

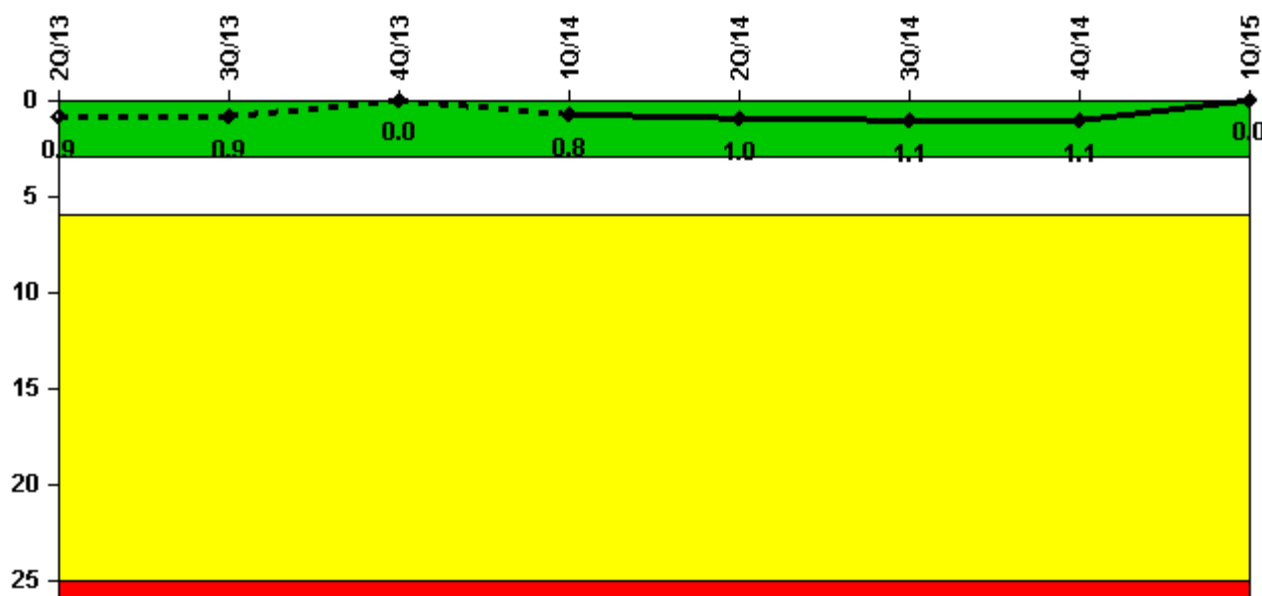
## Salem 2

### 1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



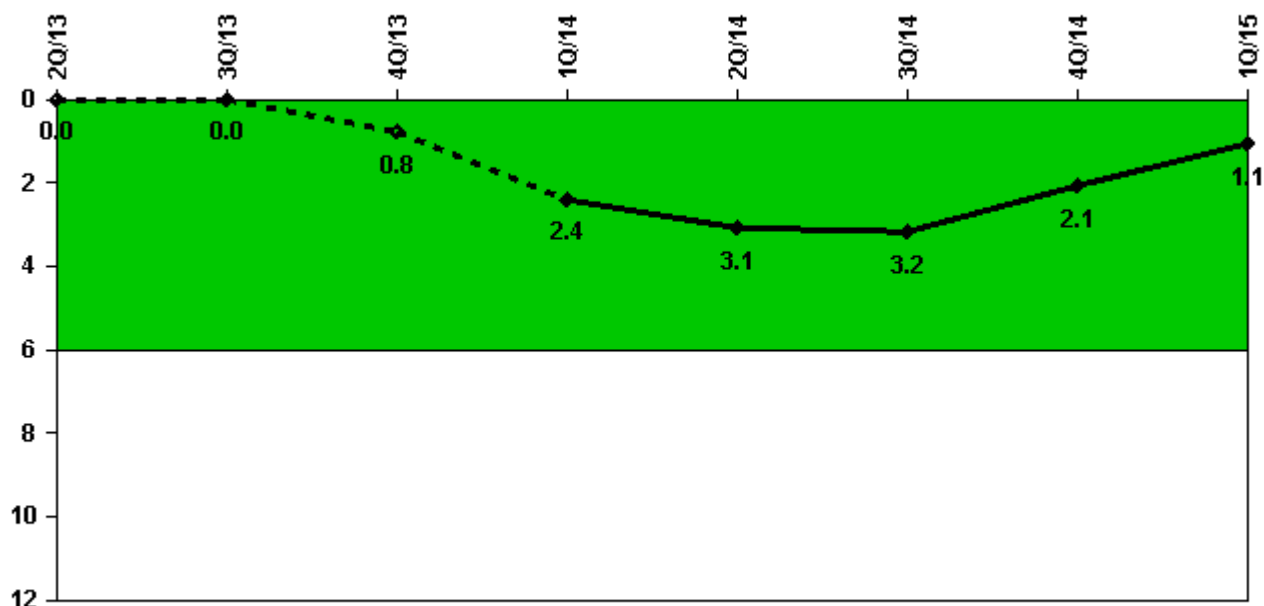
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2121.9	284.0	1913.8	2209.0	2159.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.9</b>	<b>0</b>	<b>0.8</b>	<b>1.0</b>	<b>1.1</b>	<b>1.1</b>	<b>0</b>

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

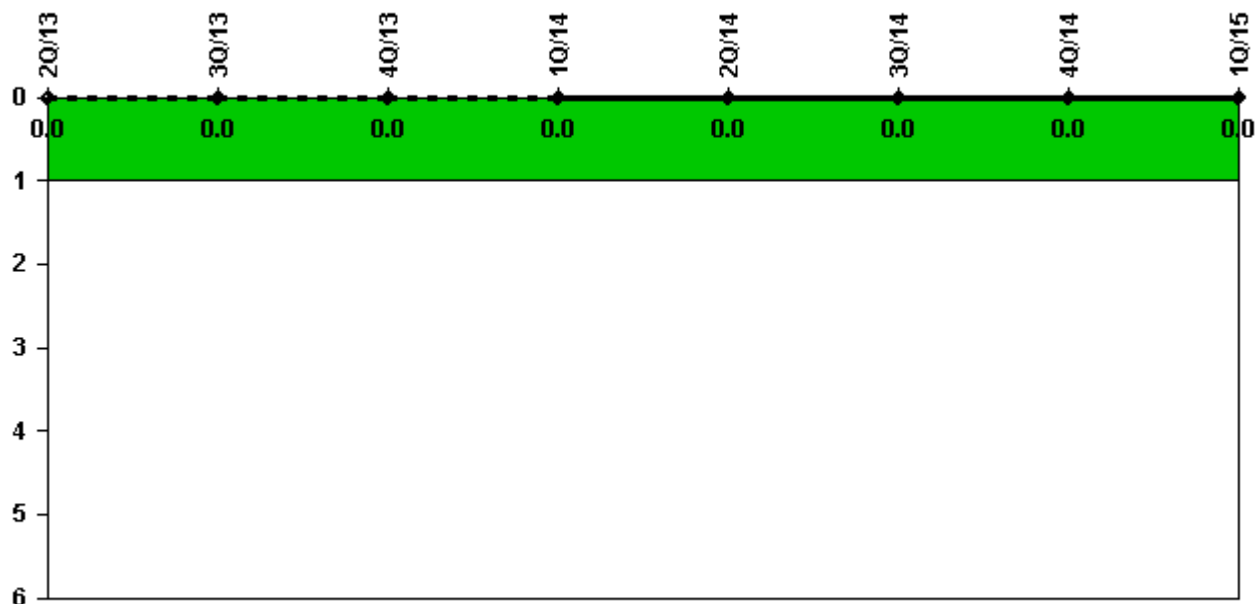
#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	0	1.0	2.0	0	0	0	1.0
Critical hours	2184.0	2208.0	2209.0	2121.9	284.0	1913.8	2209.0	2159.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>2.4</b>	<b>3.1</b>	<b>3.2</b>	<b>2.1</b>	<b>1.1</b>

Licensee Comments:

1Q/14: NRC granted a NOED during the quarter (Feb 2014), which if not granted, may have resulted in an unplanned power change.

### Unplanned Scrams with Complications



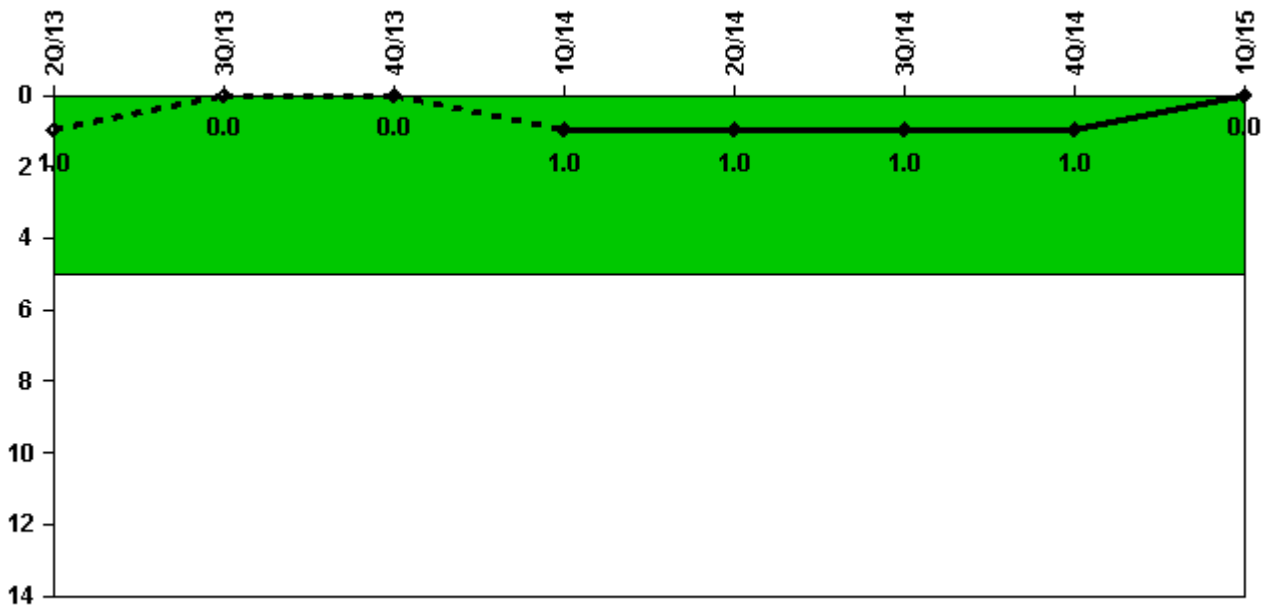
Thresholds: White > 1.0

#### Notes

Unplanned Scrams with Complications	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/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

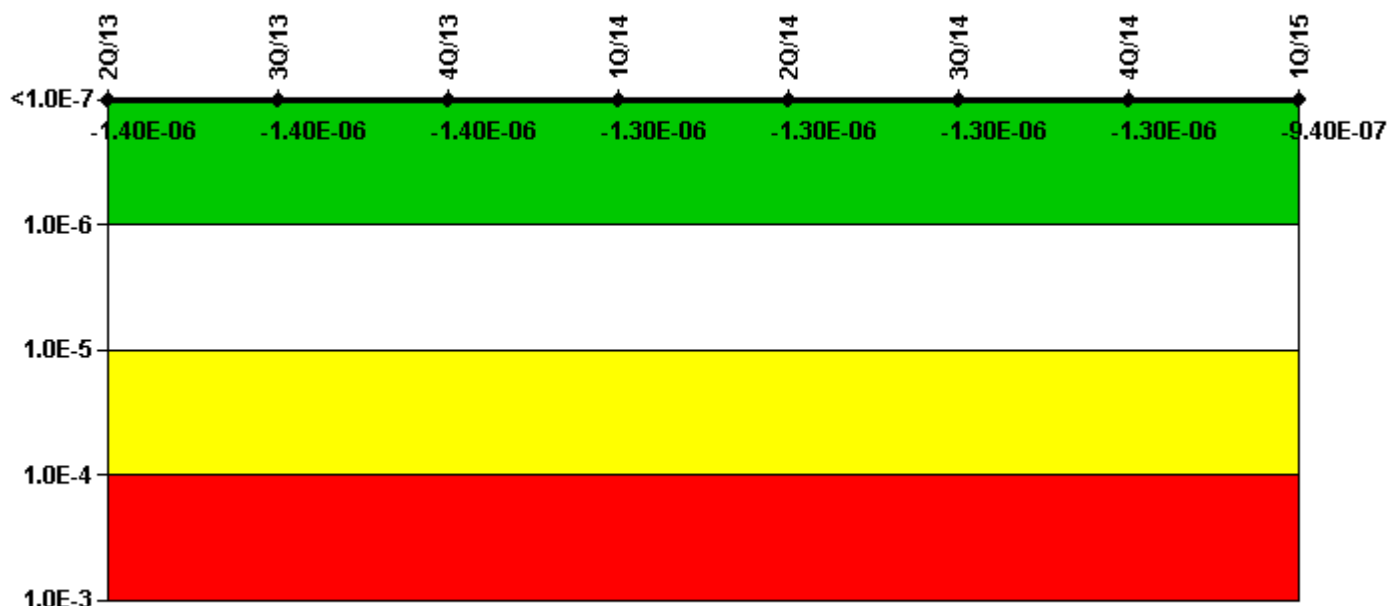
#### Notes

Safety System Functional Failures (PWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	0	0	0	1	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>

Licensee Comments:

1Q/14: LER 272/2014-001-00.

### 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/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	-1.62E-07	-1.62E-07	-1.62E-07	-1.62E-07	-1.62E-07	-1.62E-07	-1.62E-07	-1.66E-07
URI ( $\Delta$ CDF)	-1.25E-06	-1.24E-06	-1.23E-06	-1.12E-06	-1.17E-06	-1.15E-06	-1.13E-06	-7.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-06	-1.40E-06	-1.40E-06	-1.30E-06	-1.30E-06	-1.30E-06	-1.30E-06	-9.40E-07

#### Licensee Comments:

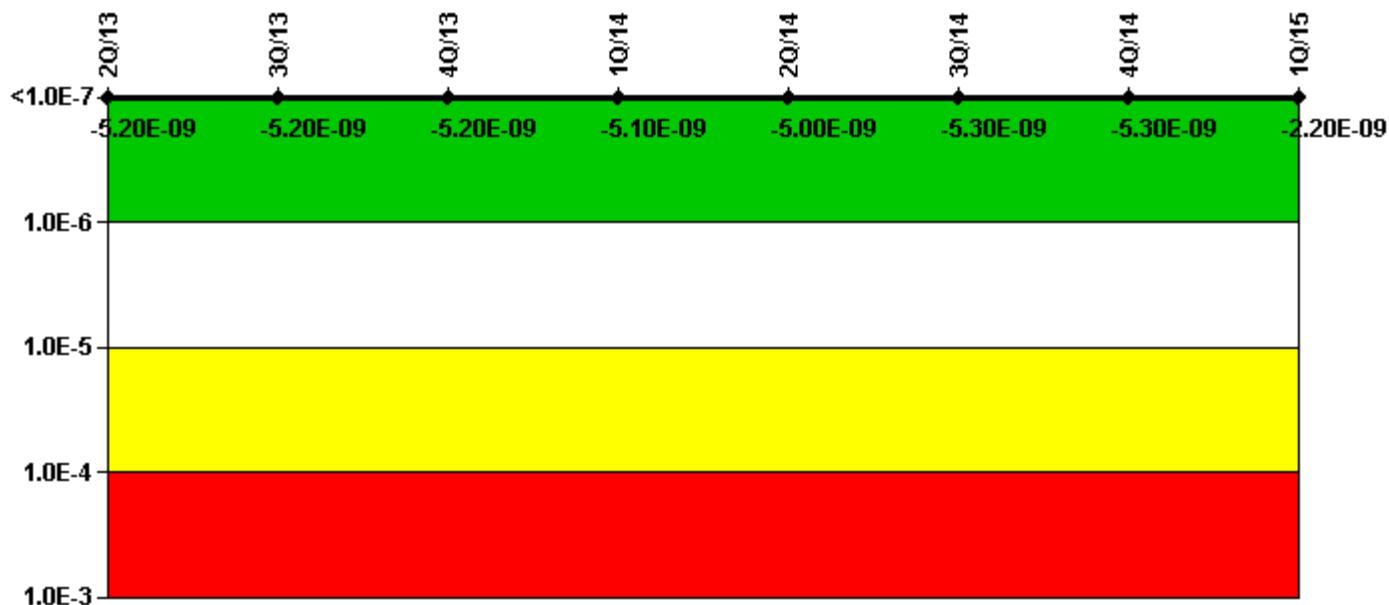
1Q/15: Changed PRA Parameter(s). Revised MSPI basis data due to incorrect accounting of post maintenance testing

4Q/14: Changed PRA Parameter(s).

1Q/14: Hours counted due to 2B EDG K1C discovered condition. Hours were originally under "Unplanned". Review of NEI 99-02 considers this "Planned": "electively removed from service to correct a degraded condition that had not resulted in loss of function.

1Q/14: Hours counted due to 2B EDG K1C discovered condition. Hours were originally under "Unplanned". Review of NEI 99-02 considers this "Planned": "electively removed from service to correct a degraded condition that had not resulted in loss of function.

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



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

#### Notes

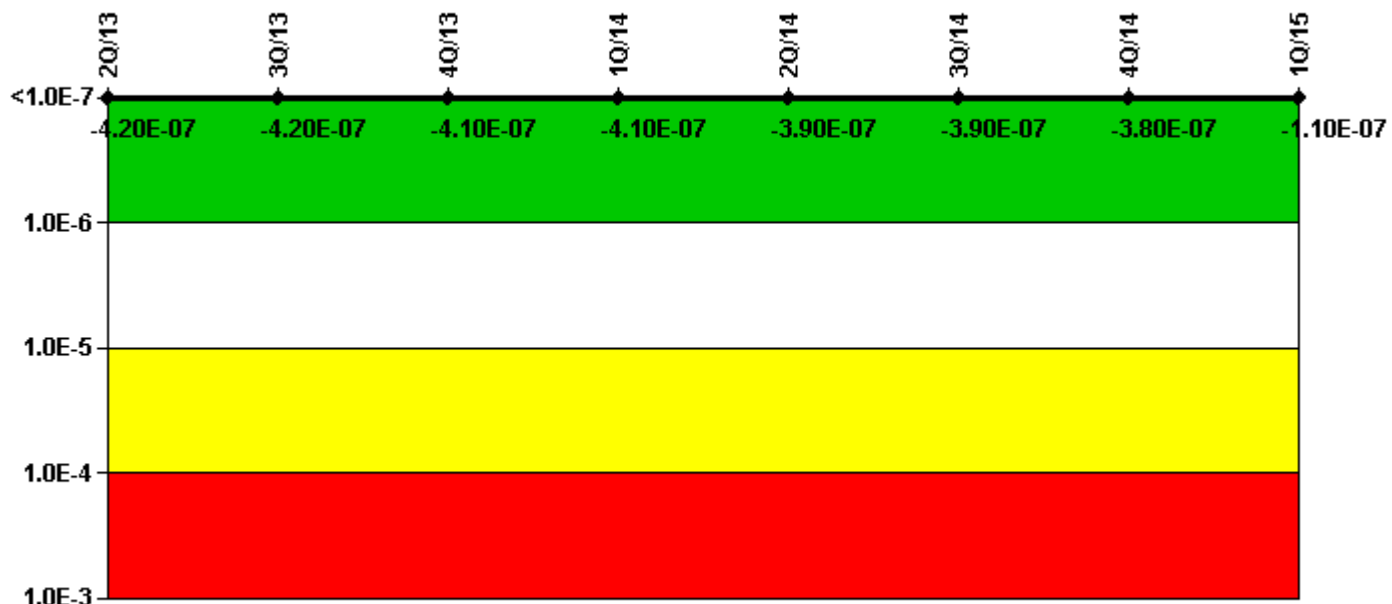
Mitigating Systems Performance Index, High Pressure Injection System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	-6.19E-10	-5.76E-10	-5.77E-10	-4.93E-10	-4.67E-10	-7.22E-10	-7.22E-10	-5.15E-10
URI ( $\Delta$ CDF)	-4.61E-09	-4.60E-09	-4.59E-09	-4.59E-09	-4.57E-09	-4.56E-09	-4.55E-09	-1.70E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.20E-09	-5.20E-09	-5.20E-09	-5.10E-09	-5.00E-09	-5.30E-09	-5.30E-09	-2.20E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

### Mitigating Systems Performance Index, Heat Removal System



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

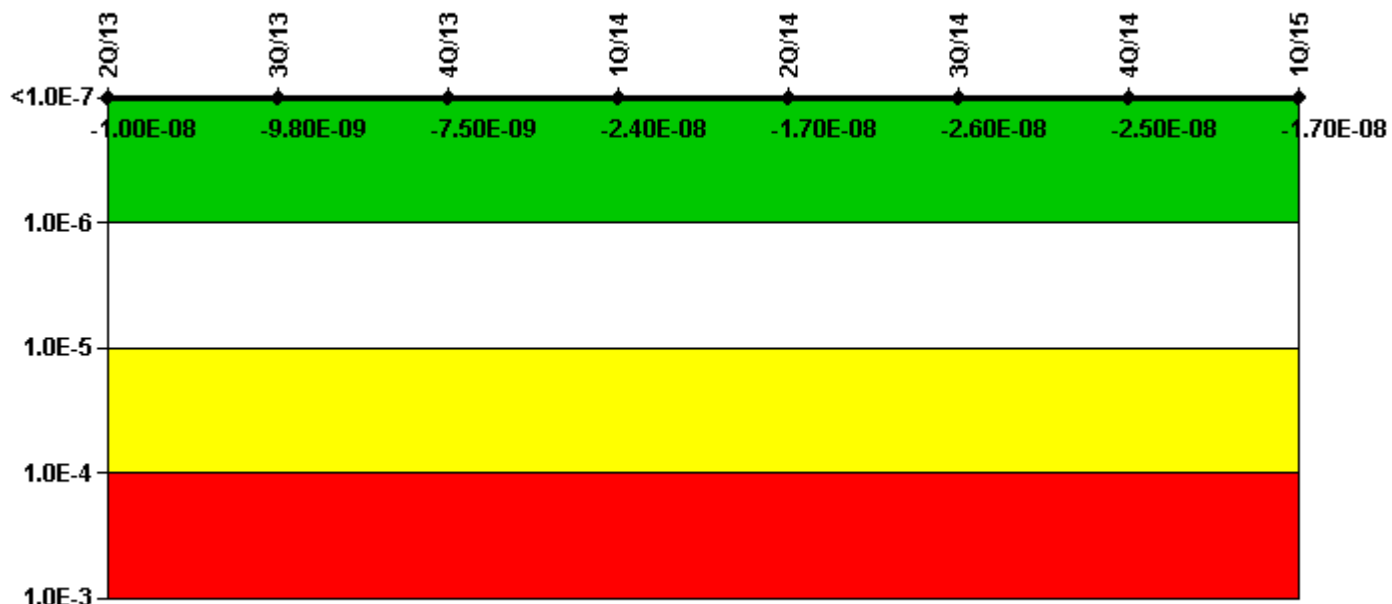
#### Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	-6.21E-08	-6.21E-08	-6.21E-08	-6.21E-08	-6.21E-08	-6.21E-08	-6.21E-08	-1.72E-08
URI ( $\Delta$ CDF)	-3.62E-07	-3.62E-07	-3.51E-07	-3.44E-07	-3.31E-07	-3.27E-07	-3.18E-07	-9.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-07	-4.20E-07	-4.10E-07	-4.10E-07	-3.90E-07	-3.90E-07	-3.80E-07	-1.10E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

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



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

#### Notes

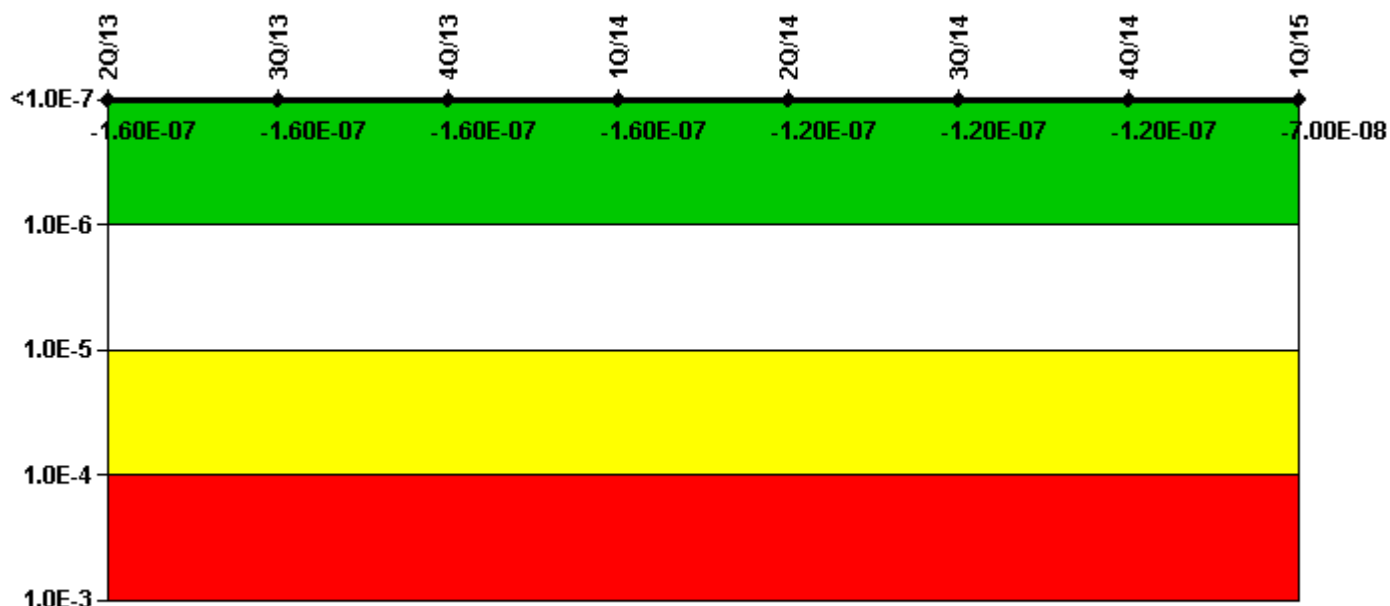
Mitigating Systems Performance Index, Residual Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	4.70E-08	4.70E-08	4.97E-08	3.31E-08	3.86E-08	3.10E-08	3.24E-08	1.56E-09
URI ( $\Delta$ CDF)	-5.72E-08	-5.67E-08	-5.72E-08	-5.72E-08	-5.53E-08	-5.69E-08	-5.74E-08	-1.81E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-08	-9.80E-09	-7.50E-09	-2.40E-08	-1.70E-08	-2.60E-08	-2.50E-08	-1.70E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).



### Mitigating Systems Performance Index, Cooling Water Systems



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

#### Notes

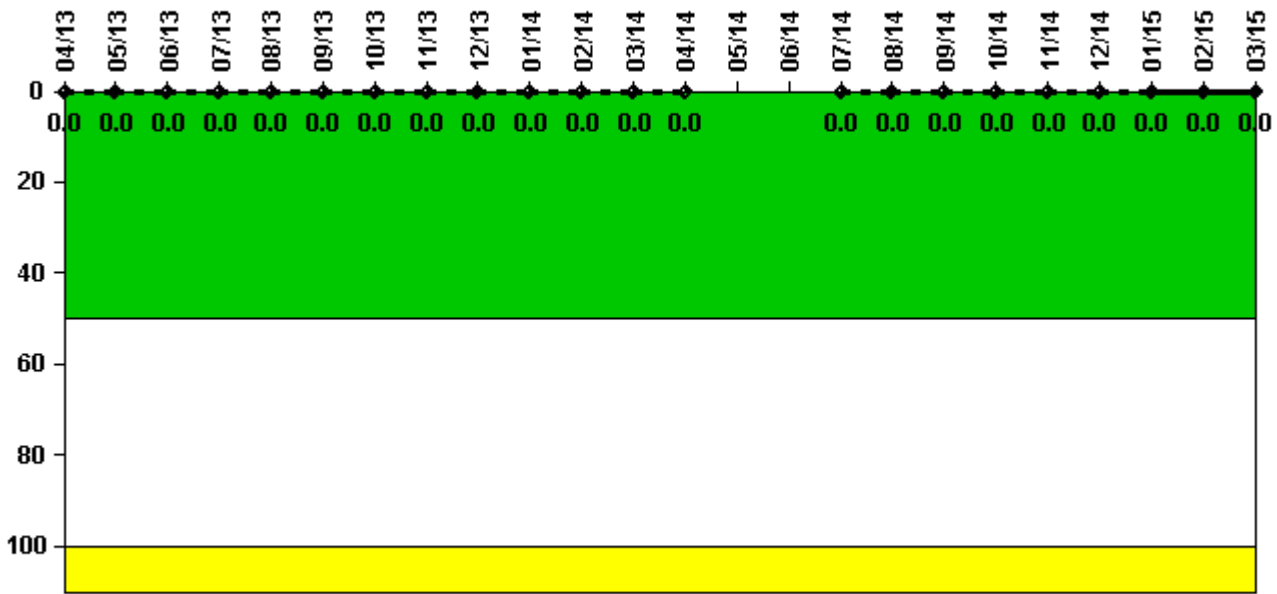
Mitigating Systems Performance Index, Cooling Water Systems	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI ( $\Delta$ CDF)	-1.45E-07	-1.45E-07	-1.45E-07	-1.45E-07	-1.45E-07	-1.45E-07	-1.45E-07	-6.87E-08
URI ( $\Delta$ CDF)	-1.73E-08	-1.73E-08	-1.73E-08	-1.73E-08	2.27E-08	2.27E-08	2.27E-08	-1.19E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.20E-07	-1.20E-07	-1.20E-07	-7.00E-08

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

2Q/14: 21SW127 failed to automatically respond to any signal (cascade, manual, auto). This condition was not identified during or prior to post-maintenance testing (PMT) and was therefore unable to be corrected prior to being returned to operable status.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	0.000088	0.000205	0.000209	0.000194	0.000220	0.000204	0.000198	0.000239	0.000117	0.000211	0.000123	0.000373
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

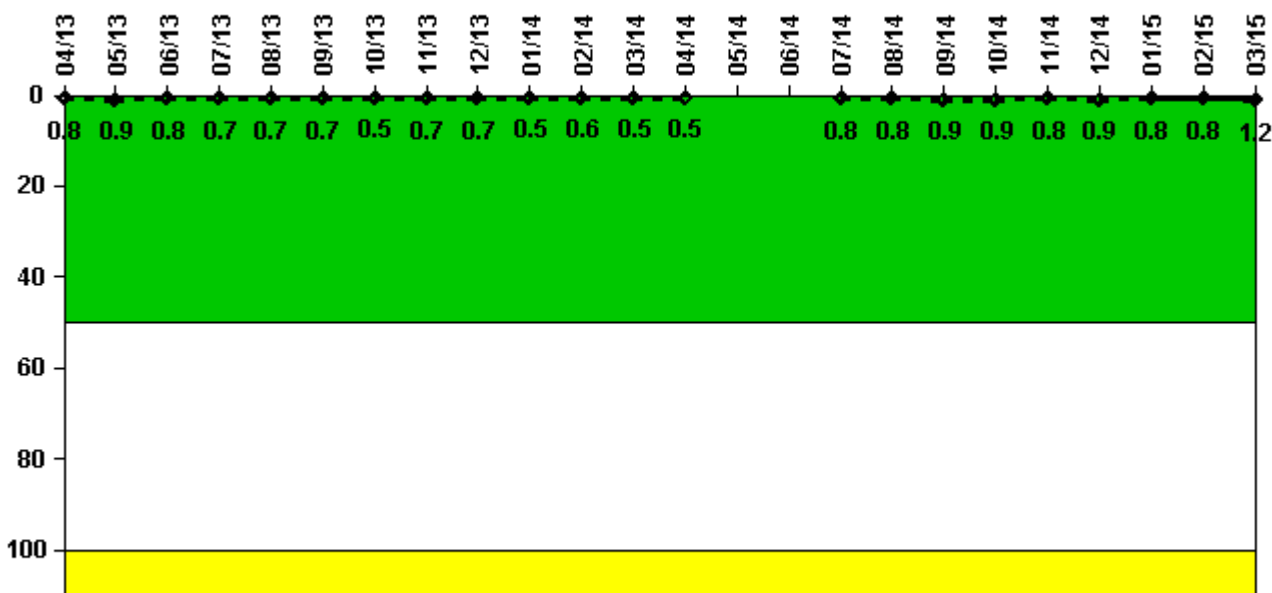
  

Reactor Coolant System Activity	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum activity	0.000269	N/A	N/A	0.000065	0.000065	0.000065	0.000071	0.000099	0.000075	0.000129	0.000186	0.000133
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	N/A	N/A	0	0	0	0	0	0	0	0	0

Licensee Comments:

6/14: The Unit was in an extended outage due to RCP Pump Vane bolt failures.

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

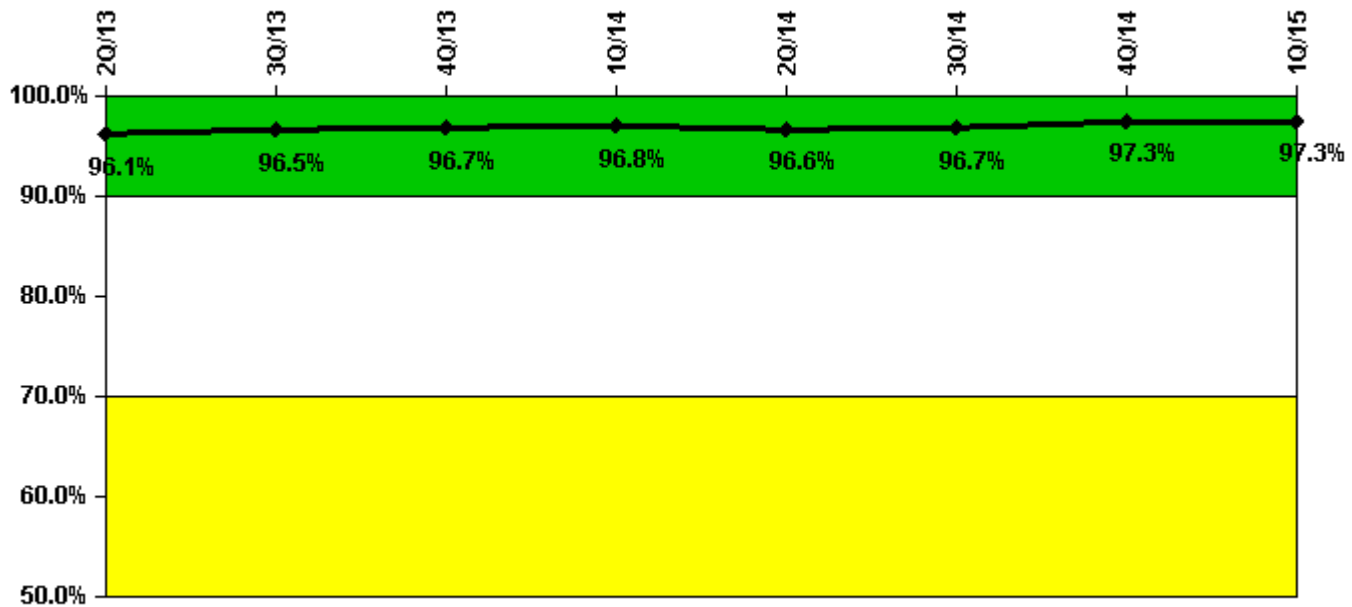
Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.075	0.087	0.076	0.071	0.067	0.067	0.053	0.065	0.073	0.048	0.056	0.051
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	<b>0.8</b>	<b>0.9</b>	<b>0.8</b>	<b>0.7</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.6</b>	<b>0.5</b>
Reactor Coolant System Leakage	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum leakage	0.053	N/A	N/A	0.080	0.081	0.085	0.085	0.084	0.085	0.084	0.084	0.122
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	<b>0.5</b>	<b>N/A</b>	<b>N/A</b>	<b>0.8</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0.8</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>1.2</b>

Licensee Comments:

3/15: One data point for the month was at the value .1224. Remainder were values around the previously identified leakrate values.

6/14: The Unit was in an extended outage due to RCP Pump Vane bolt failures.

### Drill/Exercise Performance



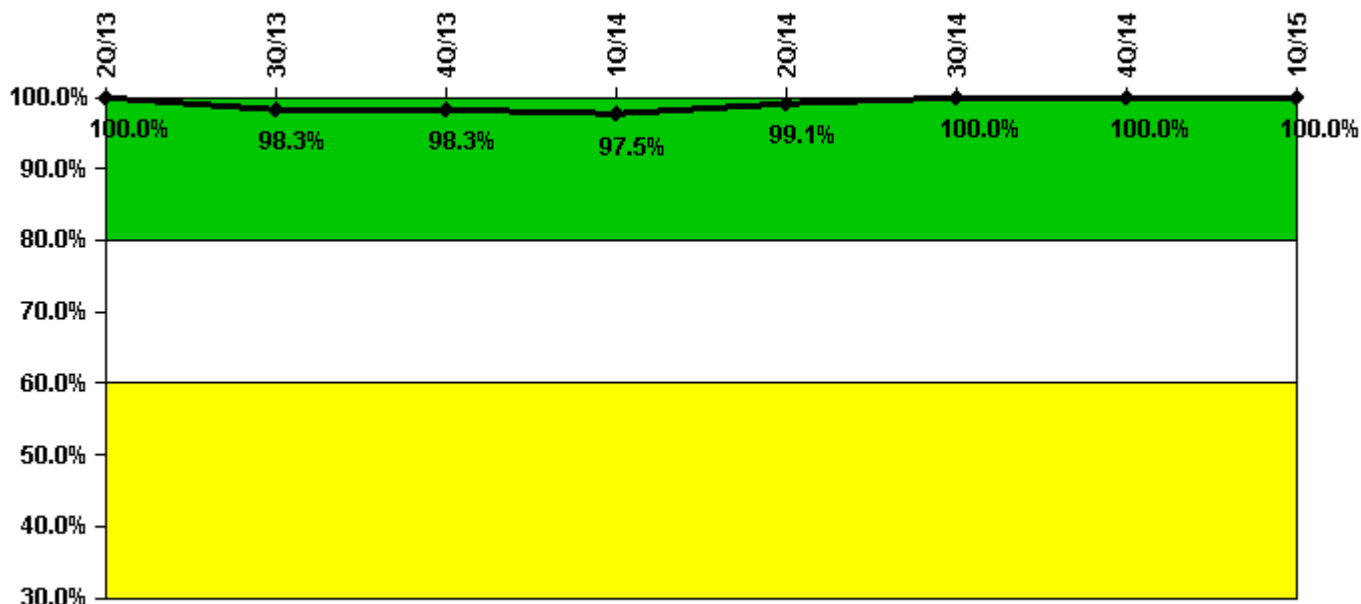
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful opportunities	19.0	48.0	29.0	41.0	34.0	58.0	27.0	34.0
Total opportunities	19.0	50.0	30.0	42.0	35.0	59.0	27.0	36.0
Indicator value	96.1%	96.5%	96.7%	96.8%	96.6%	96.7%	97.3%	97.3%

Licensee Comments: none

### ERO Drill Participation



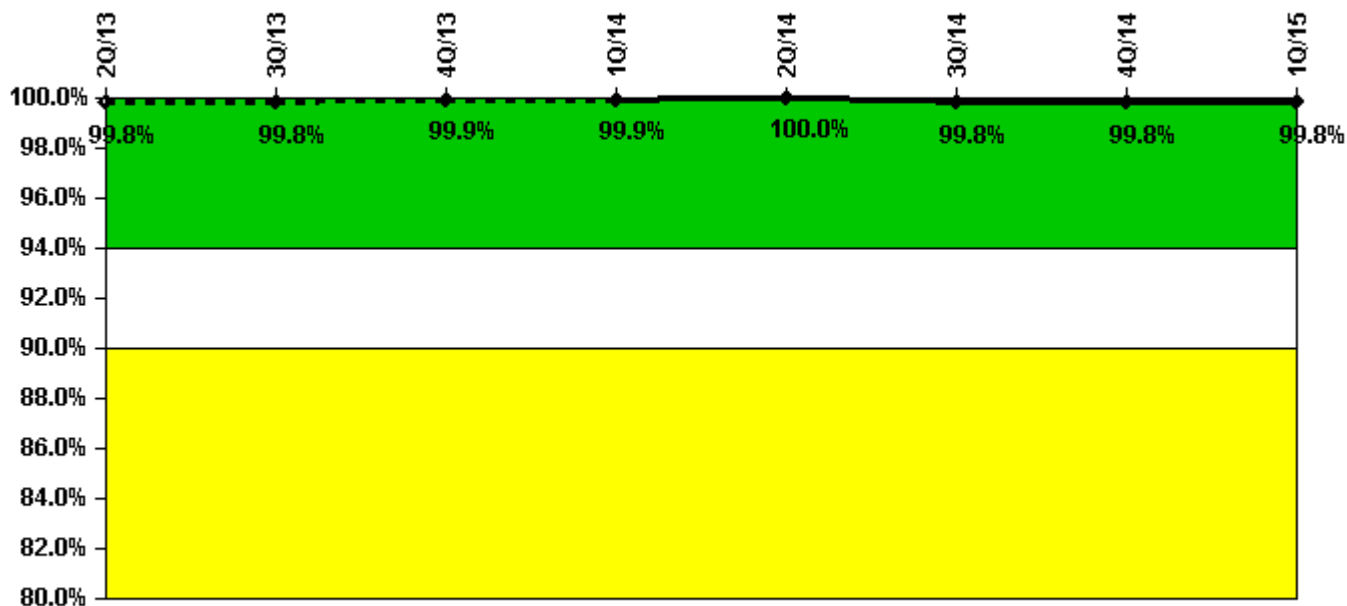
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	118.0	117.0	116.0	117.0	111.0	116.0	120.0	116.0
Total Key personnel	118.0	119.0	118.0	120.0	112.0	116.0	120.0	116.0
Indicator value	100.0%	98.3%	98.3%	97.5%	99.1%	100.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



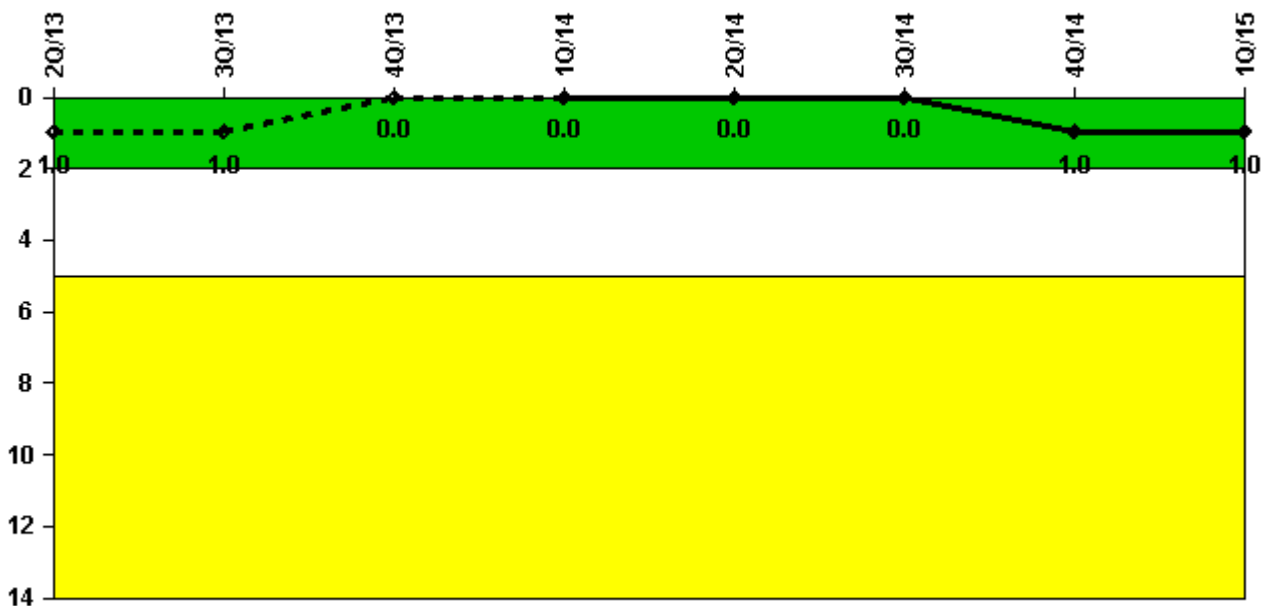
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	495	497	497	497	497	494	497	497
Total sirens-tests	497	497	497	497	497	497	497	497
Indicator value	99.8%	99.8%	99.9%	99.9%	100.0%	99.8%	99.8%	99.8%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



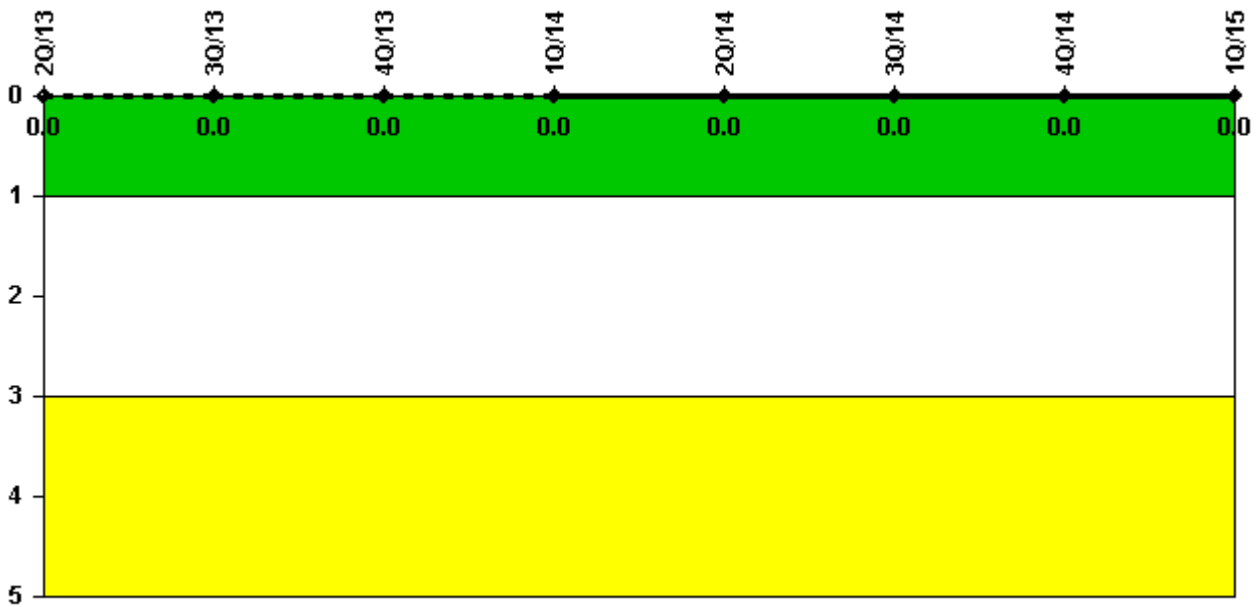
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
High radiation area occurrences	0	0	0	0	0	0	1	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>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/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: April 23, 2015*