

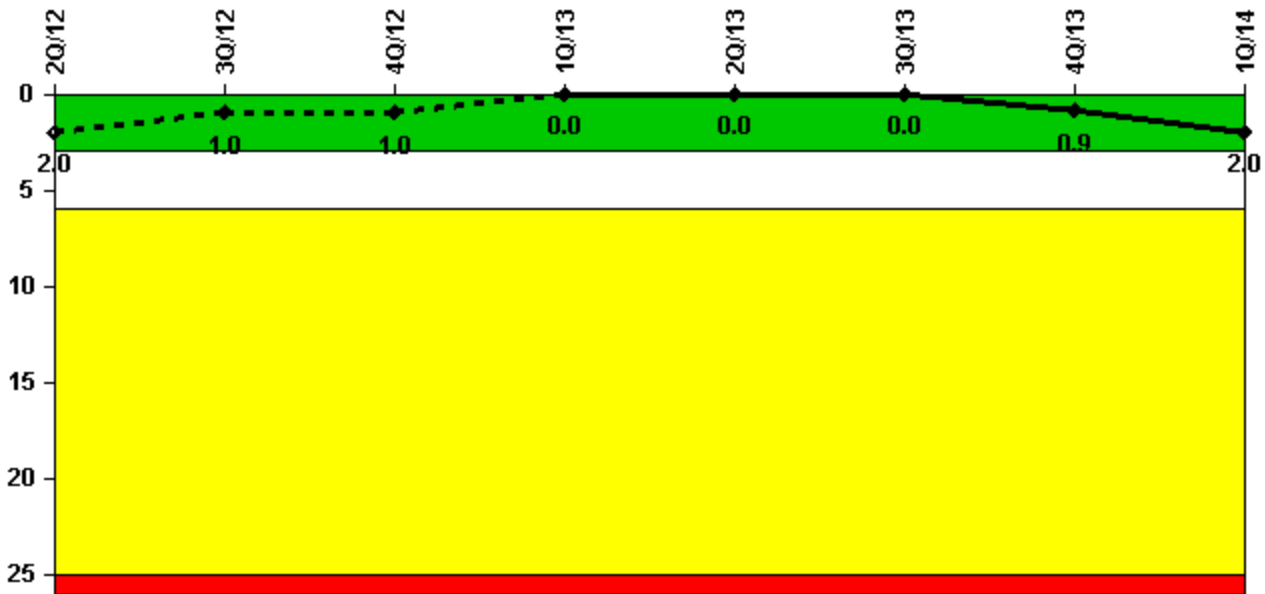
## Robinson 2

### 1Q/2014 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

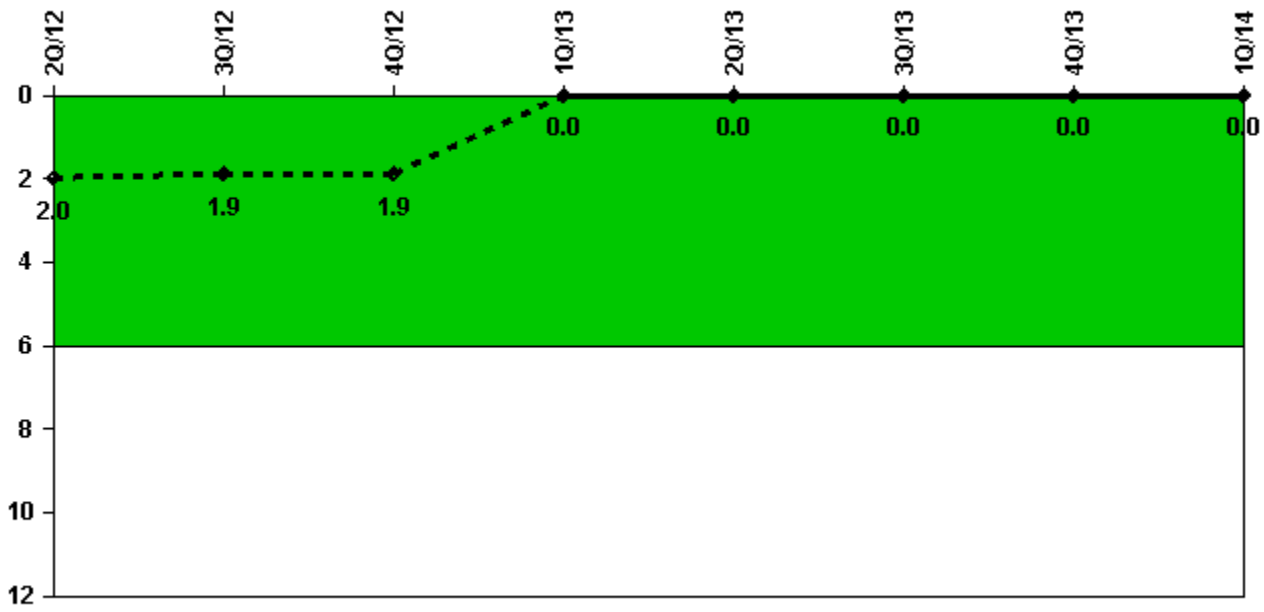
Unplanned Scrams per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	0	0	0	0	0	0	1.0	1.0
Critical hours	2184.0	2208.0	2209.0	2159.0	2184.0	1804.3	1321.7	1540.7
Indicator value	2.0	1.0	1.0	0	0	0	0.9	2.0

Licensee Comments:

3Q/13: None

3Q/13: None

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

#### Notes

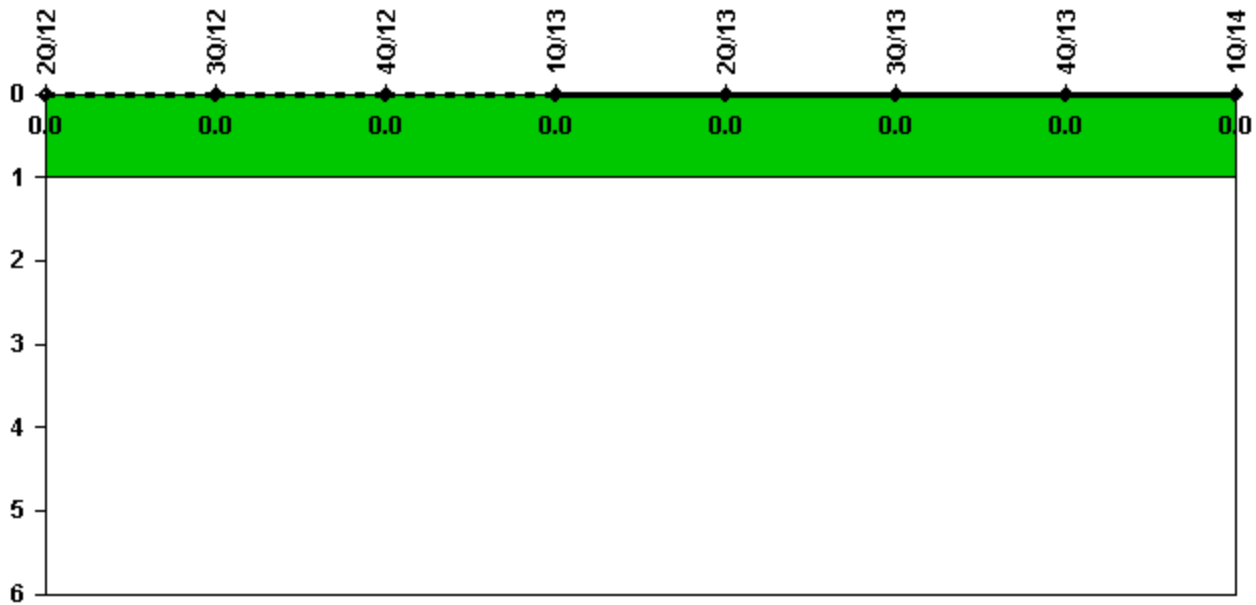
Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	2184.0	1804.3	1321.7	1540.7
<b>Indicator value</b>	<b>2.0</b>	<b>1.9</b>	<b>1.9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments:

3Q/13: None

3Q/13: None

### Unplanned Scrams with Complications



Thresholds: White > 1.0

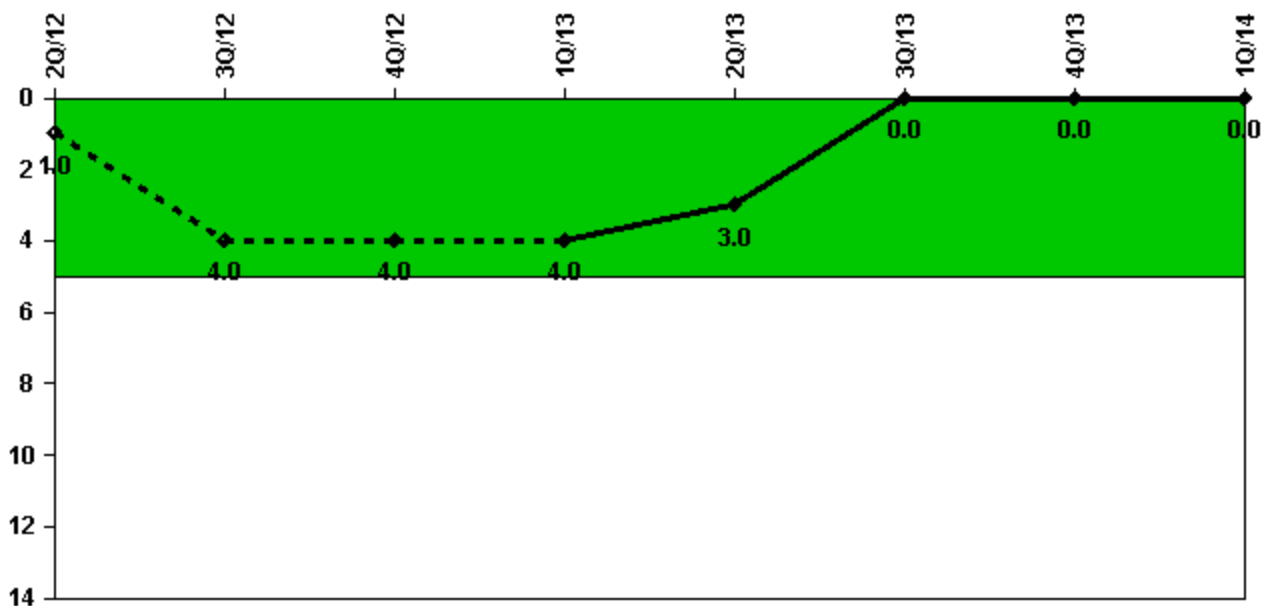
#### Notes

Unplanned Scrams with Complications	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
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:

3Q/13: None

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

#### Notes

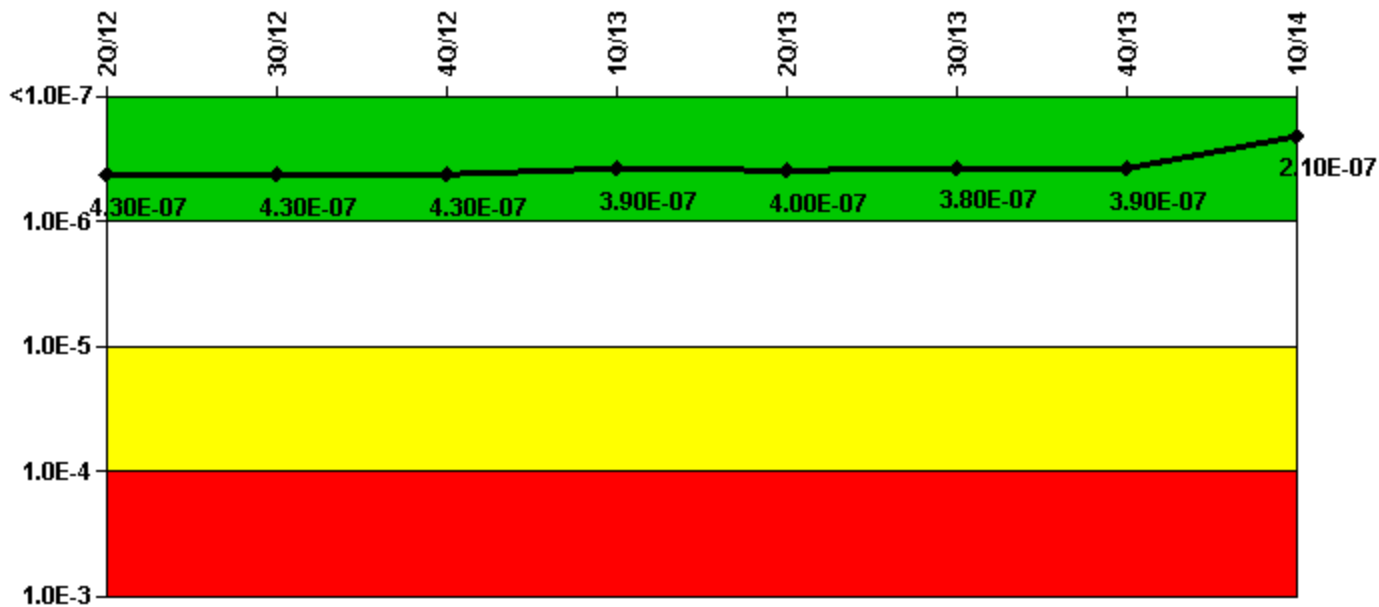
Safety System Functional Failures (PWR)	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Safety System Functional Failures	1	3	0	0	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments:

3Q/13: None

2Q/12: Refueling Water Storage Tank Ailgned to Non-seismic Purification Loop. LER 2012-002

### 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	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI ( $\Delta$ CDF)	1.08E-07	1.02E-07	9.09E-08	1.01E-07	9.56E-08	6.49E-08	6.19E-08	1.55E-08
URI ( $\Delta$ CDF)	3.20E-07	3.29E-07	3.39E-07	2.88E-07	3.02E-07	3.16E-07	3.25E-07	1.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.30E-07	4.30E-07	4.30E-07	3.90E-07	4.00E-07	3.80E-07	3.90E-07	2.10E-07

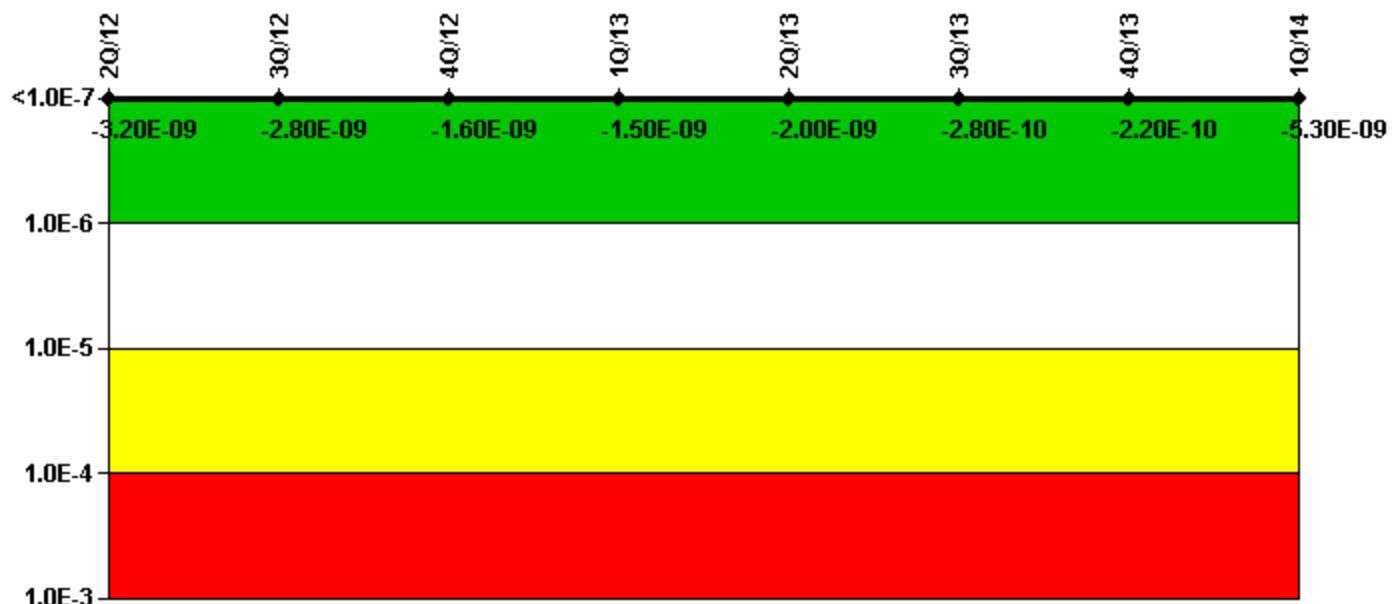
Licensee Comments:

1Q/14: Changed PRA Parameter(s).

3Q/13: None

3Q/13: 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/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI ( $\Delta$ CDF)	2.00E-09	2.33E-09	3.51E-09	3.55E-09	3.13E-09	4.80E-09	4.86E-09	-5.50E-10
URI ( $\Delta$ CDF)	-5.16E-09	-5.16E-09	-5.16E-09	-5.08E-09	-5.08E-09	-5.08E-09	-5.08E-09	-4.79E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.20E-09	-2.80E-09	-1.60E-09	-1.50E-09	-2.00E-09	-2.80E-10	-2.20E-10	-5.30E-09

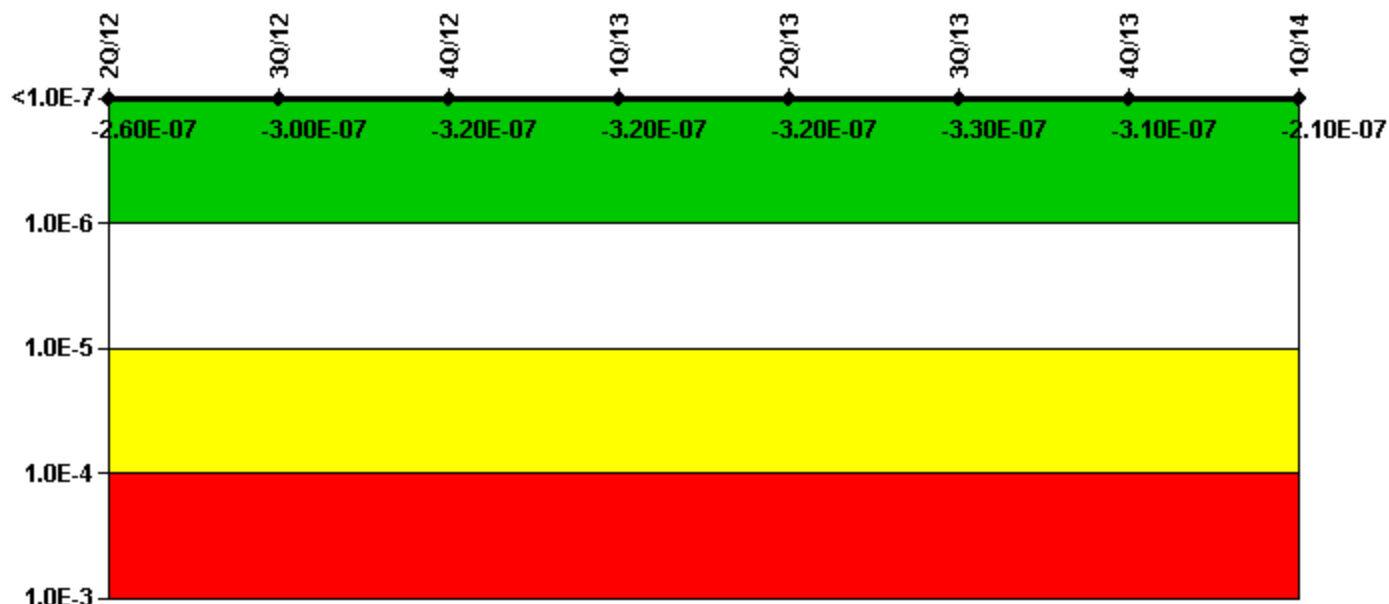
Licensee Comments:

1Q/14: Changed PRA Parameter(s).

3Q/13: None

3Q/13: 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/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI ( $\Delta$ CDF)	7.04E-08	2.89E-08	-9.69E-10	6.61E-10	1.69E-09	-1.41E-08	8.81E-09	-3.64E-08
URI ( $\Delta$ CDF)	-3.25E-07	-3.25E-07	-3.23E-07	-3.20E-07	-3.20E-07	-3.17E-07	-3.19E-07	-1.71E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.60E-07	-3.00E-07	-3.20E-07	-3.20E-07	-3.20E-07	-3.30E-07	-3.10E-07	-2.10E-07

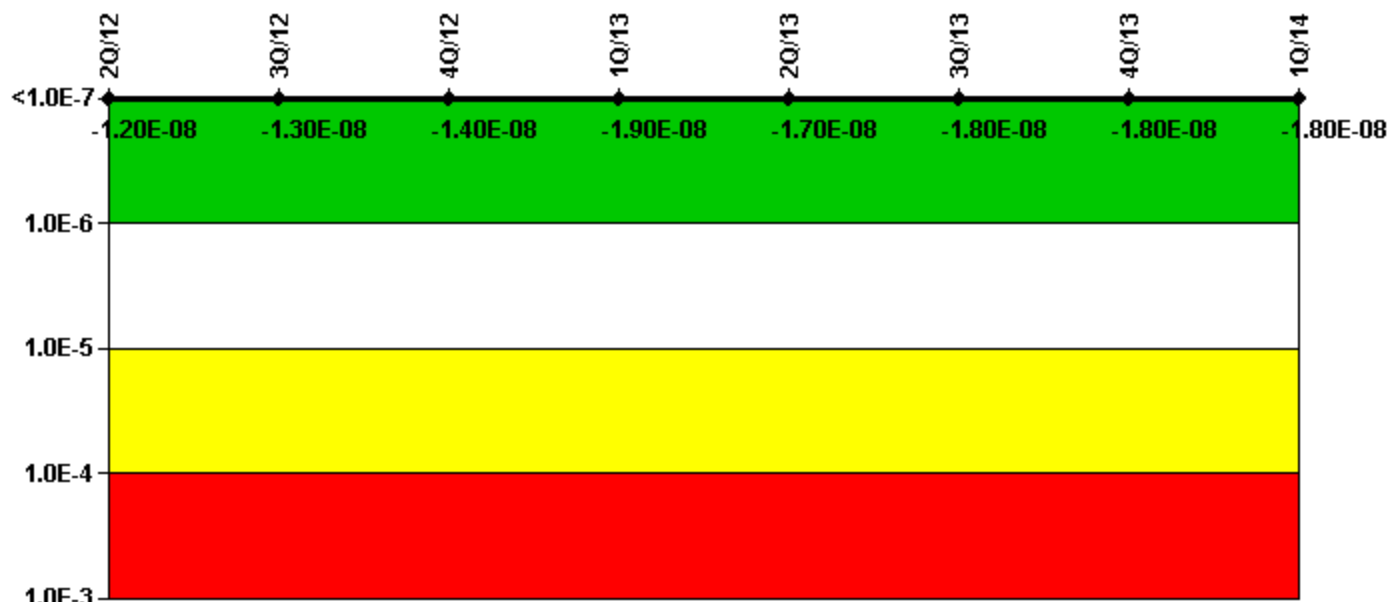
Licensee Comments:

1Q/14: Changed PRA Parameter(s).

3Q/13: None

3Q/13: 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/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI ( $\Delta$ CDF)	6.19E-09	5.69E-09	4.60E-09	-3.72E-10	1.59E-09	4.70E-10	9.65E-10	7.26E-10
URI ( $\Delta$ CDF)	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.84E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-08	-1.30E-08	-1.40E-08	-1.90E-08	-1.70E-08	-1.80E-08	-1.80E-08	-1.80E-08

Licensee Comments:

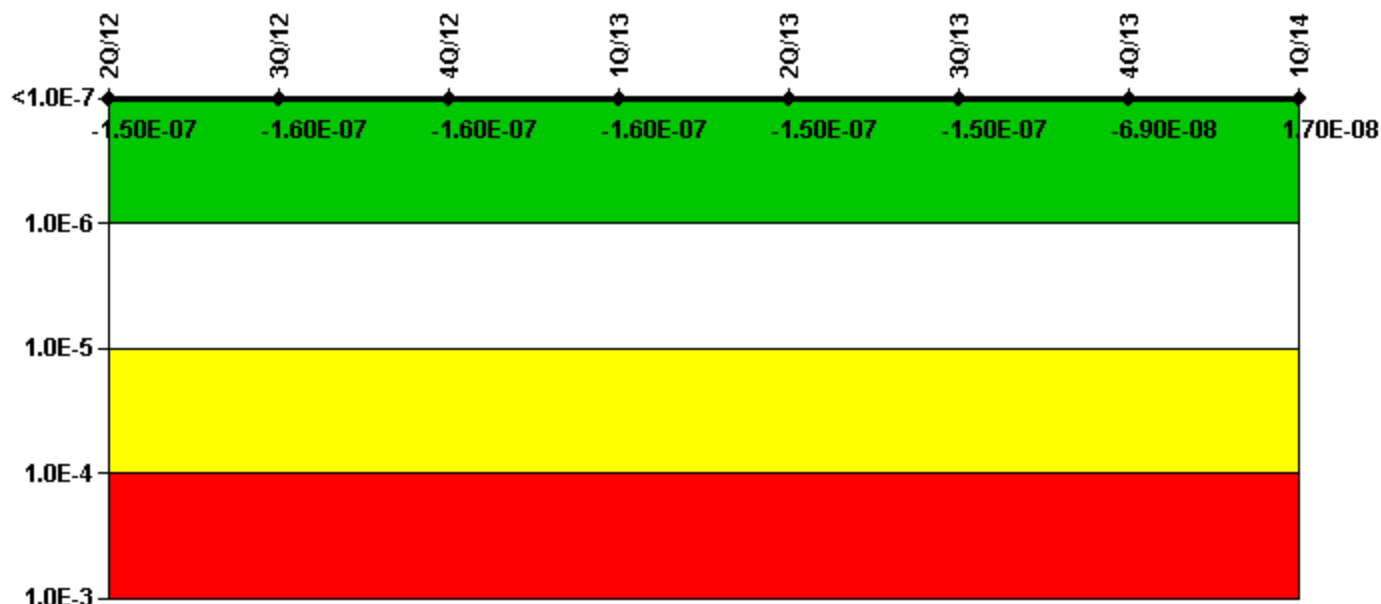
1Q/14: Changed PRA Parameter(s).

3Q/13: None

3Q/13: 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/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI ( $\Delta$ CDF)	2.87E-08	2.33E-08	2.18E-08	2.46E-08	3.10E-08	3.61E-08	3.60E-08	4.77E-08
URI ( $\Delta$ CDF)	-1.82E-07	-1.82E-07	-1.82E-07	-1.82E-07	-1.82E-07	-1.82E-07	-1.04E-07	-3.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.50E-07	-1.50E-07	-6.90E-08	1.70E-08

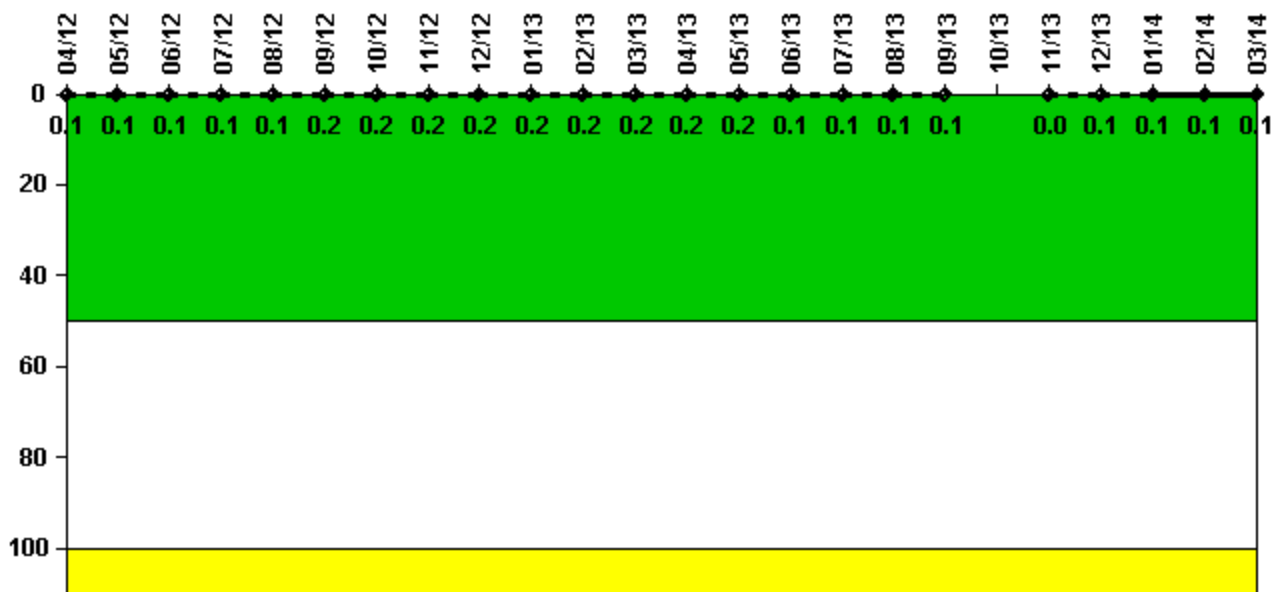
Licensee Comments:

1Q/14: Changed PRA Parameter(s).

3Q/13: None

3Q/13: None

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum activity	0.000328	0.000329	0.000343	0.000366	0.000373	0.000375	0.000388	0.000393	0.000418	0.000422	0.000447	0.000469
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2

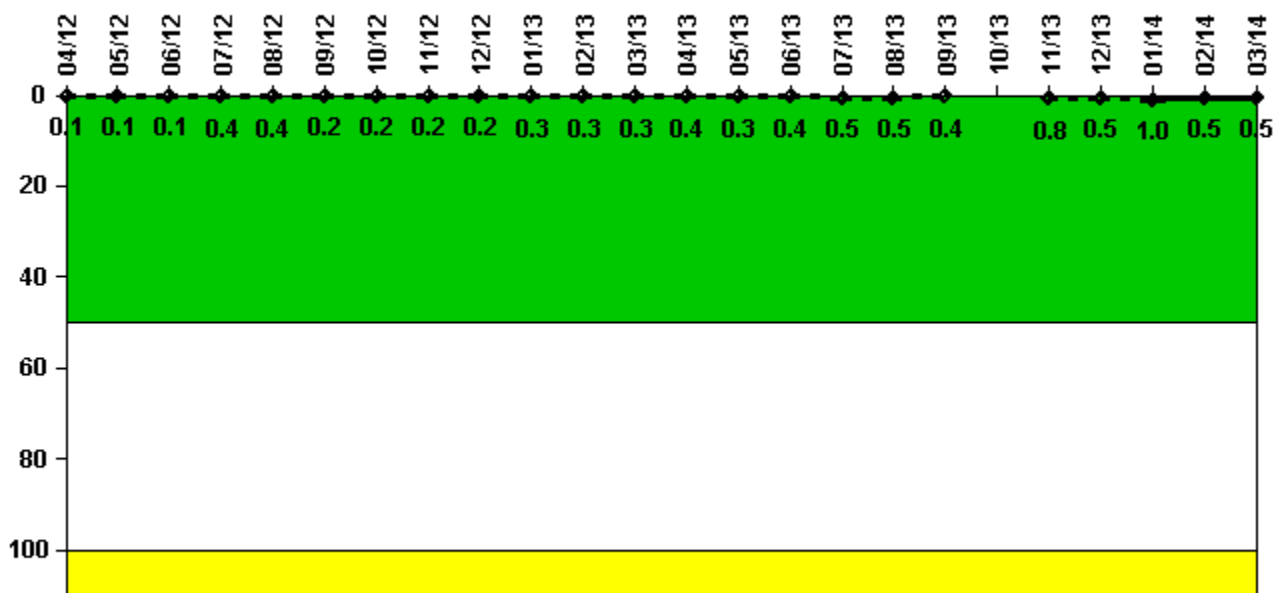
  

Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	0.000482	0.000492	0.000330	0.000331	0.000339	0.000329	N/A	0.000109	0.000328	0.000186	0.000181	0.000187
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	0.2	0.2	0.1	0.1	0.1	0.1	N/A	0	0.1	0.1	0.1	0.1

Licensee Comments:

9/13: None

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

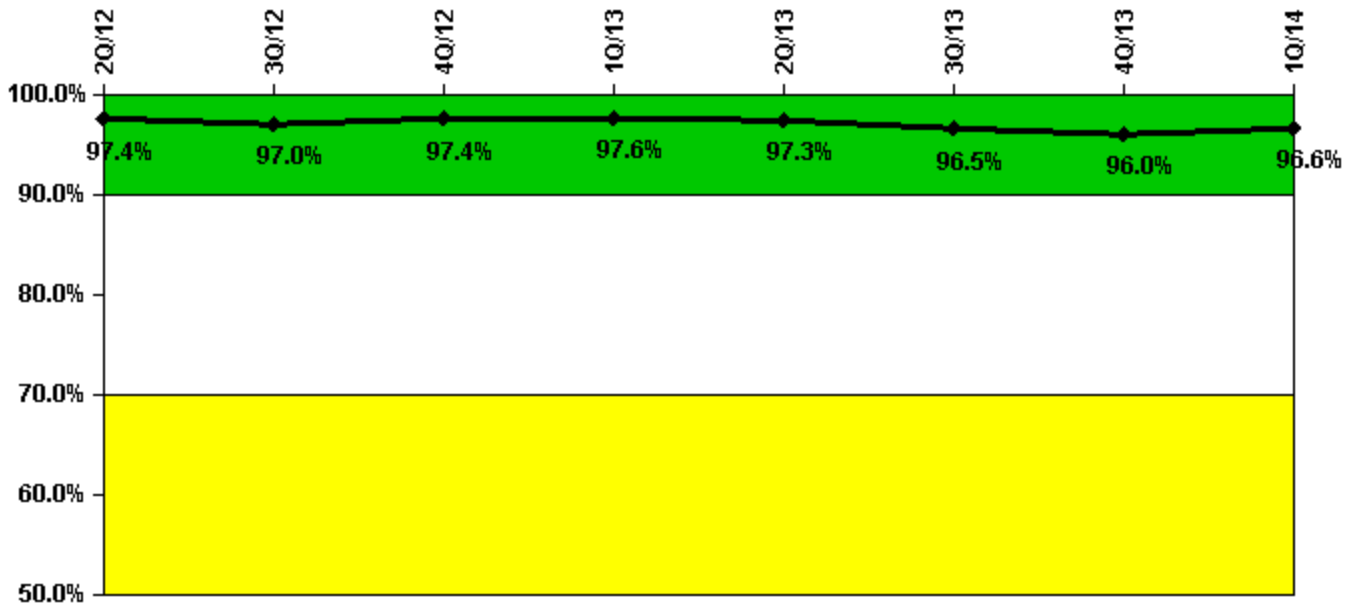
#### Notes

Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	0.010	0.010	0.010	0.040	0.040	0.020	0.020	0.020	0.020	0.030	0.030	0.030
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	0.1	0.1	0.1	0.4	0.4	0.2	0.2	0.2	0.2	0.3	0.3	0.3
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	0.040	0.030	0.040	0.050	0.050	0.040	N/A	0.080	0.050	0.100	0.050	0.048
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	0.4	0.3	0.4	0.5	0.5	0.4	N/A	0.8	0.5	1.0	0.5	0.5

Licensee Comments:

9/13: None

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

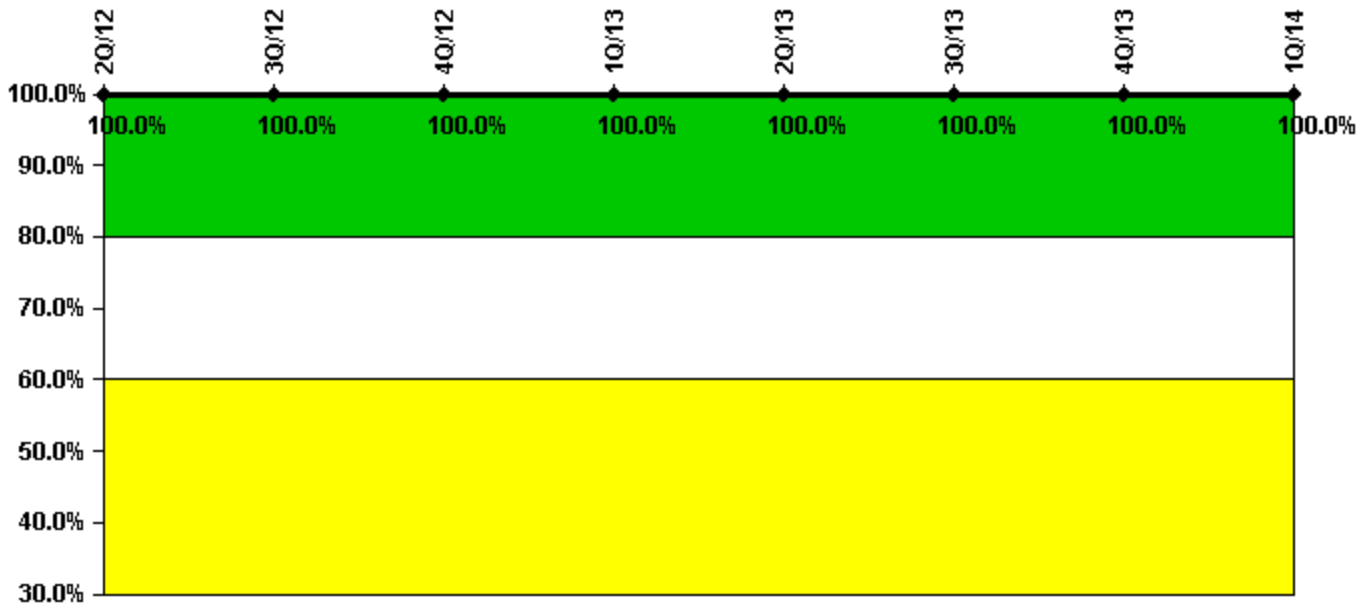
#### Notes

Drill/Exercise Performance	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful opportunities	34.0	55.0	19.0	56.0	37.0	23.0	35.0	58.0
Total opportunities	35.0	57.0	19.0	57.0	40.0	25.0	37.0	58.0
Indicator value	97.4%	97.0%	97.4%	97.6%	97.3%	96.5%	96.0%	96.6%

Licensee Comments:

3Q/13: None

### ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

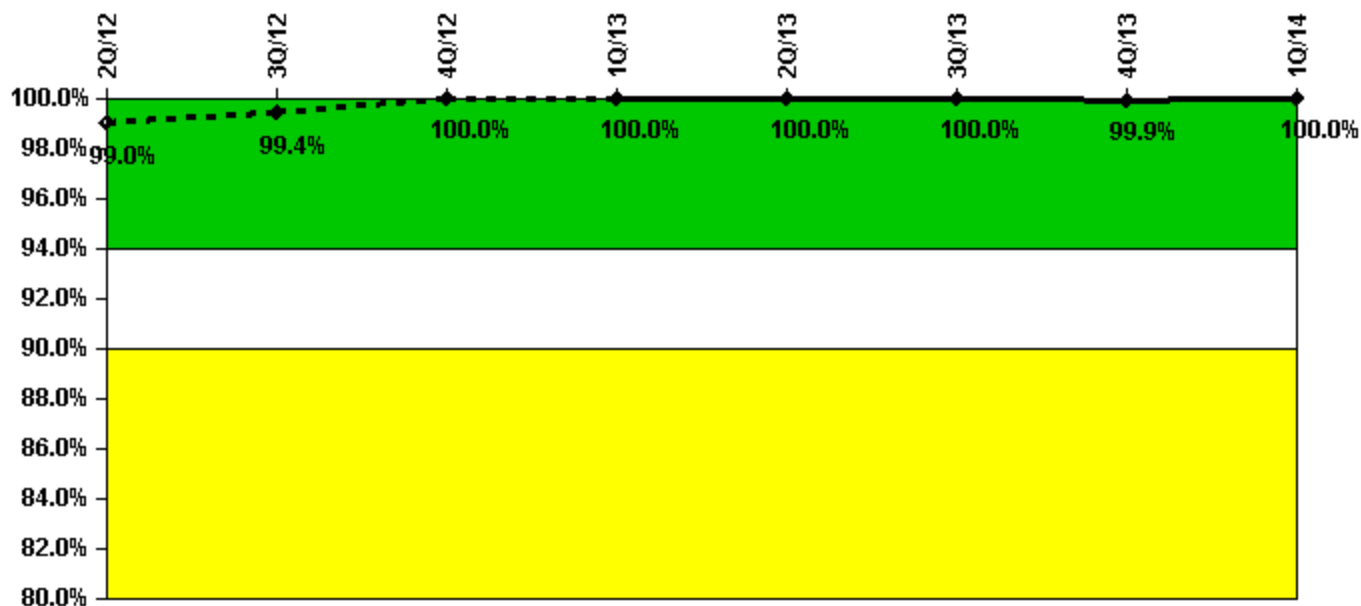
#### Notes

ERO Drill Participation	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Participating Key personnel	50.0	53.0	56.0	52.0	53.0	52.0	52.0	55.0
Total Key personnel	50.0	53.0	56.0	52.0	53.0	52.0	52.0	55.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

3Q/13: None

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

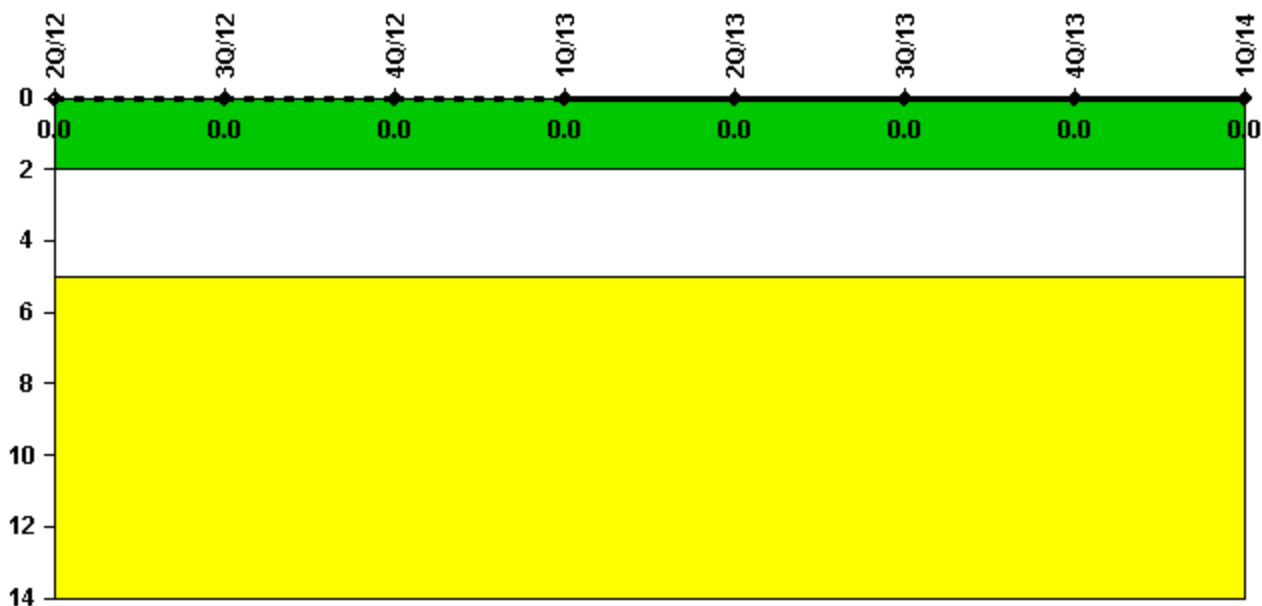
#### Notes

Alert & Notification System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful siren-tests	826	826	944	766	826	885	884	826
Total sirens-tests	826	826	944	767	826	885	885	826
Indicator value	99.0%	99.4%	100.0%	100.0%	100.0%	100.0%	99.9%	100.0%

Licensee Comments:

3Q/13: None

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

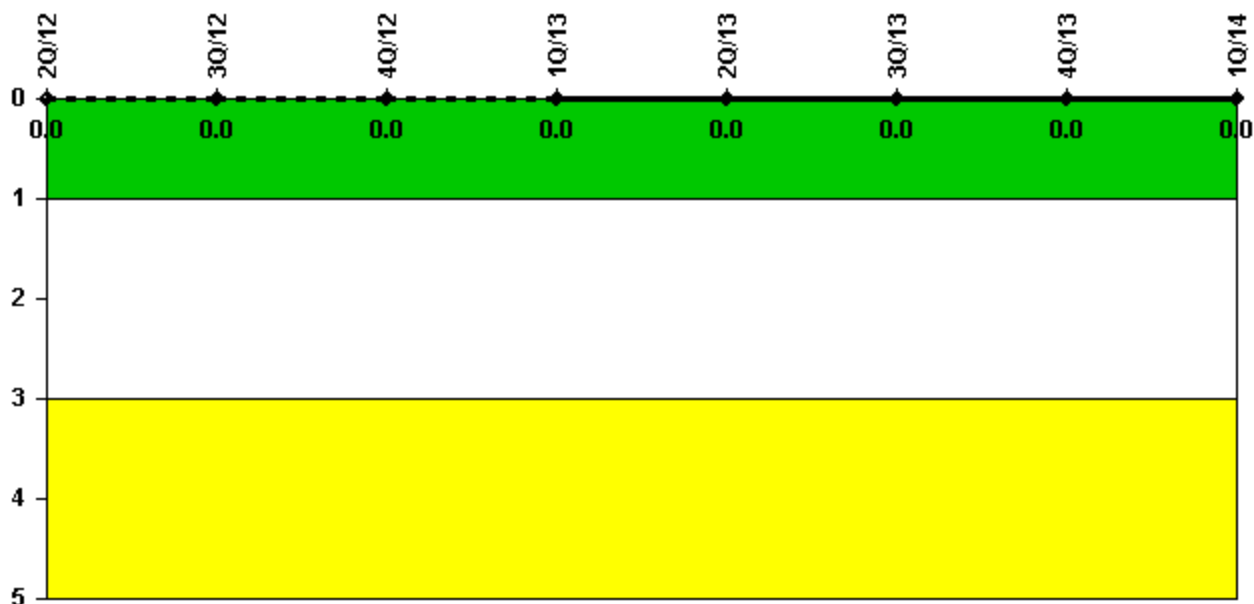
#### Notes

Occupational Exposure Control Effectiveness	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
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:

3Q/13: None

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
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:

3Q/13: 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 23, 2014*