

South Texas 2

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



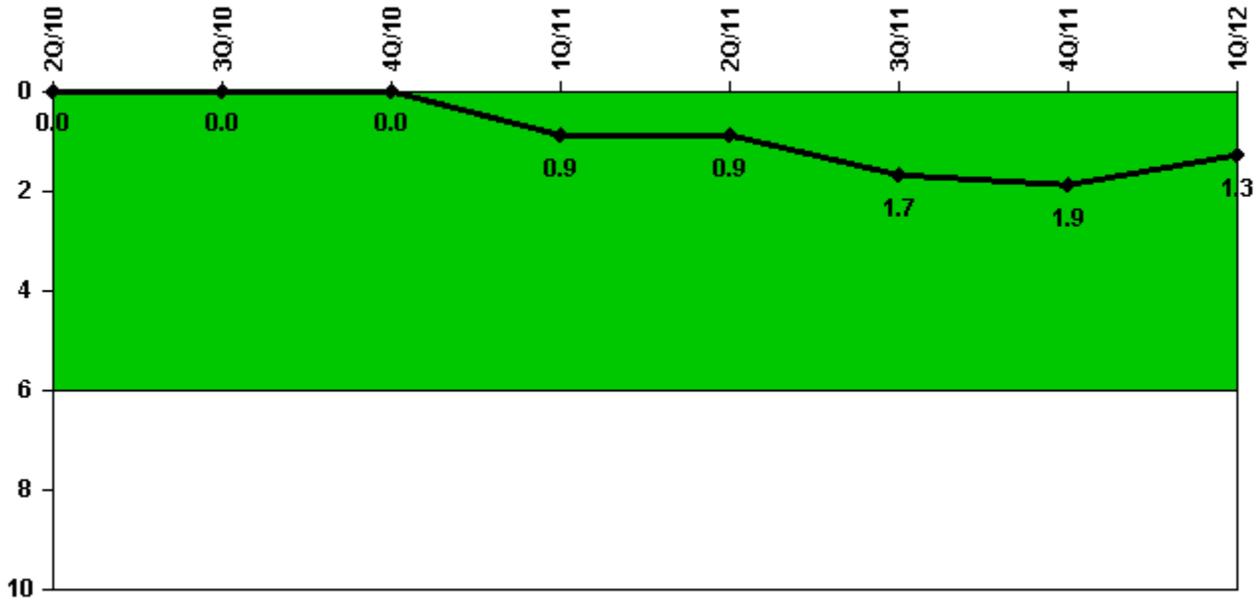
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	1.0	0	0	0	1.0	0
Critical hours	1469.6	2208.0	1674.0	2159.0	2184.0	2208.0	868.4	0
Indicator value	0	0	0.9	0.9	0.9	0.9	0.9	1.3

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



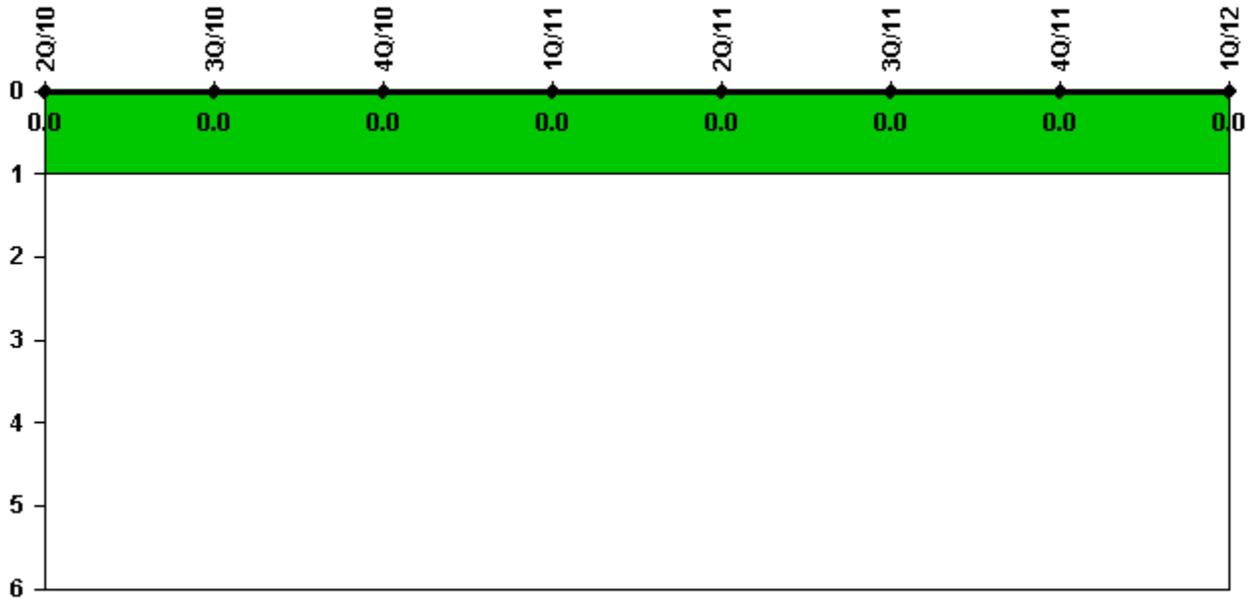
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	1.0	0	1.0	0	0
Critical hours	1469.6	2208.0	1674.0	2159.0	2184.0	2208.0	868.4	0
Indicator value	0	0	0	0.9	0.9	1.7	1.9	1.3

Licensee Comments: none

Unplanned Scrams with Complications



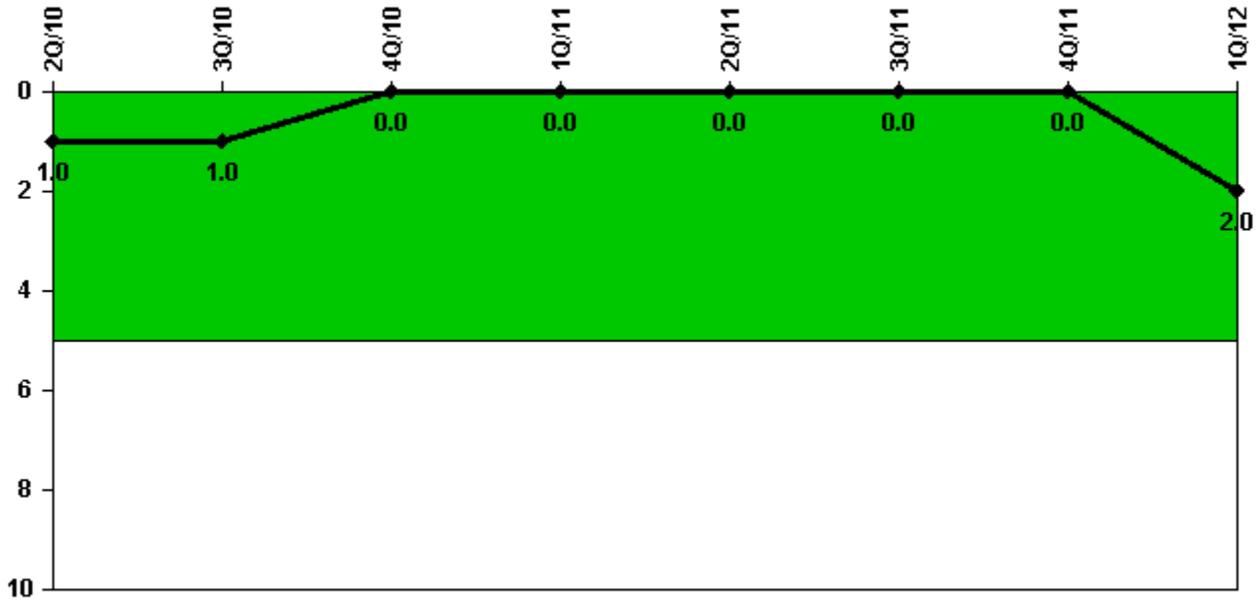
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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

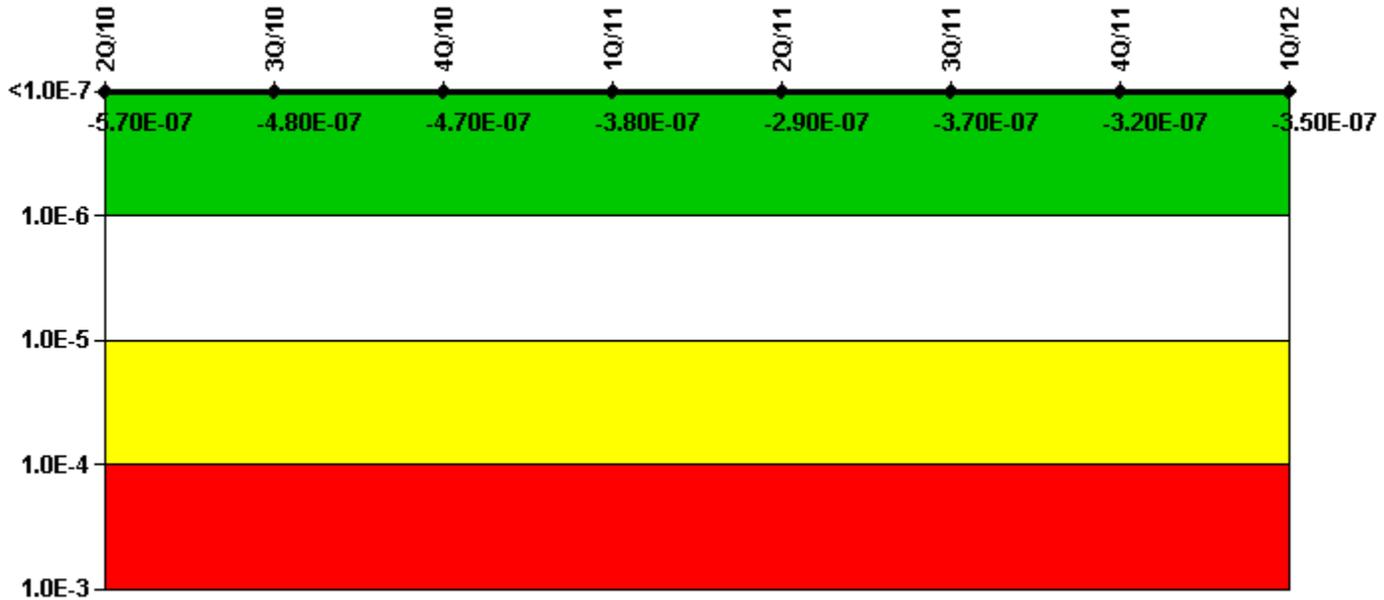
Safety System Functional Failures (PWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	0	0	0	0	0	0	2
Indicator value	1	1	0	0	0	0	0	2

Licensee Comments:

1Q/12: Investigation determined in Nov 2011 (2RE15) and also April 2010 (2RE14) U2 transitioned from Mode 4 to Mode 3 with both channels of SSPS generated turbine trip signals defeated. Reported in LER-2-2011-3 - U2 mode change with turbine trip disabled.

2Q/10: Changed SSFF date from 4Q08 to 4Q09. LER 2-08-002 R0 on 10/08 did not consider SSFF. Re-submitted LER 2-08-002 R1 on 10/09. NRC's position is that SSFF date should correspond to the LER report date. Correction did not result in color change.

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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-1.69E-07	-9.95E-08	-9.38E-08	-3.46E-10	9.16E-08	1.37E-08	6.02E-08	2.53E-08
URI (Δ CDF)	-3.99E-07	-3.78E-07	-3.80E-07	-3.80E-07	-3.80E-07	-3.80E-07	-3.80E-07	-3.77E-07
PLE	NO							
Indicator value	-5.70E-07	-4.80E-07	-4.70E-07	-3.80E-07	-2.90E-07	-3.70E-07	-3.20E-07	-3.50E-07

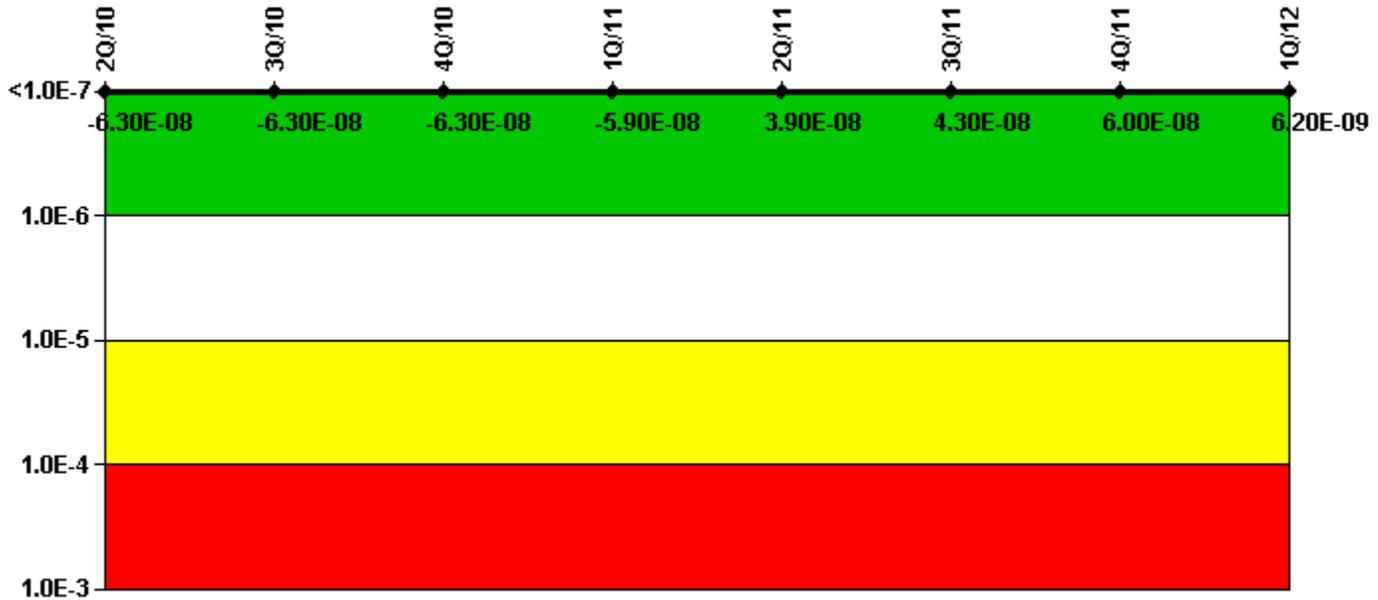
Licensee Comments:

1Q/12: 1Q12: Changes to the MSPI Bases Document for MSPI coefficients should have been made during 4Q11 in accordance 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. 1Q12 - Unit 2 was in a Forced Outage (F1102) January - March 2012.

3Q/11: Corrected EDG 23 Actual ESF Non-Test run hours and demands for November 2010. Data was inadvertently transposed. Reference CR 11-12704. The corrections did not affect the color of the indicators.

4Q/10: Corrected EDG 23 Actual ESF Non-Test run hours and demands for November 2010. Data was inadvertently transposed. Reference CR 11-12704. The corrections did not affect the color of the indicators.

Mitigating Systems Performance Index, High Pressure Injection System



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

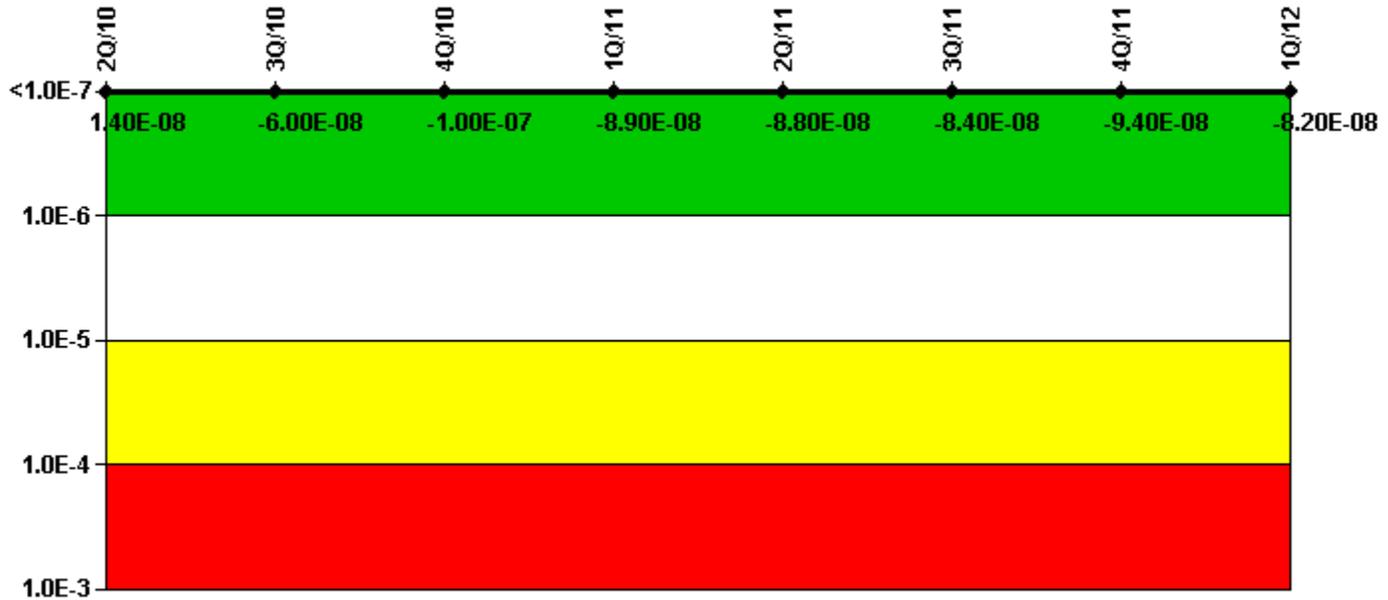
Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-5.11E-08	-5.11E-08	-5.11E-08	-4.78E-08	5.06E-08	5.46E-08	7.15E-08	1.78E-08
URI (Δ CDF)	-1.16E-08							
PLE	NO							
Indicator value	-6.30E-08	-6.30E-08	-6.30E-08	-5.90E-08	3.90E-08	4.30E-08	6.00E-08	6.20E-09

Licensee Comments:

1Q/12: 1Q12 - Unit 2 was in a Forced Outage (F1102) January - March 2012.

Mitigating Systems Performance Index, Heat Removal System



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

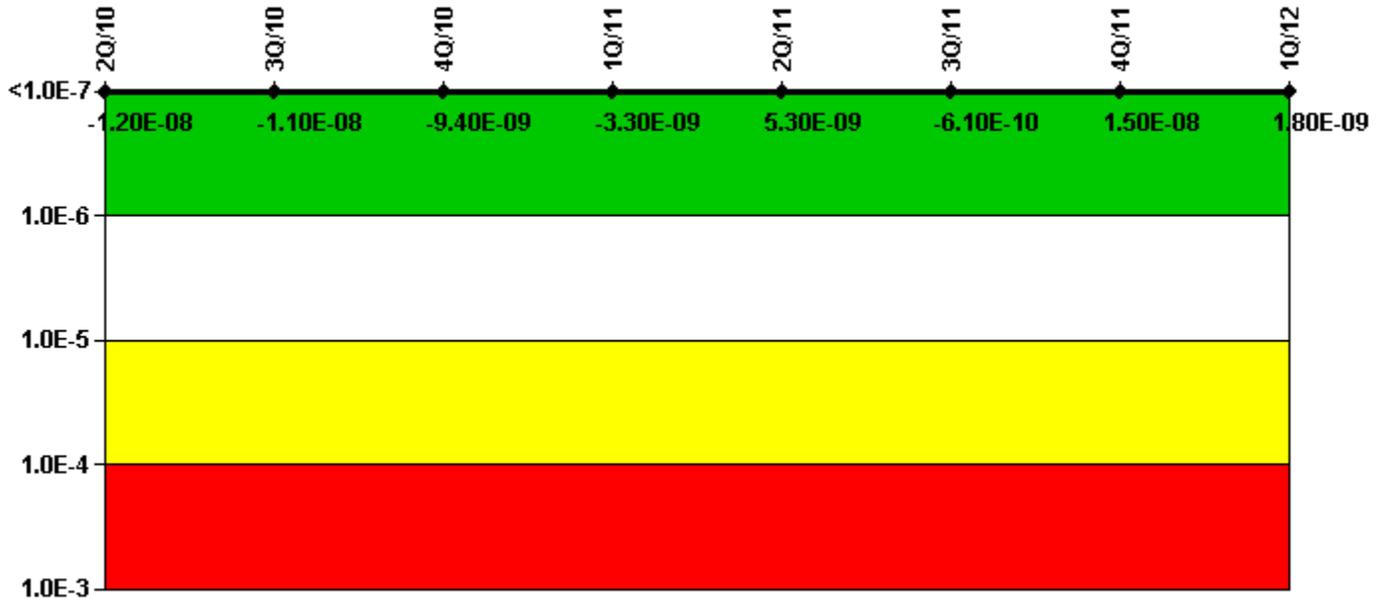
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	9.93E-08	2.54E-08	-1.36E-08	-3.59E-09	-2.57E-09	8.05E-10	-9.36E-09	1.62E-09
URI (Δ CDF)	-8.56E-08	-8.52E-08	-8.63E-08	-8.58E-08	-8.52E-08	-8.45E-08	-8.48E-08	-8.41E-08
PLE	NO							
Indicator value	1.40E-08	-6.00E-08	-1.00E-07	-8.90E-08	-8.80E-08	-8.40E-08	-9.40E-08	-8.20E-08

Licensee Comments:

1Q/12: 1Q12 - Unit 2 was in a Forced Outage (F1102) January - March 2012.

Mitigating Systems Performance Index, Residual Heat Removal System



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

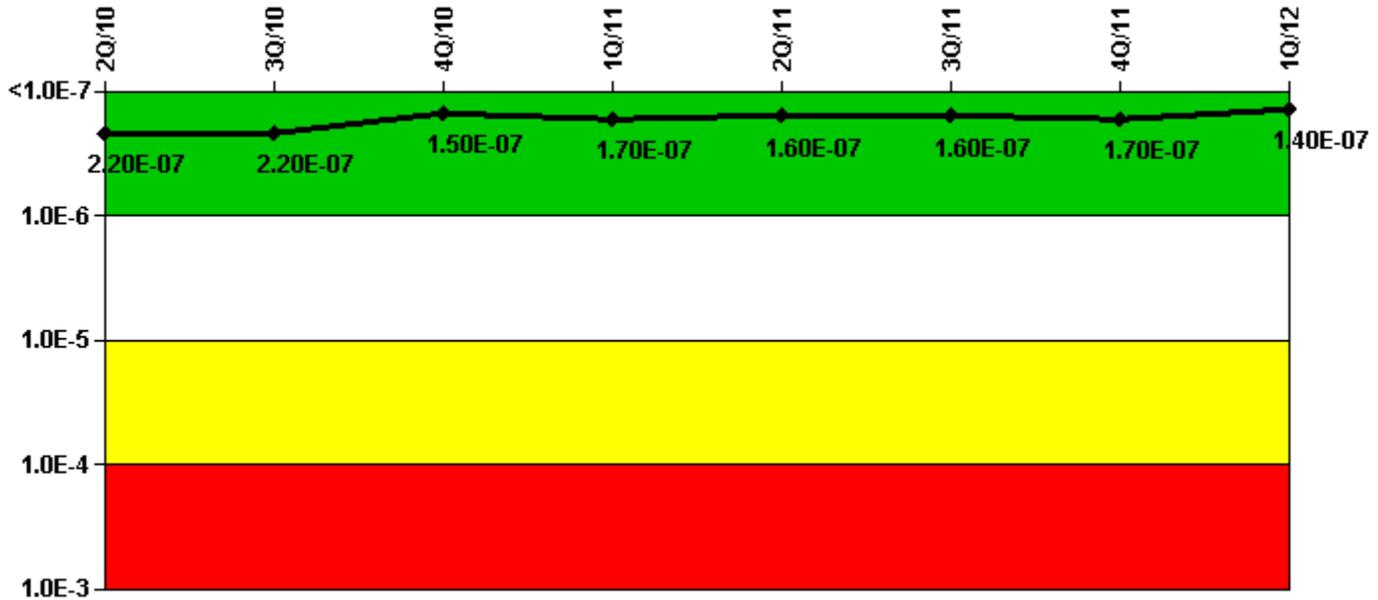
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-9.64E-09	-8.57E-09	-7.14E-09	-1.10E-09	7.54E-09	1.64E-09	1.74E-08	4.04E-09
URI (Δ CDF)	-2.28E-09	-2.25E-09						
PLE	NO							
Indicator value	-1.20E-08	-1.10E-08	-9.40E-09	-3.30E-09	5.30E-09	-6.10E-10	1.50E-08	1.80E-09

Licensee Comments:

1Q/12: 1Q12 - Unit 2 was in a Forced Outage (F1102) January - March 2012.

Mitigating Systems Performance Index, Cooling Water Systems



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

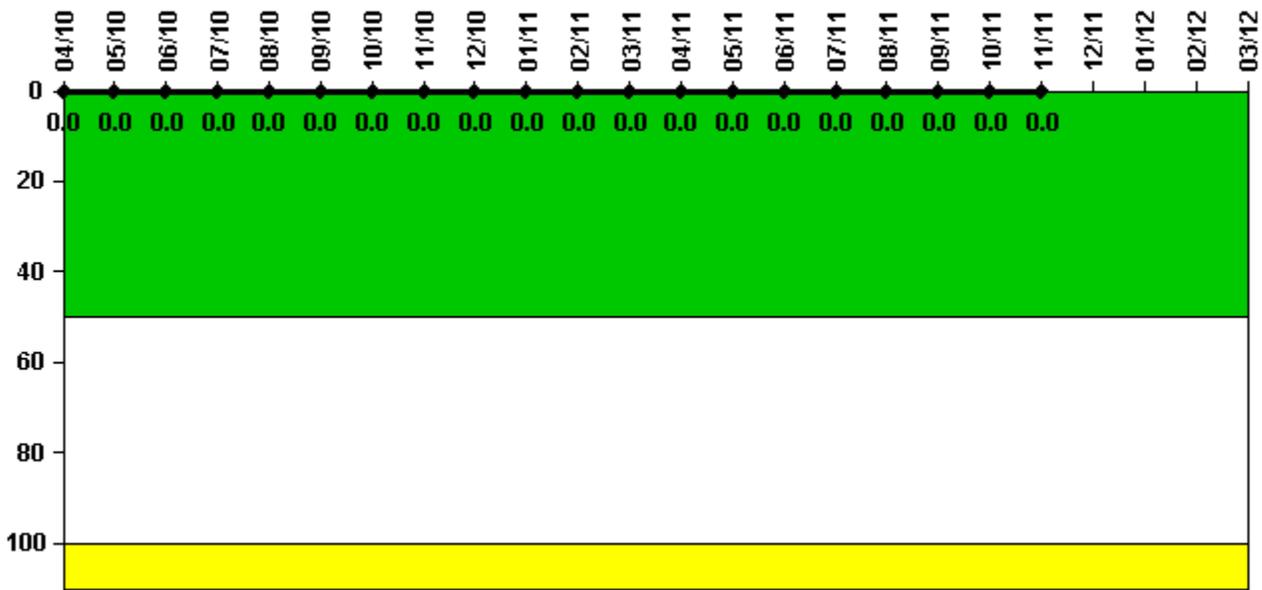
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	1.08E-07	1.05E-07	3.64E-08	4.76E-08	4.70E-08	4.40E-08	4.81E-08	2.66E-08
URI (ΔCDF)	1.13E-07	1.18E-07						
PLE	NO							
Indicator value	2.20E-07	2.20E-07	1.50E-07	1.70E-07	1.60E-07	1.60E-07	1.70E-07	1.40E-07

Licensee Comments:

1Q/12: 1Q12 - Unit 2 was in a Forced Outage (F1102) January - March 2012.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum activity	0	0.000093	0.000187	0.000067	0.000065	0.000073	0.000097	0.000083	0.000079	0.000095	0.000094	0.000090
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	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	0.000096	0.000110	0.000109	0.000110	0.000107	0.000120	0.000120	0.000050	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A

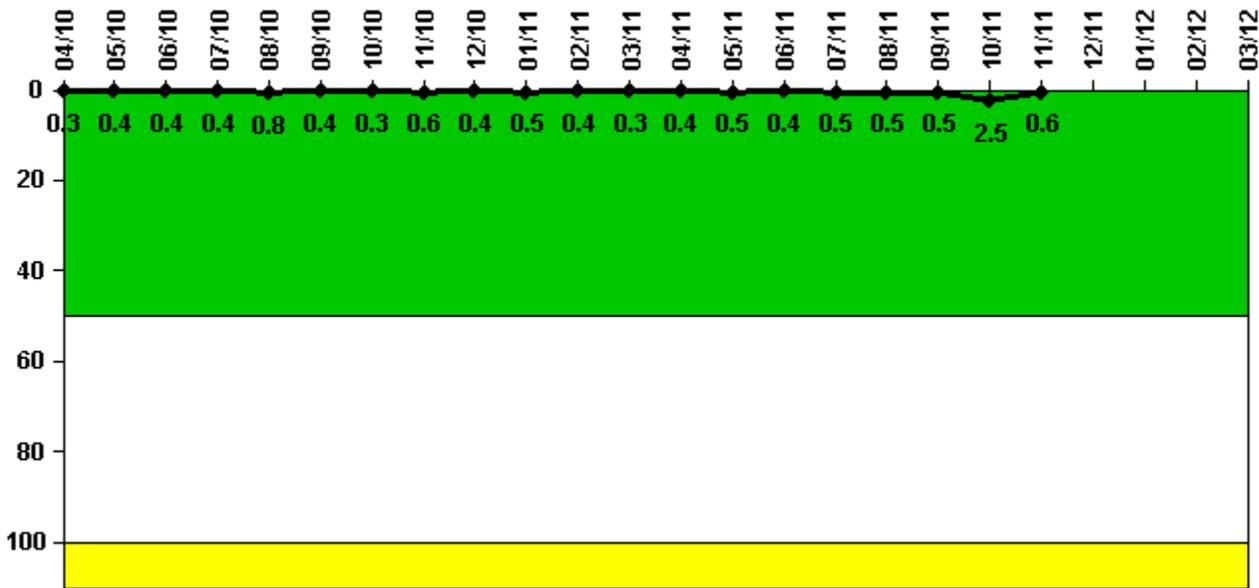
Licensee Comments:

3/12: U2 Rx trip on 11/29/11 due to Main Generator fault CR 11-28753, LER 2-11-002. U2 entered Mode 5 on 11/30/11. U2 remained in Mode 5 in a Forced Outage (F1102) through March 2012, therefore, the RCS Max I-131 Activity surveillance was not required to be performed. Inadvertently placed 0 in the field in December instead of not entering a value. Corrected the data field and status field to reflect NA-Final NA. as specified in NEI 99-02.

3/12: U2 Rx trip on 11/29/11 due to Main Generator fault CR 11-28753, LER 2-11-002. U2 entered Mode 5 on 11/30/11. U2 remained in Mode 5 in a Forced Outage (F1102) through March 2012, therefore, the RCS Max I-131 Activity surveillance was not required to be performed. Inadvertently placed 0 in the field in December instead of not entering a value. Corrected the data field and status field to reflect NA-Final NA. as specified in NEI 99-02.

12/11: U2 Rx trip on 11/29/11 0350 due to Main Gen. fault, CR 11-28753, LER 2-11-002. U2 entered Mode 5 on 11/30/11 at 0942. U2 remained in Mode 5 for all of Dec; therefore, RCS Max I-131 Activity monitoring is not required. Inadvertently placed 0 in Dec.. Corrected to reflect NA-Final NA. as specified in NEI 99-002.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	0.030	0.041	0.041	0.044	0.081	0.042	0.034	0.057	0.043	0.045	0.036	0.032
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	0.4	0.4	0.4	0.8	0.4	0.3	0.6	0.4	0.5	0.4	0.3
Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	0.035	0.045	0.037	0.045	0.048	0.048	0.252	0.063	N/A	N/A	N/A	N/A
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	0.4	0.5	0.5	0.5	2.5	0.6	N/A	N/A	N/A	N/A

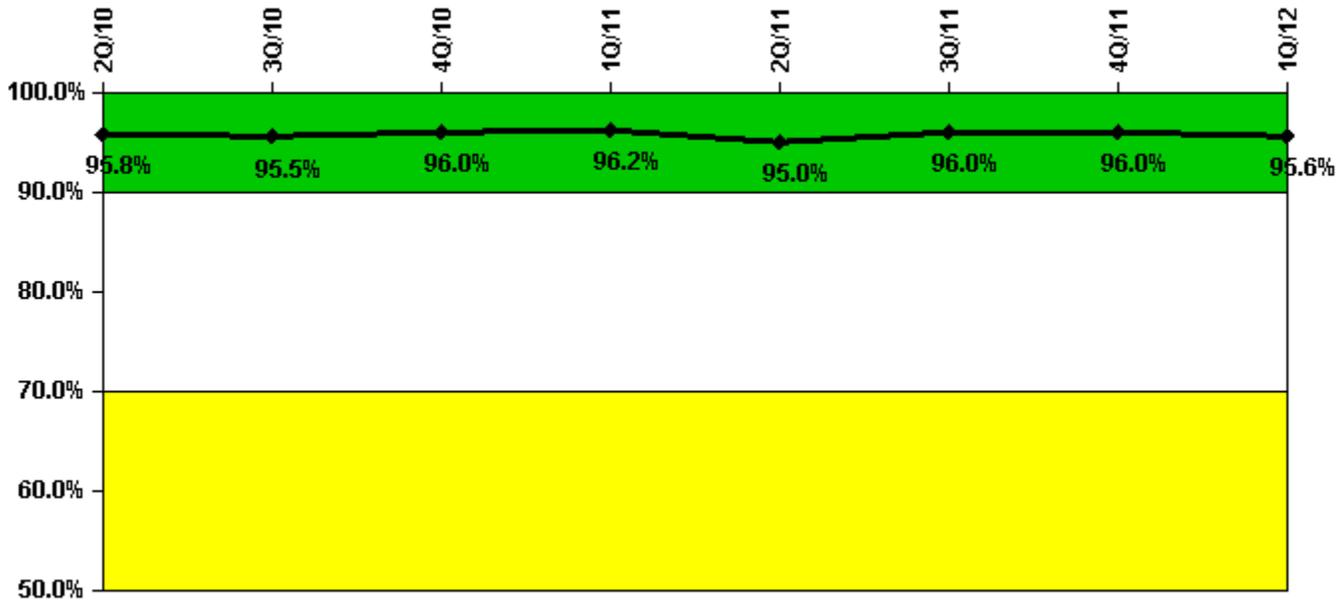
Licensee Comments:

3/12: U2 Rx trip on 11/29/11 due to Main Generator fault CR 11-28753, LER 2-11-002. U2 entered Mode 5 on 11/30/11. U2 remained in Mode 5 in a Forced Outage (F1102) through March 2012, therefore, the RCS Leakage surveillance was not required to be performed. Inadvertently placed 0 in the field in December instead of not entering a value. Corrected the data field and status field to reflect NA-Final NA. as specified in NEI 99-02.

3/12: U2 Rx trip on 11/29/11 due to Main Generator fault CR 11-28753, LER 2-11-002. U2 entered Mode 5 on 11/30/11. U2 remained in Mode 5 in a Forced Outage (F1102) through March 2012, therefore, the RCS Leakage surveillance was not required to be performed. Inadvertently placed 0 in the field in December instead of not entering a value. Corrected the data field and status field to reflect NA-Final NA. as specified in NEI 99-02.

12/11: U2 Rx trip on 11/29/11 0350 due to Main Gen. fault, CR 11-28753, LER 2-11-002. U2 entered Mode 5 on 11/30/11 at 0942. U2 remained in Mode 5 for all of Dec; therefore, RCS leakage surveillance is not required. Inadvertently placed 0 in Dec.. Corrected to reflect NA-Final NA. as specified in NEI 99-002.

Drill/Exercise Performance



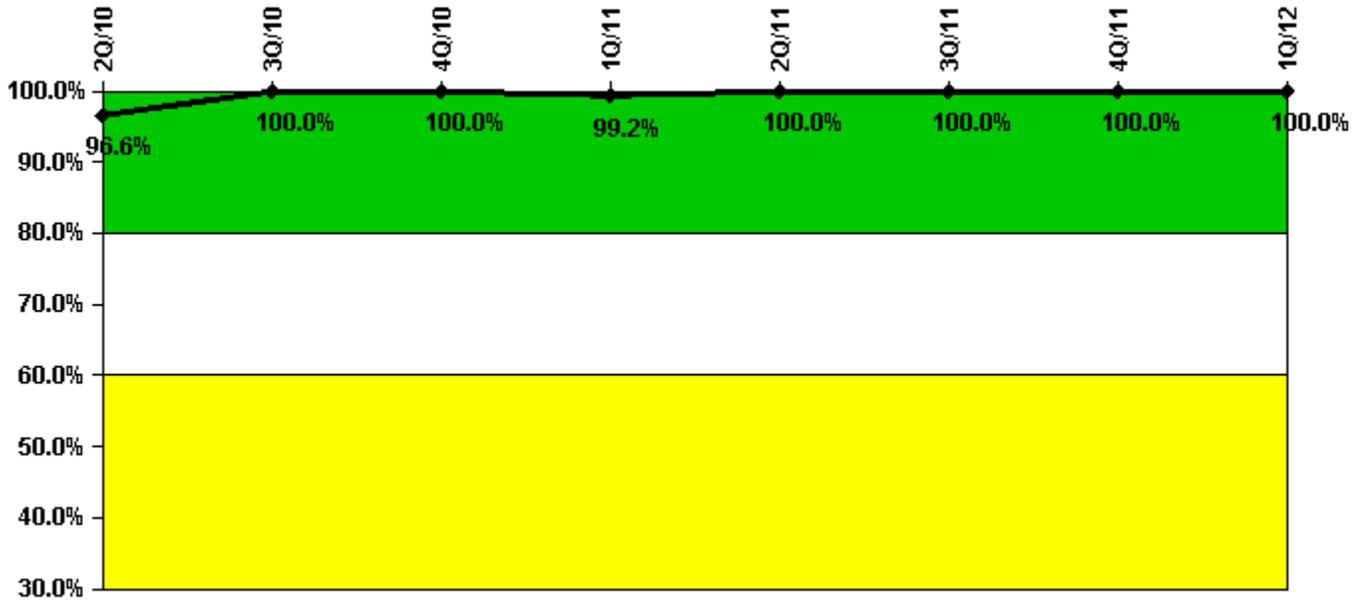
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	9.0	68.0	110.0	14.0	10.0	102.0	0	16.0
Total opportunities	11.0	73.0	113.0	14.0	10.0	104.0	0	19.0
Indicator value	95.8%	95.5%	96.0%	96.2%	95.0%	96.0%	96.0%	95.6%

Licensee Comments: none

ERO Drill Participation



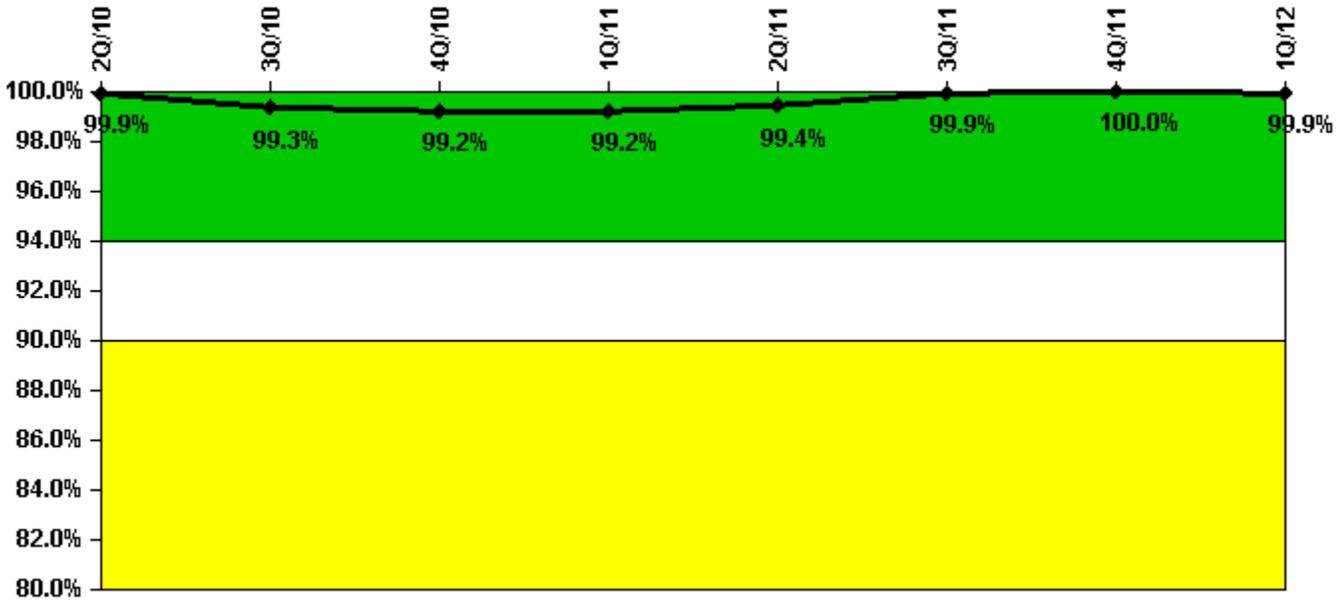
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	113.0	117.0	126.0	125.0	125.0	138.0	135.0	121.0
Total Key personnel	117.0	117.0	126.0	126.0	125.0	138.0	135.0	121.0
Indicator value	96.6%	100.0%	100.0%	99.2%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



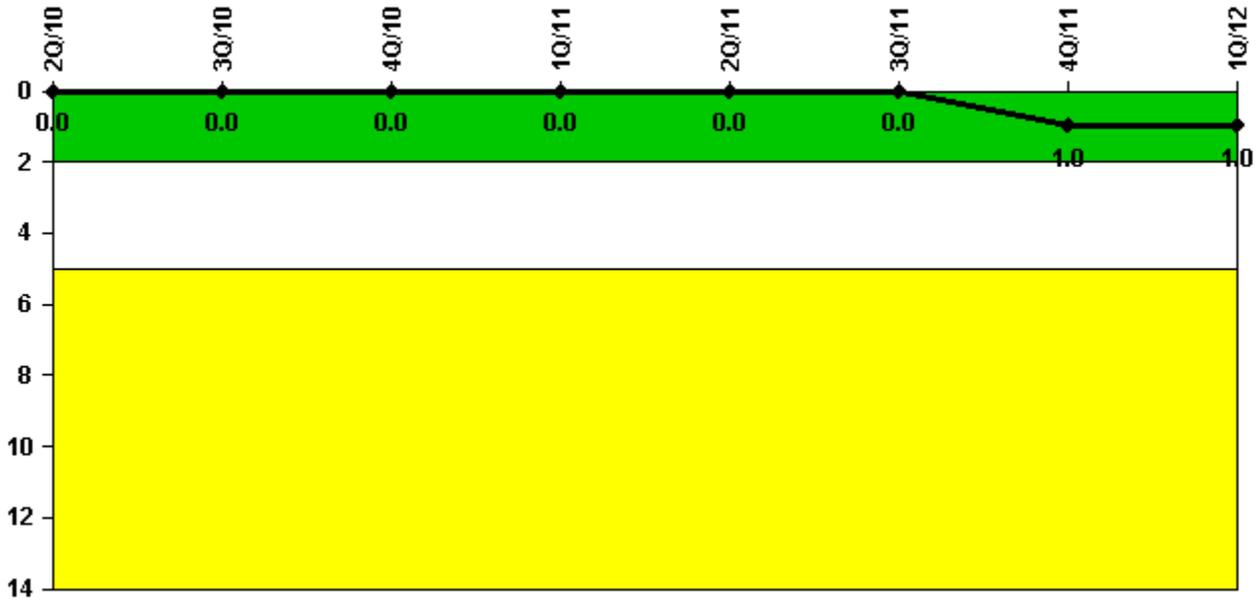
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	191	219	223	256	224	256	256	255
Total sirens-tests	192	224	224	256	224	256	256	256
Indicator value	99.9%	99.3%	99.2%	99.2%	99.4%	99.9%	100.0%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

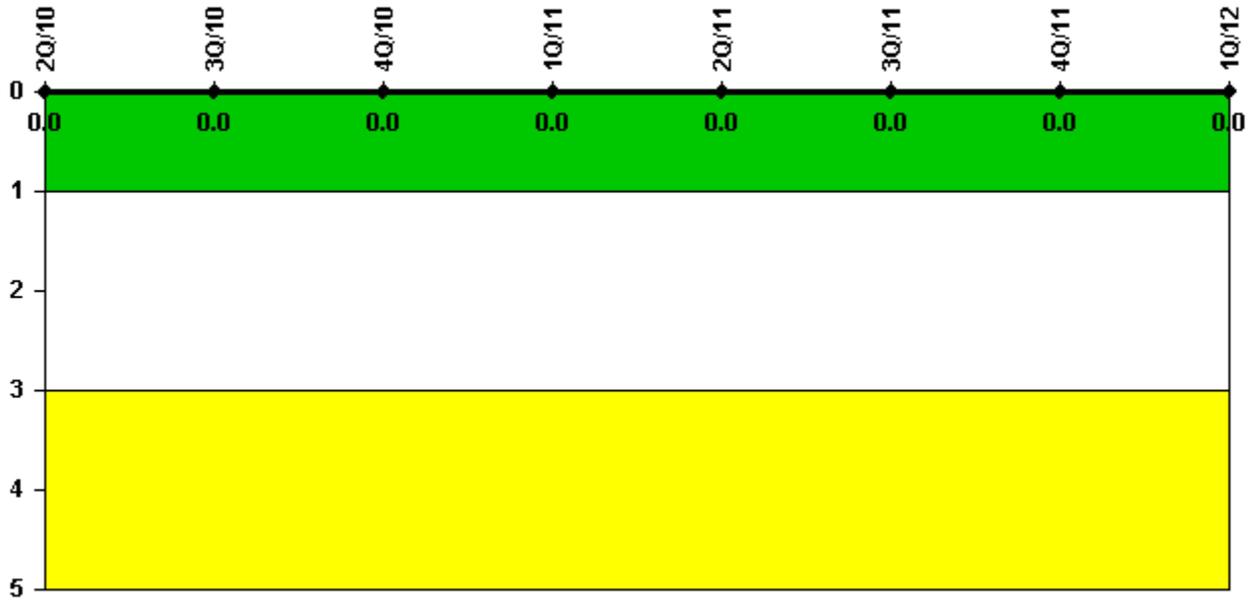
Notes

Occupational Exposure Control Effectiveness	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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	1	0
Indicator value	0	0	0	0	0	0	1	1

Licensee Comments:

4Q/11: U2 Nov. Unintended exposure occurrences - CR (CAQ-S) 11-26534 initiated on 11/16/11 due to under-monitoring personnel's highest whole body receptor for workers performing repairs and inspections of the Rx Head Flange O-Ring Seating Surfaces was determined to be a Cornerstone Event for greater than 100 mrem dose above the licensee's RWP limit. The dose was added based on TLD results.

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Security](#) information not publicly available.