

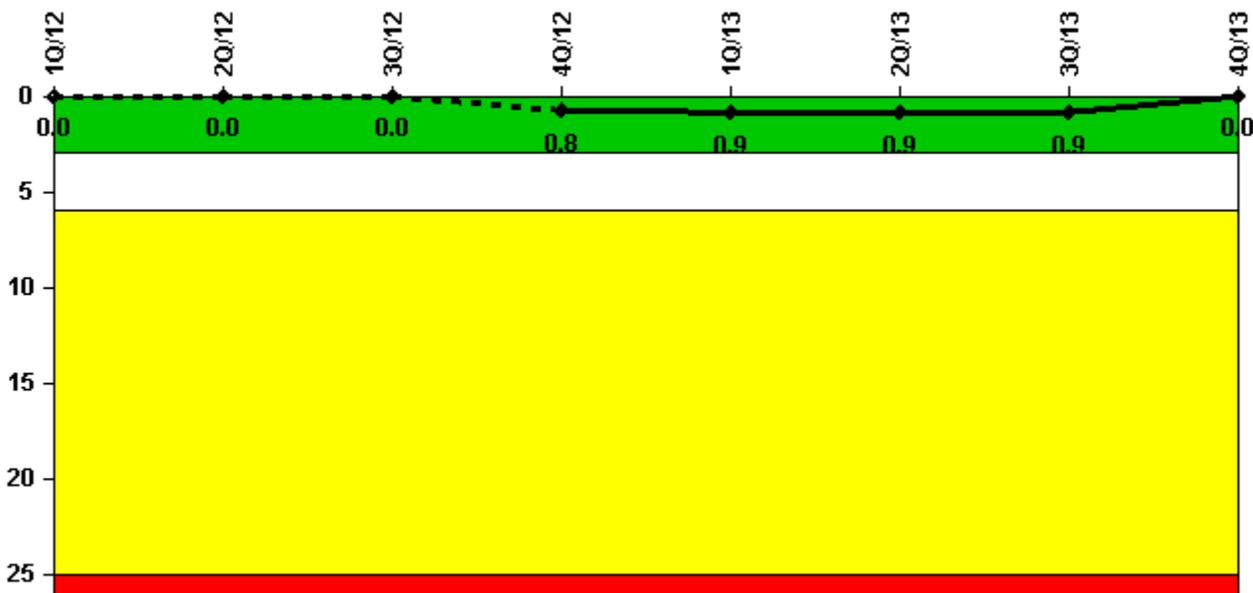
## Indian Point 3

### 4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Change to reflect final count of last day of quarter licensed operator simulator training results

**Unplanned Scrams per 7000 Critical Hrs**



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

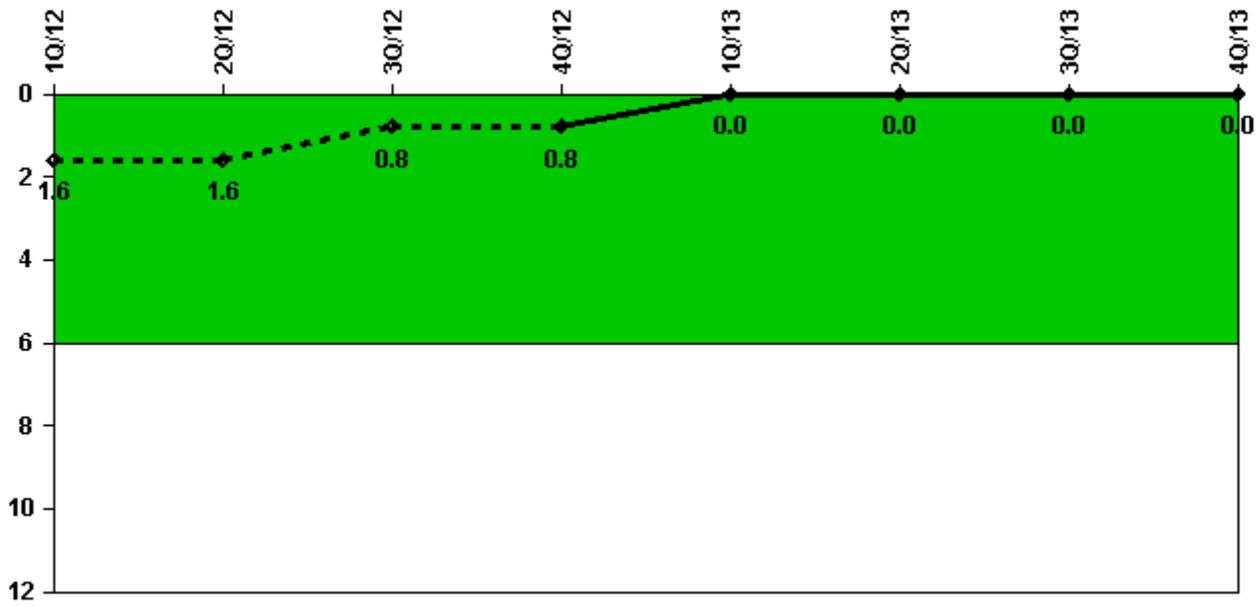
**Notes**

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2183.0	2170.2	2208.0	2143.7	1532.6	2184.0	2138.6	2209.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0</b>

Licensee Comments:

4Q/12: Automatic reactor trip due to a turbine-generator trip as a result of a direct trip from the Buchanan Switchyard. Generator trip caused by a trip of the 345 kV output breakers 1 and 3 as a result of a fault on 345 kV feeders W97 and W98 due to Con Edison feeder tower insulator damage from the effects of superstorm Sandy.

### Unplanned Power Changes per 7000 Critical Hrs



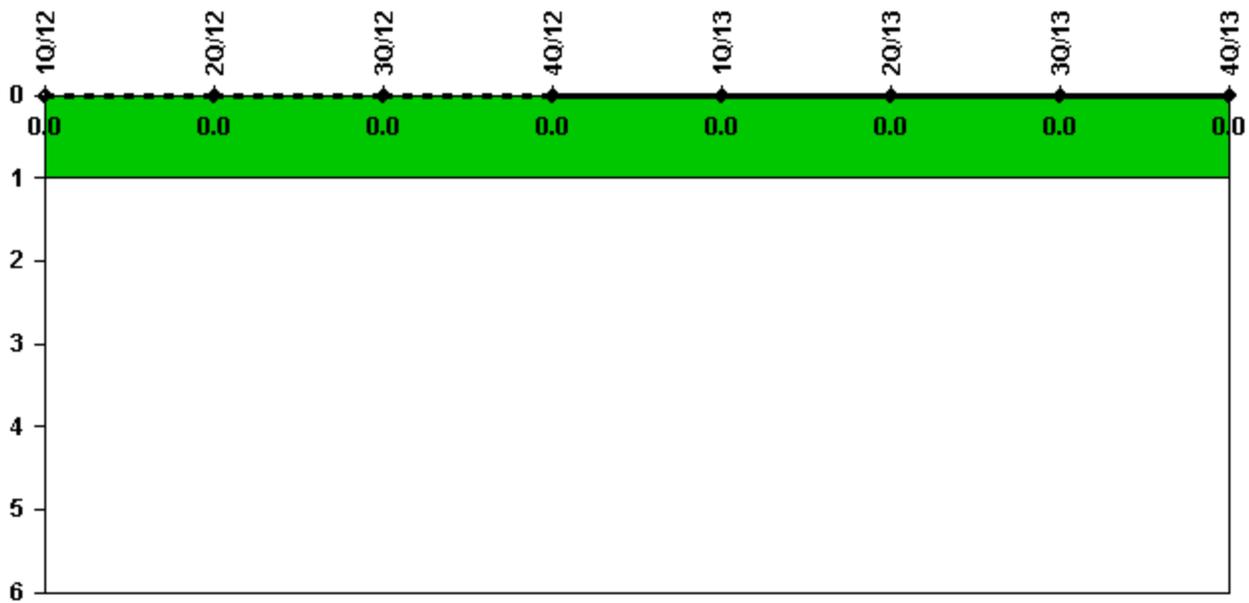
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2183.0	2170.2	2208.0	2143.7	1532.6	2184.0	2138.6	2209.0
<b>Indicator value</b>	<b>1.6</b>	<b>1.6</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Unplanned Scrams with Complications



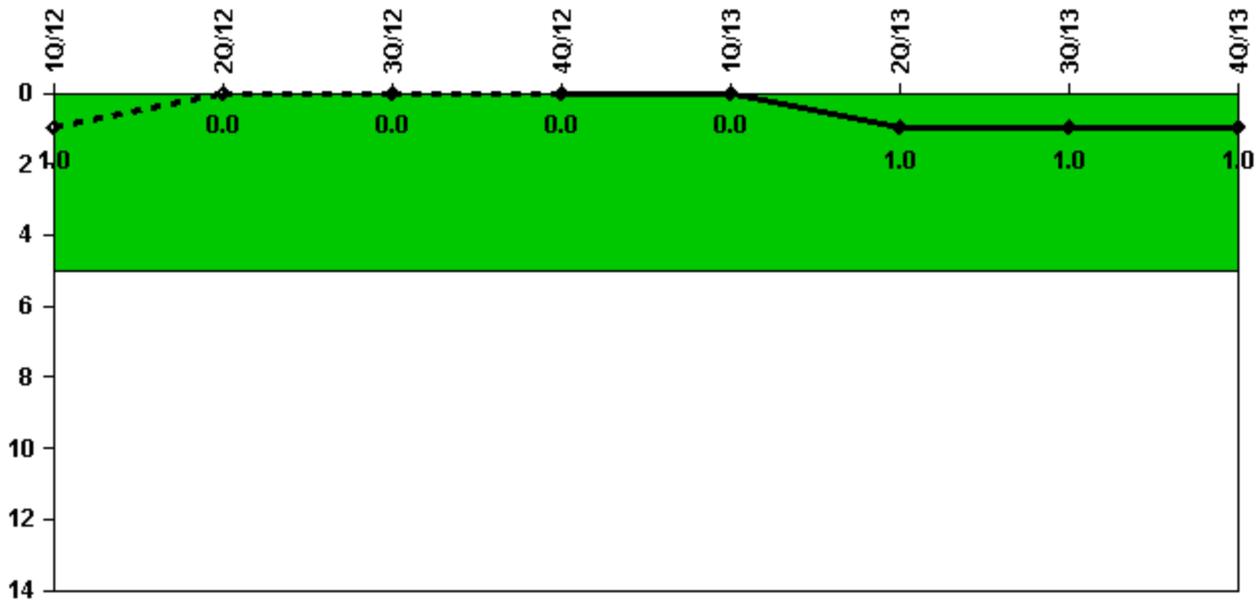
Thresholds: White > 1.0

#### Notes

Unplanned Scrams with Complications	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>							

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

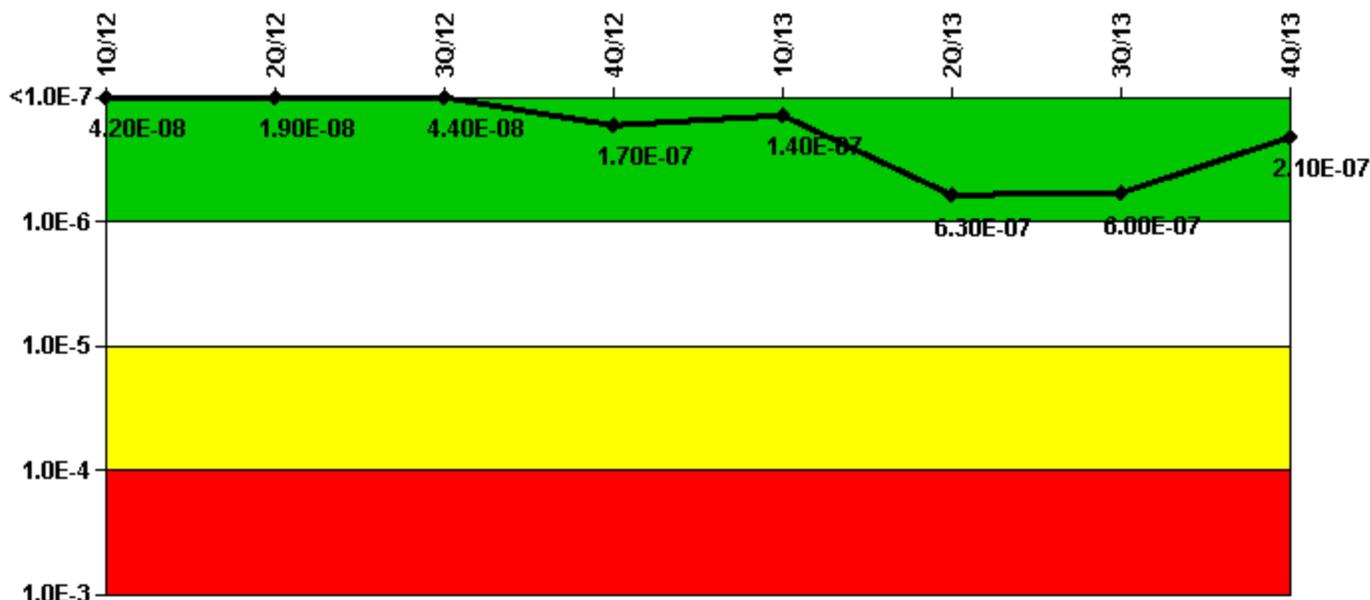
#### Notes

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

Licensee Comments:

2Q/13: LER-2013-002 reported on April 29, 2013, a safety system functional failure due to an inoperable ECCS caused by violation of the containment sump debris barrier integrity.

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



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

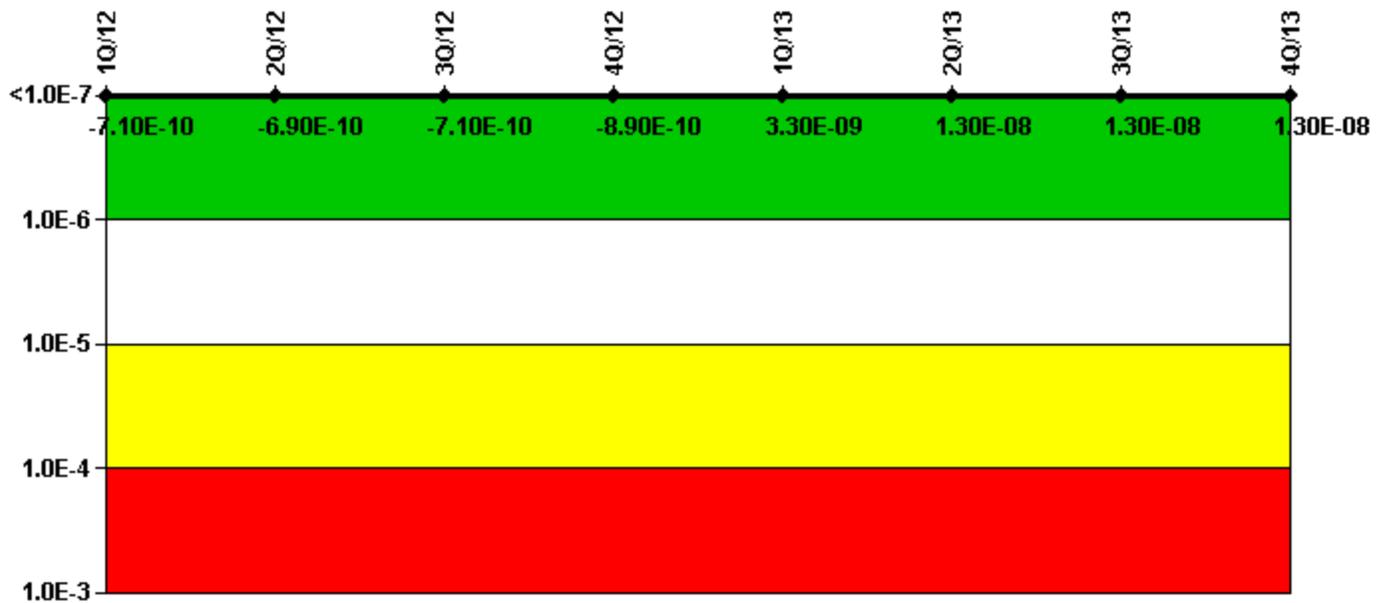
#### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI ( $\Delta$ CDF)	1.44E-07	1.01E-07	1.11E-07	1.24E-07	1.25E-07	3.85E-07	3.44E-07	3.59E-07
URI ( $\Delta$ CDF)	-1.02E-07	-8.28E-08	-6.70E-08	4.91E-08	1.12E-08	2.41E-07	2.51E-07	-1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.20E-08	1.90E-08	4.40E-08	1.70E-07	1.40E-07	6.30E-07	6.00E-07	2.10E-07

Licensee Comments:

2Q/13: PRA Baseline data required changes as a result of PRA model update/upgrades to meet Regulatory Guide 1.200 and changes to plant procedures, equipment and performance. Changes to the MSPI Basis Document included the System Unavailability Risk Importance Data, EAC Monitored Component PRA Information. The MSPIs remained within the Green Band.

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



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

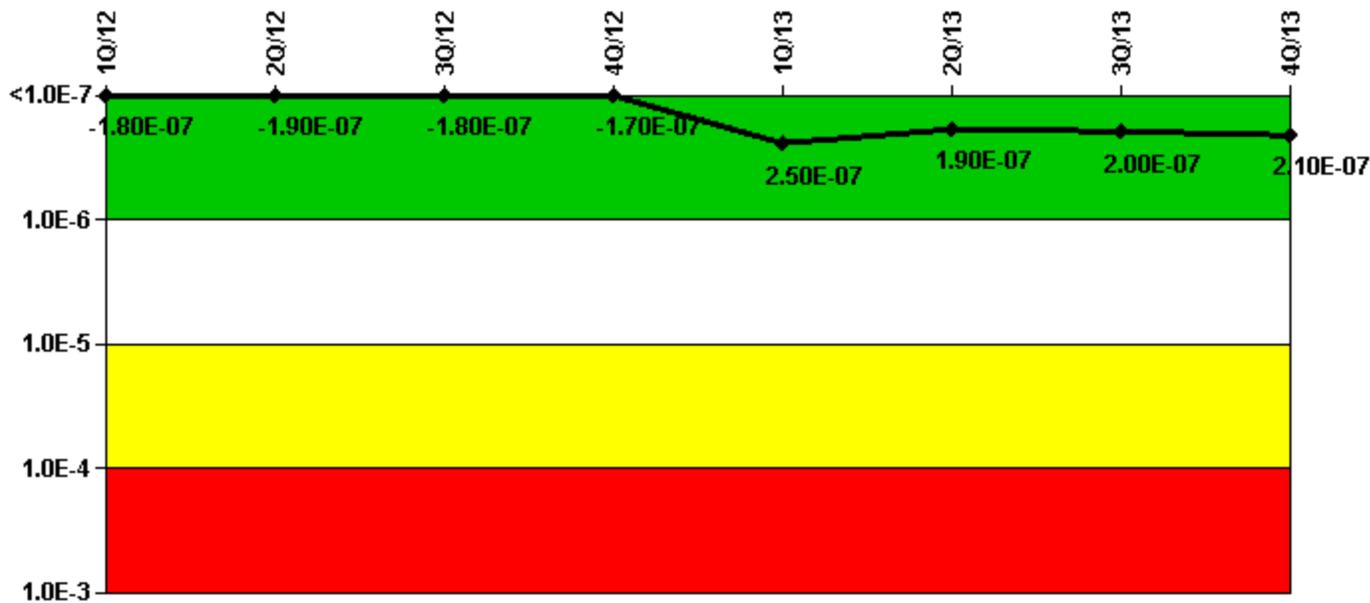
#### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI ( $\Delta$ CDF)	-7.07E-11	-9.48E-11	-1.14E-10	-3.20E-10	-2.71E-10	3.17E-10	2.78E-10	2.45E-10
URI ( $\Delta$ CDF)	-6.42E-10	-5.90E-10	-5.97E-10	-5.70E-10	3.54E-09	1.29E-08	1.29E-08	1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.10E-10	-6.90E-10	-7.10E-10	-8.90E-10	3.30E-09	1.30E-08	1.30E-08	1.30E-08

#### Licensee Comments:

2Q/13: PRA Baseline data required changes as a result of PRA model update/upgrades to meet Regulatory Guide 1.200 and changes to plant procedures, equipment and performance. Changes to the MSPI Basis Document included the System Unavailability Risk Importance Data, EAC Monitored Component PRA Information. The MSPIs remained within the Green Band.

### 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	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (ΔCDF)	5.44E-08	1.75E-08	1.30E-08	1.50E-08	1.49E-08	2.04E-08	1.95E-08	2.76E-08
URI (ΔCDF)	-2.32E-07	-2.05E-07	-1.92E-07	-1.82E-07	2.36E-07	1.72E-07	1.80E-07	1.79E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.80E-07	-1.90E-07	-1.80E-07	-1.70E-07	2.50E-07	1.90E-07	2.00E-07	2.10E-07

Licensee Comments:

4Q/13: Risk Cap Invoked.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked. PRA Baseline data required changes as a result of PRA model update/upgrades to meet Regulatory Guide 1.200 and changes to plant procedures, equipment and performance. Changes to the MSPI Basis Document included the System Unavailability Risk Importance Data, EAC Monitored Component PRA Information. The MSPIs remained within the Green Band.

1Q/13: On March 3, 2013, the turbine driven auxiliary feedwater pump failed its scheduled full flow test. The condition resulted in 17.77 unplanned unavailable hours and a MSPI functional failure.

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



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

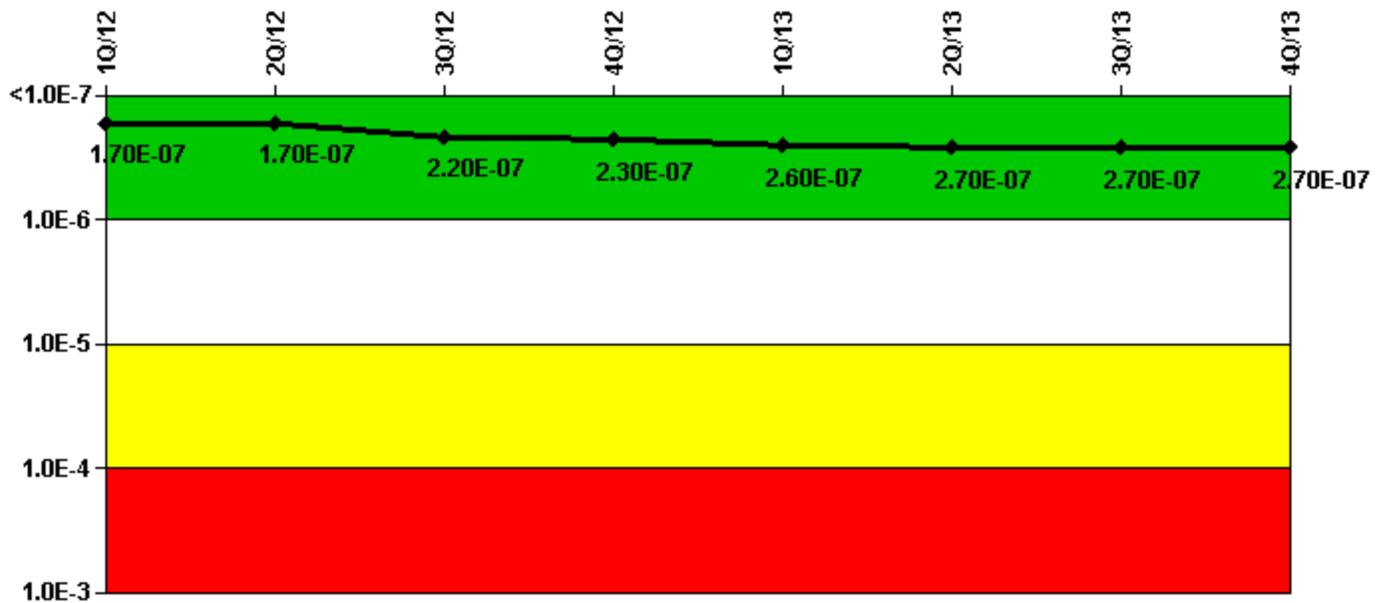
#### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI ( $\Delta$ CDF)	-1.10E-08	-1.10E-08	-1.10E-08	-1.14E-08	-1.14E-08	-1.44E-08	-1.36E-08	-1.36E-08
URI ( $\Delta$ CDF)	-3.60E-09	-2.94E-09	-2.90E-09	-2.94E-09	-4.28E-09	-1.44E-08	-1.45E-08	-1.45E-08
PLE	NO							
Indicator value	-1.50E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.60E-08	-2.90E-08	-2.80E-08	-2.80E-08

Licensee Comments:

2Q/13: PRA Baseline data required changes as a result of PRA model update/upgrades to meet Regulatory Guide 1.200 and changes to plant procedures, equipment and performance. Changes to the MSPI Basis Document included the System Unavailability Risk Importance Data, EAC Monitored Component PRA Information. The MSPIs remained within the Green Band.

### Mitigating Systems Performance Index, Cooling Water Systems



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

#### Notes

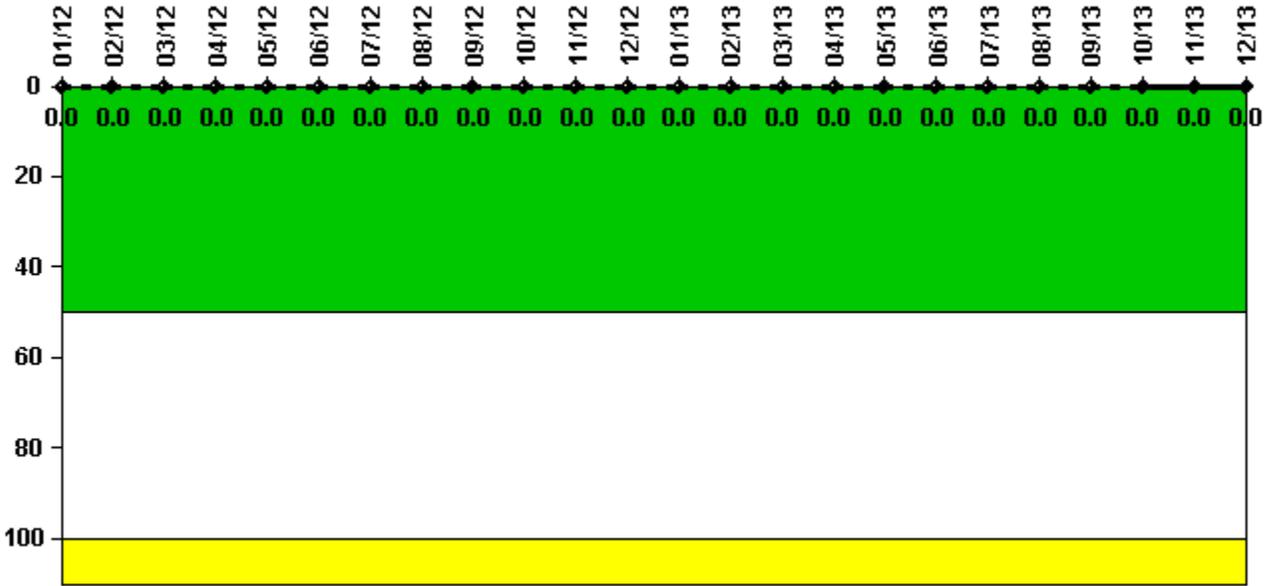
Mitigating Systems Performance Index, Cooling Water Systems	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (ΔCDF)	1.79E-07	1.81E-07	1.94E-07	1.98E-07	2.32E-07	2.24E-07	2.26E-07	2.27E-07
URI (ΔCDF)	-7.73E-09	-7.37E-09	2.76E-08	2.75E-08	2.36E-08	4.45E-08	4.47E-08	4.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.70E-07	1.70E-07	2.20E-07	2.30E-07	2.60E-07	2.70E-07	2.70E-07	2.70E-07

#### Licensee Comments:

2Q/13: PRA Baseline data required changes as a result of PRA model update/upgrades to meet Regulatory Guide 1.200 and changes to plant procedures, equipment and performance. Changes to the MSPI Basis Document included the System Unavailability Risk Importance Data, EAC Monitored Component PRA Information. The MSPIs remained within the Green Band. CWS also included changes to the CCW calculation of Risk Ratio with IE Correction Factor.

1Q/13: Change to planned unavailable hours for the 31 SWP and the 35 SWP in february 2013 adding planned unavailable hours for the change-out of the SWP discharge check valves when the reactor was critical. Planned unavailable hours for the 34 SWP and the 36 SWP for change-out of their discharge check valves was deleted because during that time the reactor was not critical (outage).

### Reactor Coolant System Activity



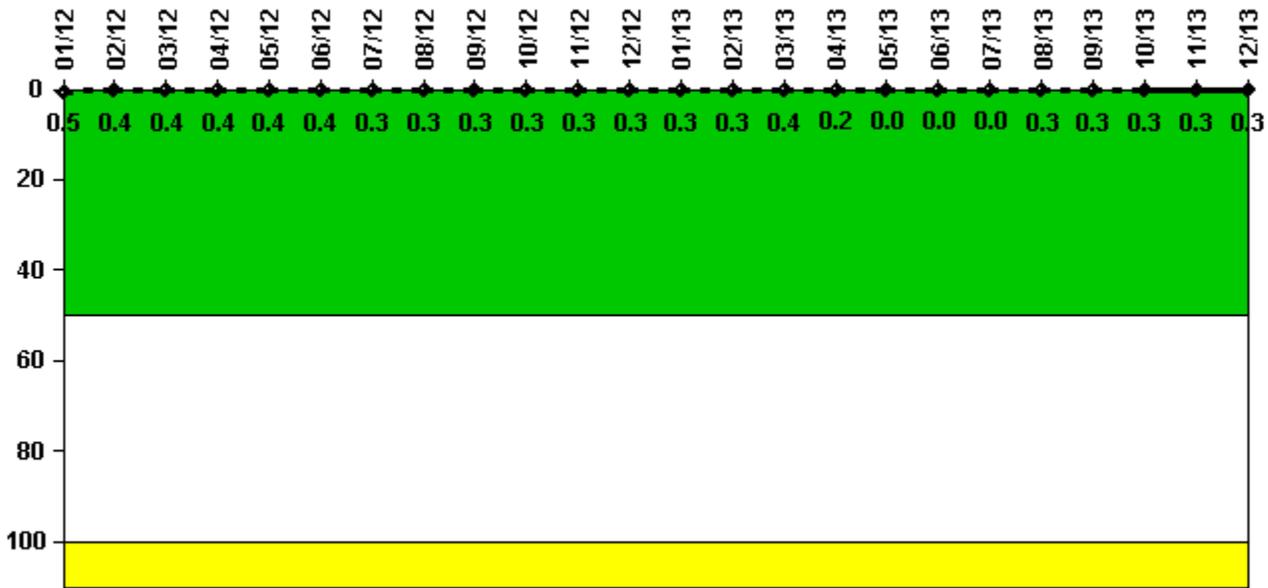
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum activity	0.000186	0.000292	0.000206	0.000190	0.000203	0.000226	0.000219	0.000220	0.000226	0.000288	0.000222	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	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum activity	0.000245	0.000243	0.000240	0.000094	0.000106	0.000115	0.000128	0.000115	0.000116	0.000123	0.000124	0.000130
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



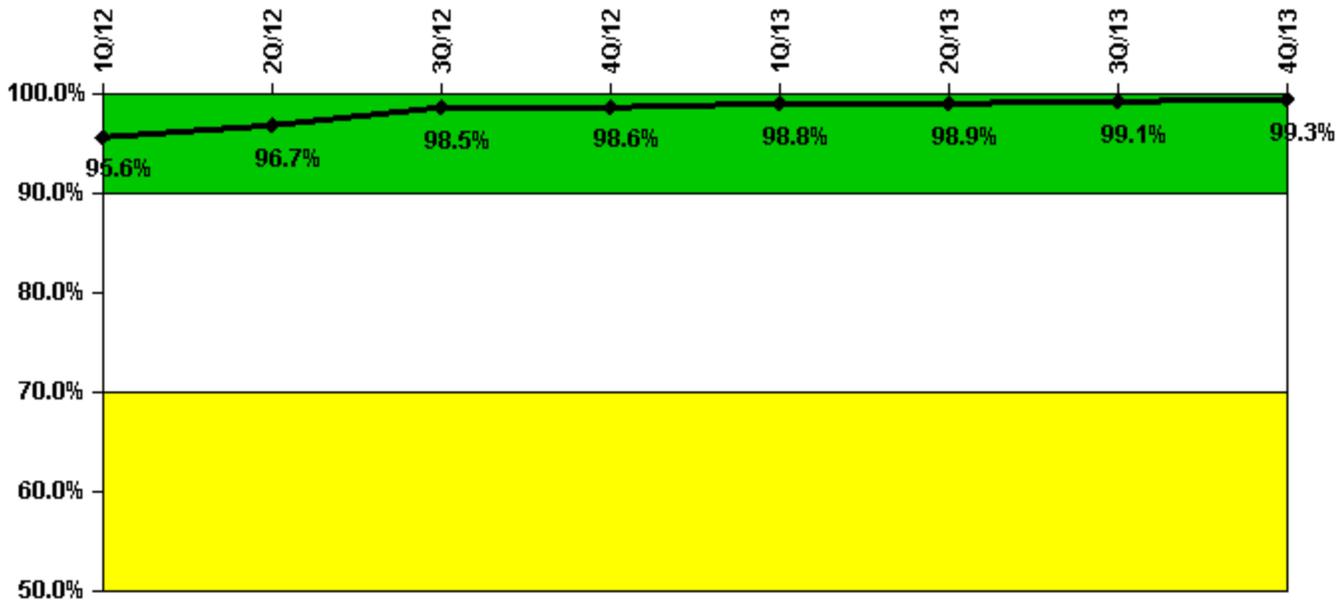
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	0.050	0.040	0.040	0.040	0.040	0.040	0.030	0.030	0.030	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	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	0.030	0.030	0.040	0.020	0	0.004	0.004	0.030	0.030	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	0.3	0.3	0.4	0.2	0	0	0	0.3	0.3	0.3	0.3	0.3

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

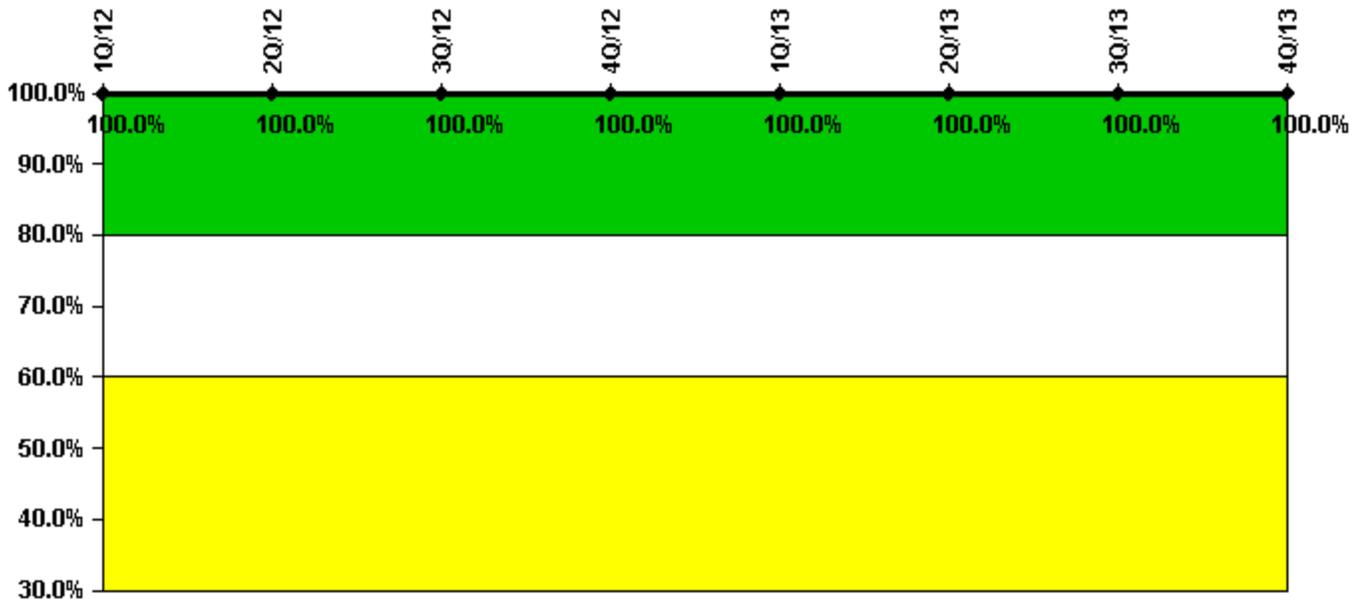
#### Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	131.0	289.0	374.0	266.0	101.0	298.0	291.0	127.0
Total opportunities	131.0	293.0	374.0	269.0	101.0	299.0	297.0	127.0
Indicator value	95.6%	96.7%	98.5%	98.6%	98.8%	98.9%	99.1%	99.3%

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



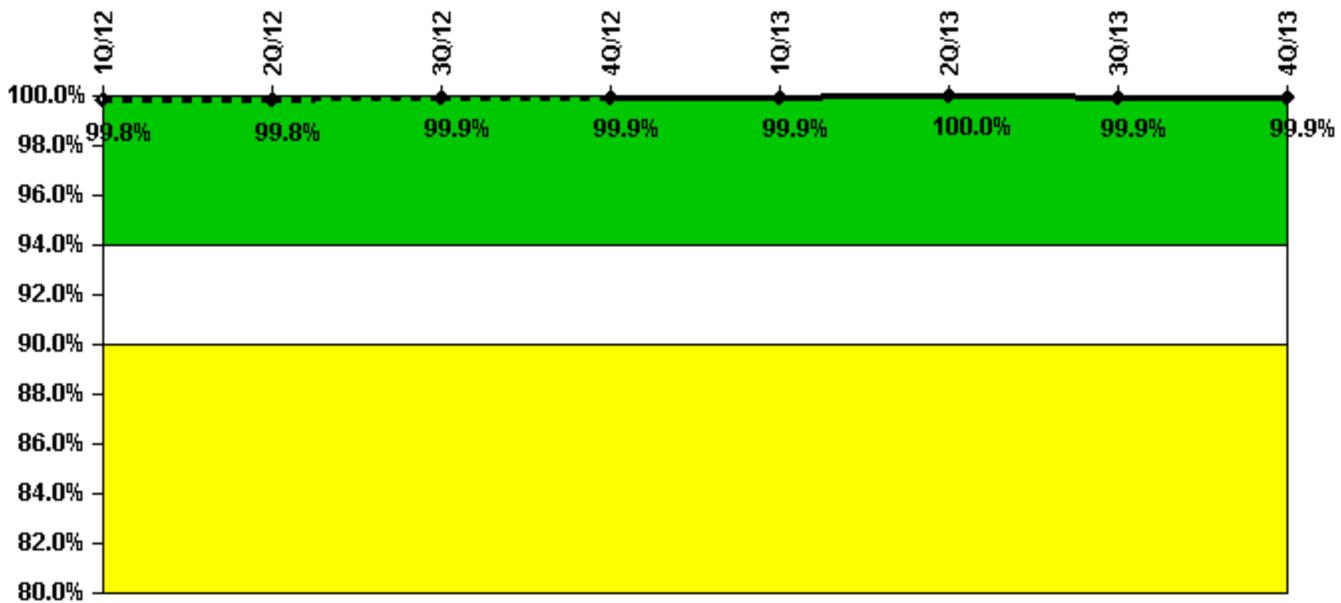
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	106.0	105.0	106.0	104.0	106.0	104.0	109.0	111.0
Total Key personnel	106.0	105.0	106.0	104.0	106.0	104.0	109.0	111.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



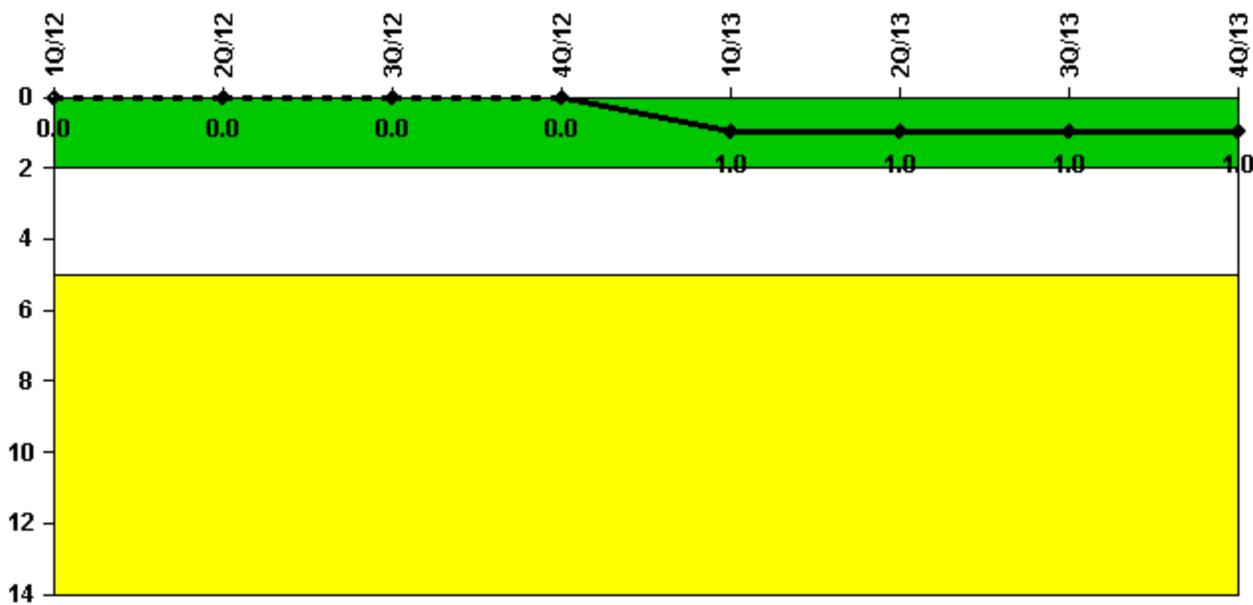
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	956	787	1415	577	1015	1077	936	1303
Total sirens-tests	957	789	1415	577	1015	1077	938	1304
Indicator value	99.8%	99.8%	99.9%	99.9%	99.9%	100.0%	99.9%	99.9%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

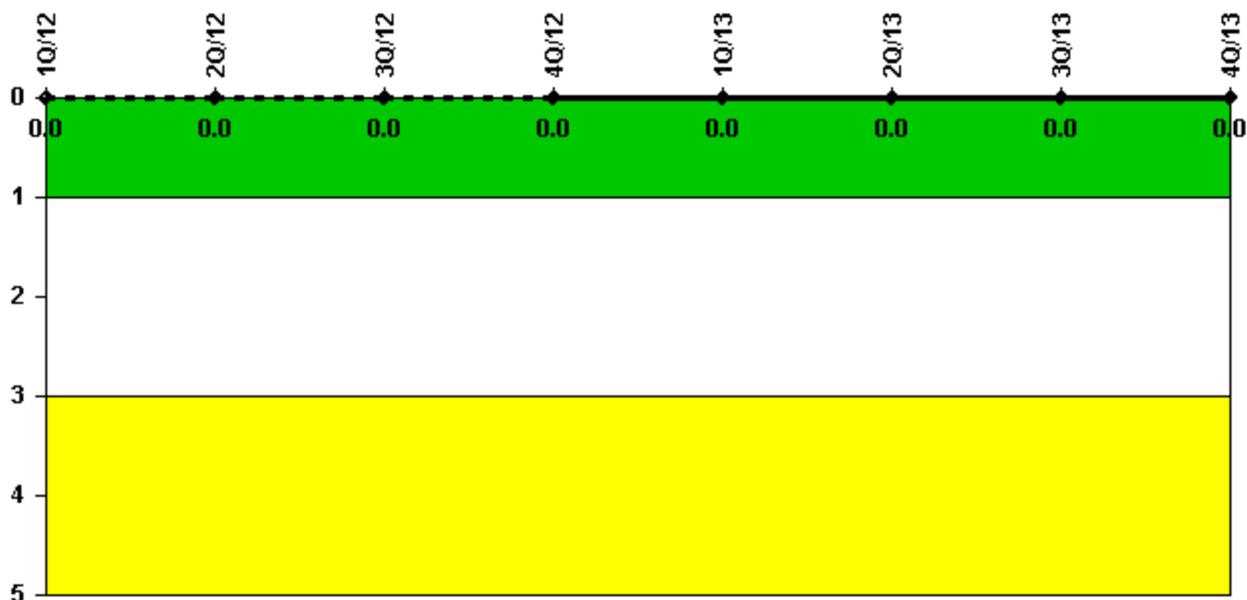
#### Notes

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

Licensee Comments:

1Q/13: Inadequate access control to a locked high radiation area at the start of refueling outage 3R17 on March 4, 2013, when workers re-entered containment that was posted as a locked high radiation area without an RP escort.

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</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: January 22, 2014*