

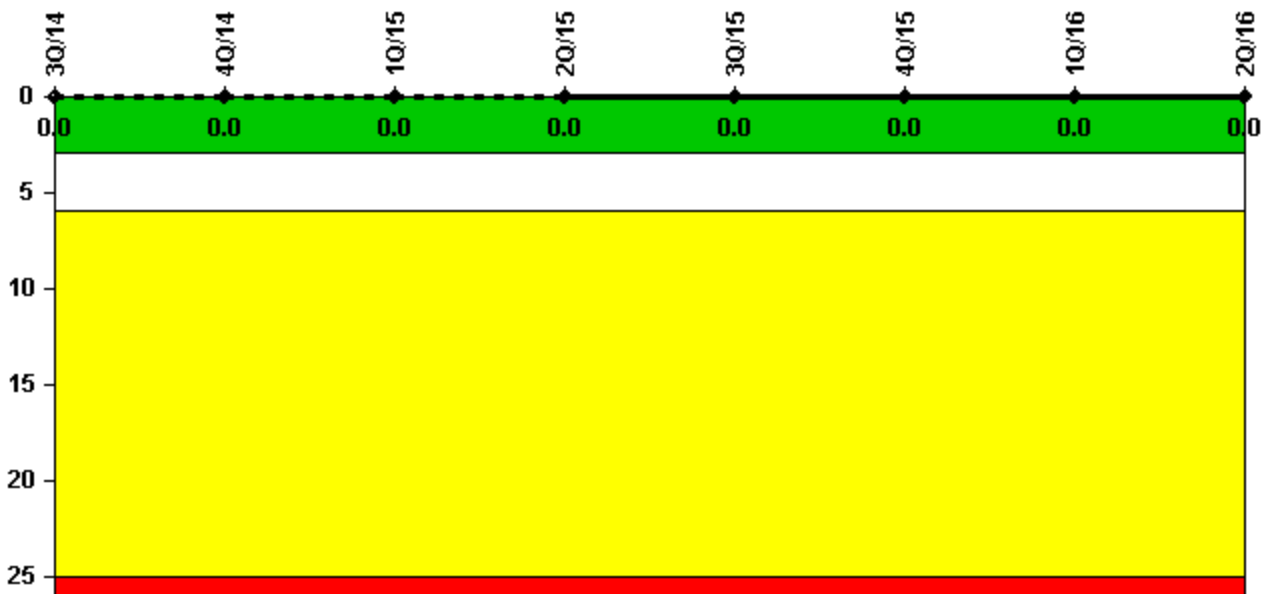
# Hatch 1

## 2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



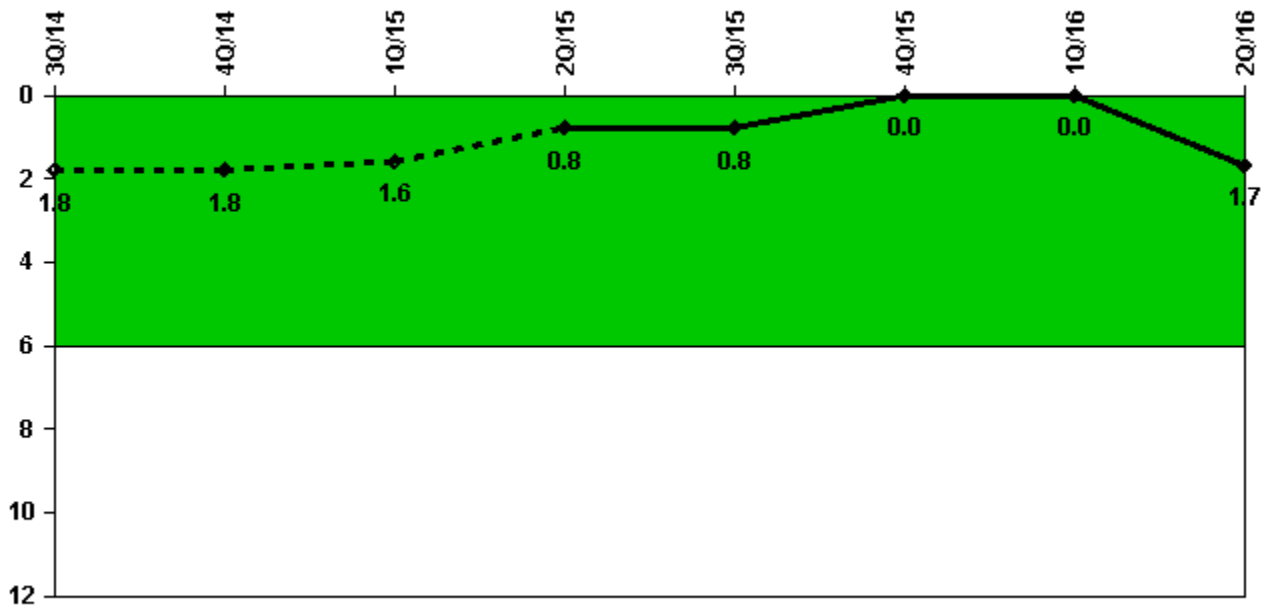
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2135.4	2128.0	2184.0	2208.0	2209.0	1586.3	2145.6
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



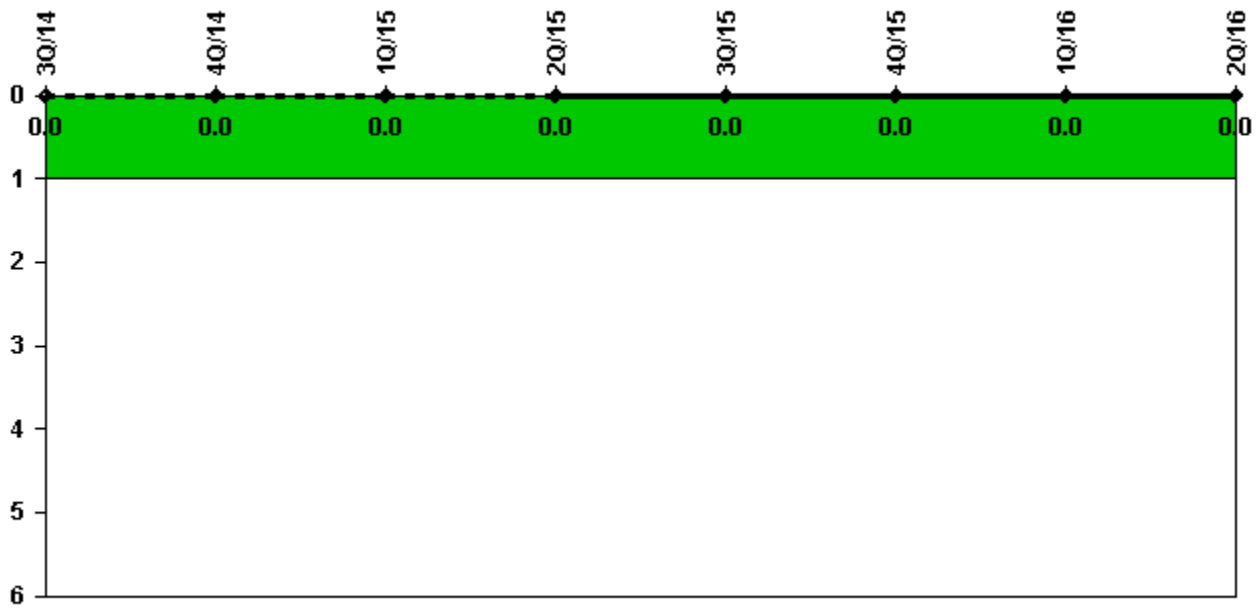
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	0	1.0	0	0	0	0	0	2.0
Critical hours	2208.0	2135.4	2128.0	2184.0	2208.0	2209.0	1586.3	2145.6
<b>Indicator value</b>	<b>1.8</b>	<b>1.8</b>	<b>1.6</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>0</b>	<b>1.7</b>

Licensee Comments: none

### Unplanned Scrams with Complications



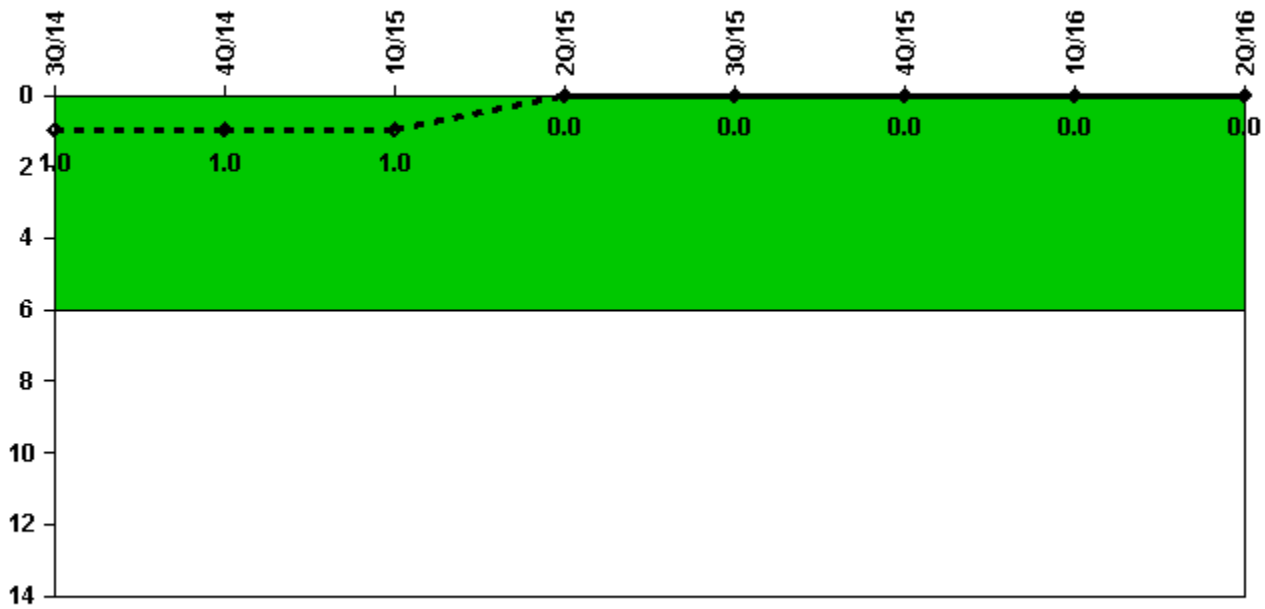
Thresholds: White > 1.0

#### Notes

Unplanned Scrams with Complications	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
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 (BWR)



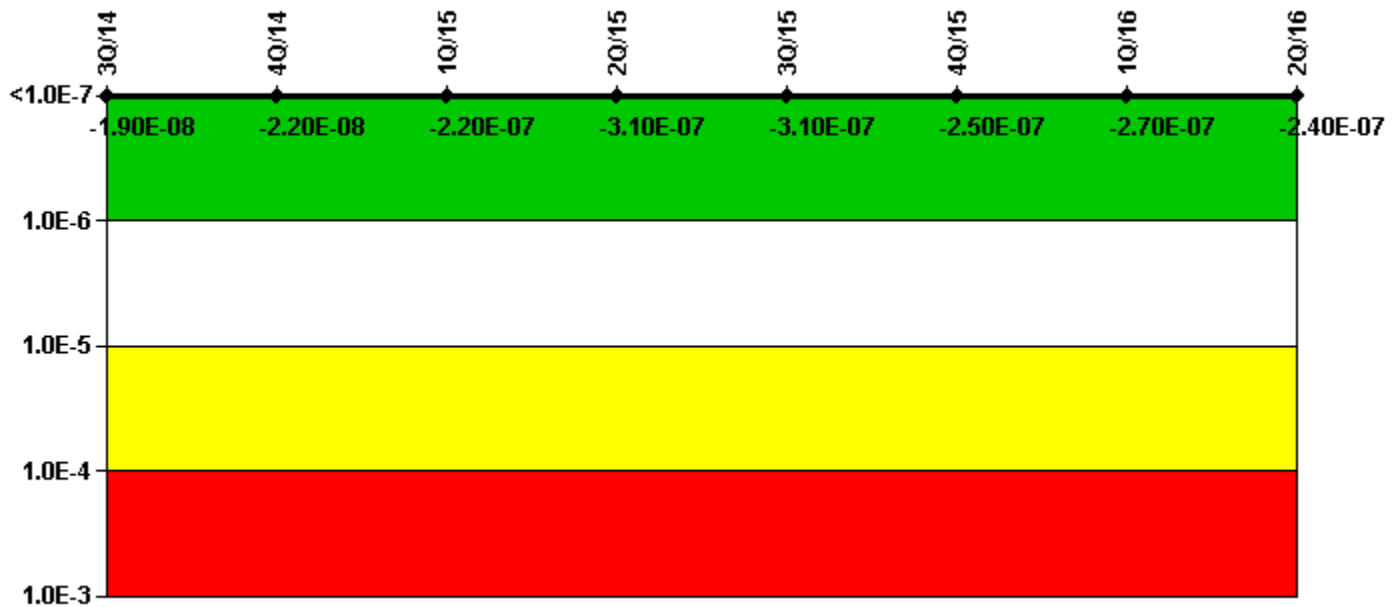
Thresholds: White > 6.0

#### Notes

Safety System Functional Failures (BWR)	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>1</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



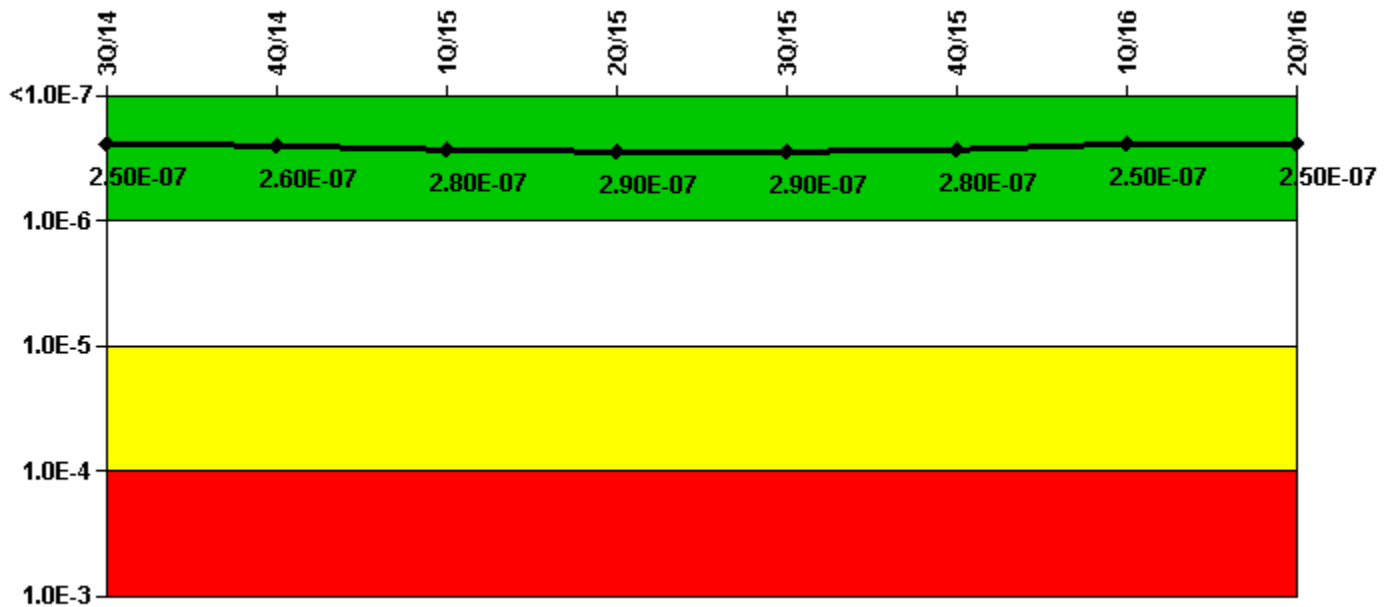
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI ( $\Delta$ CDF)	7.52E-08	7.21E-08	8.51E-08	3.48E-09	1.26E-09	5.46E-08	5.05E-08	7.56E-08
URI ( $\Delta$ CDF)	-9.38E-08	-9.38E-08	-3.05E-07	-3.10E-07	-3.07E-07	-3.08E-07	-3.22E-07	-3.14E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-2.20E-08	-2.20E-07	-3.10E-07	-3.10E-07	-2.50E-07	-2.70E-07	-2.40E-07

Licensee Comments: none

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



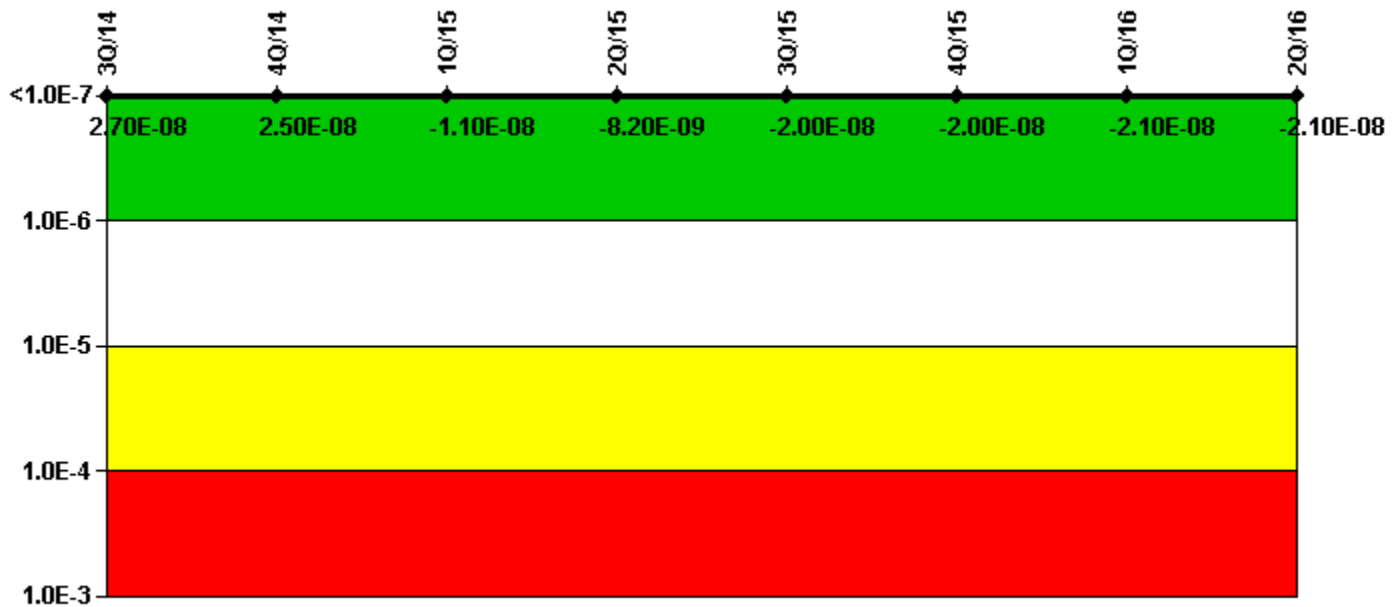
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI ( $\Delta$ CDF)	-7.44E-08	-7.44E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08	-7.45E-08
URI ( $\Delta$ CDF)	3.25E-07	3.38E-07	3.52E-07	3.65E-07	3.65E-07	3.51E-07	3.25E-07	3.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.50E-07	2.60E-07	2.80E-07	2.90E-07	2.90E-07	2.80E-07	2.50E-07	2.50E-07

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



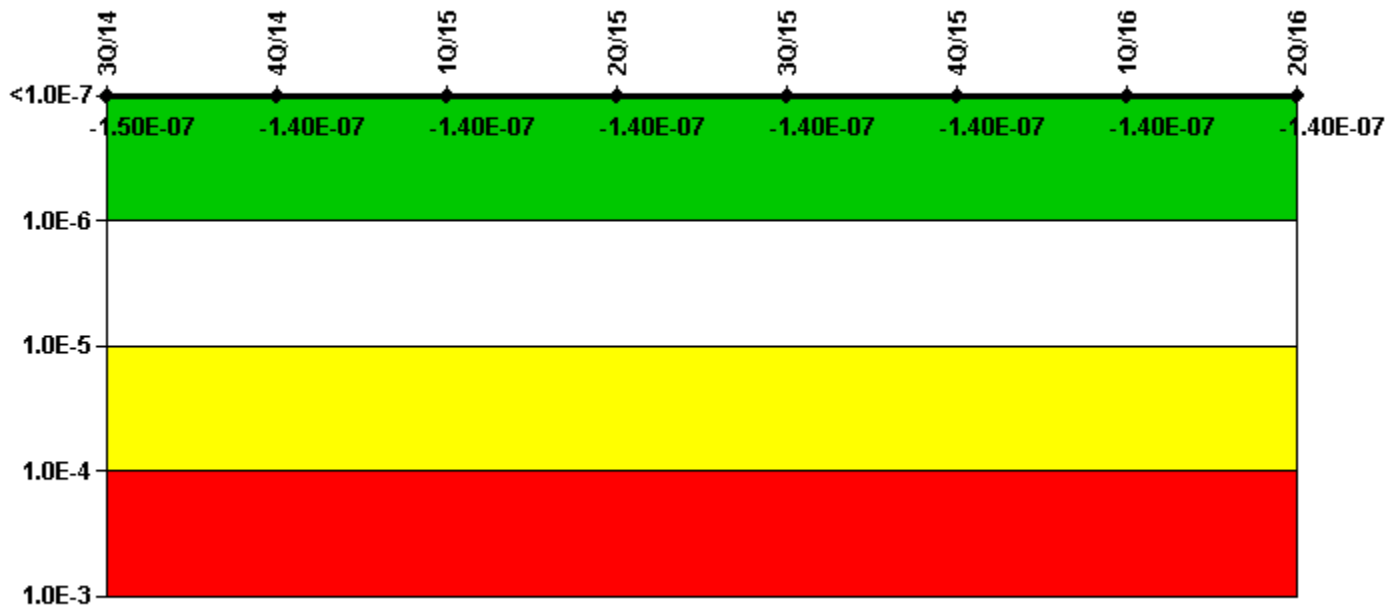
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI ( $\Delta$ CDF)	1.21E-08	1.06E-08	2.87E-09	5.59E-09	-7.00E-09	-7.00E-09	-7.00E-09	-7.00E-09
URI ( $\Delta$ CDF)	1.46E-08	1.45E-08	-1.38E-08	-1.38E-08	-1.30E-08	-1.30E-08	-1.44E-08	-1.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.70E-08	2.50E-08	-1.10E-08	-8.20E-09	-2.00E-08	-2.00E-08	-2.10E-08	-2.10E-08

Licensee Comments: none

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



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

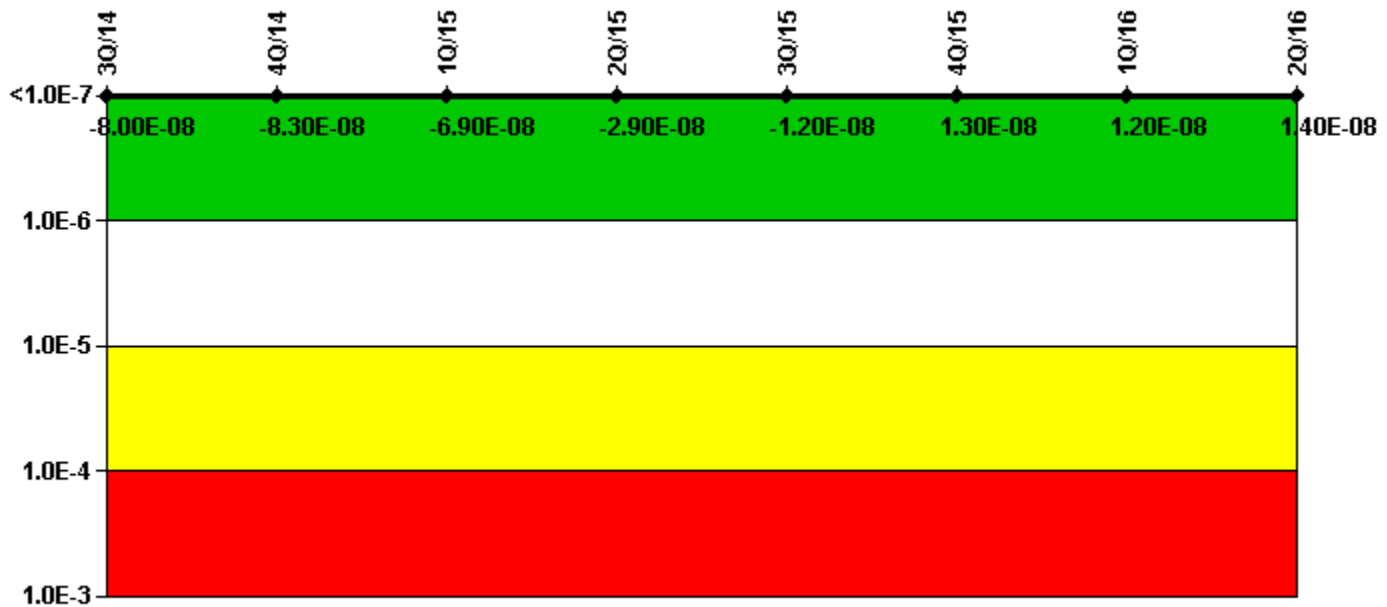
#### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI ( $\Delta$ CDF)	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08
URI ( $\Delta$ CDF)	-1.33E-07	-1.32E-07	-1.25E-07	-1.25E-07	-1.25E-07	-1.23E-07	-1.25E-07	-1.27E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



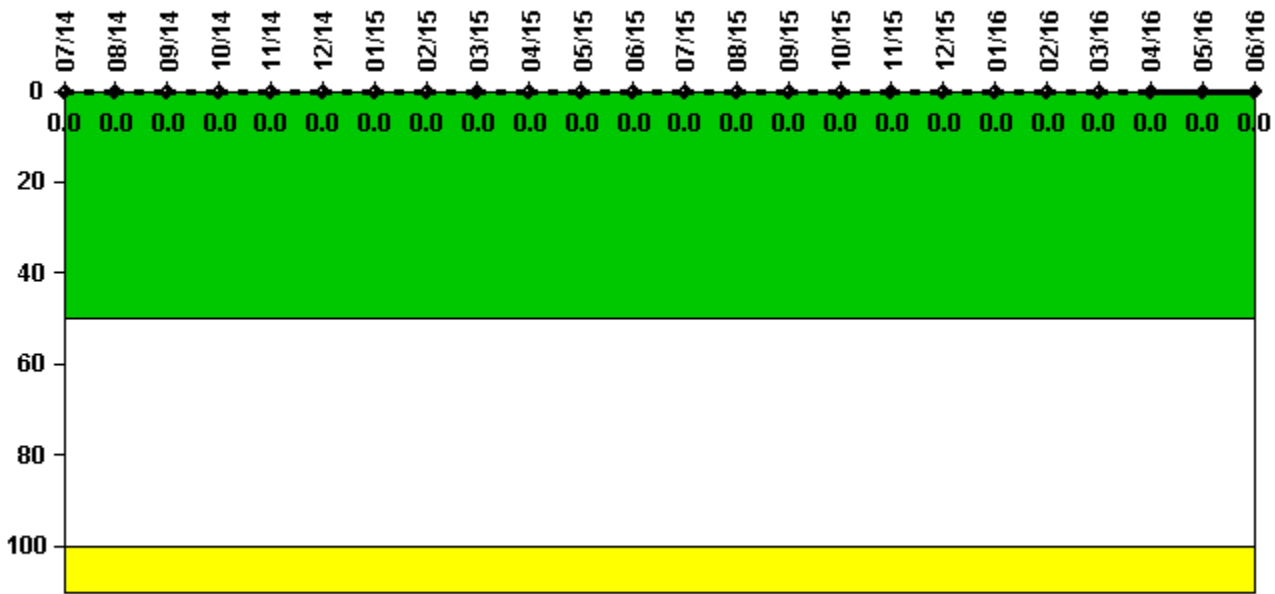
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI ( $\Delta$ CDF)	4.48E-09	1.30E-09	1.23E-08	5.63E-08	7.27E-08	9.78E-08	9.93E-08	1.01E-07
URI ( $\Delta$ CDF)	-8.45E-08	-8.48E-08	-8.17E-08	-8.48E-08	-8.44E-08	-8.48E-08	-8.68E-08	-8.77E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.00E-08	-8.30E-08	-6.90E-08	-2.90E-08	-1.20E-08	1.30E-08	1.20E-08	1.40E-08

Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

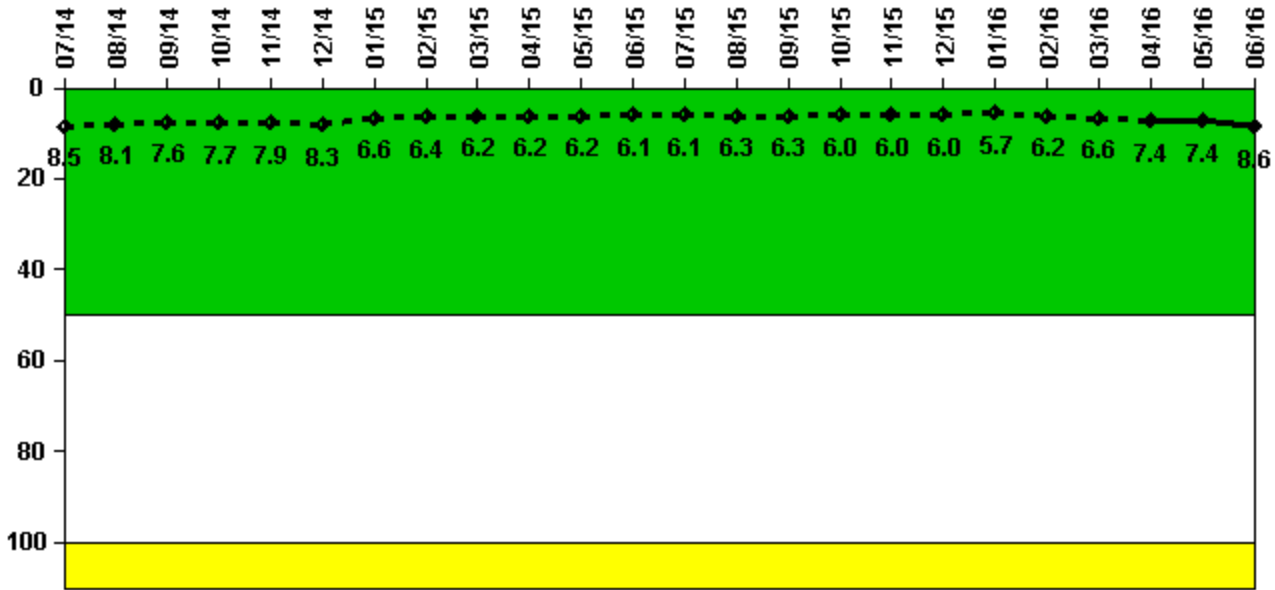
Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum activity	0.000003	0.000005	0.000004	0.000003	0.000005	0.000042	0.000005	0.000004	0.000007	0.000003	0.000004	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum activity	0.000008	0.000004	0.000005	0.000004	0.000004	0.000003	0.000005	0.000003	0.000002	0.000004	0.000004	0.000003
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	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**

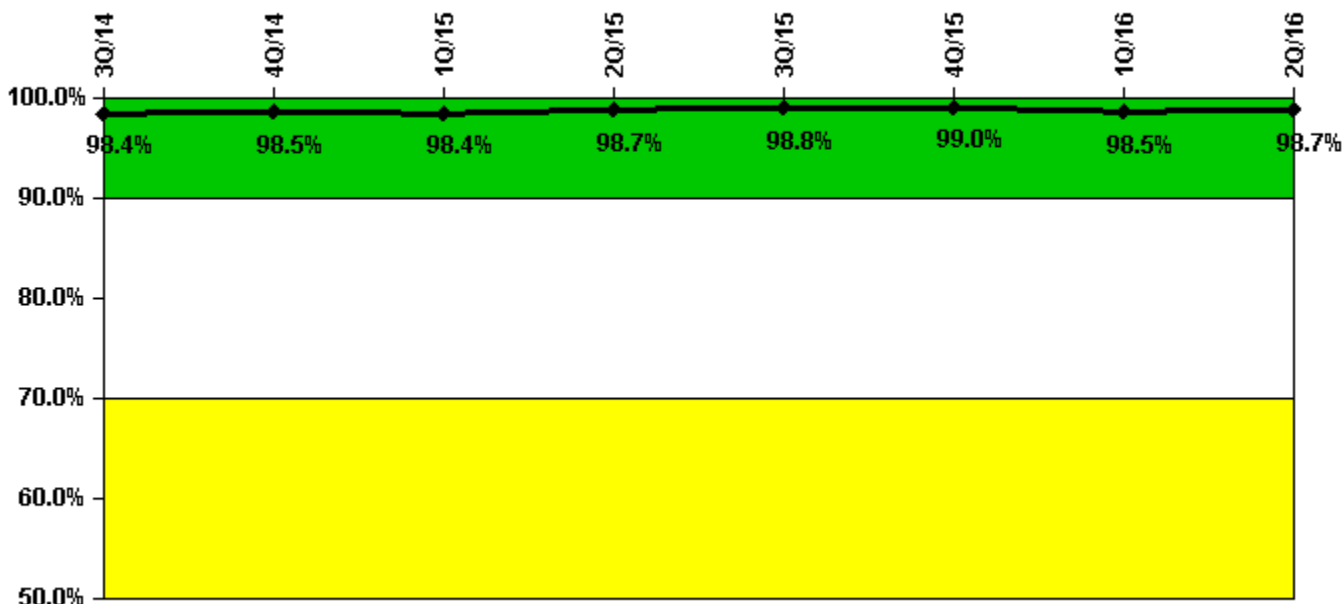
Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	2.550	2.420	2.290	2.300	2.380	2.500	1.970	1.910	1.860	1.870	1.860	1.840
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	8.5	8.1	7.6	7.7	7.9	8.3	6.6	6.4	6.2	6.2	6.2	6.1

Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	1.840	1.880	1.890	1.800	1.800	1.800	1.720	1.850	1.990	2.220	2.230	2.580
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.1	6.3	6.3	6.0	6.0	6.0	5.7	6.2	6.6	7.4	7.4	8.6

Licensee Comments: none

### Drill/Exercise Performance



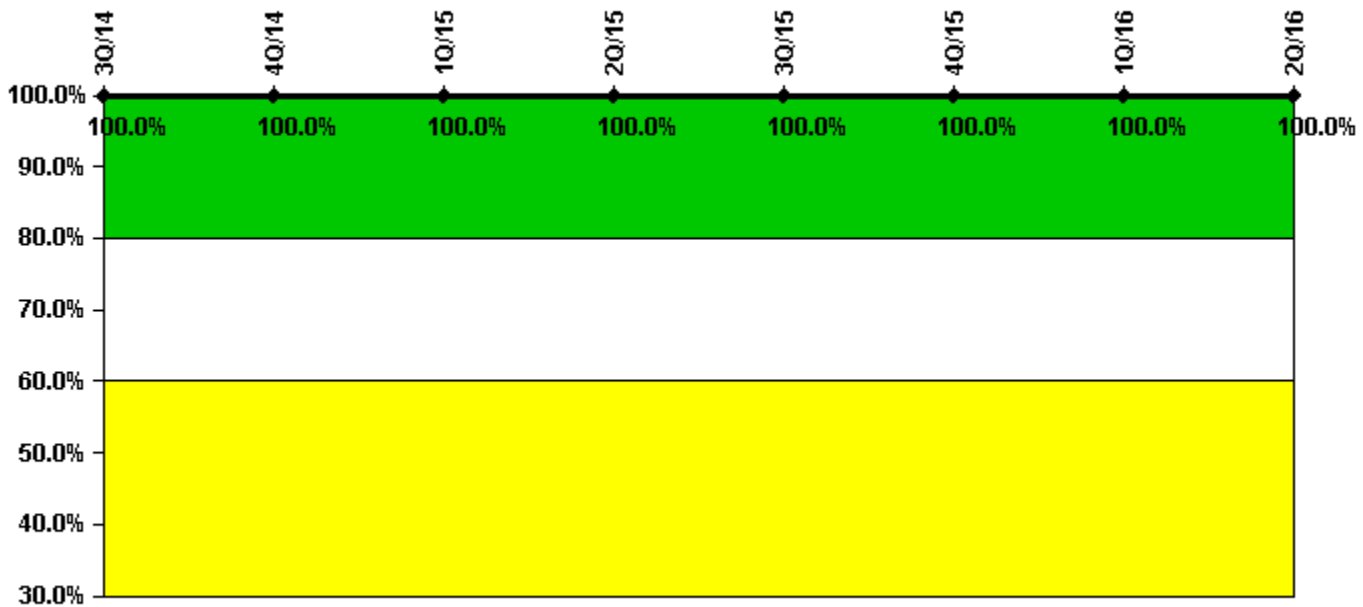
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	78.0	50.0	26.0	53.0	58.0	41.0	22.0	55.0
Total opportunities	78.0	50.0	26.0	55.0	58.0	42.0	24.0	55.0
Indicator value	98.4%	98.5%	98.4%	98.7%	98.8%	99.0%	98.5%	98.7%

Licensee Comments: none

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

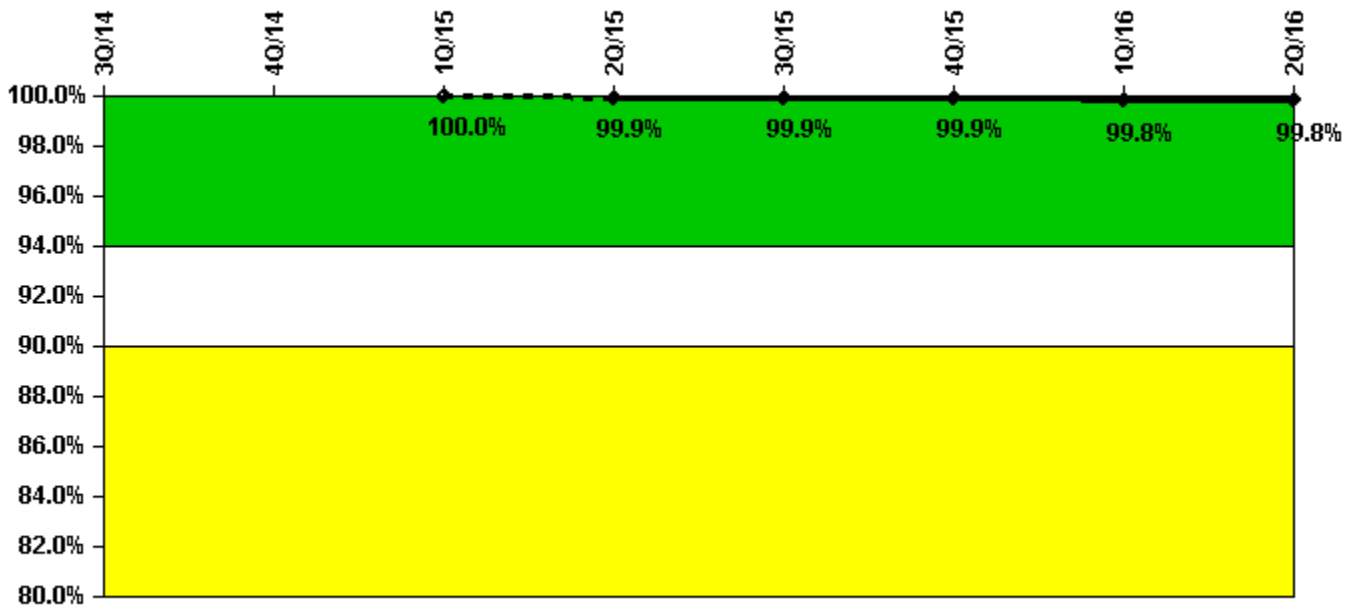
ERO Drill Participation	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Participating Key personnel	109.0	112.0	109.0	107.0	101.0	105.0	99.0	85.0
Total Key personnel	109.0	112.0	109.0	107.0	101.0	105.0	99.0	85.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

#### Licensee Comments:

4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

### Alert & Notification System



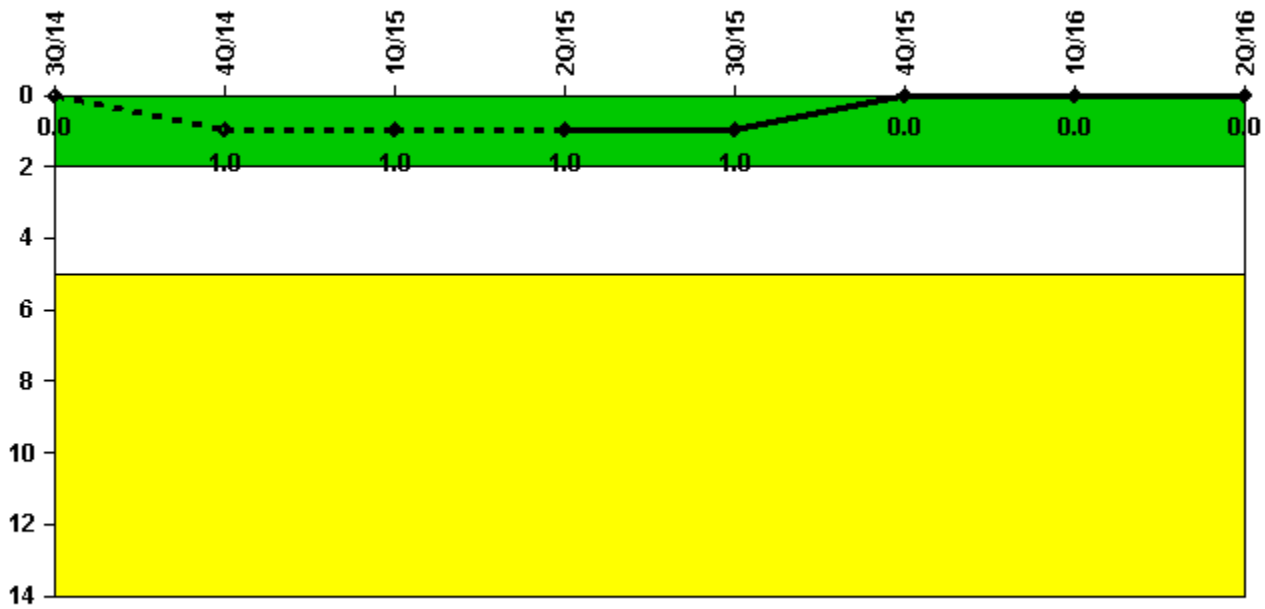
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	1117	1120	960	1039	1117	1039	1038	1036
Total sirens-tests	1119	1120	960	1040	1120	1040	1040	1040
Indicator value			100.0%	99.9%	99.9%	99.9%	99.8%	99.8%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
High radiation area occurrences	0	1	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>1</b>	<b>1</b>	<b>1</b>	<b>1</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	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
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: July 25, 2016*