

## Watts Bar 2

### 1Q/2016 Performance Indicators

*Watts Bar 2 is undergoing initial startup. The initiating events, mitigating systems, and barrier integrity cornerstone performance indicators are not yet being monitored.*

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Unplanned Scrams per 7000 Critical Hrs**



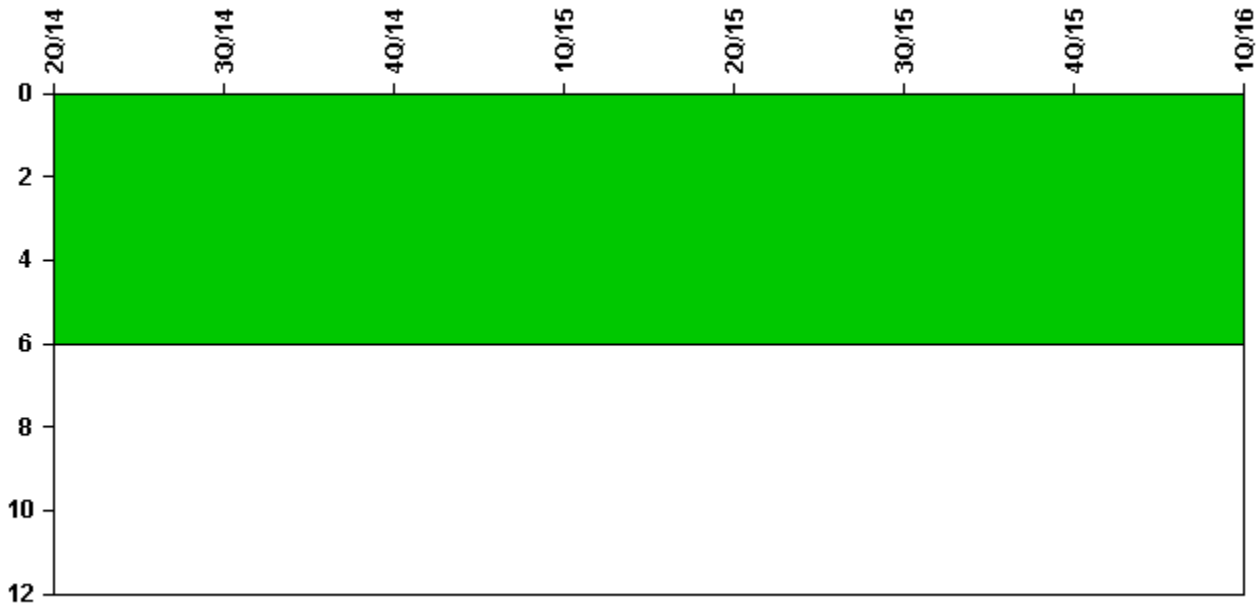
**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

**Notes**

Unplanned Scrams per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned scrams								
Critical hours								
<b>Indicator value</b>								

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



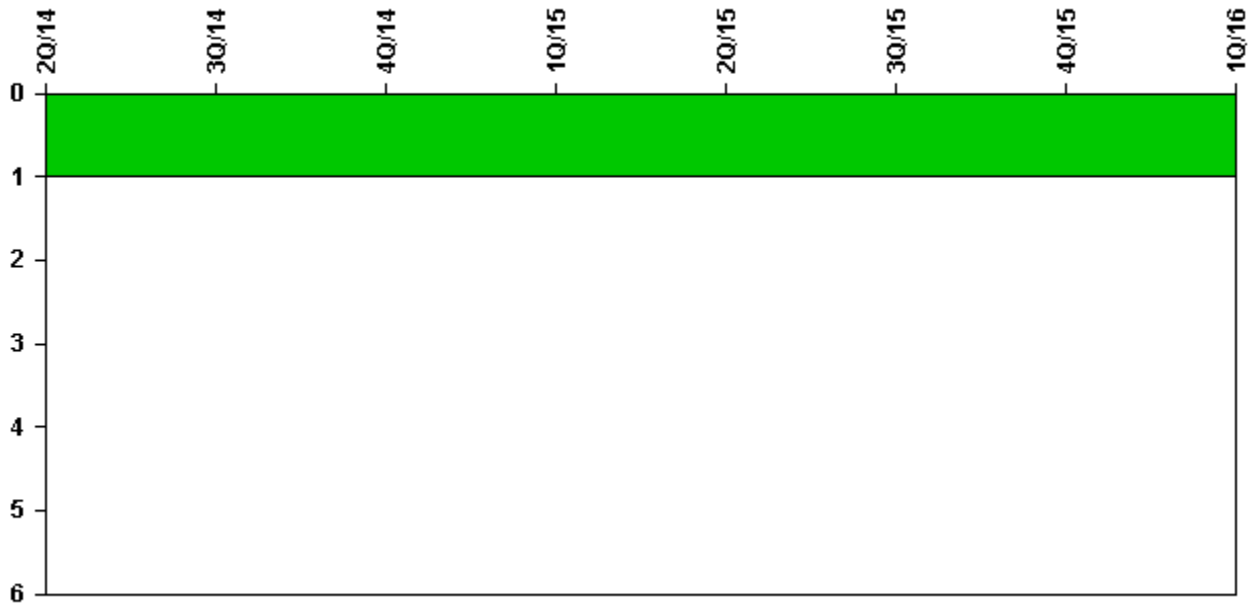
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes								
Critical hours								
Indicator value								

Licensee Comments: none

### Unplanned Scrams with Complications



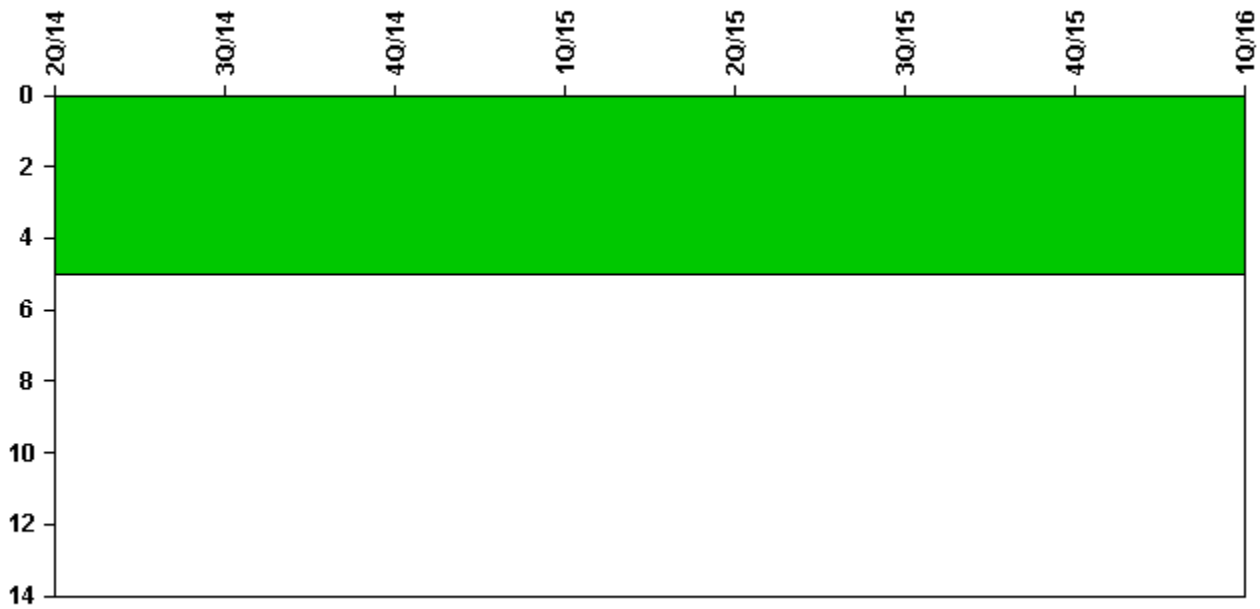
Thresholds: White > 1.0

#### Notes

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

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

#### Notes

Safety System Functional Failures (PWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures								
Indicator value								

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	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)								
URI ( $\Delta$ CDF)								
PLE								
Indicator value								

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	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)								
URI ( $\Delta$ CDF)								
PLE								
Indicator value								

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



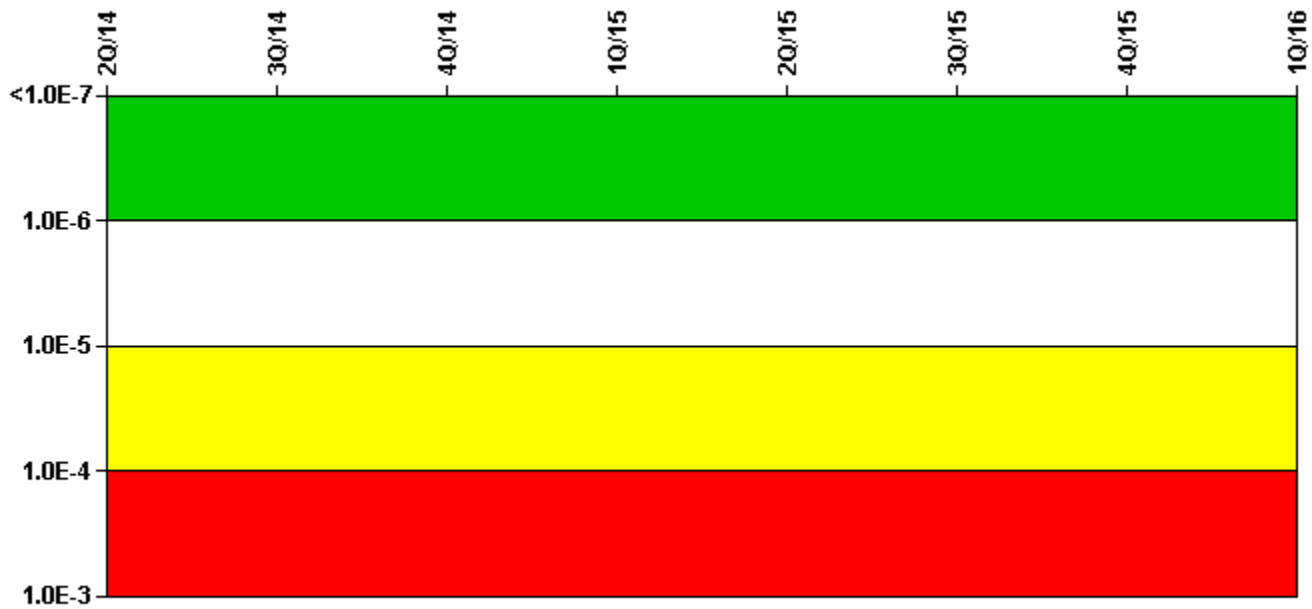
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)								
URI ( $\Delta$ CDF)								
PLE								
Indicator value								

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	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)								
URI ( $\Delta$ CDF)								
PLE								
Indicator value								

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



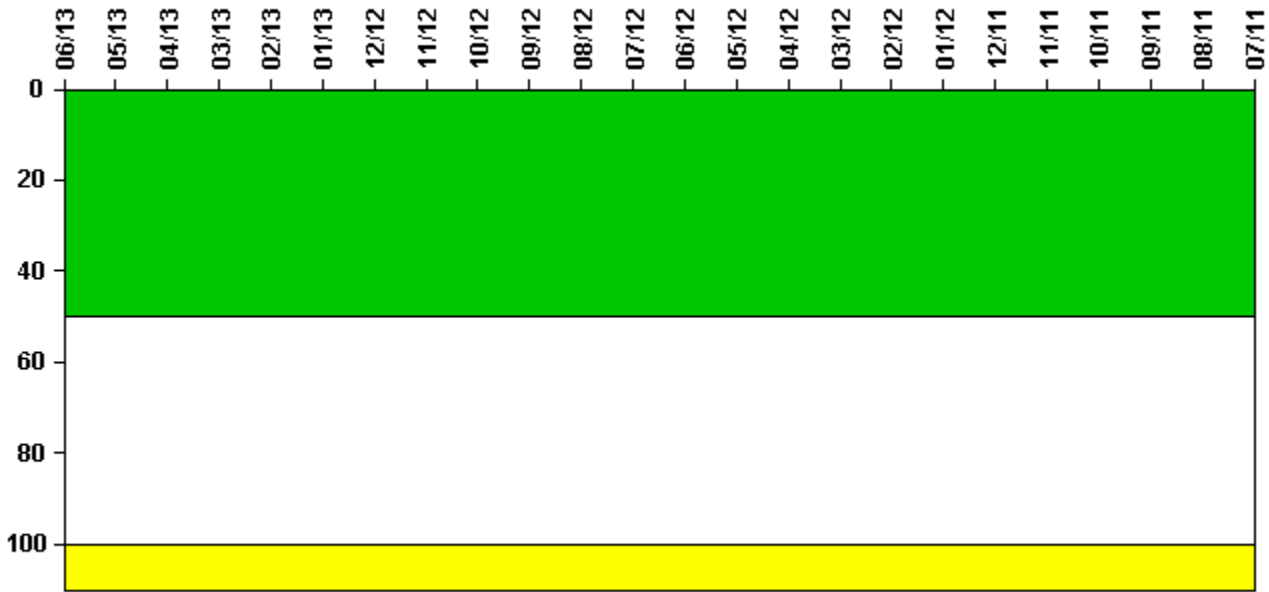
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI ( $\Delta$ CDF)								
URI ( $\Delta$ CDF)								
PLE								
Indicator value								

Licensee Comments: none

### Reactor Coolant System Activity



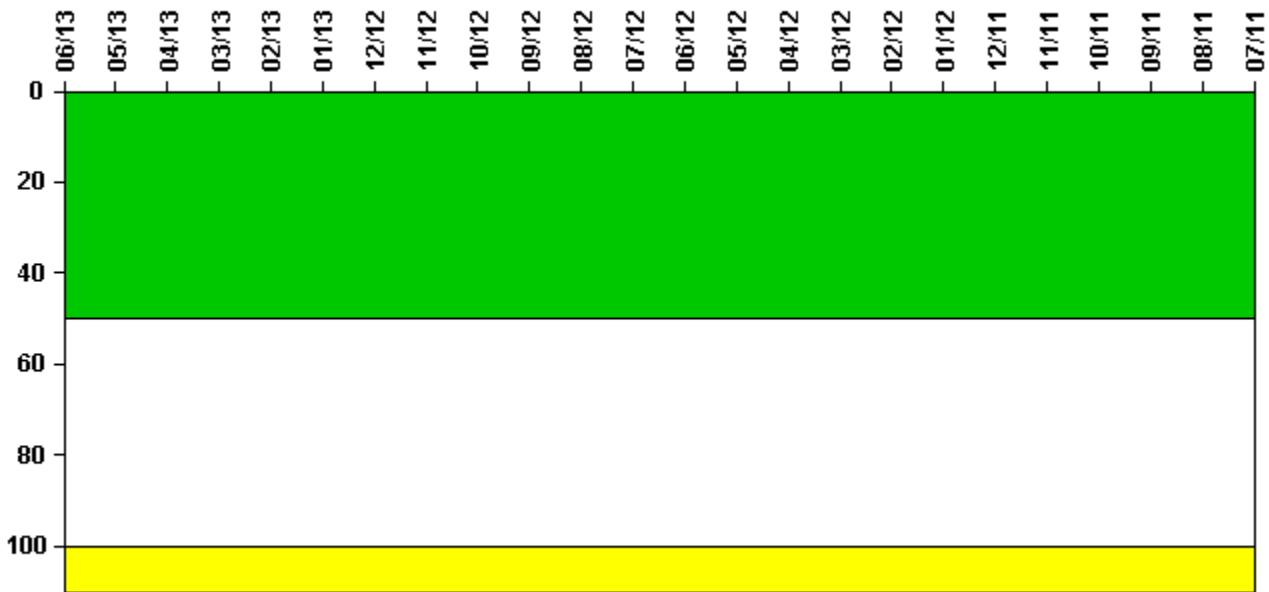
**Thresholds: White > 50.0 Yellow > 100.0**

**Notes**

Reactor Coolant System Activity	6/13	5/13	4/13	3/13	2/13	1/13	12/12	11/12	10/12	9/12	8/12	7/12
Maximum activity												
Technical specification limit												
<b>Indicator value</b>												
Reactor Coolant System Activity	6/12	5/12	4/12	3/12	2/12	1/12	12/11	11/11	10/11	9/11	8/11	7/11
Maximum activity												
Technical specification limit												
<b>Indicator value</b>												

Licensee Comments: none

### Reactor Coolant System Leakage



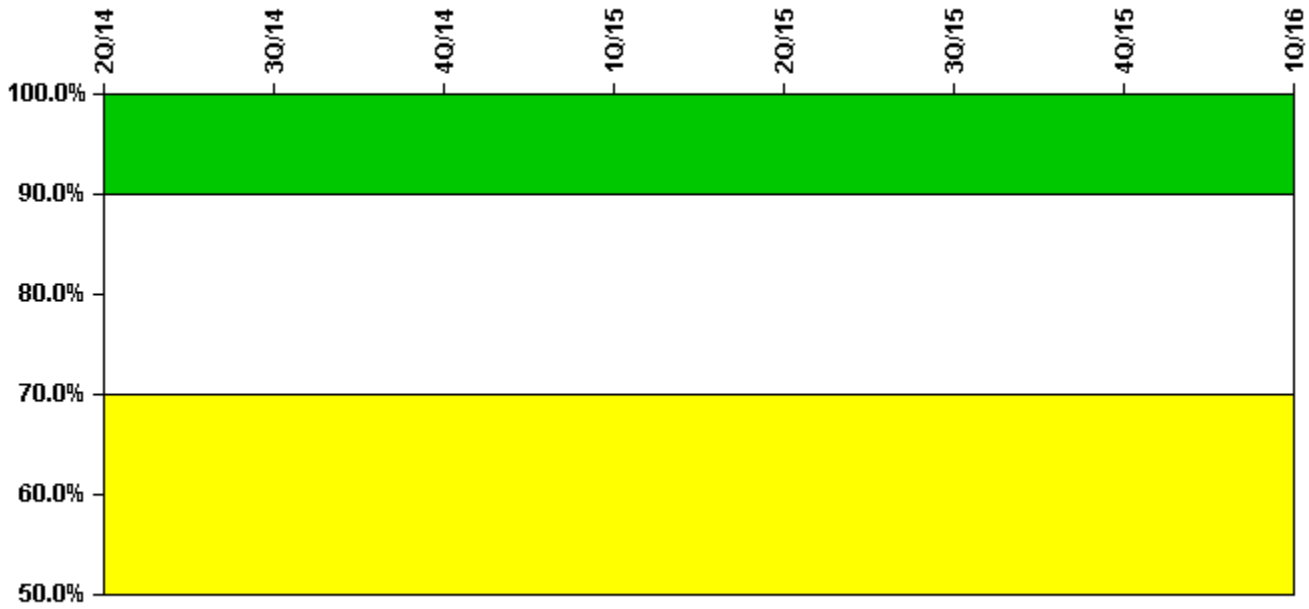
**Thresholds: White > 50.0 Yellow > 100.0**

**Notes**

<b>Reactor Coolant System Leakage</b>	<b>6/13</b>	<b>5/13</b>	<b>4/13</b>	<b>3/13</b>	<b>2/13</b>	<b>1/13</b>	<b>12/12</b>	<b>11/12</b>	<b>10/12</b>	<b>9/12</b>	<b>8/12</b>	<b>7/12</b>
Maximum leakage												
Technical specification limit												
<b>Indicator value</b>												
<b>Reactor Coolant System Leakage</b>	<b>6/12</b>	<b>5/12</b>	<b>4/12</b>	<b>3/12</b>	<b>2/12</b>	<b>1/12</b>	<b>12/11</b>	<b>11/11</b>	<b>10/11</b>	<b>9/11</b>	<b>8/11</b>	<b>7/11</b>
Maximum leakage												
Technical specification limit												
<b>Indicator value</b>												

Licensee Comments: none

### Drill/Exercise Performance



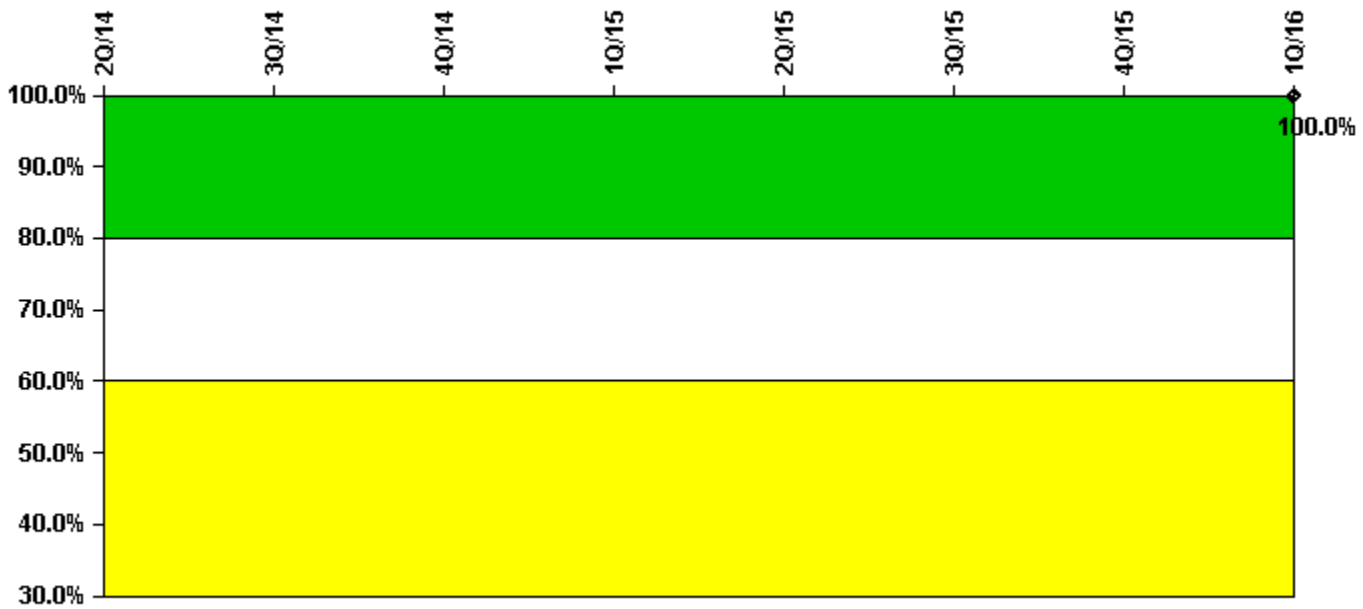
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful opportunities								34.0
Total opportunities								36.0
Indicator value								

Licensee Comments: none

### ERO Drill Participation



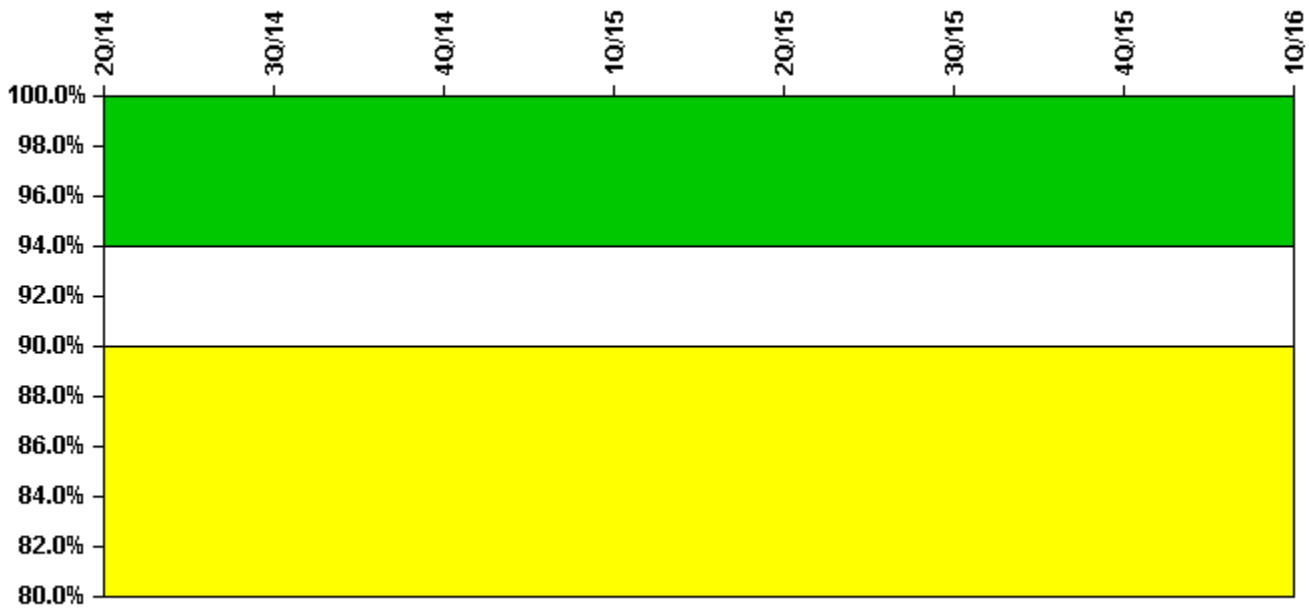
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Participating Key personnel								74.0
Total Key personnel								74.0
<b>Indicator value</b>								<b>100.0%</b>

Licensee Comments: none

### Alert & Notification System



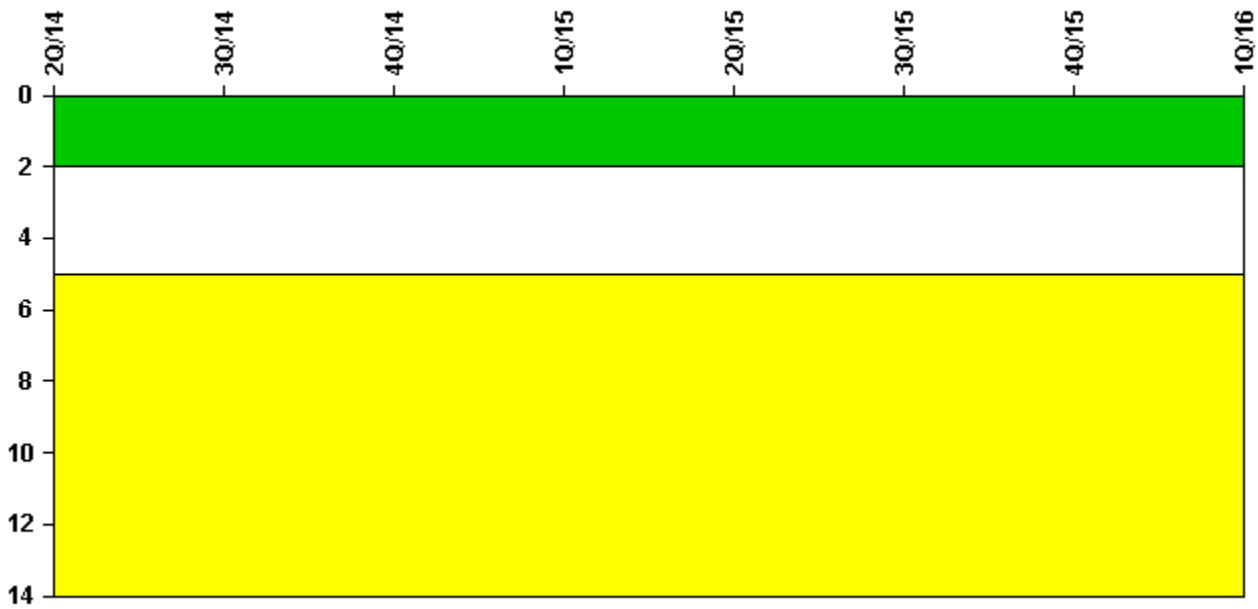
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests								906
Total sirens-tests								909
Indicator value								

Licensee Comments: none

### Occupational Exposure Control Effectiveness



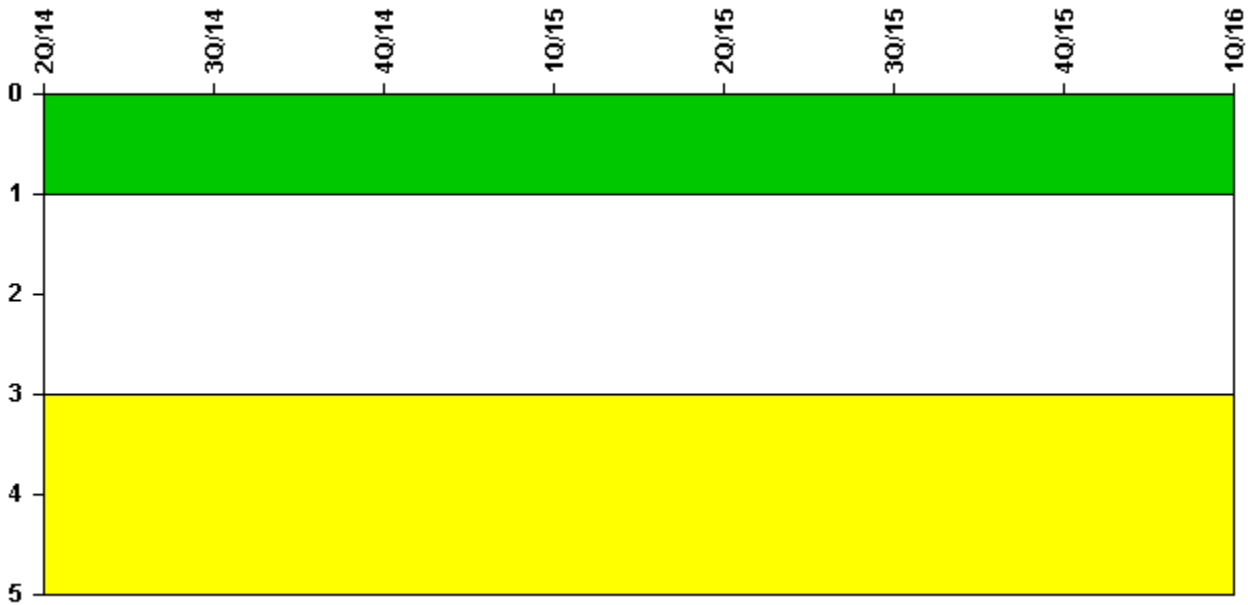
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
High radiation area occurrences								0
Very high radiation area occurrences								0
Unintended exposure occurrences								0
<b>Indicator value</b>								

Licensee Comments: none

### RETS/ODCM Radiological Effluent



**Thresholds: White > 1.0 Yellow > 3.0**

**Notes**

RETS/ODCM Radiological Effluent	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
RETS/ODCM occurrences								0
<b>Indicator value</b>								

Licensee Comments: none

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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.

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

*Last Modified: April 24, 2016*