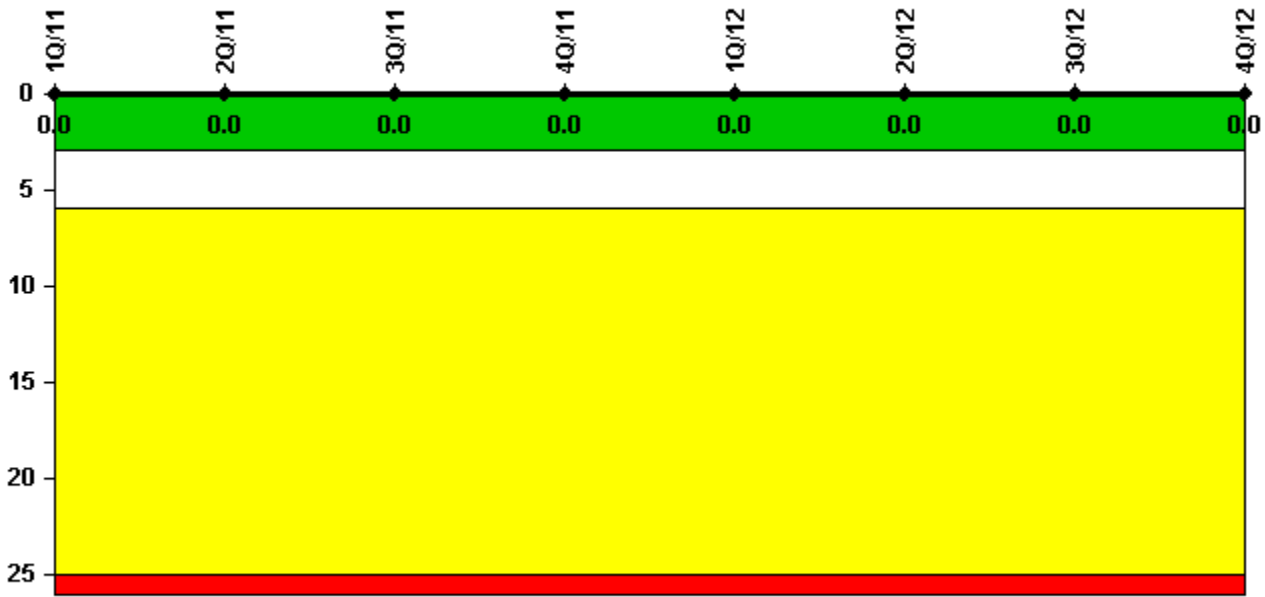


# Beaver Valley 1

## 4Q/2012 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



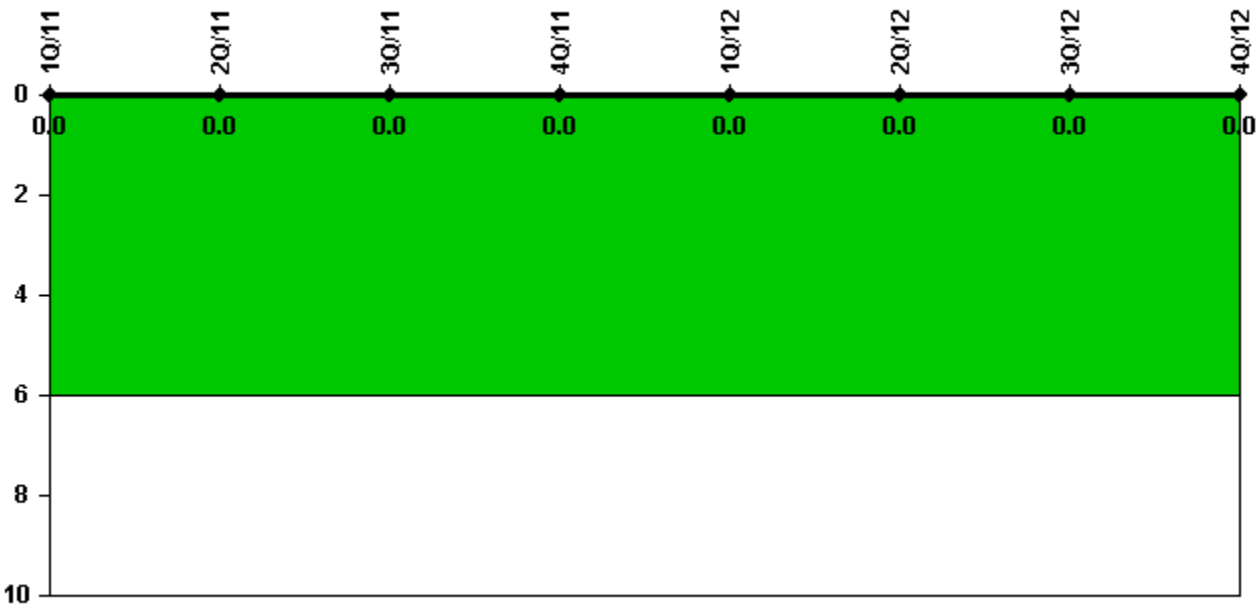
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	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	2159.0	2136.4	2208.0	2209.0	2183.0	1424.0	2208.0	2209.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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	2159.0	2136.4	2208.0	2209.0	2183.0	1424.0	2208.0	2209.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Unplanned Scrams with Complications



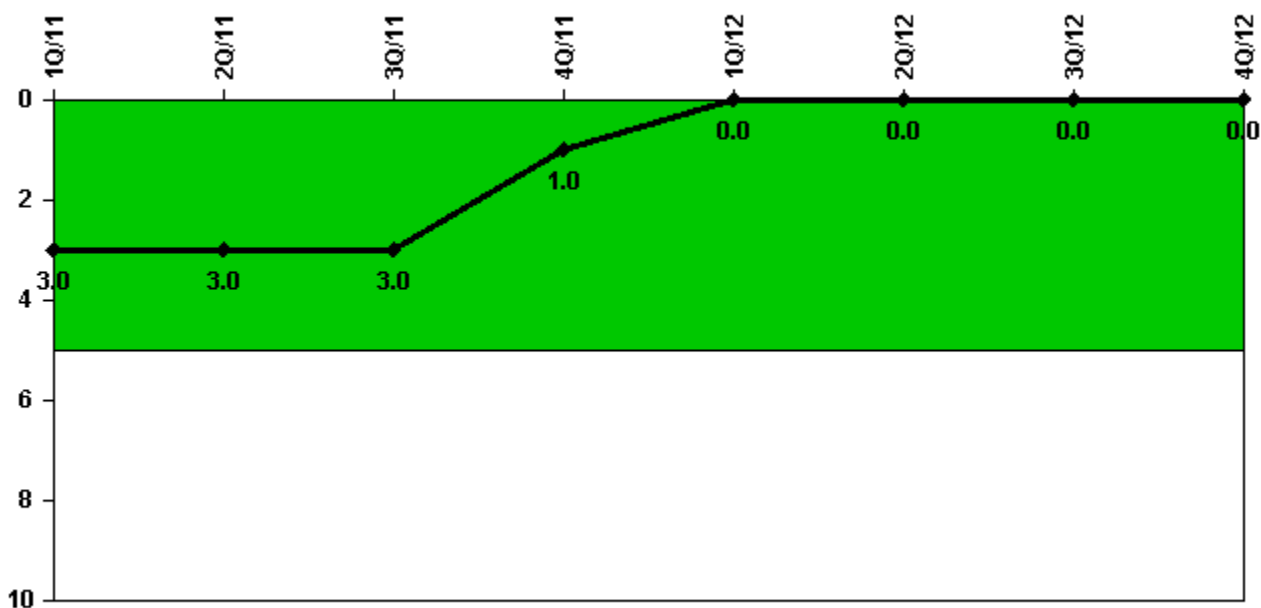
Thresholds: White > 1.0

#### 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
<b>Indicator value</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

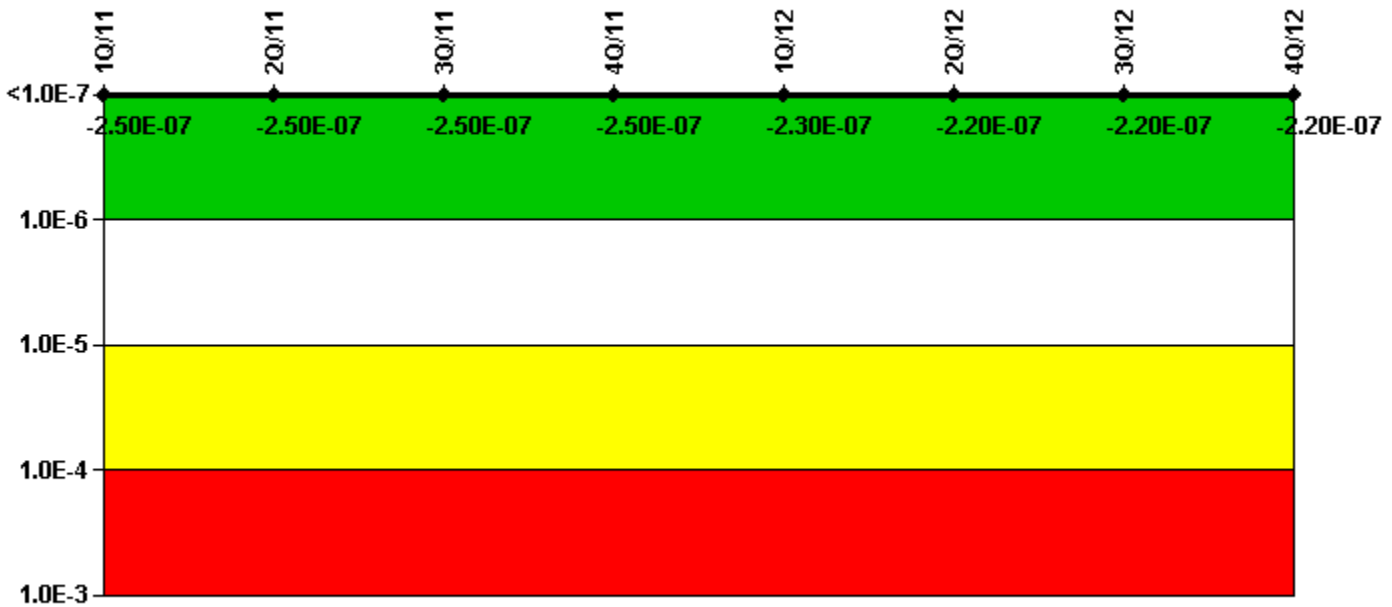
#### Notes

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	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments:

1Q/11: LER 2010-003 Premature Lifting of ECCS Relief Valve Results in Post Accident Outside Containment Leakage Limits to be Exceeded.

### 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 ( $\Delta$ CDF)	-2.36E-08	-2.35E-08	-2.23E-08	-2.22E-08	-9.06E-09	-8.80E-09	-1.44E-08	-1.60E-08
URI ( $\Delta$ CDF)	-2.23E-07	-2.23E-07	-2.23E-07	-2.23E-07	-2.19E-07	-2.14E-07	-2.10E-07	-2.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.30E-07	-2.20E-07	-2.20E-07	-2.20E-07

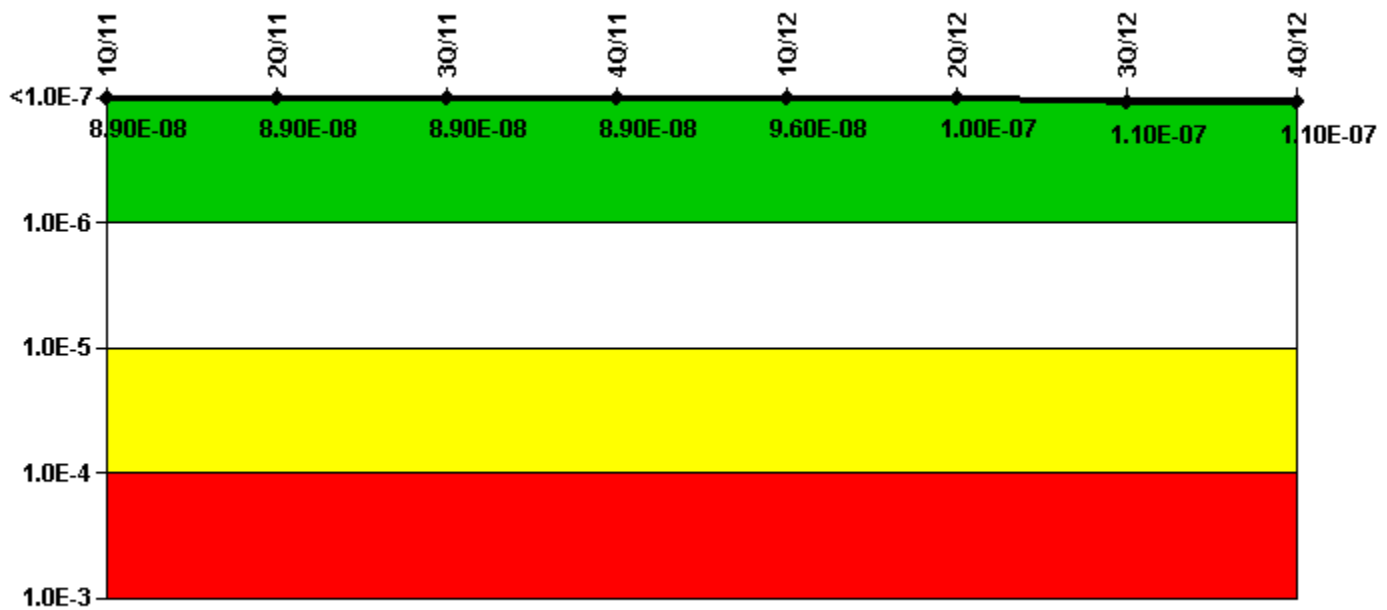
#### Licensee Comments:

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

4Q/11: Train B Planned Unavailable hours changed from 3.10 to 3.60 documented in CR-2012-01746 for testing done in December 2011. This does not cause an indicator color change.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

### Mitigating Systems Performance Index, High Pressure Injection System



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

#### Notes

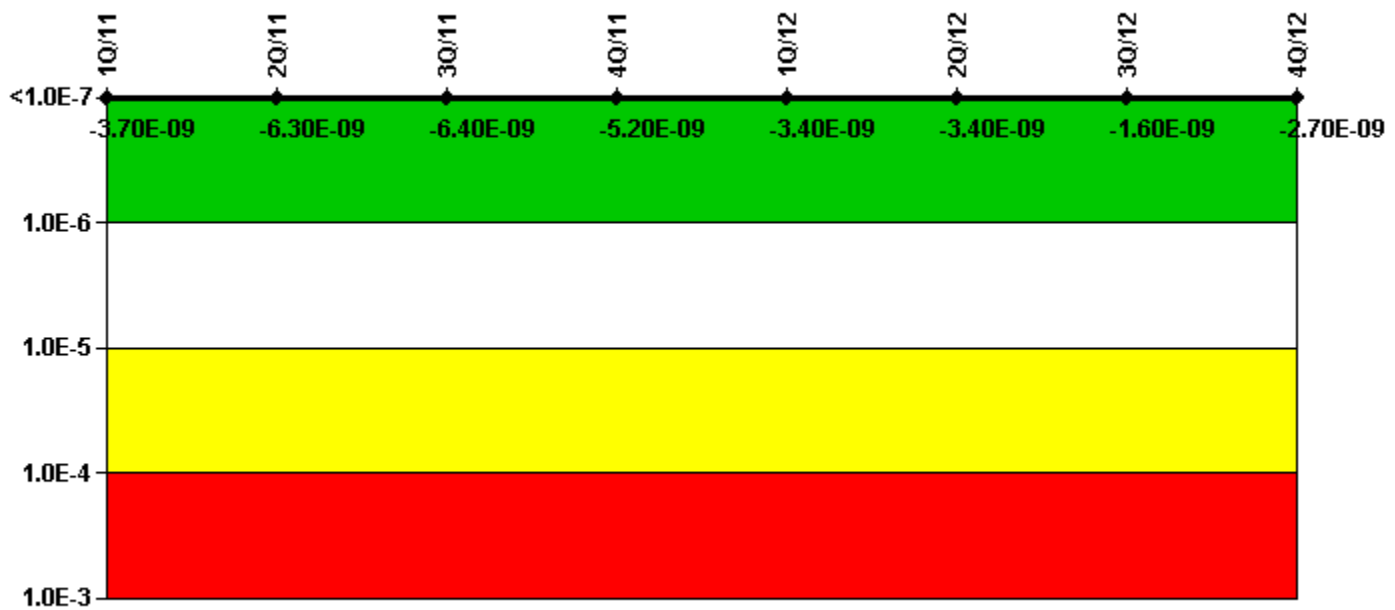
Mitigating Systems Performance Index, High Pressure Injection System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	-3.35E-08	-3.35E-08	-3.35E-08	-3.35E-08	-3.21E-08	-3.11E-08	-3.13E-08	-3.35E-08
URI ( $\Delta$ CDF)	1.23E-07	1.23E-07	1.23E-07	1.23E-07	1.28E-07	1.33E-07	1.38E-07	1.43E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.90E-08	8.90E-08	8.90E-08	8.90E-08	9.60E-08	1.00E-07	1.10E-07	1.10E-07

#### 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-BV1-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

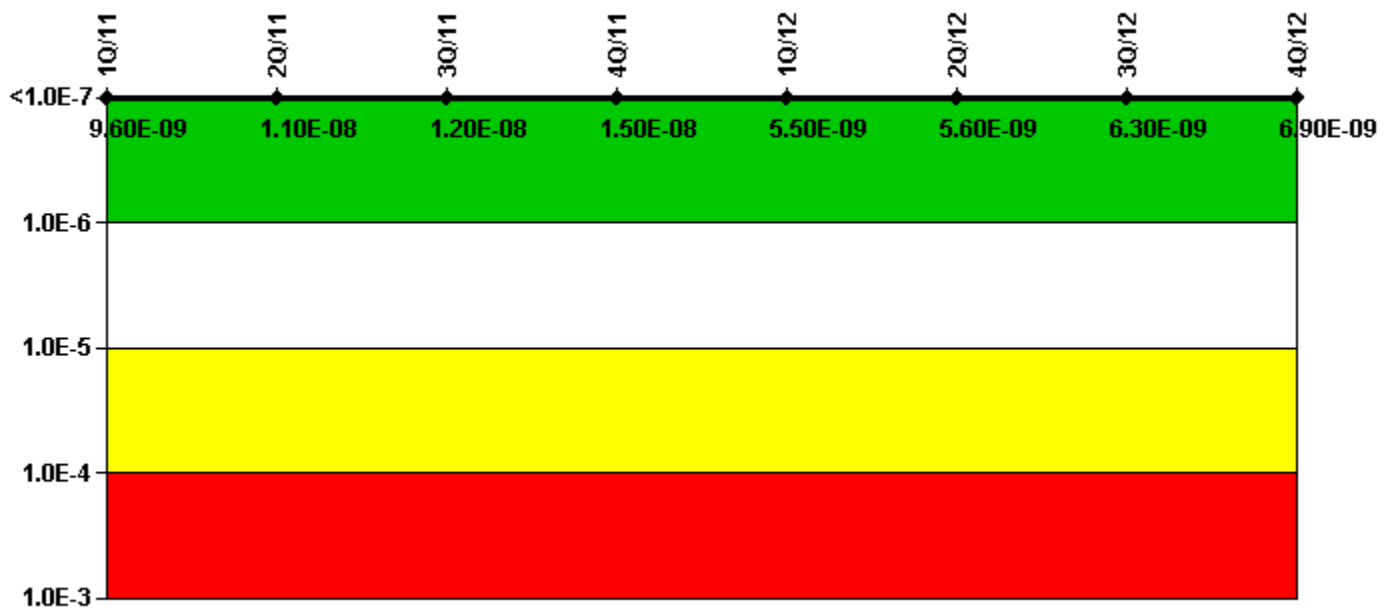
#### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	1.10E-09	-1.46E-09	-1.56E-09	-3.27E-10	1.39E-09	1.34E-09	3.18E-09	2.04E-09
URI ( $\Delta$ CDF)	-4.84E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.75E-09	-4.75E-09	-4.75E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.70E-09	-6.30E-09	-6.40E-09	-5.20E-09	-3.40E-09	-3.40E-09	-1.60E-09	-2.70E-09

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-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

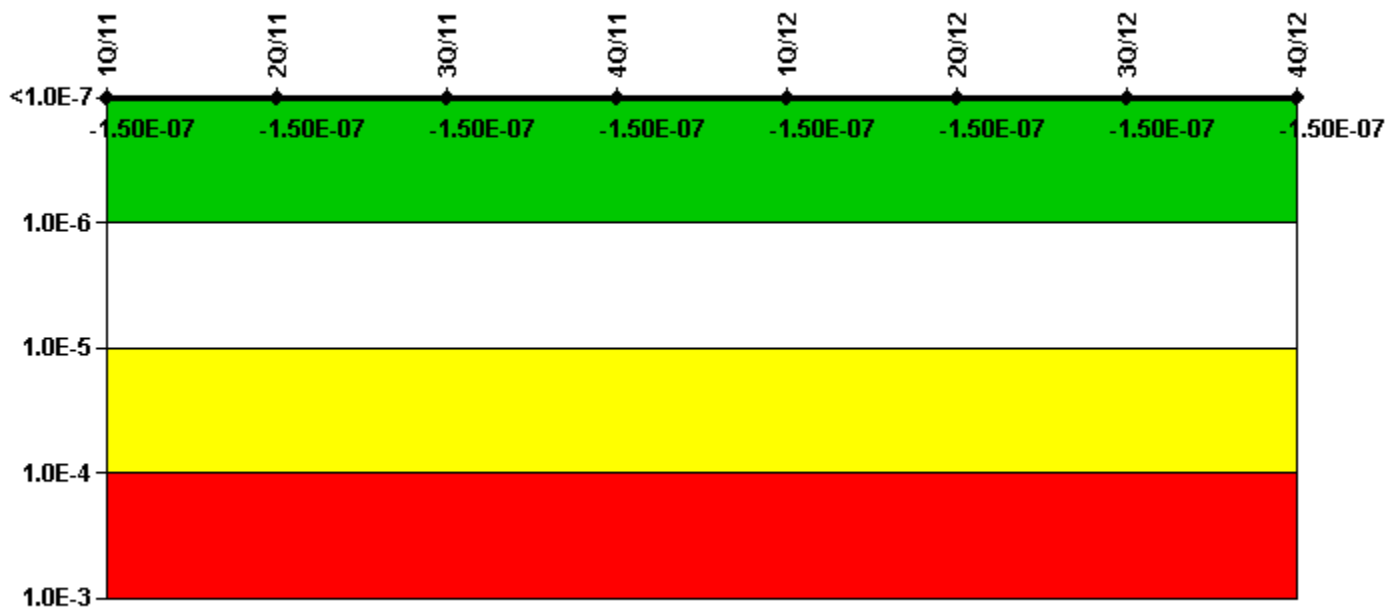
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	1.30E-08	1.41E-08	1.54E-08	1.79E-08	8.80E-09	8.96E-09	9.62E-09	1.02E-08
URI ( $\Delta$ CDF)	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.60E-09	1.10E-08	1.20E-08	1.50E-08	5.50E-09	5.60E-09	6.30E-09	6.90E-09

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-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

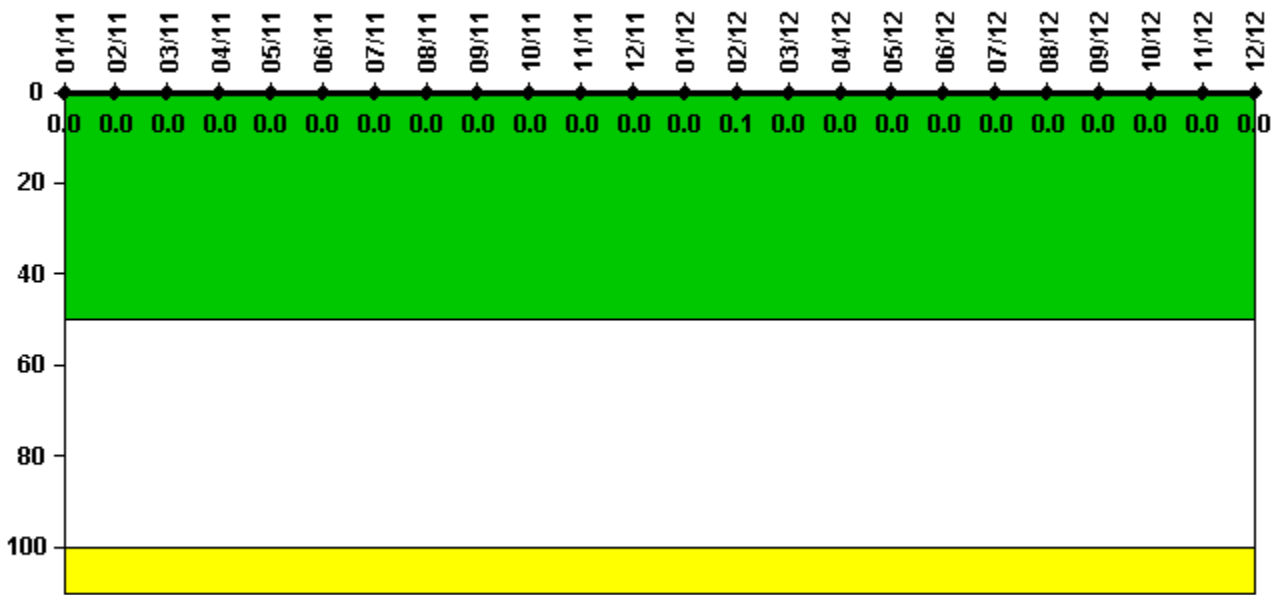
#### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.07E-07	-1.05E-07	-1.04E-07	-1.04E-07
URI ( $\Delta$ CDF)	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

### Reactor Coolant System Activity



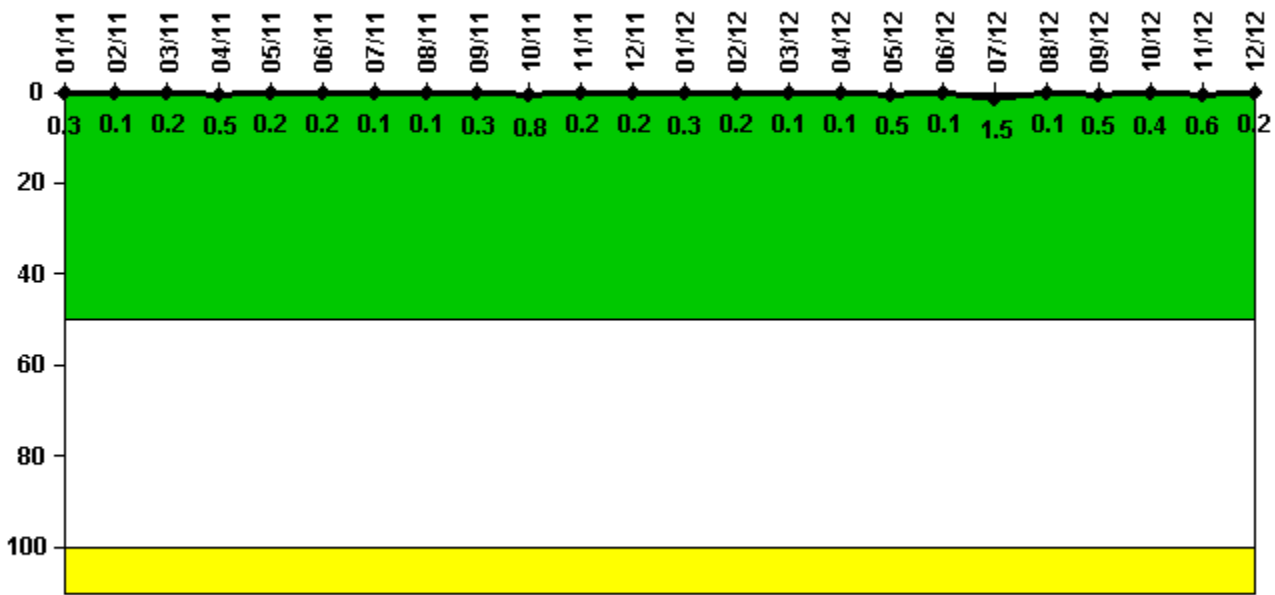
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.000116	0.000124	0.000130	0.000130	0.000136	0.000134	0.000137	0.000145	0.000143	0.000153	0.000163	0.000160
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	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	0.000170	0.000184	0.000173	0.000164	0.000085	0.000094	0.000093	0.000102	0.000115	0.000108	0.000110	0.000110
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	0

Licensee Comments: none

### Reactor Coolant System Leakage



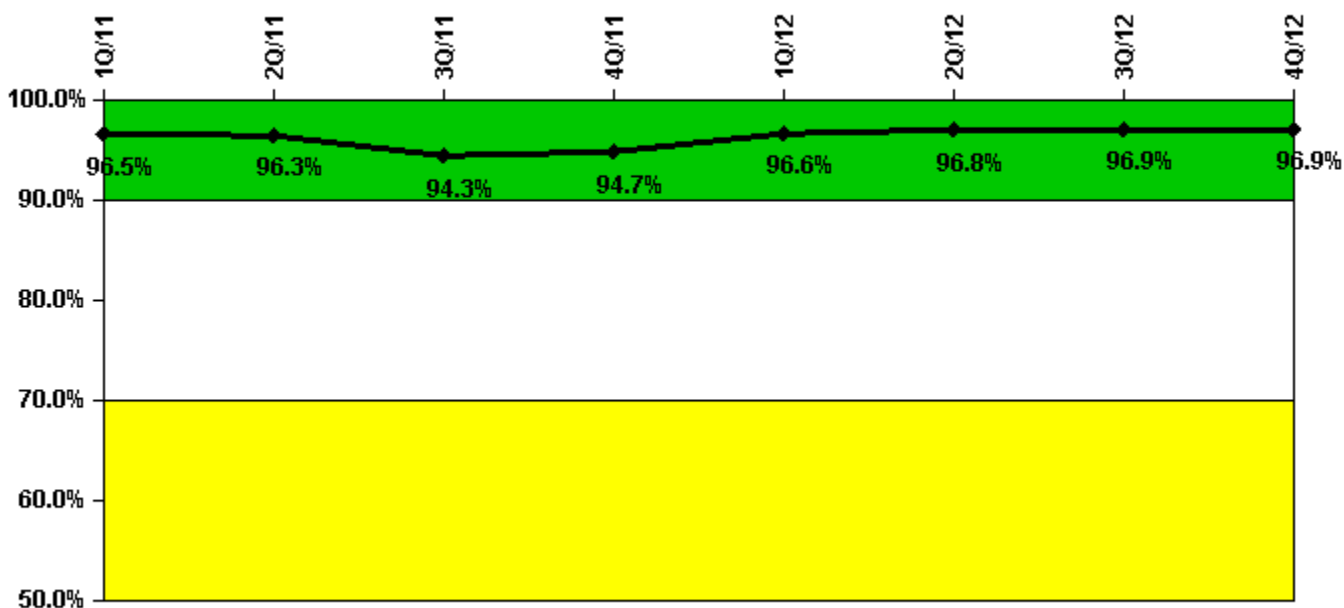
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.030	0.010	0.020	0.050	0.020	0.020	0.010	0.010	0.030	0.080	0.020	0.020
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	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>	<b>0.5</b>	<b>0.2</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.3</b>	<b>0.8</b>	<b>0.2</b>	<b>0.2</b>
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	0.030	0.020	0.010	0.010	0.050	0.010	0.150	0.010	0.050	0.040	0.060	0.020
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	<b>0.3</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.5</b>	<b>0.1</b>	<b>1.5</b>	<b>0.1</b>	<b>0.5</b>	<b>0.4</b>	<b>0.6</b>	<b>0.2</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

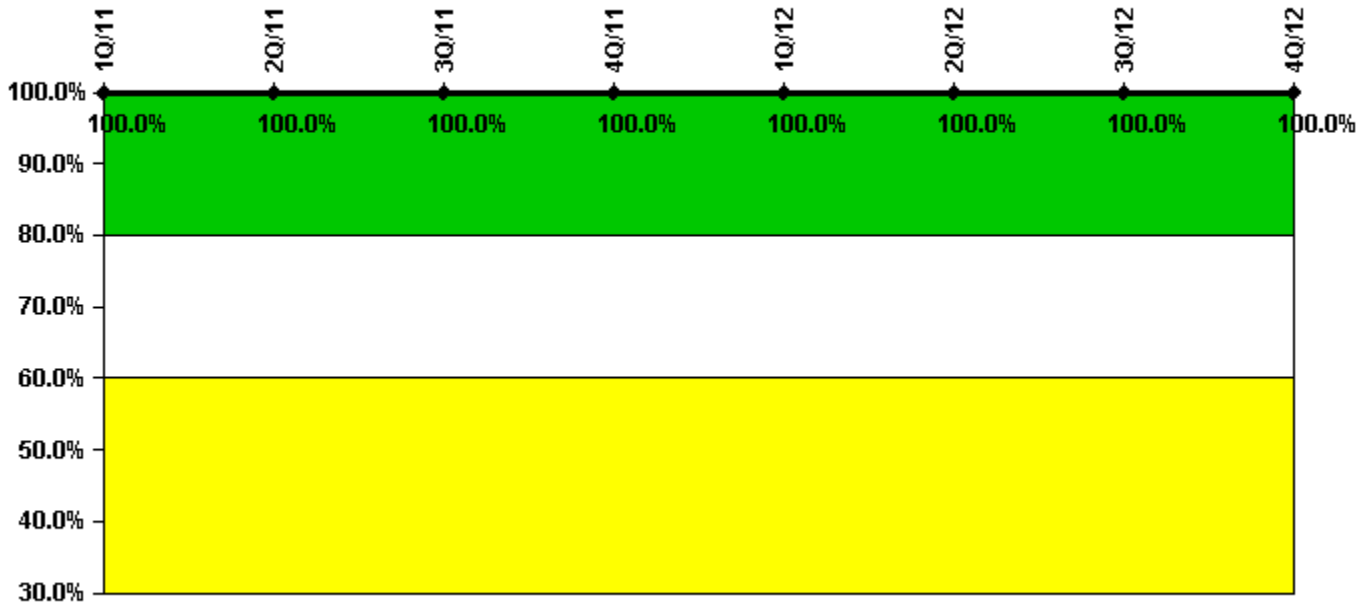
#### Notes

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	10.0	18.0	17.0	31.0	19.0	89.0	28.0	6.0
Total opportunities	11.0	19.0	20.0	32.0	19.0	90.0	28.0	6.0
Indicator value	96.5%	96.3%	94.3%	94.7%	96.6%	96.8%	96.9%	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



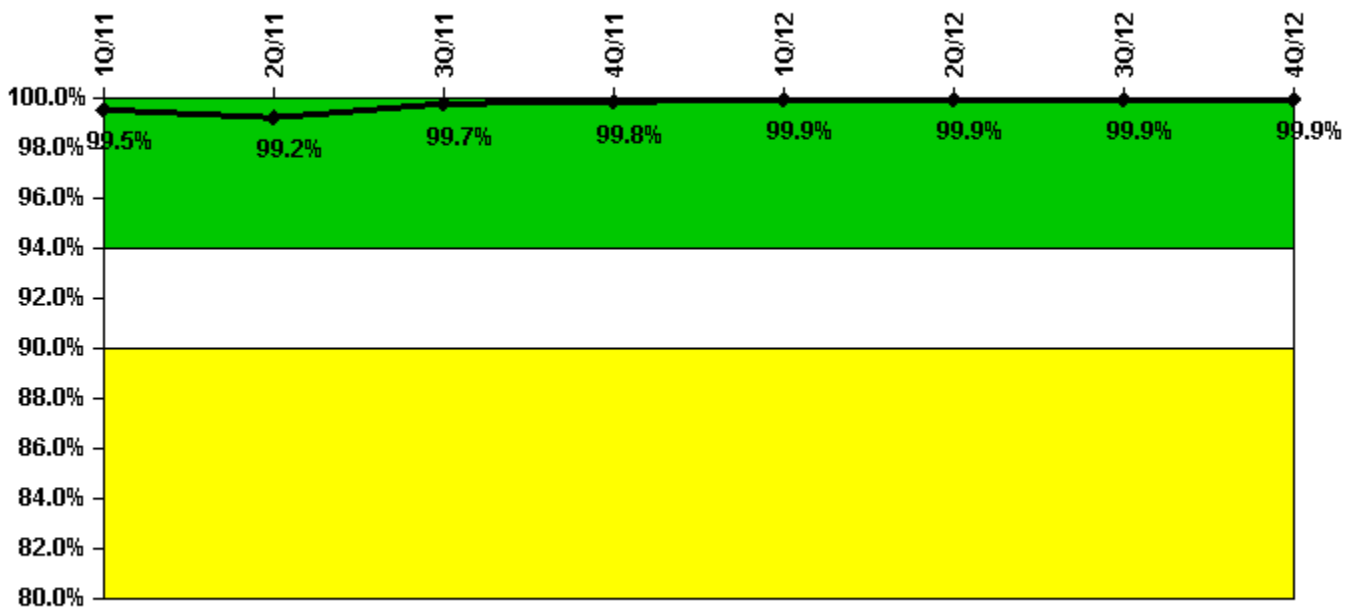
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

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

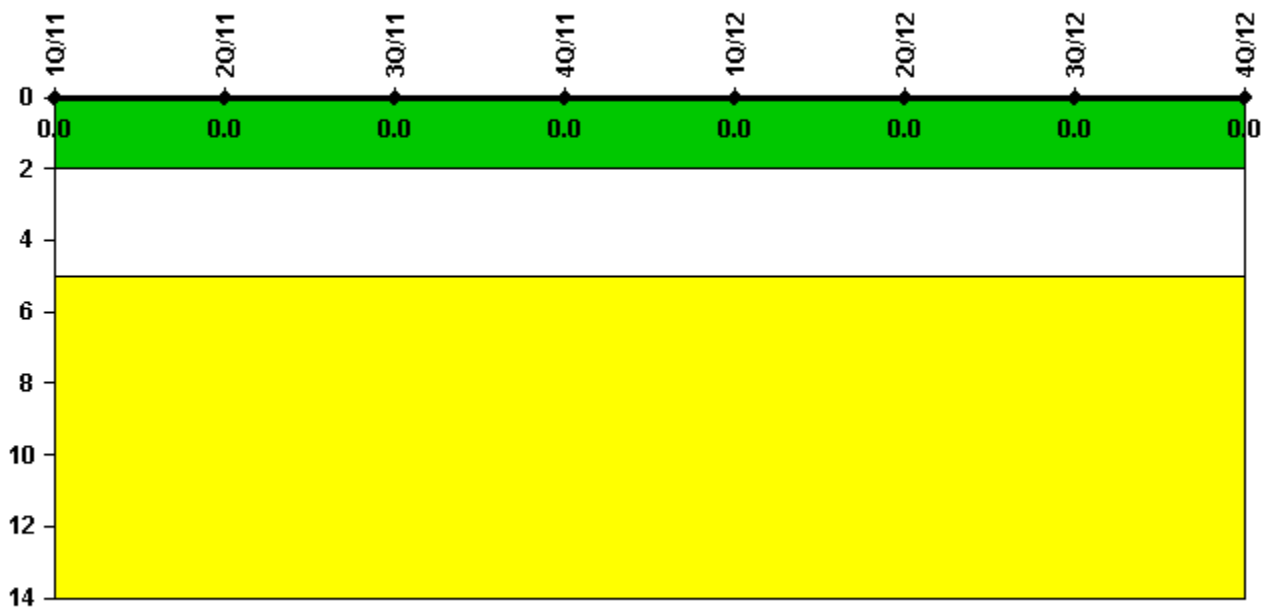
#### Notes

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



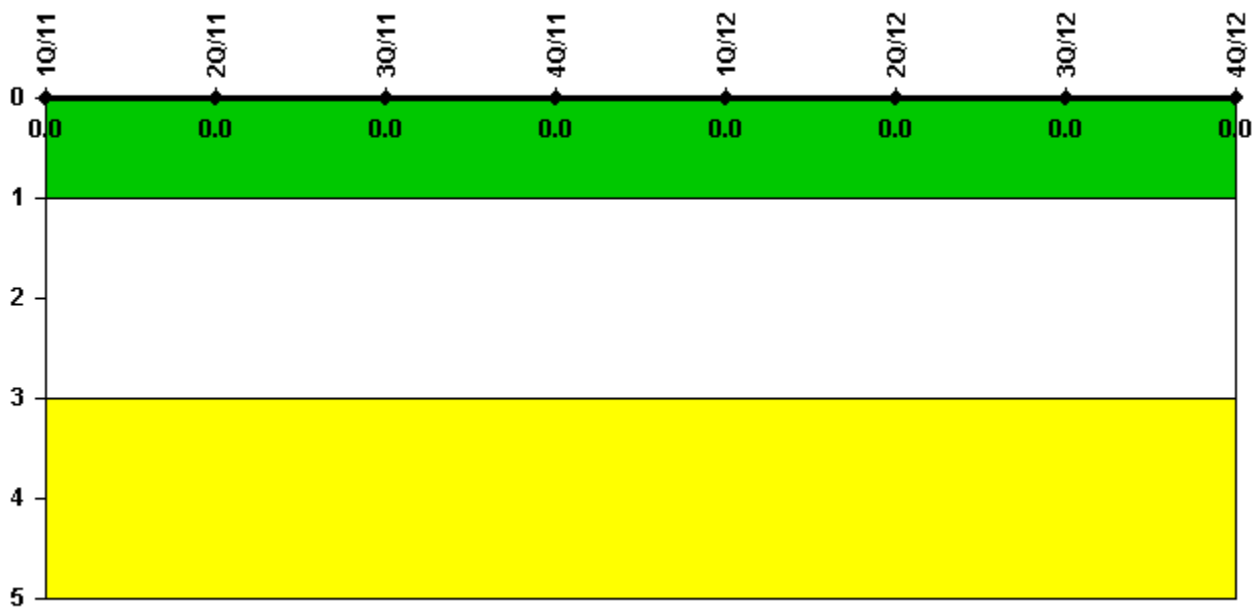
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	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
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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.