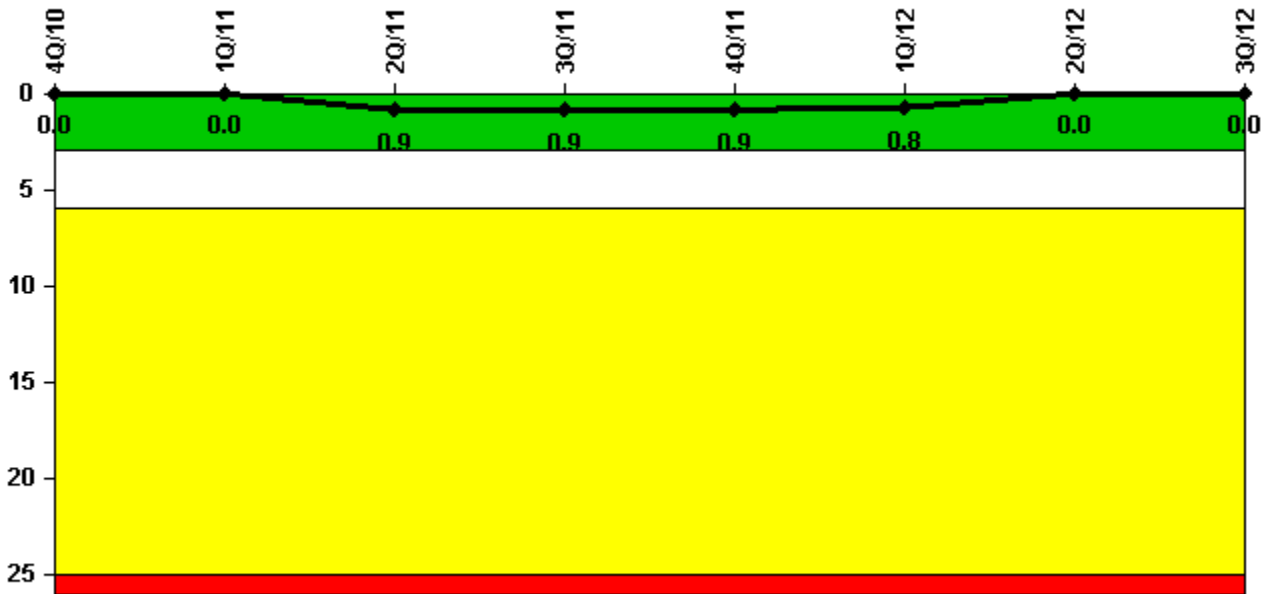


Beaver Valley 2

3Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



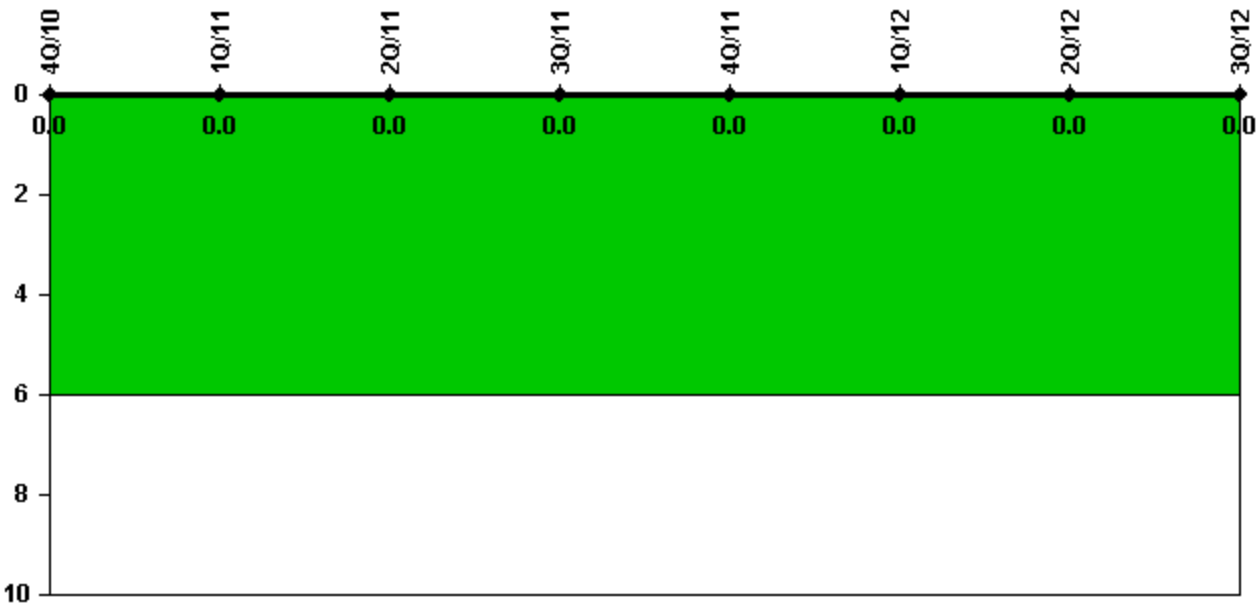
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	1560.3	1976.8	2208.0	2209.0	2183.0	2184.0	2040.3
Indicator value	0	0	0.9	0.9	0.9	0.8	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



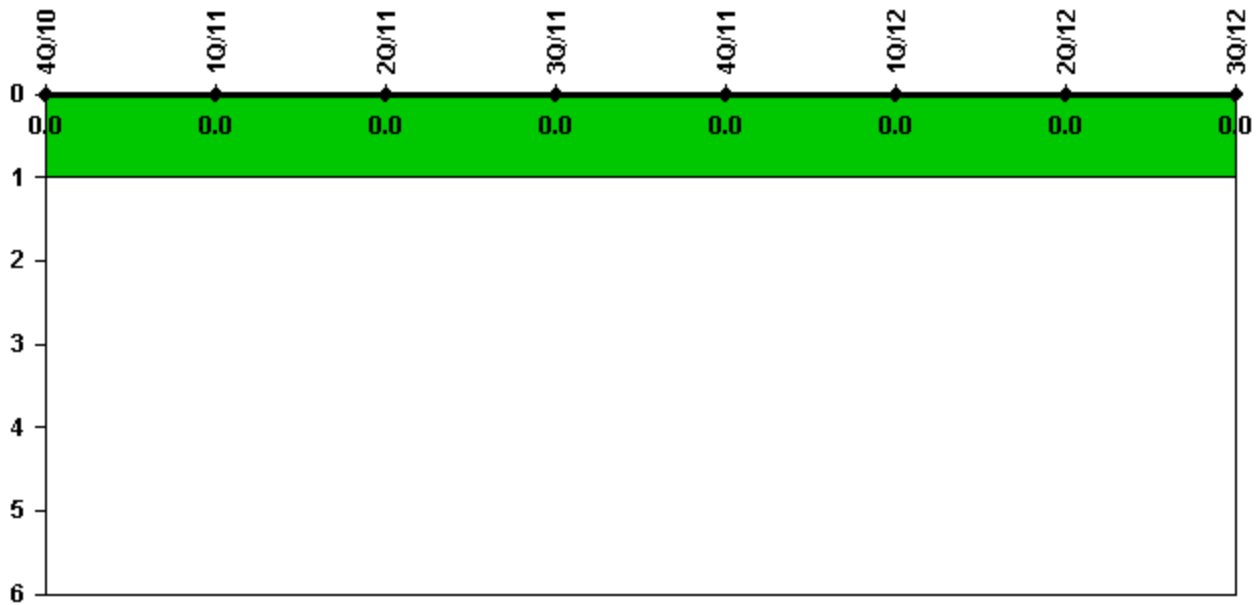
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	1560.3	1976.8	2208.0	2209.0	2183.0	2184.0	2040.3
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



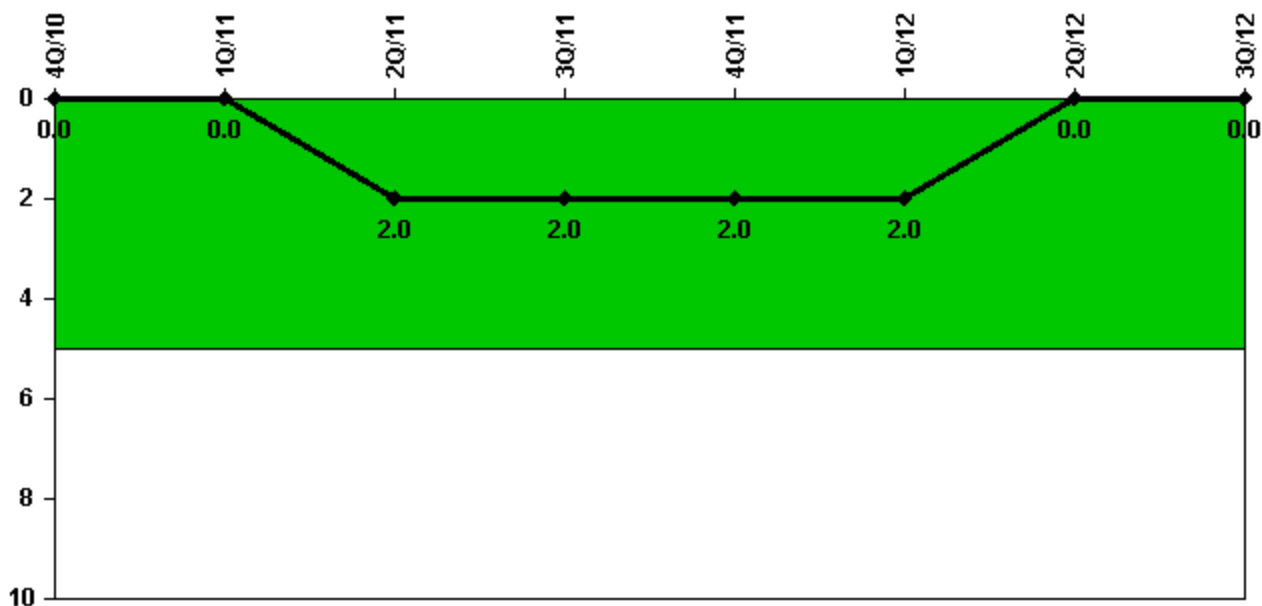
Thresholds: White > 1.0

Notes

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

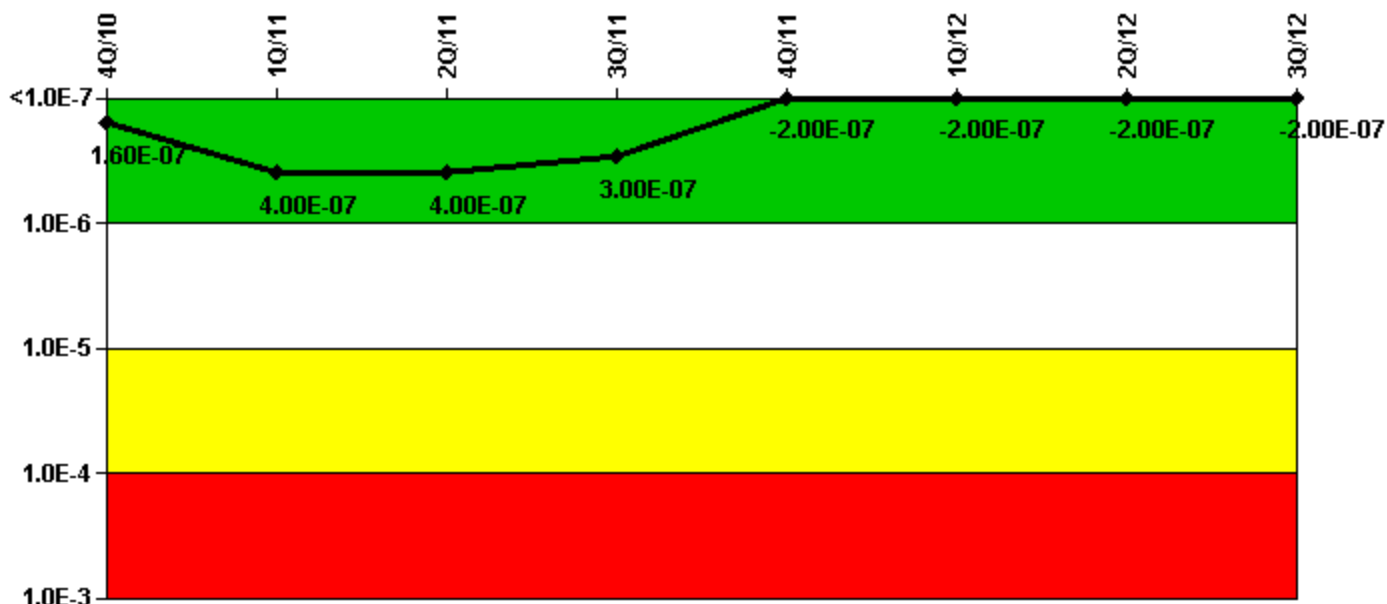
Notes

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

Licensee Comments:

2Q/11: LERs 2011-001-00 (Both EDG s Inoperable- mode 6); LER 2011-002-00 (AFW Vent Line Crack)

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	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	-8.75E-08	-2.81E-08	-2.76E-08	-2.84E-08	-3.62E-08	-3.62E-08	-3.62E-08	-3.62E-08
URI (ΔCDF)	2.51E-07	4.27E-07	4.27E-07	3.32E-07	-1.68E-07	-1.65E-07	-1.62E-07	-1.59E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.60E-07	4.00E-07	4.00E-07	3.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07

Licensee Comments:

1Q/12: Revised unavailability monitoring of the fuel oil transfer pumps per FAQ 484 and EDG run hours per FAQ 480.

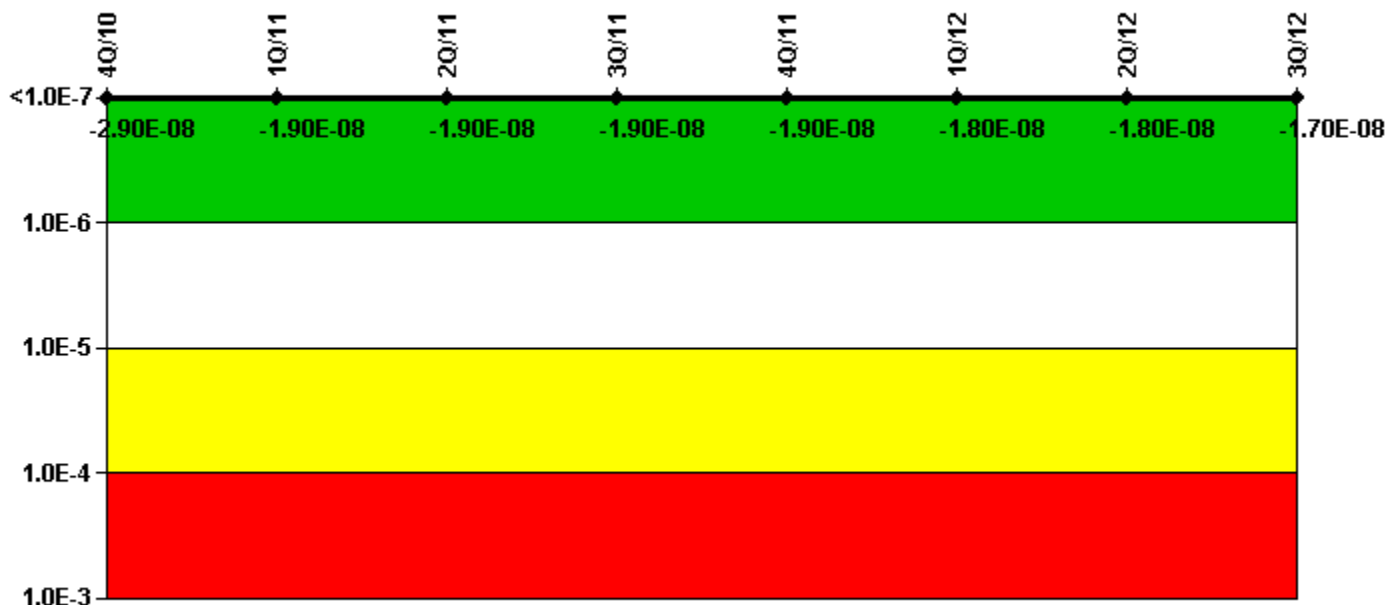
3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked.

1Q/11: Risk Cap Invoked. Changed PRA Parameter(s). PRA Model Change PRA-BV2-AL-R05, effective 12/31/2010.

4Q/10: 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

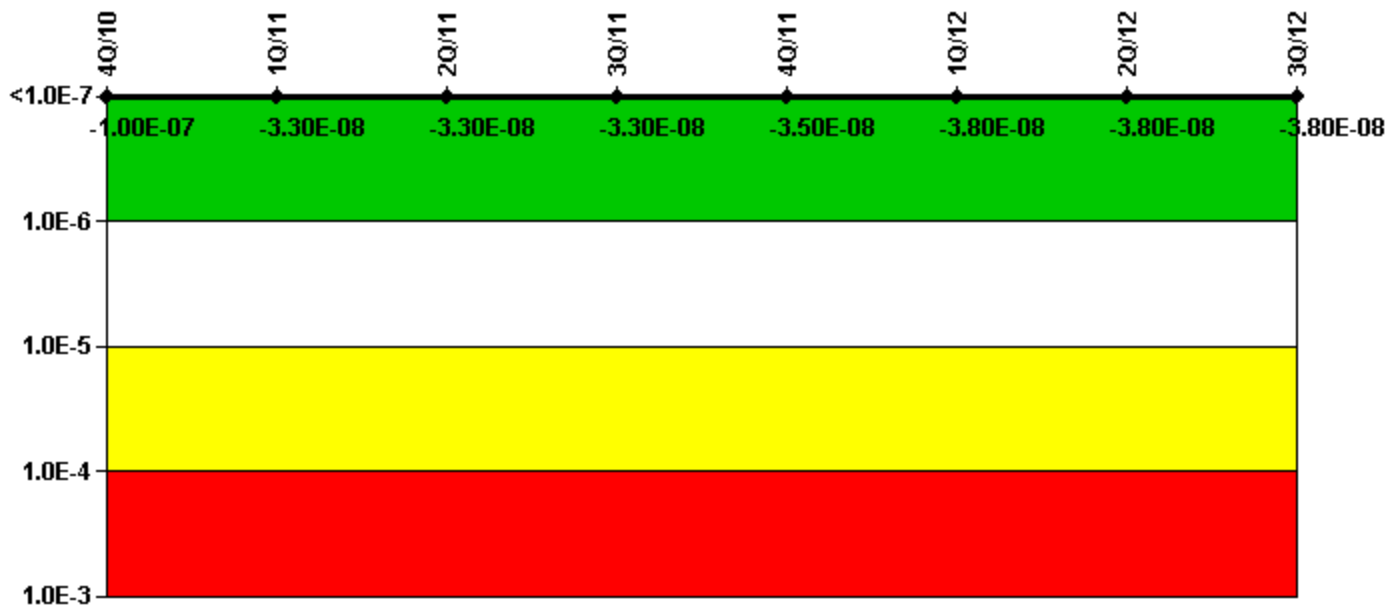
Mitigating Systems Performance Index, High Pressure Injection System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-7.95E-09	-7.11E-09	-7.11E-09	-7.11E-09	-7.11E-09	-7.11E-09	-7.11E-09	-7.11E-09
URI (Δ CDF)	-2.11E-08	-1.15E-08	-1.15E-08	-1.15E-08	-1.15E-08	-1.11E-08	-1.07E-08	-1.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.80E-08	-1.80E-08	-1.70E-08

Licensee Comments:

1Q/12: Frequency for testing of two HHSI suction isolation valves was changed from once per week to once per quarter. Changed estimated demands to match.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV2-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Heat Removal System



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

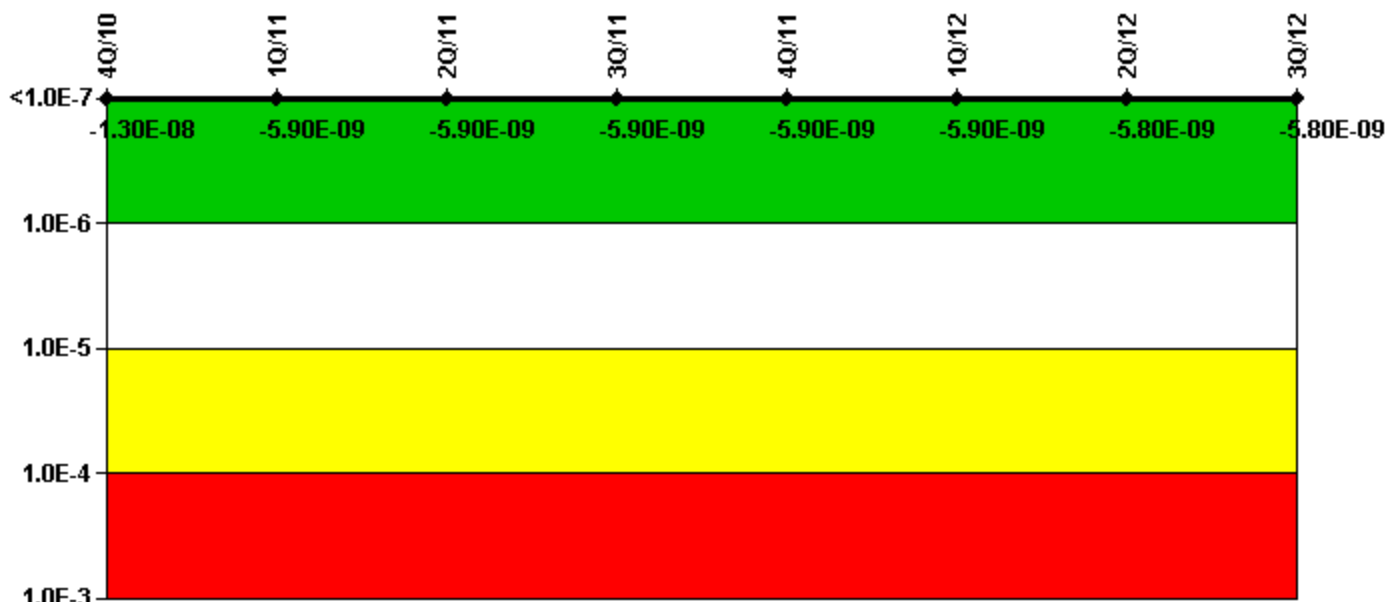
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-5.46E-08	-7.93E-09	-7.02E-09	-7.02E-09	-8.97E-09	-1.15E-08	-1.15E-08	-1.15E-08
URI (Δ CDF)	-4.89E-08	-2.51E-08	-2.64E-08	-2.64E-08	-2.64E-08	-2.64E-08	-2.64E-08	-2.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-07	-3.30E-08	-3.30E-08	-3.30E-08	-3.50E-08	-3.80E-08	-3.80E-08	-3.80E-08

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV2-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

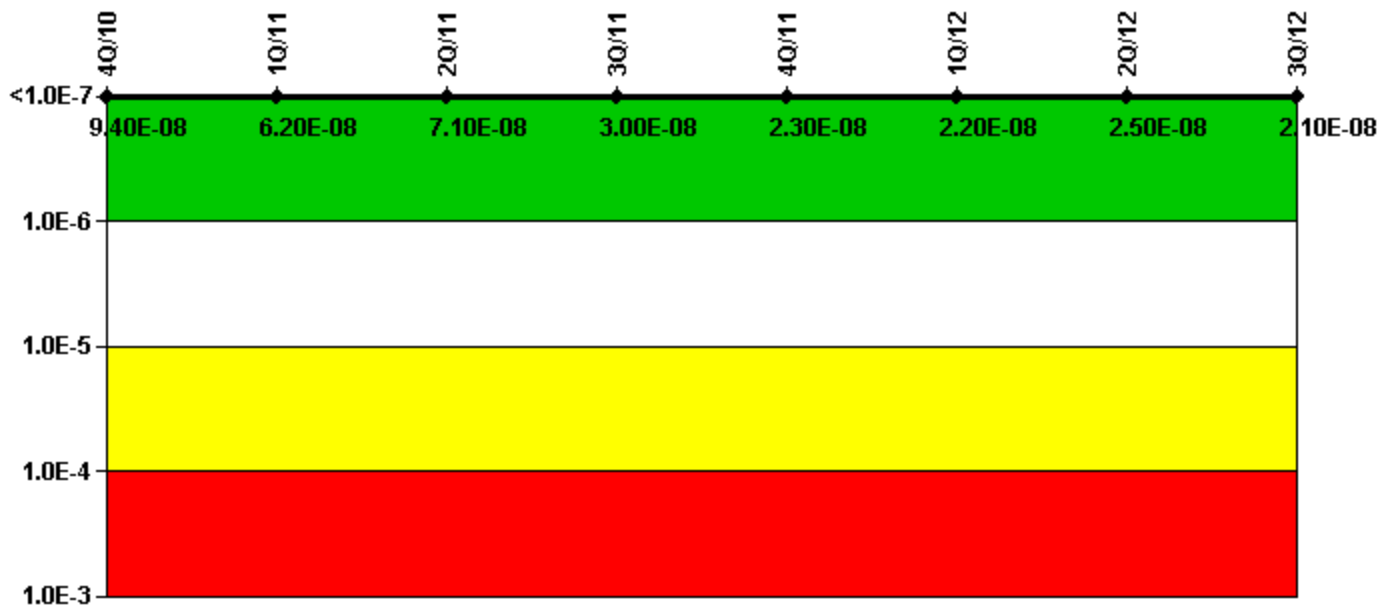
Mitigating Systems Performance Index, Residual Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-5.87E-09	-2.73E-09	-2.73E-09	-2.73E-09	-2.73E-09	-2.73E-09	-2.73E-09	-2.73E-09
URI (Δ CDF)	-6.71E-09	-3.17E-09	-3.17E-09	-3.17E-09	-3.17E-09	-3.13E-09	-3.09E-09	-3.05E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-08	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.80E-09	-5.80E-09

Licensee Comments:

1Q/12: The estimated start demands for the associated pumps utilized for residual heat removal was lowered due to a change in the surveillance testing procedure.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV2-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Cooling Water Systems



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

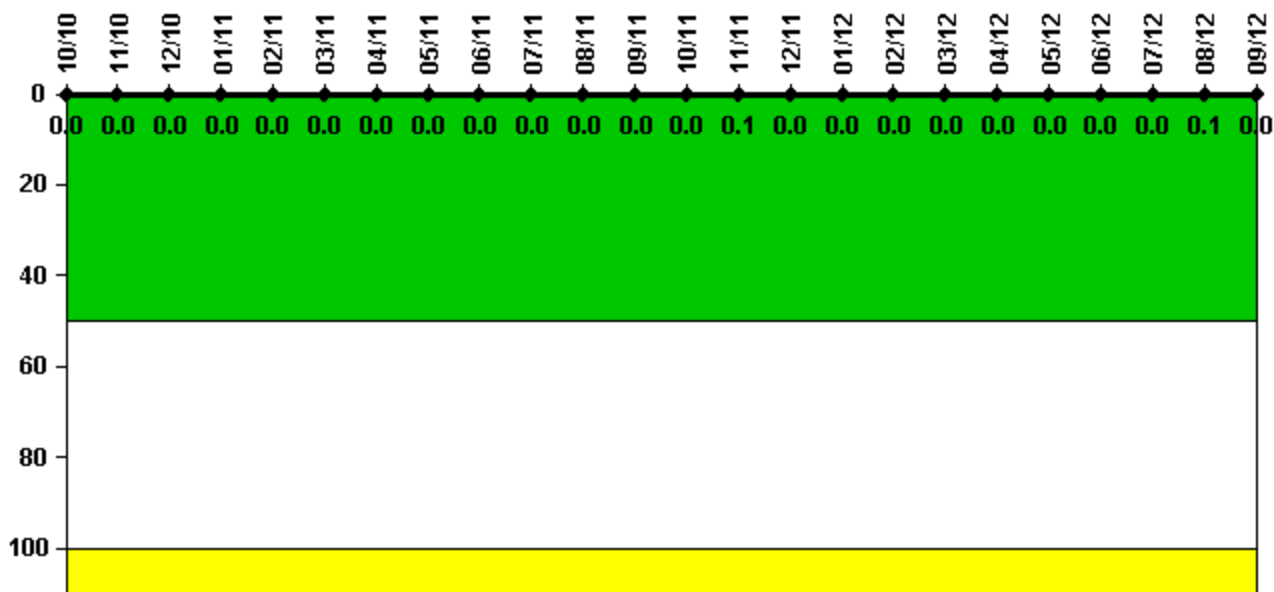
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	6.81E-08	2.94E-08	1.21E-08	1.18E-08	4.45E-09	4.40E-09	6.52E-09	2.49E-09
URI (Δ CDF)	2.60E-08	3.23E-08	5.88E-08	1.81E-08	1.81E-08	1.81E-08	1.81E-08	1.81E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.40E-08	6.20E-08	7.10E-08	3.00E-08	2.30E-08	2.20E-08	2.50E-08	2.10E-08

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV2-AL-R05, effective 12/31/2010.

Reactor Coolant System Activity



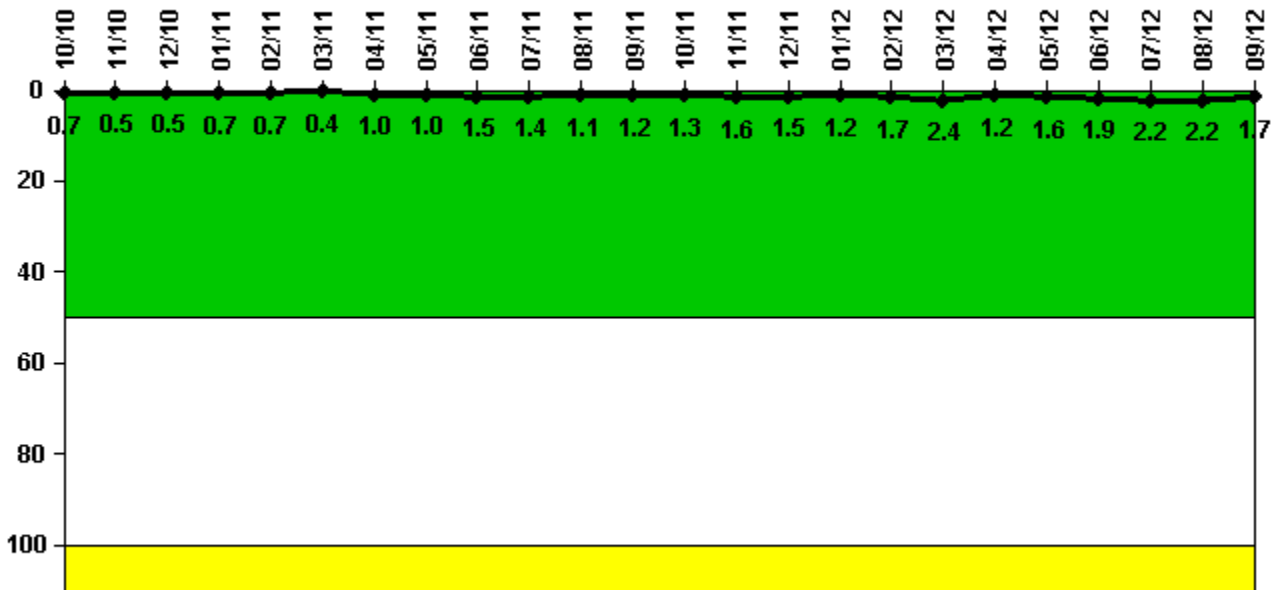
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum activity	0.000144	0.000147	0.000149	0.000156	0.000160	0.000160	0.000085	0.000100	0.000133	0.000121	0.000123	0.000136
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000131	0.000352	0.000154	0.000152	0.000158	0.000155	0.000170	0.000167	0.000173	0.000173	0.000181	0.000173
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0	0.1	0	0	0	0	0	0	0	0	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage



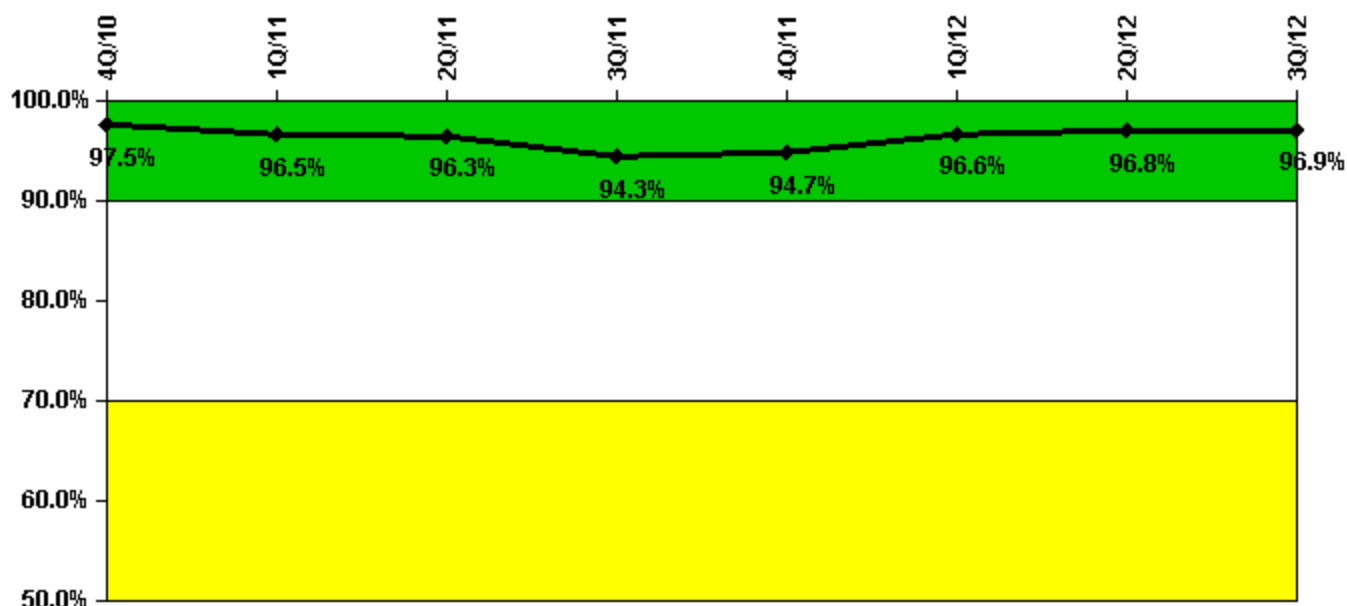
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	0.070	0.050	0.050	0.070	0.070	0.040	0.100	0.100	0.150	0.140	0.110	0.120
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	0.7	0.5	0.5	0.7	0.7	0.4	1.0	1.0	1.5	1.4	1.1	1.2
Reactor Coolant System Leakage	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	0.130	0.160	0.150	0.120	0.170	0.240	0.120	0.160	0.190	0.220	0.220	0.170
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	1.3	1.6	1.5	1.2	1.7	2.4	1.2	1.6	1.9	2.2	2.2	1.7

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

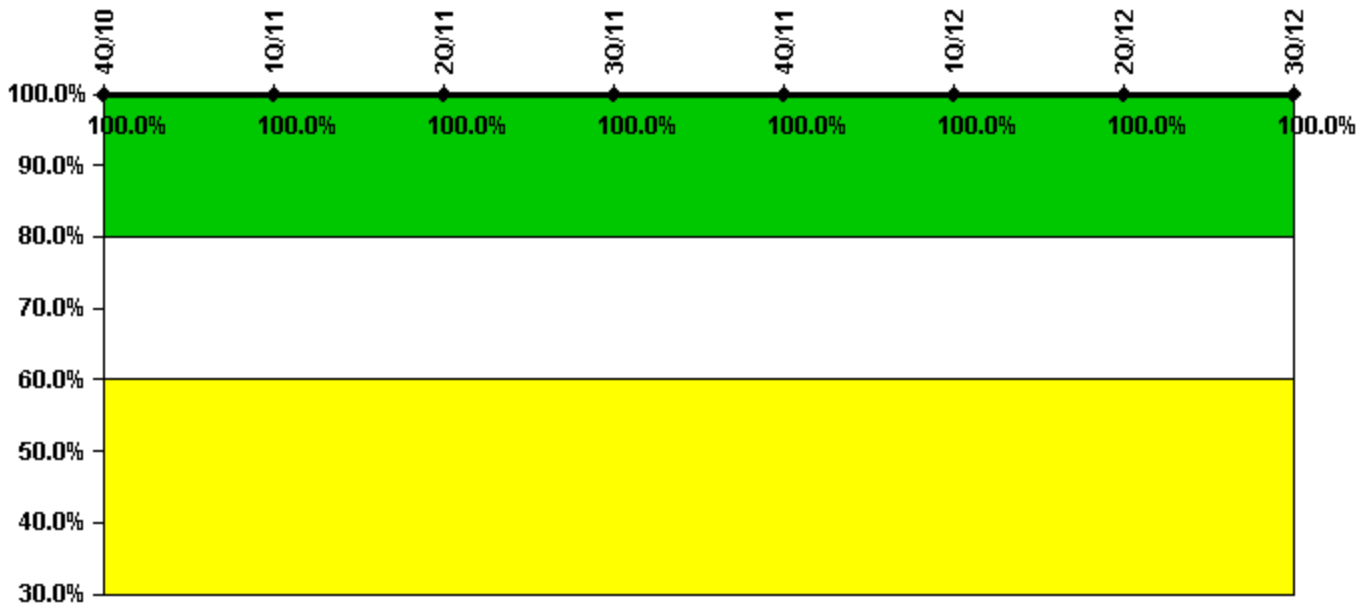
Notes

Drill/Exercise Performance	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful opportunities	5.0	10.0	18.0	17.0	31.0	19.0	89.0	28.0
Total opportunities	5.0	11.0	19.0	20.0	32.0	19.0	90.0	28.0
Indicator value	97.5%	96.5%	96.3%	94.3%	94.7%	96.6%	96.8%	96.9%

Licensee Comments:

1Q/11: Previously reported values for 2011-01 were in error. (See Condition Reports 11-94235 and 11-94392)

ERO Drill Participation



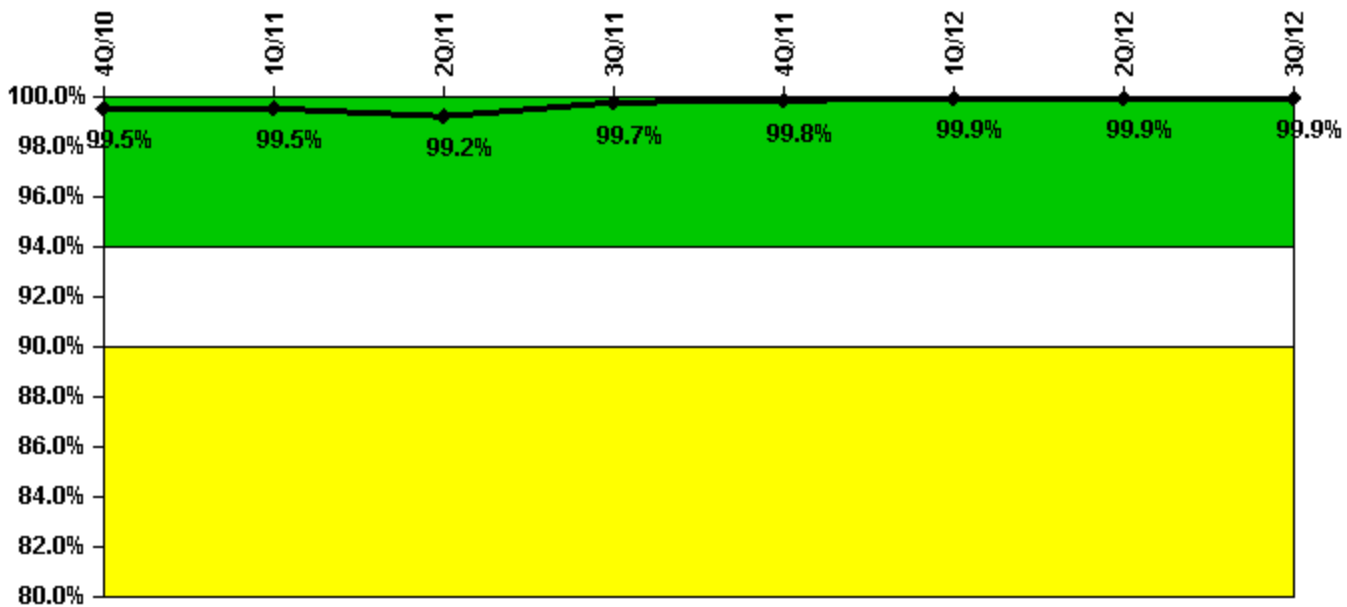
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	116.0	167.0	167.0	170.0	177.0	173.0	169.0	170.0
Total Key personnel	116.0	167.0	167.0	170.0	177.0	173.0	169.0	170.0
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%

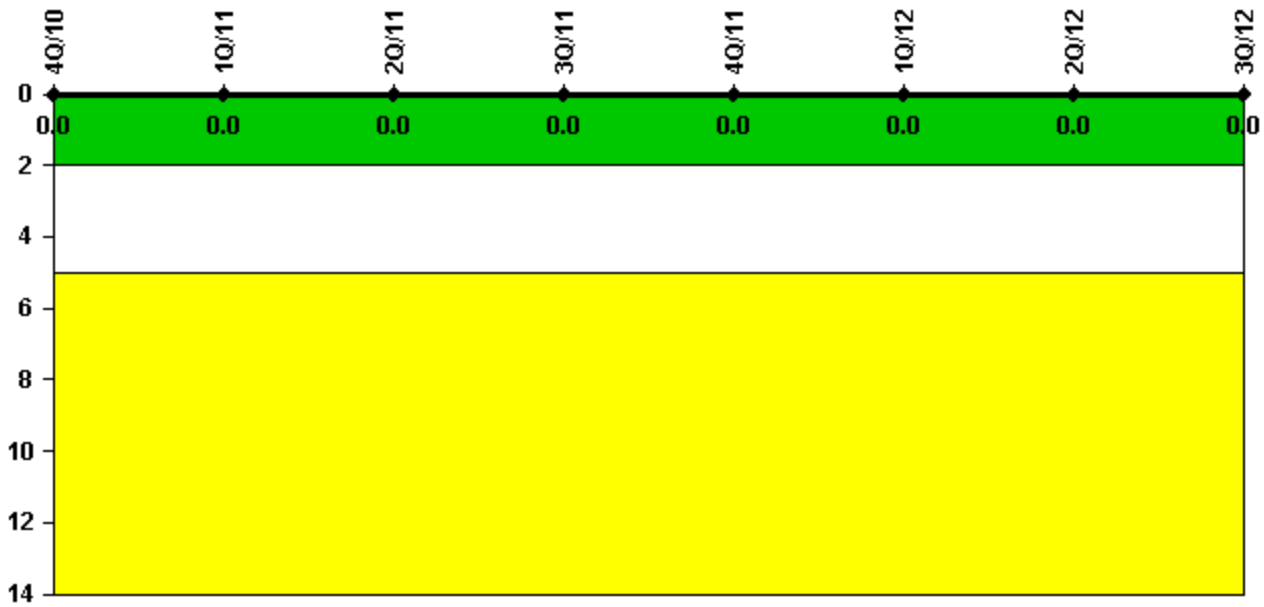
Notes

Alert & Notification System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful siren-tests	119	119	113	1523	1560	1560	1559	1553
Total sirens-tests	119	119	115	1527	1560	1560	1560	1560
Indicator value	99.5%	99.5%	99.2%	99.7%	99.8%	99.9%	99.9%	99.9%

Licensee Comments:

3Q/11: This submittal includes a change in the reporting of the ANS Reliability. The revised Beaver Valley siren test plan that was approved by FEMA in a letter dated June 13, 2011, increased the amount of required siren tests that are reported under this performance indicator.

Occupational Exposure Control Effectiveness



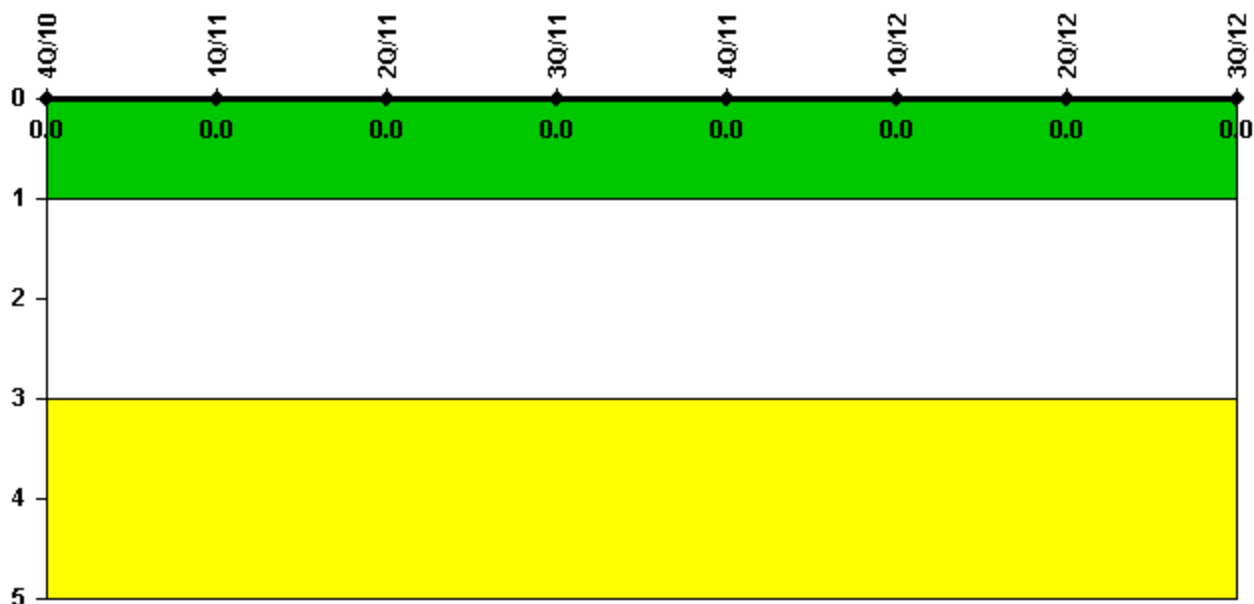
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/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	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/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: October 24, 2012