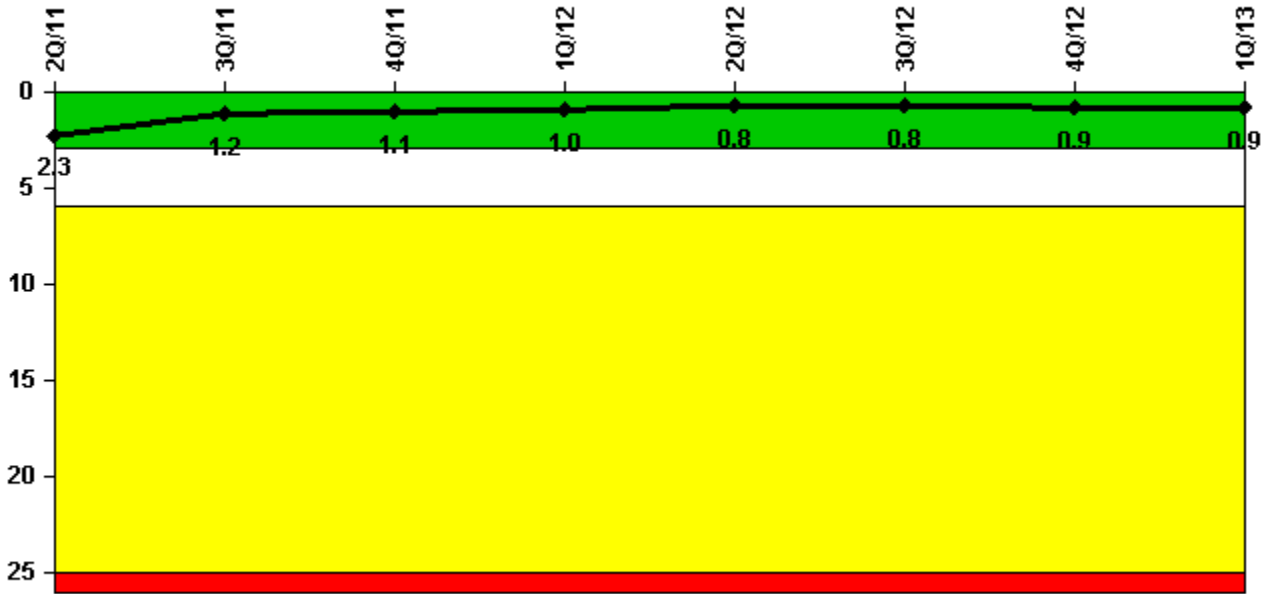


## Point Beach 2

### 1Q/2013 Performance Indicators

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



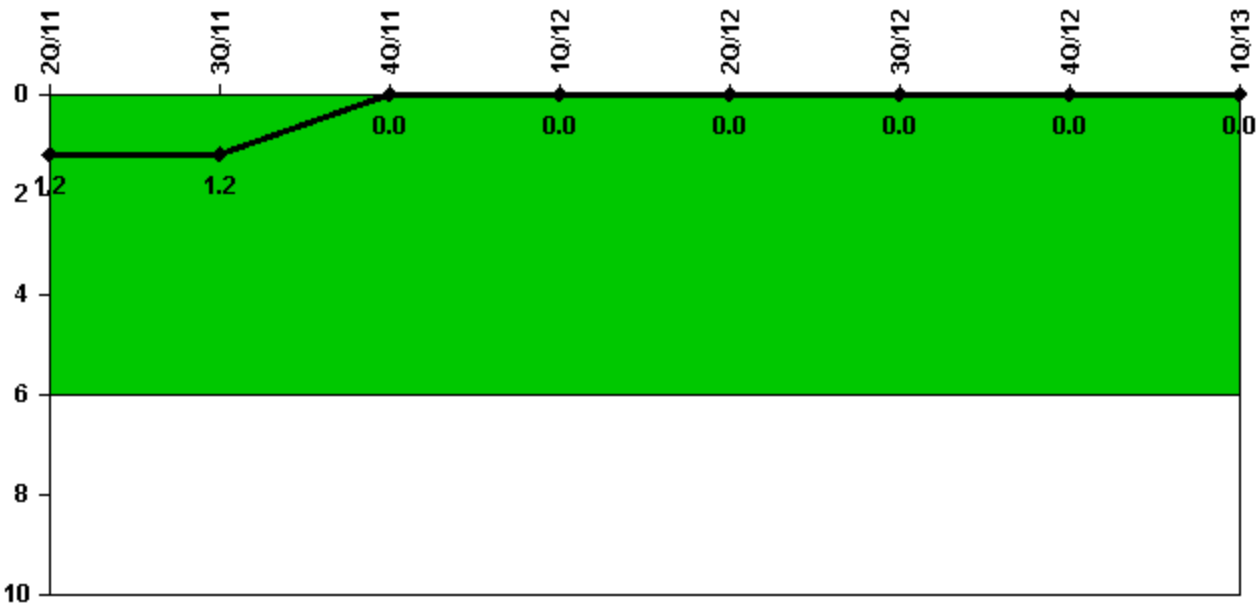
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### 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	0	0	0	1.0	0	0	0
Critical hours	384.9	2208.0	2209.0	2183.0	2108.8	2162.0	1516.5	2159.0
<b>Indicator value</b>	<b>2.3</b>	<b>1.2</b>	<b>1.1</b>	<b>1.0</b>	<b>0.8</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



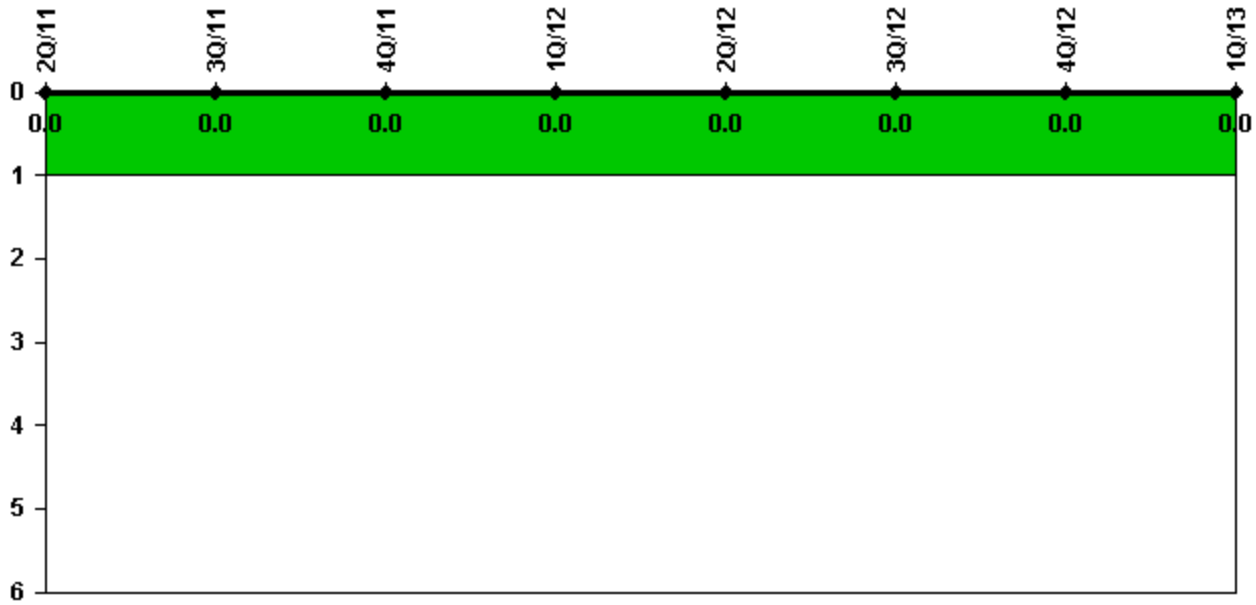
Thresholds: White > 6.0

#### 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	384.9	2208.0	2209.0	2183.0	2108.8	2162.0	1516.5	2159.0
<b>Indicator value</b>	<b>1.2</b>	<b>1.2</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



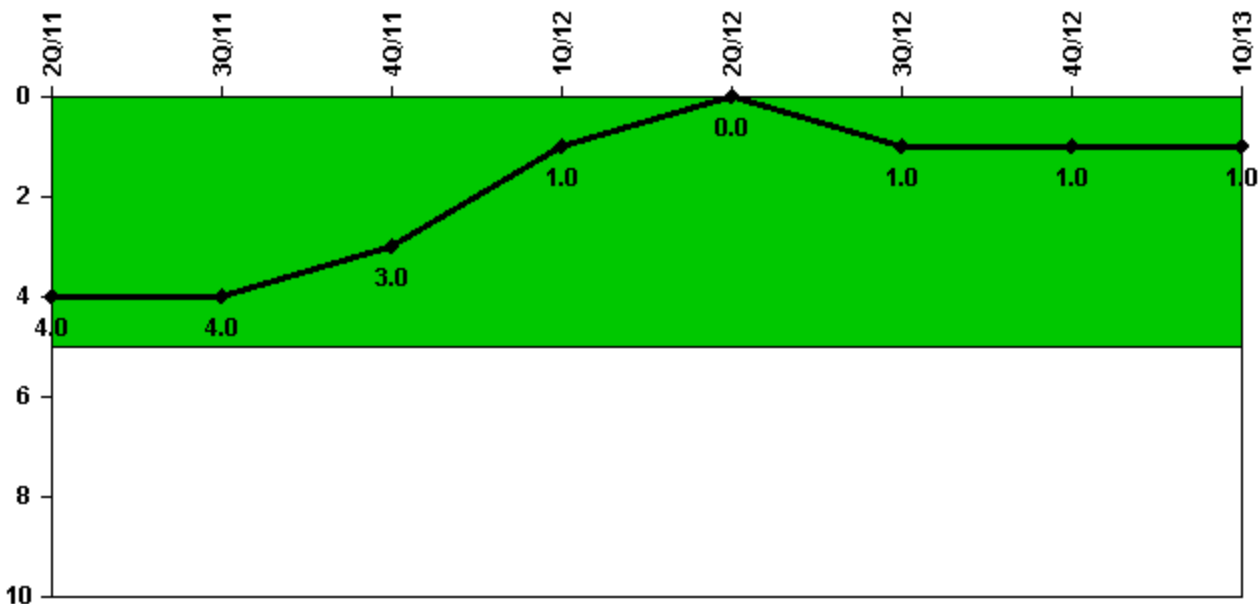
Thresholds: White > 1.0

#### 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	1	0	0	0	0	1	0	0
<b>Indicator value</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>

Licensee Comments:

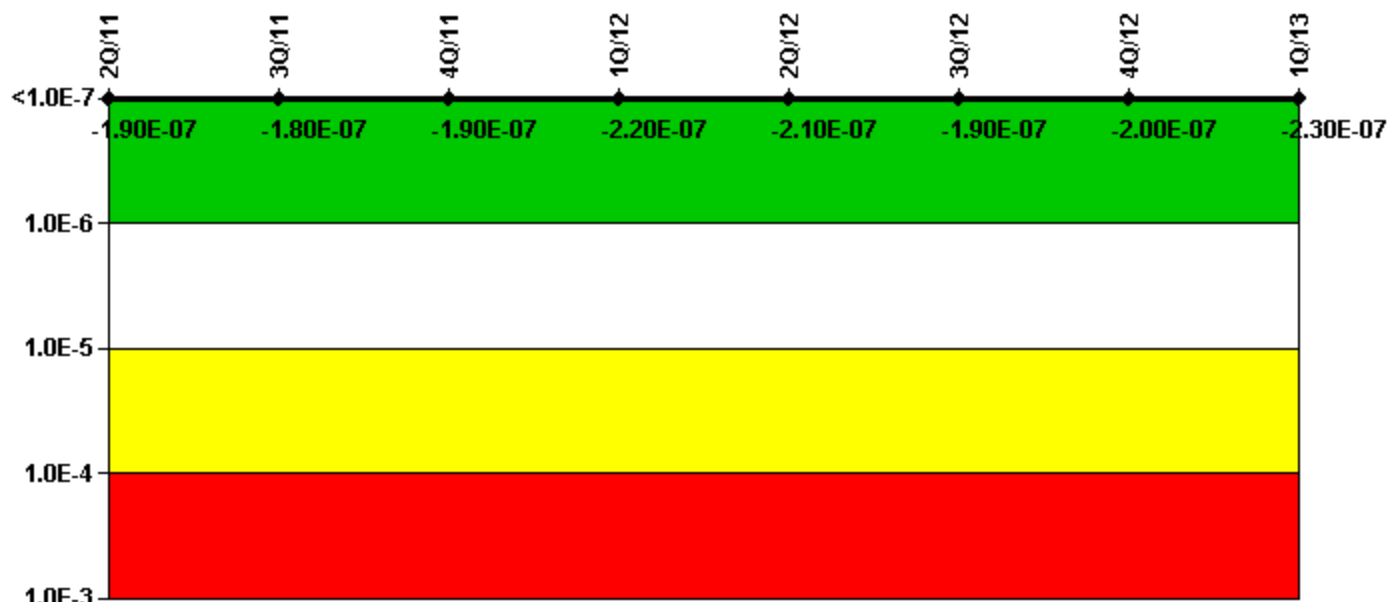
3Q/12: LER 266/2012-003 is for both units but was a SSFF only for Unit 2. Submitted August 28, 2012.

1Q/12: PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

4Q/11: There were no LERs submitted in 4Q11.

2Q/11: LER 05000301 2011-001-00, Both Trains of SI Inoperable Requiring LCO 3.0.3 Entry

### 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)	8.61E-08	1.12E-07	1.04E-07	6.79E-08	8.00E-08	9.30E-08	8.67E-08	5.28E-08
URI ( $\Delta$ CDF)	-2.76E-07	-2.89E-07	-2.90E-07	-2.89E-07	-2.88E-07	-2.86E-07	-2.85E-07	-2.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-07	-1.80E-07	-1.90E-07	-2.20E-07	-2.10E-07	-1.90E-07	-2.00E-07	-2.30E-07

#### Licensee Comments:

1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

1Q/12: Oct 11 and Nov 11UA revised for cascaded unavailability. (AR01754772) PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

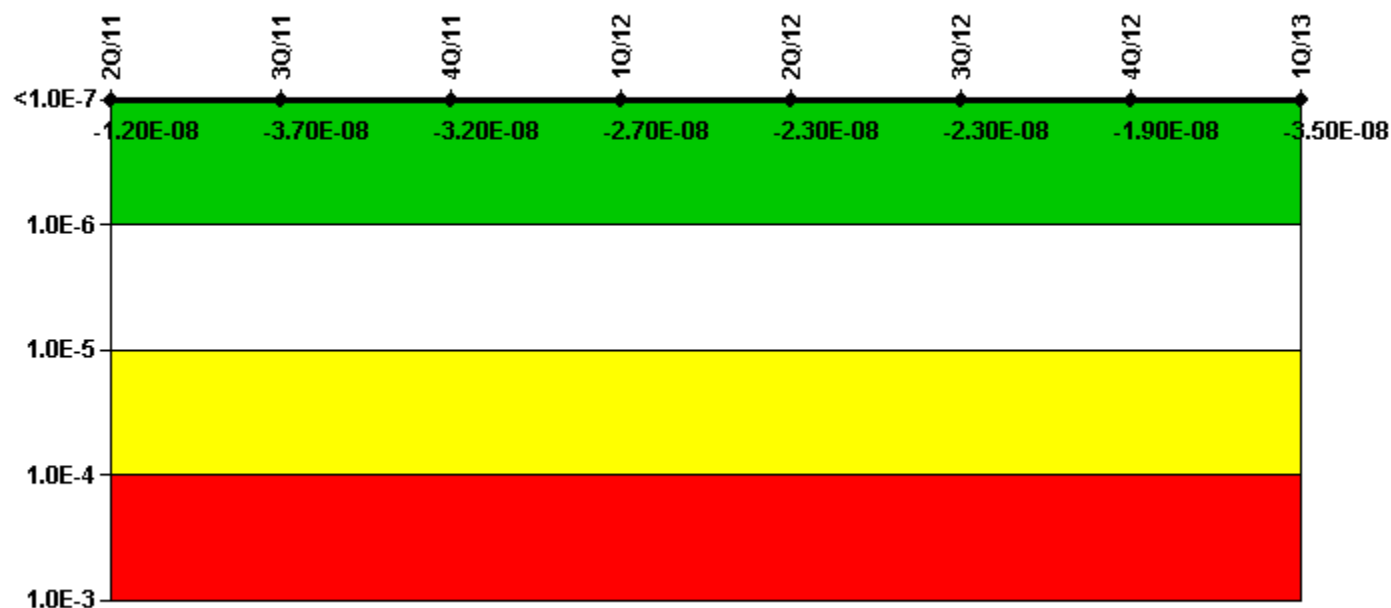
4Q/11: MSPI Basis Document updated for account for change in first hour of run time per FAQ 480.

4Q/11: MSPI Basis Document updated for account for change in first hour of run time per FAQ 480. PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

3Q/11: The new motor driven Auxiliary Feedwater pumps were placed in service on June 3, 2011. This change and power uprate modifications on Unit 2 are reflected in PRA model 4.03 implemented June 3, 2011.

2Q/11: Pending failure for CR01614345 diesel starting air check valve stuck open was determined to not be a failure.

### 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)	2.21E-09	8.76E-09	1.39E-08	1.80E-08	2.13E-08	2.21E-08	2.56E-08	1.01E-08
URI ( $\Delta$ CDF)	-1.42E-08	-4.56E-08	-4.56E-08	-4.47E-08	-4.47E-08	-4.47E-08	-4.47E-08	-4.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-08	-3.70E-08	-3.20E-08	-2.70E-08	-2.30E-08	-2.30E-08	-1.90E-08	-3.50E-08

Licensee Comments:

1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

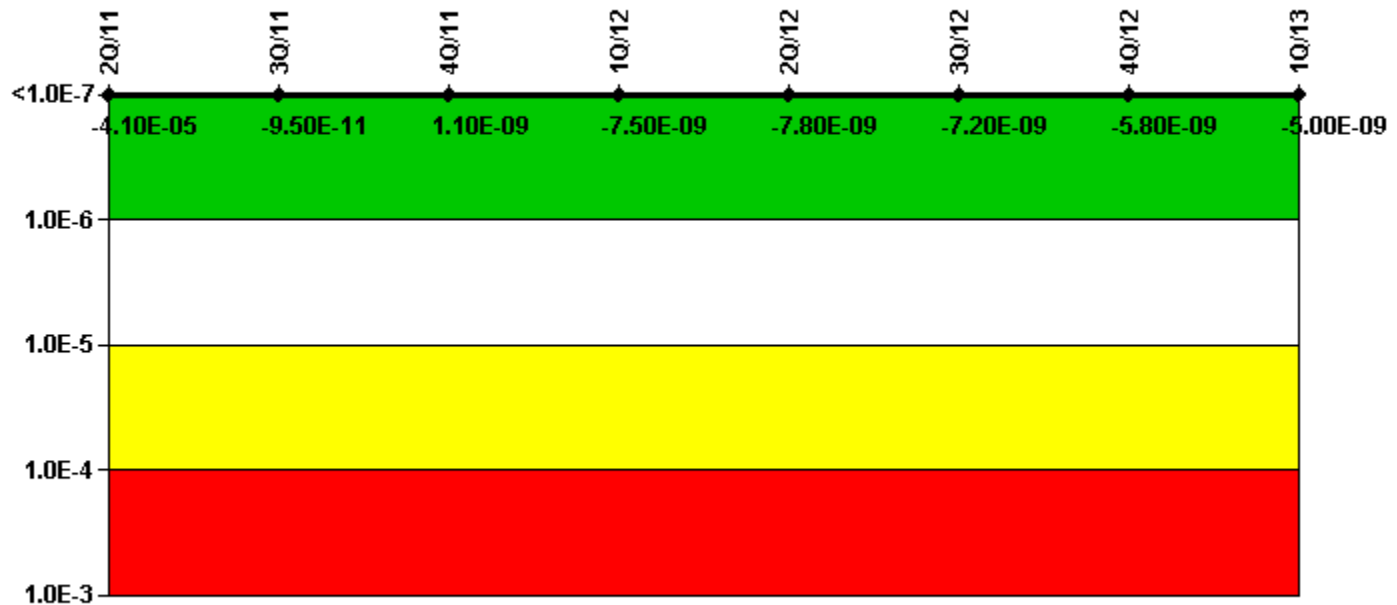
1Q/12: PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

4Q/11: PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power

uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

3Q/11: The new motor driven Auxiliary Feedwater pumps were placed in service on June 3, 2011. This change and power uprate modifications on Unit 2 are reflected in PRA model 4.03 implemented June 3, 2011.

### 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)	-4.01E-05	9.55E-09	1.09E-08	2.53E-09	2.33E-09	2.98E-09	4.48E-09	5.35E-09
URI ( $\Delta$ CDF)	-6.84E-07	-9.64E-09	-9.77E-09	-9.98E-09	-1.01E-08	-1.02E-08	-1.03E-08	-1.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	<b>-4.10E-05</b>	<b>-9.50E-11</b>	<b>1.10E-09</b>	<b>-7.50E-09</b>	<b>-7.80E-09</b>	<b>-7.20E-09</b>	<b>-5.80E-09</b>	<b>-5.00E-09</b>

Licensee Comments:

1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

1Q/12: PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

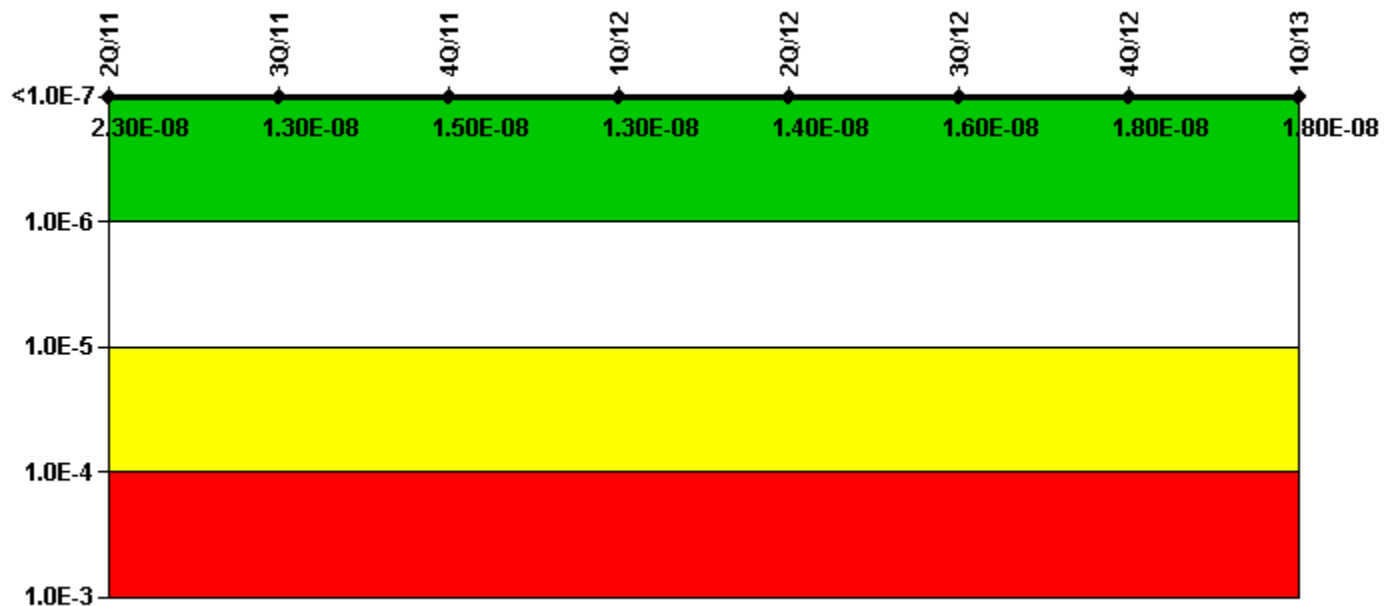
4Q/11: PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

3Q/11: Changed PRA Parameter(s). The new motor driven Auxiliary Feedwater pumps were placed in service on June 3, 2011. This change and power uprate modifications on Unit 2 are reflected in PRA model 4.03 implemented June 3, 2011. Auxiliary feedwater pumps 0P-38A and 0P-38B were replaced in Tech Spec with 1P-53 and 2P-53 which changed the monitored trains for MSPI Heat Removal System. The baseline values for unavailability for the new pumps are calculated as described in FAQ 11-05.

2Q/11: Data reported for this system is characterized as "Insufficient Data to Calculate PI" per FAQ 479. The basis for this is that a modification to change the trains relied on in Tech Specs and therefore used for MSPI reporting was installed during the quarter. CDE is not capable of processing a "data split" within the same quarter and does not allow mid-quarter PRA model changes. An MSPI result for MS08, Heat Removal Systems, reflecting 2Q2011 AF system unavailability and reliability would not be representative of the new system nor provide meaningful results.

2Q/11: Data reported for this system is characterized as "Insufficient Data to Calculate PI" per FAQ 479. The basis for this is that a modification to change the trains relied on in Tech Specs and therefore used for MSPI reporting was installed during the quarter. CDE is not capable of processing a "data split" within the same quarter and does not allow mid-quarter PRA model changes. An MSPI result for MS08, Heat Removal Systems, reflecting 2Q2011 AF system unavailability and reliability would not be representative of the new system nor provide meaningful results.

### 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 (ΔCDF)	5.19E-08	3.53E-08	3.73E-08	3.50E-08	3.67E-08	3.87E-08	4.04E-08	4.08E-08
URI (ΔCDF)	-2.90E-08	-2.24E-08	-2.24E-08	-2.24E-08	-2.24E-08	-2.24E-08	-2.24E-08	-2.24E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.30E-08	1.30E-08	1.50E-08	1.30E-08	1.40E-08	1.60E-08	1.80E-08	1.80E-08

Licensee Comments:

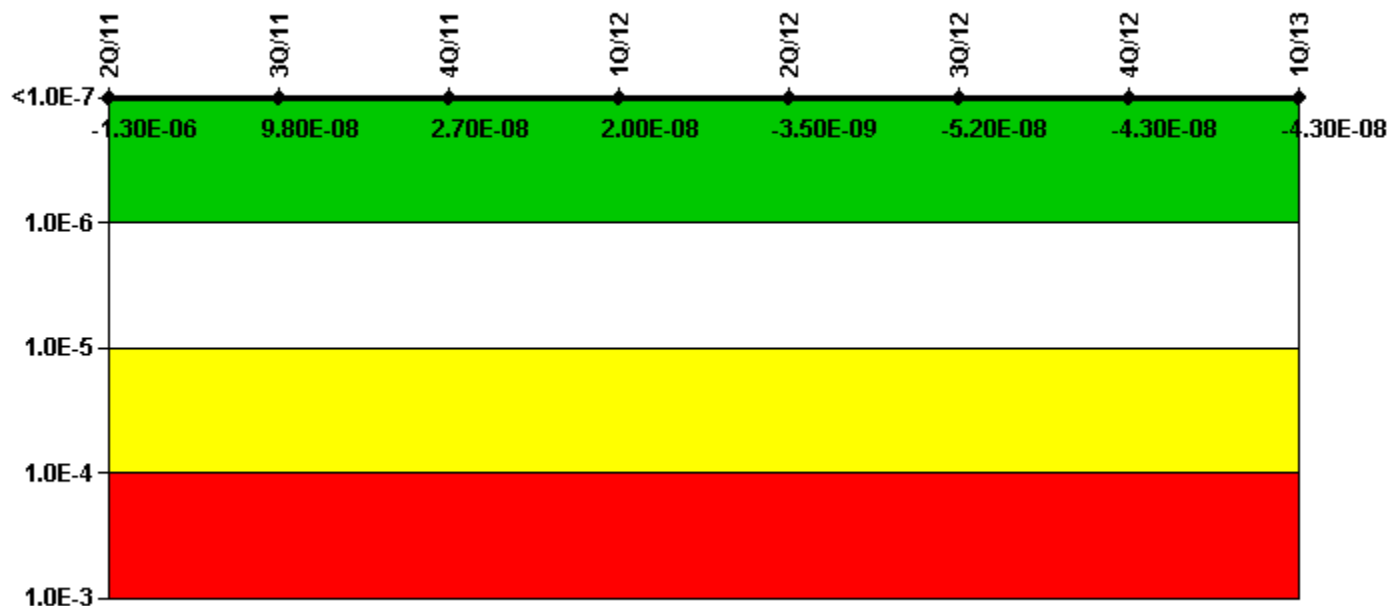
1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

1Q/12: PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

4Q/11: PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

3Q/11: The new motor driven Auxiliary Feedwater pumps were placed in service on June 3, 2011. This change and power uprate modifications on Unit 2 are reflected in PRA model 4.03 implemented June 3, 2011.

### 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 (ΔCDF)	9.33E-07	1.26E-07	5.45E-08	4.19E-09	-1.94E-08	-2.29E-08	-1.38E-08	-1.40E-08
URI (ΔCDF)	-2.25E-06	-2.80E-08	-2.80E-08	1.59E-08	1.59E-08	-2.90E-08	-2.90E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-06	9.80E-08	2.70E-08	2.00E-08	-3.50E-09	-5.20E-08	-4.30E-08	-4.30E-08

Licensee Comments:

1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

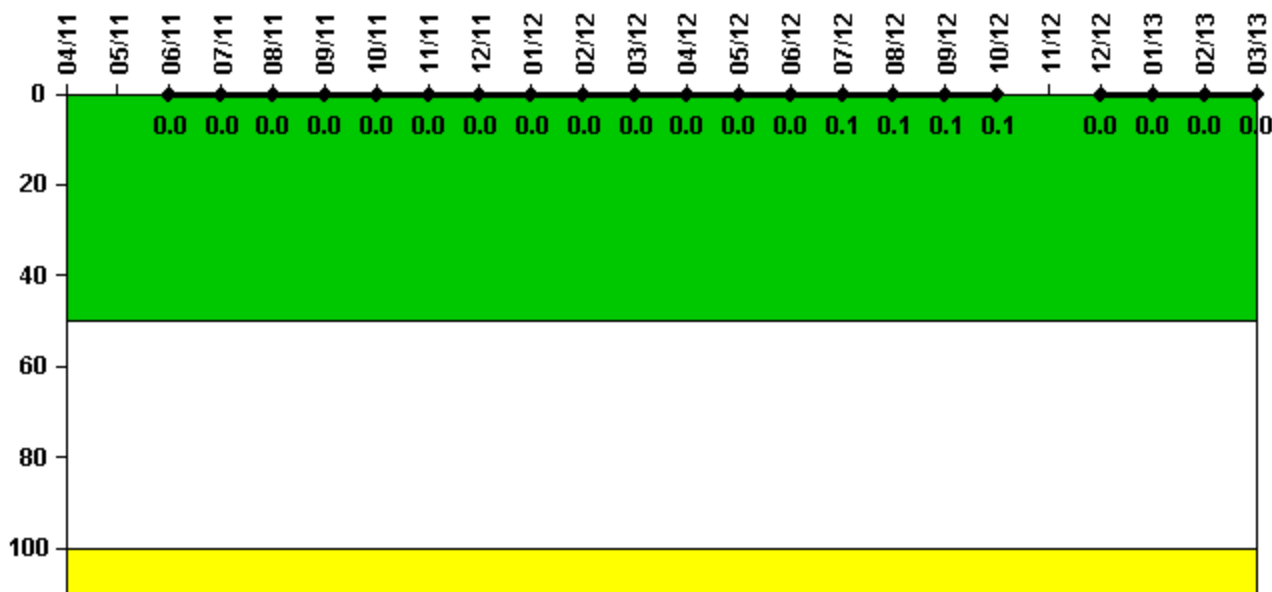
1Q/12: PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

4Q/11: PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

3Q/11: The new motor driven Auxiliary Feedwater pumps were placed in service on June 3, 2011. This change and power uprate modifications on Unit 2 are reflected in PRA model 4.03 implemented June 3, 2011.

2Q/11: Risk Cap Invoked.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

<b>Reactor Coolant System Activity</b>	<b>4/11</b>	<b>5/11</b>	<b>6/11</b>	<b>7/11</b>	<b>8/11</b>	<b>9/11</b>	<b>10/11</b>	<b>11/11</b>	<b>12/11</b>	<b>1/12</b>	<b>2/12</b>	<b>3/12</b>
Maximum activity	N/A	N/A	0.000135	0.000169	0.000167	0.000172	0.000189	0.000188	0.000204	0.000213	0.000214	0.000228
Technical specification limit	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<b>N/A</b>	<b>N/A</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>	<b>0</b>	<b>0</b>

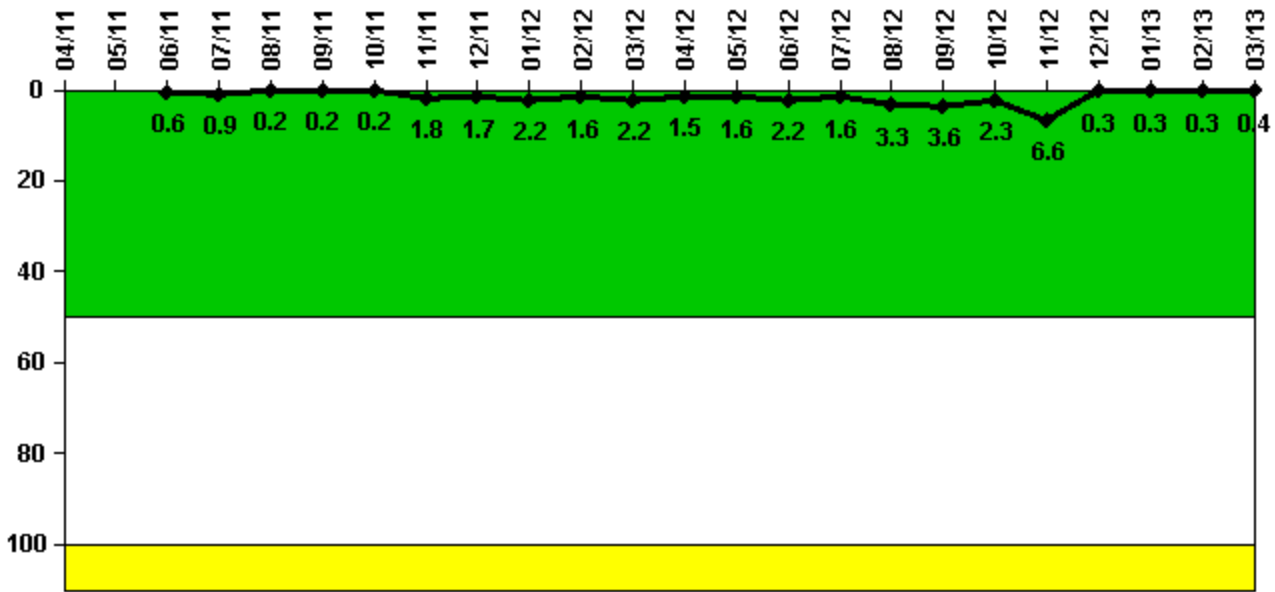
<b>Reactor Coolant System Activity</b>	<b>4/12</b>	<b>5/12</b>	<b>6/12</b>	<b>7/12</b>	<b>8/12</b>	<b>9/12</b>	<b>10/12</b>	<b>11/12</b>	<b>12/12</b>	<b>1/13</b>	<b>2/13</b>	<b>3/13</b>
Maximum activity	0.000223	0.000247	0.000244	0.000287	0.000261	0.000284	0.000278	N/A	0.000139	0.000165	0.000156	0.000155
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>N/A</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Licensee Comments:

6/11: With Alternate Source Term implementation for both units, the TS Limit I-131 values changes from 0.8 uCi/gm to 0.5 uCi/gm starting in the month of June 2011.

6/11: With Alternate Source Term implementation for both units, the TS Limit I-131 values changes from 0.8 uCi/gm to 0.5 uCi/gm starting in the month of June 2011.

### 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	N/A	N/A	0.060	0.090	0.020	0.020	0.020	0.180	0.170	0.215	0.160	0.220
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	0.6	0.9	0.2	0.2	0.2	1.8	1.7	2.2	1.6	2.2

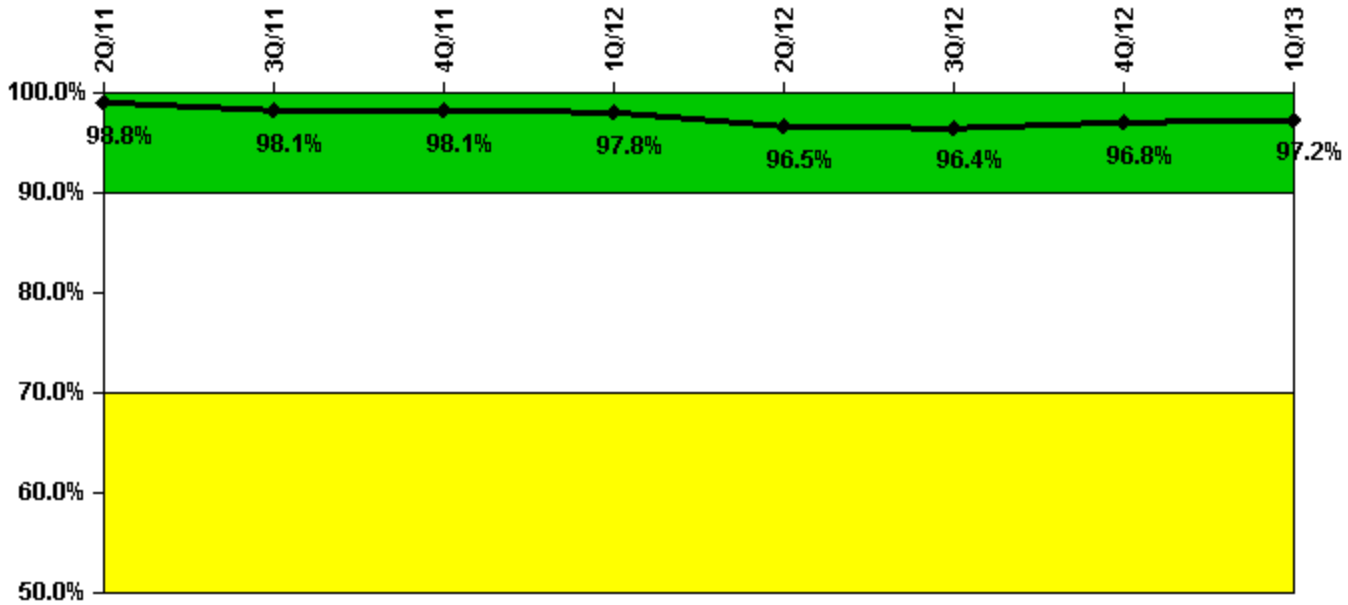
  

Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	0.149	0.160	0.216	0.159	0.334	0.359	0.225	0.662	0.025	0.027	0.031	0.039
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.5	1.6	2.2	1.6	3.3	3.6	2.3	6.6	0.3	0.3	0.3	0.4

Licensee Comments:

6/11: Max RCS leakage changed from 0 to NA on 8/9/12 due to unit being shut down during April and May.

### Drill/Exercise Performance



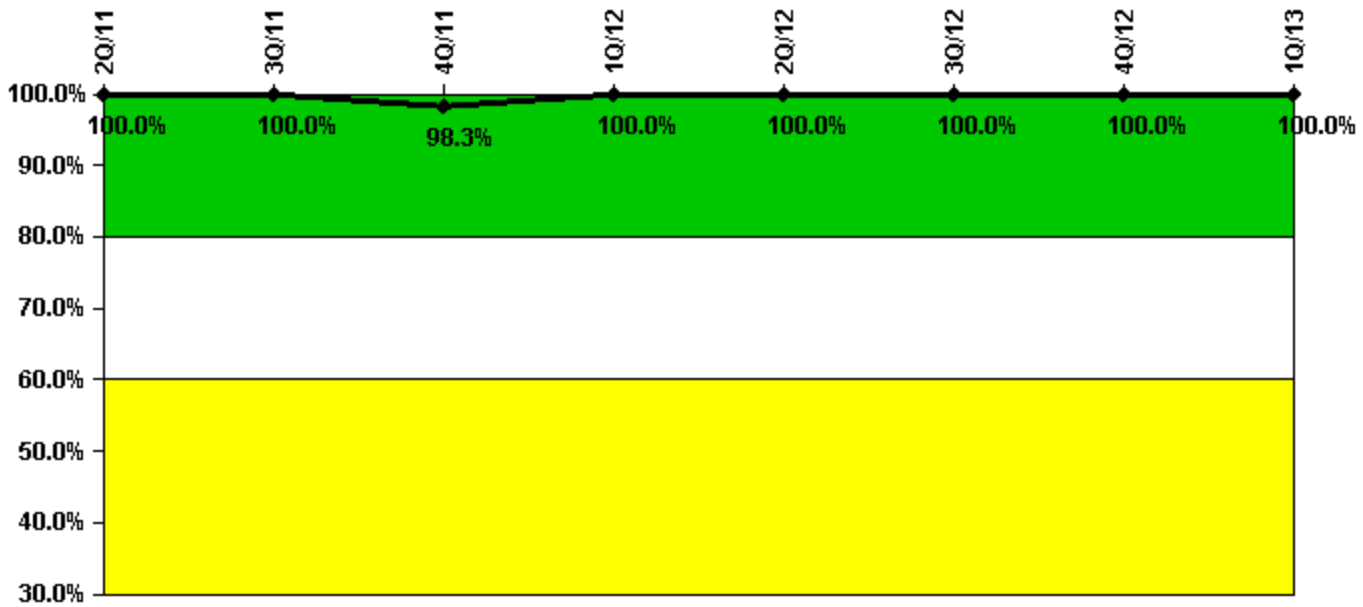
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	10.0	33.0	2.0	54.0	41.0	27.0	2.0	38.0
Total opportunities	11.0	34.0	2.0	55.0	44.0	27.0	2.0	38.0
Indicator value	98.8%	98.1%	98.1%	97.8%	96.5%	96.4%	96.8%	97.2%

Licensee Comments: none

### ERO Drill Participation



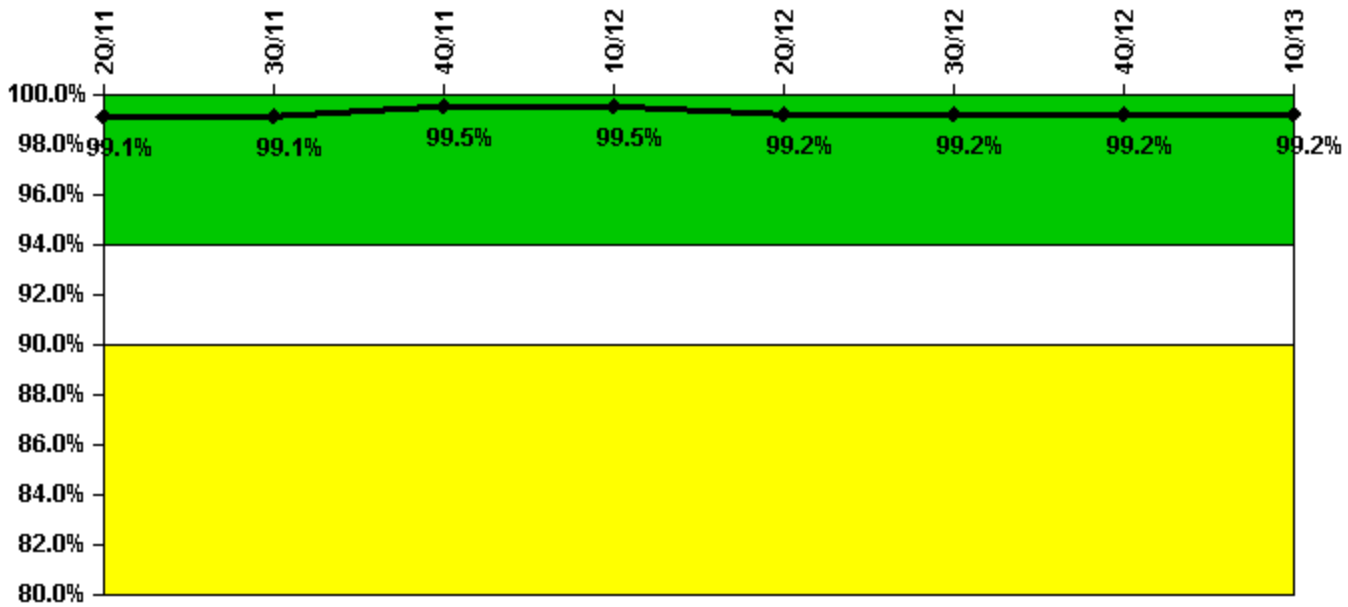
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	57.0	62.0	59.0	63.0	63.0	61.0	59.0	64.0
Total Key personnel	57.0	62.0	60.0	63.0	63.0	61.0	59.0	64.0
Indicator value	100.0%	100.0%	98.3%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



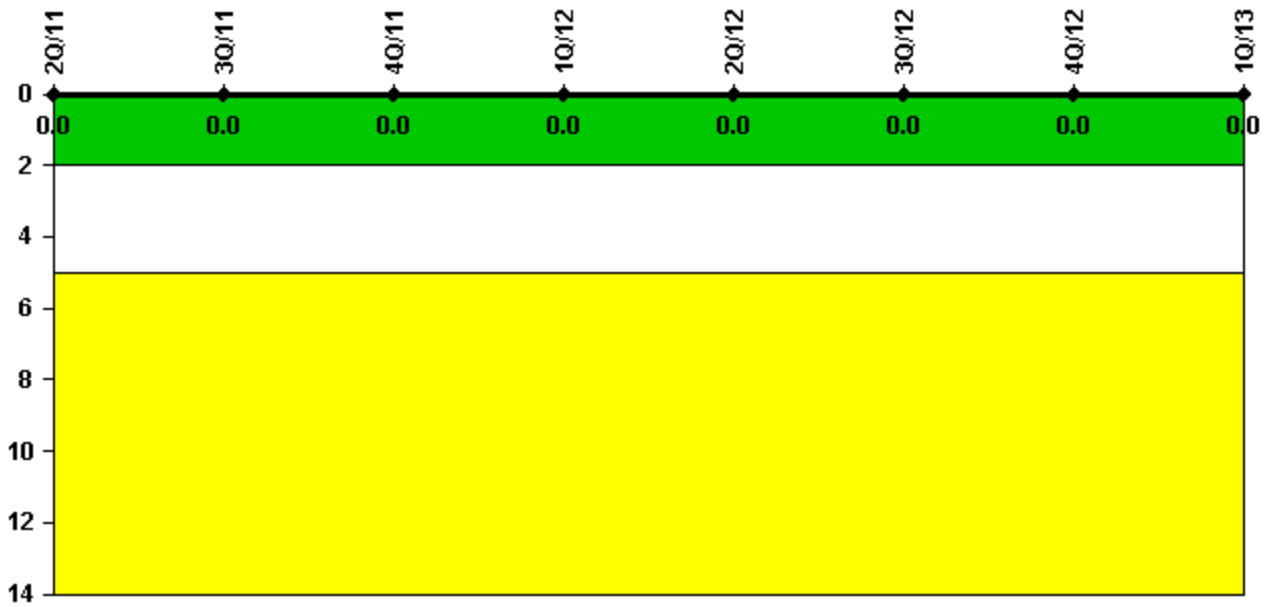
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	83	98	98	97	96	98	98	97
Total sirens-tests	84	98	98	98	98	98	98	98
Indicator value	99.1%	99.1%	99.5%	99.5%	99.2%	99.2%	99.2%	99.2%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

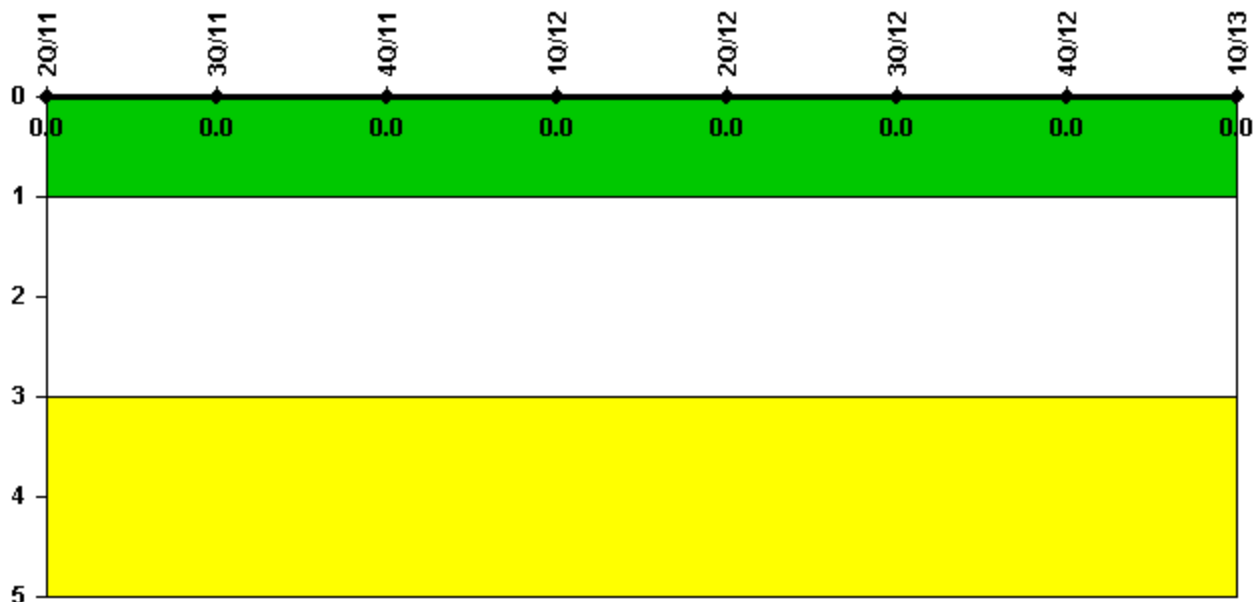
#### Notes

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
<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.

 [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: April 23, 2013*