2 approved 1Q13.

Mitigating Systems Performance Index, Cooling Water Systems



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

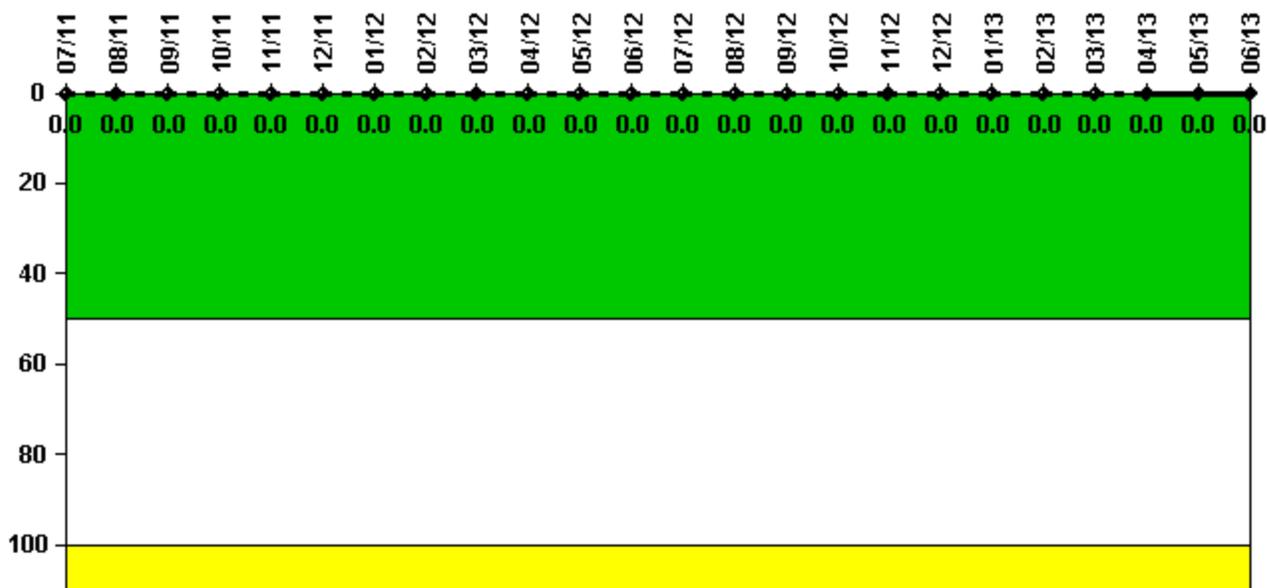
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-1.11E-08	3.37E-11	-1.71E-09	2.63E-08	1.73E-08	-2.09E-09	3.86E-08	3.45E-08
URI (Δ CDF)	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	1.18E-07	1.18E-07	1.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.10E-08	-4.00E-08	-4.10E-08	-1.30E-08	-2.20E-08	1.20E-07	1.60E-07	1.40E-07

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA co-efficients were revised due to PRA Model Revision 7.2 approved 1Q13.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

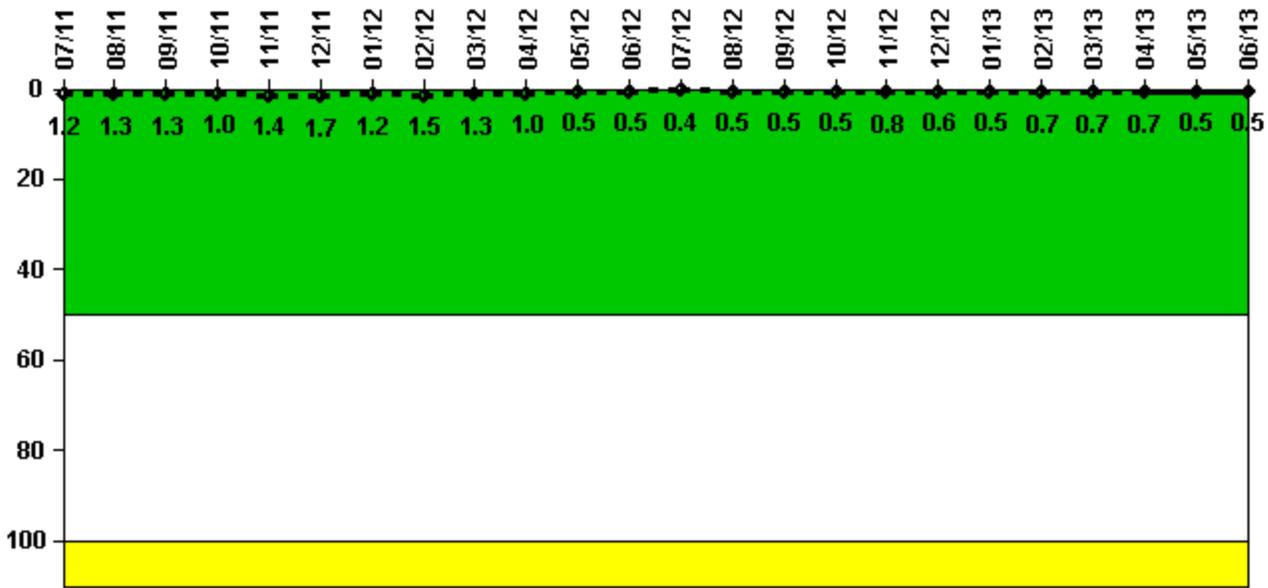
Notes

Reactor Coolant System Activity	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum activity	0.000045	0.000044	0.000050	0.000051	0.000053	0.000057	0.000057	0.000060	0.000057	0.000064	0.000065	0.000057
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	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum activity	0.000061	0.000060	0.000065	0.000066	0	0.000025	0.000029	0.000033	0.000028	0.000038	0.000036	0.000034
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

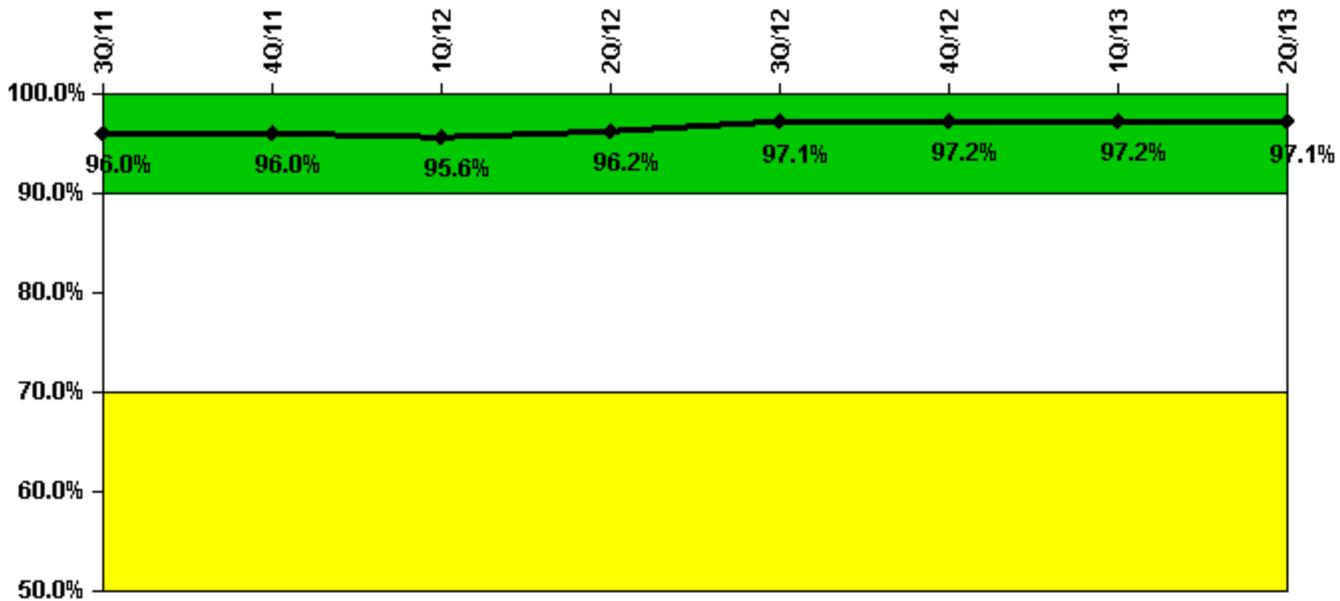
Notes

Reactor Coolant System Leakage	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum leakage	0.118	0.126	0.134	0.104	0.135	0.167	0.123	0.149	0.133	0.101	0.048	0.049
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	1.2	1.3	1.3	1.0	1.4	1.7	1.2	1.5	1.3	1.0	0.5	0.5

Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.042	0.047	0.048	0.052	0.075	0.055	0.049	0.065	0.072	0.067	0.052	0.052
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	0.5	0.5	0.8	0.6	0.5	0.7	0.7	0.7	0.5	0.5

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	99.0	0	16.0	12.0	68.0	28.0	6.0	3.0
Total opportunities	101.0	0	19.0	12.0	70.0	28.0	6.0	3.0
Indicator value	96.0%	96.0%	95.6%	96.2%	97.1%	97.2%	97.2%	97.1%

Licensee Comments:

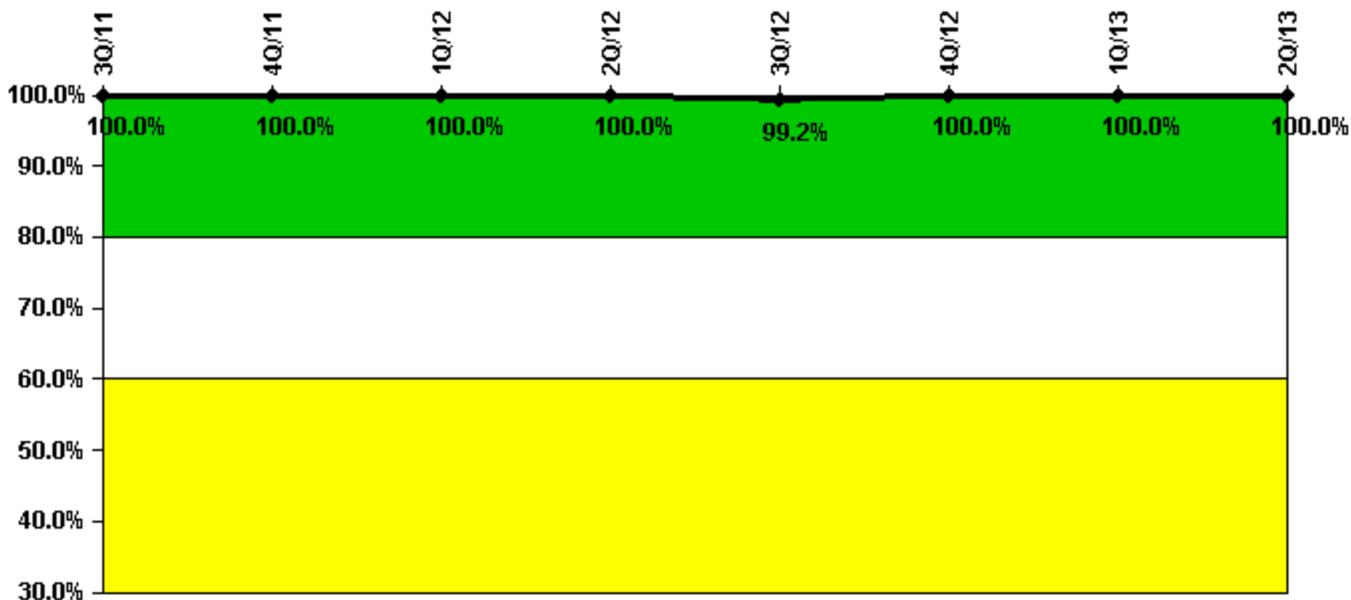
4Q/12: Corrected Successful opportunities in Q3/2013 due to missed emergency classification in September 2012. (CR 13-650)

3Q/12: Corrected Successful opportunities in 3Q12 due to missed emergency classification in September 2012. (CR 13-650)

2Q/12: Revised 3Q11 DEP after NRC Inspection of raw data, removed 1 PAR & 2 Classification Opportunities. Previous DEP reported as 102 successes of 104 opportunities. (CR 12-21362). This did not affect the color of the indicator.

3Q/11: 3Q11 revised DEP after NRC Inspection of raw data, removed 1 PAR & 2 Classification Opportunities. Previous DEP reported as 102 successes of 104 opportunities.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	139.0	136.0	122.0	123.0	122.0	123.0	126.0	120.0
Total Key personnel	139.0	136.0	122.0	123.0	123.0	123.0	126.0	120.0
Indicator value	100.0%	100.0%	100.0%	100.0%	99.2%	100.0%	100.0%	100.0%

Licensee Comments:

2Q/13: Correction to Total counted and participated numbers for 1Q11, 2Q11, 3Q11, 4Q11, 1Q12, 2Q12, 3Q12, 4Q12. The changes did not affect the color of the indicator. CR 13-5434

4Q/12: Corrected total Participating key personnel in Q3/2012. Failed to account for Shift Communicator who missed a PI opportunity in the previous 8 quarters. (CR 13-650)

4Q/12: Corrected total Participating key personnel in Q3/2012. Failed to account for Shift Communicator who missed a PI opportunity in the previous 8 quarters. (CR 13-650) Total counted and participated numbers changed. Percent did not change. CR 13-5434

3Q/12: Corrected total participating key personnel in 3Q12. Failed to account for Shift Communicator who missed a PI opportunity in the previous 8 quarters. (CR 13-650). Total counted and participated numbers changed. Percent did not change. CR 13-5434

3Q/12: Corrected total participating key personnel in 3Q12. Failed to account for Shift Communicator who missed a PI opportunity in the previous 8 quarters. (CR 13-650).

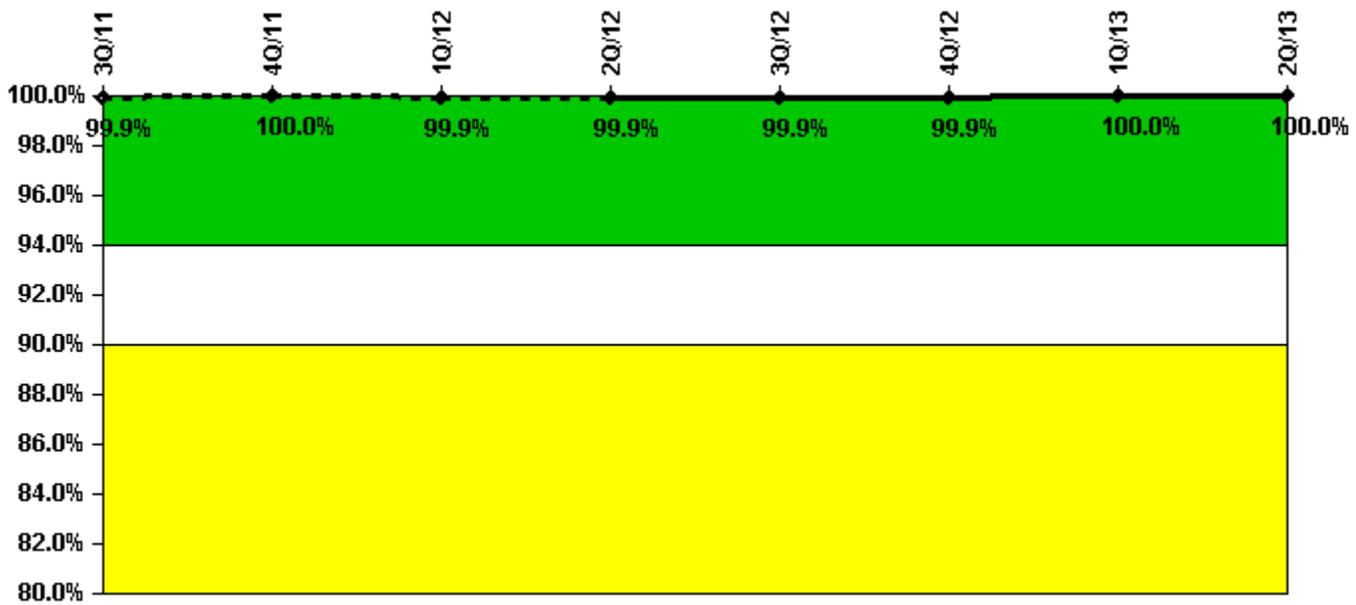
2Q/12: Total counted and participated numbers changed. Percent did not change. CR 13-5434

1Q/12: Total counted and participated numbers changed. Percent did not change. CR 13-5434

4Q/11: Total counted and participated numbers changed. Percent did not change. CR 13-5434

3Q/11: Total counted and participated numbers changed. Percent did not change. CR 13-5434

Alert & Notification System



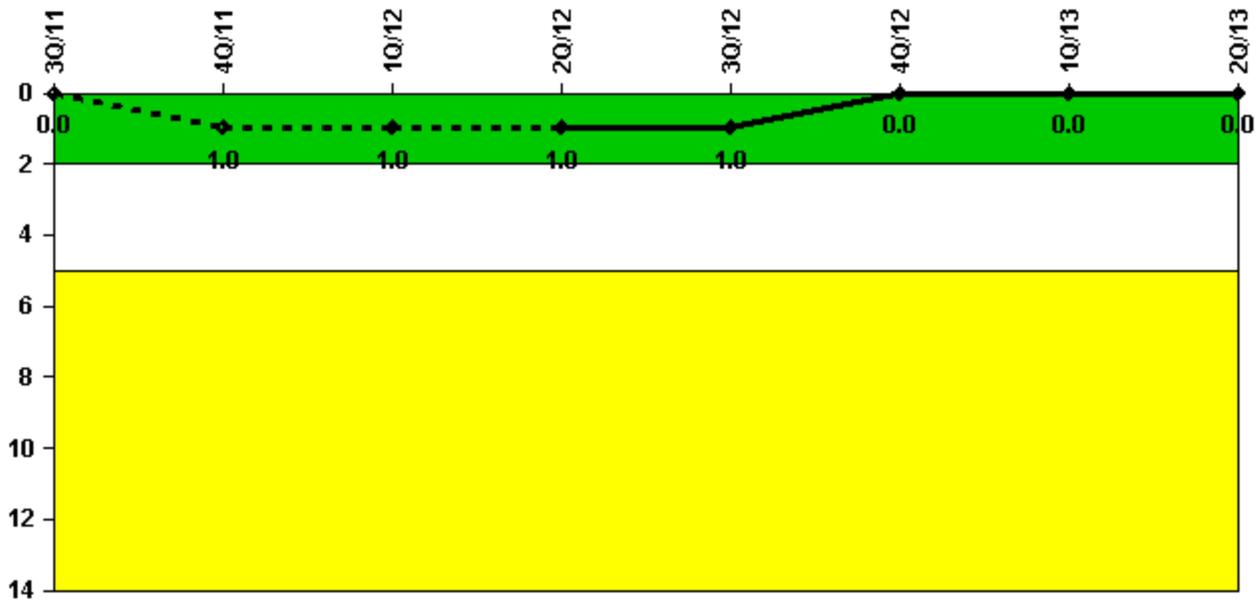
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	256	256	255	256	256	224	288	224
Total sirens-tests	256	256	256	256	256	224	288	224
Indicator value	99.9%	100.0%	99.9%	99.9%	99.9%	99.9%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



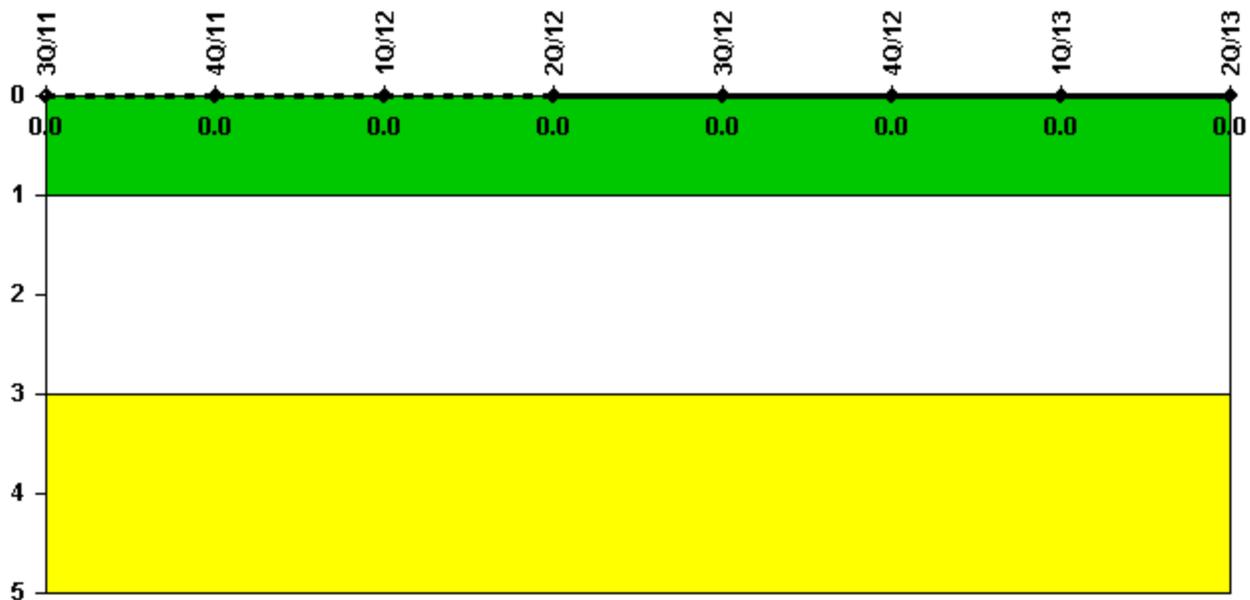
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/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	1	0	0	0	0	0	0
Indicator value	0	1	1	1	1	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
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: August 19, 2013