

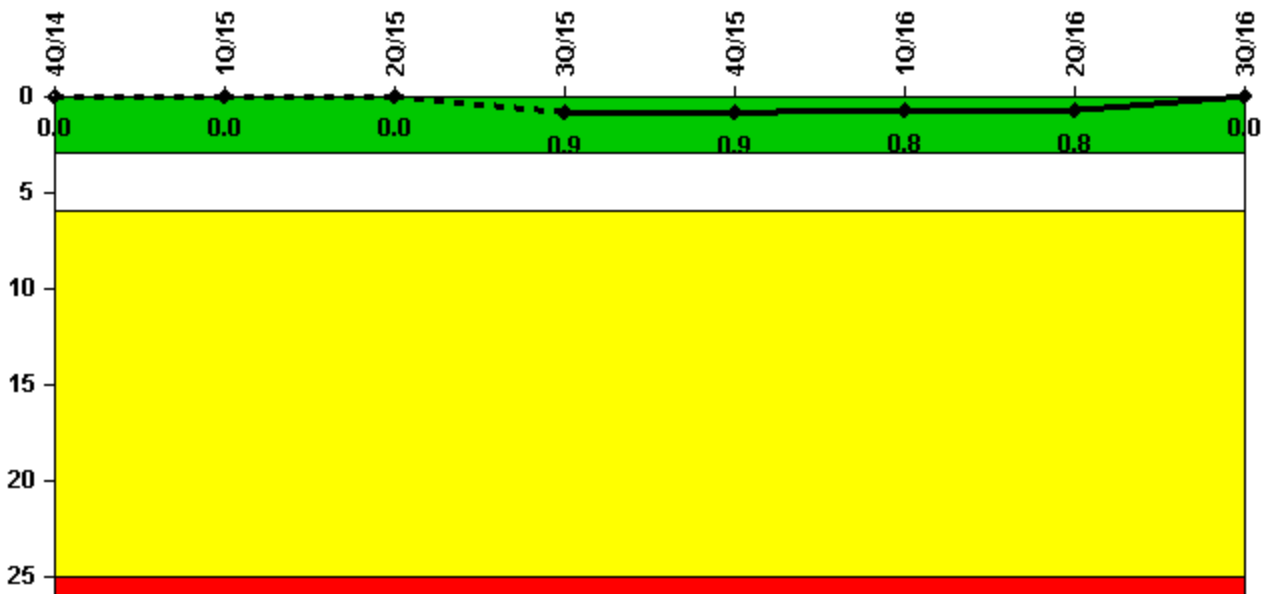
# Nine Mile Point 1

## 3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



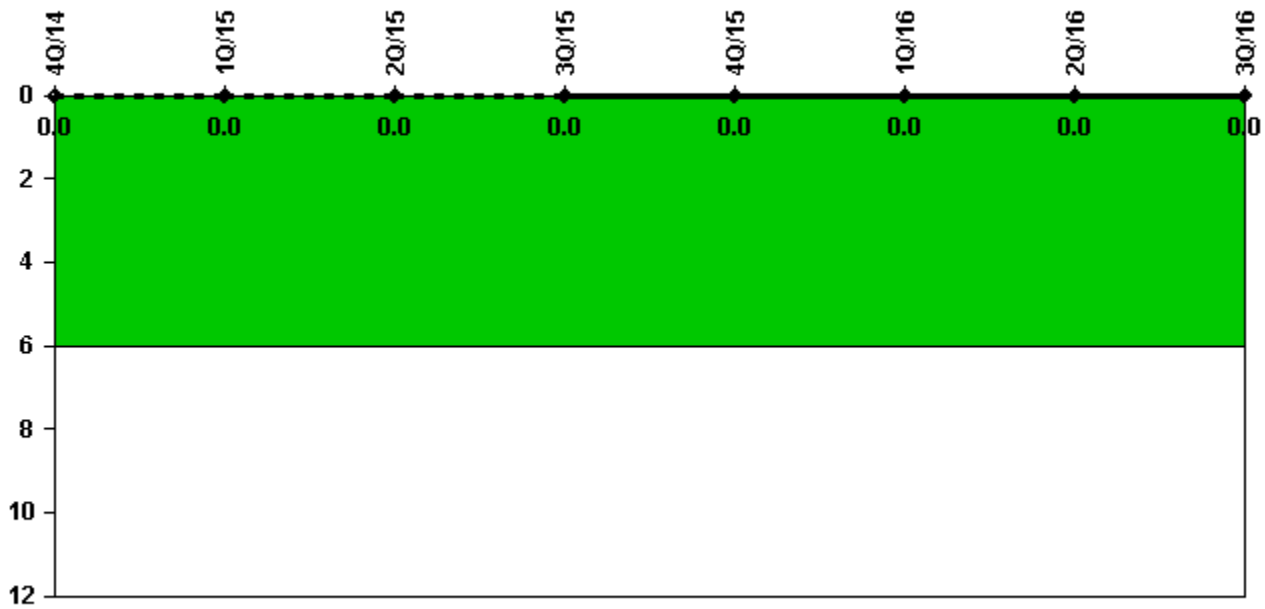
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2209.0	1777.4	1975.8	2146.8	2209.0	2183.0	2184.0	2208.0
Indicator value	0	0	0	0.9	0.9	0.8	0.8	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



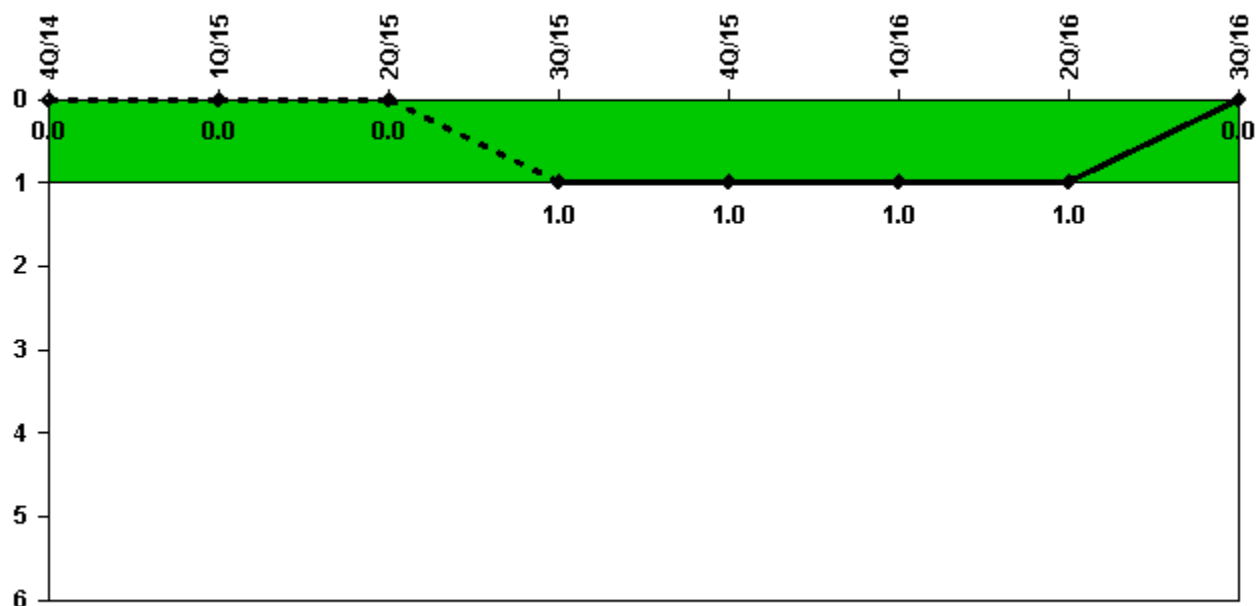
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	1777.4	1975.8	2146.8	2209.0	2183.0	2184.0	2208.0
<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



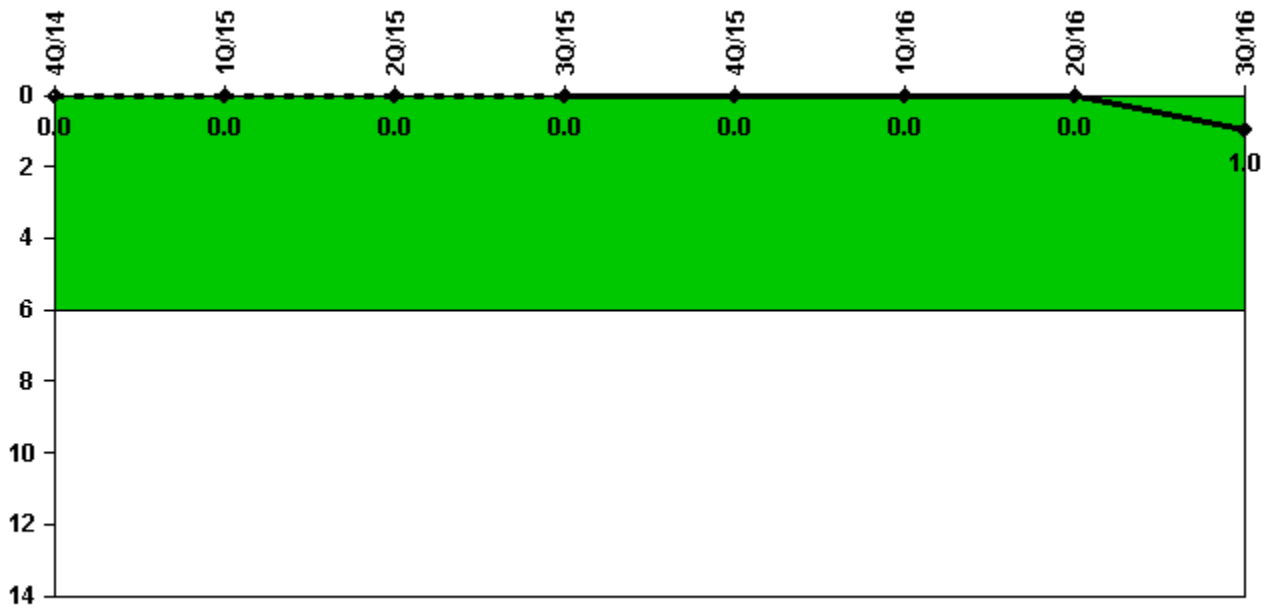
Thresholds: White > 1.0

#### Notes

Unplanned Scrams with Complications	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Scrams with complications	0	0	0	1.0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>0.0</b>

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

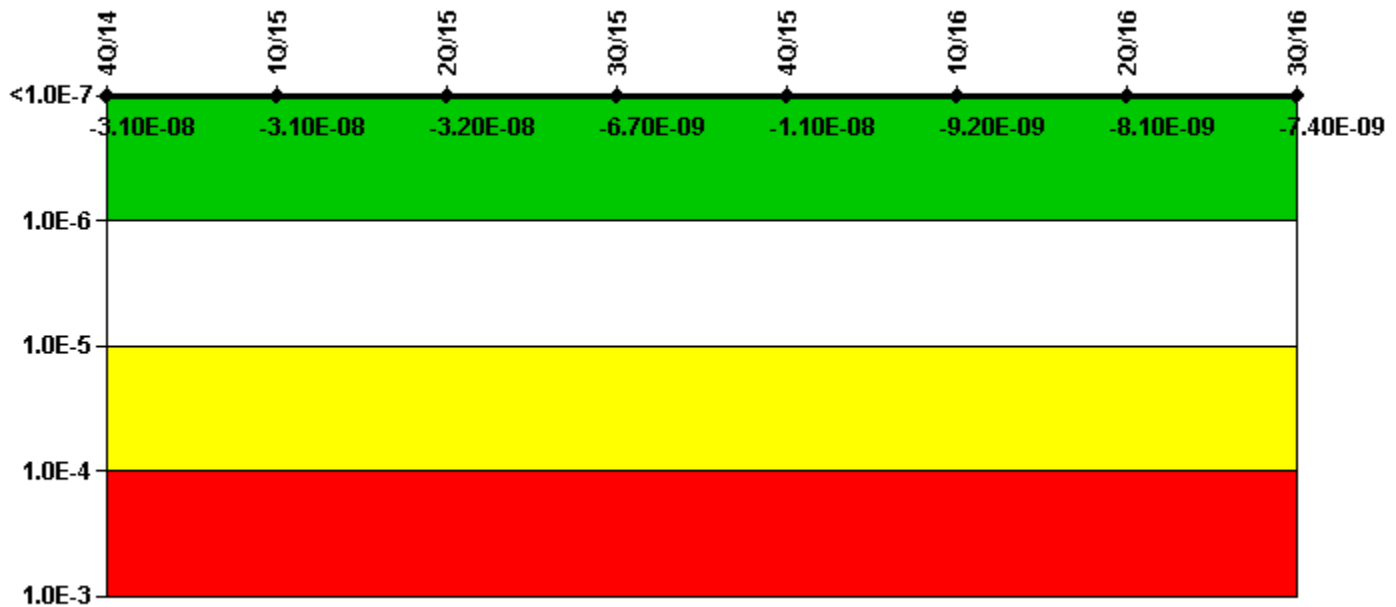
#### Notes

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

Licensee Comments:

3Q/16: LER 2016-002

### Mitigating Systems Performance Index, Emergency AC Power System



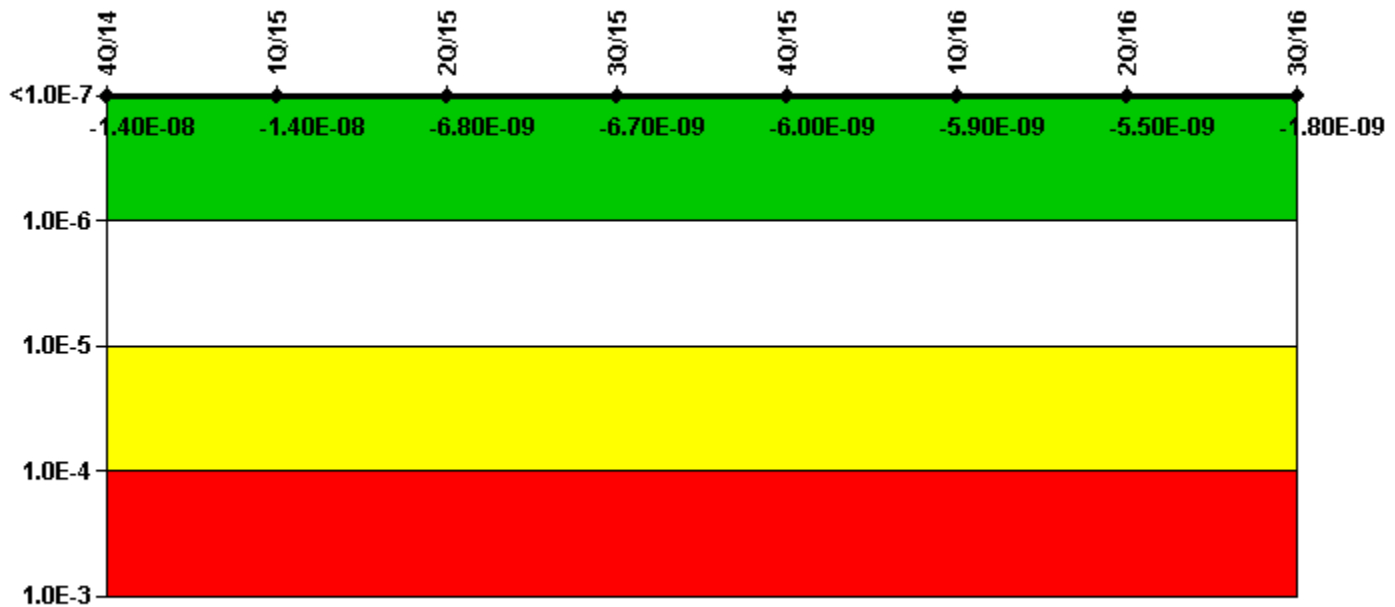
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	-5.87E-09	-5.87E-09	-5.87E-09	-4.29E-09	-4.31E-09	-2.34E-09	-2.43E-09	-2.44E-09
URI ( $\Delta$ CDF)	-2.52E-08	-2.55E-08	-2.57E-08	-2.40E-09	-6.45E-09	-6.84E-09	-5.71E-09	-4.96E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.10E-08	-3.10E-08	-3.20E-08	-6.70E-09	-1.10E-08	-9.20E-09	-8.10E-09	-7.40E-09

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	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	-1.13E-08	-1.13E-08	-1.09E-08	-1.09E-08	-1.09E-08	-1.09E-08	-1.09E-08	-8.12E-09
URI ( $\Delta$ CDF)	-2.49E-09	-2.47E-09	4.07E-09	4.19E-09	4.89E-09	4.95E-09	5.39E-09	6.28E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-08	-1.40E-08	-6.80E-09	-6.70E-09	-6.00E-09	-5.90E-09	-5.50E-09	-1.80E-09

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



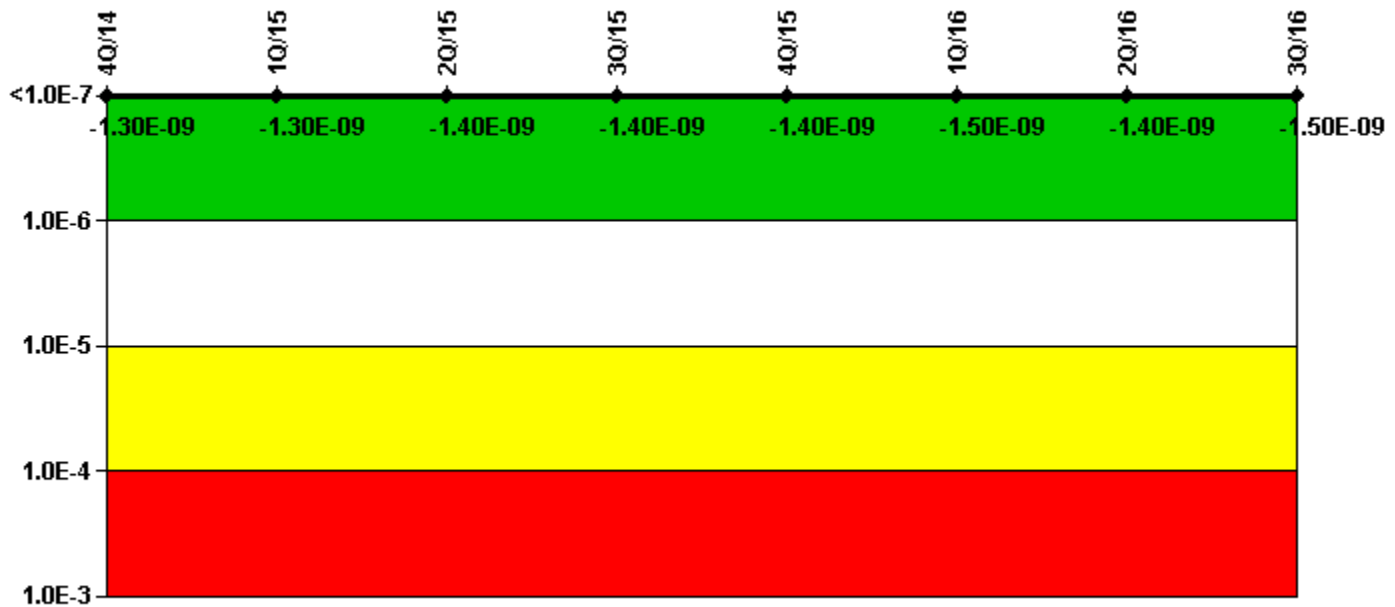
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	-1.24E-09	-1.24E-09	-1.24E-09	-1.24E-09	-1.24E-09	-1.24E-09	-1.24E-09	-1.24E-09
URI ( $\Delta$ CDF)	-4.66E-10	-4.69E-10	-4.86E-10	-4.92E-10	-4.80E-10	-4.77E-10	-4.21E-10	-4.21E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-09	-1.70E-09	-1.70E-09	-1.70E-09	-1.70E-09	-1.70E-09	-1.70E-09	-1.70E-09

Licensee Comments: none

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



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

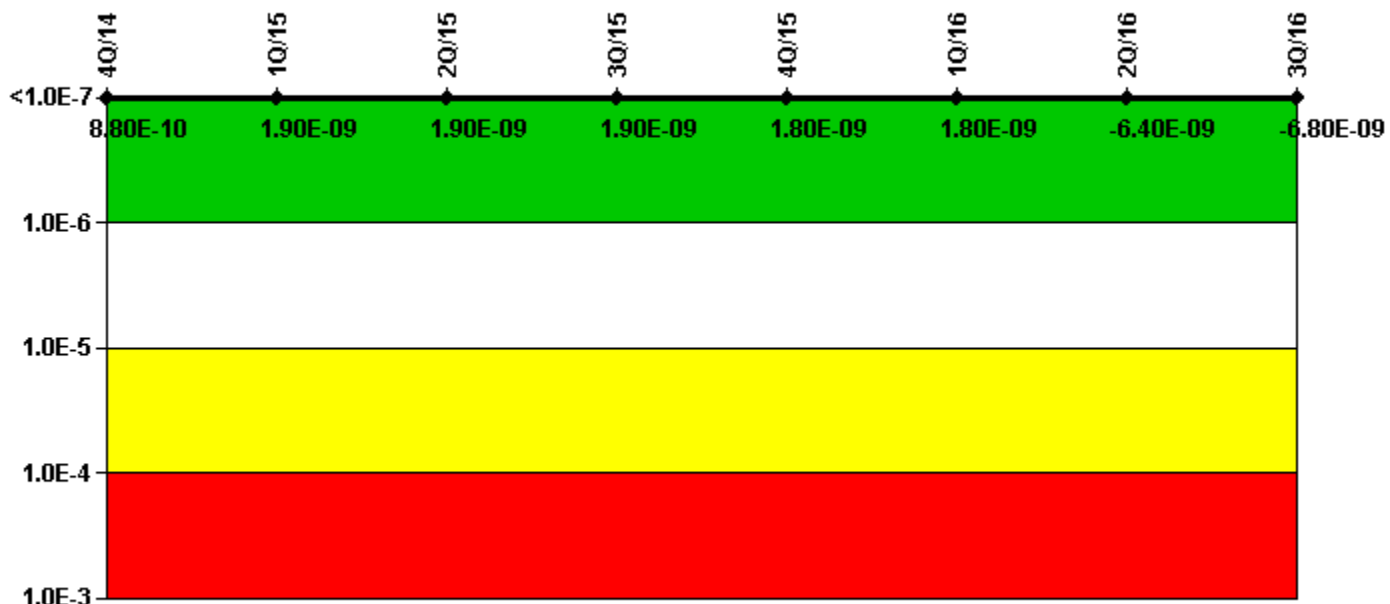
#### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	7.19E-11	7.45E-11	7.64E-11	7.54E-11	7.16E-11	7.14E-11	6.62E-11	6.57E-11
URI ( $\Delta$ CDF)	-1.41E-09	-1.38E-09	-1.47E-09	-1.49E-09	-1.52E-09	-1.53E-09	-1.50E-09	-1.52E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-09	-1.30E-09	-1.40E-09	-1.40E-09	-1.40E-09	-1.50E-09	-1.40E-09	-1.50E-09

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



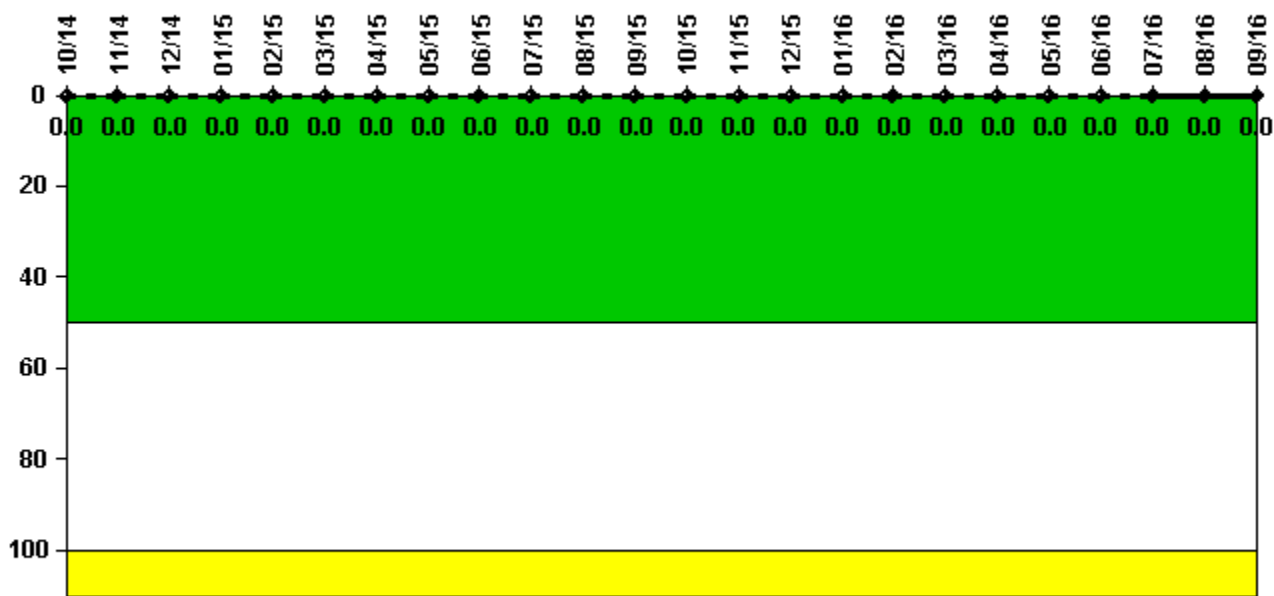
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI ( $\Delta$ CDF)	-1.43E-08	-1.41E-08	-1.41E-08	-1.41E-08	-1.42E-08	-1.42E-08	-1.53E-08	-1.53E-08
URI ( $\Delta$ CDF)	1.52E-08	1.60E-08	1.60E-08	1.60E-08	1.60E-08	1.60E-08	8.88E-09	8.47E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.80E-10	1.90E-09	1.90E-09	1.90E-09	1.80E-09	1.80E-09	6.40E-09	6.80E-09

Licensee Comments: none

### Reactor Coolant System Activity



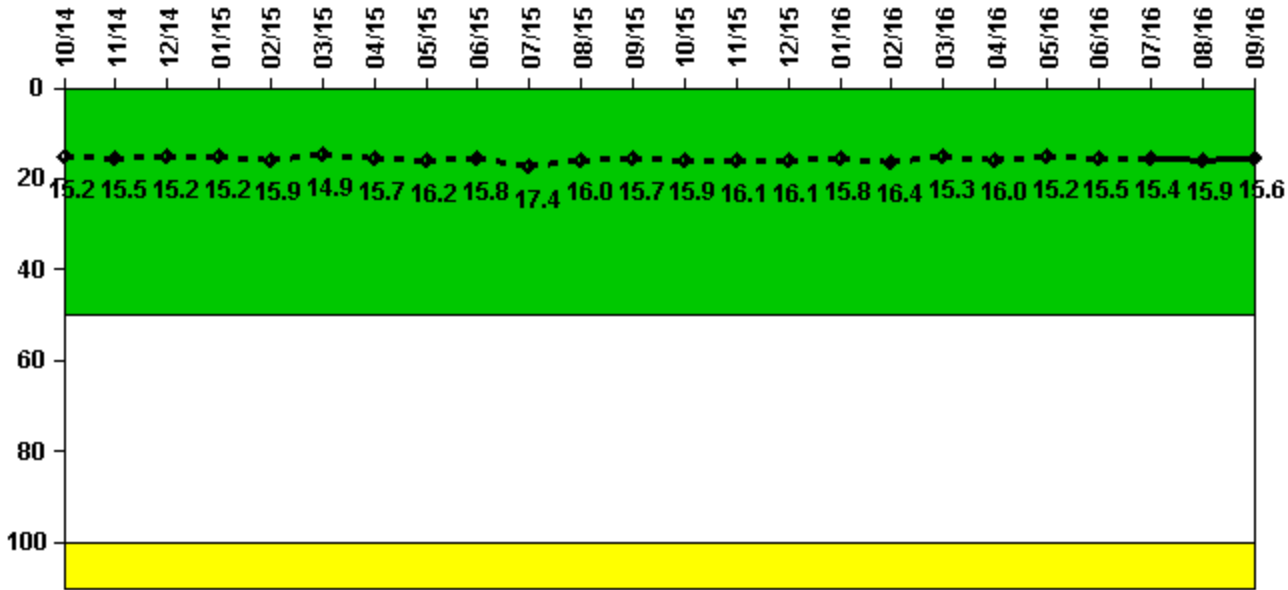
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum activity	0.000004	0.000004	0.000004	0.000004	0.000004	0.000004	0.000002	0.000003	0.000003	0.000004	0.000002	0.000002
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	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	0.000002	0.000002	0.000001	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000006	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

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

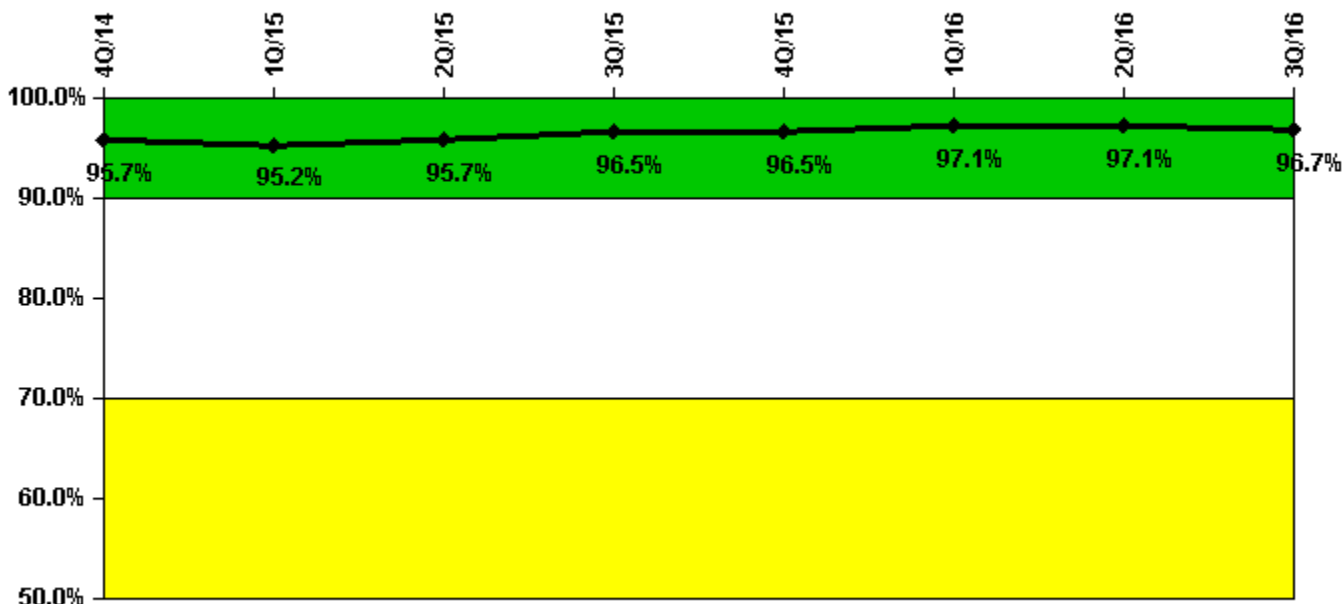
Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	3.799	3.874	3.800	3.792	3.966	3.717	3.931	4.049	3.942	4.340	4.002	3.920
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	15.2	15.5	15.2	15.2	15.9	14.9	15.7	16.2	15.8	17.4	16.0	15.7

Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	3.978	4.018	4.022	3.946	4.106	3.820	3.996	3.797	3.868	3.851	3.966	3.912
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	15.9	16.1	16.1	15.8	16.4	15.3	16.0	15.2	15.5	15.4	15.9	15.6

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

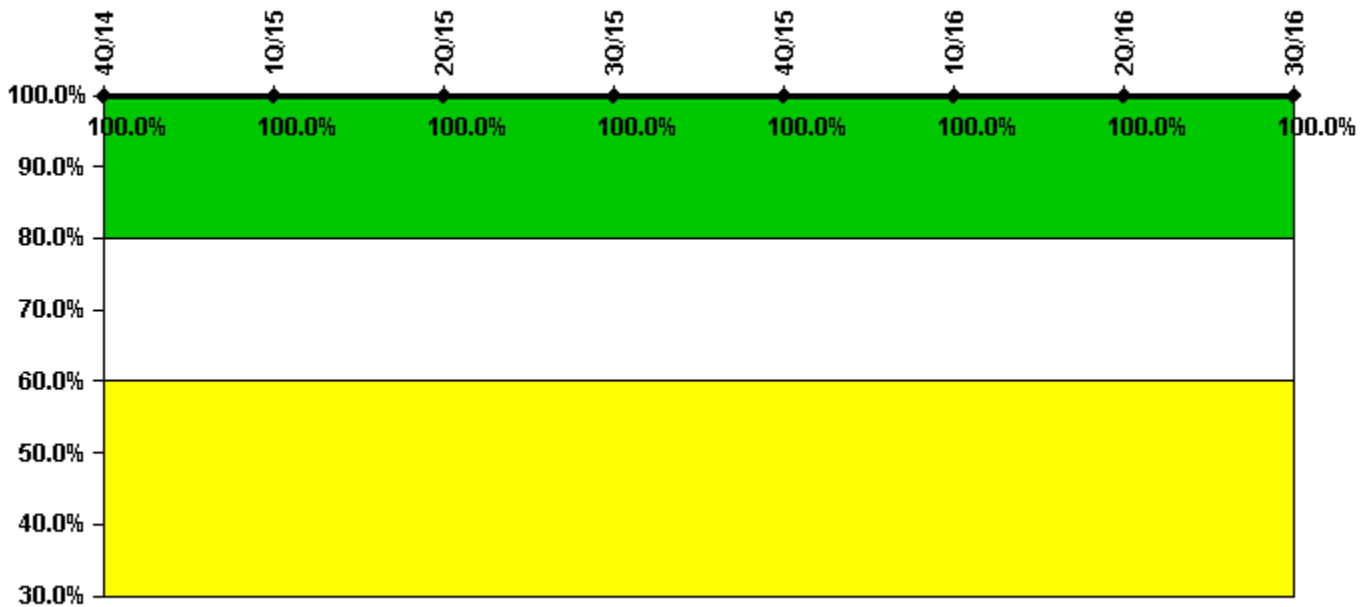
#### Notes

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	50.0	90.0	0	25.0	54.0	38.0	14.0	51.0
Total opportunities	54.0	95.0	0	25.0	55.0	38.0	14.0	52.0
Indicator value	95.7%	95.2%	95.7%	96.5%	96.5%	97.1%	97.1%	96.7%

#### Licensee Comments:

4Q/14: Change reflects a correction to the Drill and Exercise Performance. The number of drill, exercise and actual event opportunities during December was changed from 12 to 14. The number performed successfully was changed from 10 to 12. The changes have no impact on the color of the indicator.

### ERO Drill Participation



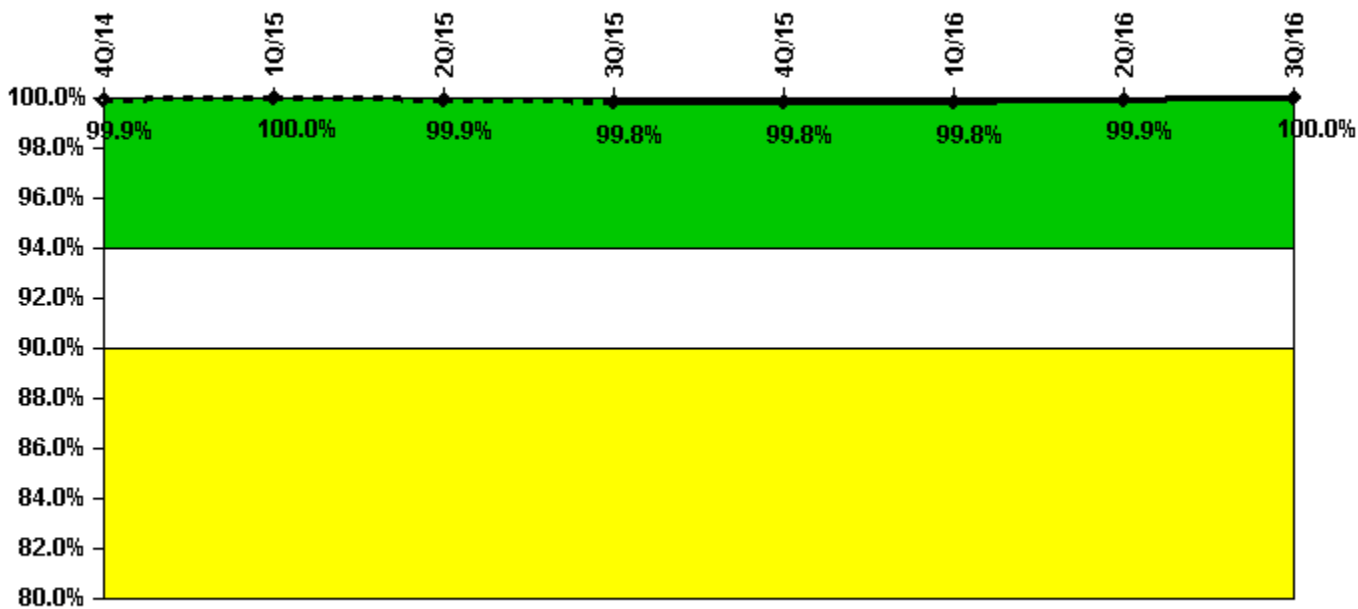
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	79.0	80.0	78.0	82.0	83.0	82.0	85.0	92.0
Total Key personnel	79.0	80.0	78.0	82.0	83.0	82.0	85.0	92.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



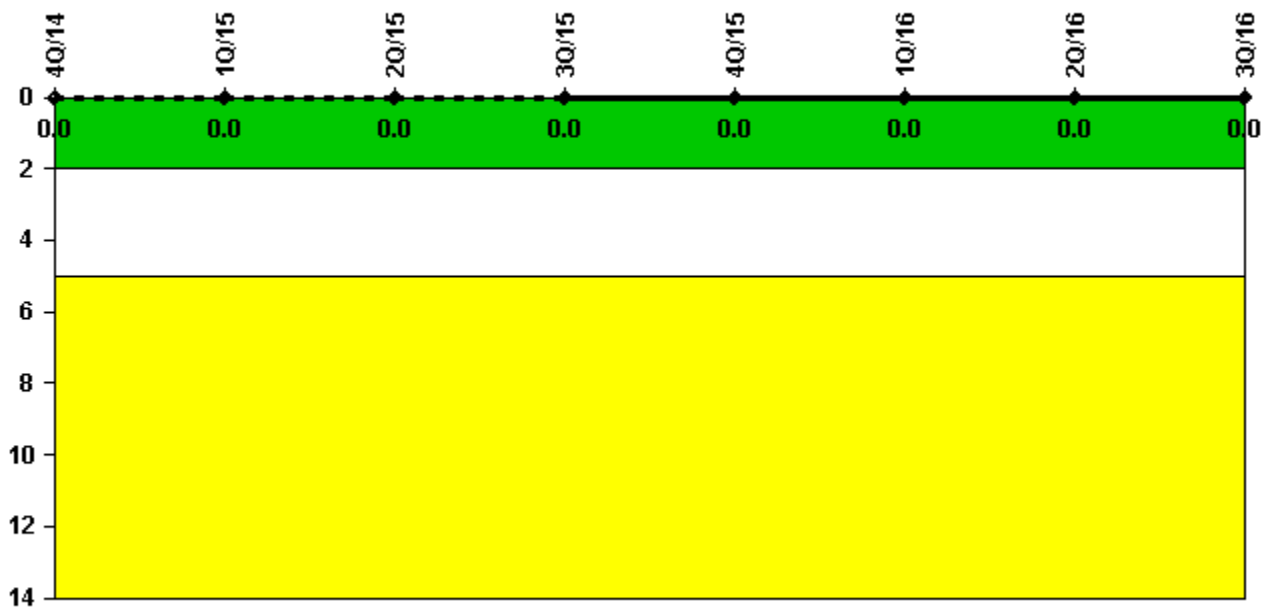
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	296	259	258	258	296	348	520	520
Total sirens-tests	296	259	259	259	296	348	520	520
Indicator value	99.9%	100.0%	99.9%	99.8%	99.8%	99.8%	99.9%	100.0%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



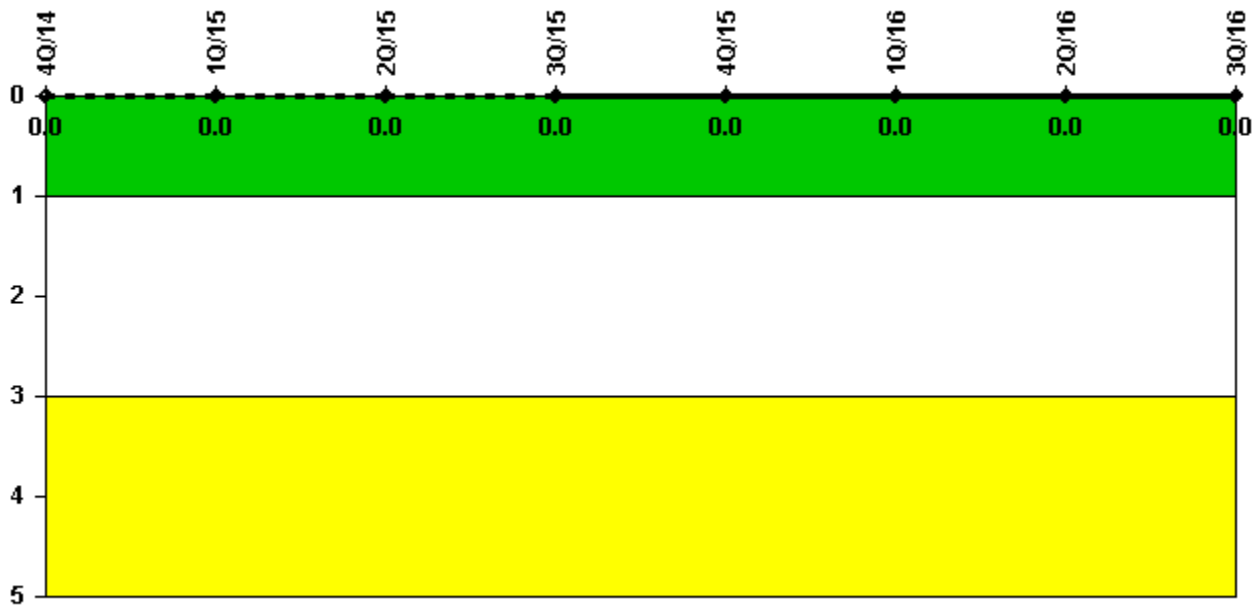
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
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	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/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: October 23, 2016*