

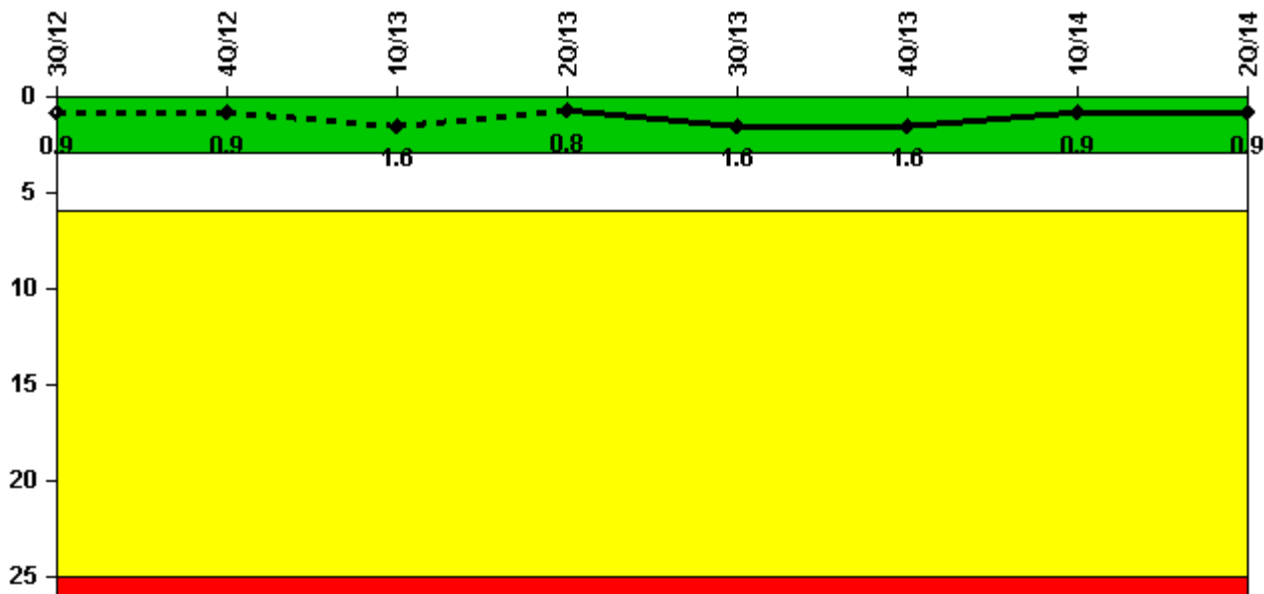
## Indian Point 2

### 2Q/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**

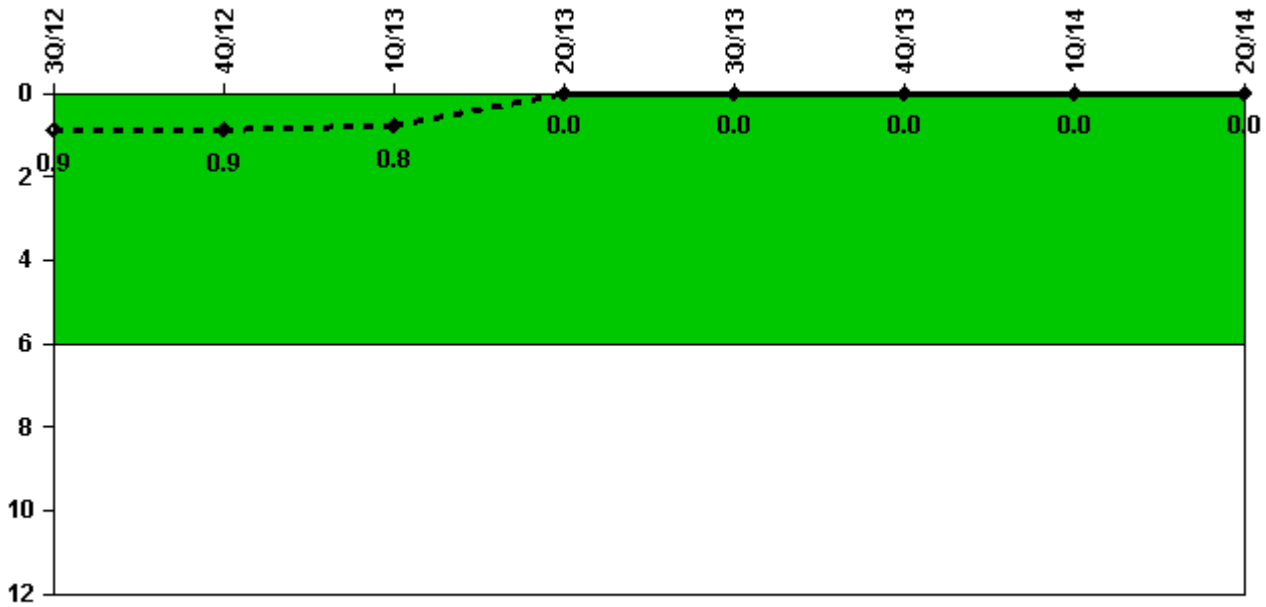
#### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	1.0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	2107.1	2184.0	2189.3	2209.0	1619.8	2184.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.9</b>	<b>1.6</b>	<b>0.8</b>	<b>1.6</b>	<b>1.6</b>	<b>0.9</b>	<b>0.9</b>

Licensee Comments:

1Q/13: LER-2013-001 reported on April 15, 2013, a manual reactor trip on February 13, 2013, due to decreasing steam generator levels as a result of the trip of both heater drain tank pumps during AOV diagnostics testing.

### Unplanned Power Changes per 7000 Critical Hrs



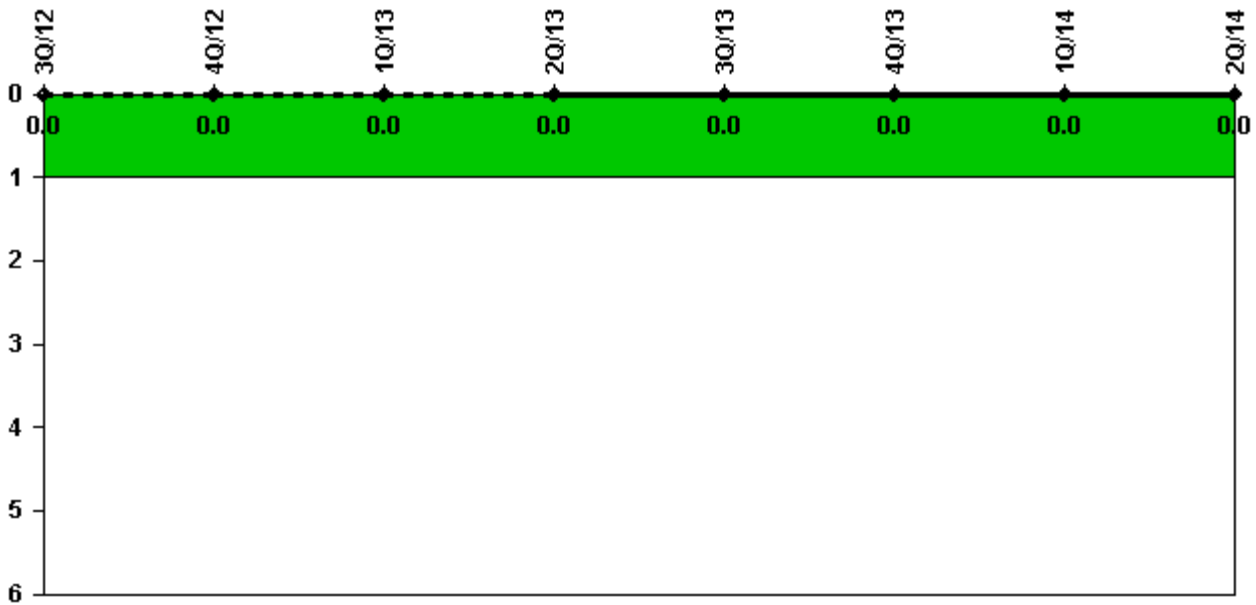
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2107.1	2184.0	2189.3	2209.0	1619.8	2184.0
<b>Indicator value</b>	<b>0.9</b>	<b>0.9</b>	<b>0.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Unplanned Scrams with Complications



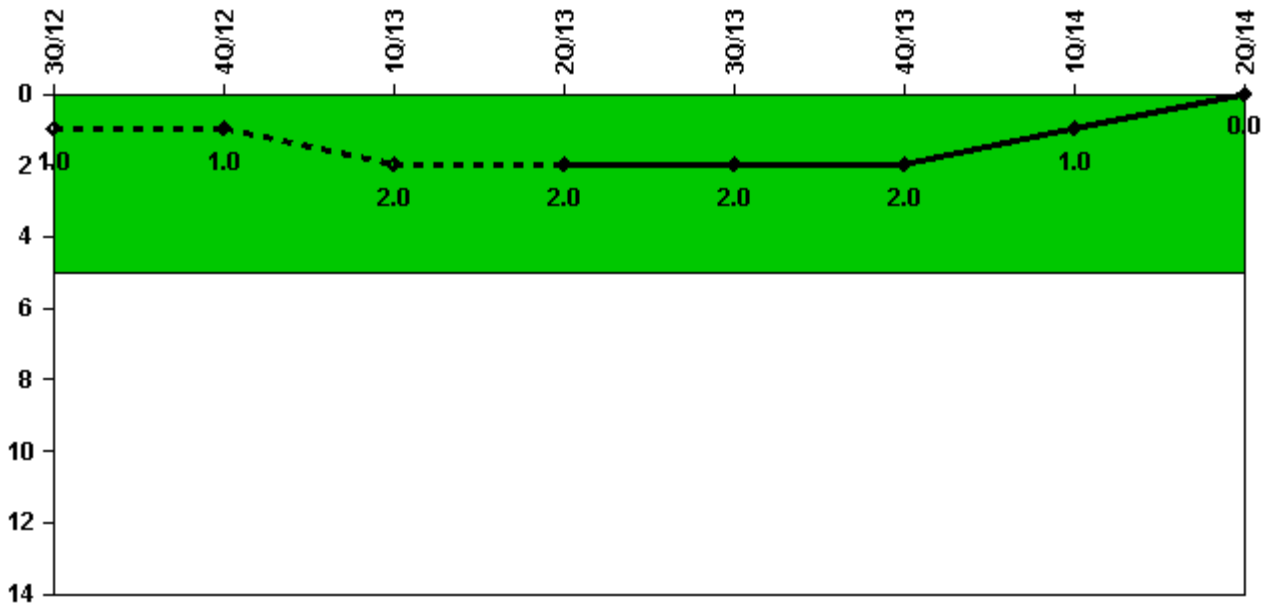
Thresholds: White > 1.0

#### Notes

Unplanned Scrams with Complications	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/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: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

#### Notes

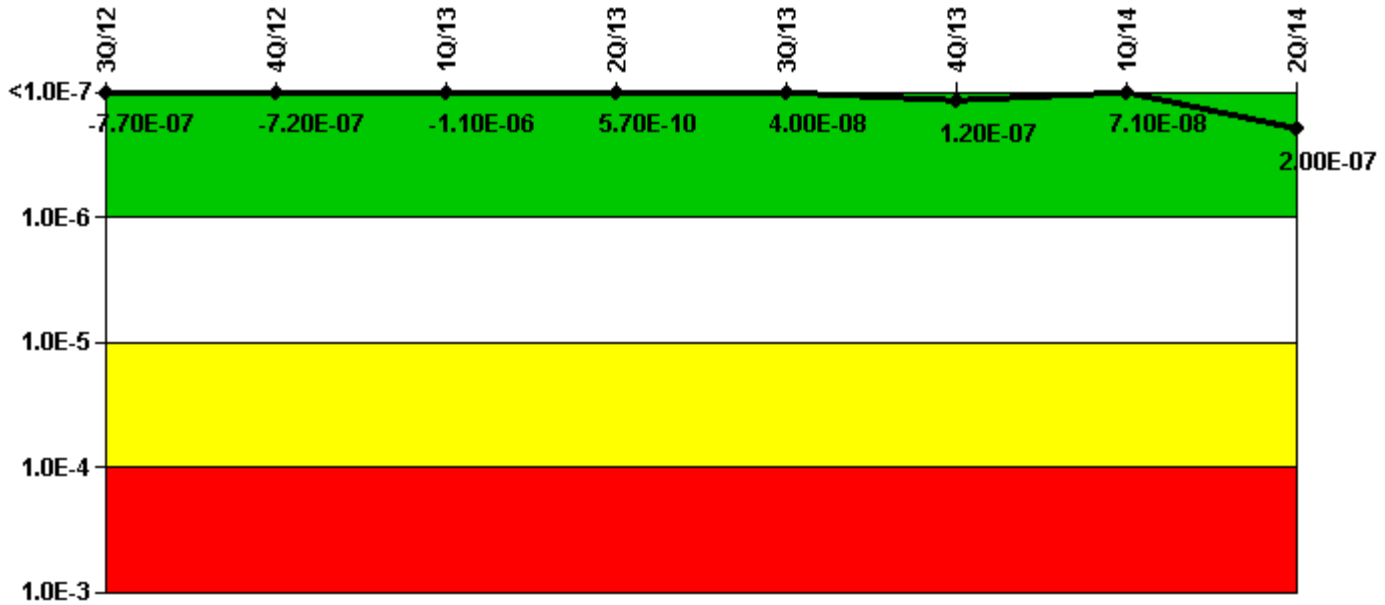
Safety System Functional Failures (PWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	0	0	1	1	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>0</b>

#### Licensee Comments:

2Q/13: LER-2013-002 reported on June 13, 2012, a SSFF of the onsite emergency diesel generators due to maintenance on the emergency fuel oil supply line during tagout of the normal fuel oil supply line.

1Q/13: LER-2012-009-00 reported on January 28, 2013, a safety system functional failure due to use of the Rad Bypass switch for steam generator blowdown isolation valves which defeats their automatic isolation for analyzed events. Equipment tag-out were discovered that placed all the SGBD isolation valves in Rad bypass while a moter driven auxiliary feedwater pump was out of service. Condition results in the inability to maintain SG inventory with continuous SGBD during heat sink events.

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



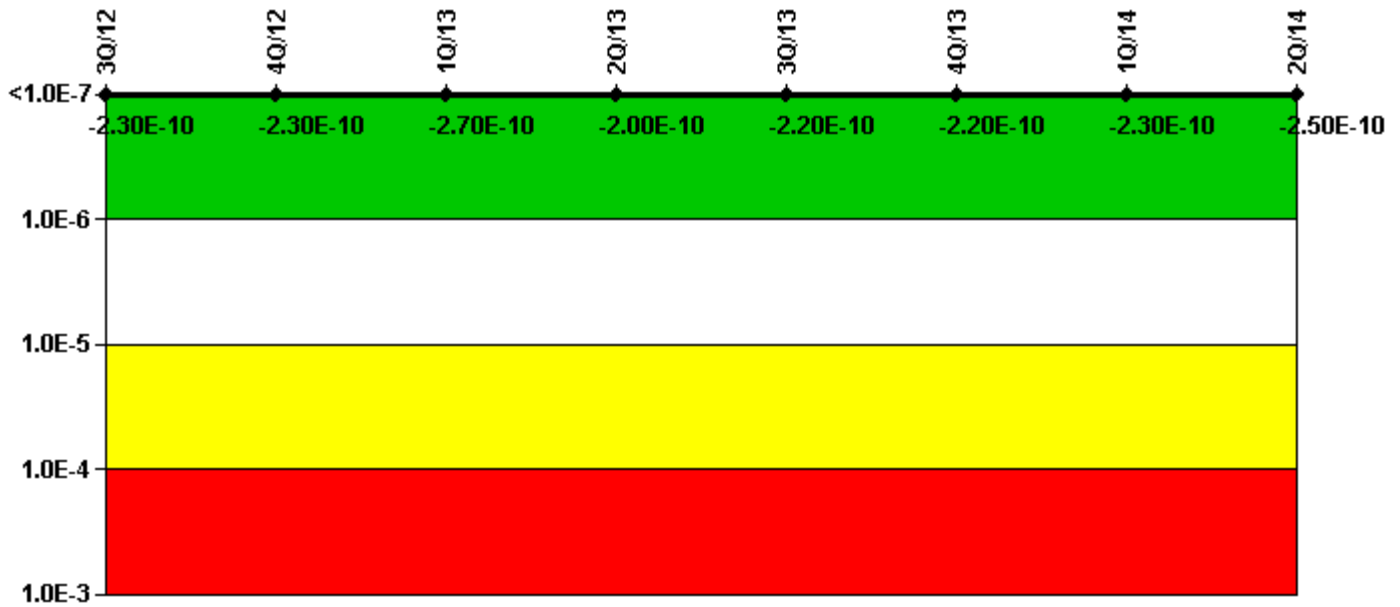
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI ( $\Delta$ CDF)	1.28E-07	1.16E-07	1.05E-07	2.12E-07	2.29E-07	2.80E-07	2.73E-07	3.56E-07
URI ( $\Delta$ CDF)	-8.94E-07	-8.33E-07	-1.16E-06	-2.11E-07	-1.89E-07	-1.59E-07	-2.03E-07	-1.59E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.70E-07	-7.20E-07	-1.10E-06	5.70E-10	4.00E-08	1.20E-07	7.10E-08	2.00E-07

Licensee Comments: none

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



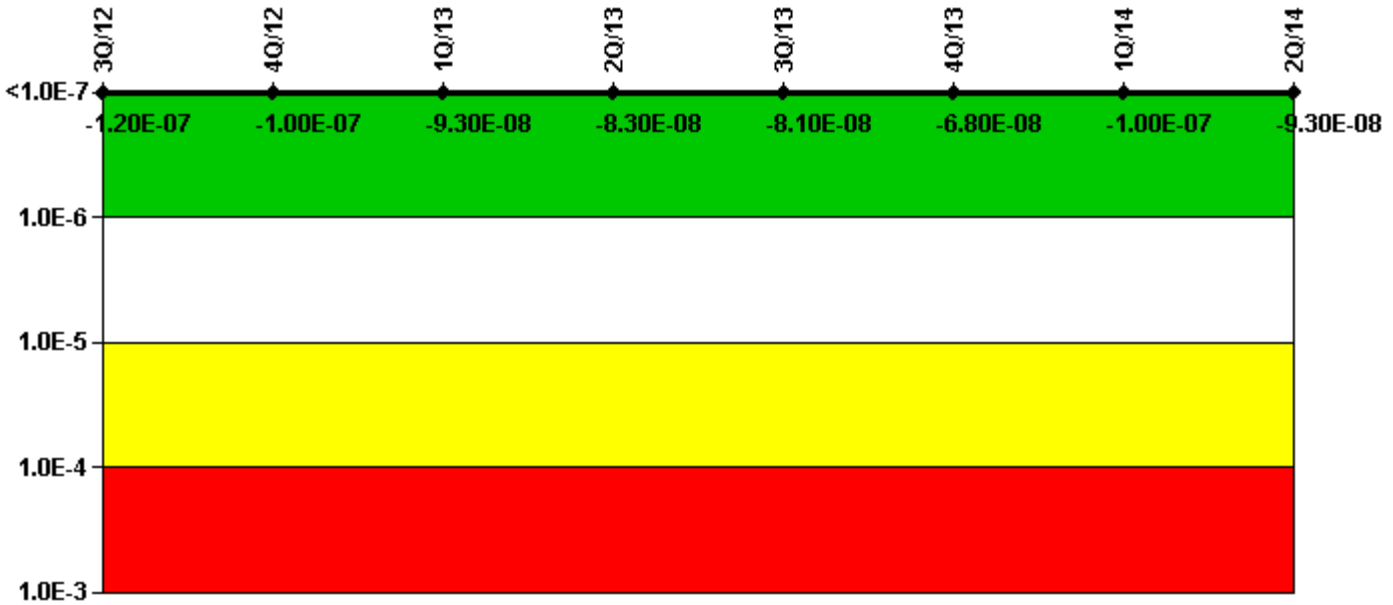
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI ( $\Delta$ CDF)	5.04E-12	1.50E-11	-2.24E-11	6.29E-11	5.22E-11	5.76E-11	6.60E-11	5.21E-11
URI ( $\Delta$ CDF)	-2.31E-10	-2.41E-10	-2.48E-10	-2.61E-10	-2.71E-10	-2.78E-10	-2.92E-10	-3.05E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-10	-2.30E-10	-2.70E-10	-2.00E-10	-2.20E-10	-2.20E-10	-2.30E-10	-2.50E-10

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



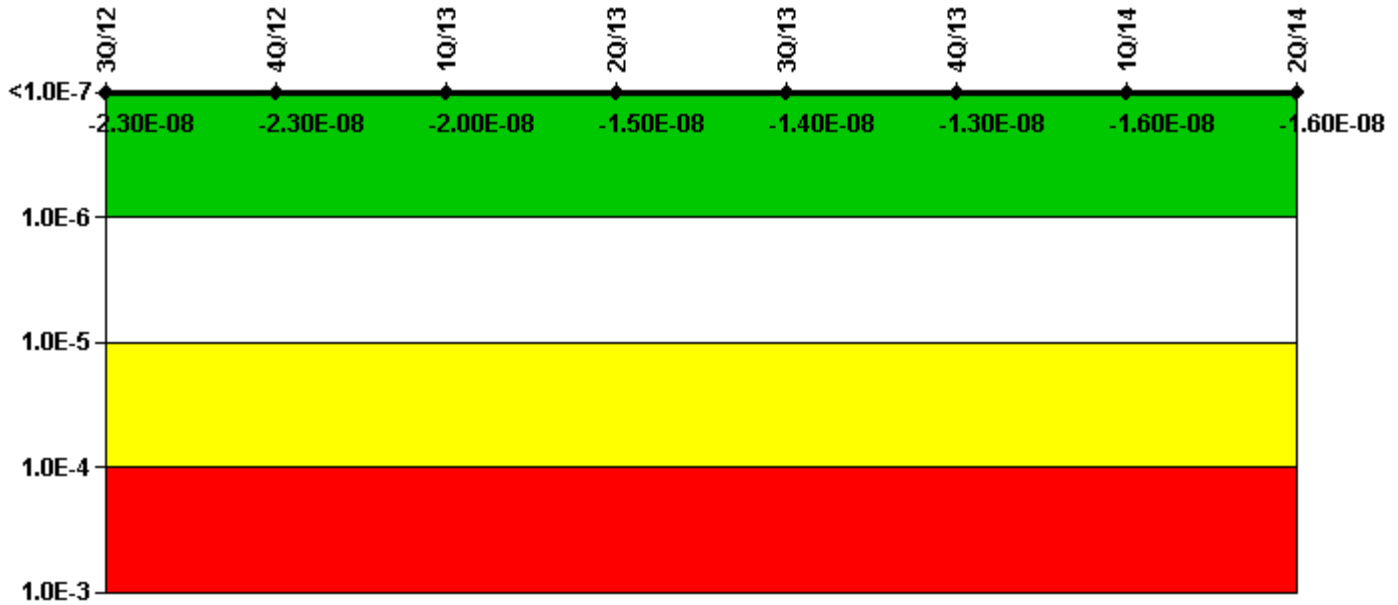
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI ( $\Delta$ CDF)	-2.10E-08	-9.66E-09	-2.41E-08	-2.93E-08	-2.99E-08	-2.98E-08	-2.85E-08	-2.72E-08
URI ( $\Delta$ CDF)	-9.64E-08	-9.09E-08	-6.87E-08	-5.37E-08	-5.07E-08	-3.86E-08	-7.36E-08	-6.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-1.00E-07	-9.30E-08	-8.30E-08	-8.10E-08	-6.80E-08	-1.00E-07	-9.30E-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

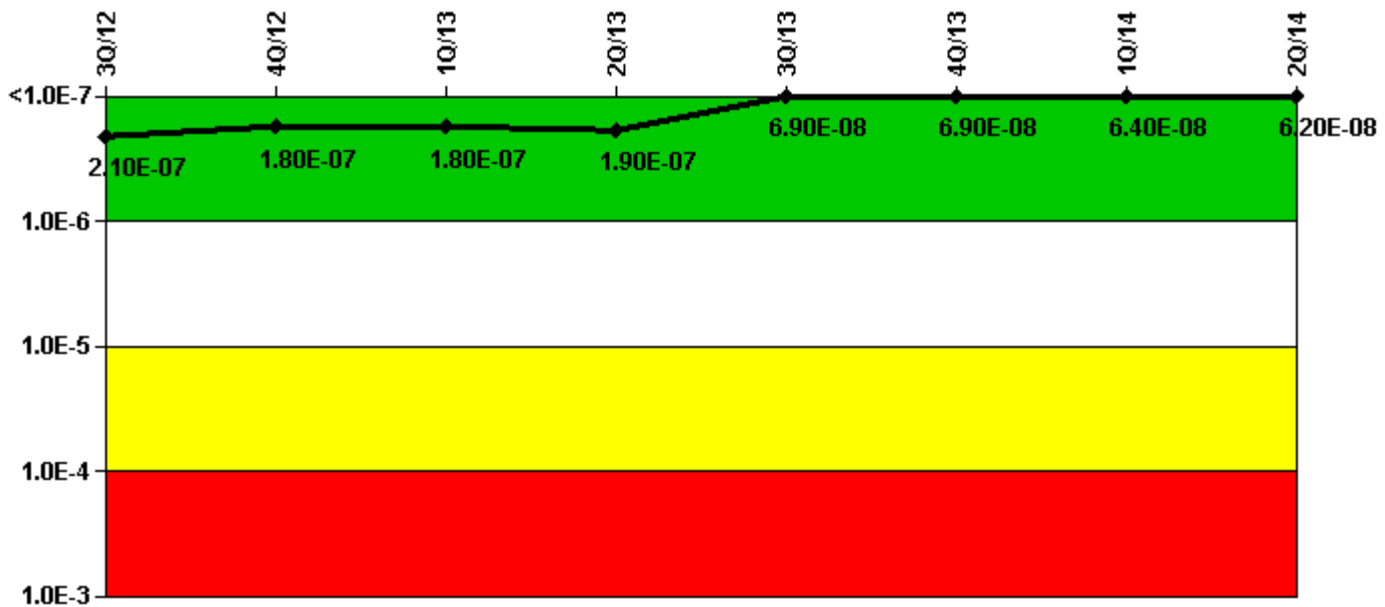
#### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI ( $\Delta$ CDF)	-8.71E-09	-8.67E-09	-8.69E-09	-4.05E-09	-4.17E-09	-4.03E-09	-3.91E-09	-3.97E-09
URI ( $\Delta$ CDF)	-1.40E-08	-1.41E-08	-1.13E-08	-1.06E-08	-9.89E-09	-9.12E-09	-1.17E-08	-1.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-08	-2.30E-08	-2.00E-08	-1.50E-08	-1.40E-08	-1.30E-08	-1.60E-08	-1.60E-08

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



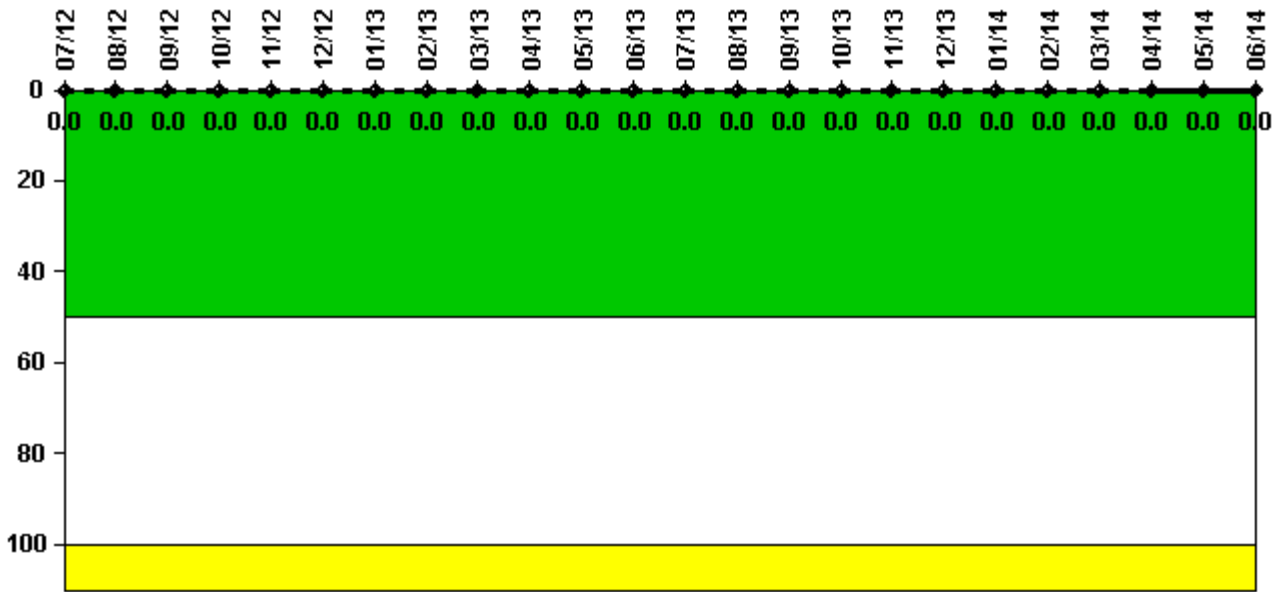
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	2.04E-08	5.13E-09	5.22E-09	4.90E-09	2.65E-09	-1.93E-09	-3.47E-09	-3.28E-09
URI (ΔCDF)	1.88E-07	1.77E-07	1.79E-07	1.81E-07	6.67E-08	7.05E-08	6.71E-08	6.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.10E-07	1.80E-07	1.80E-07	1.90E-07	6.90E-08	6.90E-08	6.40E-08	6.20E-08

Licensee Comments: none

### Reactor Coolant System Activity



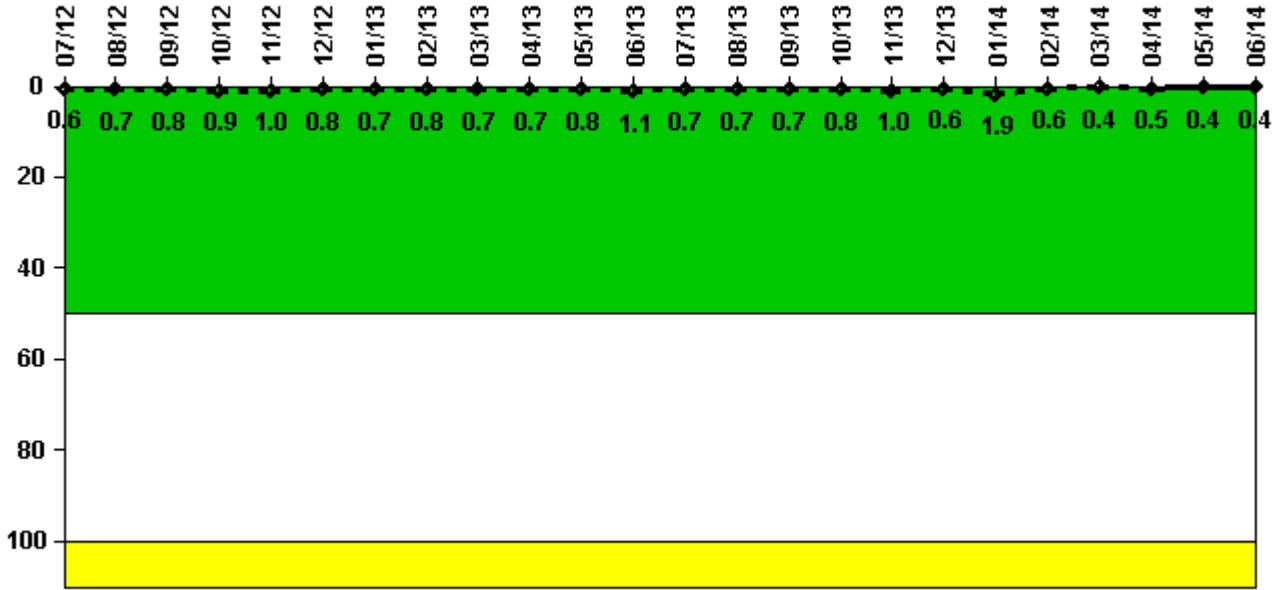
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum activity	0.000196	0.000215	0.000217	0.000234	0.000218	0.000232	0.000244	0.000267	0.000246	0.000247	0.000280	0.000239
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	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	0.000258	0.000239	0.000204	0.000257	0.000273	0.000276	0.000278	0.000334	0.000125	0.000159	0.000133	0.000165
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

Licensee Comments: none

### Reactor Coolant System Leakage



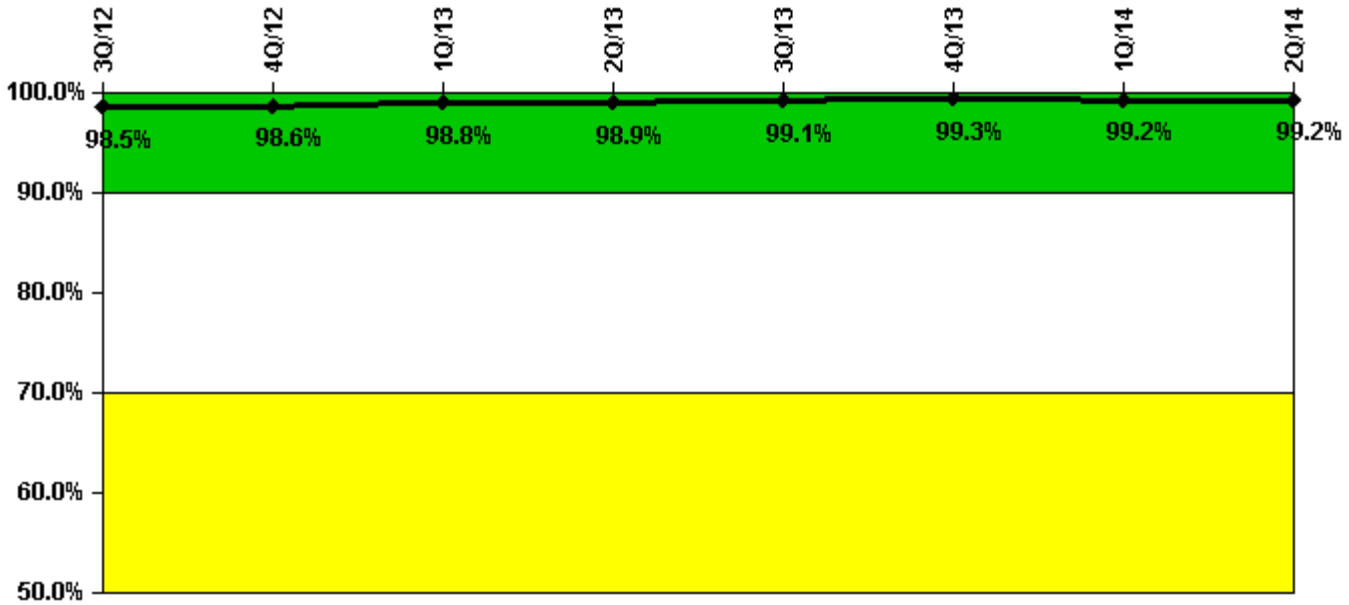
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.060	0.070	0.080	0.090	0.100	0.080	0.070	0.080	0.070	0.073	0.080	0.110
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	0.6	0.7	0.8	0.9	1.0	0.8	0.7	0.8	0.7	0.7	0.8	1.1
Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	0.071	0.070	0.070	0.080	0.100	0.060	0.190	0.060	0.040	0.050	0.040	0.040
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	0.7	0.7	0.7	0.8	1.0	0.6	1.9	0.6	0.4	0.5	0.4	0.4

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

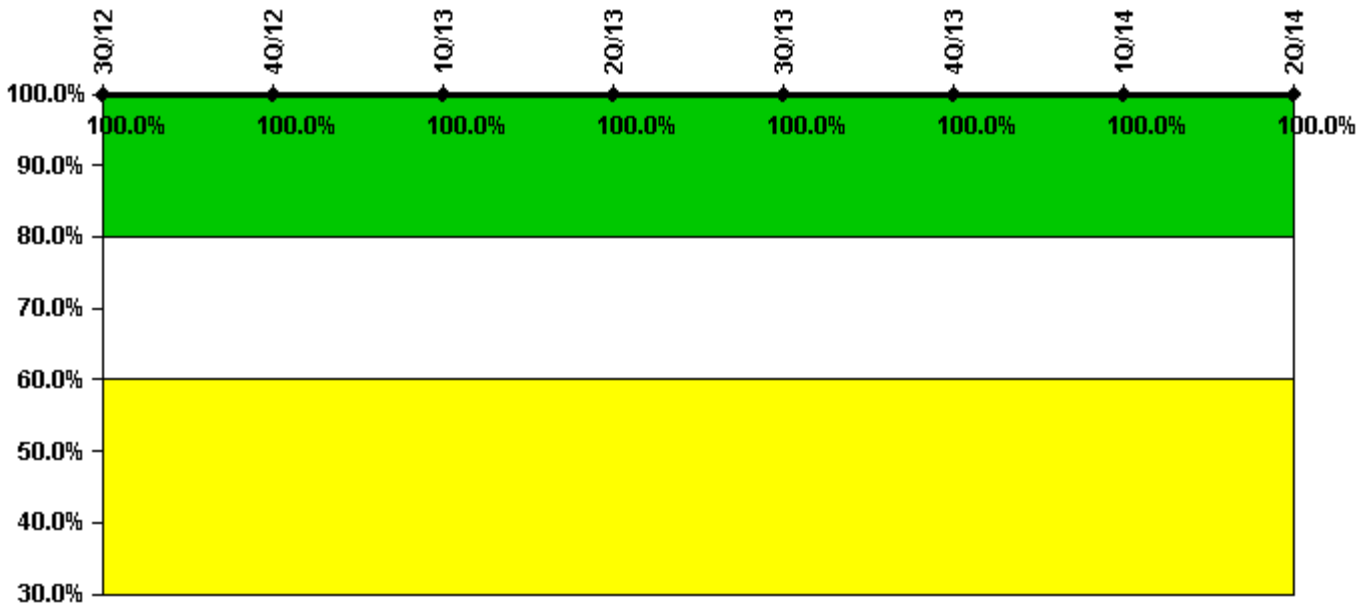
#### Notes

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	374.0	266.0	101.0	298.0	291.0	127.0	50.0	108.0
Total opportunities	374.0	269.0	101.0	299.0	297.0	127.0	51.0	110.0
Indicator value	98.5%	98.6%	98.8%	98.9%	99.1%	99.3%	99.2%	99.2%

Licensee Comments:

4Q/12: Change to the November 2012 Shift Manager/control Room supervisor training events from 112/113 to 116/117.

### ERO Drill Participation



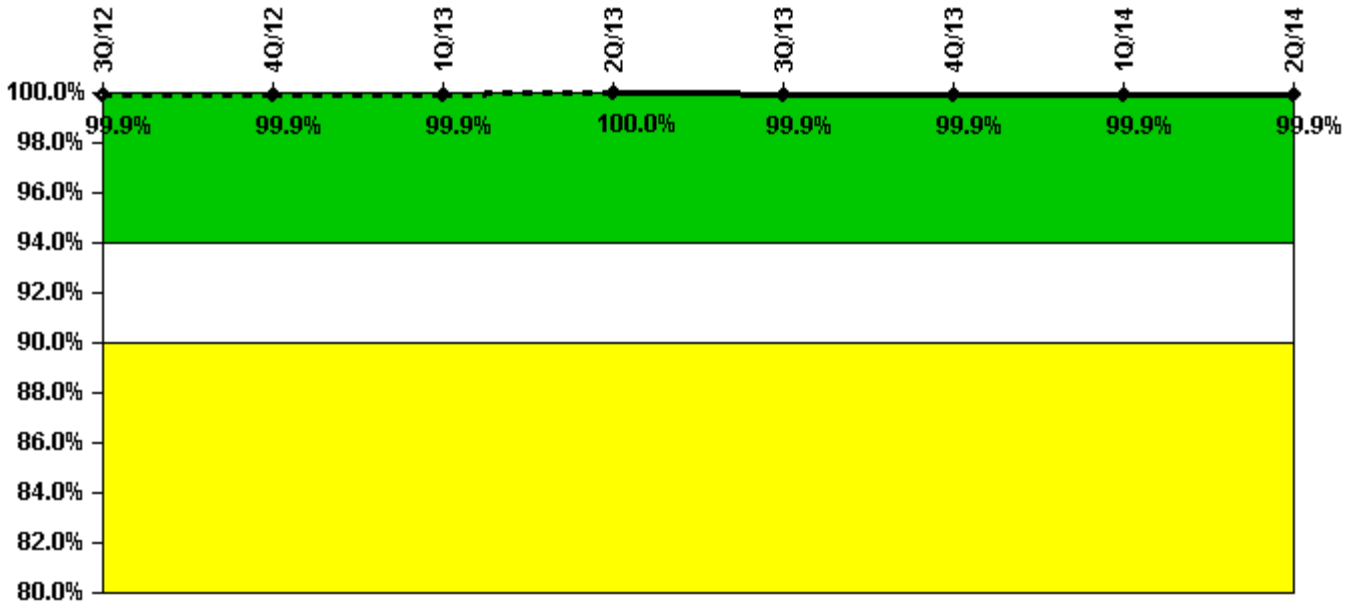
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	106.0	104.0	106.0	104.0	109.0	111.0	104.0	104.0
Total Key personnel	106.0	104.0	106.0	104.0	109.0	111.0	104.0	104.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



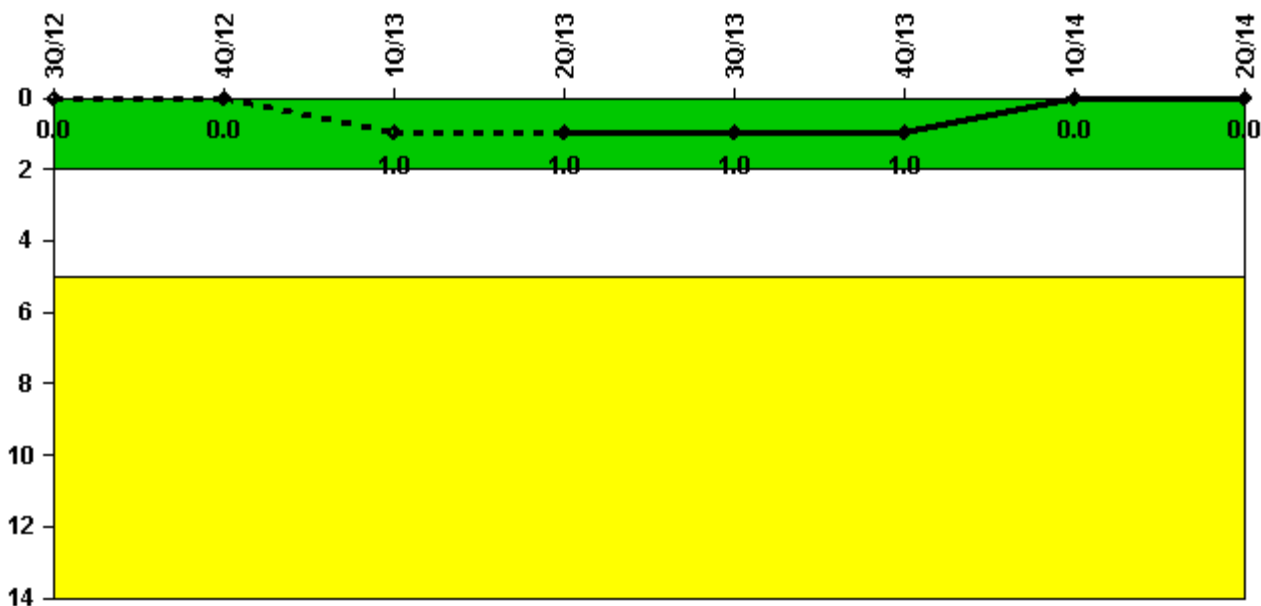
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	1415	577	1015	1077	936	1303	1148	1156
Total sirens-tests	1415	577	1015	1077	938	1304	1148	1158
Indicator value	99.9%	99.9%	99.9%	100.0%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

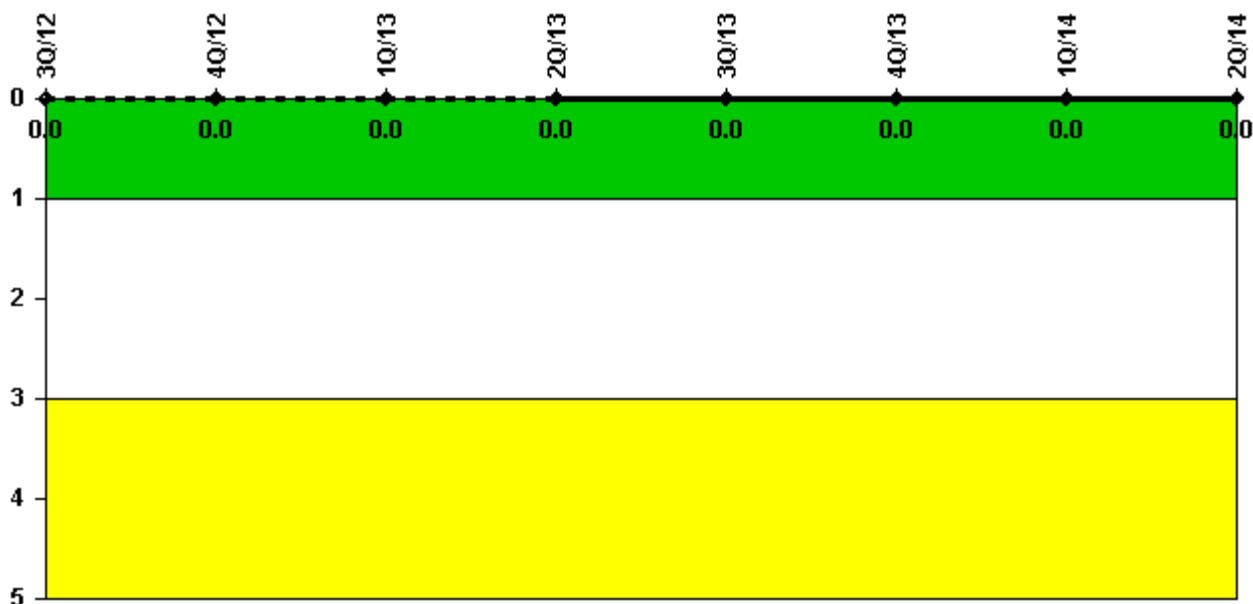
#### Notes

Occupational Exposure Control Effectiveness	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
High radiation area occurrences	0	0	1	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>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>

#### Licensee Comments:

1Q/13: Per reporting guidelines of NEI 99-02 recorded a count at unit 2 for an event at unit 3 where following shutdown for refueling outage 3R17 workers re-entered containment without an RP escort while the containment was posted as a locked high radiation area in non-compliance with RWP-2013-3028.

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/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: 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 31, 2014*