

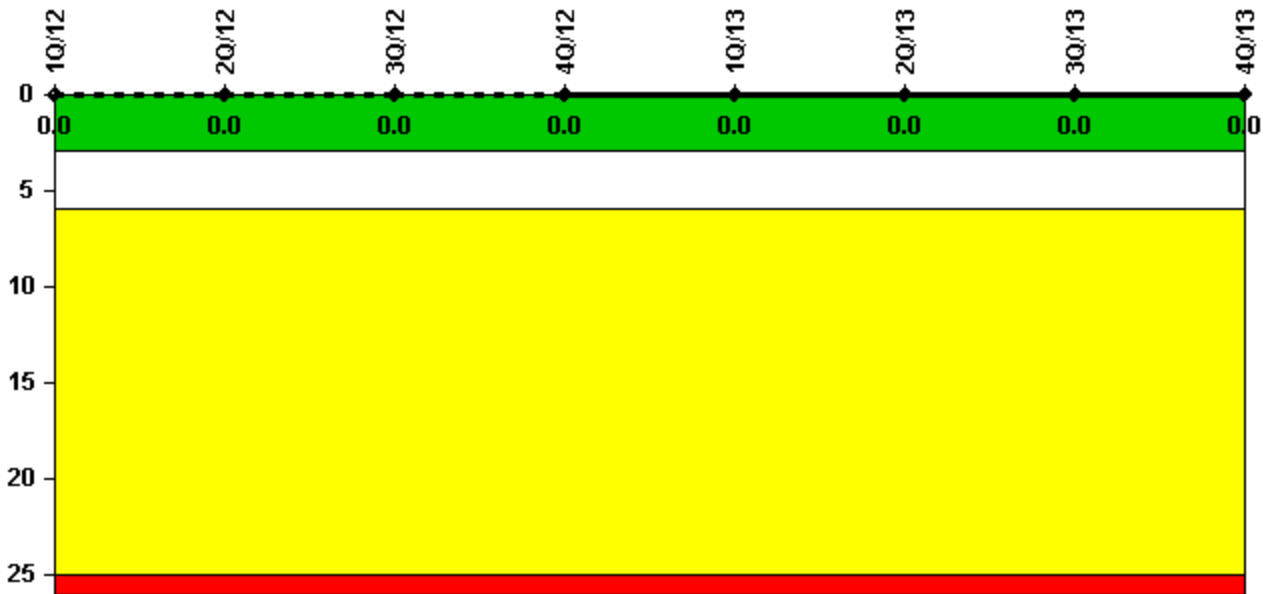
# Harris 1

## 4Q/2013 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

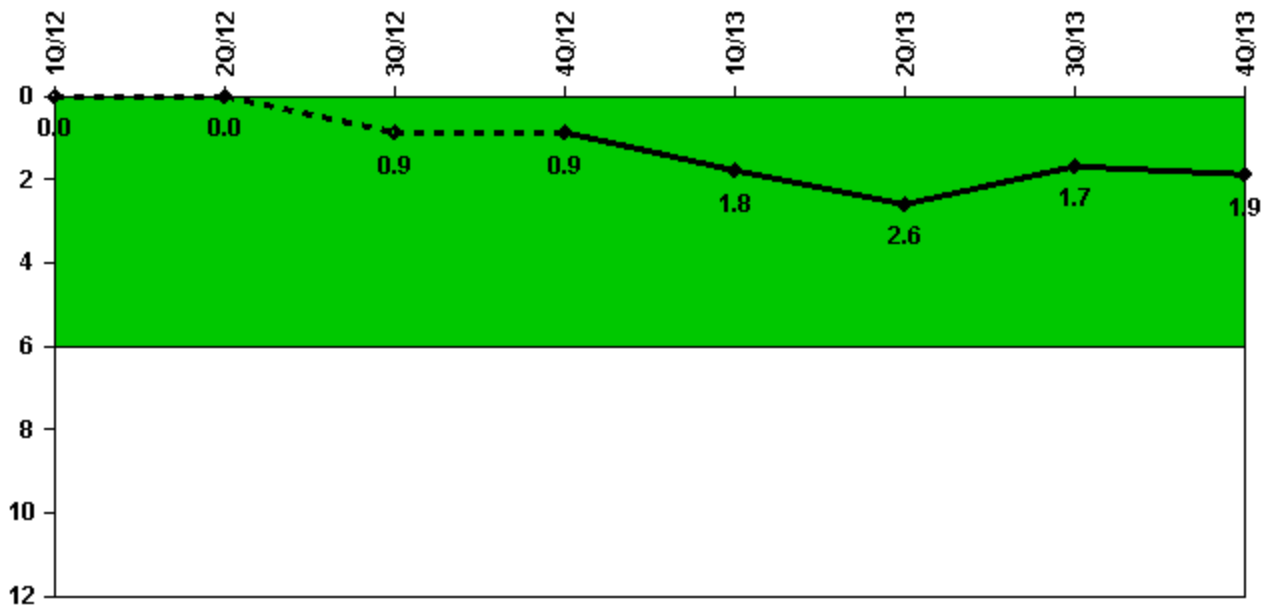
### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	1072.9	2208.0	2209.0	2159.0	1656.8	2208.0	1454.1
<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:

2Q/12: There was a planned unit shutdown for RFO-17 starting April 21, 2012 and continuing into June 2012.

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

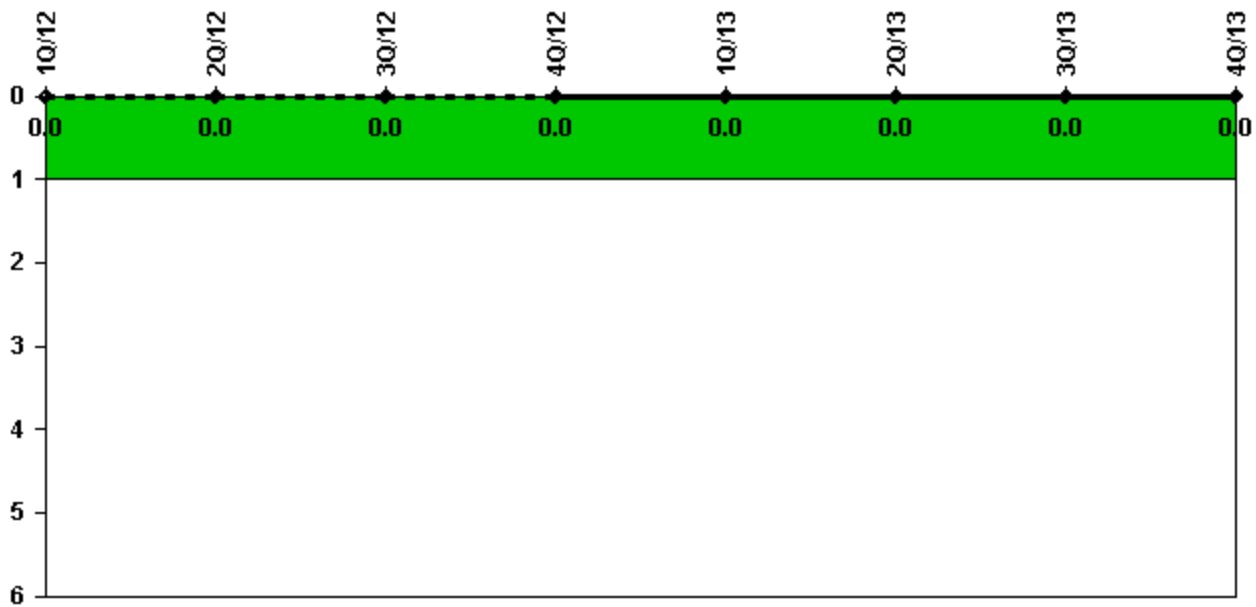
#### Notes

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	0	0	1.0	0	1.0	1.0	0	0
Critical hours	2183.0	1072.9	2208.0	2209.0	2159.0	1656.8	2208.0	1454.1
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.9</b>	<b>1.8</b>	<b>2.6</b>	<b>1.7</b>	<b>1.9</b>

Licensee Comments:

2Q/12: There was a planned unit shutdown for RFO-17 starting April 21, 2012 and continuing into June 2012.

### Unplanned Scrams with Complications



Thresholds: White > 1.0

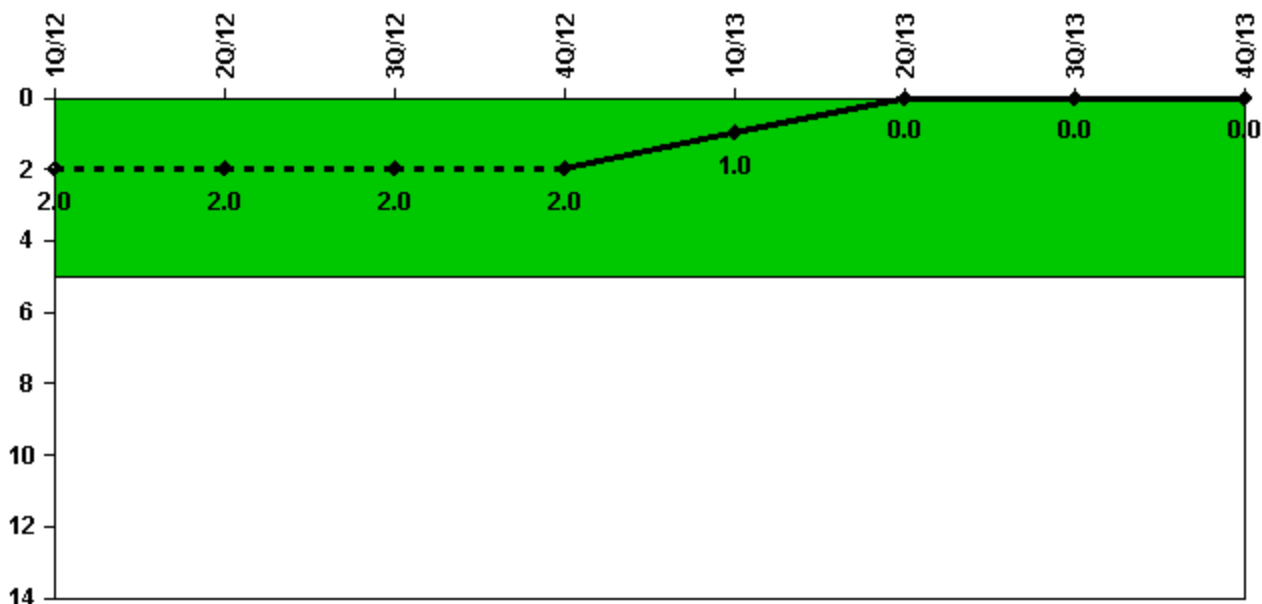
#### Notes

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>	<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:

2Q/12: There was a planned unit shutdown for RFO-17 starting April 21, 2012 and continuing into June 2012.

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

#### Notes

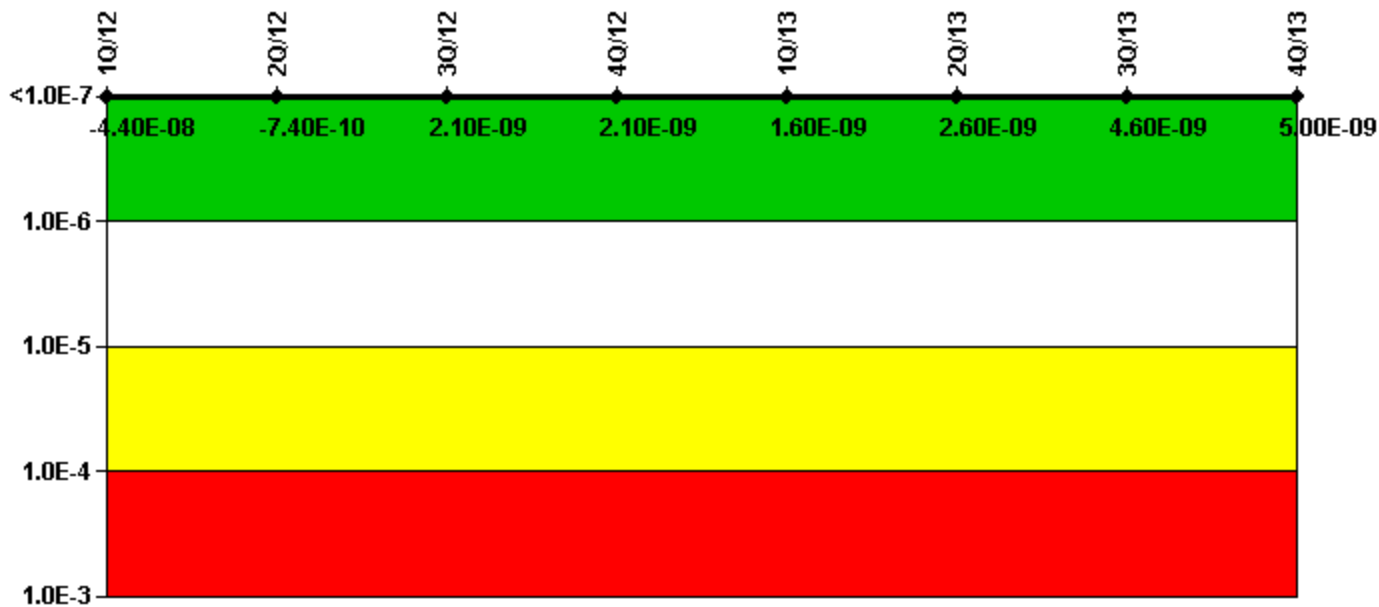
Safety System Functional Failures (PWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	1	1	0	0	0	0	0	0
<b>Indicator value</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments:

2Q/12: One LER (2012-001-00) was submitted for the month of June 2012, which describes a condition where unexpected long-term corrosion of valve piston rings caused delayed closing of Main Steam Isolation Valves.

1Q/12: One LER (2011-002-00) was submitted which describes an event in which the 1B-SB Emergency Diesel Generator was found to be inoperable because the engine may not have run for the entire seven day mission time due to drift of the speed setting.

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



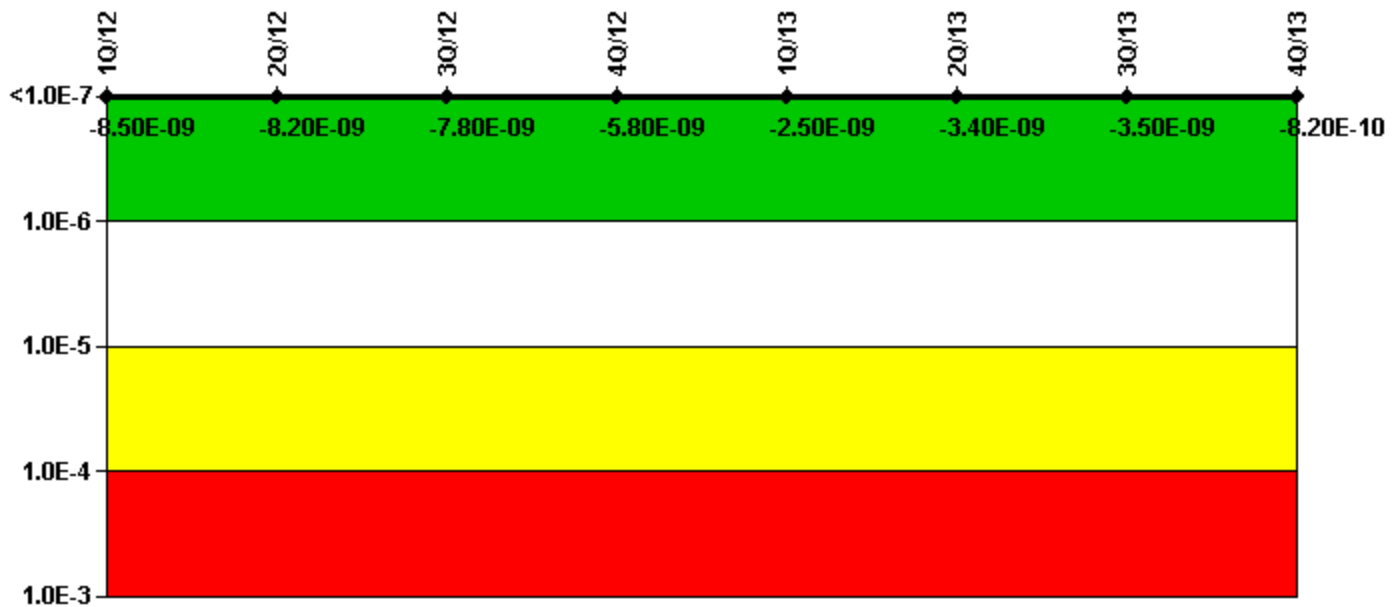
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### 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 (ΔCDF)	9.54E-09	1.02E-08	1.27E-08	1.23E-08	1.14E-08	1.21E-08	1.37E-08	1.37E-08
URI (ΔCDF)	-5.33E-08	-1.09E-08	-1.06E-08	-1.02E-08	-9.84E-09	-9.46E-09	-9.08E-09	-8.68E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.40E-08	-7.40E-10	2.10E-09	2.10E-09	1.60E-09	2.60E-09	4.60E-09	5.00E-09

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	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI ( $\Delta$ CDF)	1.75E-09	2.00E-09	2.28E-09	4.18E-09	7.32E-09	6.40E-09	6.14E-09	8.73E-09
URI ( $\Delta$ CDF)	-1.03E-08	-1.02E-08	-1.01E-08	-9.96E-09	-9.86E-09	-9.76E-09	-9.65E-09	-9.55E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.50E-09	-8.20E-09	-7.80E-09	-5.80E-09	-2.50E-09	-3.40E-09	-3.50E-09	-8.20E-10

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



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

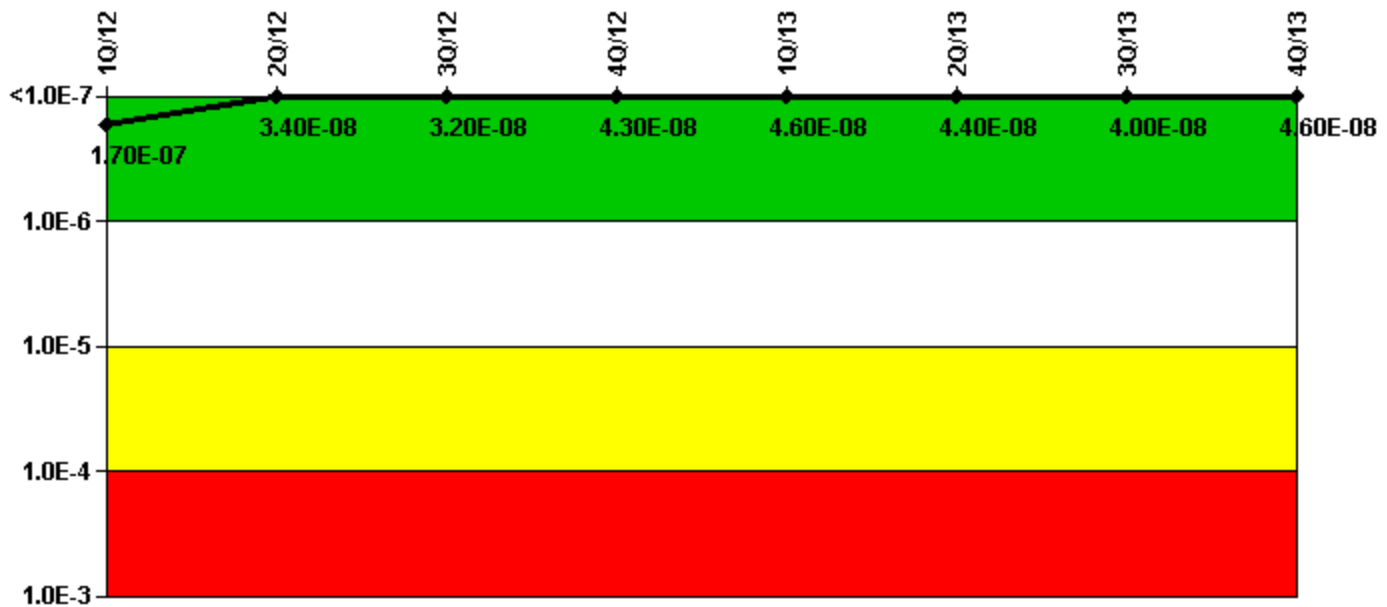
#### Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI ( $\Delta$ CDF)	8.30E-09	-6.82E-09	-1.15E-08	-7.34E-09	3.36E-10	1.40E-09	4.23E-09	8.44E-09
URI ( $\Delta$ CDF)	-7.38E-08	-7.36E-08	-7.33E-08	-7.28E-08	-7.07E-08	-7.00E-08	-6.91E-08	-6.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.60E-08	-8.00E-08	-8.50E-08	-8.00E-08	-7.00E-08	-6.90E-08	-6.50E-08	-6.00E-08

Licensee Comments:

1Q/12: 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

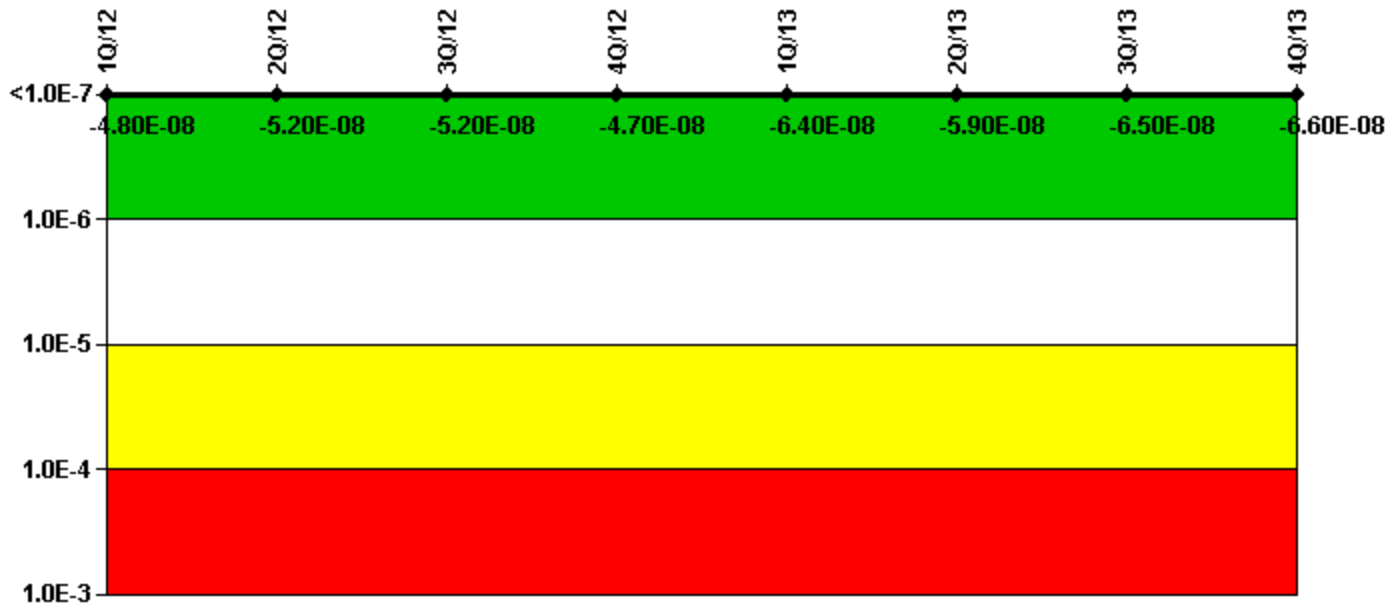
#### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (ΔCDF)	7.93E-09	1.04E-08	7.45E-09	1.81E-08	2.03E-08	1.81E-08	1.30E-08	1.83E-08
URI (ΔCDF)	1.65E-07	2.37E-08	2.43E-08	2.49E-08	2.55E-08	2.62E-08	2.68E-08	2.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.70E-07	3.40E-08	3.20E-08	4.30E-08	4.60E-08	4.40E-08	4.00E-08	4.60E-08

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



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

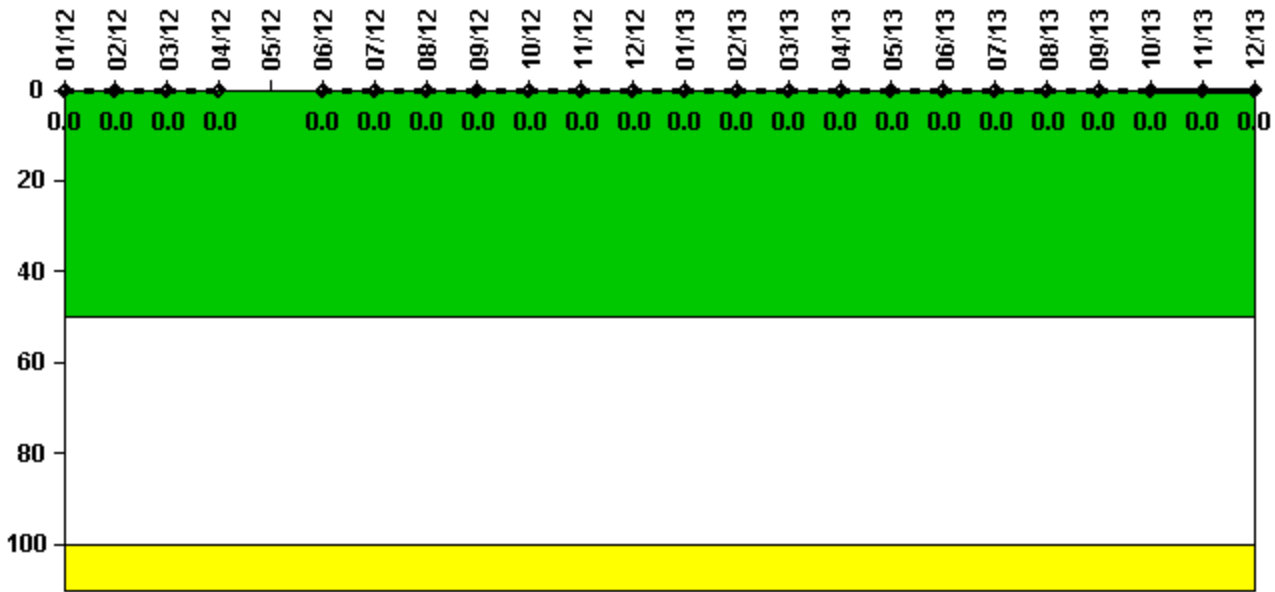
#### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI ( $\Delta$ CDF)	5.82E-08	5.43E-08	5.38E-08	5.84E-08	4.04E-08	4.60E-08	3.88E-08	3.73E-08
URI ( $\Delta$ CDF)	-1.06E-07	-1.06E-07	-1.06E-07	-1.05E-07	-1.05E-07	-1.04E-07	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.80E-08	-5.20E-08	-5.20E-08	-4.70E-08	-6.40E-08	-5.90E-08	-6.50E-08	-6.60E-08

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

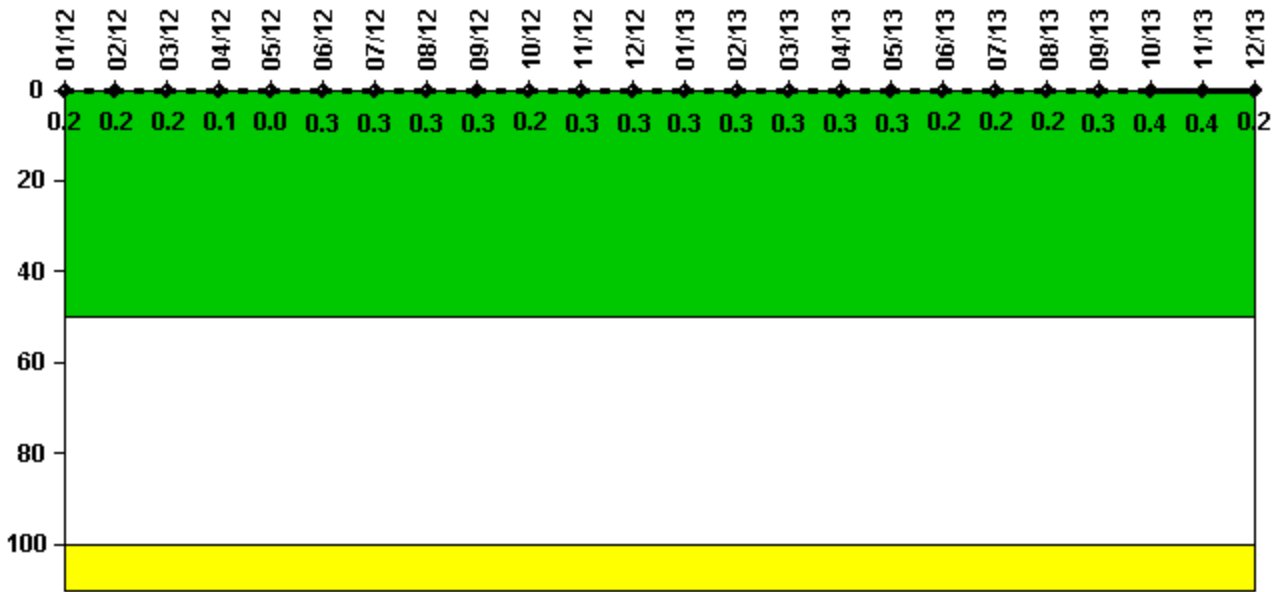
Reactor Coolant System Activity	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum activity	0.000202	0.000147	0.000158	0.000253	N/A	0.000049	0.000060	0.000347	0.000074	0.000122	0.000087	0.000146
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	N/A	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	0.000156	0.000186	0.000130	0.000111	0.000111	0.000118	0.000122	0.000125	0.000143	0.000136	0.000136	0.000085
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



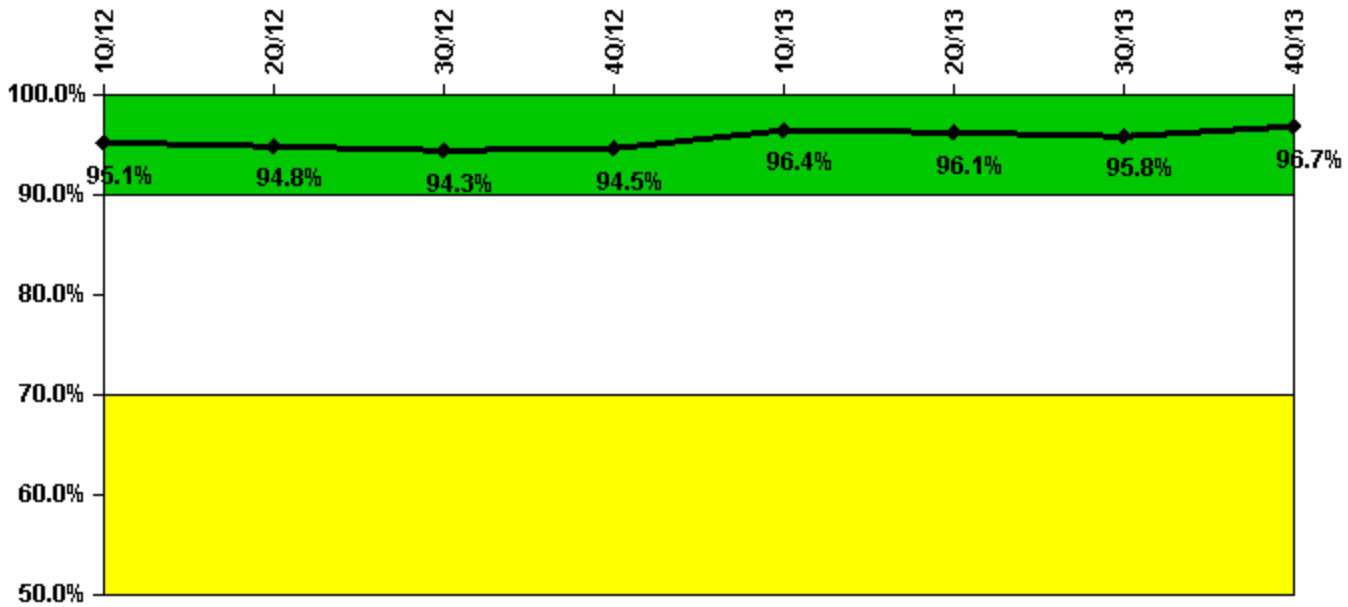
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.017	0.016	0.016	0.014	0	0.026	0.026	0.025	0.027	0.024	0.026	0.026
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
<b>Indicator value</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.1</b>	<b>0</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>
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	0.028	0.027	0.027	0.028	0.025	0.023	0.022	0.024	0.029	0.037	0.035	0.024
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
<b>Indicator value</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>0.2</b>

Licensee Comments: none

### Drill/Exercise Performance



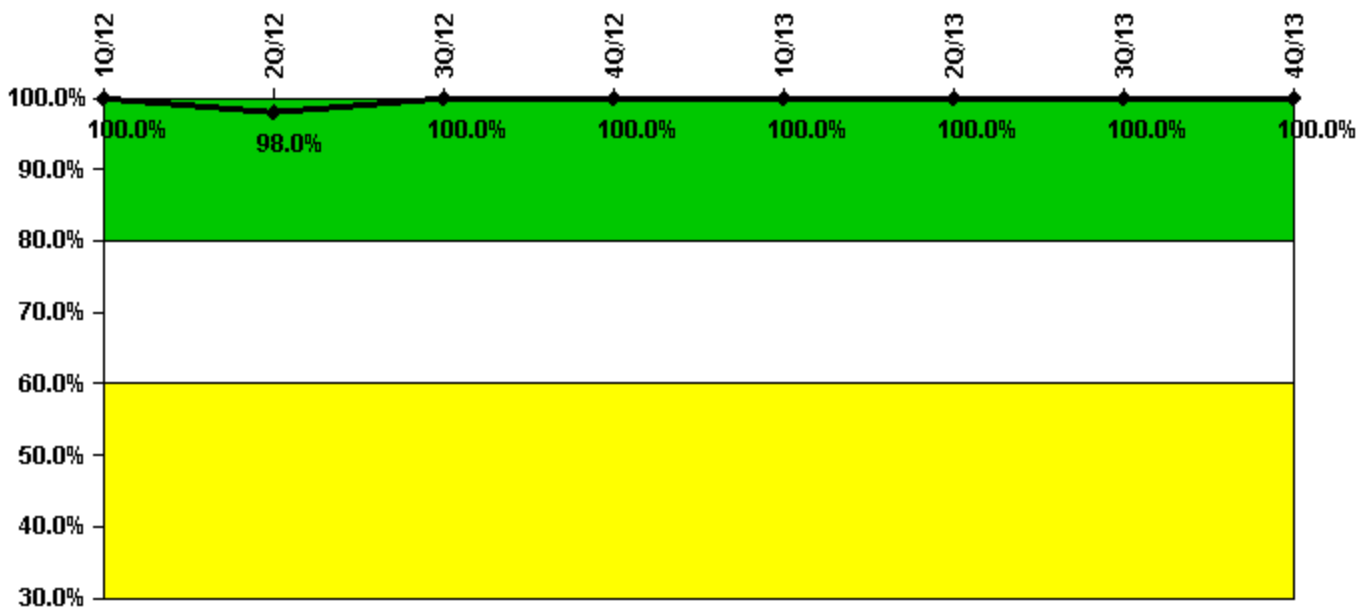
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	25.0	2.0	43.0	15.0	45.0	9.0	13.0	22.0
Total opportunities	25.0	2.0	46.0	15.0	46.0	10.0	14.0	22.0
Indicator value	95.1%	94.8%	94.3%	94.5%	96.4%	96.1%	95.8%	96.7%

Licensee Comments: none

### ERO Drill Participation



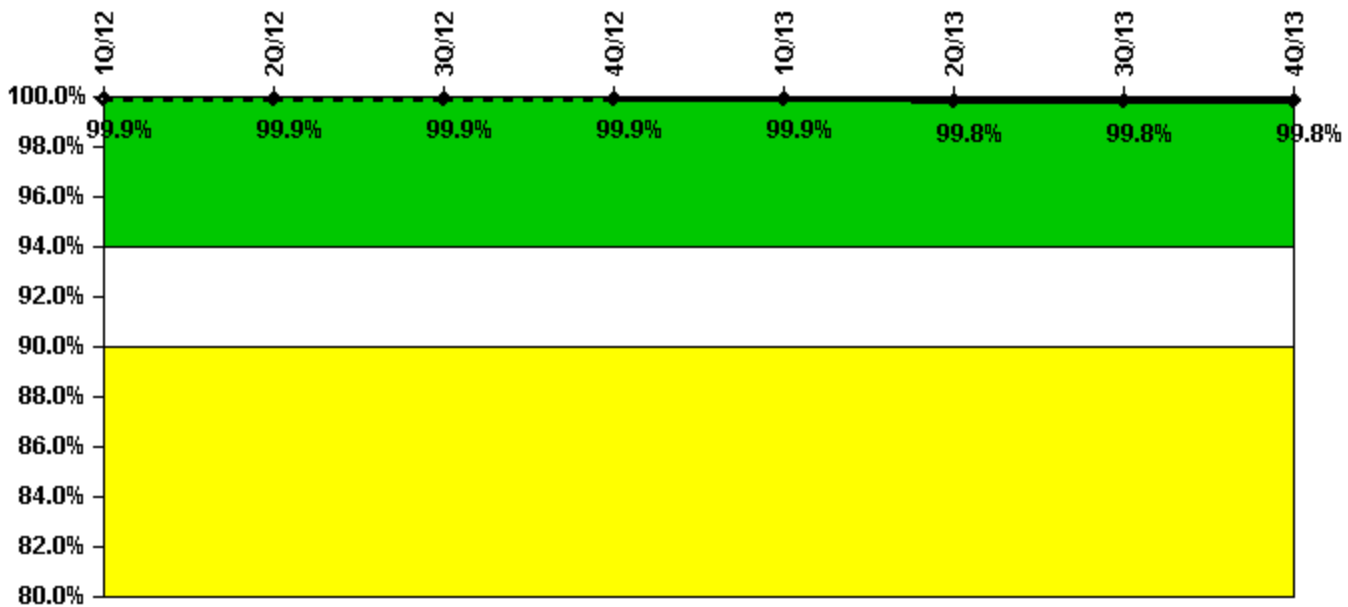
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	54.0	50.0	50.0	51.0	50.0	50.0	49.0	54.0
Total Key personnel	54.0	51.0	50.0	51.0	50.0	50.0	49.0	54.0
Indicator value	100.0%	98.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



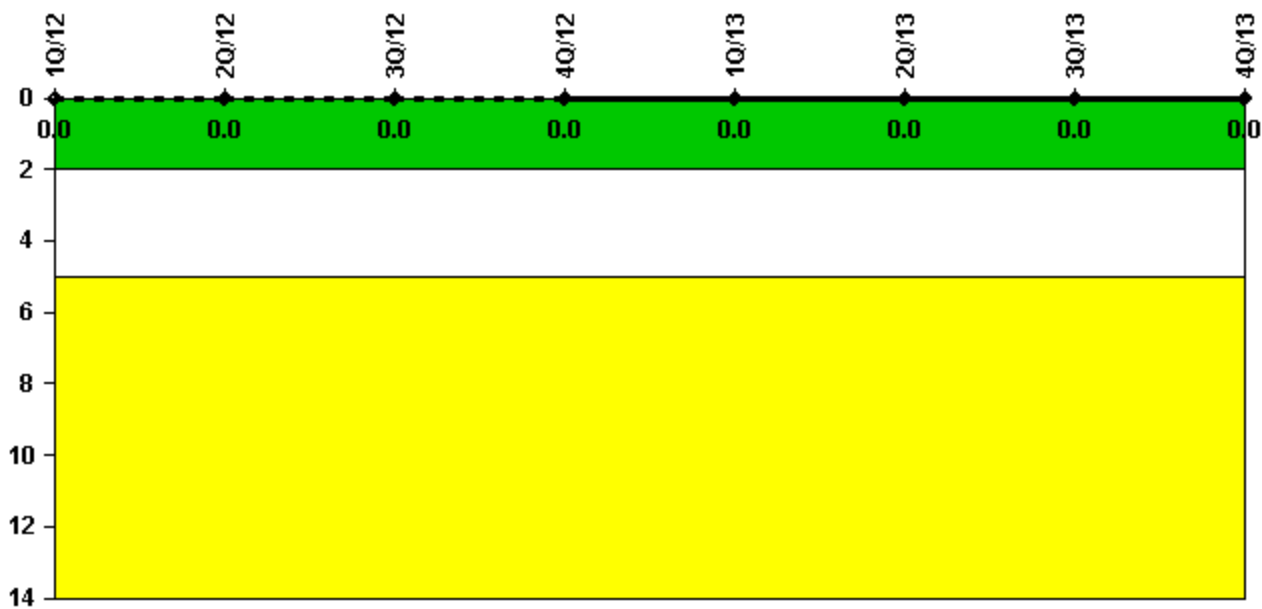
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	664	581	746	580	664	579	746	663
Total sirens-tests	664	581	747	581	664	581	747	664
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	99.8%	99.8%	99.8%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



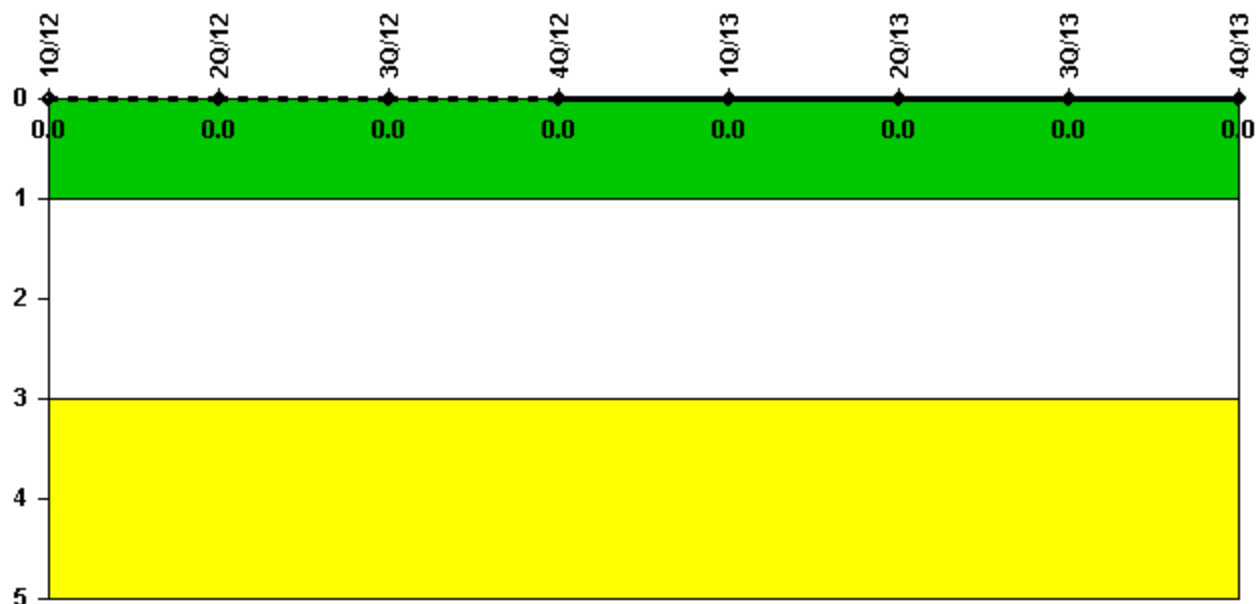
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
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: none

### 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>	<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: January 22, 2014*