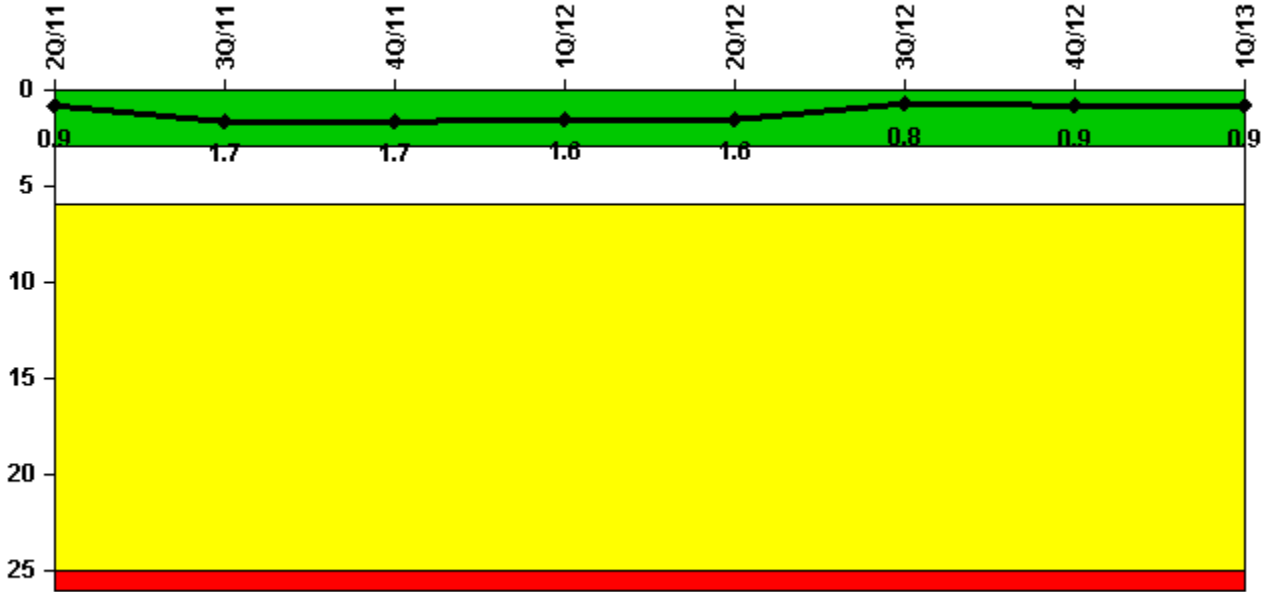


# Vogtle 1

## 1Q/2013 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



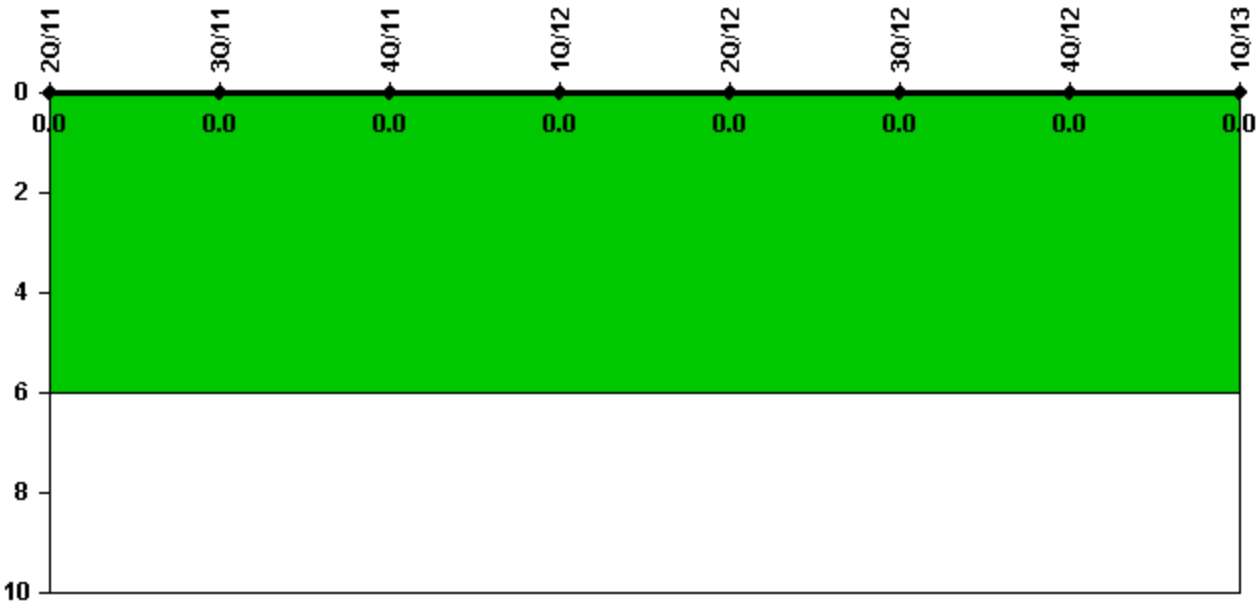
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	1.0	1.0	0	0	1.0	0	0	0
Critical hours	2105.8	2174.6	2209.0	2183.0	2156.5	1853.4	1833.2	2159.0
<b>Indicator value</b>	<b>0.9</b>	<b>1.7</b>	<b>1.7</b>	<b>1.6</b>	<b>1.6</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



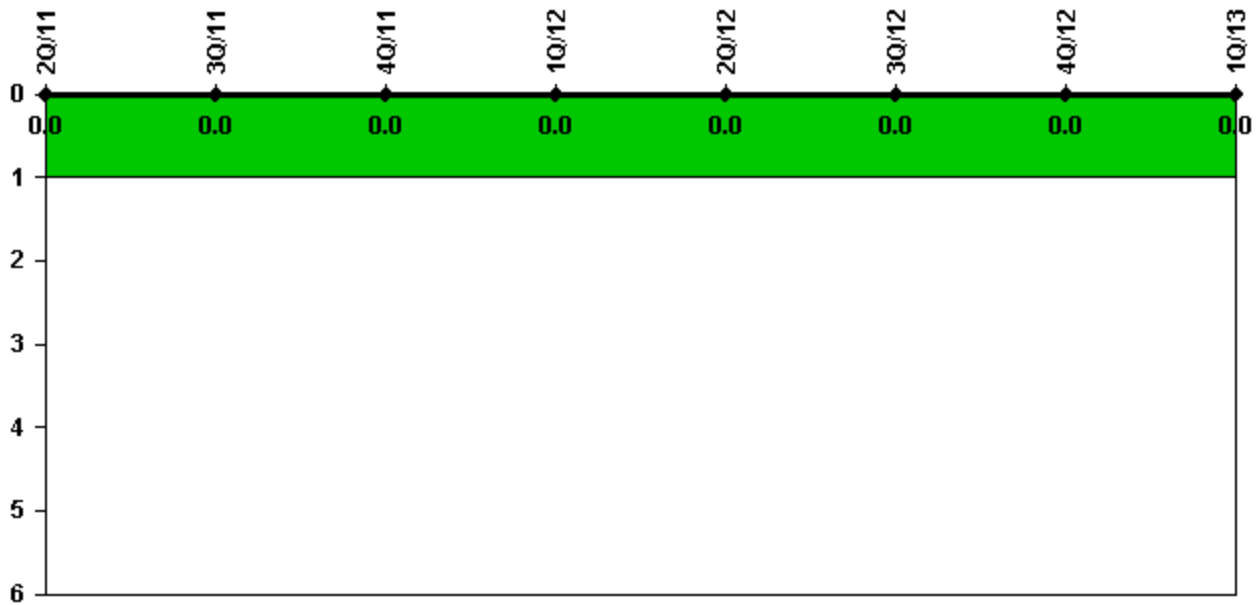
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2105.8	2174.6	2209.0	2183.0	2156.5	1853.4	1833.2	2159.0
<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



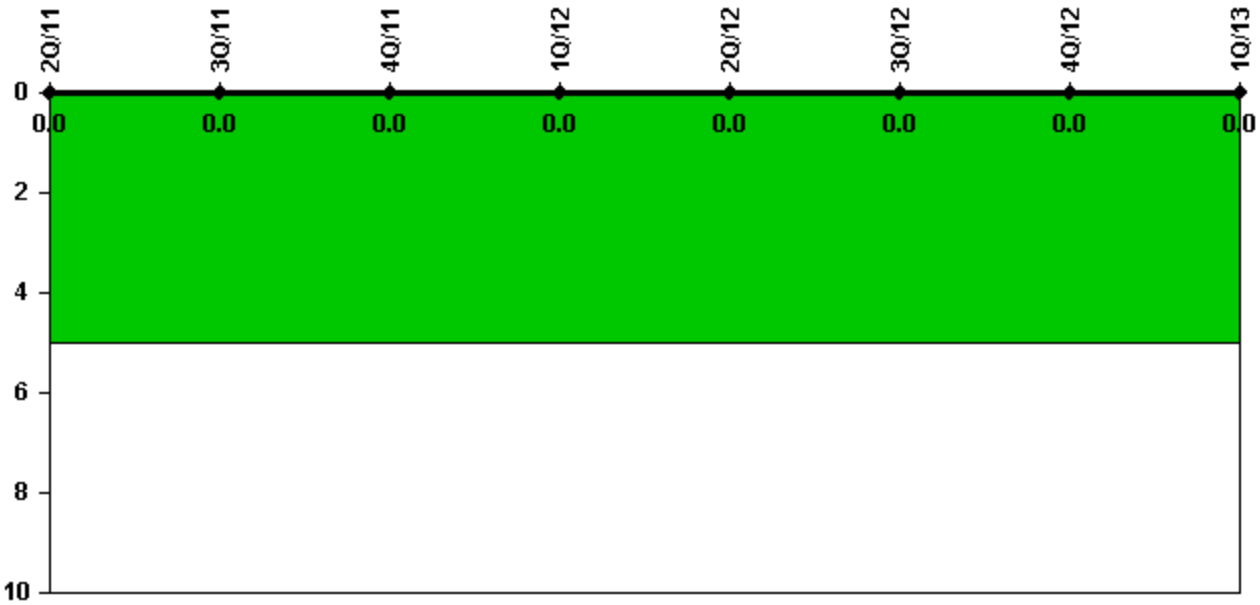
Thresholds: White > 1.0

#### Notes

Unplanned Scrams with Complications	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
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)



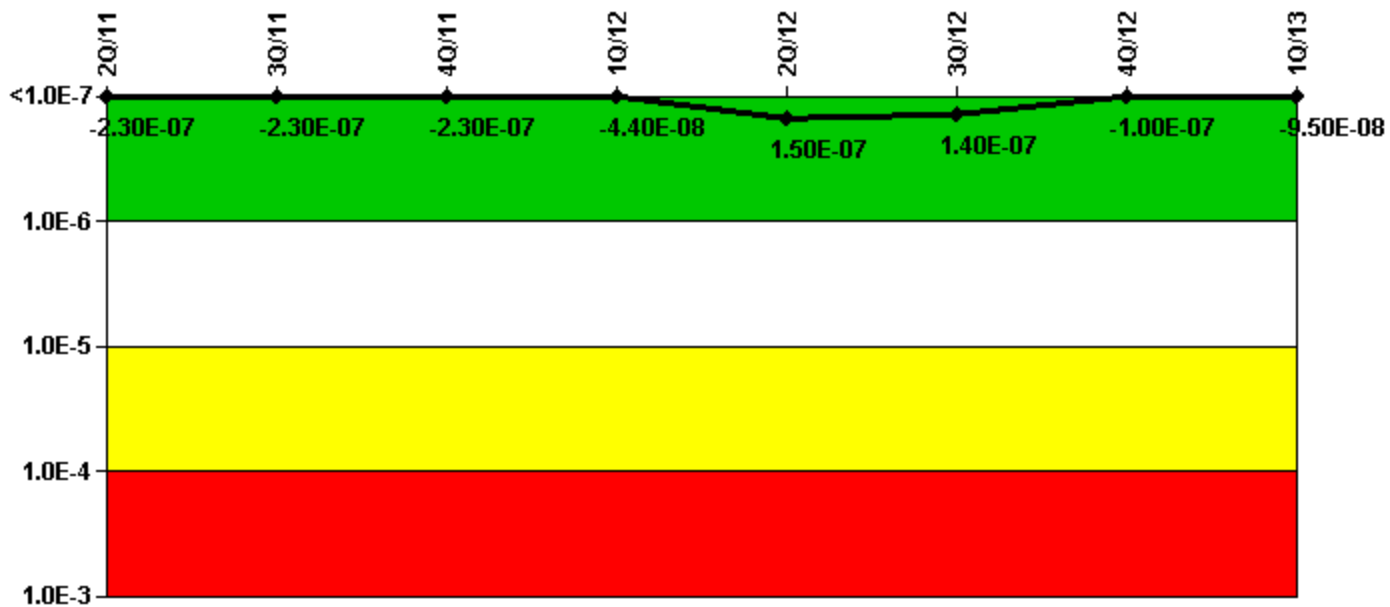
Thresholds: White > 5.0

#### Notes

Safety System Functional Failures (PWR)	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Safety System Functional Failures	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

### 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/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI ( $\Delta$ CDF)	-8.03E-08	-8.01E-08	-8.24E-08	1.10E-07	-5.98E-08	-5.88E-08	-5.93E-08	-5.99E-08
URI ( $\Delta$ CDF)	-1.51E-07	-1.52E-07	-1.49E-07	-1.55E-07	2.13E-07	1.95E-07	-4.23E-08	-3.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-07	-2.30E-07	-2.30E-07	-4.40E-08	1.50E-07	1.40E-07	-1.00E-07	-9.50E-08

Licensee Comments:

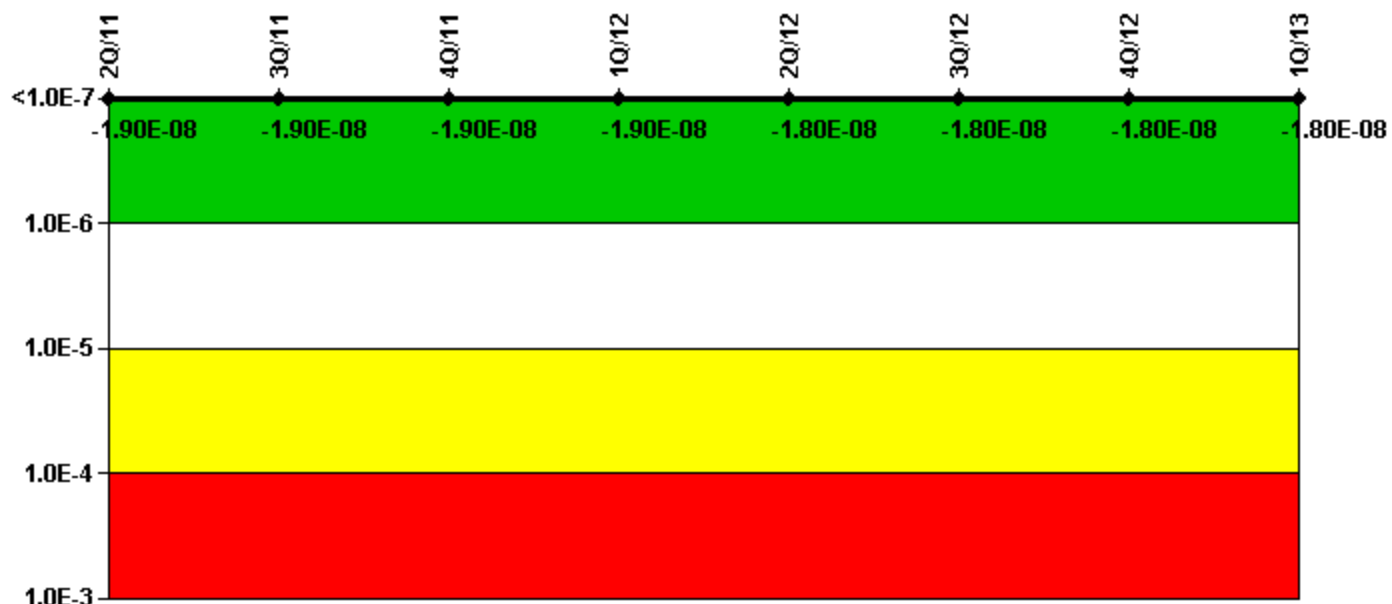
2Q/12: Changed PRA Parameter(s).

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

### 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/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI ( $\Delta$ CDF)	-5.67E-09	-5.66E-09	-5.75E-09	-5.85E-09	-5.96E-09	-6.15E-09	-6.15E-09	-6.15E-09
URI ( $\Delta$ CDF)	-1.33E-08	-1.32E-08	-1.30E-08	-1.28E-08	-1.25E-08	-1.23E-08	-1.18E-08	-1.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.80E-08	-1.80E-08	-1.80E-08	-1.80E-08

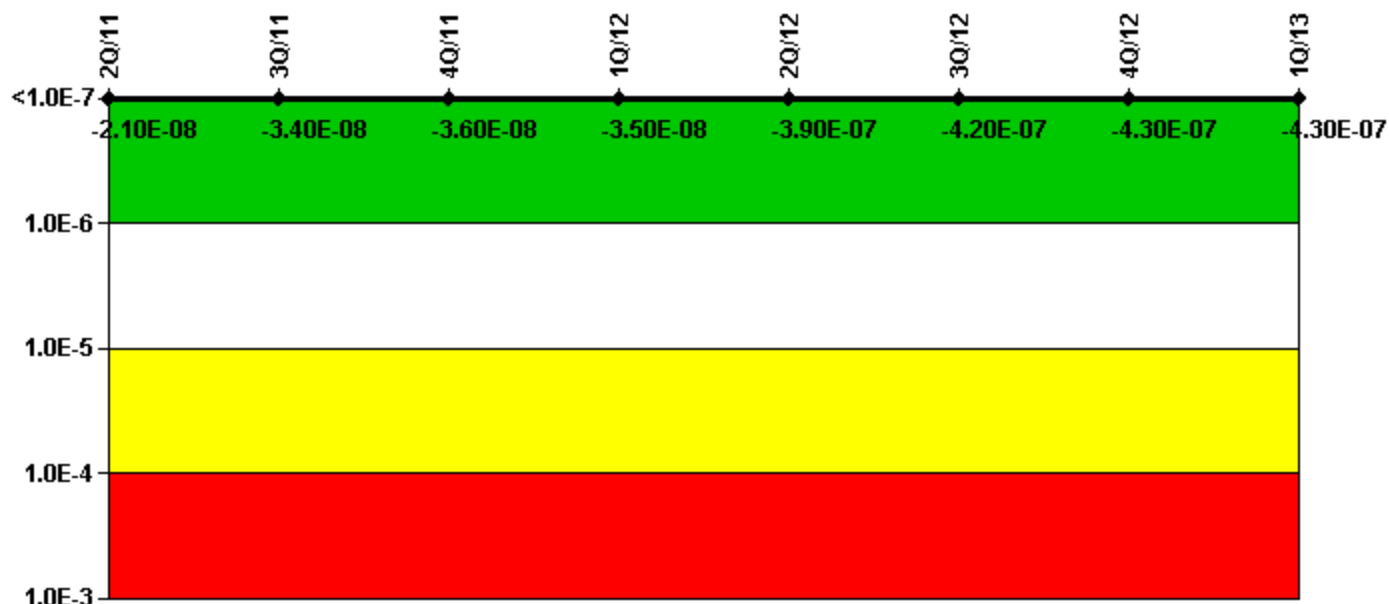
Licensee Comments:

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

### 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/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI ( $\Delta$ CDF)	5.65E-09	1.37E-09	-4.61E-10	1.37E-10	-5.36E-08	-7.62E-08	-9.02E-08	-9.08E-08
URI ( $\Delta$ CDF)	-2.68E-08	-3.52E-08	-3.52E-08	-3.52E-08	-3.38E-07	-3.40E-07	-3.38E-07	-3.38E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.10E-08	-3.40E-08	-3.60E-08	-3.50E-08	-3.90E-07	-4.20E-07	-4.30E-07	-4.30E-07

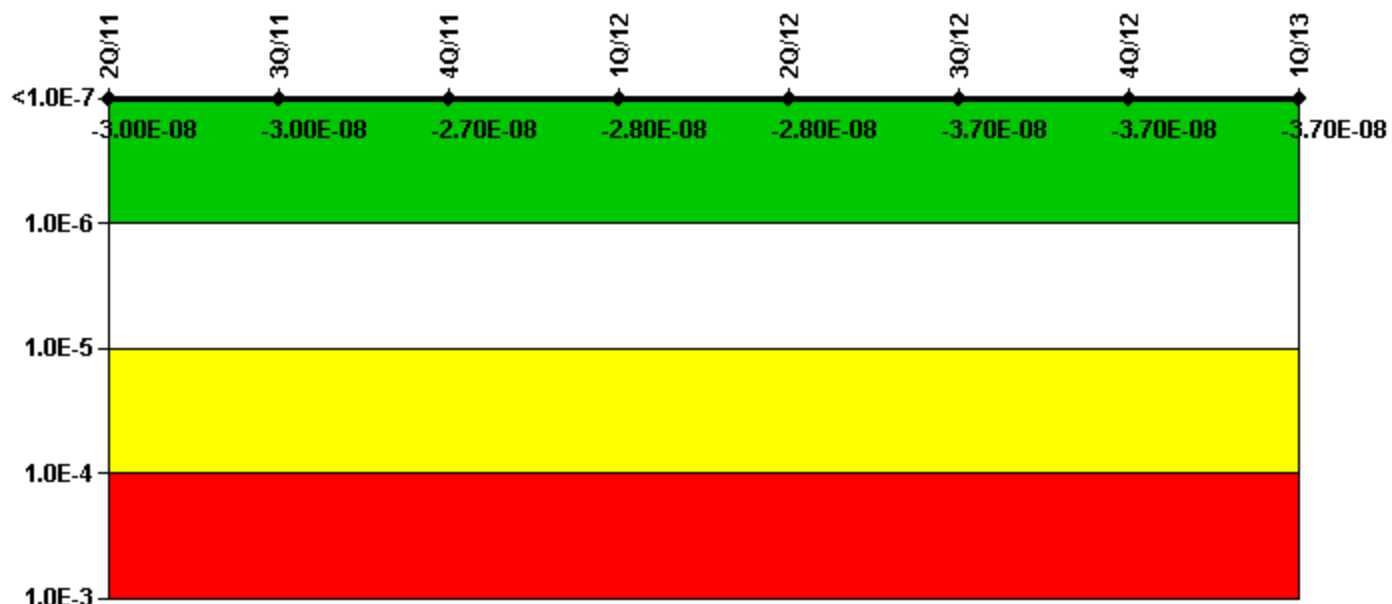
Licensee Comments:

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

### 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/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI ( $\Delta$ CDF)	7.60E-09	7.87E-09	1.07E-08	1.02E-08	1.01E-08	3.65E-09	3.07E-09	2.79E-09
URI ( $\Delta$ CDF)	-3.76E-08	-3.77E-08	-3.79E-08	-3.81E-08	-3.83E-08	-4.10E-08	-4.00E-08	-4.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.00E-08	-3.00E-08	-2.70E-08	-2.80E-08	-2.80E-08	-3.70E-08	-3.70E-08	-3.70E-08

Licensee Comments:

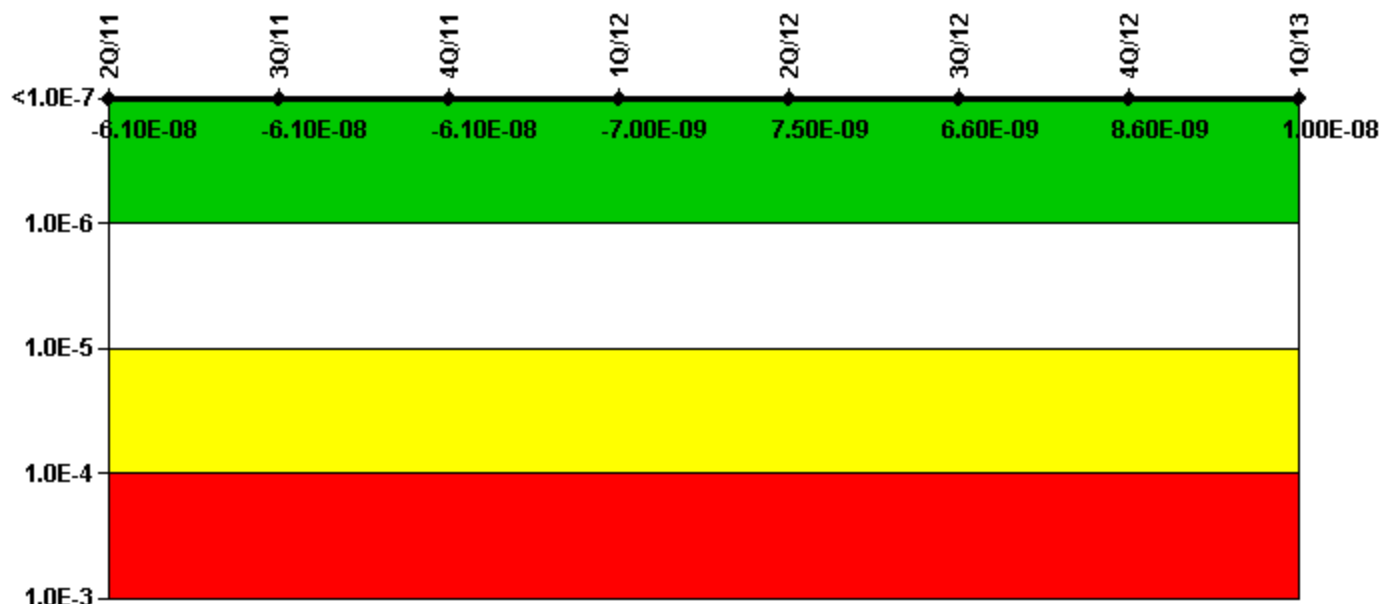
3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).



### 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/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI ( $\Delta$ CDF)	2.73E-08	2.73E-08	2.73E-08	3.44E-08	3.45E-08	3.55E-08	3.52E-08	3.52E-08
URI ( $\Delta$ CDF)	-8.82E-08	-8.84E-08	-8.84E-08	-4.14E-08	-2.70E-08	-2.89E-08	-2.66E-08	-2.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.10E-08	-6.10E-08	-6.10E-08	-7.00E-09	7.50E-09	6.60E-09	8.60E-09	1.00E-08

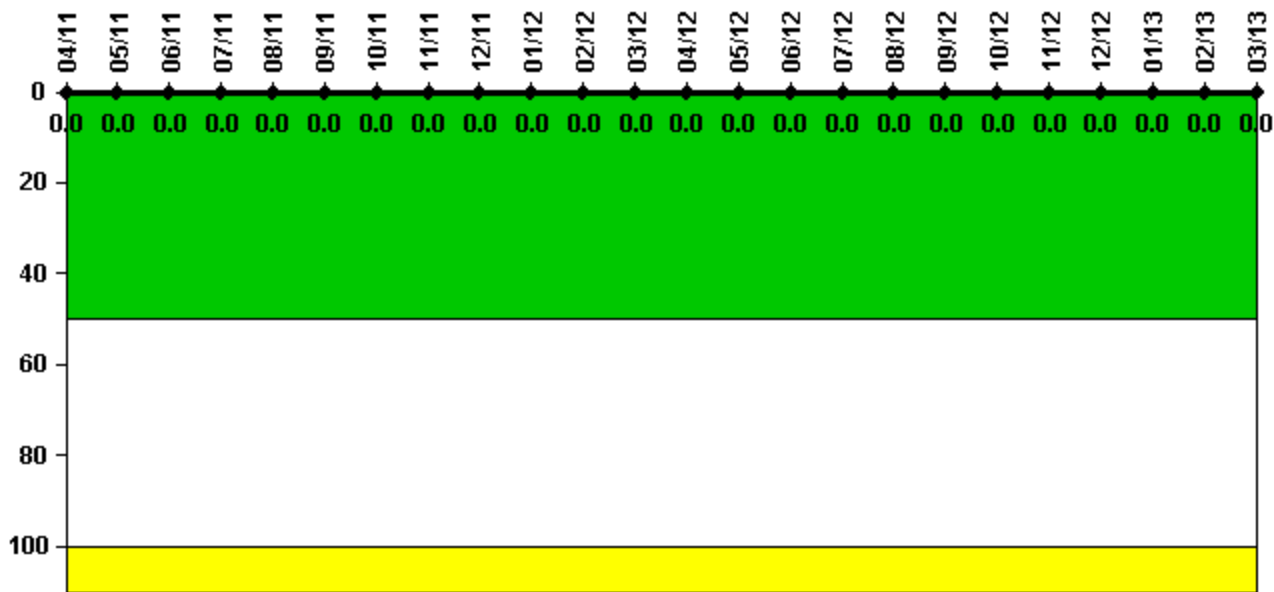
Licensee Comments:

3Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

2Q/11: Changed PRA Parameter(s).

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

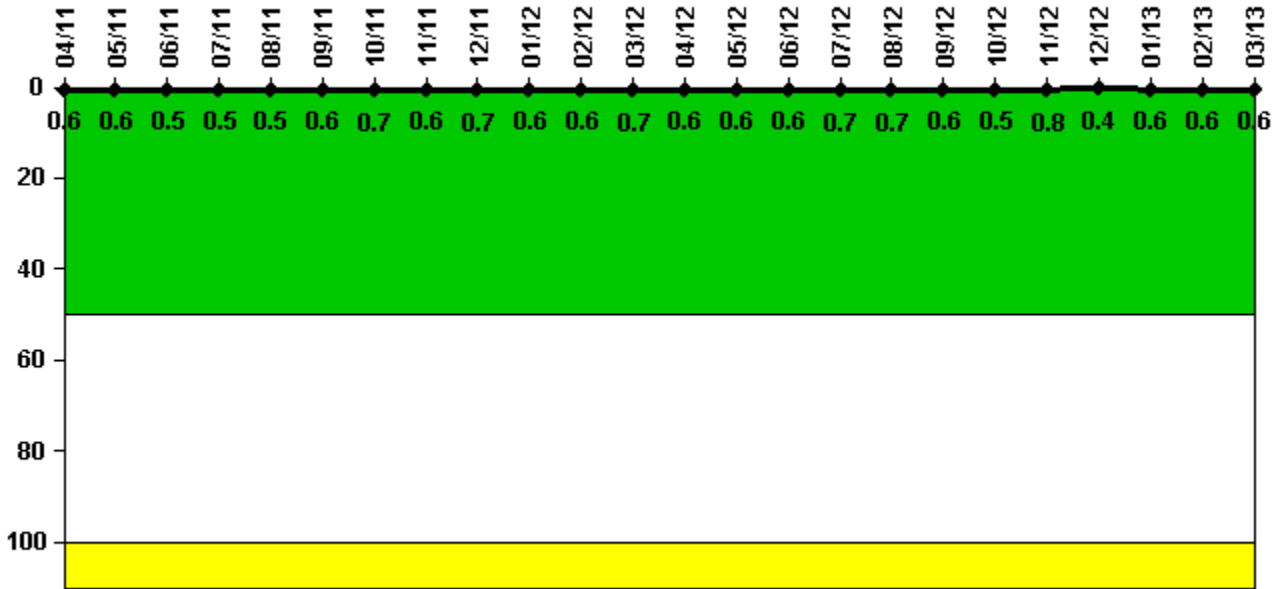
#### Notes

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	0.000063	0.000058	0.000094	0.000057	0.000073	0.000065	0.000073	0.000090	0.000104	0.000095	0.000093	0.000099
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	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum activity	0.000102	0.000093	0.000135	0.000115	0.000109	0.000168	0.000030	0.000068	0.000028	0.000030	0.000021	0.000021
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

Licensee Comments:

12/12: The October 2012 value for Maximum I-131 was corrected to only include steady state power level sampling.

### Reactor Coolant System Leakage



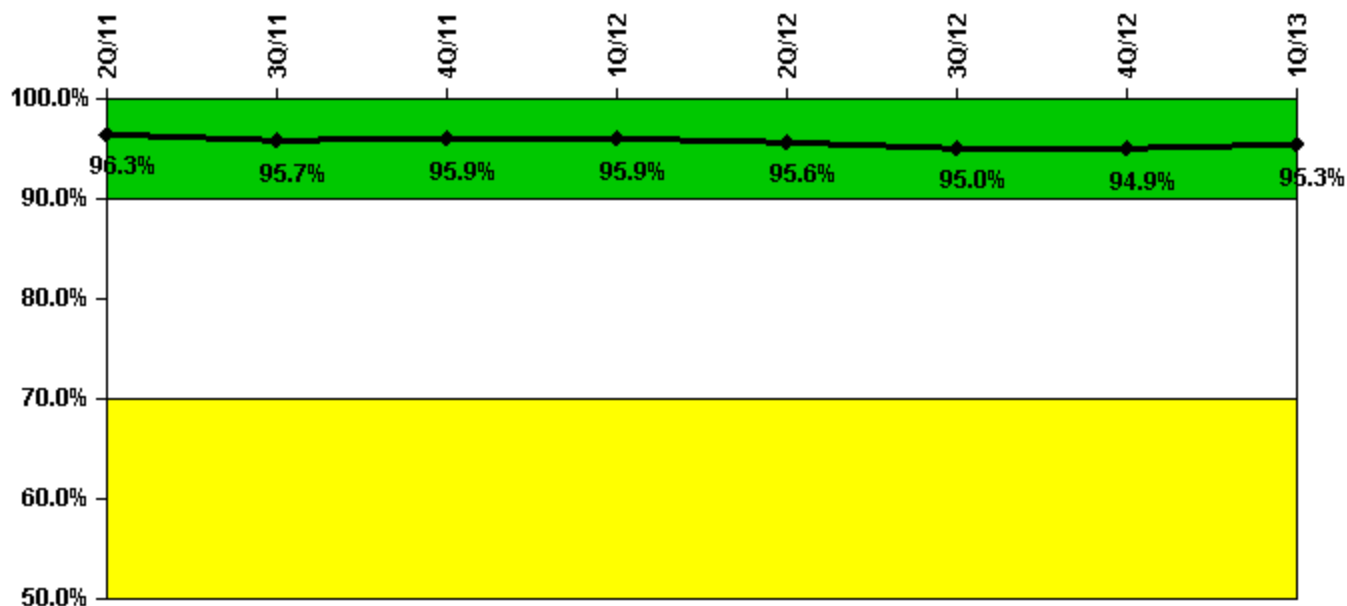
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

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	0.057	0.057	0.050	0.048	0.049	0.060	0.065	0.059	0.068	0.062	0.063	0.070
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
<b>Indicator value</b>	<b>0.6</b>	<b>0.6</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.6</b>	<b>0.7</b>	<b>0.6</b>	<b>0.7</b>	<b>0.6</b>	<b>0.6</b>	<b>0.7</b>
Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	0.057	0.064	0.062	0.069	0.069	0.055	0.054	0.076	0.040	0.056	0.061	0.056
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
<b>Indicator value</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.7</b>	<b>0.7</b>	<b>0.6</b>	<b>0.5</b>	<b>0.8</b>	<b>0.4</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>

Licensee Comments: none

### Drill/Exercise Performance



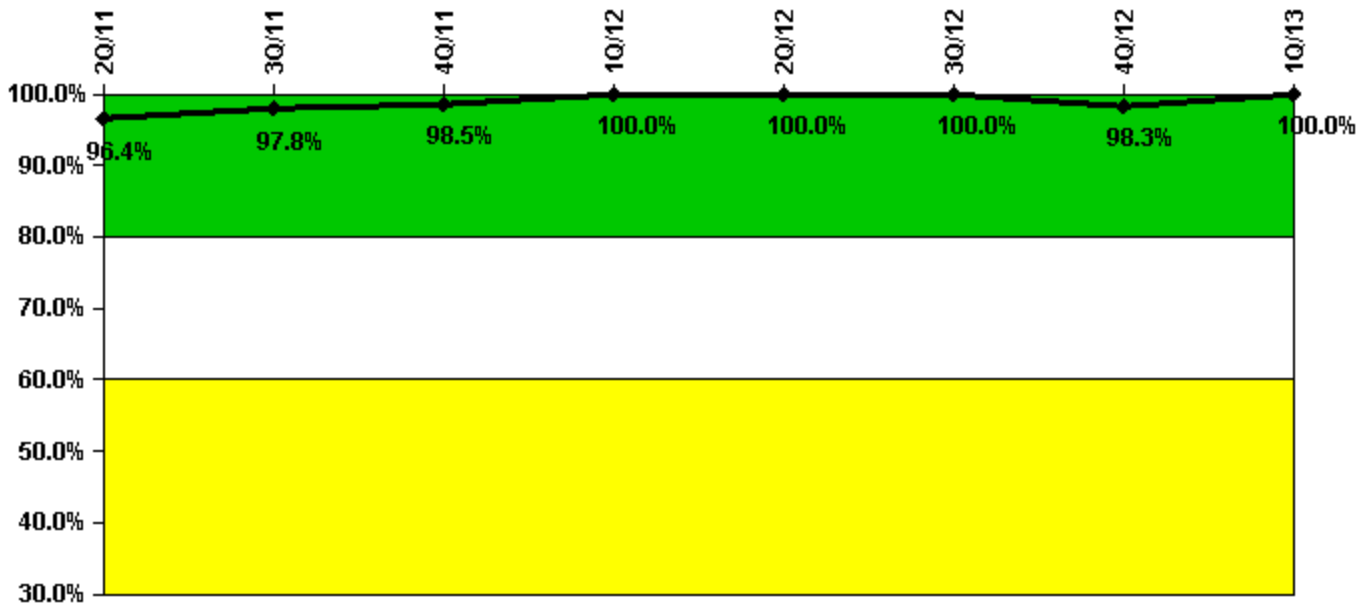
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	66.0	38.0	25.0	55.0	50.0	62.0	27.0	40.0
Total opportunities	70.0	41.0	26.0	56.0	53.0	66.0	29.0	40.0
Indicator value	96.3%	95.7%	95.9%	95.9%	95.6%	95.0%	94.9%	95.3%

Licensee Comments: none

### ERO Drill Participation



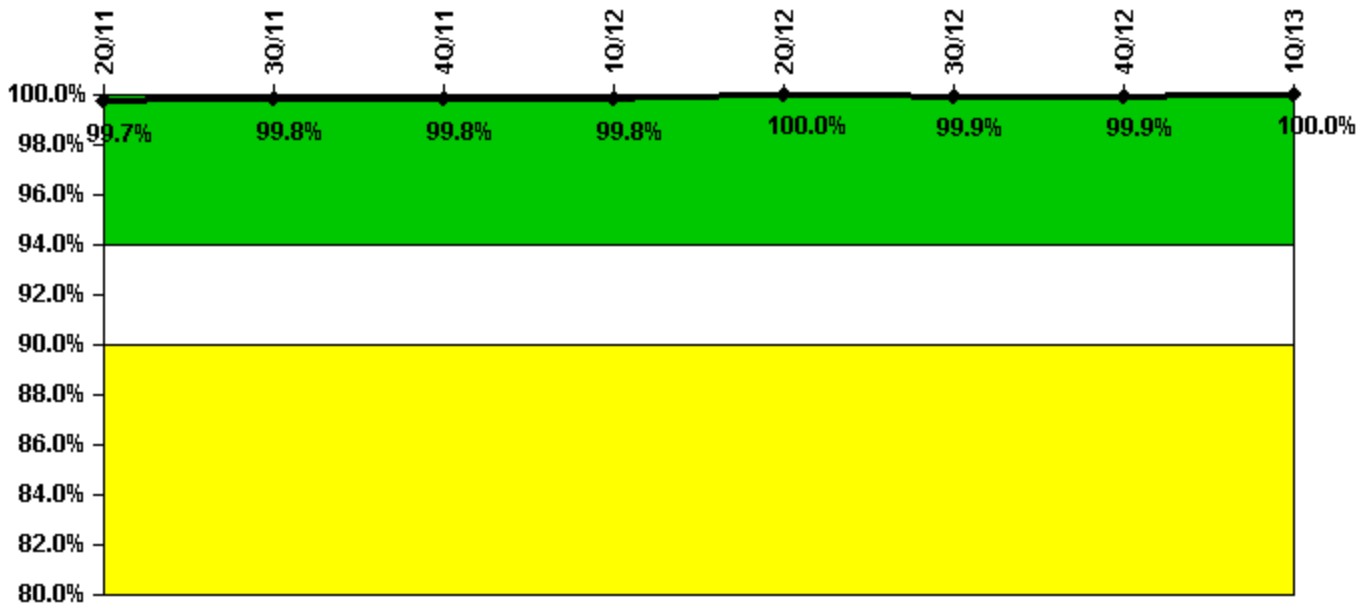
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	133.0	132.0	132.0	130.0	123.0	121.0	116.0	116.0
Total Key personnel	138.0	135.0	134.0	130.0	123.0	121.0	118.0	116.0
Indicator value	96.4%	97.8%	98.5%	100.0%	100.0%	100.0%	98.3%	100.0%

Licensee Comments: none

### Alert & Notification System



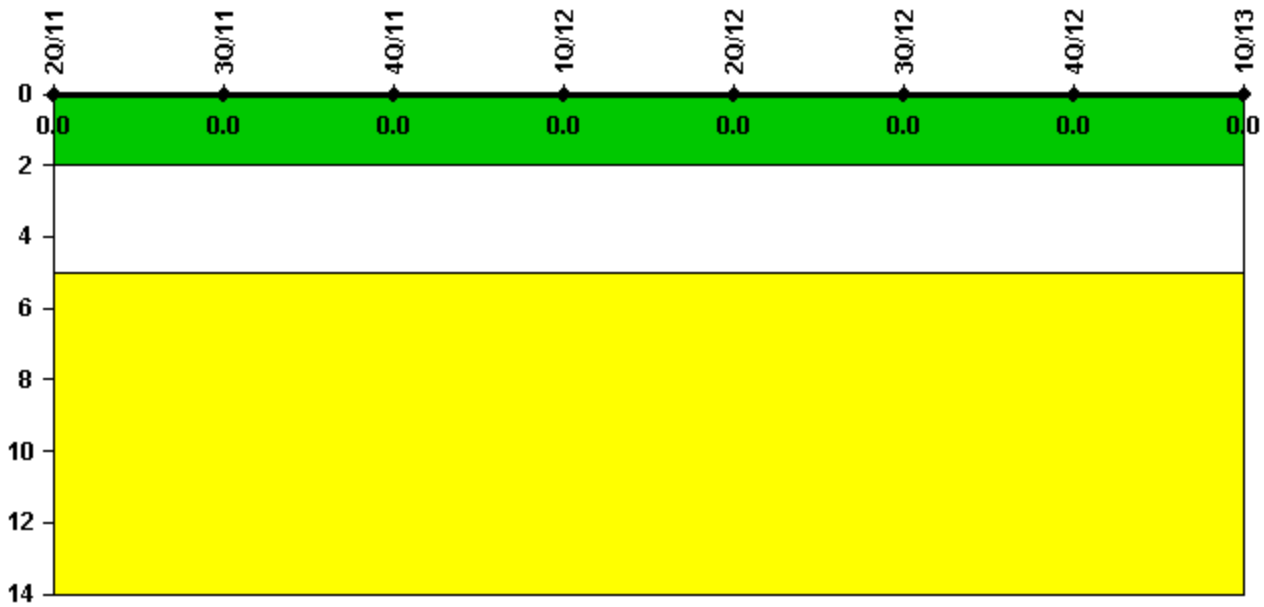
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	608	611	611	610	564	610	658	564
Total sirens-tests	611	611	611	611	564	611	658	564
Indicator value	99.7%	99.8%	99.8%	99.8%	100.0%	99.9%	99.9%	100.0%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



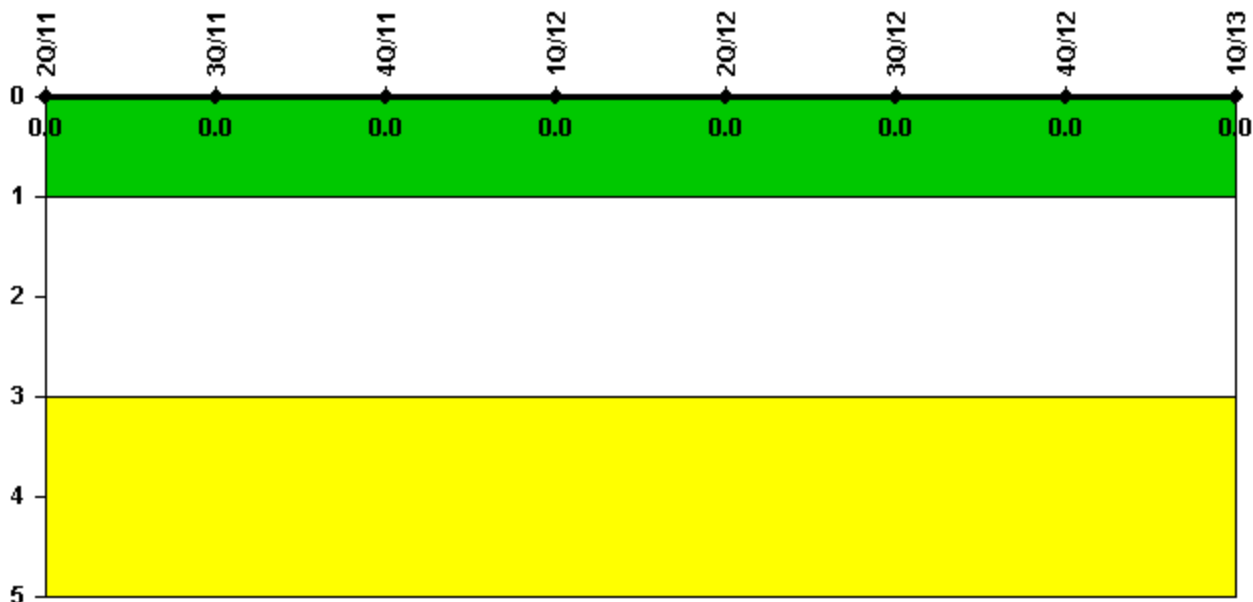
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
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	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
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: April 23, 2013*