

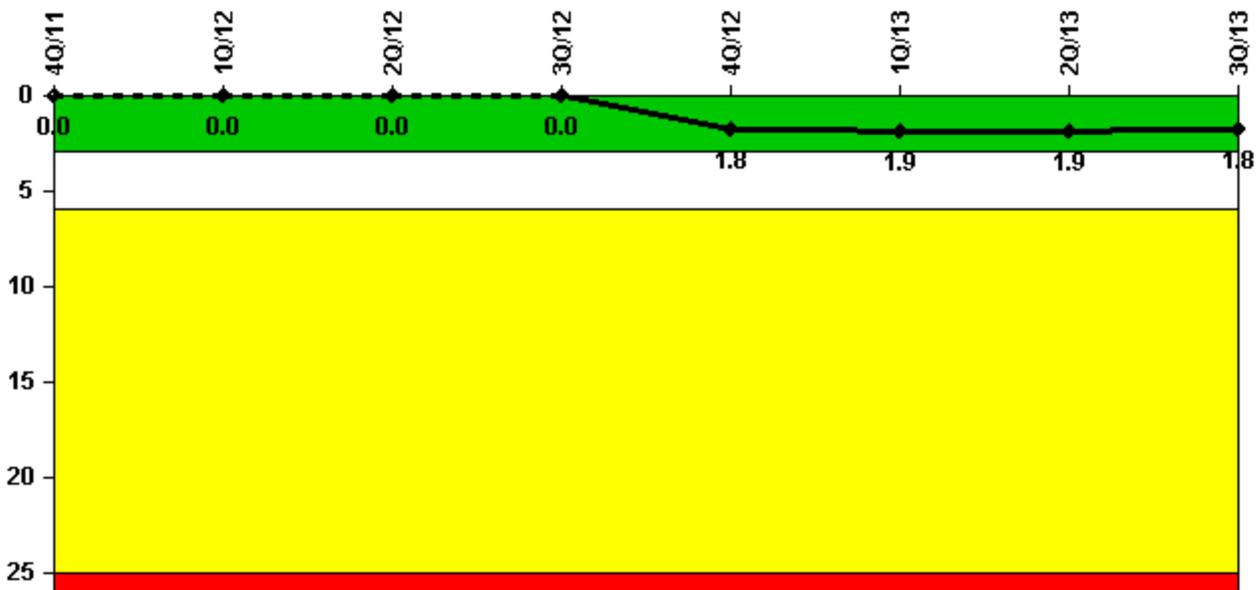
# FitzPatrick

## 3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



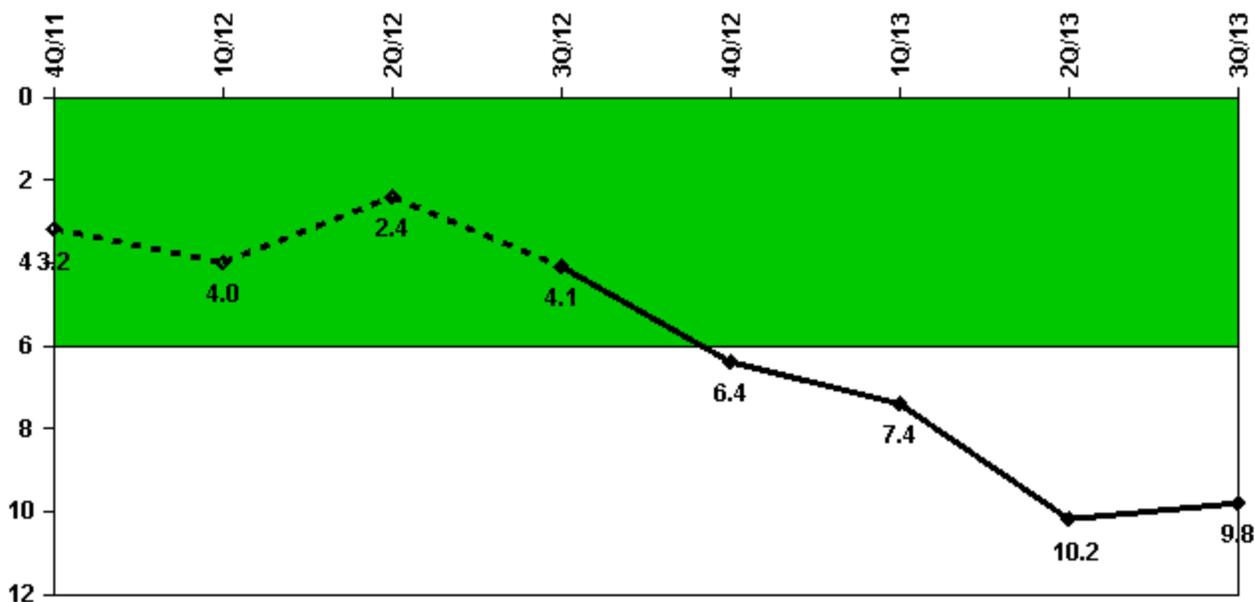
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	0	0	0	2.0	0	0	0
Critical hours	2209.0	2183.0	2184.0	1860.2	1432.9	2062.0	2184.0	2208.0
Indicator value	0	0	0	0	1.8	1.9	1.9	1.8

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	2.0	1.0	2.0	2.0	3.0	4.0	2.0
Critical hours	2209.0	2183.0	2184.0	1860.2	1432.9	2062.0	2184.0	2208.0
<b>Indicator value</b>	<b>3.2</b>	<b>4.0</b>	<b>2.4</b>	<b>4.1</b>	<b>6.4</b>	<b>7.4</b>	<b>10.2</b>	<b>9.8</b>

#### Licensee Comments:

3Q/13: Multiple downpowers are due to repairs on the Main Condenser tube inleakage. This deficiency is a known issue but individual tube failures are not predictable. Compensatory measures, such as tube plugging and tube sleeving, have been performed to mitigate Main Condenser performance. There is no affect on public or nuclear safety.

2Q/13: Multiple downpowers are due to repairs on the Main Condenser tube inleakage. This deficiency is a known issue but individual tube failures are not predictable. Compensatory measures, such as tube plugging and tube sleeving, have been performed to mitigate Main Condenser performance. There is no affect on public or nuclear safety.

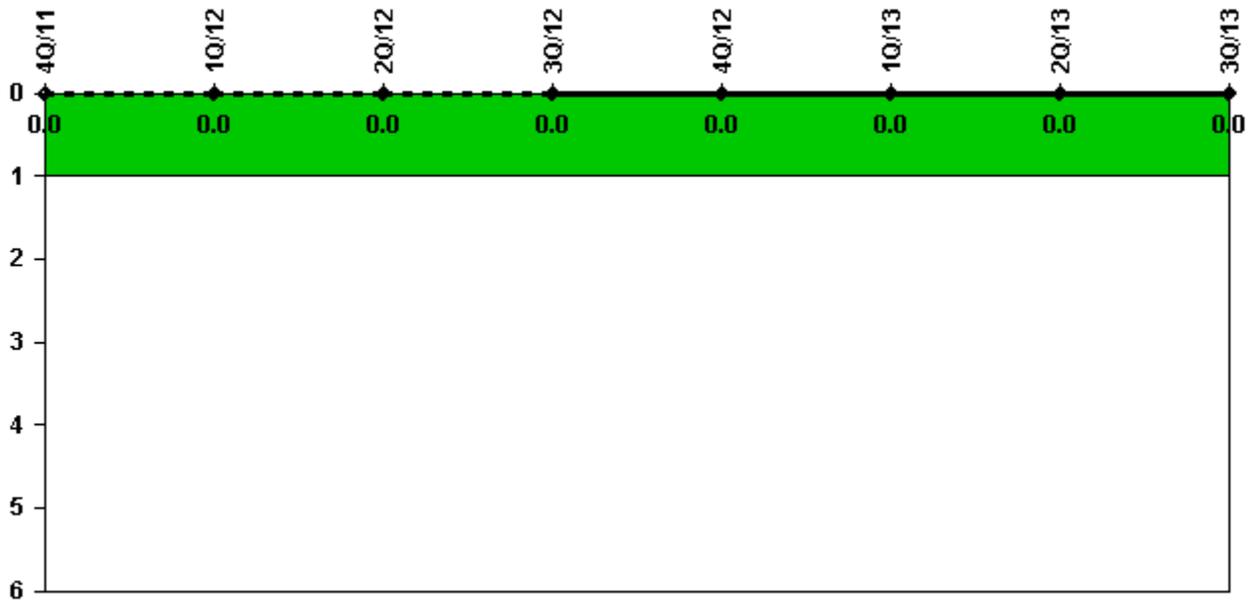
1Q/13: Multiple downpowers are due to repairs on the Main Condenser tube inleakage. This deficiency is a known issue but individual tube failures are not predictable. Compensatory measures, such as tube plugging and tube sleeving, have been performed to mitigate Main Condenser performance. There is no affect on public or nuclear safety.

4Q/12: Multiple downpowers are due to repairs on the Main Condenser tube inleakage. This deficiency is a known issue but individual tube failures are not predictable. Compensatory measures, such as tube plugging and tube sleeving, have been performed to mitigate Main Condenser performance. There is no affect on public or nuclear

safety.

4Q/11: A Power Change affecting May 2011 was changed to Unplanned based on a review by the Senior Resident Inspector. It involved a failed tube in the main condenser. Two (2) Power changes affecting June 2011 were reviewed by the Senior Resident inspector and by the ROP via the FAQ process. These two Power Changes were updated to Unplanned. They were caused by fouling of the main condenser due to maintenance work.

### Unplanned Scrams with Complications



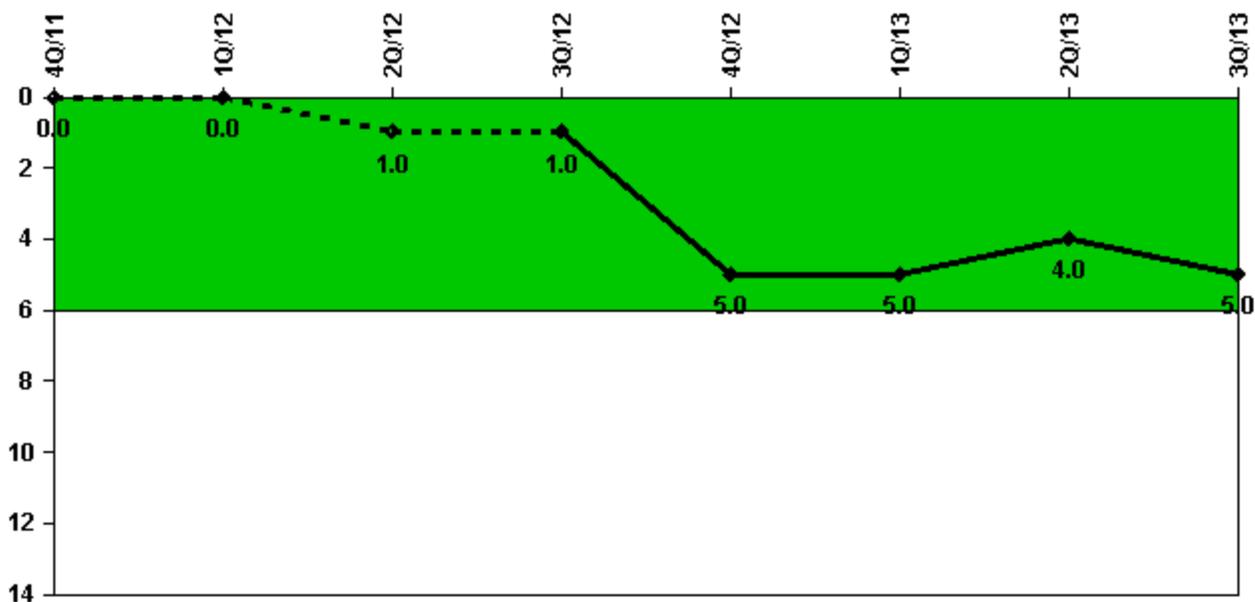
Thresholds: White > 1.0

### Notes

Unplanned Scrams with Complications	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/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 (BWR)



Thresholds: White > 6.0

#### Notes

Safety System Functional Failures (BWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Safety System Functional Failures	0	0	1	0	4	0	0	1
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>5</b>

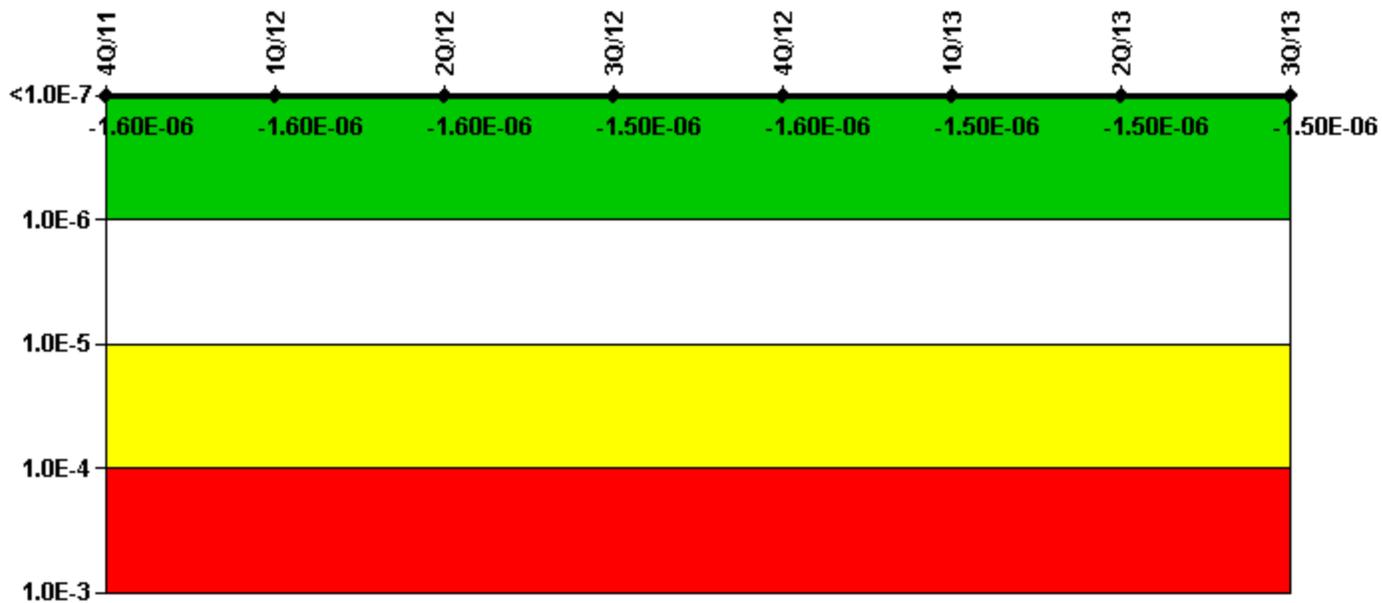
Licensee Comments:

3Q/13: LER-12-010

4Q/12: LER-12-002, LER-12-003, LER-12-005, LER-12-006

2Q/12: LER-2012-001, Unit Cooler Fan Motor Contactor Low Voltage Test Failure Results in Loss of Safety Function and Condition Prohibited by the Technical Specifications, reported in June 2012

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



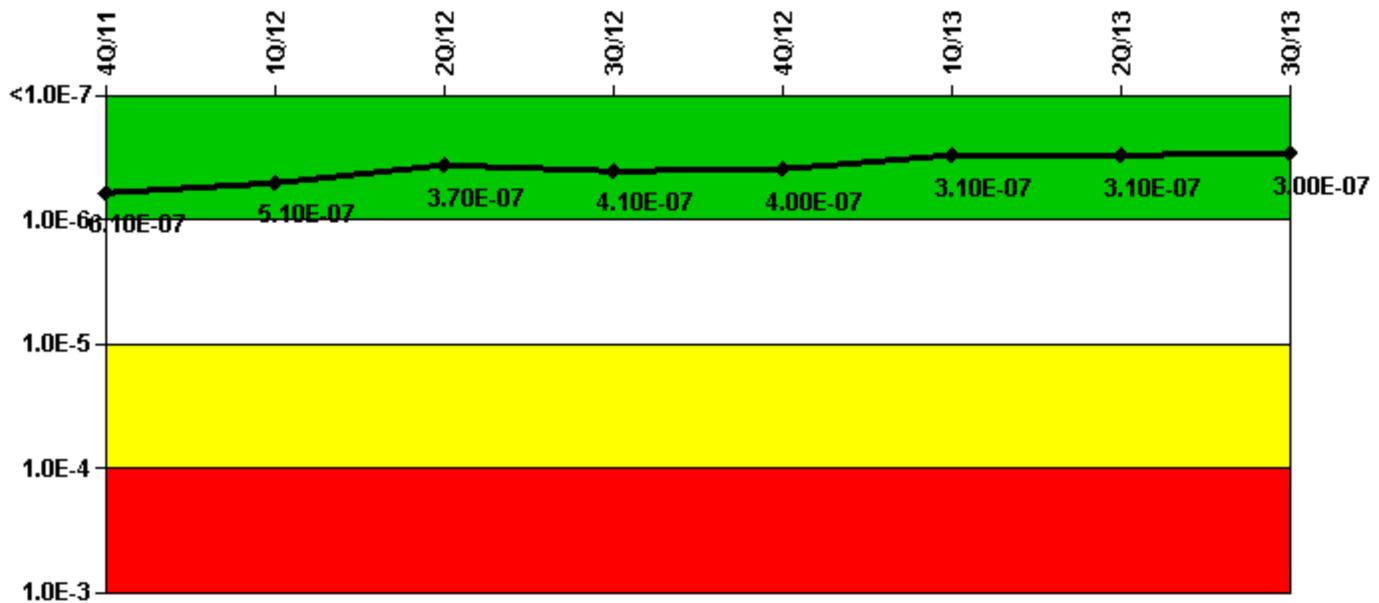
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

**Notes**

Mitigating Systems Performance Index, Emergency AC Power System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI ( $\Delta$ CDF)	8.45E-09	1.05E-08	3.31E-09	3.14E-09	7.74E-10	9.99E-10	6.30E-09	7.40E-09
URI ( $\Delta$ CDF)	-1.66E-06	-1.66E-06	-1.56E-06	-1.52E-06	-1.61E-06	-1.53E-06	-1.53E-06	-1.46E-06
PLE	NO							
Indicator value	-1.60E-06	-1.60E-06	-1.60E-06	-1.50E-06	-1.60E-06	-1.50E-06	-1.50E-06	-1.50E-06

Licensee Comments: none

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



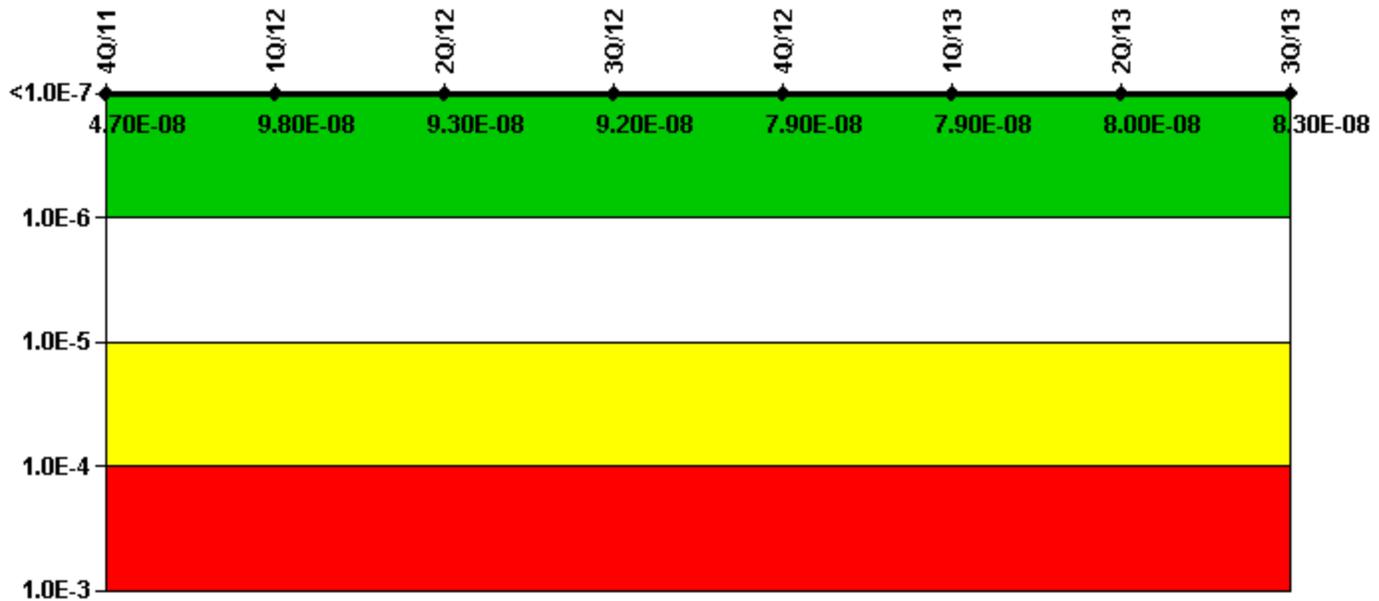
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI ( $\Delta$ CDF)	1.06E-07	9.04E-09	6.84E-08	9.29E-08	9.64E-08	1.98E-08	1.38E-08	1.21E-08
URI ( $\Delta$ CDF)	5.03E-07	5.04E-07	3.05E-07	3.17E-07	3.04E-07	2.93E-07	2.93E-07	2.87E-07
PLE	NO							
Indicator value	6.10E-07	5.10E-07	3.70E-07	4.10E-07	4.00E-07	3.10E-07	3.10E-07	3.00E-07

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



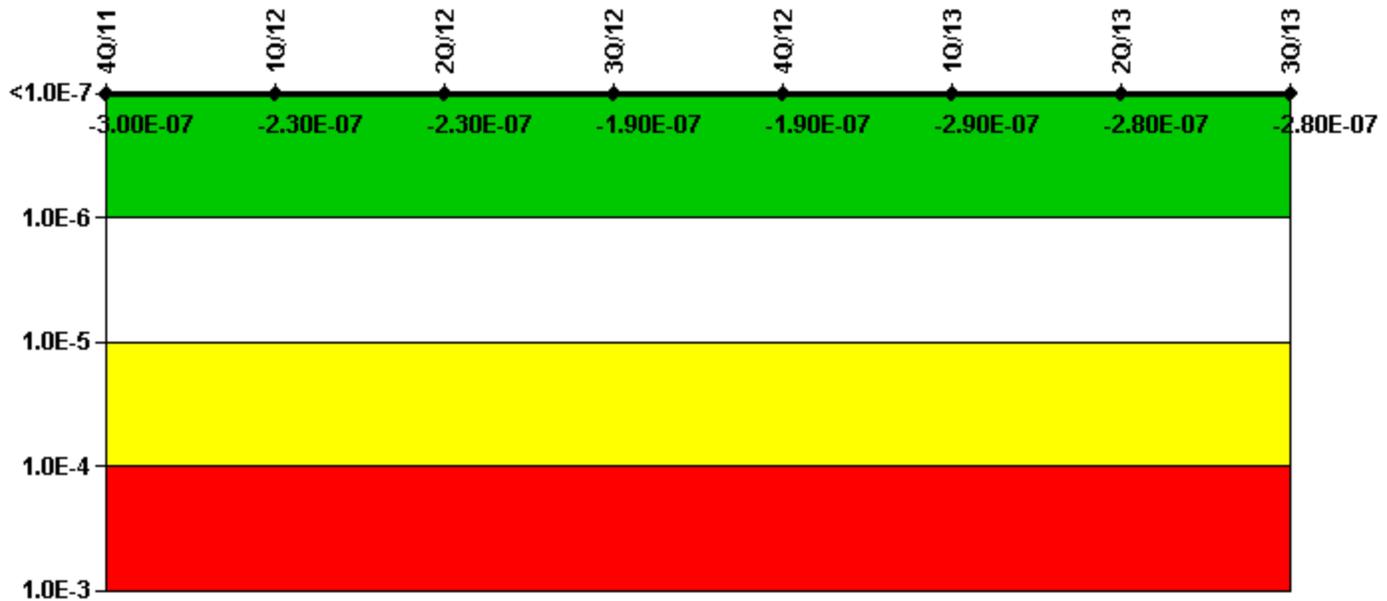
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI ( $\Delta$ CDF)	1.32E-08	6.19E-08	5.74E-08	6.05E-08	5.37E-08	5.42E-08	5.47E-08	5.23E-08
URI ( $\Delta$ CDF)	3.41E-08	3.63E-08	3.60E-08	3.19E-08	2.52E-08	2.50E-08	2.50E-08	3.06E-08
PLE	NO							
Indicator value	4.70E-08	9.80E-08	9.30E-08	9.20E-08	7.90E-08	7.90E-08	8.00E-08	8.30E-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	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI ( $\Delta$ CDF)	-3.82E-08	3.46E-08	2.86E-08	6.97E-08	8.15E-08	-1.40E-08	-1.34E-08	-2.37E-08
URI ( $\Delta$ CDF)	-2.67E-07	-2.61E-07	-2.56E-07	-2.62E-07	-2.76E-07	-2.74E-07	-2.69E-07	-2.53E-07
PLE	NO							
Indicator value	-3.00E-07	-2.30E-07	-2.30E-07	-1.90E-07	-1.90E-07	-2.90E-07	-2.80E-07	-2.80E-07

Licensee Comments: none

### Mitigating Systems Performance Index, Cooling Water Systems



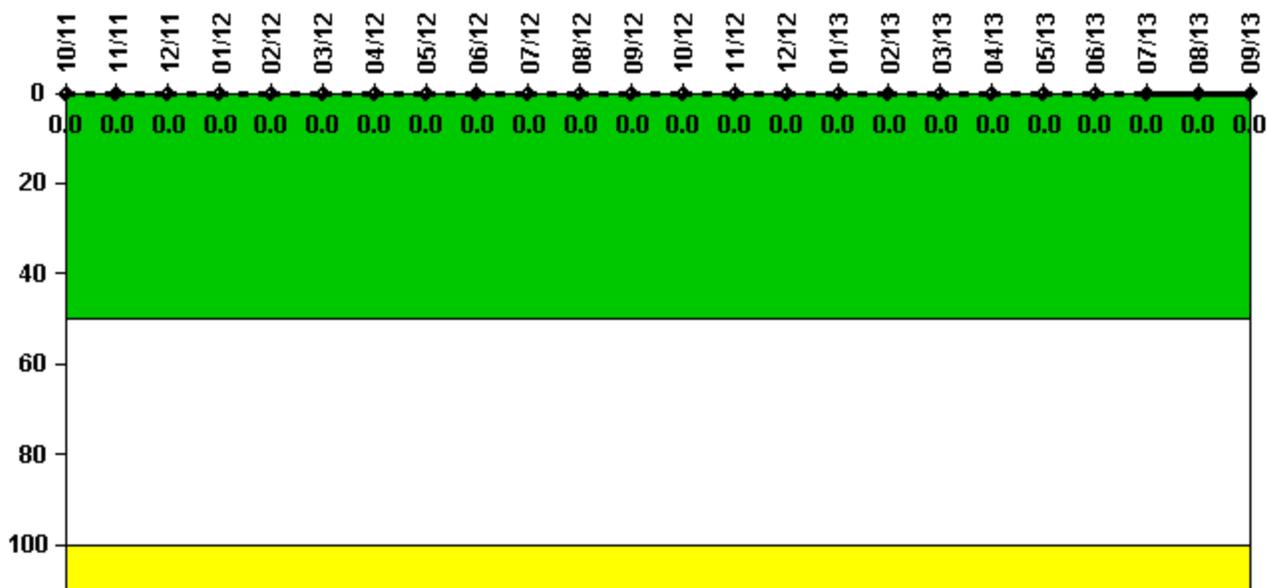
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI ( $\Delta$ CDF)	-1.04E-08	-1.58E-08	5.21E-08	6.07E-08	6.65E-08	-1.79E-08	-1.79E-08	-1.79E-08
URI ( $\Delta$ CDF)	-1.16E-08	-1.17E-08	-1.16E-08	-1.16E-08	-1.15E-08	-1.17E-08	-1.18E-08	-1.12E-08
PLE	NO							
Indicator value	-2.20E-08	-2.70E-08	4.00E-08	4.90E-08	5.50E-08	-3.00E-08	-3.00E-08	-2.90E-08

Licensee Comments: none

### Reactor Coolant System Activity



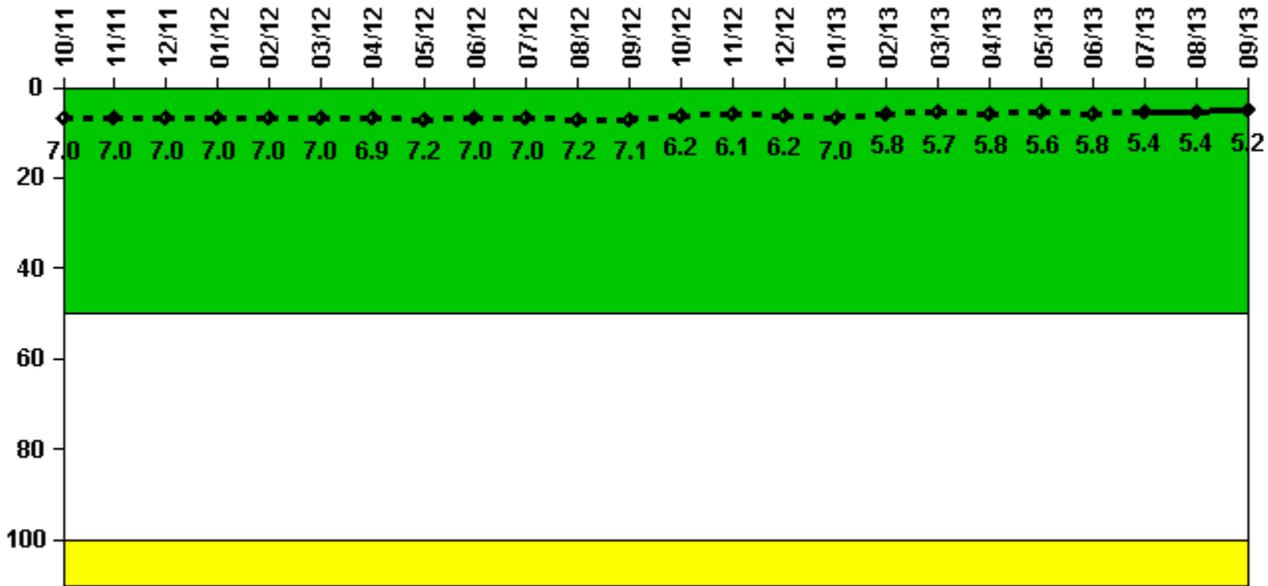
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000015	0.000012	0.000024	0.000038	0.000019	0.000020	0.000033	0.000036	0.000023	0.000068	0.000024	0.000026
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum activity	0.000018	0.000012	0.000016	0.000016	0.000012	0.000012	0.000018	0.000014	0.000013	0.000025	0.000013	0.000028
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	1.740	1.740	1.740	1.740	1.760	1.740	1.720	1.810	1.740	1.760	1.790	1.780
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	7.0	7.0	7.0	7.0	7.0	7.0	6.9	7.2	7.0	7.0	7.2	7.1

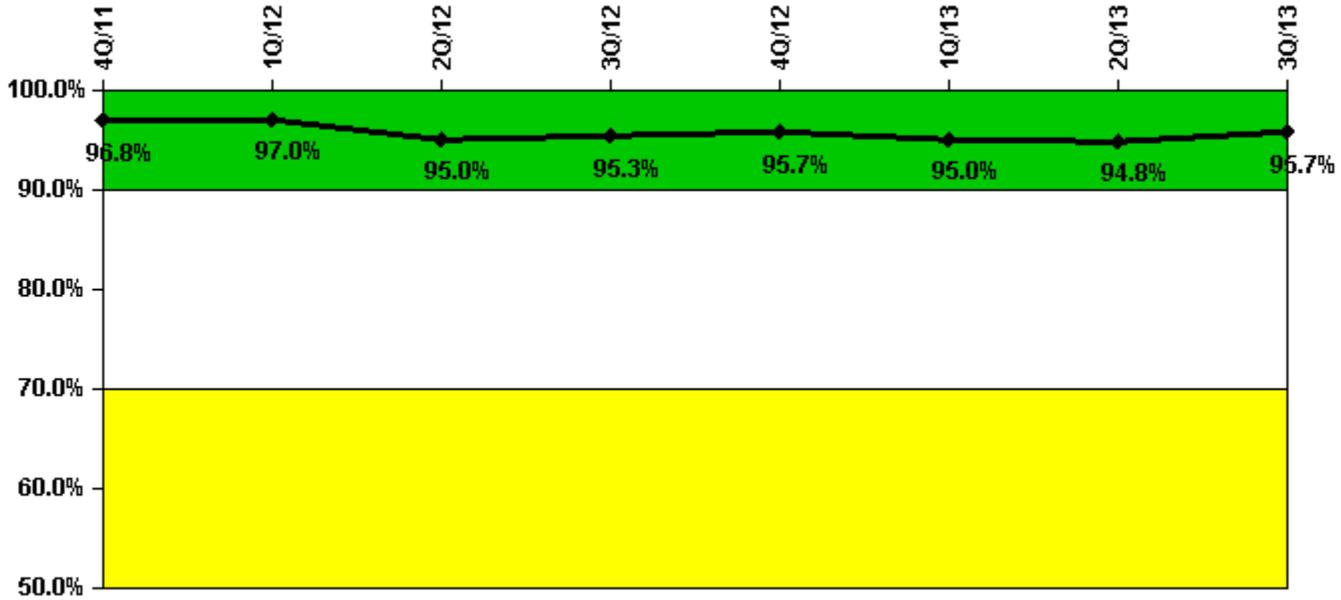
Reactor Coolant System Leakage	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum leakage	1.550	1.530	1.550	1.740	1.460	1.430	1.440	1.400	1.460	1.360	1.350	1.300
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.2	6.1	6.2	7.0	5.8	5.7	5.8	5.6	5.8	5.4	5.4	5.2

#### Licensee Comments:

9/13: 2nd Quarter 2013 data has been updated to correct data submitted in error. This change has no affect on indicator color.

6/13: Maximum RCS identified leakage and Maximum RCS unidentified leakage were inadvertently switched. Corrected by change report in 3rd Quarter 2013.

### Drill/Exercise Performance



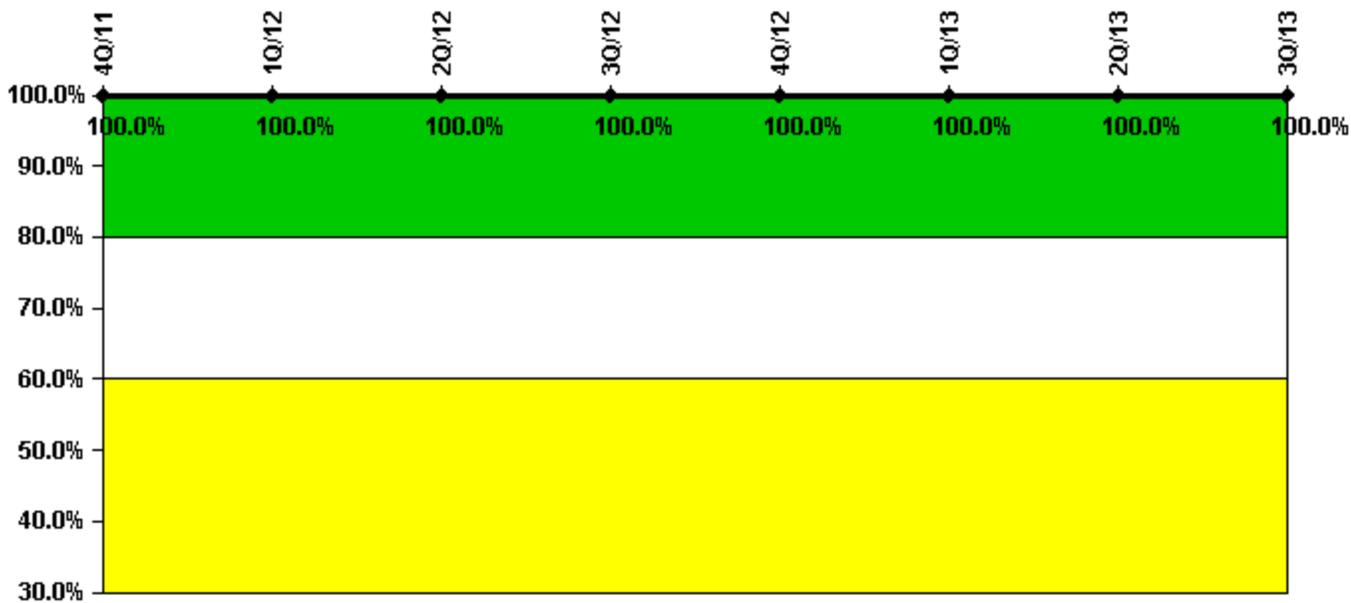
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	7.0	30.0	39.0	28.0	15.0	26.0	67.0	74.0
Total opportunities	8.0	31.0	46.0	28.0	15.0	28.0	68.0	75.0
<b>Indicator value</b>	<b>96.8%</b>	<b>97.0%</b>	<b>95.0%</b>	<b>95.3%</b>	<b>95.7%</b>	<b>95.0%</b>	<b>94.8%</b>	<b>95.7%</b>

Licensee Comments: none

### ERO Drill Participation



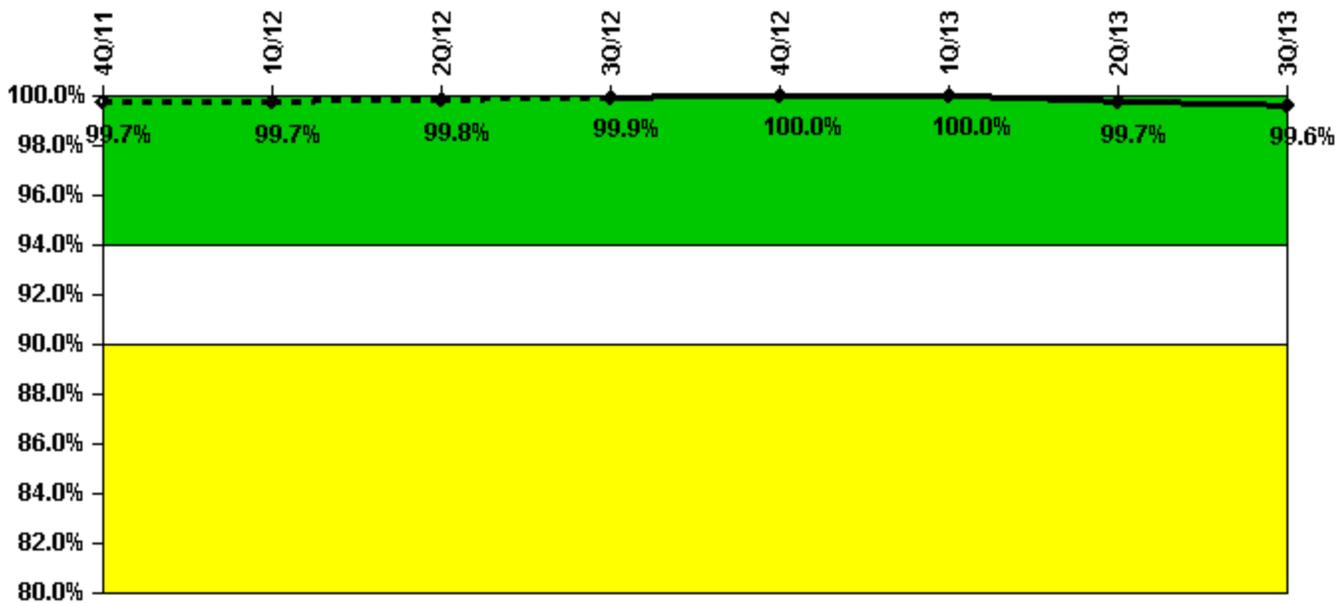
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	74.0	71.0	72.0	75.0	78.0	80.0	78.0	74.0
Total Key personnel	74.0	71.0	72.0	75.0	78.0	80.0	78.0	74.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



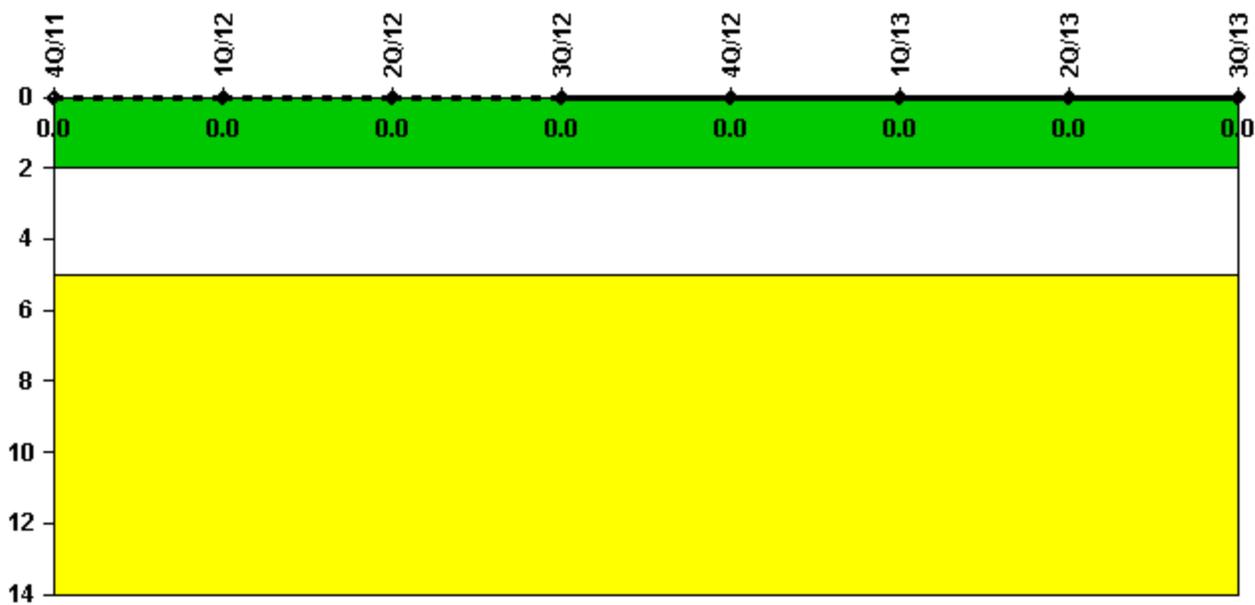
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful siren-tests	295	222	296	222	333	222	293	221
Total sirens-tests	296	222	296	222	333	222	296	222
Indicator value	99.7%	99.7%	99.8%	99.9%	100.0%	100.0%	99.7%	99.6%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



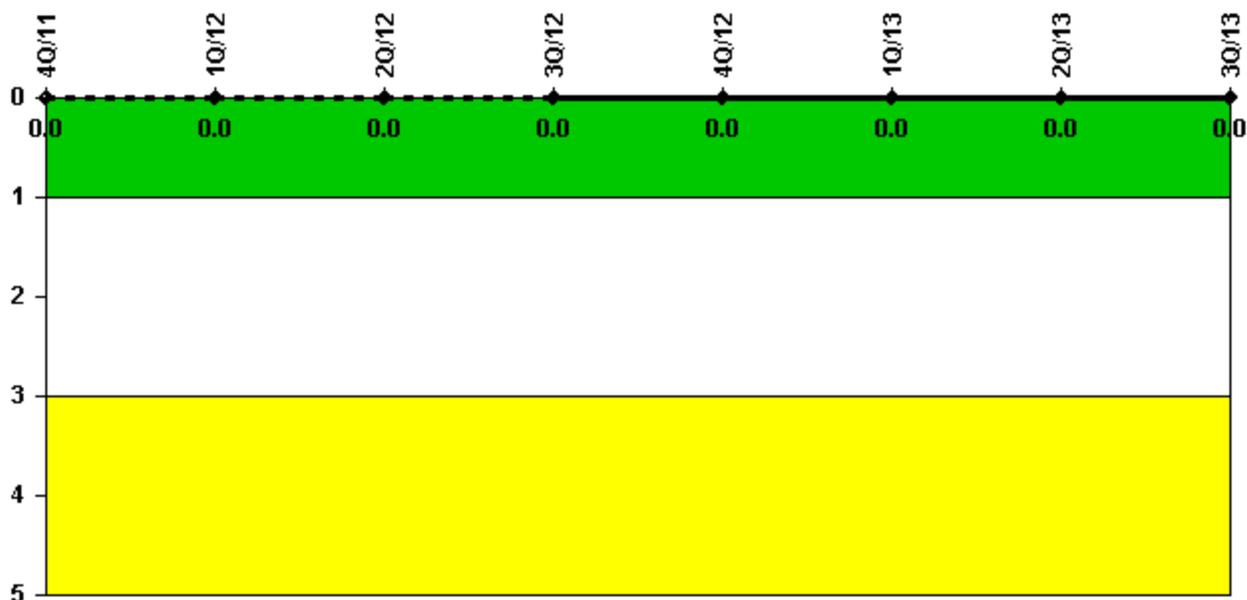
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/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>							

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/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: October 22, 2013*