

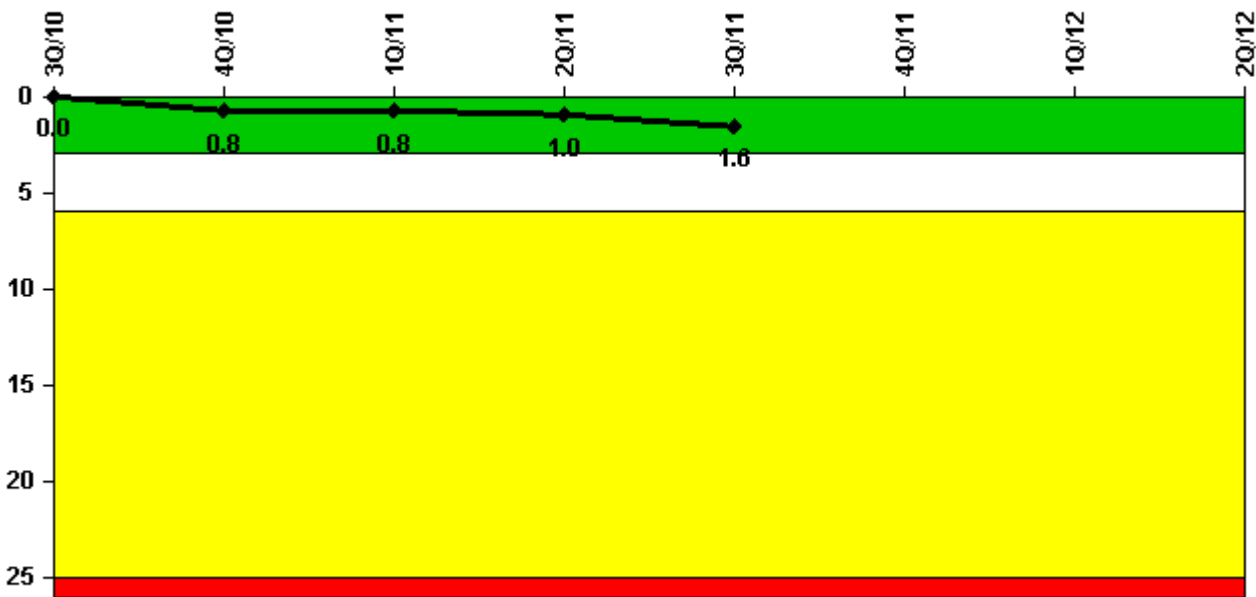
Fort Calhoun

2Q/2012 Performance Indicators

Fort Calhoun has been shutdown since April 2011. Because the Unplanned Scrams with Complications (USwC) and Mitigating Systems Performance Index (MSPI) performance indicators (PIs) are heavily influenced by the operational status of the reactor, NRC staff has evaluated the validity of these PIs. Because the reactor has not been critical, there have been no recent opportunities for a scram that would count in the USwC indicator. Similarly, the MSPI values can become skewed because of a lack of critical hours. For these reasons, the staff has determined that these PIs no longer provide valid indications of performance.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



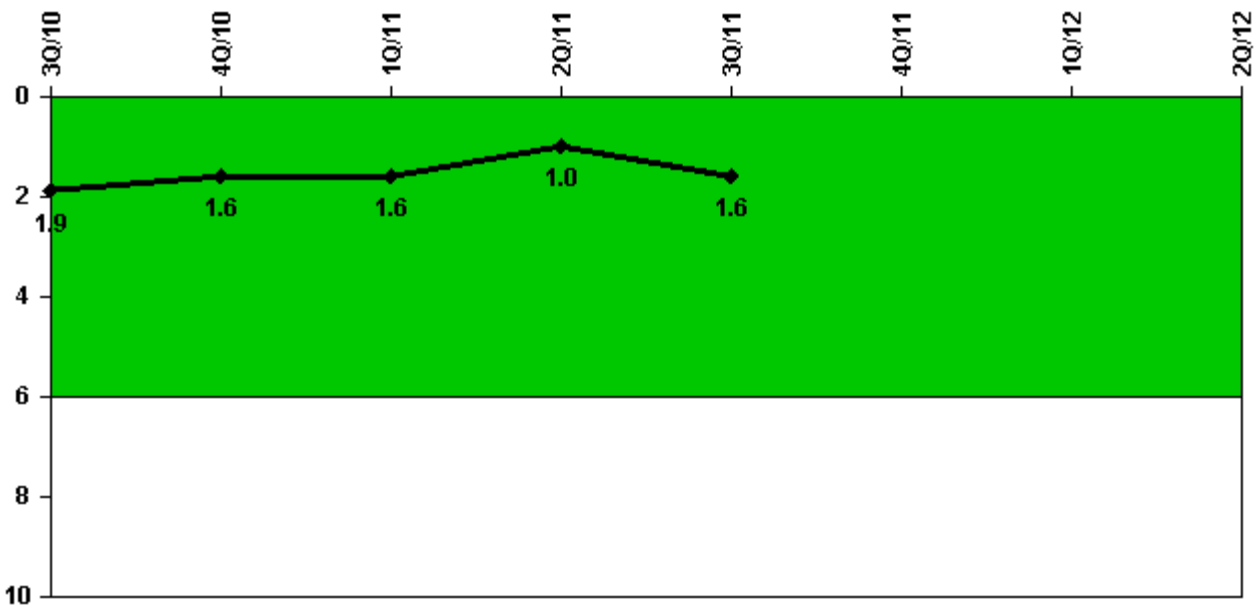
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	2160.0	2135.4	215.8	0	0	0	0
Indicator value	0	0.8	0.8	1.0	1.6	N/A	N/A	N/A

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



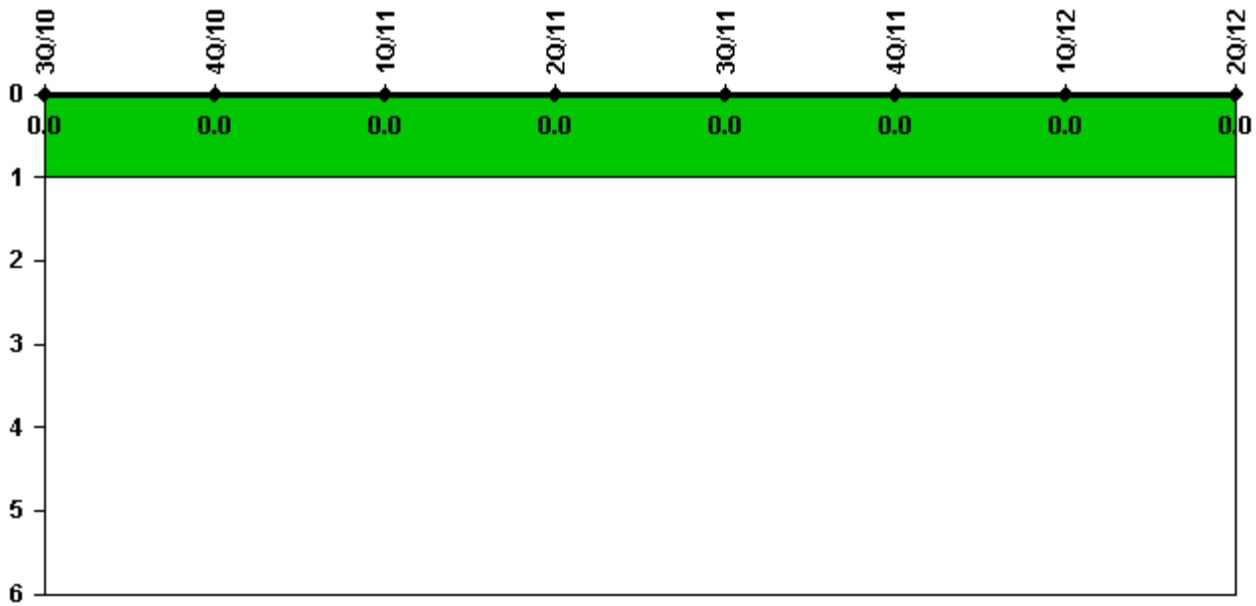
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	2160.0	2135.4	215.8	0	0	0	0
Indicator value	1.9	1.6	1.6	1.0	1.6	N/A	N/A	N/A

Licensee Comments: none

Unplanned Scrams with Complications



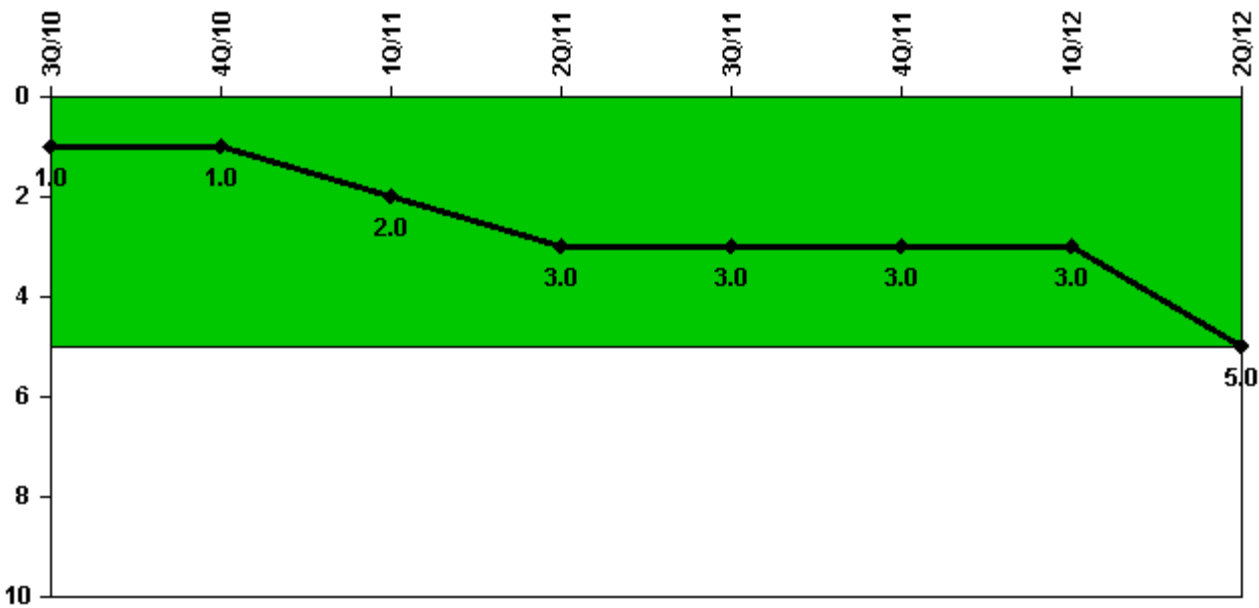
Thresholds: White > 1.0

Notes

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

Licensee Comments:

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

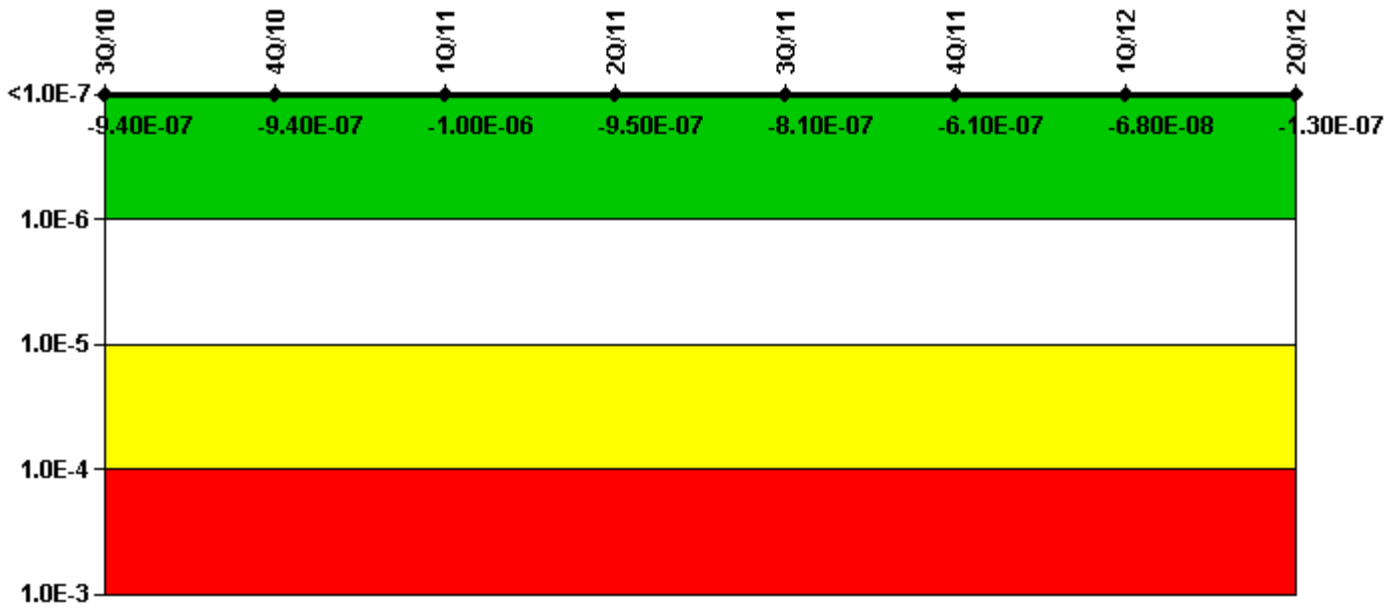
1Q/12: LER 2011-010, "Fire Causes a Circuit Breaker to Open Outside Design Assumptions" was issued January 2012 and LER 2011-006, "Inoperability of Both Trains of Containment Coolers Due to a Mispositioned Valve" was cancelled removing the item from earlier reporting.

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"

3Q/10: LER 2010-003, "Inadequate Margin Renders Auxiliary Feedwater Pump Inoperable"

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

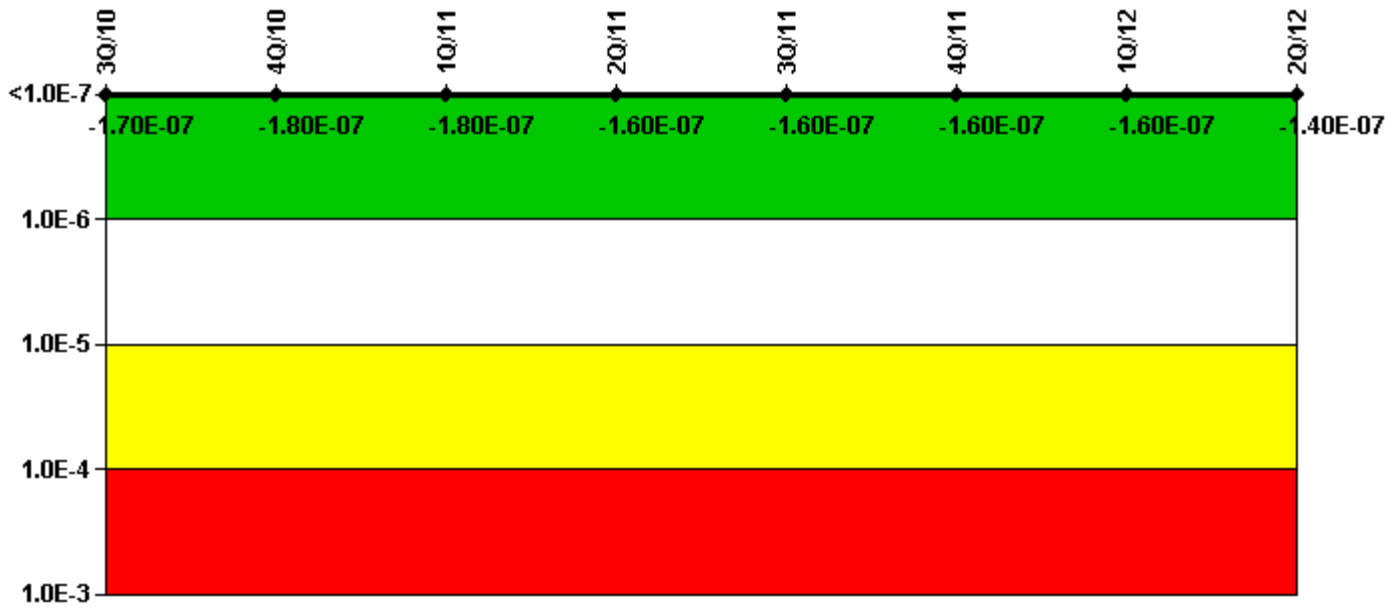
Mitigating Systems Performance Index, Emergency AC Power System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	1.93E-07	1.76E-07	1.89E-08	4.38E-08	1.14E-07	2.86E-07	3.94E-07	3.09E-07
URI (Δ CDF)	-1.13E-06	-1.11E-06	-1.01E-06	-9.90E-07	-9.27E-07	-8.99E-07	-4.62E-07	-4.38E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.40E-07	-9.40E-07	-1.00E-06	-9.50E-07	-8.10E-07	-6.10E-07	-6.80E-08	-1.30E-07

Licensee Comments:

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



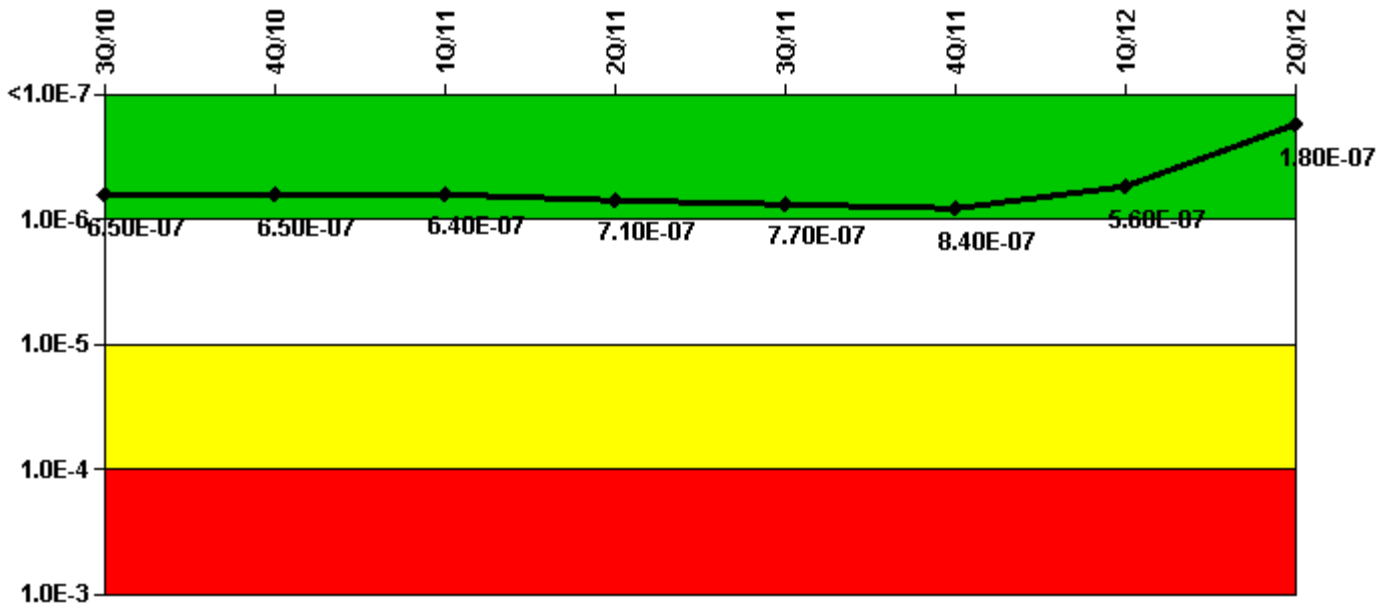
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	-8.92E-08	-8.90E-08	-8.65E-08	-6.91E-08	-7.33E-08	-7.07E-08	-7.03E-08	-5.54E-08
URI (Δ CDF)	-8.46E-08	-9.21E-08	-9.22E-08	-9.10E-08	-9.02E-08	-8.96E-08	-8.93E-08	-8.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-07	-1.80E-07	-1.80E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



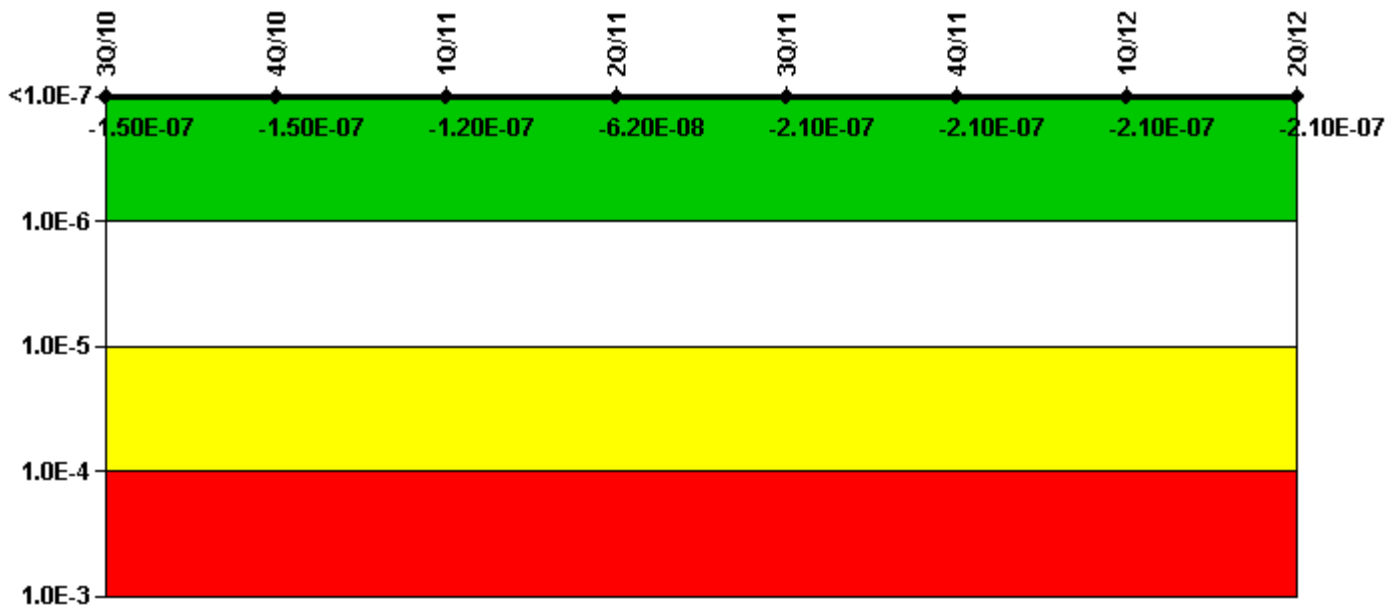
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	-1.38E-09	-6.39E-09	-3.49E-08	-3.47E-08	-2.78E-08	-1.58E-08	-3.05E-08	-7.37E-08
URI (Δ CDF)	6.47E-07	6.57E-07	6.77E-07	7.49E-07	7.95E-07	8.54E-07	5.92E-07	2.55E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.50E-07	6.50E-07	6.40E-07	7.10E-07	7.70E-07	8.40E-07	5.60E-07	1.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



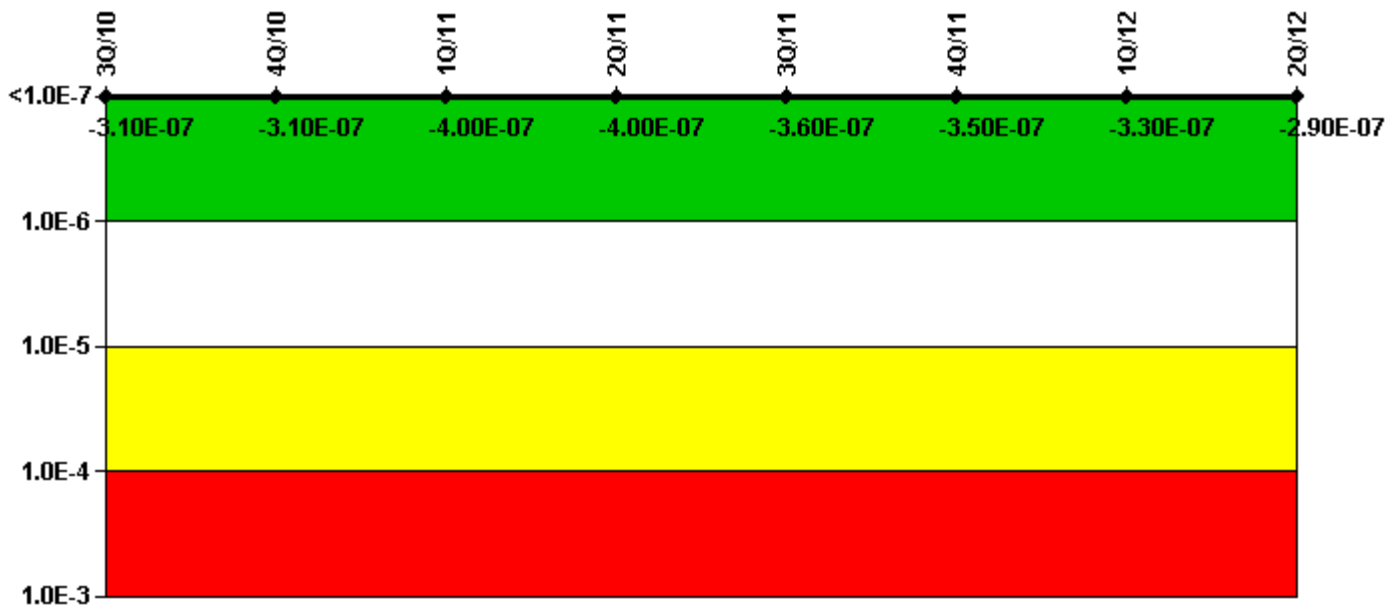
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	-8.67E-08	-8.65E-08	-5.36E-08	3.84E-09	-1.48E-07	-1.45E-07	-1.43E-07	-1.39E-07
URI (Δ CDF)	-6.45E-08	-6.48E-08	-6.51E-08	-6.62E-08	-6.70E-08	-6.95E-08	-6.99E-08	-7.22E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-1.50E-07	-1.20E-07	-6.20E-08	-2.10E-07	-2.10E-07	-2.10E-07	-2.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



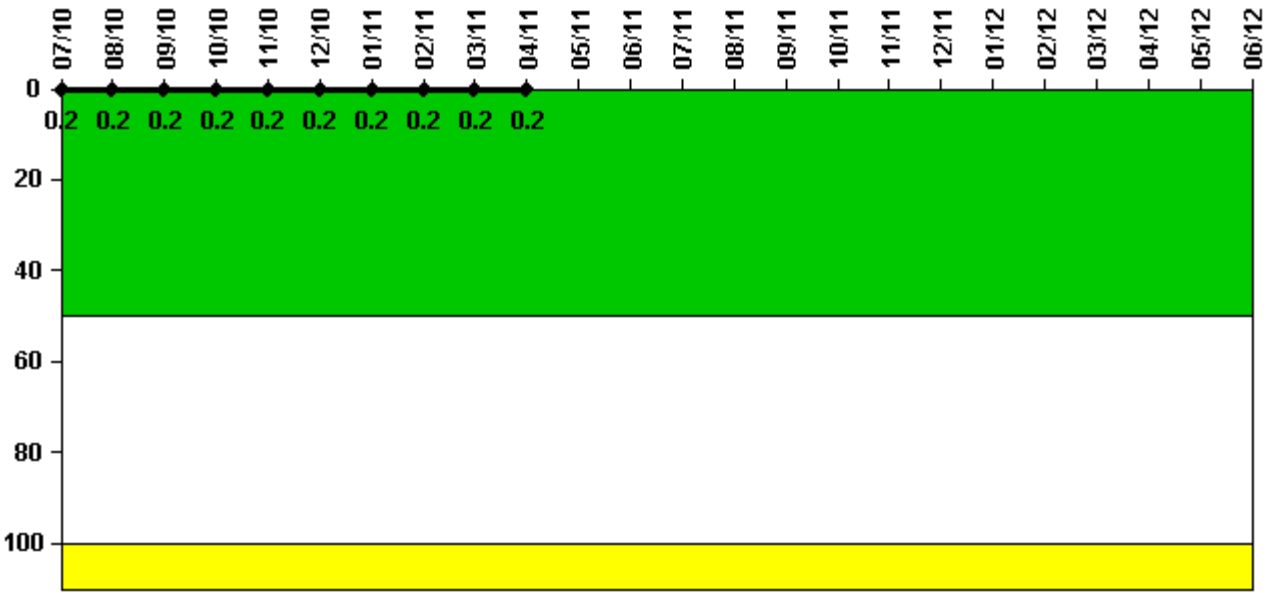
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	-3.14E-07	-2.95E-07	-3.52E-07	-3.53E-07	-3.17E-07	-3.09E-07	-2.85E-07	-2.46E-07
URI (Δ CDF)	4.96E-09	-1.98E-08	-4.71E-08	-4.64E-08	-4.60E-08	-4.55E-08	-4.51E-08	-4.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.10E-07	-3.10E-07	-4.00E-07	-4.00E-07	-3.60E-07	-3.50E-07	-3.30E-07	-2.90E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

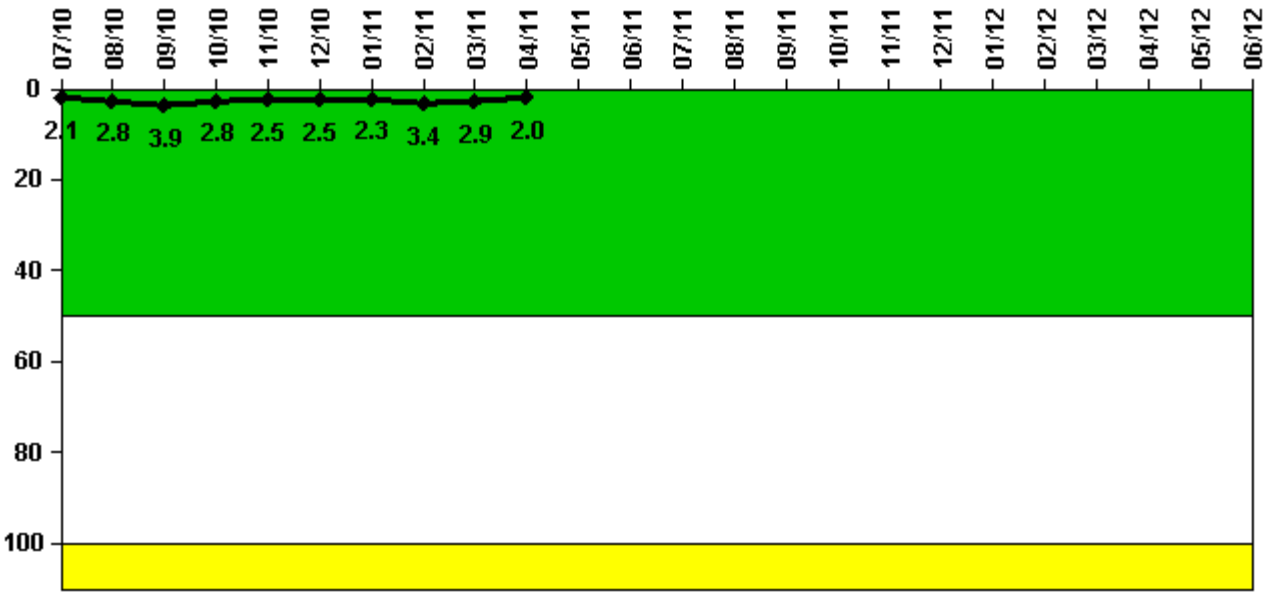
Notes

Reactor Coolant System Activity	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum activity	0.001780	0.001950	0.001990	0.001960	0.002010	0.002140	0.002140	0.002110	0.002290	0.002090	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	0.2	0.2	0.2	0.2	0.2	0.2	N/A	N/A

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	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

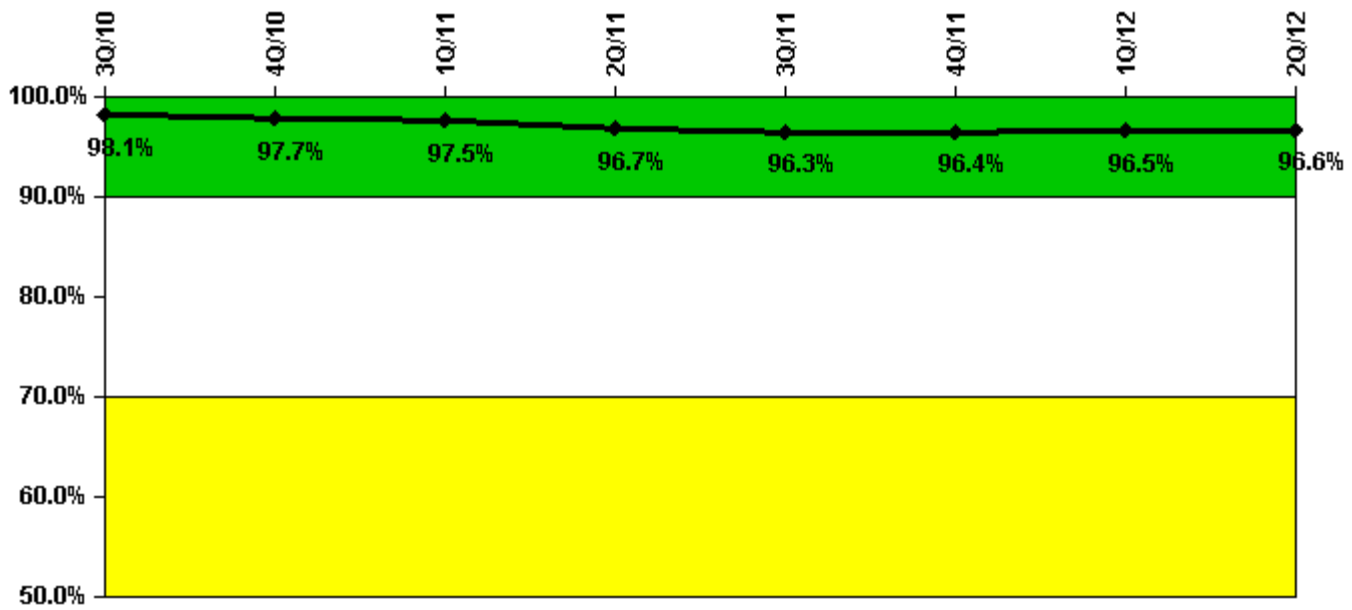
Notes

Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	0.213	0.277	0.386	0.284	0.248	0.245	0.231	0.336	0.286	0.196	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	2.1	2.8	3.9	2.8	2.5	2.5	2.3	3.4	2.9	2.0	N/A	N/A

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	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



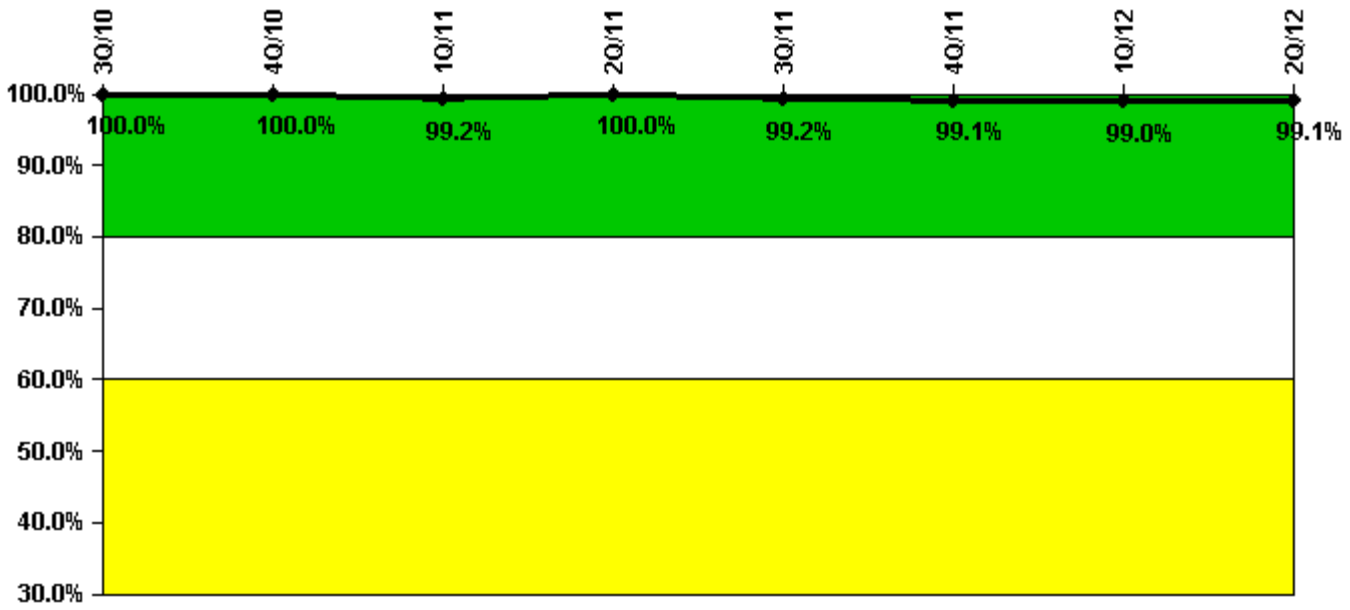
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	73.0	49.0	61.0	11.0	33.0	12.0	59.0	41.0
Total opportunities	73.0	50.0	62.0	13.0	36.0	12.0	62.0	43.0
Indicator value	98.1%	97.7%	97.5%	96.7%	96.3%	96.4%	96.5%	96.6%

Licensee Comments: none

ERO Drill Participation



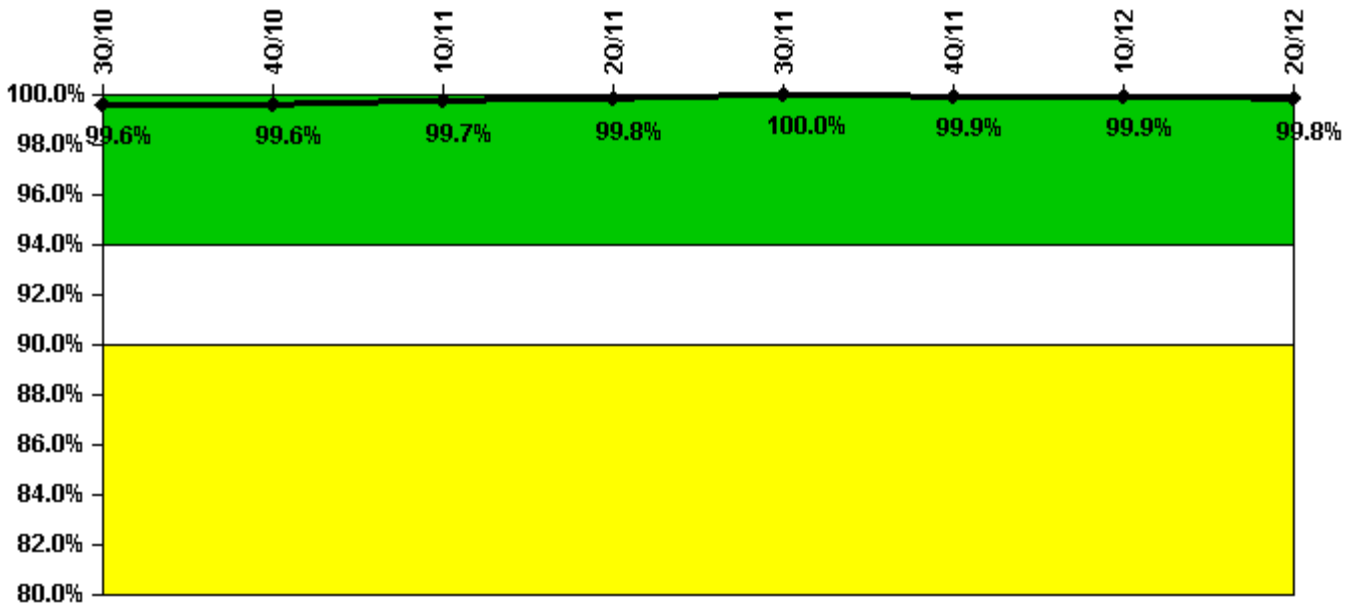
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	122.0	118.0	123.0	124.0	118.0	107.0	102.0	107.0
Total Key personnel	122.0	118.0	124.0	124.0	119.0	108.0	103.0	108.0
Indicator value	100.0%	100.0%	99.2%	100.0%	99.2%	99.1%	99.0%	99.1%

Licensee Comments: none

Alert & Notification System



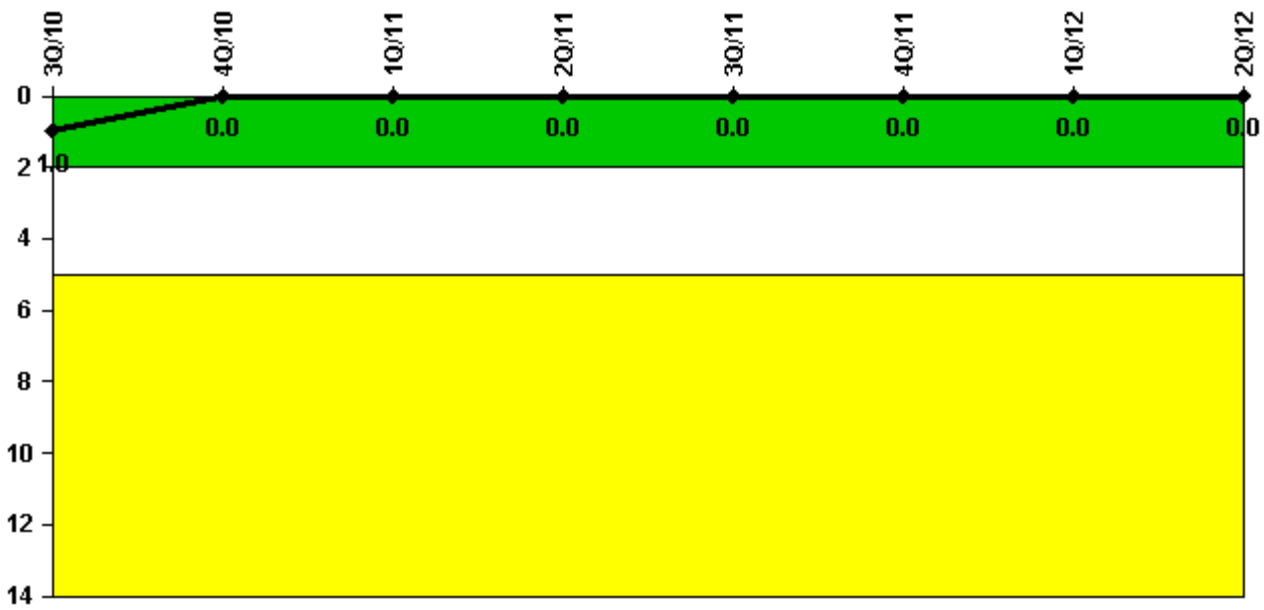
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	804	808	707	801	737	876	704	806
Total sirens-tests	808	808	707	802	737	878	705	808
Indicator value	99.6%	99.6%	99.7%	99.8%	100.0%	99.9%	99.9%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



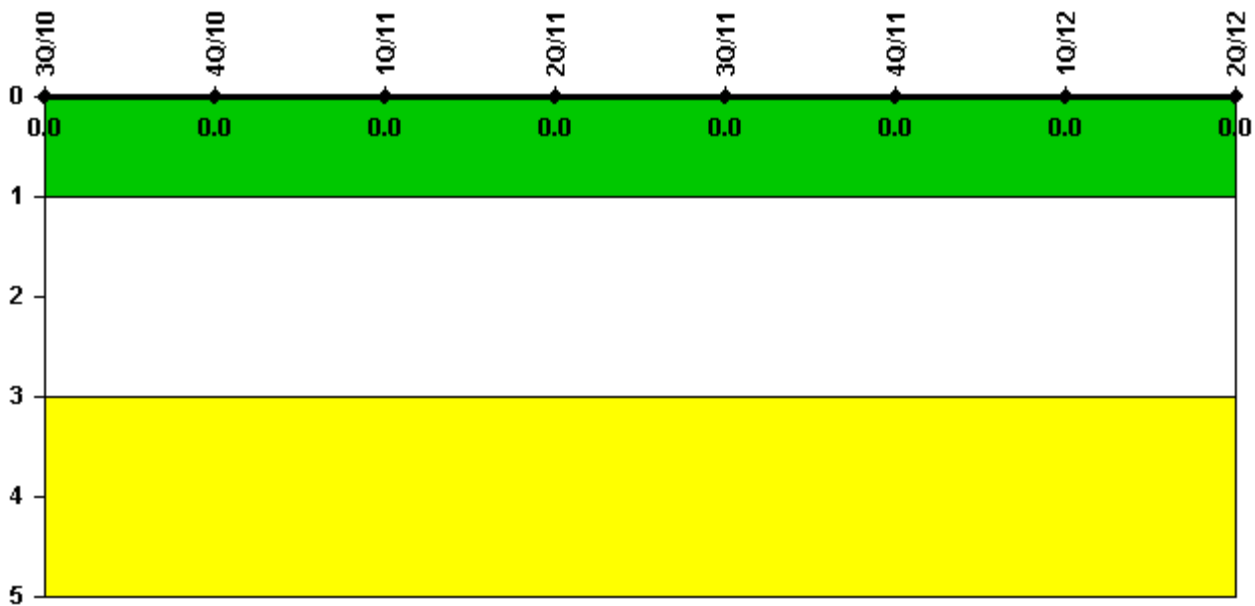
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/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	1	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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/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.
