

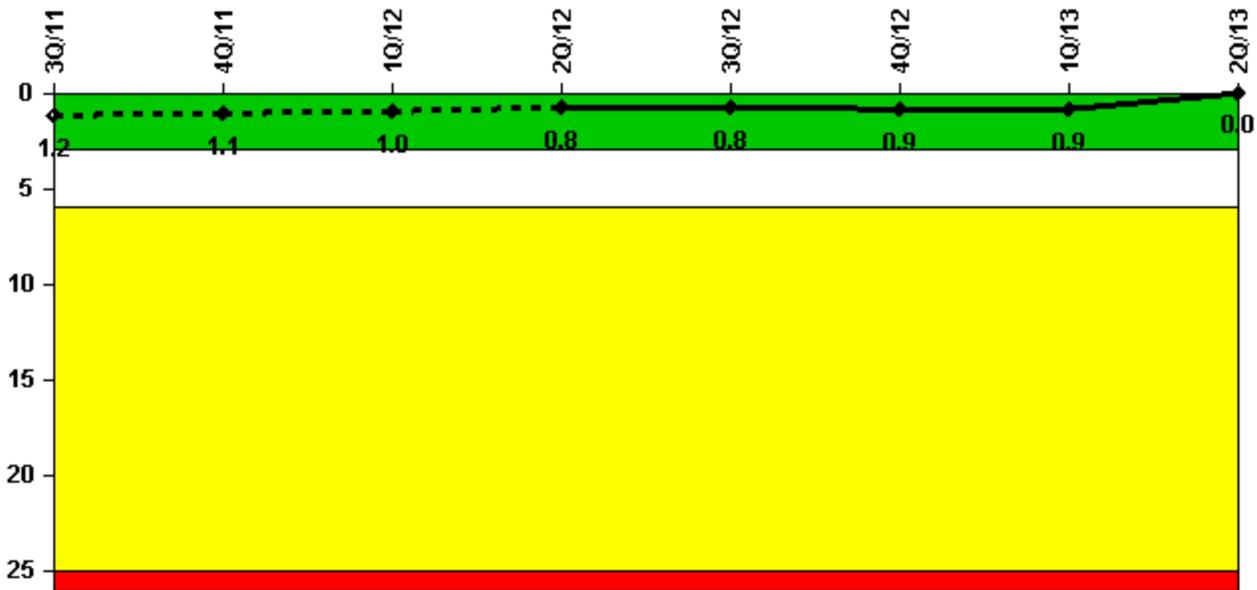
## Point Beach 2

### 2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



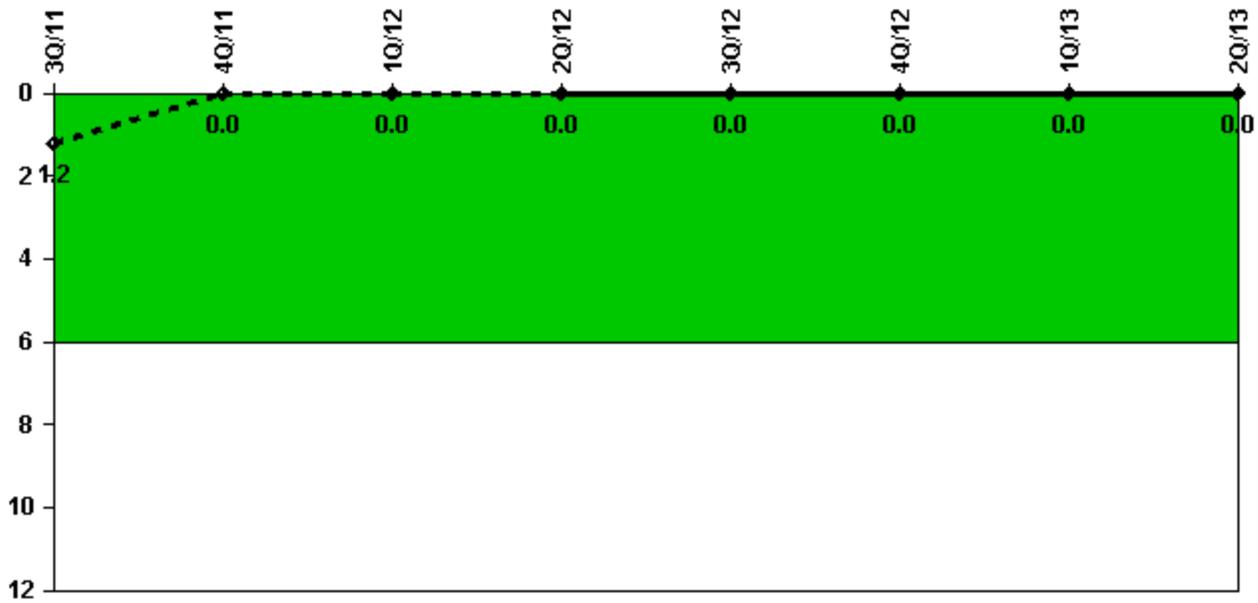
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2108.8	2162.0	1516.5	2159.0	2184.0
Indicator value	<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>	<b>0</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



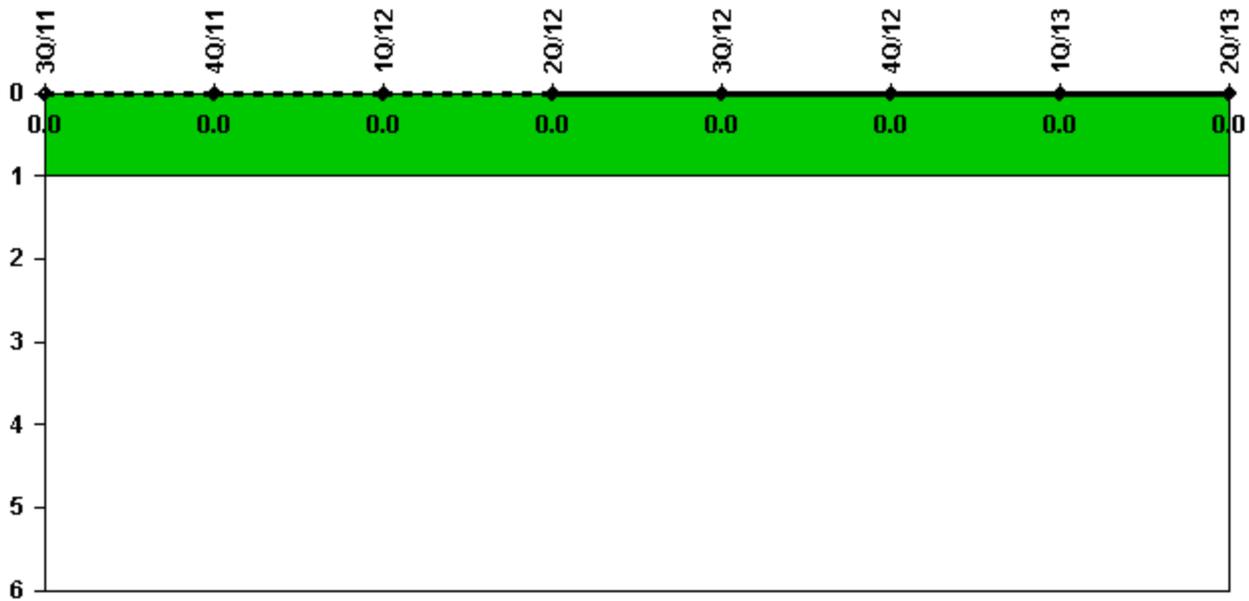
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2108.8	2162.0	1516.5	2159.0	2184.0
<b>Indicator value</b>	<b>1.2</b>	<b>0</b>						

Licensee Comments: none

### Unplanned Scrams with Complications



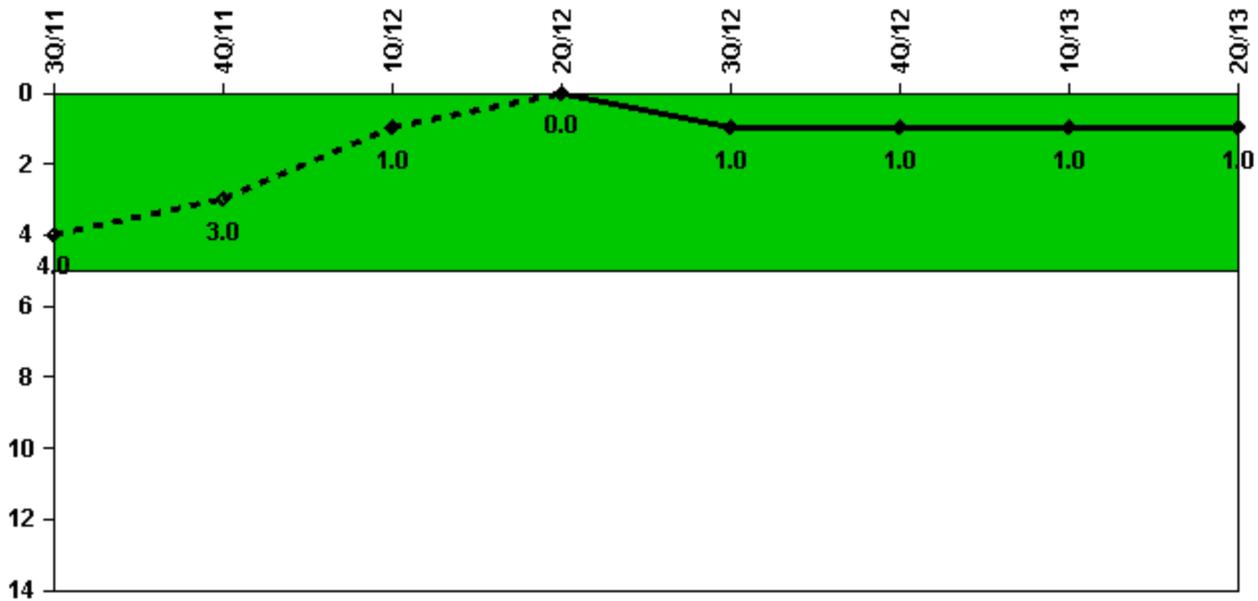
Thresholds: White > 1.0

#### Notes

Unplanned Scrams with Complications	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

#### Notes

Safety System Functional Failures (PWR)	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Safety System Functional Failures	0	0	0	0	1	0	0	0
<b>Indicator value</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

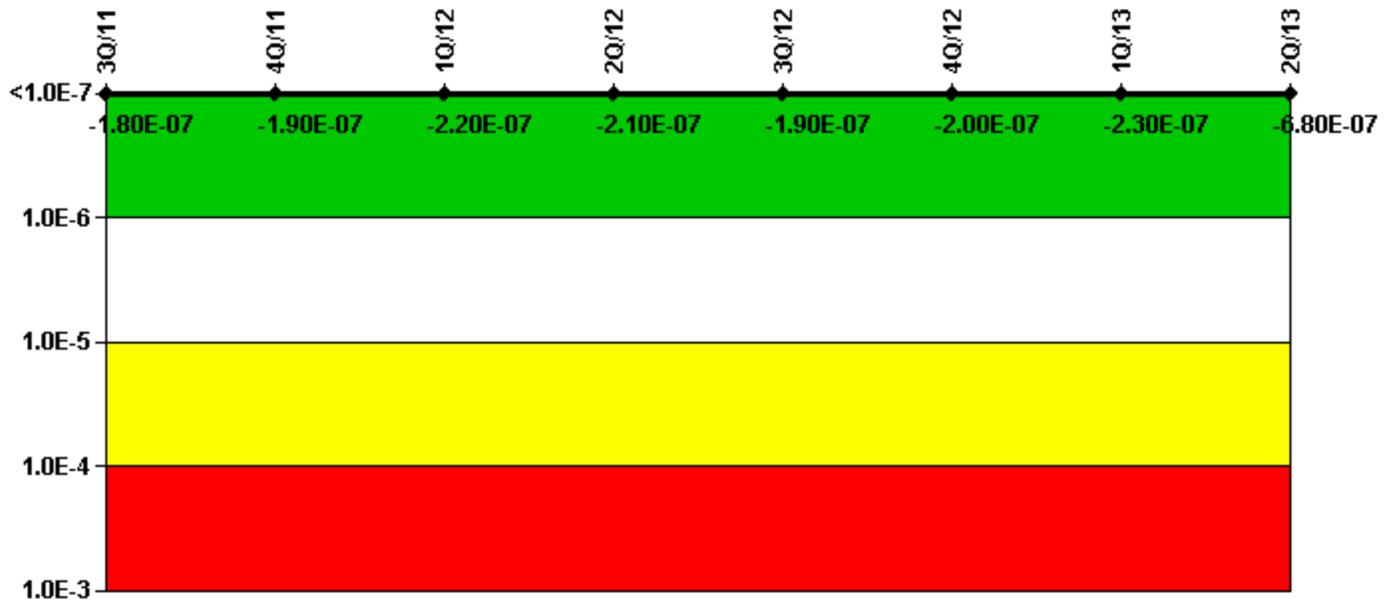
Licensee Comments:

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.

### 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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	1.12E-07	1.04E-07	6.79E-08	8.00E-08	9.30E-08	8.67E-08	5.28E-08	5.89E-08
URI (ΔCDF)	-2.89E-07	-2.90E-07	-2.89E-07	-2.88E-07	-2.86E-07	-2.85E-07	-2.83E-07	-7.44E-07
PLE	NO							
Indicator value	-1.80E-07	-1.90E-07	-2.20E-07	-2.10E-07	-1.90E-07	-2.00E-07	-2.30E-07	-6.80E-07

#### Licensee Comments:

2Q/13: Changed PRA Parameter(s). MSPI Basis Document has been updated to incorporate PRA Model 5.01 which was implemented March 1, 2013. This version of the PRA model incorporates a new data analysis using plant data from 2003-2008.

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

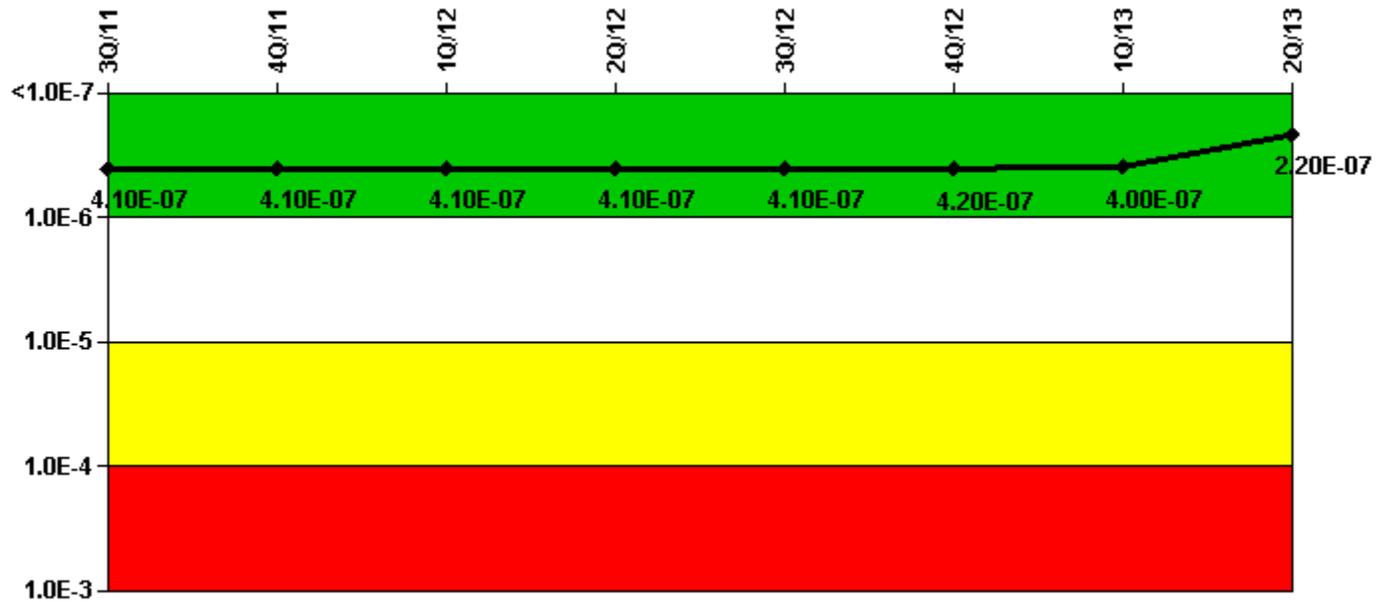
1Q/12: Oct 11 and Nov 11UA revised for cascaded unavailability. (AR01754772) PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

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.

### 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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	8.76E-09	1.39E-08	1.80E-08	2.13E-08	2.21E-08	2.56E-08	1.01E-08	-2.94E-09
URI ( $\Delta$ CDF)	3.98E-07	3.98E-07	3.90E-07	3.90E-07	3.90E-07	3.90E-07	3.90E-07	2.20E-07
PLE	NO							
Indicator value	4.10E-07	4.10E-07	4.10E-07	4.10E-07	4.10E-07	4.20E-07	4.00E-07	2.20E-07

### Licensee Comments:

2Q/13: Changed PRA Parameter(s). Failure 247779 for 2P-15B oiler being empty had erroneously been changed to not a failure. This has been corrected (AR01883159). MSPI Basis Document has been updated to incorporate PRA Model 5.01 which was implemented March 1, 2013. This version of the PRA model incorporates a new data analysis using plant data from 2003-2008.

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

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.

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.

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.

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

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<b>Mitigating Systems Performance Index, Heat Removal System</b>	<b>3Q/11</b>	<b>4Q/11</b>	<b>1Q/12</b>	<b>2Q/12</b>	<b>3Q/12</b>	<b>4Q/12</b>	<b>1Q/13</b>	<b>2Q/13</b>
UAI ( $\Delta$ CDF)	9.55E-09	1.09E-08	2.53E-09	2.33E-09	2.98E-09	4.48E-09	5.35E-09	-9.87E-09
URI ( $\Delta$ CDF)	-9.64E-09	-9.77E-09	-9.98E-09	-1.01E-08	-1.02E-08	-1.03E-08	-1.03E-08	-4.42E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</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>	<b>-5.40E-08</b>

## Licensee Comments:

2Q/13: Changed PRA Parameter(s). MSPI Basis Document has been updated to incorporate PRA Model 5.01 which was implemented March 1, 2013. This version of the PRA model incorporates a new data analysis using plant data from 2003-2008.

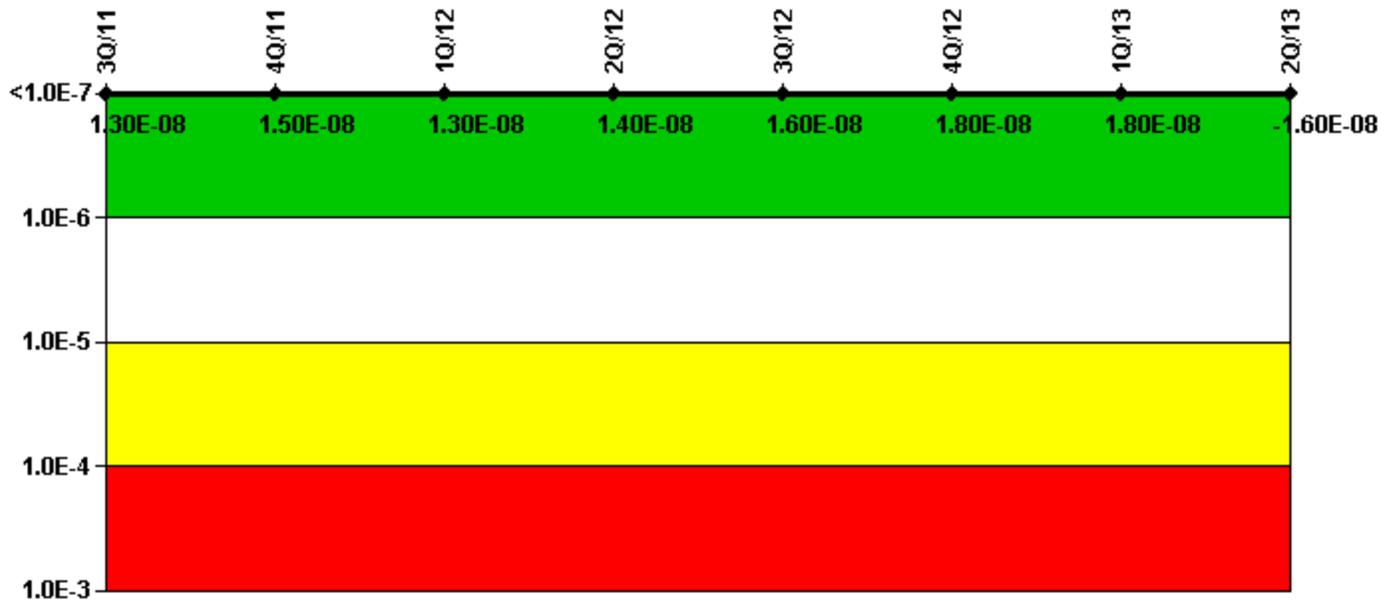
1Q/13: MSPI Basis Document Rev 20 issued, no PRA parameters changed.

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.

### 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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	3.53E-08	3.73E-08	3.50E-08	3.67E-08	3.87E-08	4.04E-08	4.08E-08	1.06E-07
URI (ΔCDF)	-2.24E-08	-1.23E-07						
PLE	NO							
Indicator value	1.30E-08	1.50E-08	1.30E-08	1.40E-08	1.60E-08	1.80E-08	1.80E-08	-1.60E-08

#### Licensee Comments:

2Q/13: Changed PRA Parameter(s). MSPI Basis Document has been updated to incorporate PRA Model 5.01 which was implemented March 1, 2013. This version of the PRA model incorporates a new data analysis using plant data from 2003-2008.

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	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	1.26E-07	5.45E-08	4.19E-09	-1.94E-08	-2.29E-08	-1.38E-08	-1.40E-08	-1.64E-08
URI ( $\Delta$ CDF)	-2.80E-08	-2.80E-08	1.59E-08	1.59E-08	-2.90E-08	-2.90E-08	-2.90E-08	-7.79E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.80E-08	2.70E-08	2.00E-08	-3.50E-09	-5.20E-08	-4.30E-08	-4.30E-08	-2.40E-08

#### Licensee Comments:

2Q/13: Changed PRA Parameter(s). MSPI Basis Document has been updated to incorporate PRA Model 5.01 which was implemented March 1, 2013. This version of the PRA model incorporates a new data analysis using plant data from 2003-2008.

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

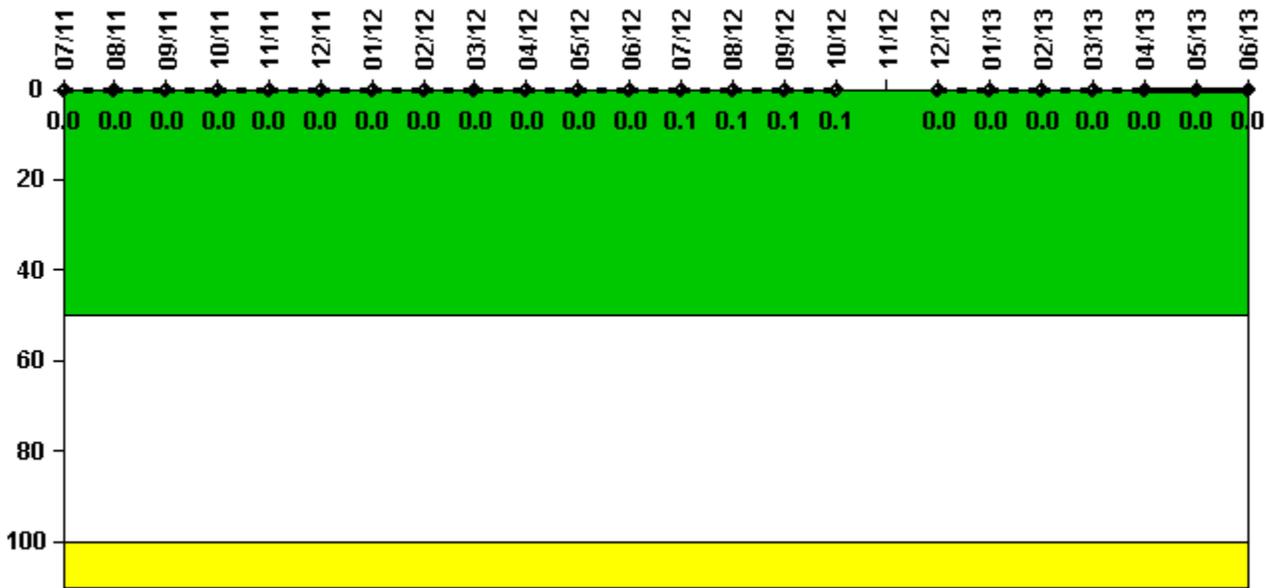
1Q/12: PRA parameters were updated to reflect PRA Model Rev 4.04 which incorporated Unit 2 extended power uprate modifications. Model 4.04 was implemented on Dec 20, 2011 and is being used for 1Q12 reporting.

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.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

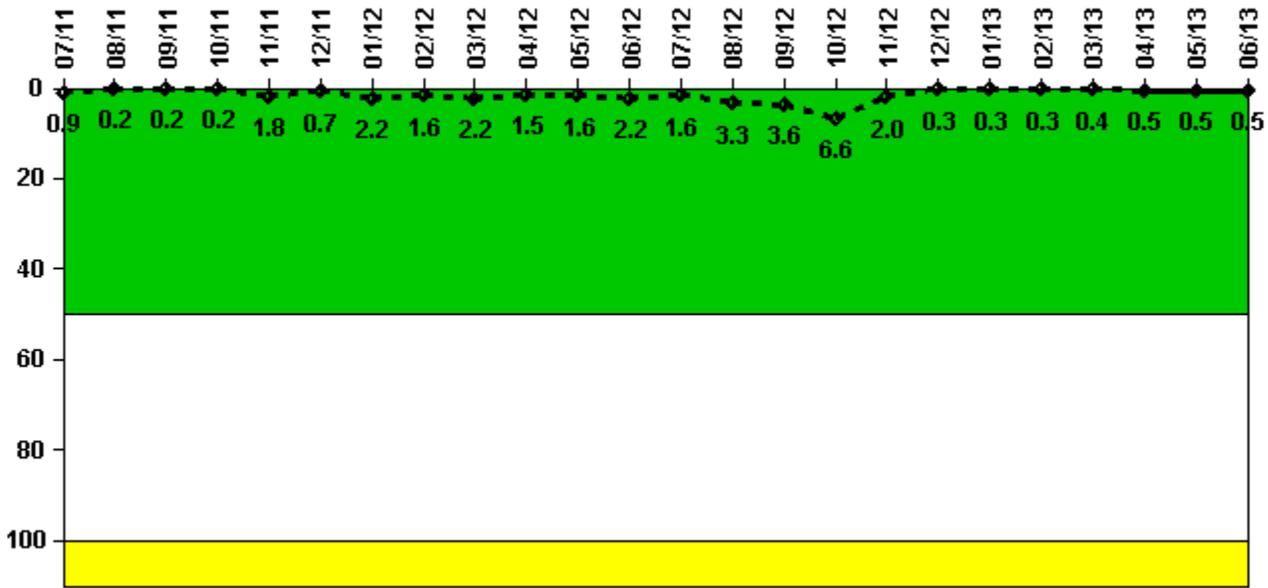
### Notes

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	0.000169	0.000167	0.000172	0.000189	0.000188	0.000204	0.000213	0.000214	0.000228	0.000223	0.000247	0.000244
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
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum activity	0.000287	0.000261	0.000284	0.000278	N/A	0.000139	0.000165	0.000156	0.000155	0.000164	0.000172	0.000185
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

Indicator value	0.1	0.1	0.1	0.1	N/A	0	0	0	0	0	0	0
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Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

### Notes

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	0.090	0.020	0.020	0.020	0.180	0.070	0.215	0.160	0.220	0.149	0.160	0.216
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	0.9	0.2	0.2	0.2	1.8	0.7	2.2	1.6	2.2	1.5	1.6	2.2

Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.159	0.334	0.359	0.662	0.200	0.025	0.027	0.031	0.039	0.049	0.049	0.054
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	1.6	3.3	3.6	6.6	2.0	0.3	0.3	0.3	0.4	0.5	0.5	0.5

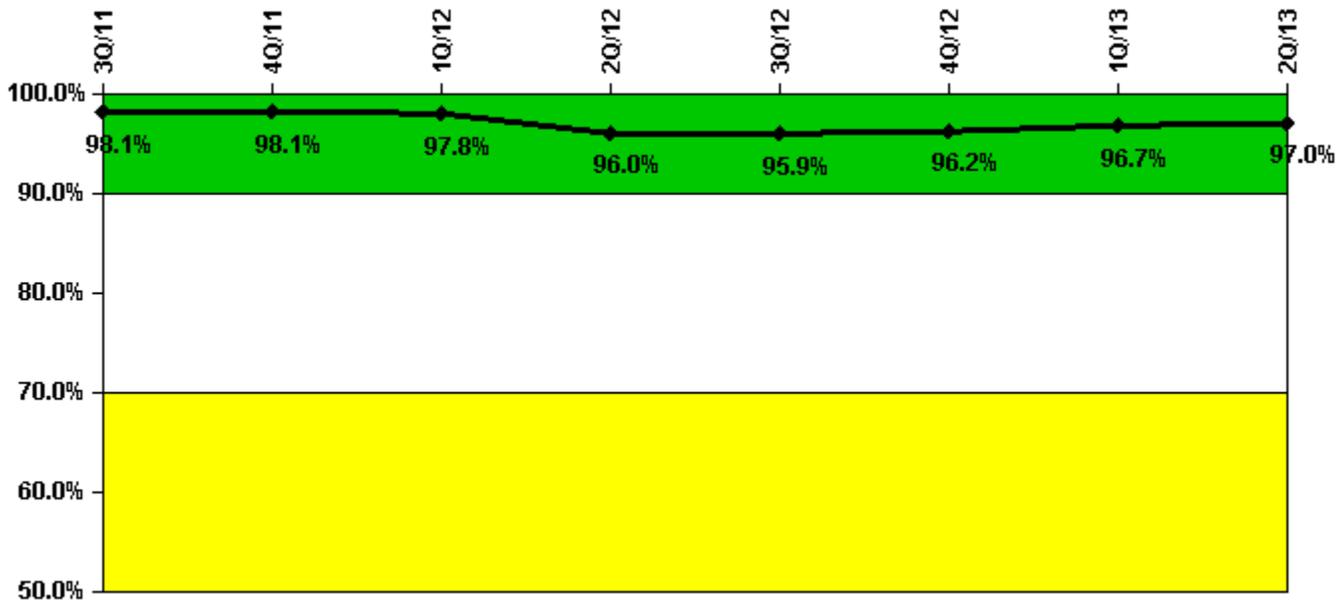
Licensee Comments:

12/12: 2012-10 Maximum RCS Identified Leakage revised 5/22/13 to 0.662 based on data review from AR

1872894. 2012-11 Maximum RCS Identified Leakage revised 5/22/13 to 0.200 based on data review from AR 1872894.

12/11: 2011-12 Maximum RCS Identified Leakage revised 5/22/13 to 0.070 based on data review from AR 1872894.

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

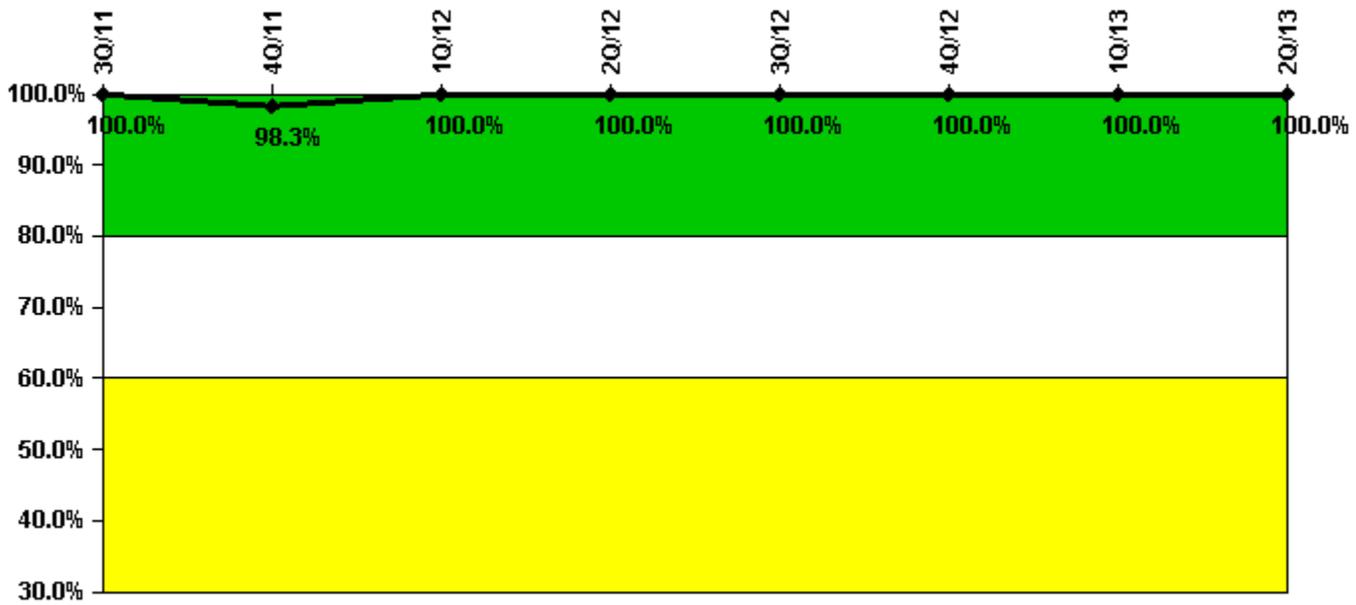
### Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	33.0	2.0	54.0	40.0	27.0	2.0	38.0	31.0
Total opportunities	34.0	2.0	55.0	44.0	27.0	2.0	38.0	32.0
Indicator value	98.1%	98.1%	97.8%	96.0%	95.9%	96.2%	96.7%	97.0%

Licensee Comments:

2Q/12: Successful opportunities revised from 29 to 28 for April based on the actual Alert declaration being retracted on 8/2/12.

### ERO Drill Participation



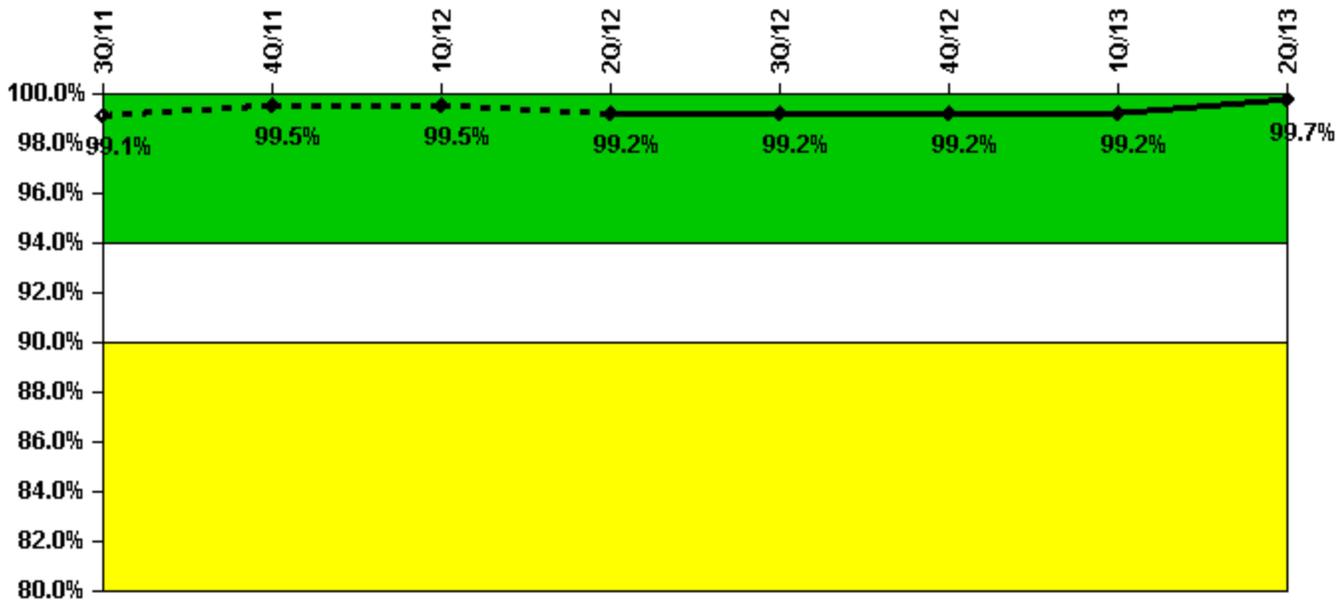
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

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

Licensee Comments: none

### Alert & Notification System



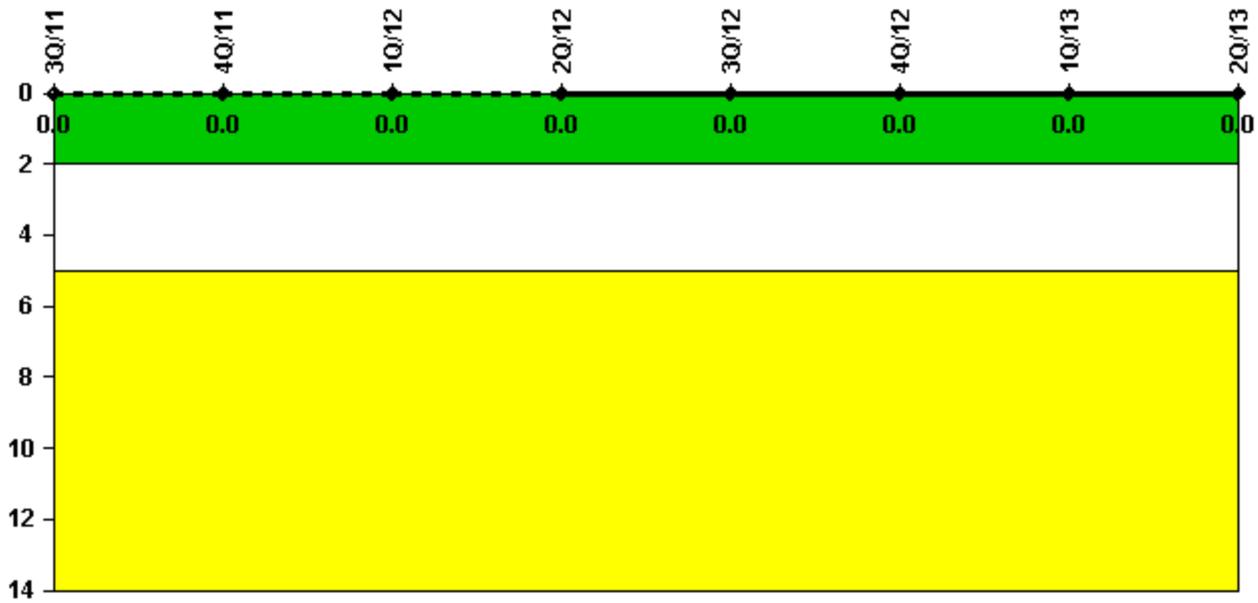
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	98	98	97	96	98	98	97	98
Total sirens-tests	98	98	98	98	98	98	98	98
Indicator value	99.1%	99.5%	99.5%	99.2%	99.2%	99.2%	99.2%	99.7%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



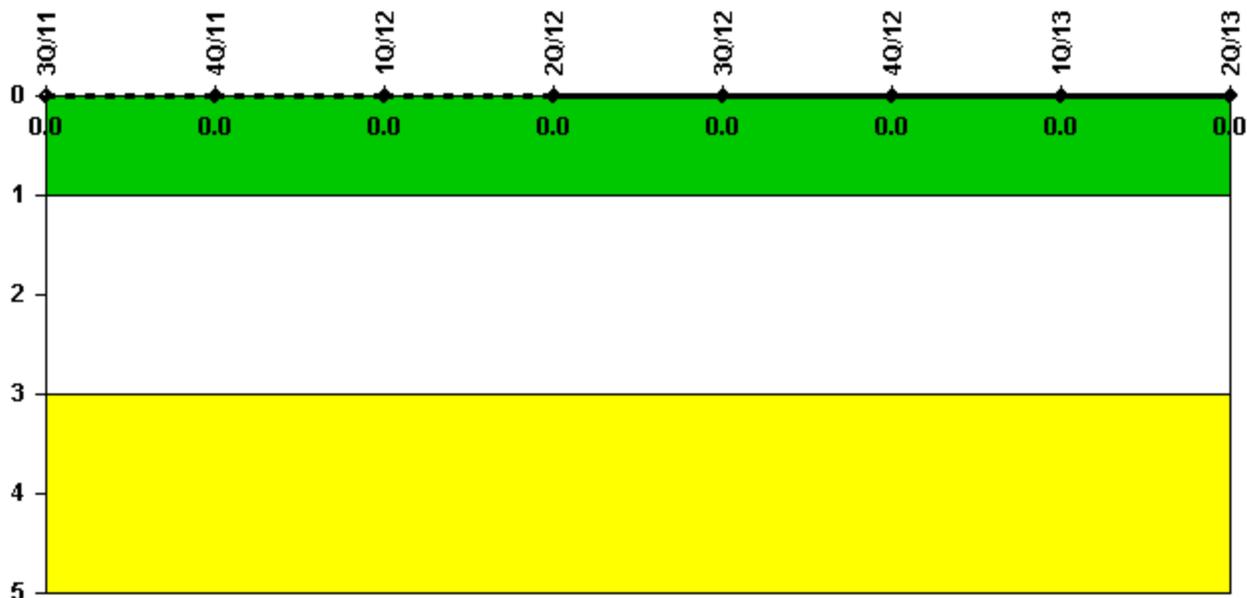
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/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>							

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</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: August 19, 2013*