

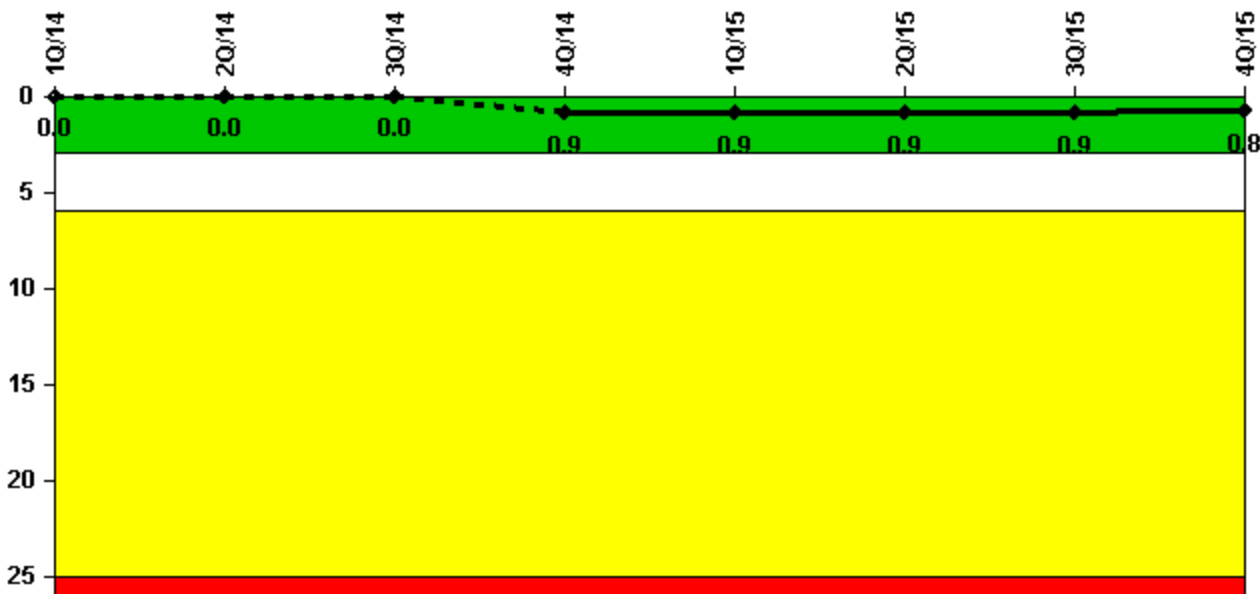
# Point Beach 1

## 4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**



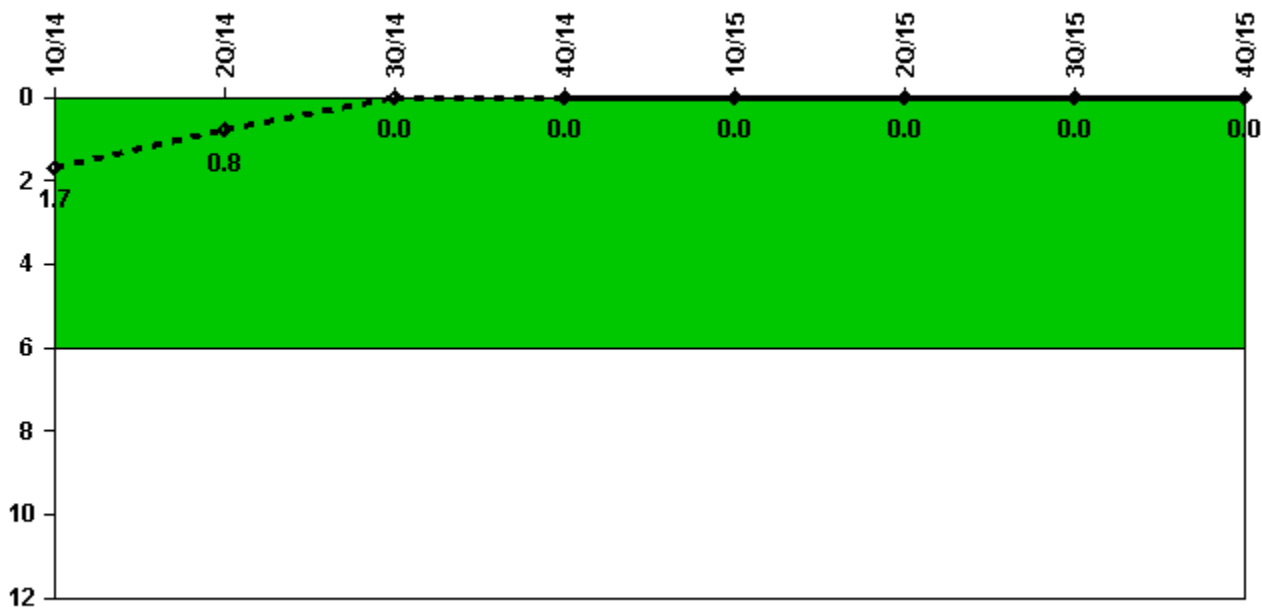
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	0	0	1.0	0	0	0	1.0
Critical hours	2159.0	2110.1	2208.0	1550.8	2159.0	2184.0	2208.0	2128.1
Indicator value	0	0	0	0.9	0.9	0.9	0.9	0.8

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



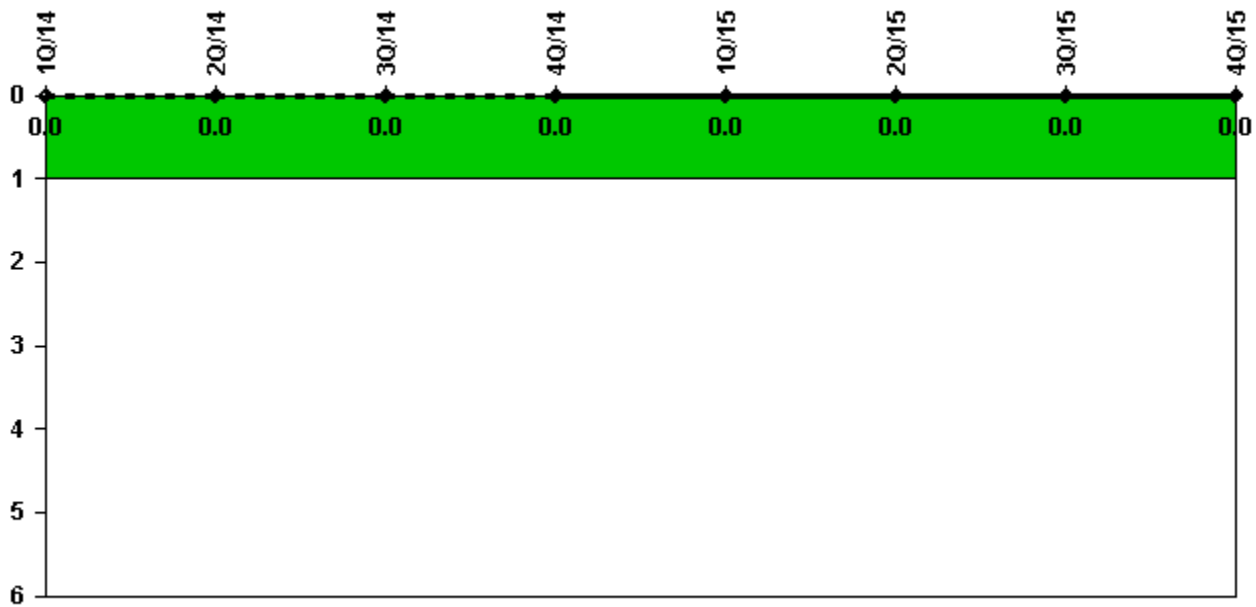
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2110.1	2208.0	1550.8	2159.0	2184.0	2208.0	2128.1
<b>Indicator value</b>	<b>1.7</b>	<b>0.8</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



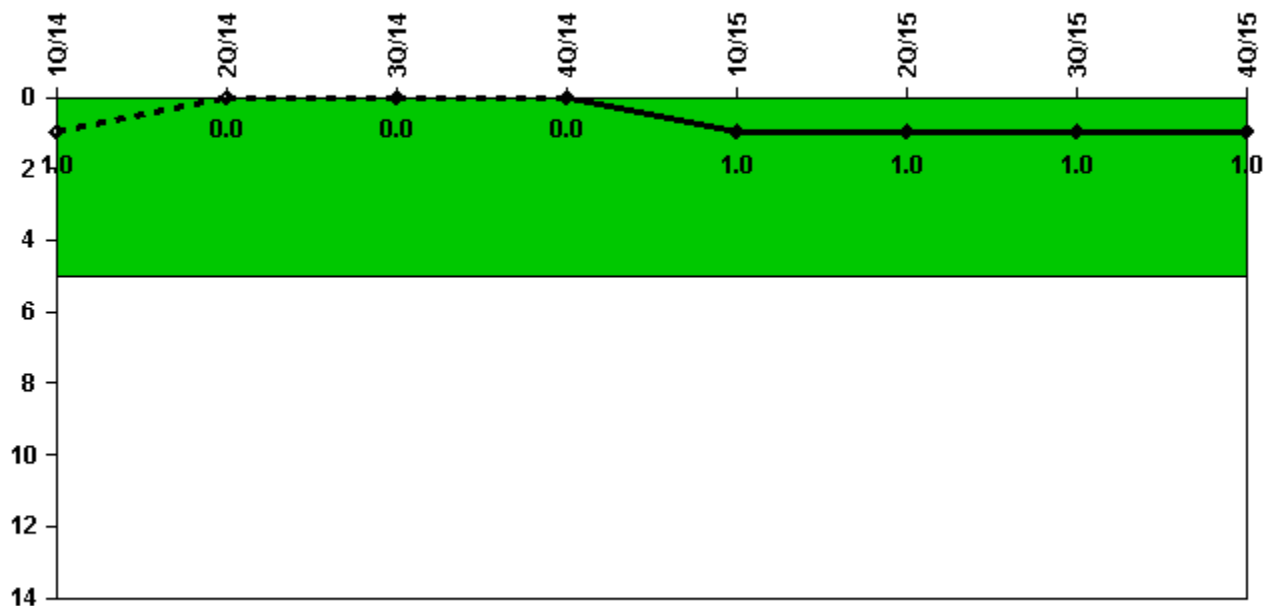
Thresholds: White > 1.0

#### Notes

Unplanned Scrams with Complications	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
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/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Safety System Functional Failures	0	0	0	0	1	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Licensee Comments:

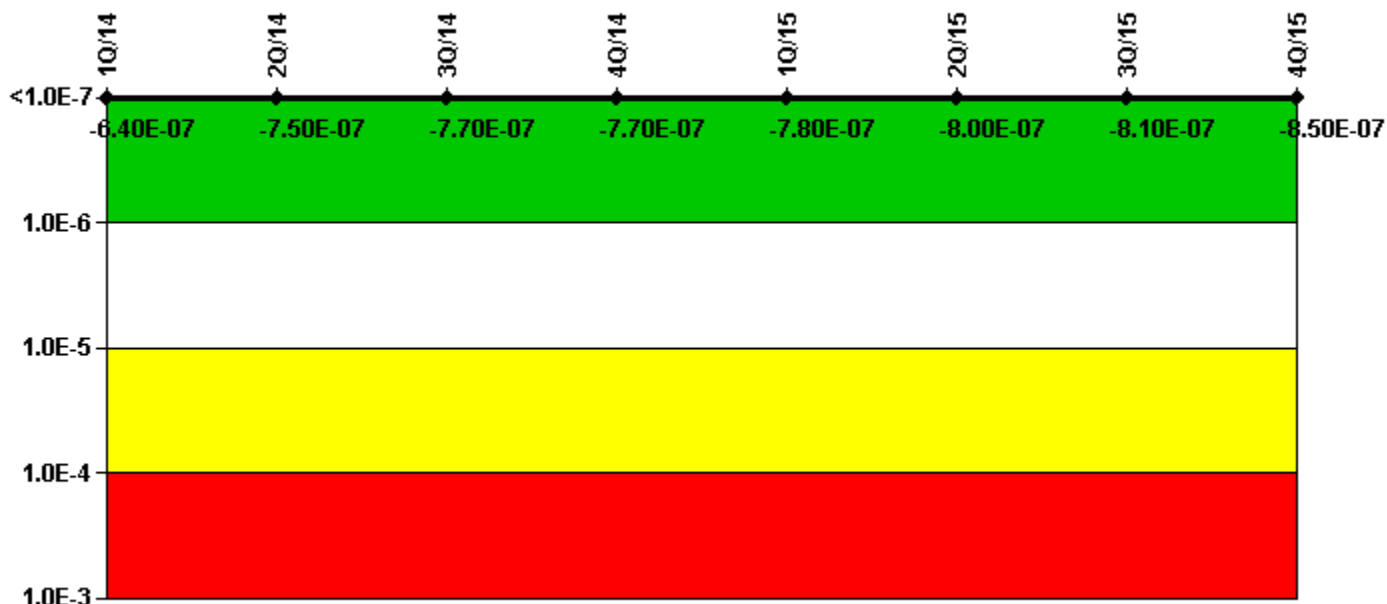
4Q/15: No SSFF LERs submitted in 4Q15.

3Q/15: LER 266/2015-004-00 (Units 1 and 2) was submitted in August 2015 but was not reported as a SSFF.

2Q/15: No SSFFs submitted in 2Q15.

1Q/15: LER 2015-001-00, RHR Flooding dated January 19, 2015

### 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/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI ( $\Delta$ CDF)	8.75E-08	6.96E-08	5.43E-08	4.55E-08	4.62E-08	2.90E-08	2.70E-08	-1.11E-08
URI ( $\Delta$ CDF)	-7.25E-07	-8.19E-07	-8.20E-07	-8.20E-07	-8.26E-07	-8.32E-07	-8.37E-07	-8.43E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.40E-07	-7.50E-07	-7.70E-07	-7.70E-07	-7.80E-07	-8.00E-07	-8.10E-07	-8.50E-07

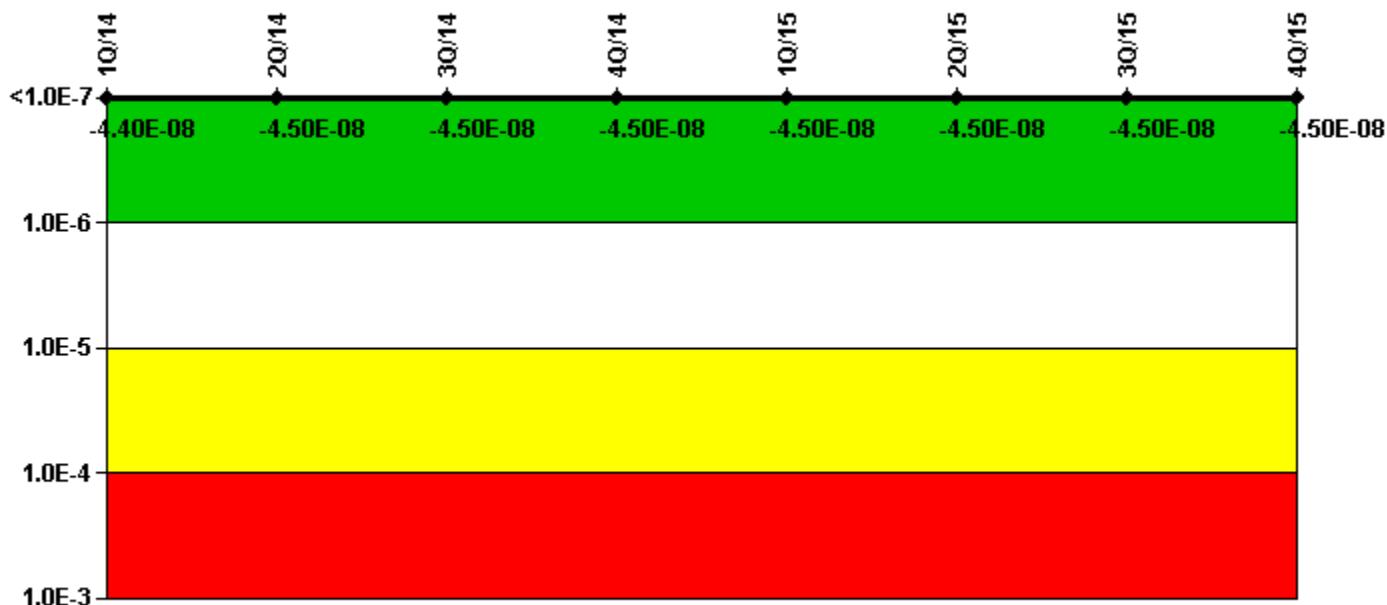
#### Licensee Comments:

3Q/14: EAC numbers for May 2014 were updated due to data error. Reference AR 01994937 and AR01995233.

2Q/14: The PBNP PRA Model Revision 5.02 was approved on January 17, 2014 with a corresponding MSPI Basis Document revision 23 approved on June 27, 2014. The primary purpose of the PRA update was to resolve an issue identified with the previous model that affected the CDF and LERF calculations when components were taken out of service by setting their basic events to logical TRUE.

2Q/14: Changed PRA Parameter(s). The PBNP PRA Model Revision 5.02 was approved on January 17, 2014 with a corresponding MSPI Basis Document revision 23 approved on June 27, 2014. The primary purpose of the PRA update was to resolve an issue identified with the previous model that affected the CDF and LERF calculations when components were taken out of service by setting their basic events to logical TRUE.

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



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

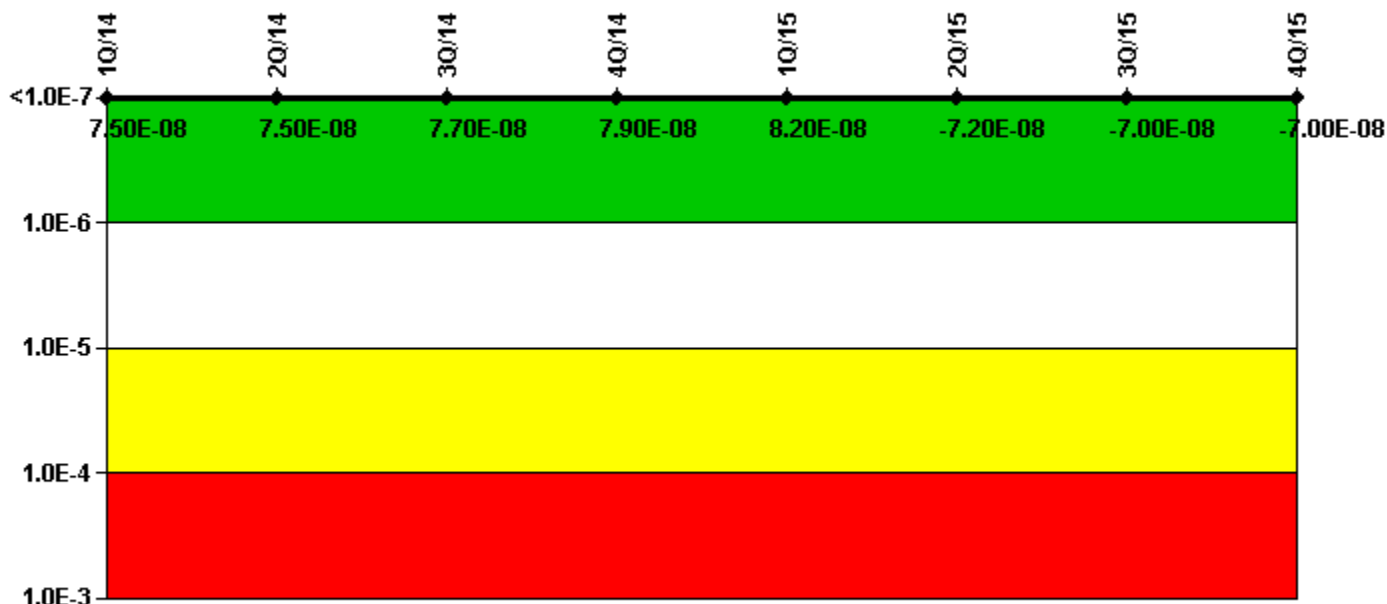
#### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI ( $\Delta$ CDF)	-1.65E-08	-1.71E-08	-1.71E-08	-1.71E-08	-1.71E-08	-1.71E-08	-1.71E-08	-1.71E-08
URI ( $\Delta$ CDF)	-2.78E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08	-2.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.40E-08	-4.50E-08	-4.50E-08	-4.50E-08	-4.50E-08	-4.50E-08	-4.50E-08	-4.50E-08

#### Licensee Comments:

2Q/14: Changed PRA Parameter(s). The PBNP PRA Model Revision 5.02 was approved on January 17, 2014 with a corresponding MSPI Basis Document revision 23 approved on June 27, 2014. The primary purpose of the PRA update was to resolve an issue identified with the previous model that affected the CDF and LERF calculations when components were taken out of service by setting their basic events to logical TRUE.

### Mitigating Systems Performance Index, Heat Removal System



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

#### Notes

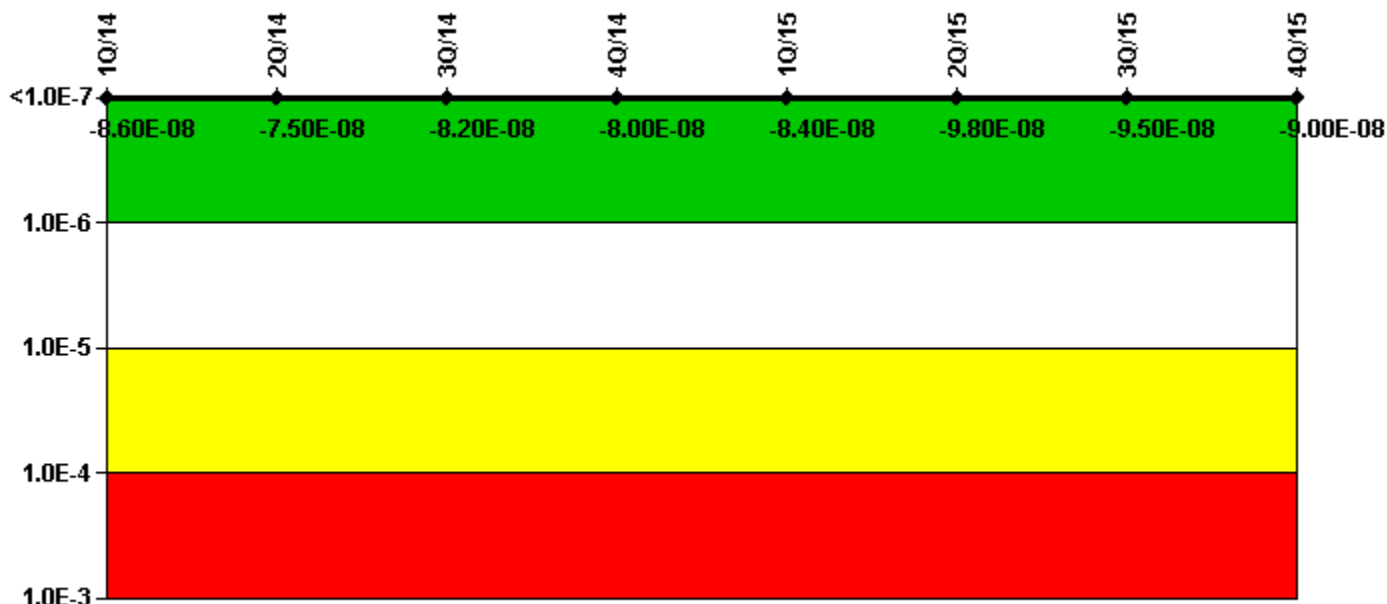
Mitigating Systems Performance Index, Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	1.64E-08	-6.10E-09	-6.10E-09	-4.46E-09	-6.76E-09	-2.65E-08	-2.65E-08	-2.65E-08
URI (ΔCDF)	5.87E-08	8.09E-08	8.29E-08	8.37E-08	8.84E-08	-4.56E-08	-4.36E-08	-4.33E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.50E-08	7.50E-08	7.70E-08	7.90E-08	8.20E-08	-7.20E-08	-7.00E-08	-7.00E-08

#### Licensee Comments:

1Q/15: Bearing cooling removed from Auxiliary Feedwater pumps by modification EC2372527 (U1). Associated valves were removed from MSPI Basis Document and CDE.

2Q/14: Changed PRA Parameter(s). The PBNP PRA Model Revision 5.02 was approved on January 17, 2014 with a corresponding MSPI Basis Document revision 23 approved on June 27, 2014. The primary purpose of the PRA update was to resolve an issue identified with the previous model that affected the CDF and LERF calculations when components were taken out of service by setting their basic events to logical TRUE.

### Mitigating Systems Performance Index, Residual Heat Removal System



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

#### Notes

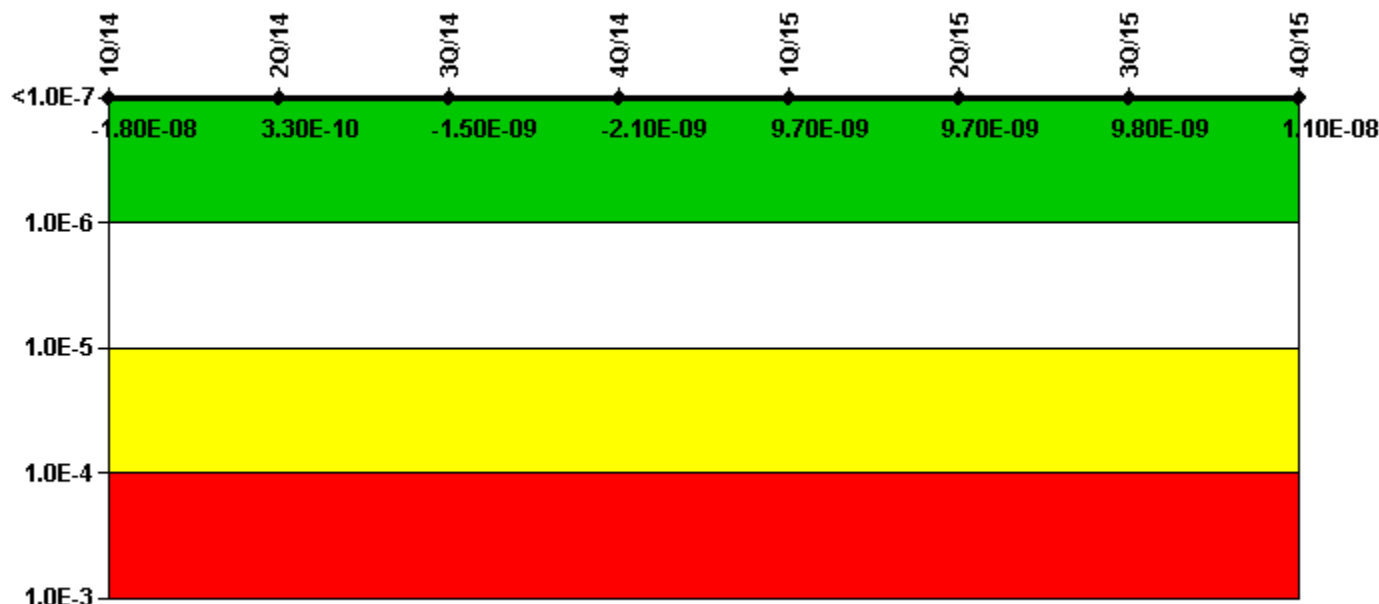
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI ( $\Delta$ CDF)	4.10E-08	4.46E-08	3.76E-08	4.03E-08	3.64E-08	2.33E-08	2.71E-08	3.26E-08
URI ( $\Delta$ CDF)	-1.27E-07	-1.19E-07	-1.20E-07	-1.20E-07	-1.21E-07	-1.21E-07	-1.22E-07	-1.22E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.60E-08	-7.50E-08	-8.20E-08	-8.00E-08	-8.40E-08	-9.80E-08	-9.50E-08	-9.00E-08

#### Licensee Comments:

2Q/14: Changed PRA Parameter(s). The PBNP PRA Model Revision 5.02 was approved on January 17, 2014 with a corresponding MSPI Basis Document revision 23 approved on June 27, 2014. The primary purpose of the PRA update was to resolve an issue identified with the previous model that affected the CDF and LERF calculations when components were taken out of service by setting their basic events to logical TRUE.



### Mitigating Systems Performance Index, Cooling Water Systems



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

#### Notes

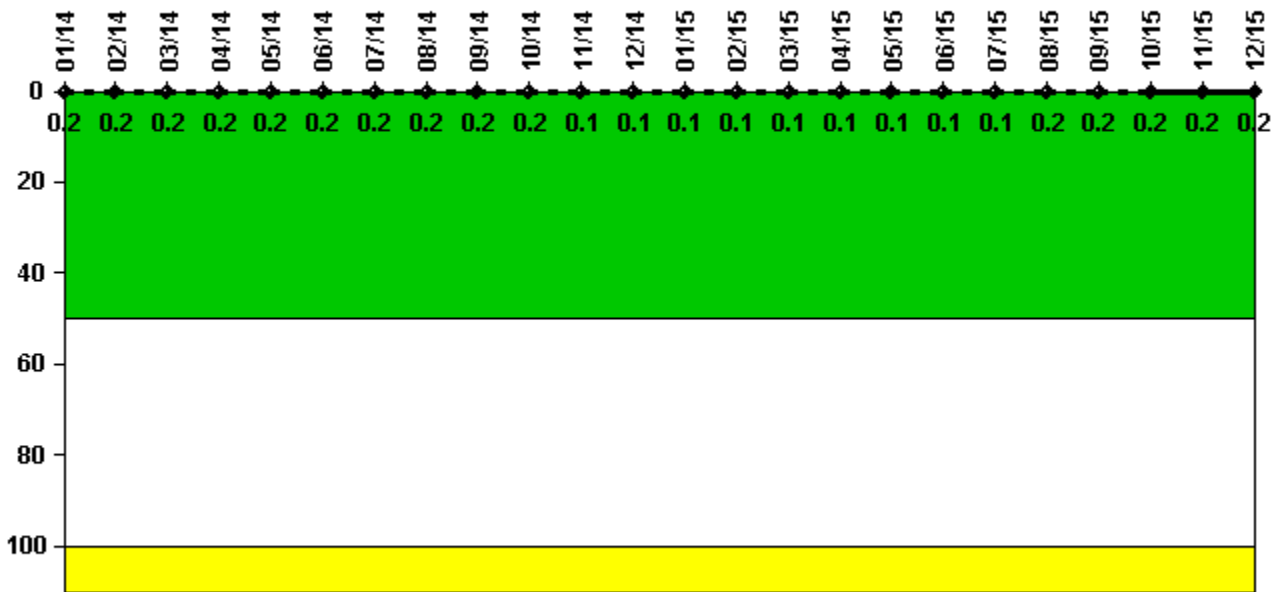
Mitigating Systems Performance Index, Cooling Water Systems	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI ( $\Delta$ CDF)	-1.03E-08	2.41E-09	5.77E-10	-5.20E-11	1.24E-08	1.25E-08	1.26E-08	1.42E-08
URI ( $\Delta$ CDF)	-7.53E-09	-2.07E-09	-2.12E-09	-2.01E-09	-2.72E-09	-2.77E-09	-2.82E-09	-2.87E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.80E-08	3.30E-10	-1.50E-09	-2.10E-09	9.70E-09	9.70E-09	9.80E-09	1.10E-08

Licensee Comments:

4Q/14: Failure of Service Water pump motor P-032D-M failed to run 10/7/2014, AR1996936.

2Q/14: Changed PRA Parameter(s). The PBNP PRA Model Revision 5.02 was approved on January 17, 2014 with a corresponding MSPI Basis Document revision 23 approved on June 27, 2014. The primary purpose of the PRA update was to resolve an issue identified with the previous model that affected the CDF and LERF calculations when components were taken out of service by setting their basic events to logical TRUE. The planned unavailability baseline for the Cooling Water System 1 (Service Water System) overboard valves was reduced to reflect the current maintenance practice of not danger-tagging these valves closed for ice melt or during refueling outages (AR01670874). This change is consistent with how unavailability of these valves is treated in the PRA model.

### Reactor Coolant System Activity



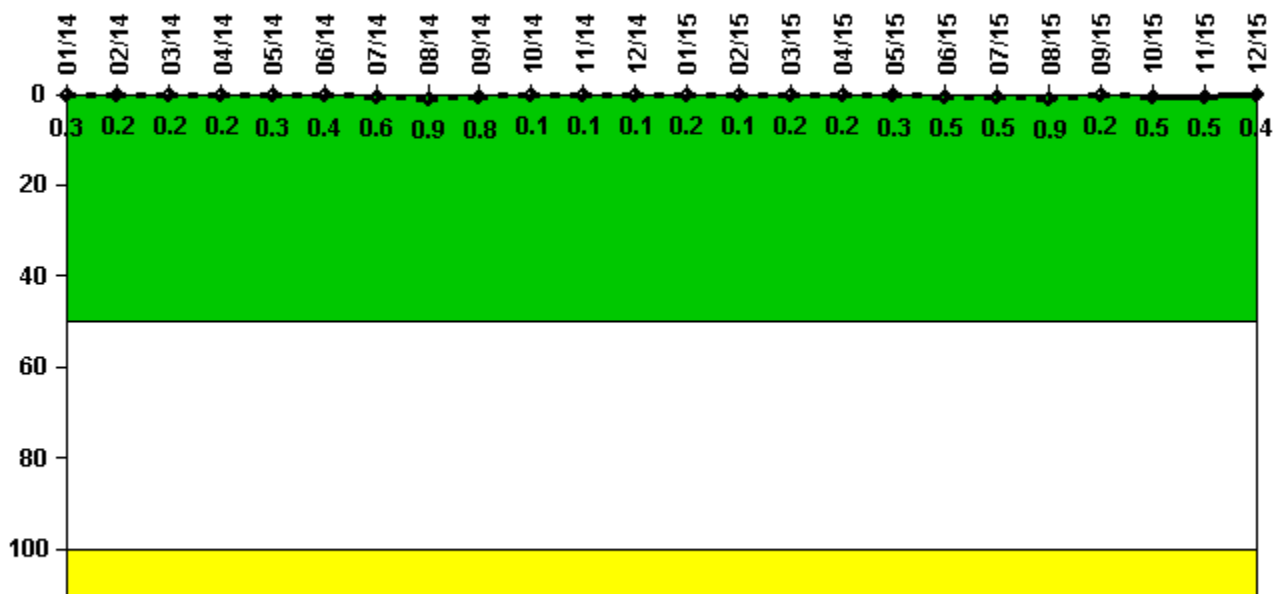
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum activity	0.000780	0.000829	0.000805	0.000869	0.000868	0.000907	0.000931	0.000990	0.000990	0.001030	0.000458	0.000505
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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
Reactor Coolant System Activity	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum activity	0.000592	0.000585	0.000613	0.000666	0.000685	0.000702	0.000733	0.000763	0.000781	0.000800	0.000865	0.000876
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	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2

Licensee Comments: none

### Reactor Coolant System Leakage



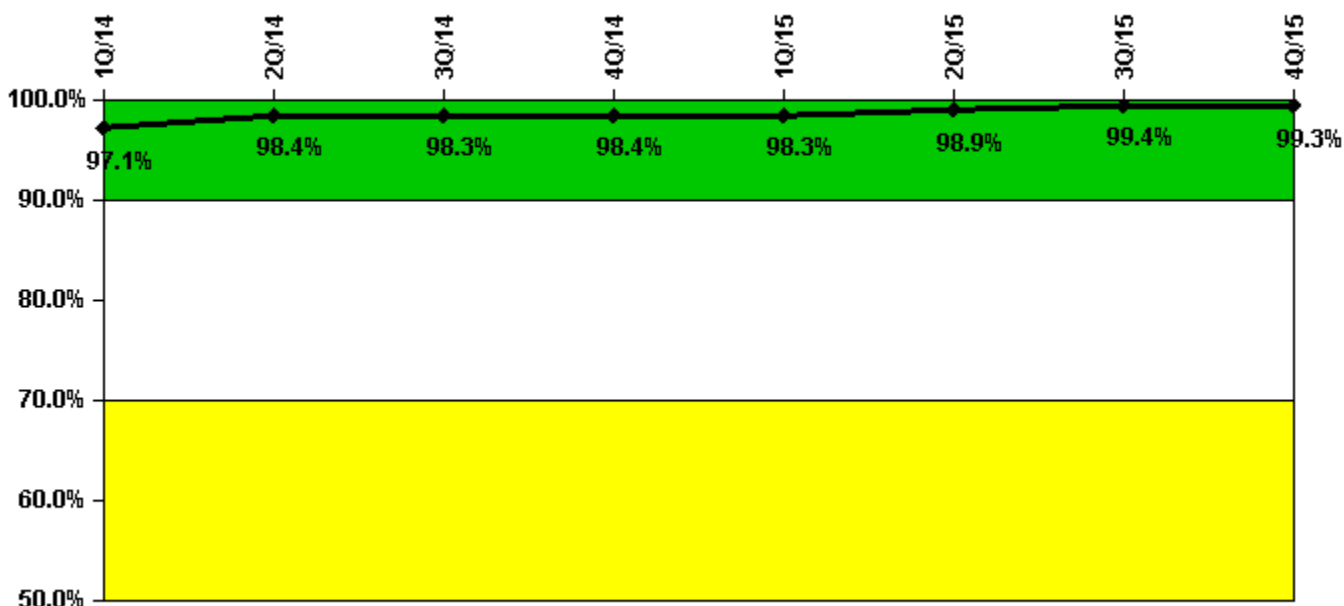
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	0.025	0.020	0.020	0.019	0.028	0.041	0.056	0.094	0.078	0.010	0.014	0.011
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>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>	<b>0.6</b>	<b>0.9</b>	<b>0.8</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>
Reactor Coolant System Leakage	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum leakage	0.015	0.014	0.020	0.023	0.029	0.047	0.045	0.092	0.023	0.049	0.045	0.042
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>0.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.5</b>	<b>0.5</b>	<b>0.9</b>	<b>0.2</b>	<b>0.5</b>	<b>0.5</b>	<b>0.4</b>

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful opportunities	30.0	23.0	20.0	14.0	20.0	32.0	12.0	0
Total opportunities	30.0	24.0	20.0	14.0	20.0	32.0	12.0	0
Indicator value	97.1%	98.4%	98.3%	98.4%	98.3%	98.9%	99.4%	99.3%

Licensee Comments: none

### ERO Drill Participation



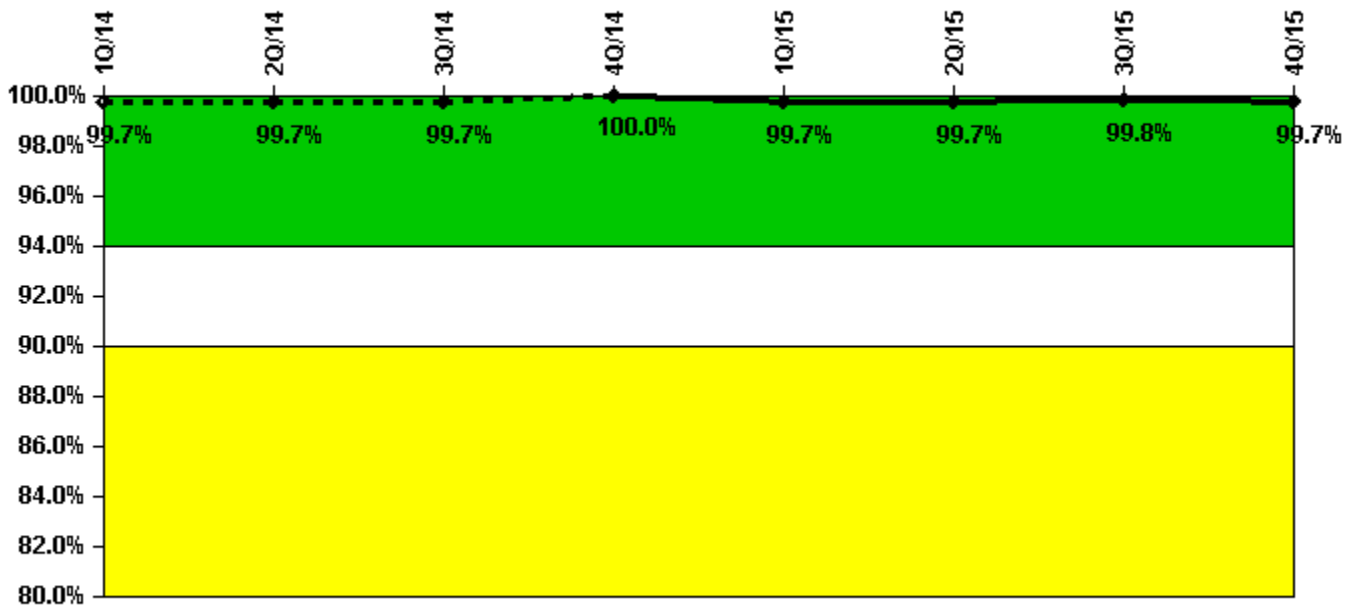
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Participating Key personnel	58.0	60.0	58.0	55.0	56.0	63.0	62.0	63.0
Total Key personnel	58.0	60.0	58.0	55.0	56.0	63.0	62.0	63.0
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/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests	98	98	98	112	83	98	112	98
Total sirens-tests	98	98	98	112	84	98	112	98
Indicator value	99.7%	99.7%	99.7%	100.0%	99.7%	99.7%	99.8%	99.7%

#### Licensee Comments:

1Q/14: Point Beach ANS coverage takes credit for 8 sirens located in Kewaunee County that are owned and maintained by Kewaunee Power Station. As identified in FAQ 13-04, Point Beach is documenting the siren testing performance for these 8 sirens in the notes section of the Point Beach monthly ANS indicators.

### Occupational Exposure Control Effectiveness



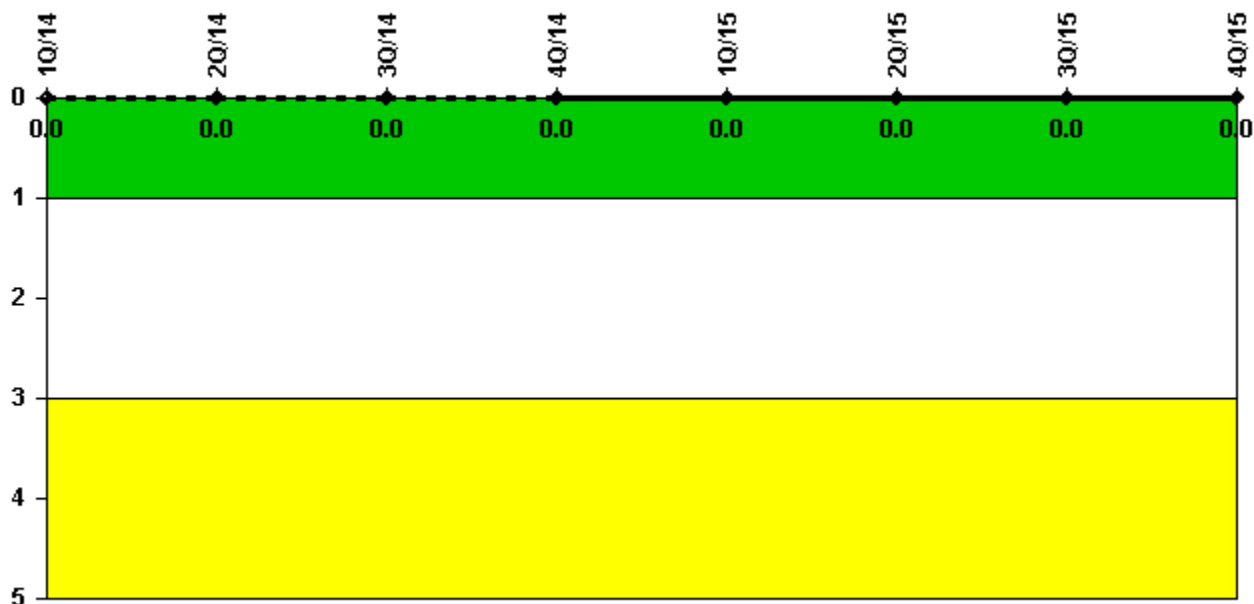
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
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/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
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: March 1, 2016*