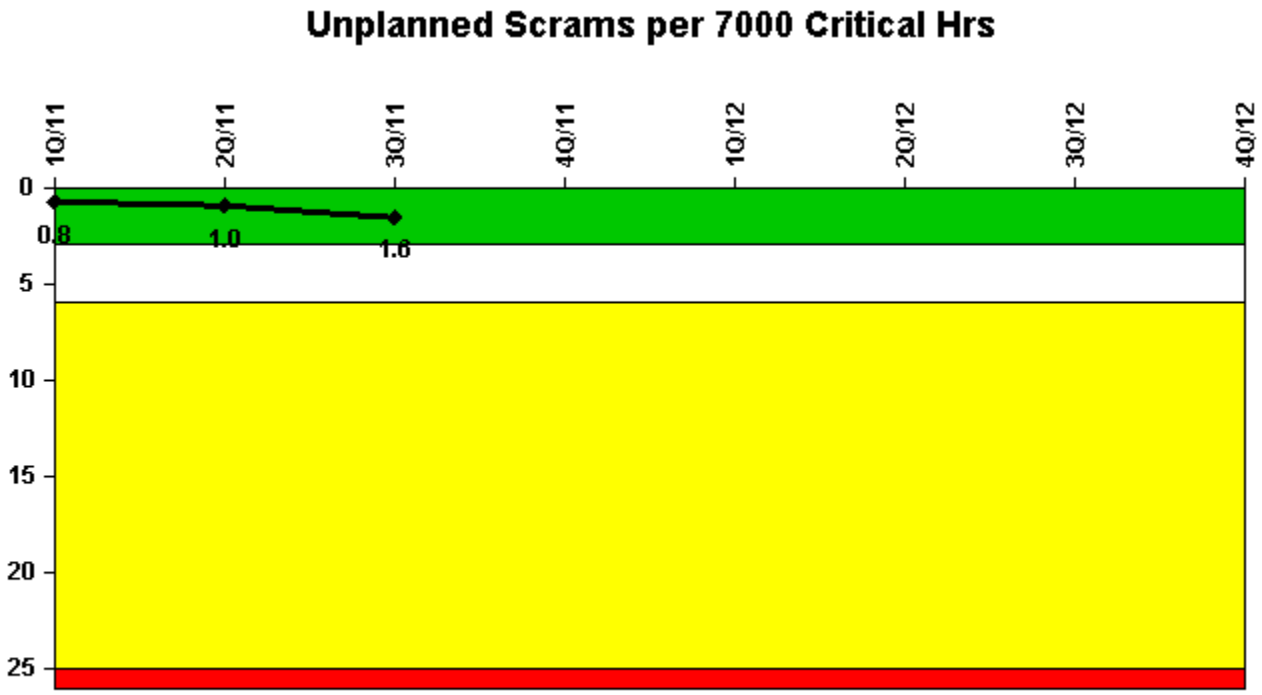
Fort Calhoun

4Q/2012 Performance Indicators

Licensee's General Comments: none



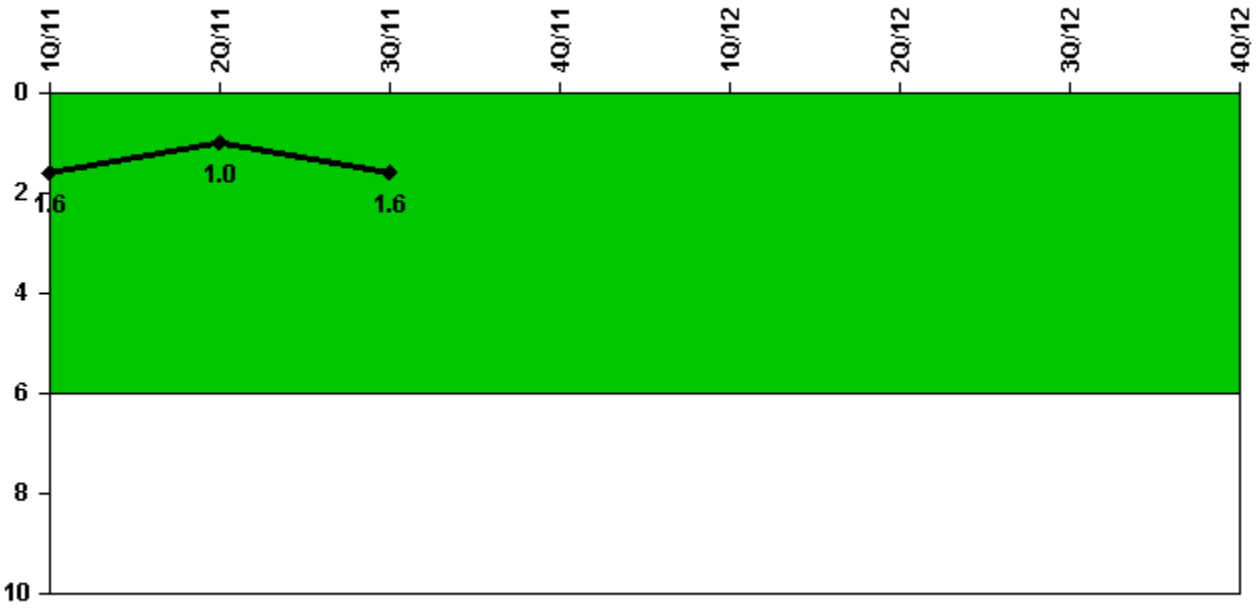
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2135.4	215.8	0	0	0	0	0	0
Indicator value	**0.8**	**1.0**	**1.6**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



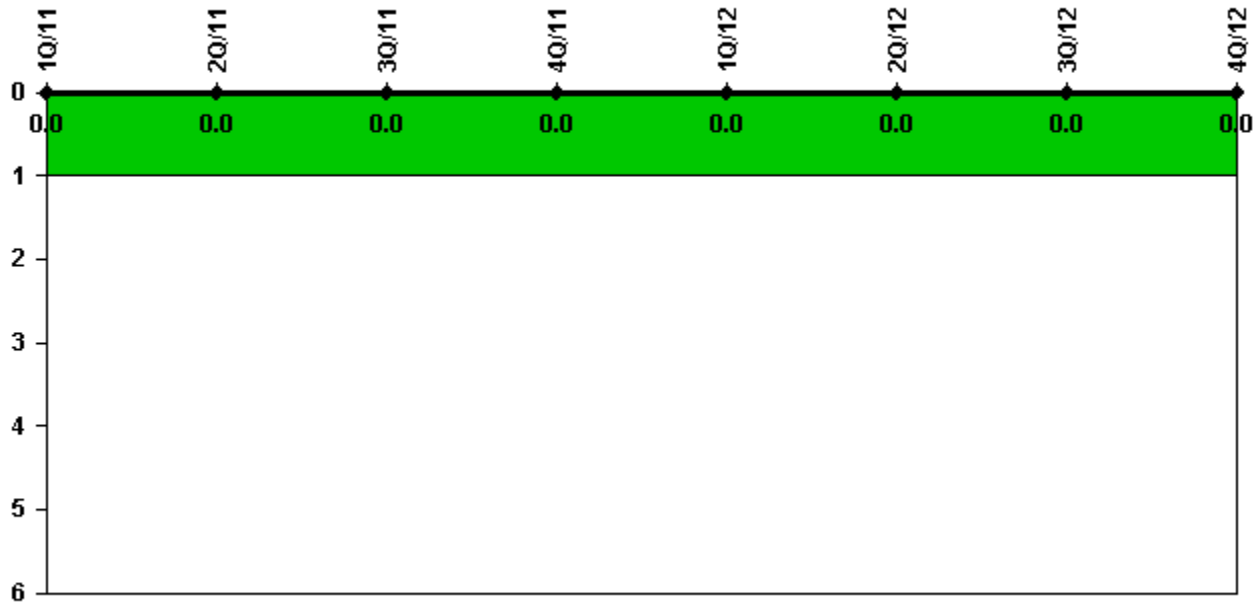
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2135.4	215.8	0	0	0	0	0	0
Indicator value	**1.6**	**1.0**	**1.6**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

Licensee Comments: none

Unplanned Scrams with Complications



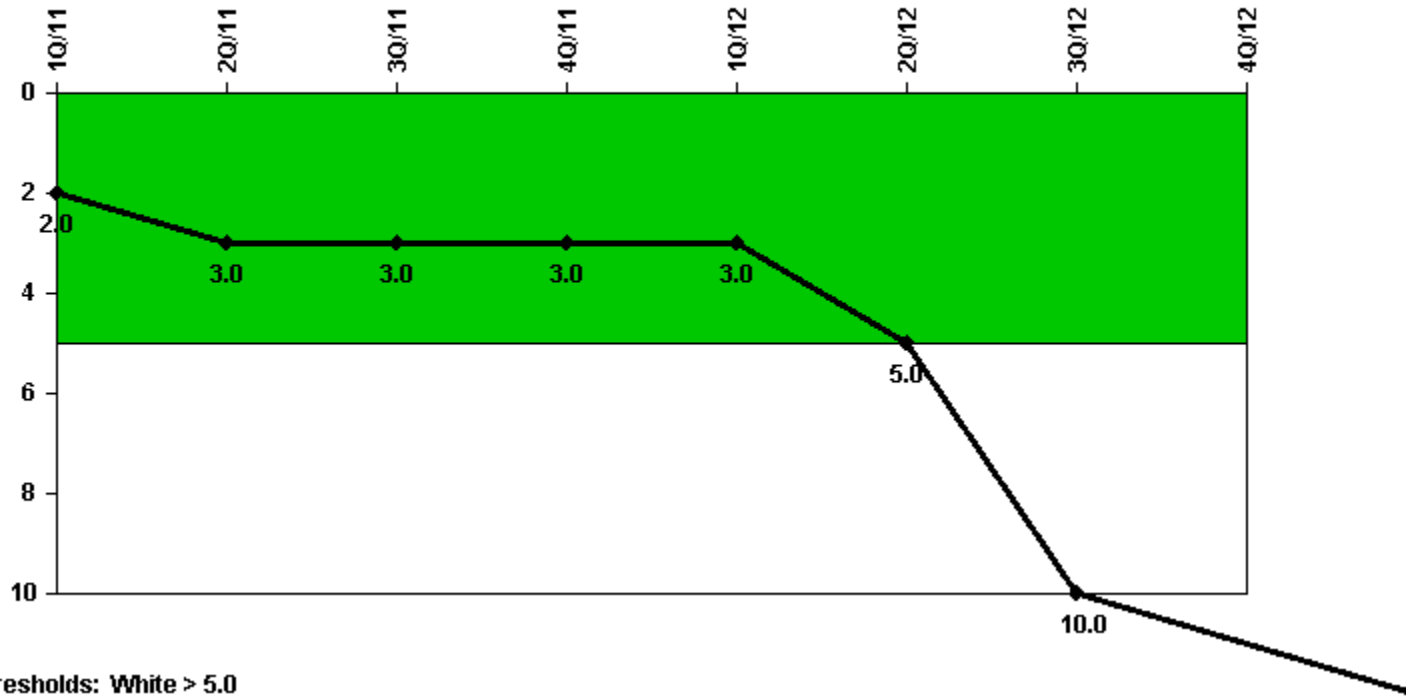
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/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)	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Safety System Functional Failures	1	1	1	0	1	3	6	1
Indicator value	**2**	**3**	**3**	**3**	**3**	**5**	**10**	**11**

Licensee Comments:

3Q/12: LER 2012-009, "Inoperable Equipment due to Lack of Environmental Qualifications" LER 2012-011, "Emergency Diesel Inoperability Due to Bus Loads During a LOOP"LER2012-014, "Containment Beam 22 Loading Conditions Outside of the Allowable Limits" LER 2012-015, "Electrical Equipment Impacted by High Energy Line Break Outside of Containment" LER 2012-017, "Containment Valve Actuators Design Temperature Ratings Below those Required for Design Basis Accidents" LER 2012-012, "Multiple Safety Injection Tanks Rendered Inoperable"

3Q/12: LER 2012-009, "Inoperable Equipment due to Lack of Environmental Qualifications" LER 2012-011. "Emergency Diesel Inoperability Due to Bus Loads During a LOOP"LER2012-014, "Containment Beam 22 Loading Conditions Outside of the Allowable Limits" LER 2012-015, "Electrical Equipment Impacted by High Energy Line Break Outside of Containment" LER 2012-017, "Containment Valve Actuators Design Temperature Ratings Below those Required for Design Basis Accidents"

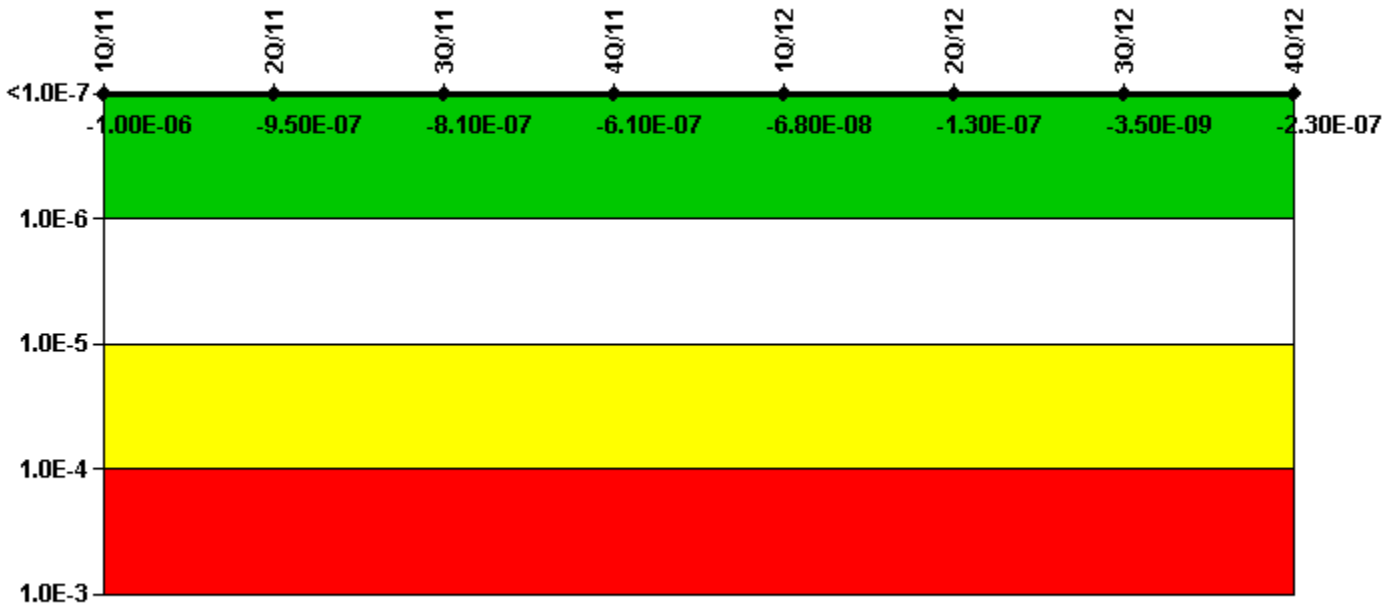
2Q/12: LER 2012-001, Inadequate Flooding Protection Procedure; LER 2012-005, TS violation due to inadequate testing of DG fuel pumps; LER 2012-004, Inadequate Analysis of Drift Affects Safety Related Equipment

1Q/12: LER 2011-010, "Fire Causes a Circuit Breaker to Open Outside Design Assumptions" was issued January 2012 and LER 2011-006, "Inoperability of Both Trains of Containment Coolers Due to a Mispositioned Valve" was cancelled removing the item from earlier reporting.

3Q/11: The following information is being provided to correct an oversight in the original submittals. LER 2011-003, "Inadequate Flooding Protection Due To Ineffective Oversight," effective first quarter 2011. LER 2011-004, "Isolation of Both Trains of Safety Related Auxiliary Feedwater," effective second quarter 2011. LER 2011-006, "Inoperability of Both Trains of Containment Coolers Due to a Mispositioned Valve,"effective second quarter 2011. LER 2011-008, "Fire in Safety Related 480 Volt Electrical Bus" effective third quarter 2011.

1Q/11: LER 2011-001 "Inadequate Flooding Protection Due To Ineffective Oversight"

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/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	1.89E-08	4.38E-08	1.14E-07	2.86E-07	3.94E-07	3.09E-07	3.71E-07	1.66E-07
URI (ΔCDF)	-1.01E-06	-9.90E-07	-9.27E-07	-8.99E-07	-4.62E-07	-4.38E-07	-3.75E-07	-3.95E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-06**	**-9.50E-07**	**-8.10E-07**	**-6.10E-07**	**-6.80E-08**	**-1.30E-07**	**-3.50E-09**	**-2.30E-07**

Licensee Comments:

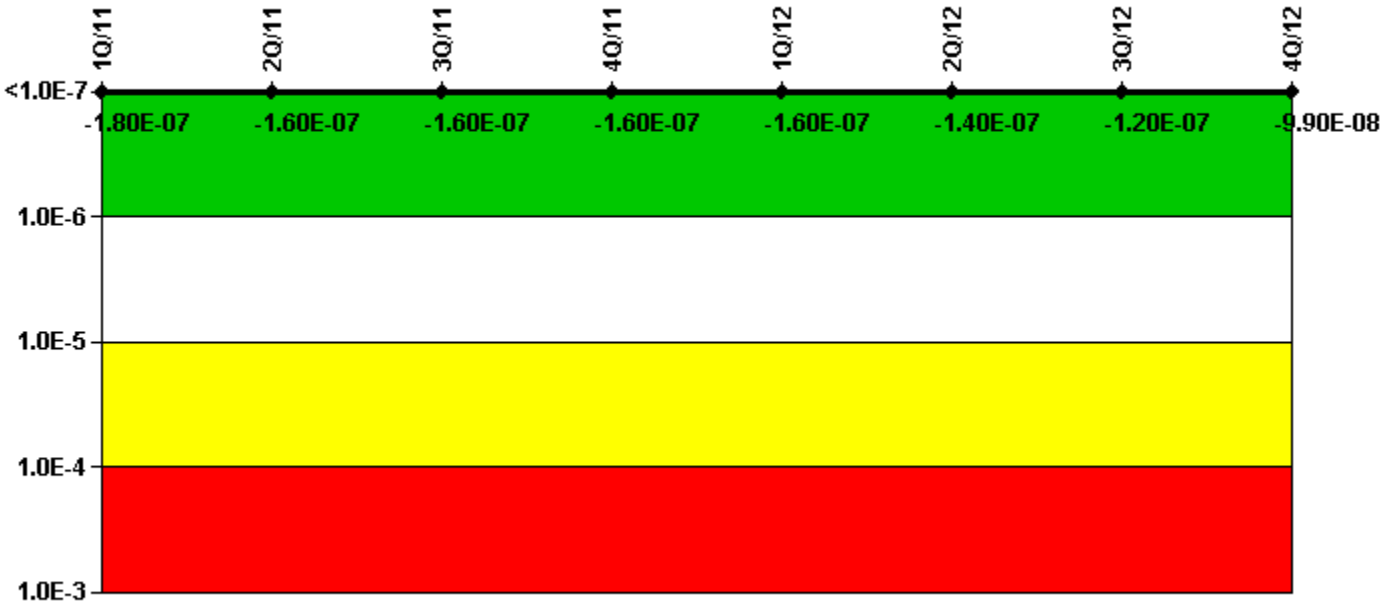
4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked. Unavailability hours which were added to the MSPI Emergency AC Power System A to account for infrequent maintenance activities in Qtr 2, 2009 were removed in April 2012. This adjustment returns the unavailability coefficient to the baseline value.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



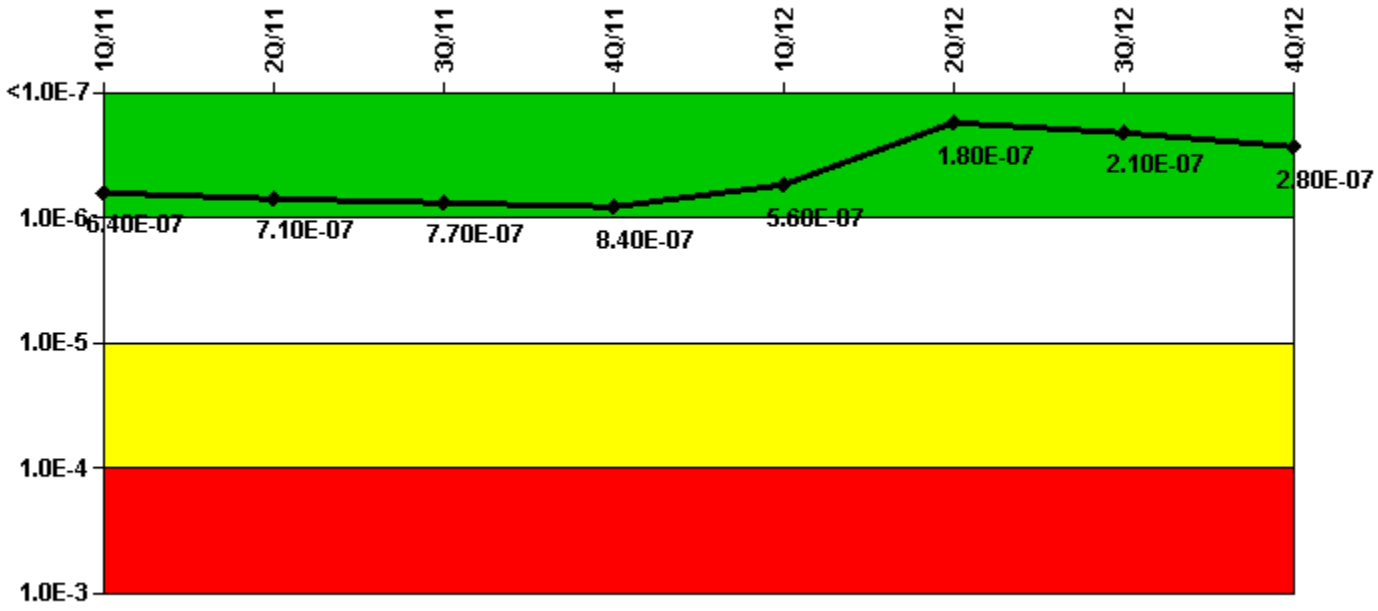
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-8.65E-08	-6.91E-08	-7.33E-08	-7.07E-08	-7.03E-08	-5.54E-08	-2.97E-08	-3.46E-08
URI (ΔCDF)	-9.22E-08	-9.10E-08	-9.02E-08	-8.96E-08	-8.93E-08	-8.89E-08	-8.82E-08	-6.42E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.80E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.40E-07**	**-1.20E-07**	**-9.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



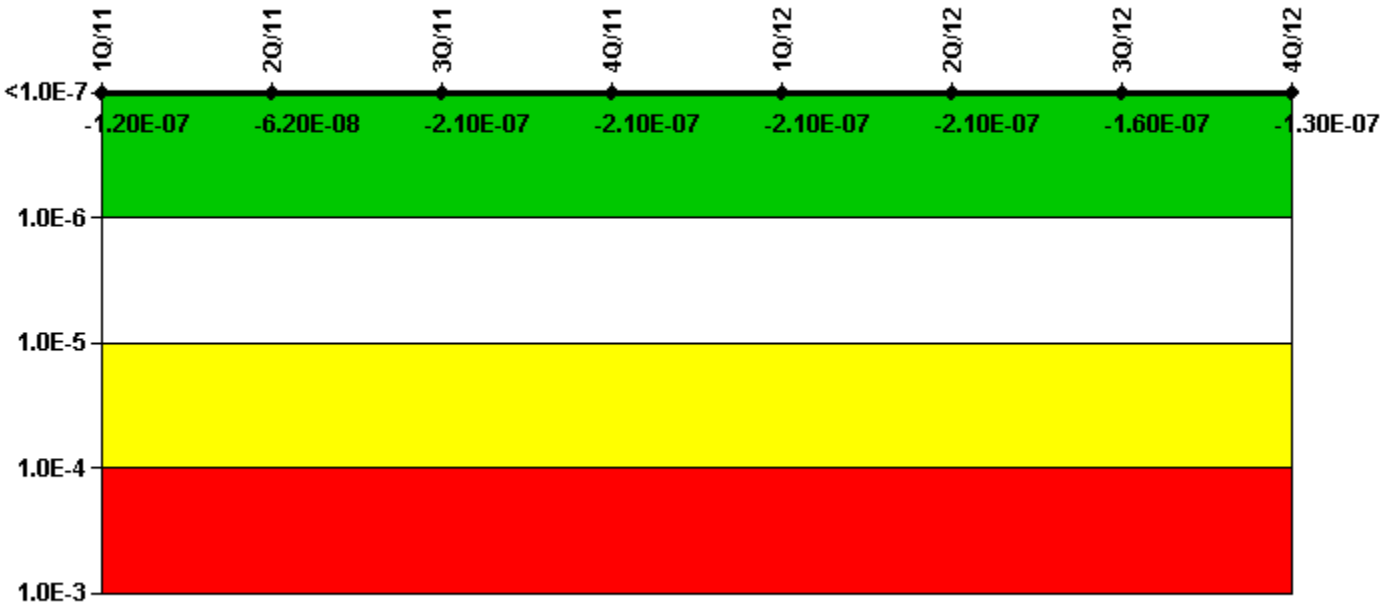
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	-3.49E-08	-3.47E-08	-2.78E-08	-1.58E-08	-3.05E-08	-7.37E-08	-7.37E-08	-7.37E-08
URI (ΔCDF)	6.77E-07	7.49E-07	7.95E-07	8.54E-07	5.92E-07	2.55E-07	2.87E-07	3.51E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.40E-07**	**7.10E-07**	**7.70E-07**	**8.40E-07**	**5.60E-07**	**1.80E-07**	**2.10E-07**	**2.80E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



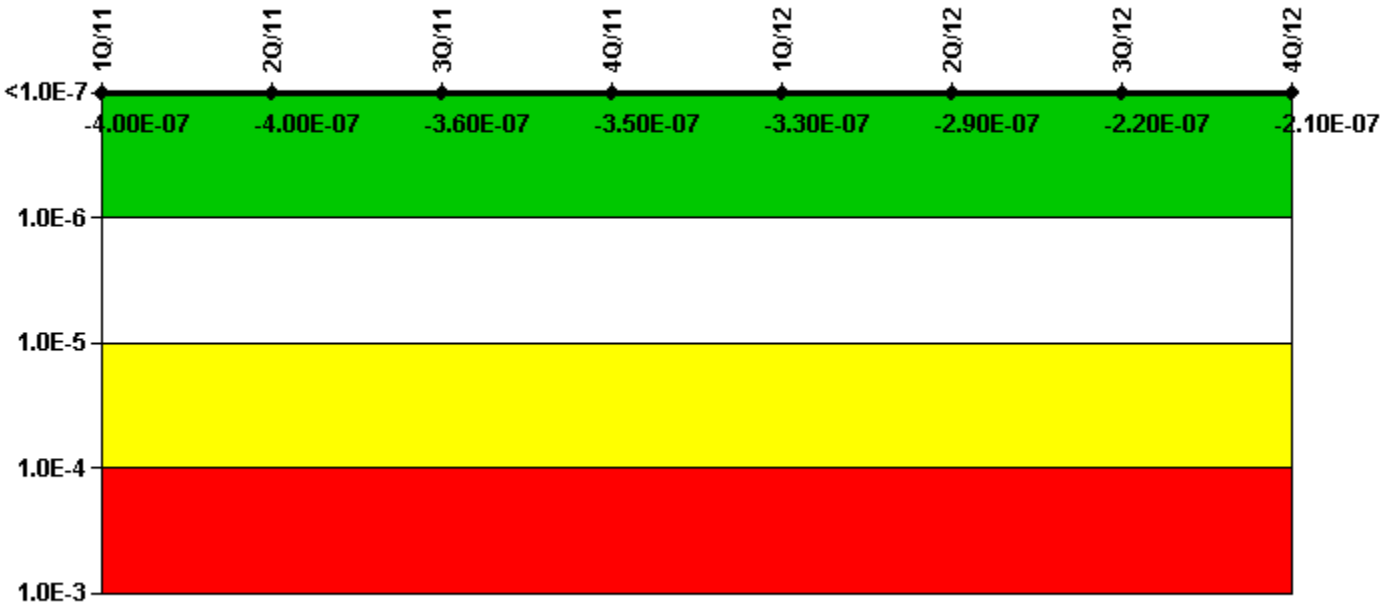
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	-5.36E-08	3.84E-09	-1.48E-07	-1.45E-07	-1.43E-07	-1.39E-07	-8.61E-08	-9.21E-08
URI (ΔCDF)	-6.51E-08	-6.62E-08	-6.70E-08	-6.95E-08	-6.99E-08	-7.22E-08	-7.27E-08	-3.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-6.20E-08**	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**	**-2.10E-07**	**-1.60E-07**	**-1.30E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



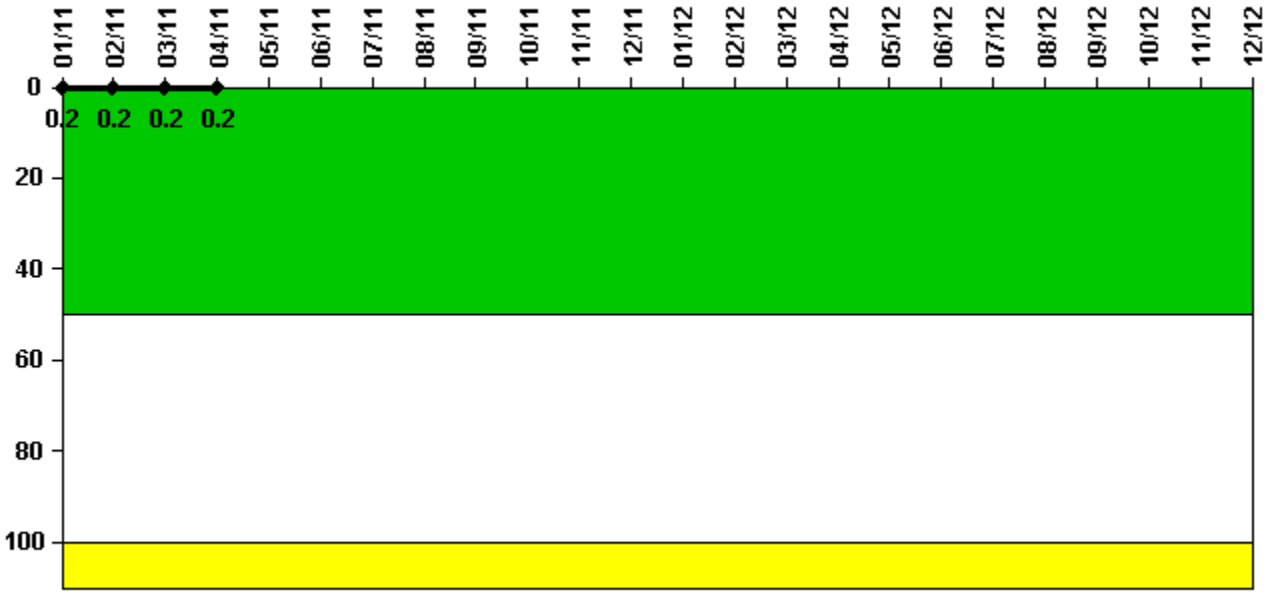
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-3.52E-07	-3.53E-07	-3.17E-07	-3.09E-07	-2.85E-07	-2.46E-07	-1.91E-07	-1.79E-07
URI (ΔCDF)	-4.71E-08	-4.64E-08	-4.60E-08	-4.55E-08	-4.51E-08	-4.45E-08	-3.37E-08	-3.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-07**	**-4.00E-07**	**-3.60E-07**	**-3.50E-07**	**-3.30E-07**	**-2.90E-07**	**-2.20E-07**	**-2.10E-07**

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

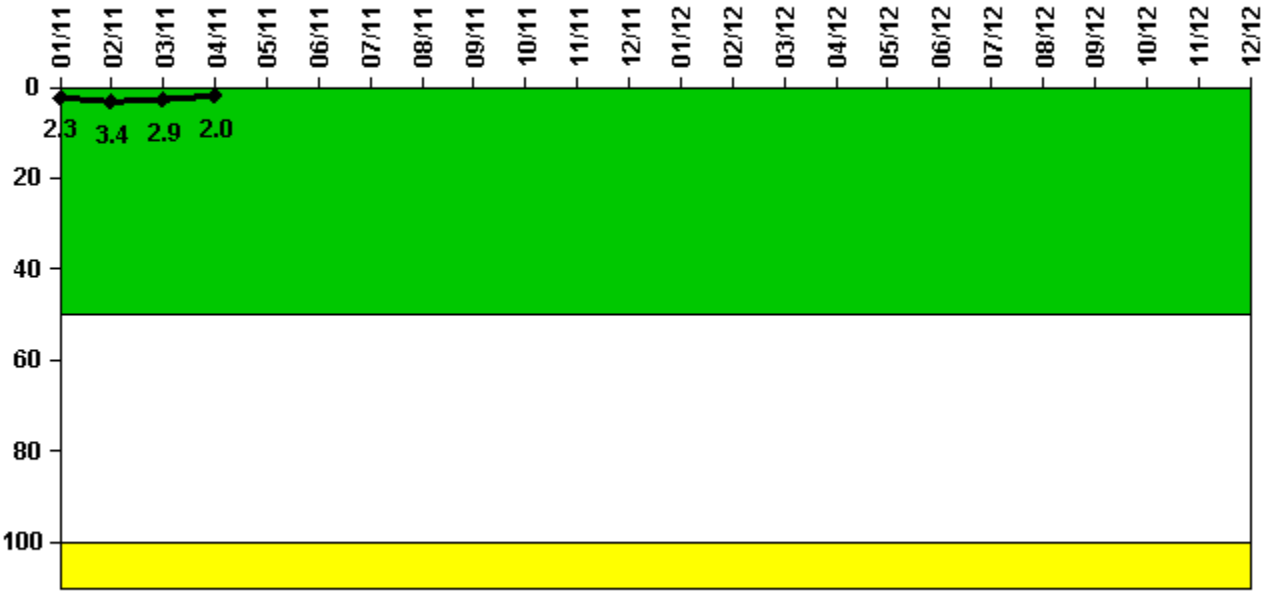
Notes

Reactor Coolant System Activity	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum activity	0.002140	0.002110	0.002290	0.002090	N/A	N/A	N/A	N/A	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	**0.2**	**0.2**	**0.2**	**0.2**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

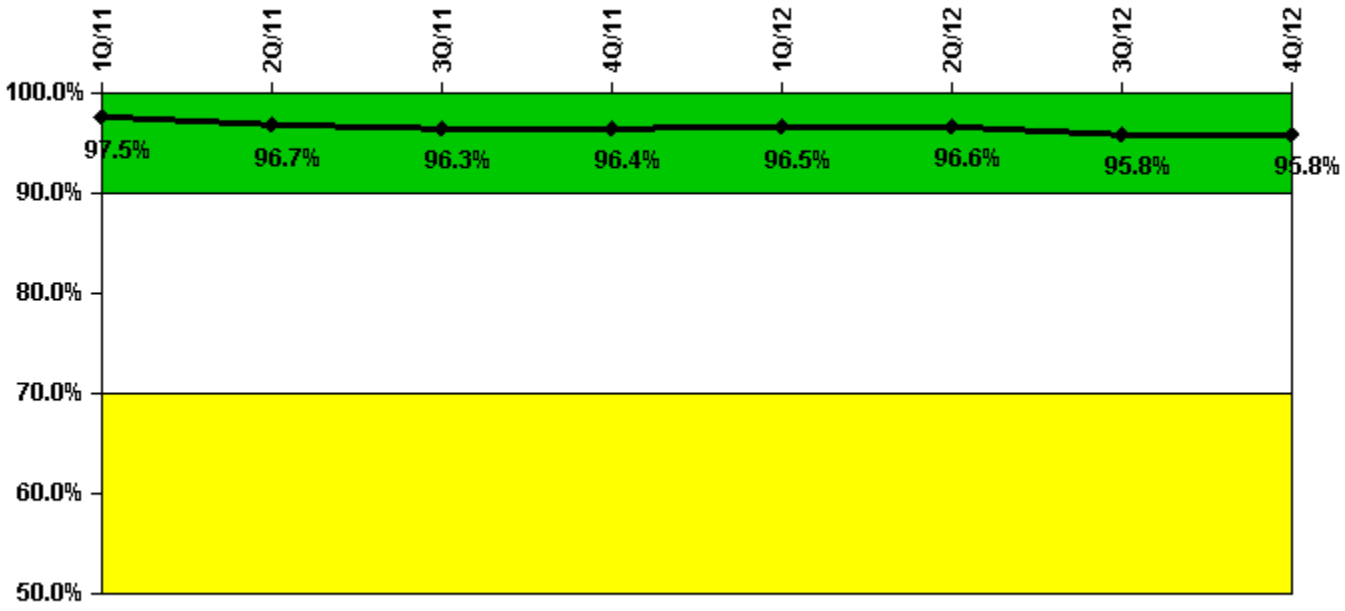
Notes

Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.231	0.336	0.286	0.196	N/A	N/A	N/A	N/A	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	**2.3**	**3.4**	**2.9**	**2.0**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

Licensee Comments: none

Drill/Exercise Performance



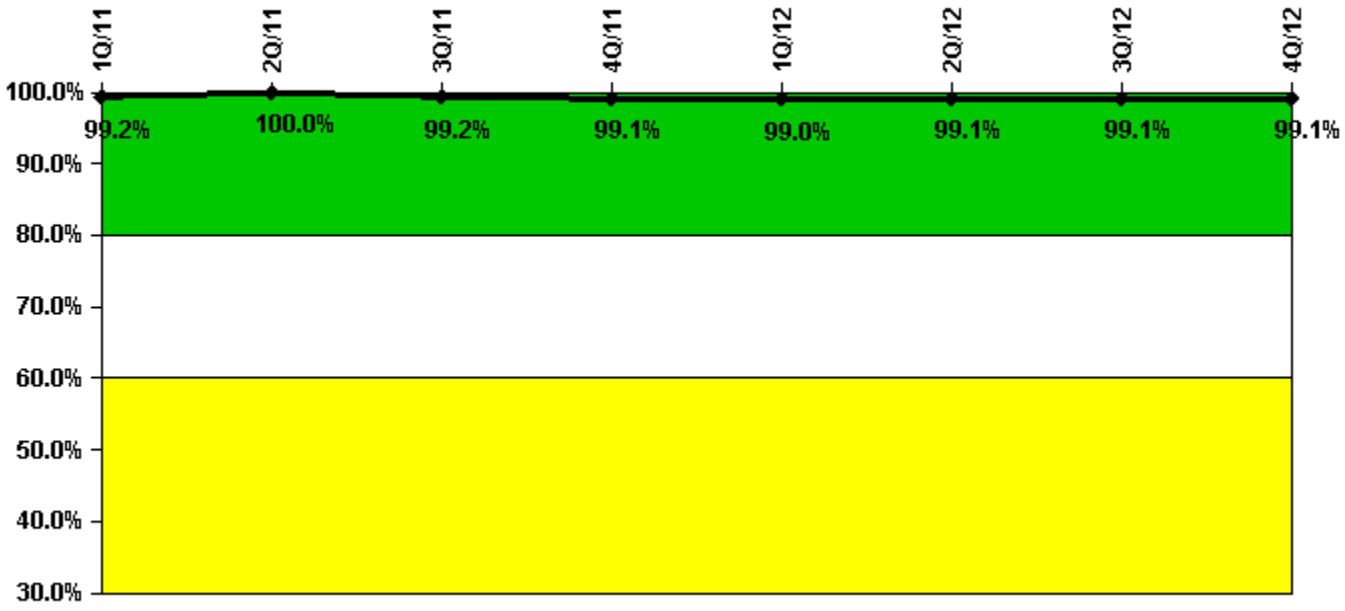
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	61.0	11.0	33.0	12.0	59.0	41.0	8.0	24.0
Total opportunities	62.0	13.0	36.0	12.0	62.0	43.0	8.0	24.0
Indicator value	**97.5%**	**96.7%**	**96.3%**	**96.4%**	**96.5%**	**96.6%**	**95.8%**	**95.8%**

Licensee Comments: none

ERO Drill Participation

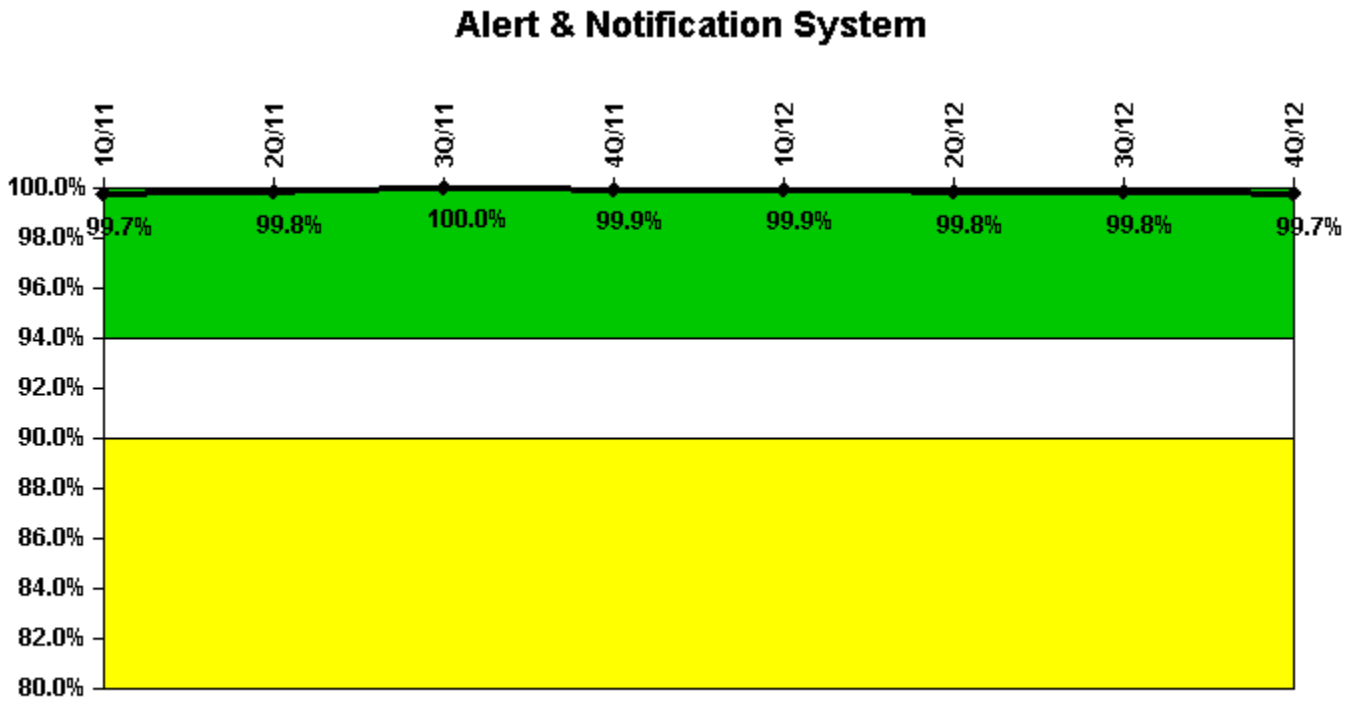


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	123.0	124.0	118.0	107.0	102.0	107.0	108.0	108.0
Total Key personnel	124.0	124.0	119.0	108.0	103.0	108.0	109.0	109.0
Indicator value	**99.2%**	**100.0%**	**99.2%**	**99.1%**	**99.0%**	**99.1%**	**99.1%**	**99.1%**

Licensee Comments: none



Thresholds: White < 94.0% Yellow < 90.0%

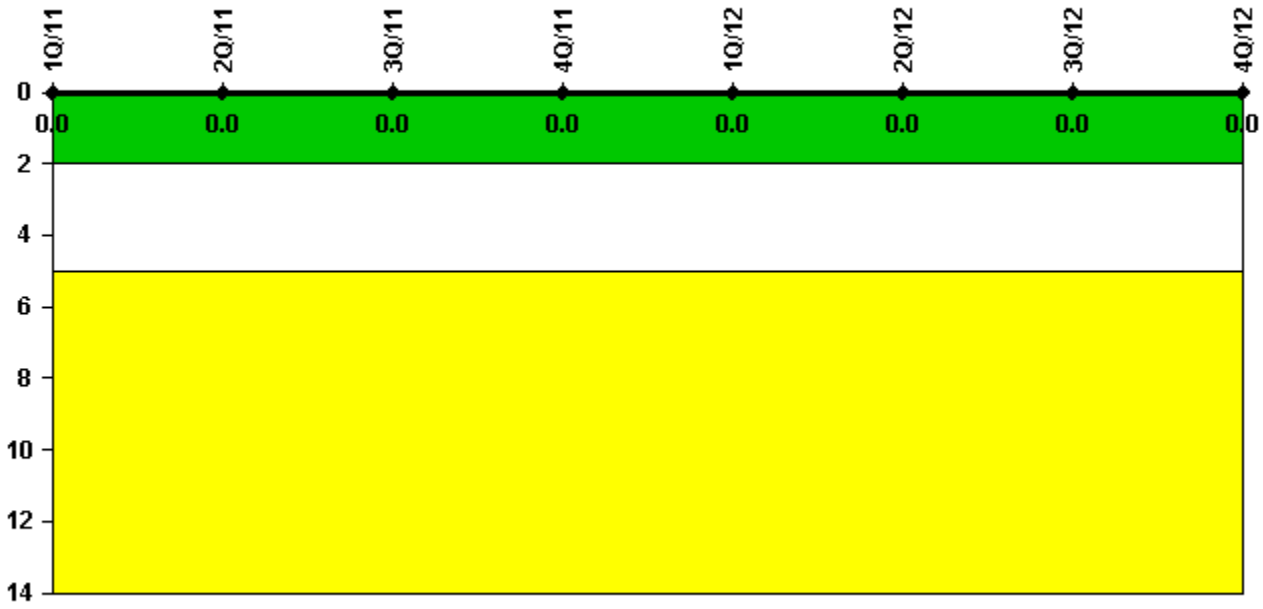
Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	707	801	737	878	706	806	808	803
Total sirens-tests	707	802	737	880	707	808	808	808
Indicator value	**99.7%**	**99.8%**	**100.0%**	**99.9%**	**99.9%**	**99.8%**	**99.8%**	**99.7%**

Licensee Comments:

1Q/12: This corrects a small math error.

Occupational Exposure Control Effectiveness



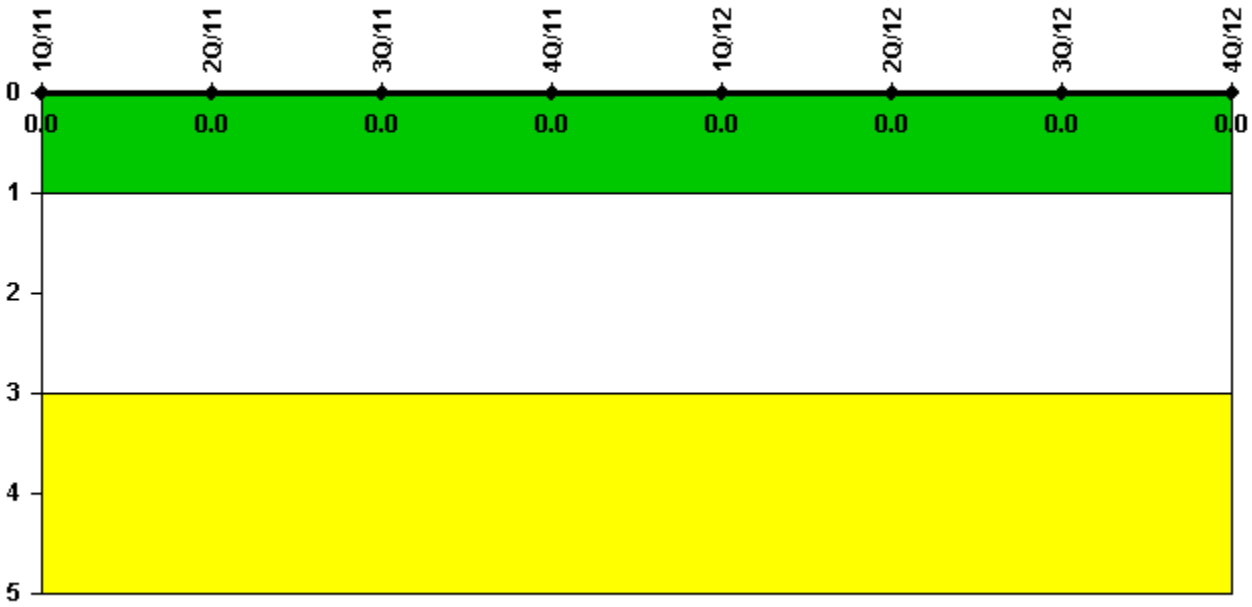
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/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	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/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/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

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 23, 2013