

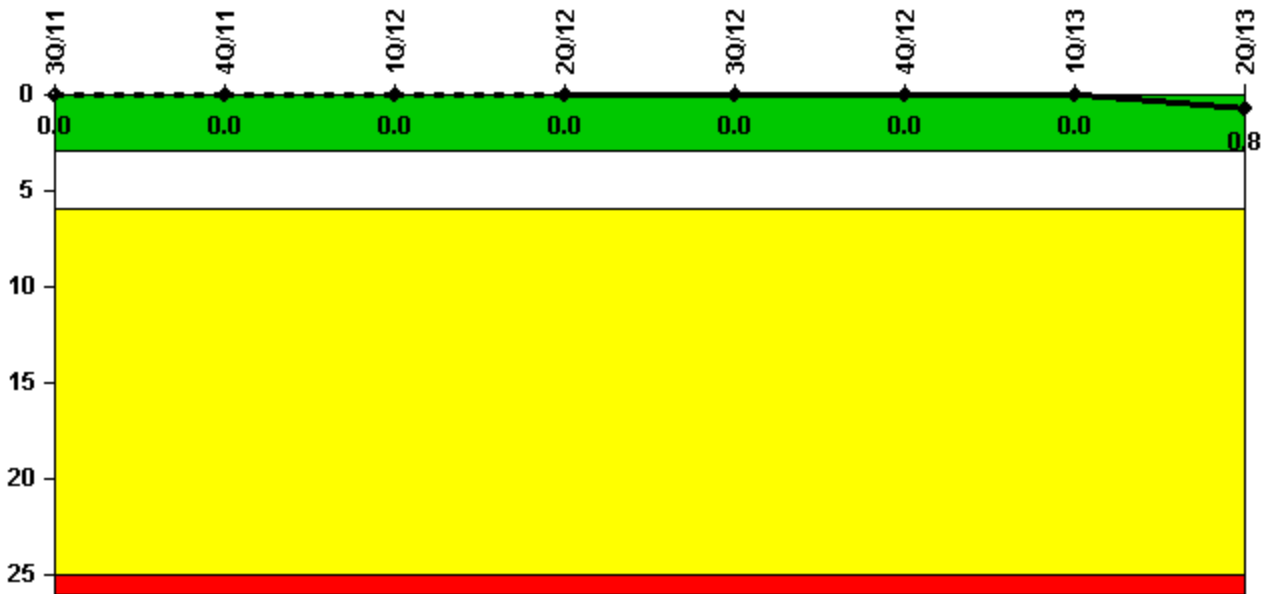
# Davis-Besse

## 2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



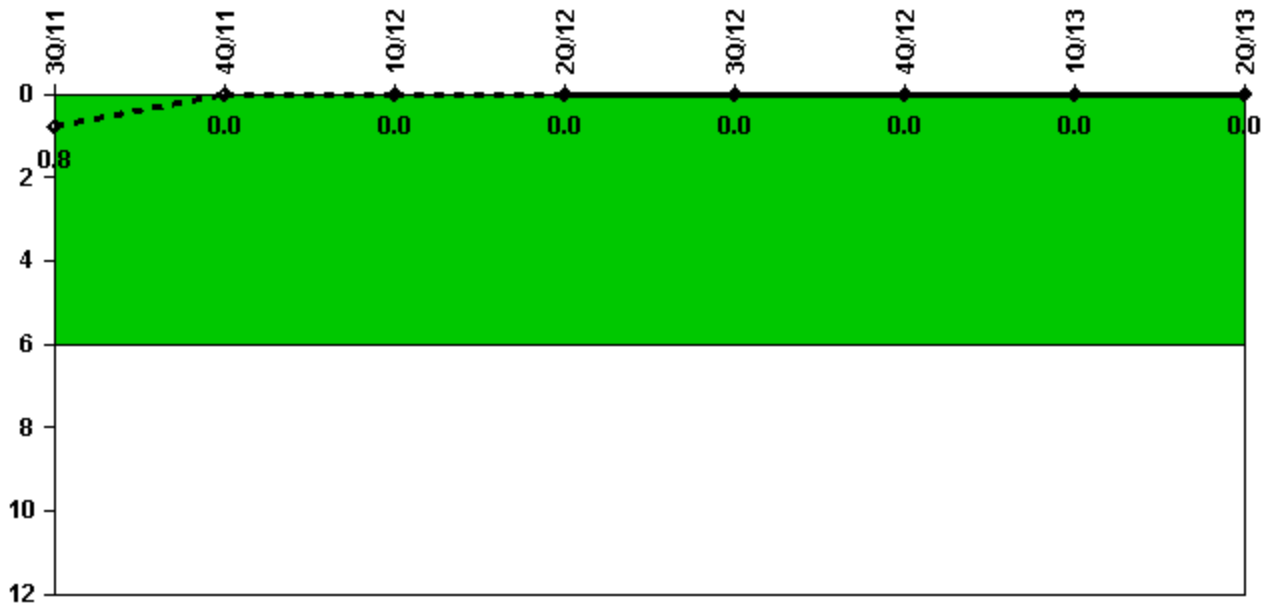
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	643.6	2183.0	1305.1	2208.0	2209.0	2159.0	2157.3
Indicator value	0	0	0	0	0	0	0	0.8

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



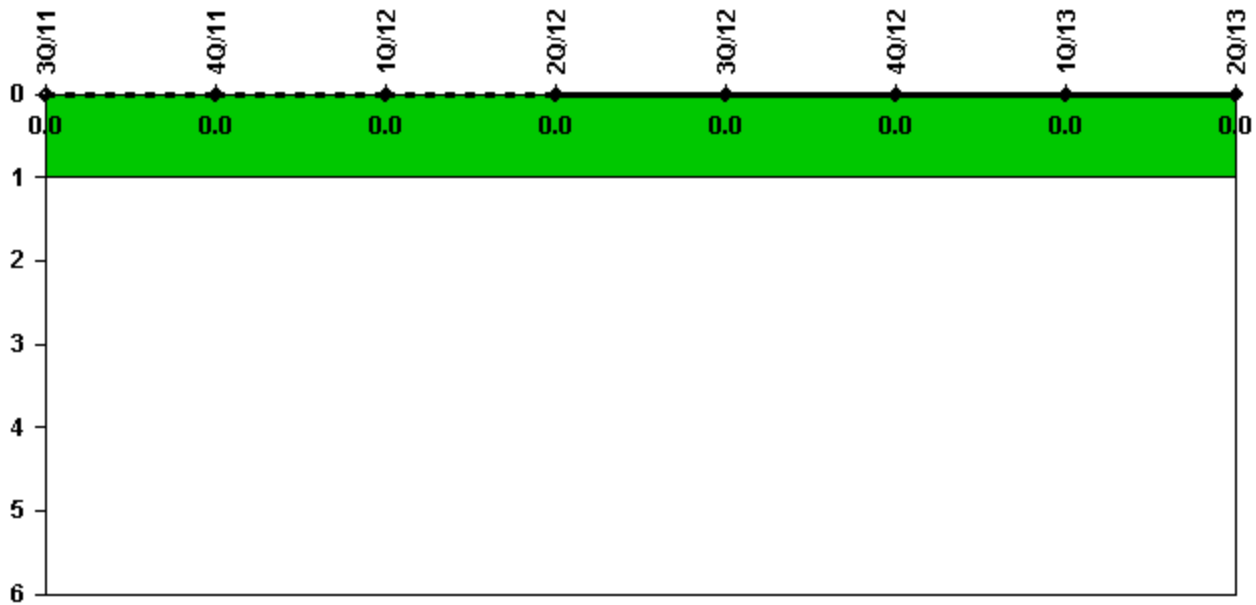
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	643.6	2183.0	1305.1	2208.0	2209.0	2159.0	2157.3
<b>Indicator value</b>	<b>0.8</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

### Unplanned Scrams with Complications



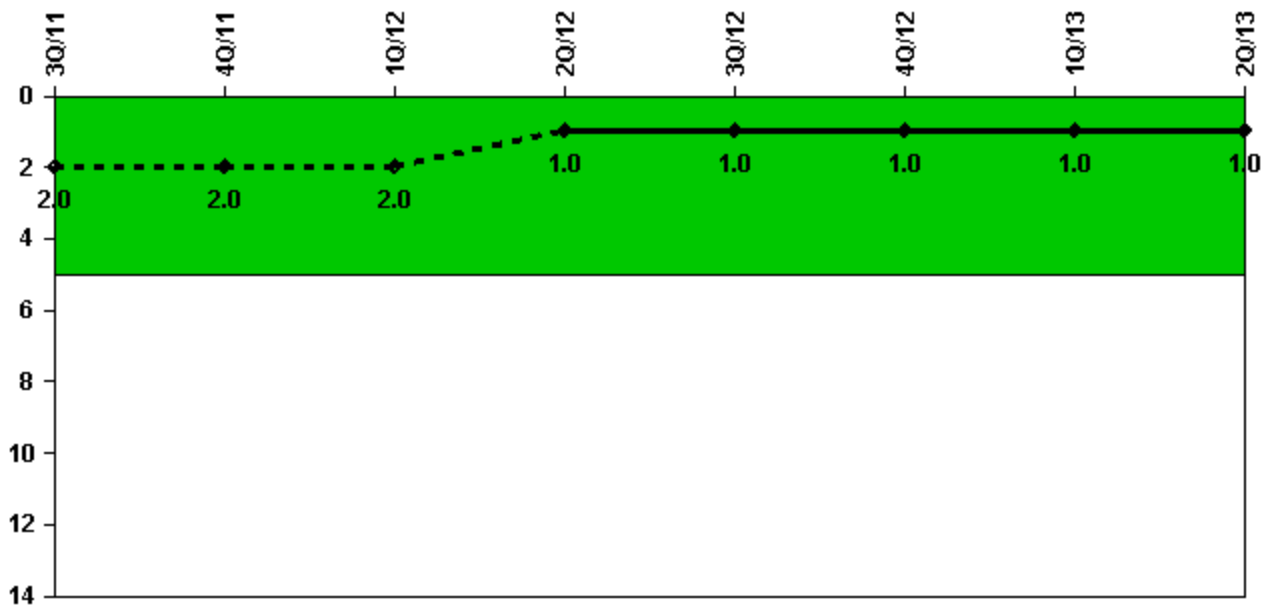
Thresholds: White > 1.0

#### Notes

Unplanned Scrams with Complications	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/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: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

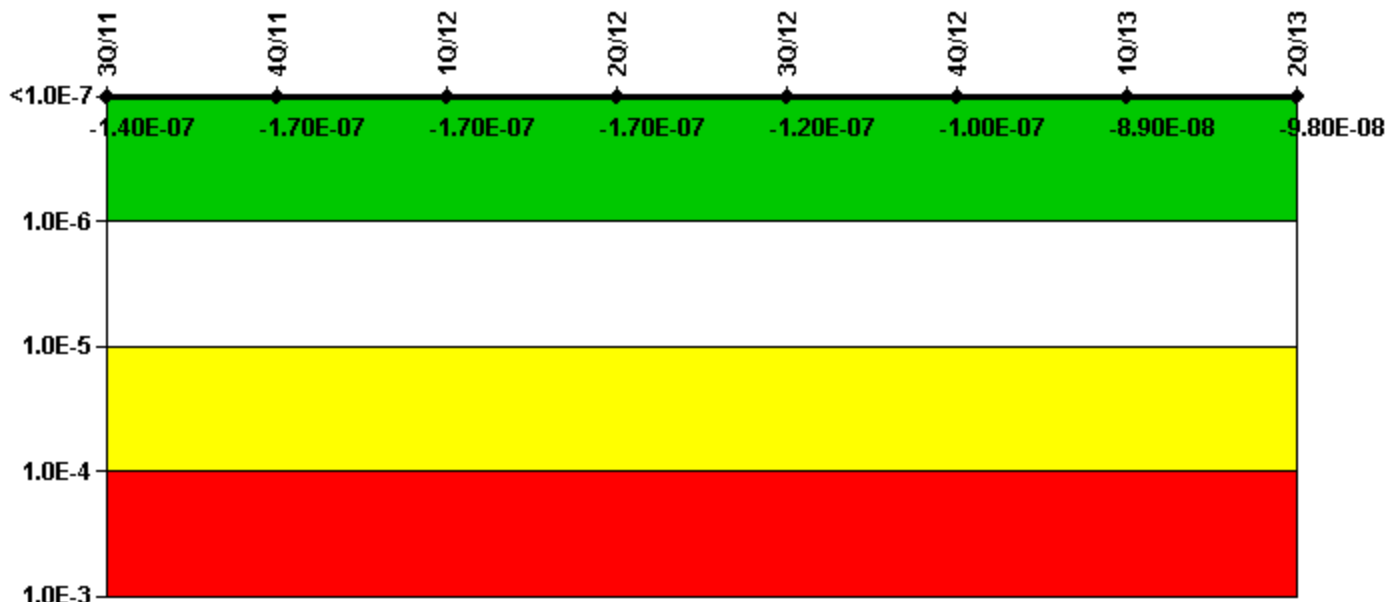
#### Notes

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

Licensee Comments:

3Q/11: LER 2011-003, Radio Usage Renders Emergency Feedwater Inoperable, submitted 5/2/11; LER 2011-004, Direct Current System Design Issues, submitted 9/26/11.

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



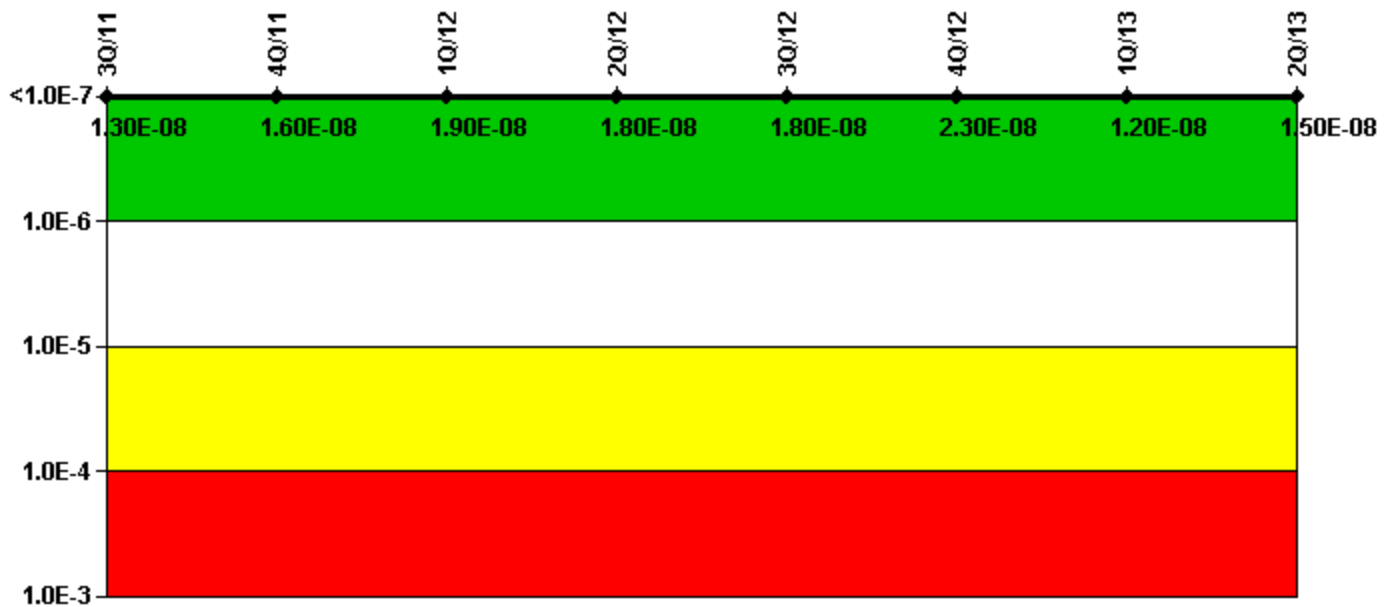
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	6.06E-09	-2.42E-08	-2.27E-08	-2.18E-08	1.81E-08	3.71E-08	4.67E-08	3.42E-08
URI ( $\Delta$ CDF)	-1.43E-07	-1.46E-07	-1.46E-07	-1.43E-07	-1.43E-07	-1.41E-07	-1.36E-07	-1.32E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.40E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.20E-07	-1.00E-07	-8.90E-08	-9.80E-08

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

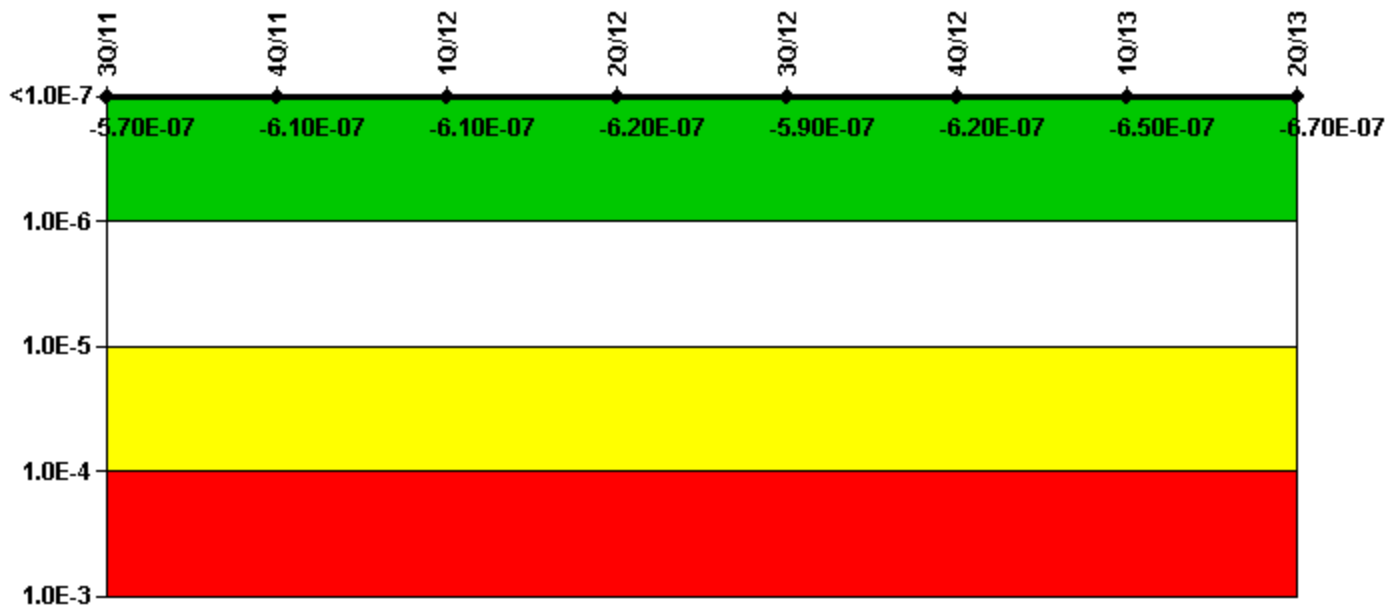
Mitigating Systems Performance Index, High Pressure Injection System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	1.68E-08	2.04E-08	2.31E-08	2.25E-08	2.21E-08	2.67E-08	1.59E-08	1.81E-08
URI ( $\Delta$ CDF)	-3.64E-09	-3.93E-09	-3.93E-09	-4.20E-09	-4.11E-09	-3.79E-09	-3.61E-09	-3.34E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.30E-08	1.60E-08	1.90E-08	1.80E-08	1.80E-08	2.30E-08	1.20E-08	1.50E-08

Licensee Comments:

4Q/12: Minor data correction made for June & July 2012 - no impact on indicator color.

1Q/12: Historical equipment demand data changed for past 3 years to correct calculation methodology

### Mitigating Systems Performance Index, Heat Removal System



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

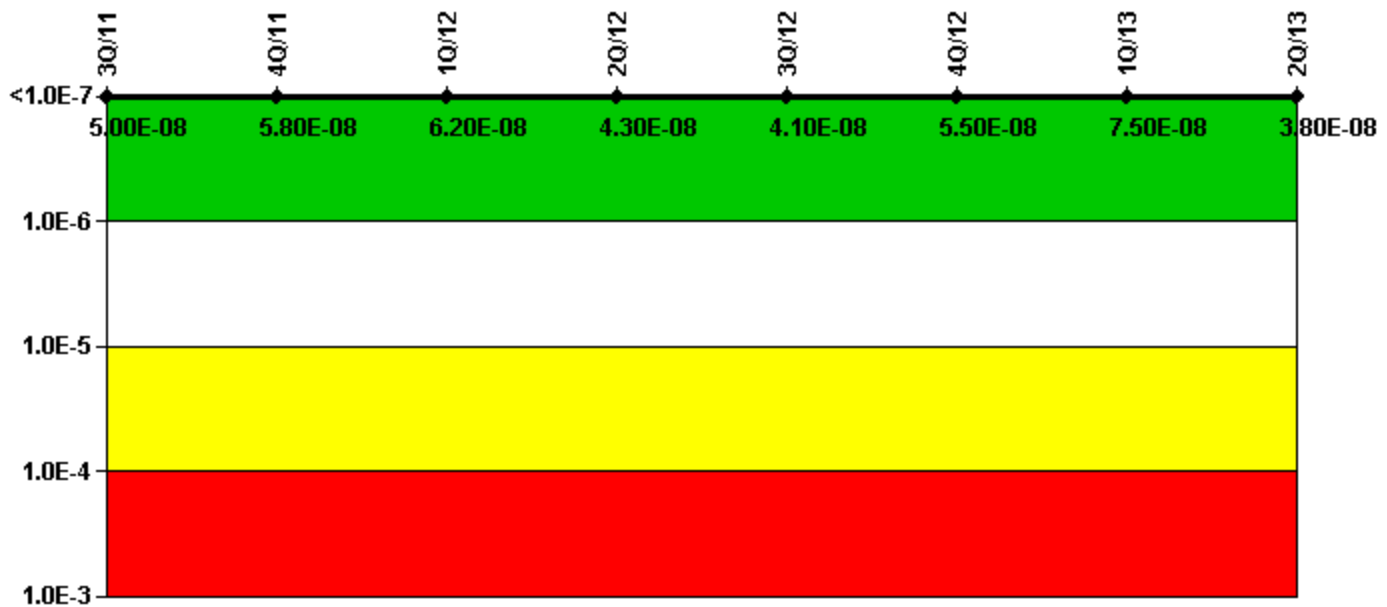
#### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	7.24E-08	3.39E-08	3.47E-08	3.49E-08	7.00E-08	4.13E-08	1.70E-08	8.48E-09
URI ( $\Delta$ CDF)	-6.45E-07	-6.42E-07	-6.44E-07	-6.55E-07	-6.58E-07	-6.64E-07	-6.70E-07	-6.75E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.70E-07	-6.10E-07	-6.10E-07	-6.20E-07	-5.90E-07	-6.20E-07	-6.50E-07	-6.70E-07

Licensee Comments:

1Q/12: Historical equipment demand data changed for past 3 years to correct calculation methodology

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



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

#### Notes

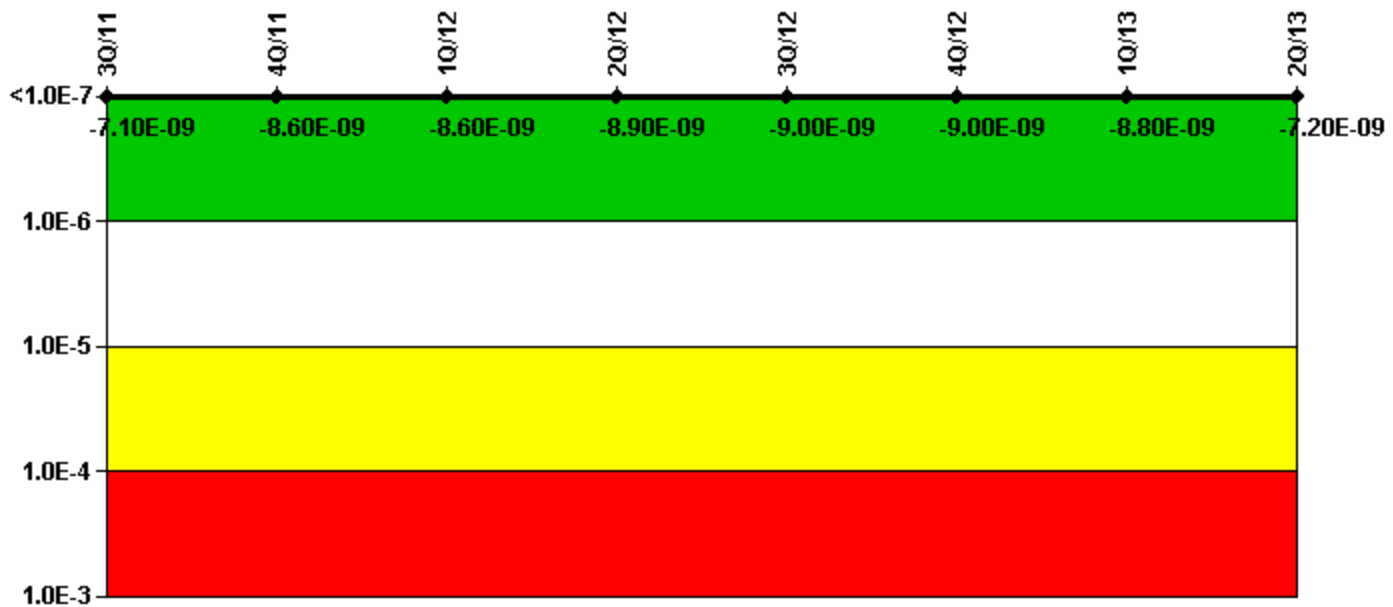
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	4.10E-08	5.26E-08	5.61E-08	3.98E-08	3.90E-08	5.28E-08	6.95E-08	6.03E-08
URI ( $\Delta$ CDF)	9.50E-09	5.00E-09	5.40E-09	3.10E-09	2.42E-09	2.31E-09	5.62E-09	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.00E-08	5.80E-08	6.20E-08	4.30E-08	4.10E-08	5.50E-08	7.50E-08	3.80E-08

Licensee Comments:

1Q/12: Historical equipment demand data changed for past 3 years to correct calculation methodology



### 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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	1.12E-09	-3.58E-11	-3.58E-11	-3.58E-11	-3.58E-11	-3.58E-11	-3.58E-11	-3.58E-11
URI ( $\Delta$ CDF)	-8.20E-09	-8.55E-09	-8.58E-09	-8.91E-09	-8.98E-09	-8.99E-09	-8.78E-09	-7.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.10E-09	-8.60E-09	-8.60E-09	-8.90E-09	-9.00E-09	-9.00E-09	-8.80E-09	-7.20E-09

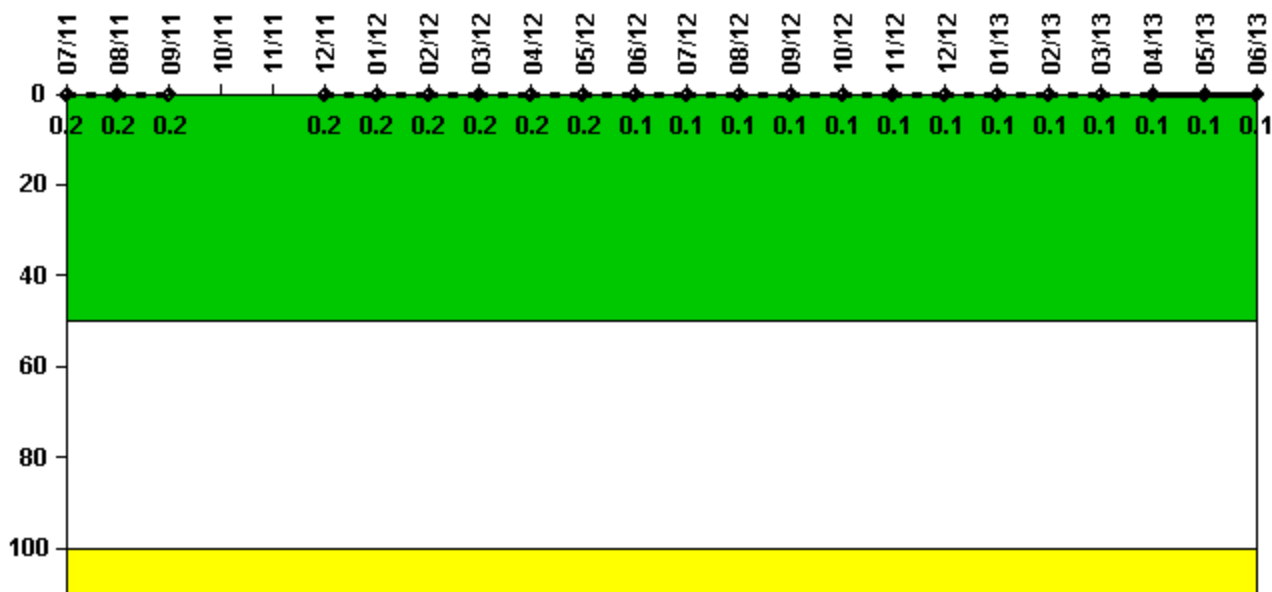
#### Licensee Comments:

1Q/12: Historical equipment demand data changed for past 3 years to correct calculation methodology

4Q/11: Minor data entry error corrected for 3Q2009. No change in indicator color resulted.

4Q/11: Minor data entry error corrected for 3Q2009. No change in indicator color resulted.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

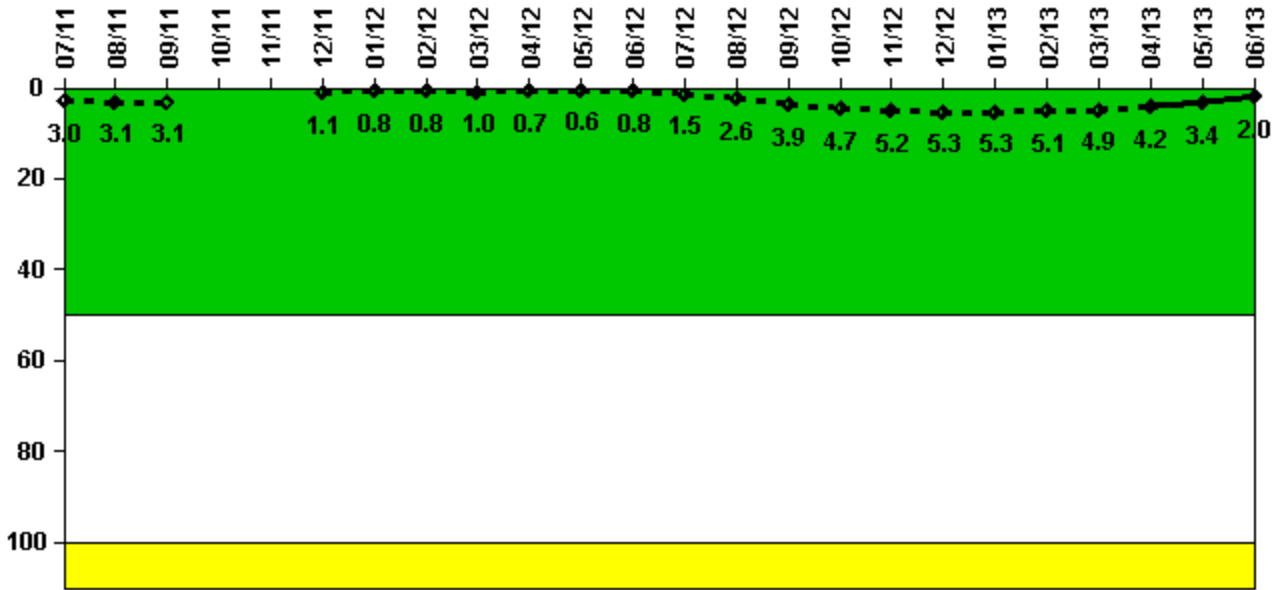
Reactor Coolant System Activity	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum activity	0.001800	0.001800	0.001800	N/A	N/A	0.001900	0.001900	0.002000	0.002200	0.002000	0.002100	0.000800
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.2	0.2	0.2	N/A	N/A	0.2	0.2	0.2	0.2	0.2	0.2	0.1

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	0.000810	0.000850	0.000940	0.000980	0.000980	0.001100	0.001100	0.001200	0.001200	0.001200	0.001200	0.001300
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

### Reactor Coolant System Leakage



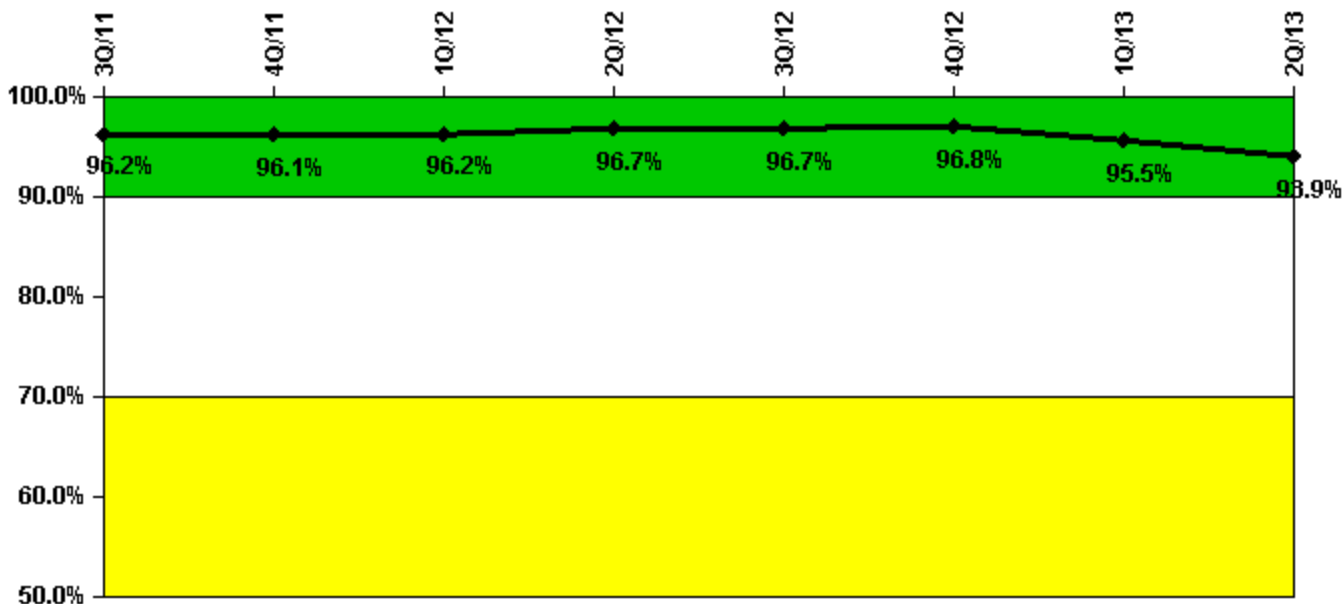
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum leakage	0.300	0.312	0.306	N/A	N/A	0.111	0.082	0.076	0.102	0.072	0.062	0.080
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	3.0	3.1	3.1	N/A	N/A	1.1	0.8	0.8	1.0	0.7	0.6	0.8
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	0.147	0.264	0.394	0.465	0.518	0.525	0.528	0.513	0.492	0.419	0.340	0.203
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	1.5	2.6	3.9	4.7	5.2	5.3	5.3	5.1	4.9	4.2	3.4	2.0

Licensee Comments: none

### Drill/Exercise Performance



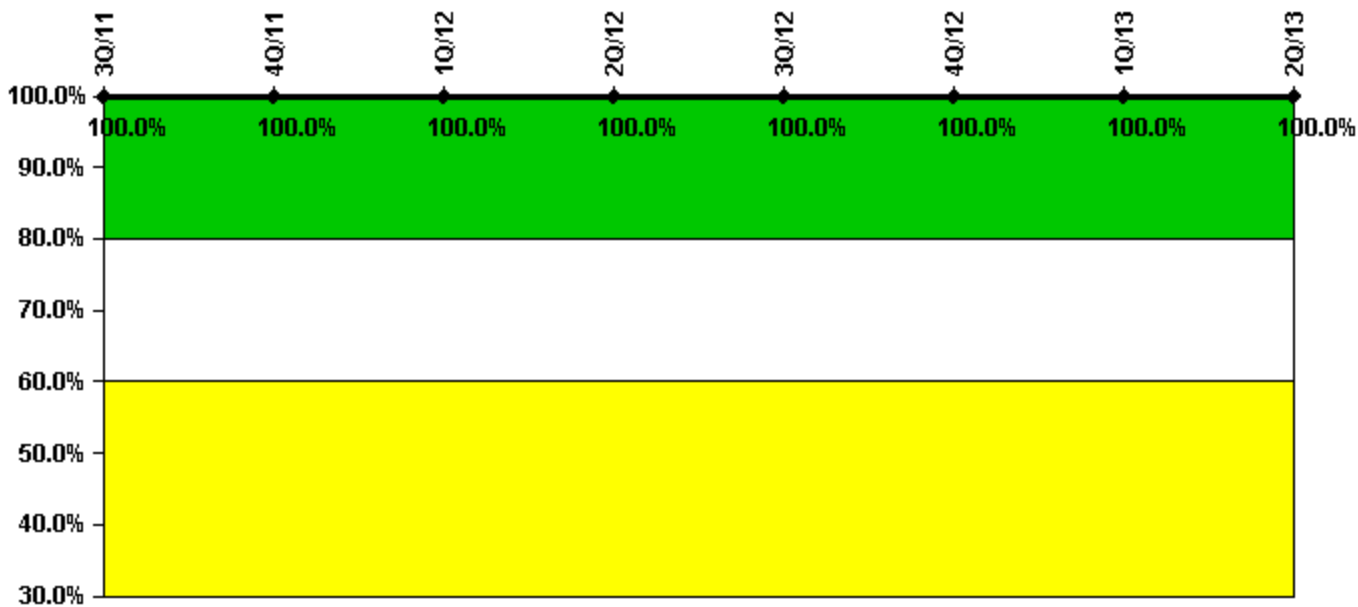
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	12.0	3.0	39.0	4.0	24.0	122.0	31.0	43.0
Total opportunities	12.0	3.0	40.0	4.0	28.0	126.0	35.0	48.0
Indicator value	96.2%	96.1%	96.2%	96.7%	96.7%	96.8%	95.5%	93.9%

Licensee Comments: none

### ERO Drill Participation



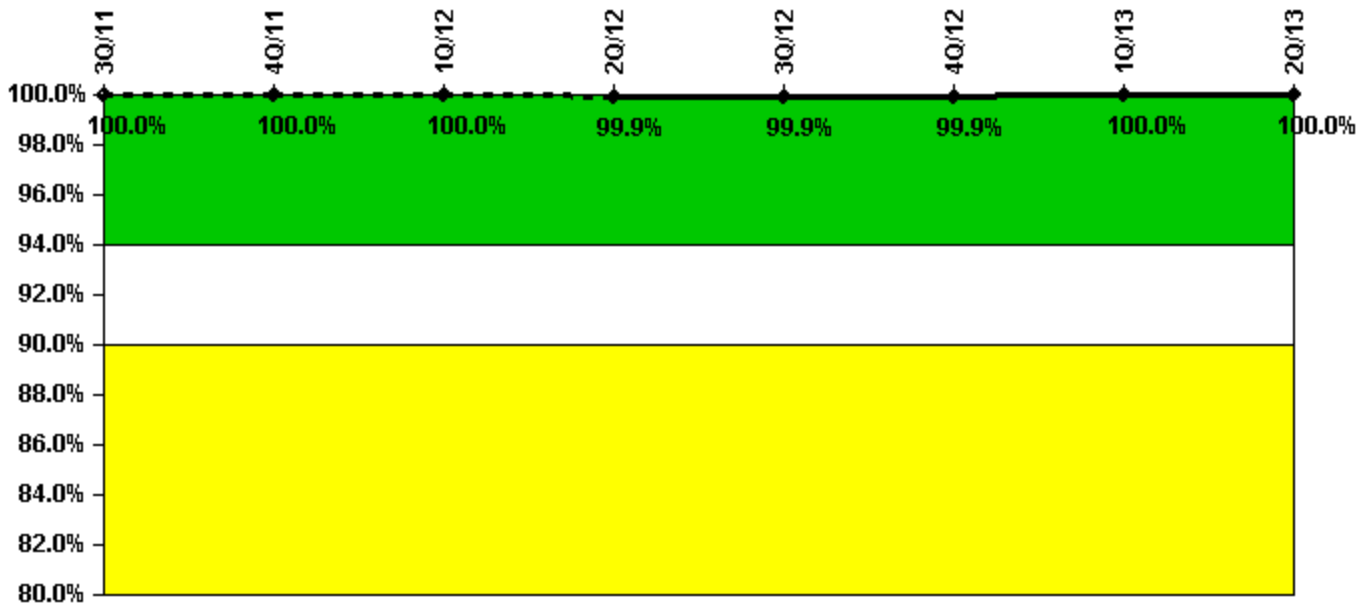
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	90.0	88.0	97.0	97.0	93.0	93.0	92.0	91.0
Total Key personnel	90.0	88.0	97.0	97.0	93.0	93.0	92.0	91.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



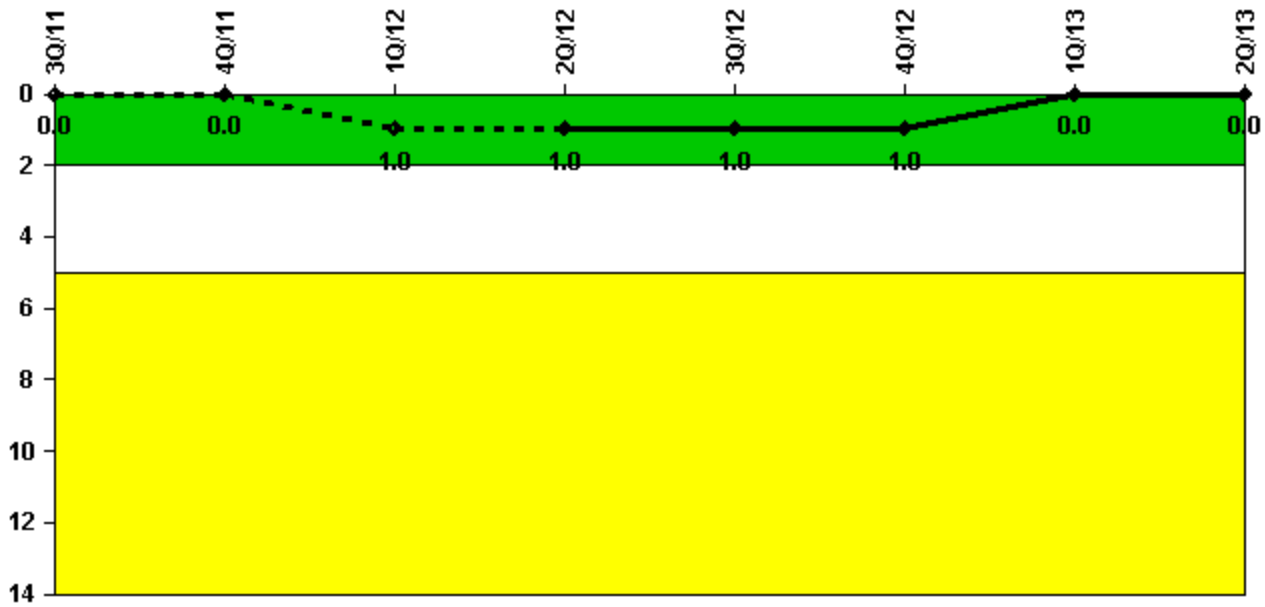
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	756	702	701	701	702	702	702	702
Total sirens-tests	756	702	702	702	702	702	702	702
Indicator value	100.0%	100.0%	100.0%	99.9%	99.9%	99.9%	100.0%	100.0%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



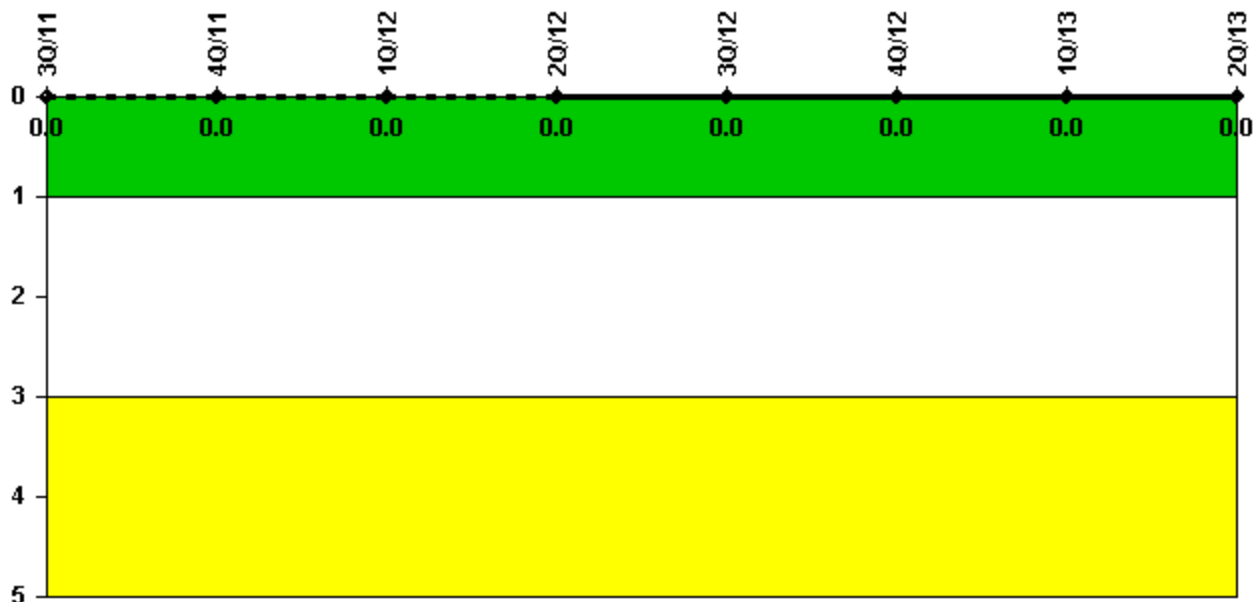
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
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: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/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: August 19, 2013*