

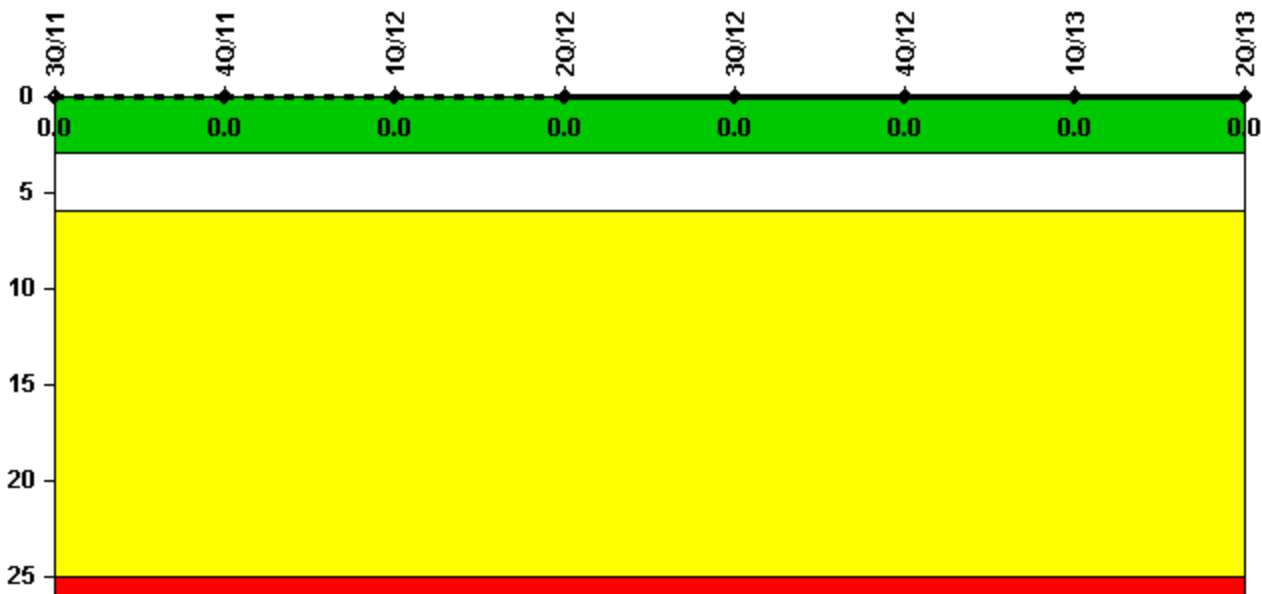
## Dresden 2

### 2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

#### Unplanned Scrams per 7000 Critical Hrs



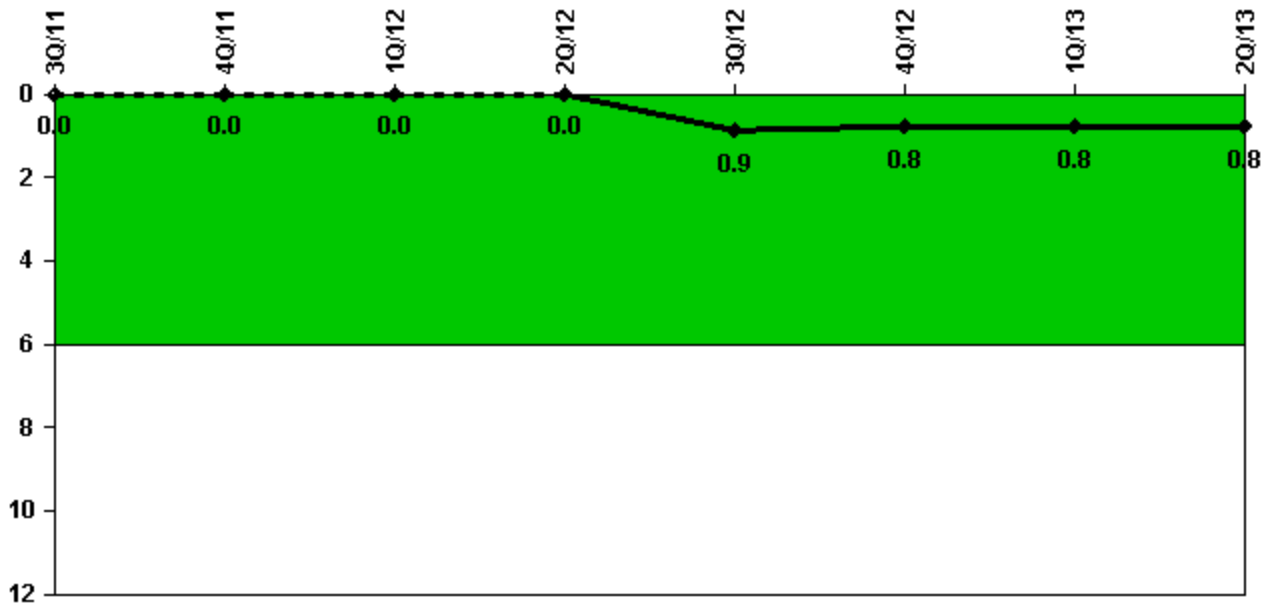
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

#### 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	0
Critical hours	2208.0	1630.4	2183.0	2184.0	2082.0	2209.0	2159.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



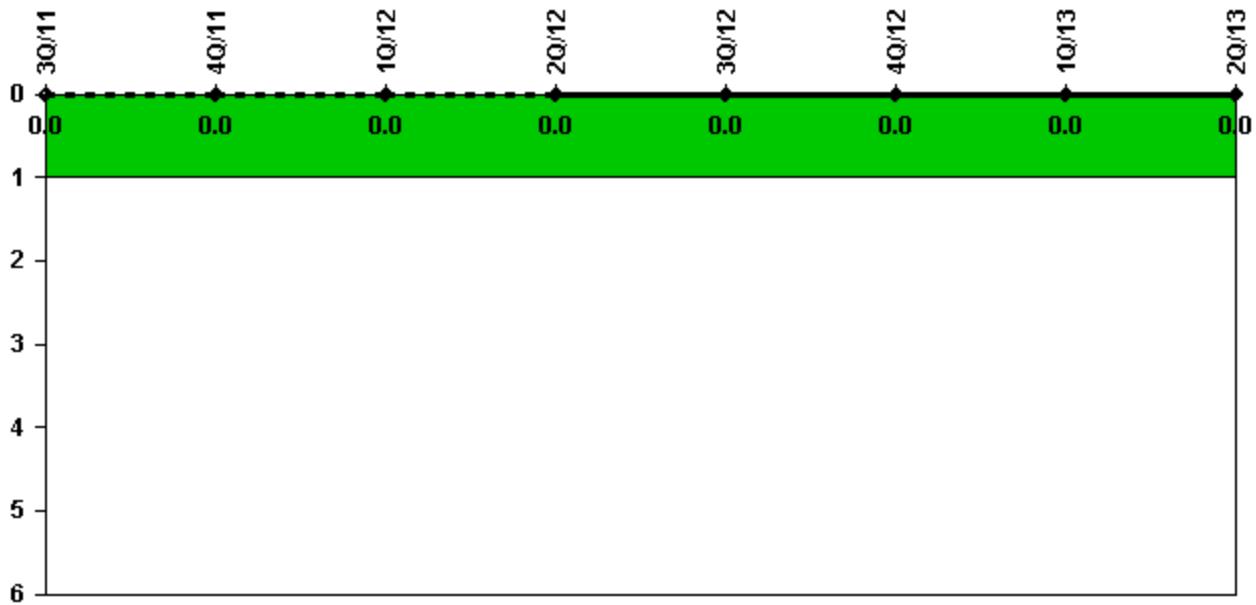
Thresholds: White > 6.0

#### 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	1.0	0	0	0
Critical hours	2208.0	1630.4	2183.0	2184.0	2082.0	2209.0	2159.0	2184.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>

Licensee Comments: none

### Unplanned Scrams with Complications



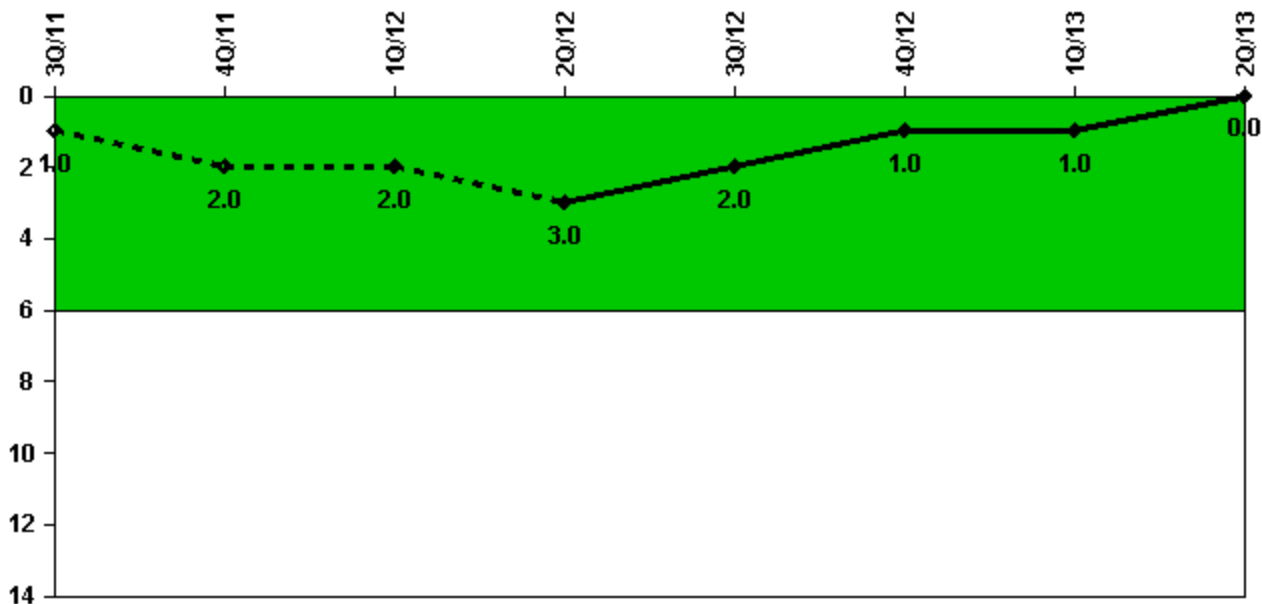
Thresholds: White > 1.0

#### 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 (BWR)



Thresholds: White > 6.0

#### Notes

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

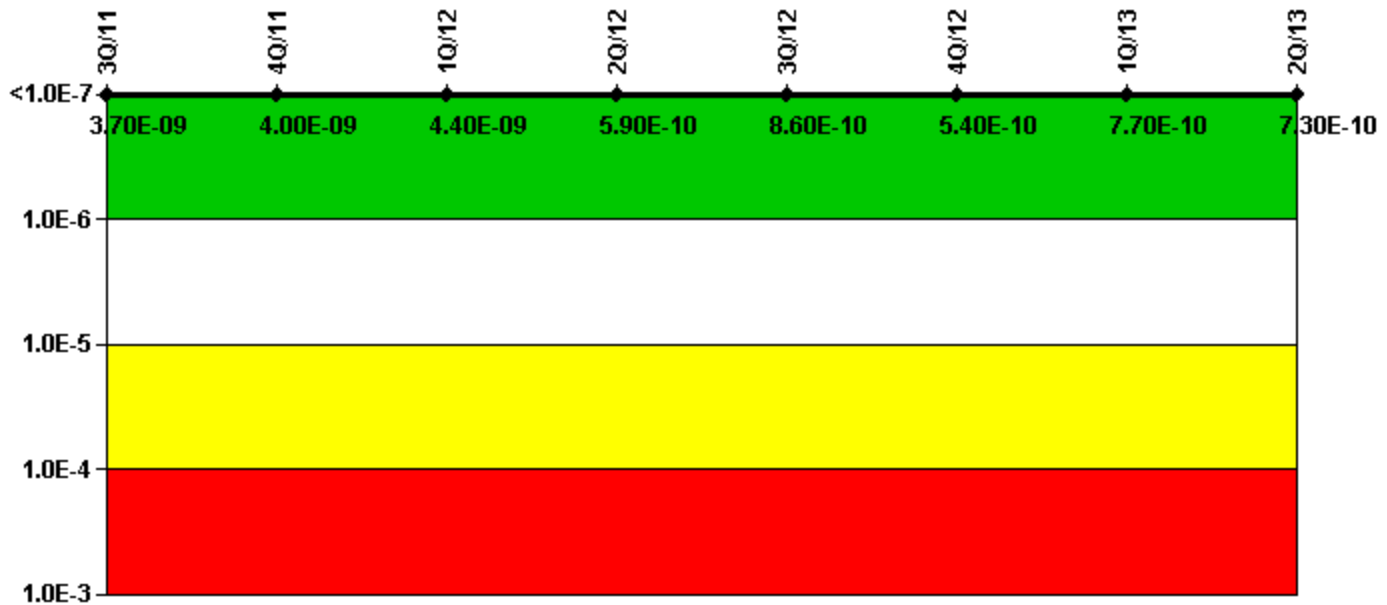
Licensee Comments:

2Q/12: LER 237/2012-001-00, Entire Division of APRM Neutron Flux-High Channels Inoperable as a Result of Power Manuever, dated 4/19/12

4Q/11: LER 237-2011-004-00, Personnel Error Results in Control Room Emergency Ventilation Air Conditioning System Inoperability, dated 12/16/2011

3Q/11: LER 237/2011-001-00, Loss of CCSW System due to Stop Log Installation, dated 7/18/2011

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



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

#### Notes

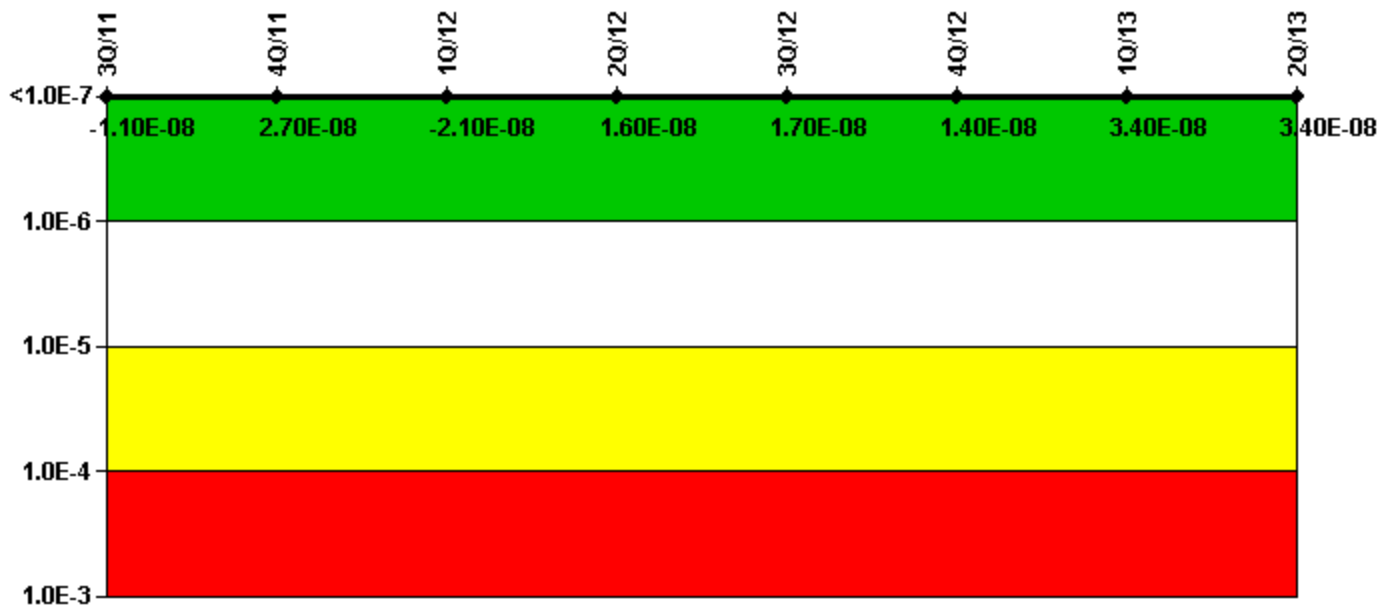
Mitigating Systems Performance Index, Emergency AC Power System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	1.46E-09	1.90E-09	2.12E-09	1.12E-09	1.40E-09	9.20E-10	1.17E-09	1.14E-09
URI ( $\Delta$ CDF)	2.24E-09	2.15E-09	2.25E-09	-5.34E-10	-5.35E-10	-3.82E-10	-4.02E-10	-4.13E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.70E-09	4.00E-09	4.40E-09	5.90E-10	8.60E-10	5.40E-10	7.70E-10	7.30E-10

Licensee Comments:

2Q/12: There is one MSPI failure as documented in IR 1374428 for the failure of the Unit 2 DGCWP to start during a surveillance demand.

4Q/11: The MSPI basis document was revised in late November 2011. The revision (Revision 9) added the Diesel Oil Fuel Transfer Pump to the EDG super component boundary and designated the pump train as a monitored component in accordance with the resolution to FAQ 484. The FAQ resolution has an effective date of 1/1/2012. Therefore, there was no effect on the EDG MSPI data during November or December 2011.

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



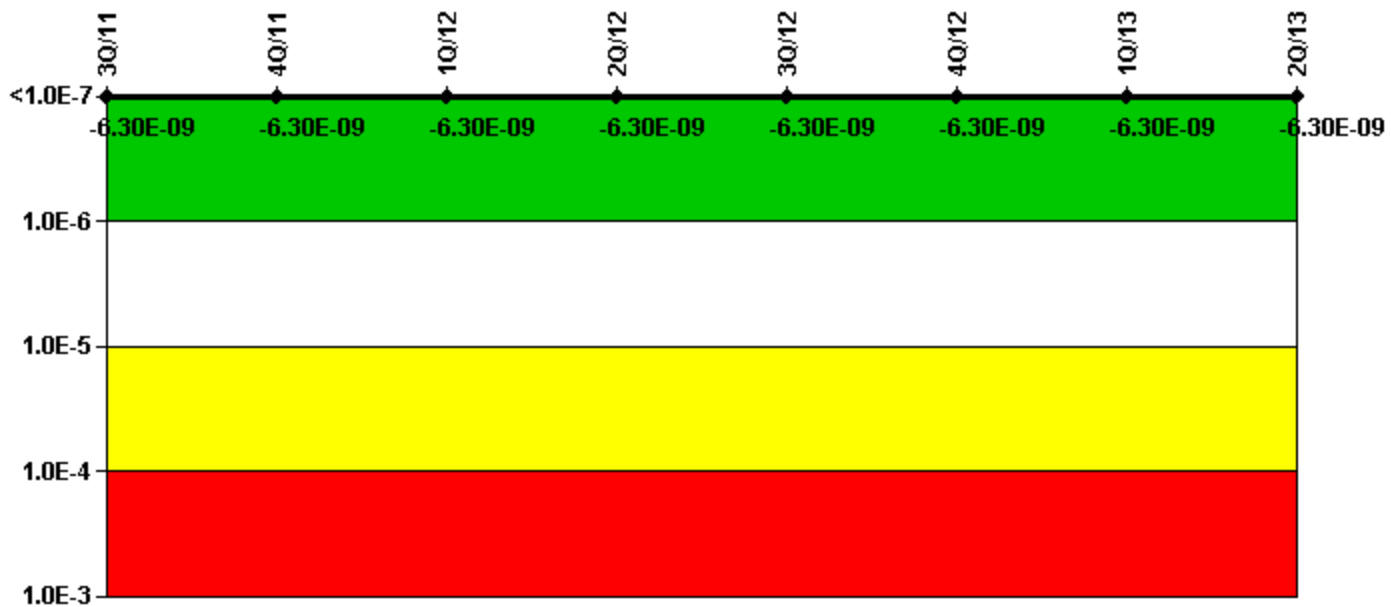
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### 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)	-3.22E-09	3.43E-08	4.49E-08	8.10E-08	8.26E-08	7.95E-08	9.92E-08	9.92E-08
URI ( $\Delta$ CDF)	-7.66E-09	-7.66E-09	-6.55E-08	-6.55E-08	-6.55E-08	-6.55E-08	-6.55E-08	-6.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-08	2.70E-08	-2.10E-08	1.60E-08	1.70E-08	1.40E-08	3.40E-08	3.40E-08

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



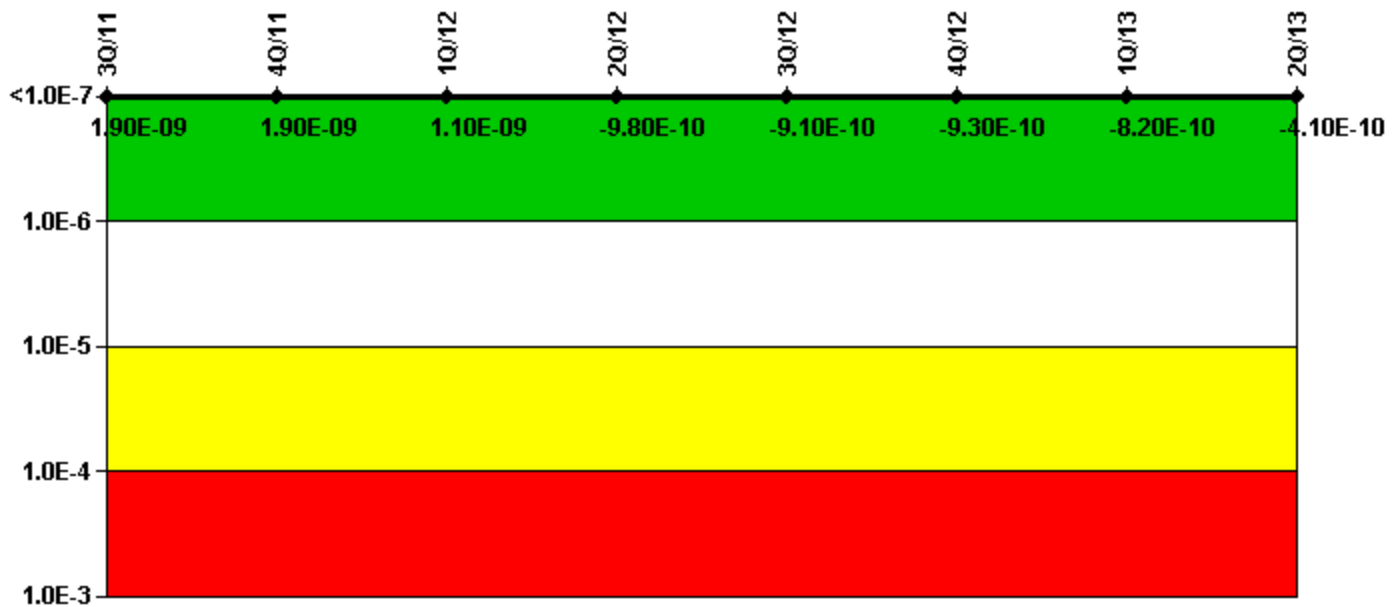
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	-6.24E-09	-6.24E-09	-6.24E-09	-6.24E-09	-6.24E-09	-6.24E-09	-6.24E-09	-6.24E-09
URI ( $\Delta$ CDF)	-9.92E-11	-9.92E-11	-9.92E-11	-9.92E-11	-9.92E-11	-9.92E-11	-9.92E-11	-9.92E-11
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.30E-09	-6.30E-09	-6.30E-09	-6.30E-09	-6.30E-09	-6.30E-09	-6.30E-09	-6.30E-09

Licensee Comments: none

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



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

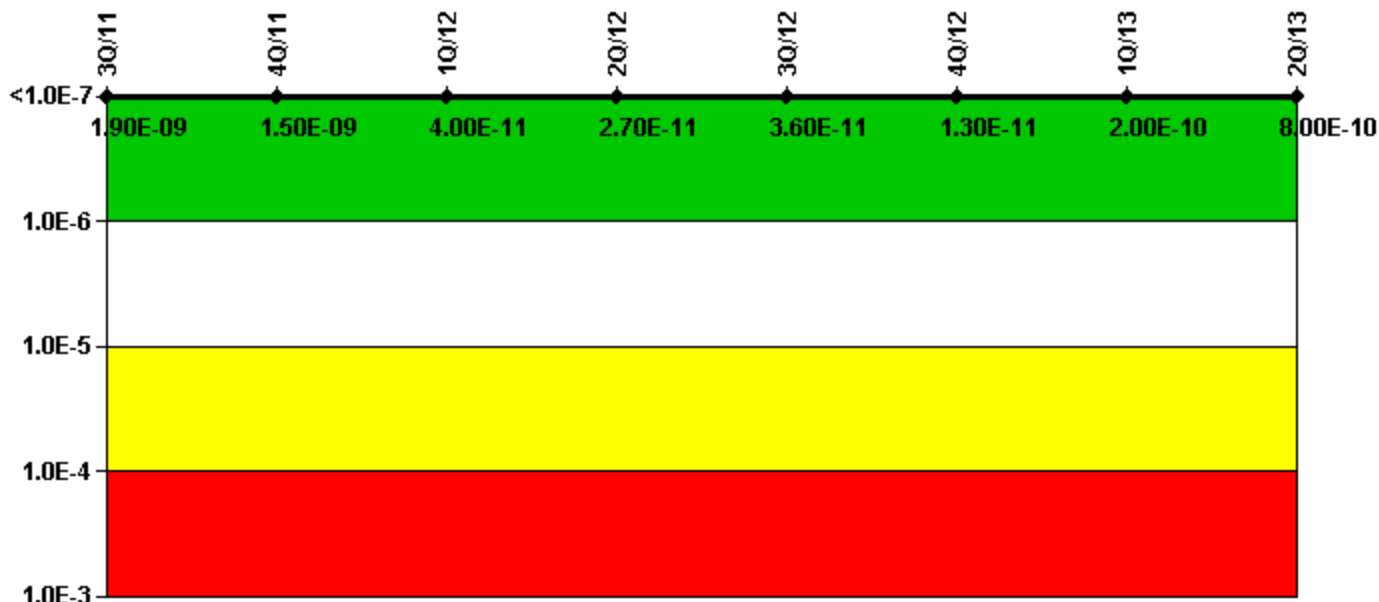
#### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	5.71E-10	5.40E-10	-3.16E-10	-3.74E-10	-3.65E-10	-4.19E-10	-3.06E-10	1.16E-10
URI ( $\Delta$ CDF)	1.31E-09	1.37E-09	1.44E-09	-6.01E-10	-5.41E-10	-5.08E-10	-5.17E-10	-5.23E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.90E-09	1.90E-09	1.10E-09	9.80E-10	9.10E-10	9.30E-10	8.20E-10	4.10E-10

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



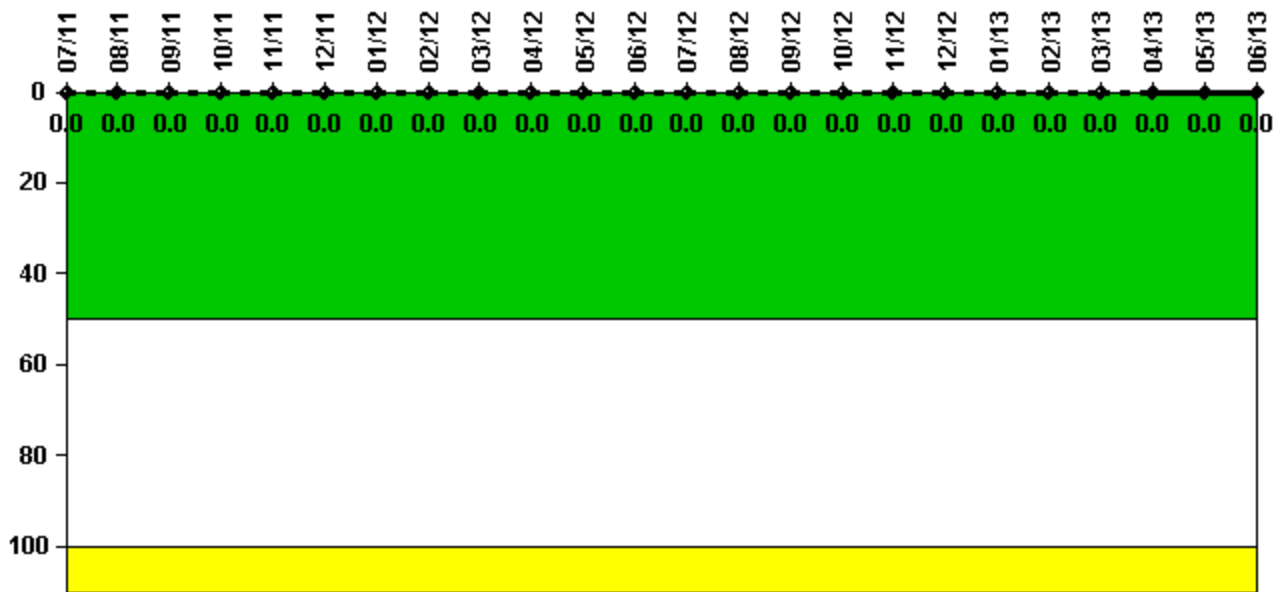
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI ( $\Delta$ CDF)	1.93E-09	1.53E-09	5.38E-11	4.00E-11	4.76E-11	2.38E-11	2.16E-10	8.07E-10
URI ( $\Delta$ CDF)	-1.46E-11	-1.43E-11	-1.37E-11	-1.31E-11	-1.18E-11	-1.11E-11	-1.09E-11	-1.09E-11
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.90E-09	1.50E-09	4.00E-11	2.70E-11	3.60E-11	1.30E-11	2.00E-10	8.00E-10

Licensee Comments: none

### Reactor Coolant System Activity



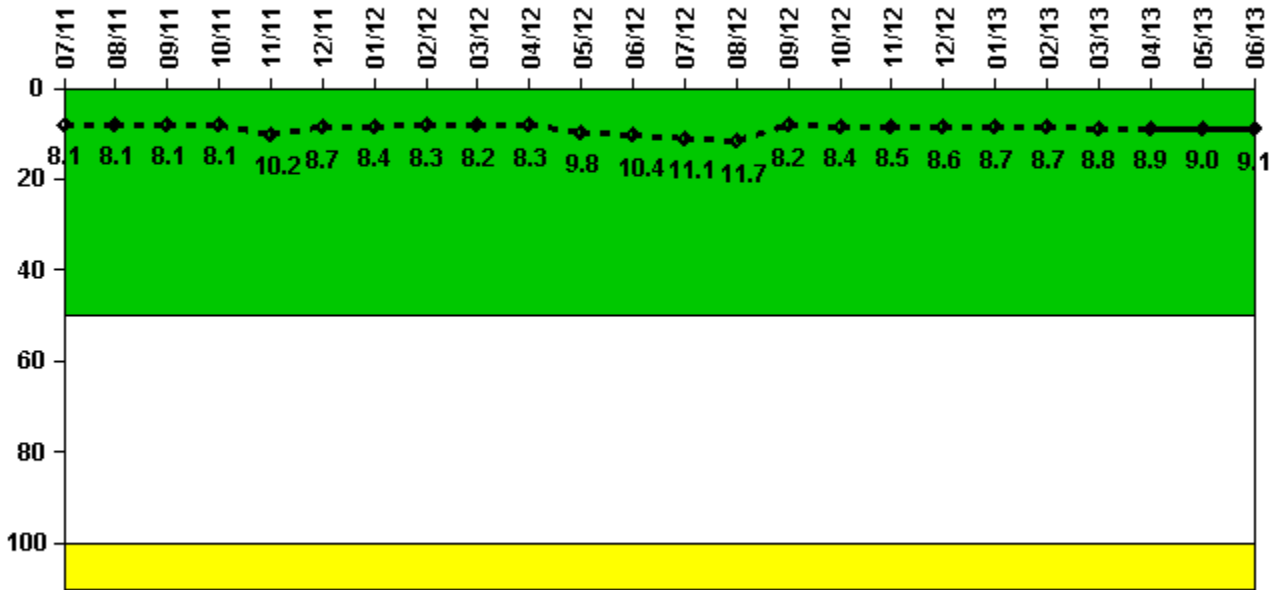
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.000009	0.000004	0.000005	0.000004	0.000004	0.000003	0.000003	0.000003	0.000003	0.000003	0.000005	0.000005
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	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	0.000006	0.000005	0.000003	0.000004	0.000003	0.000006	0.000003	0.000005	0.000005	0.000011	0.000006	0.000018
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



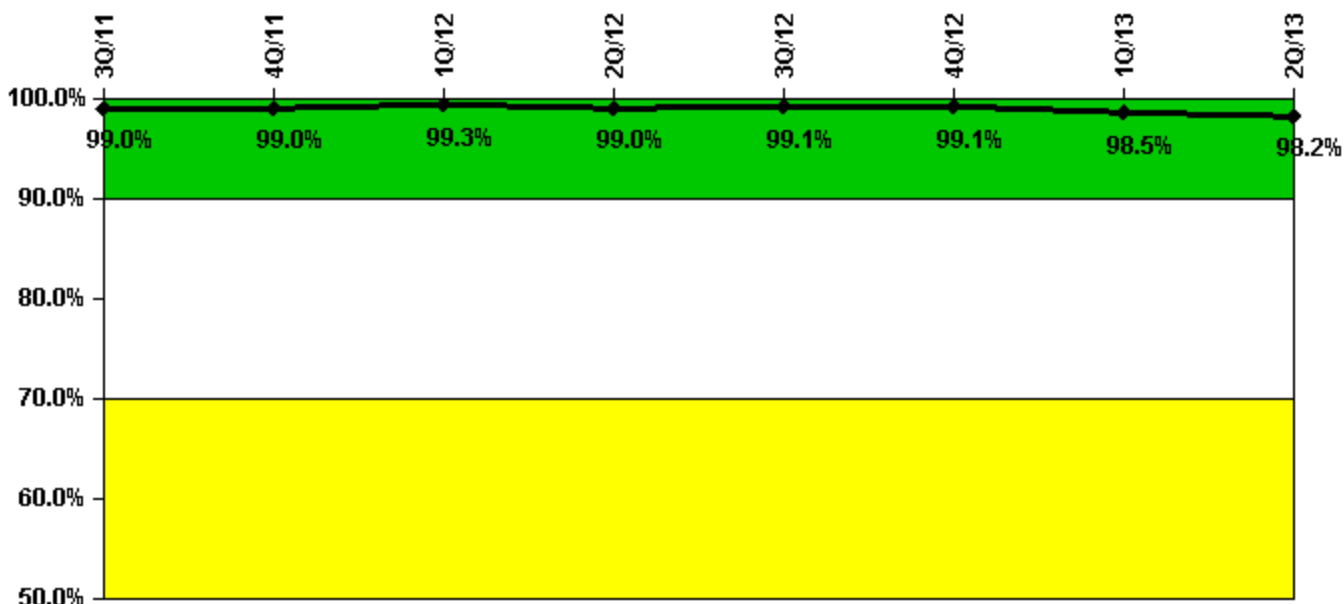
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	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	2.013	2.025	2.023	2.028	2.550	2.178	2.093	2.070	2.055	2.087	2.462	2.610
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	8.1	8.1	8.1	8.1	10.2	8.7	8.4	8.3	8.2	8.3	9.8	10.4
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	2.787	2.923	2.045	2.102	2.115	2.143	2.170	2.173	2.203	2.237	2.260	2.278
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	11.1	11.7	8.2	8.4	8.5	8.6	8.7	8.7	8.8	8.9	9.0	9.1

Licensee Comments: none

### Drill/Exercise Performance



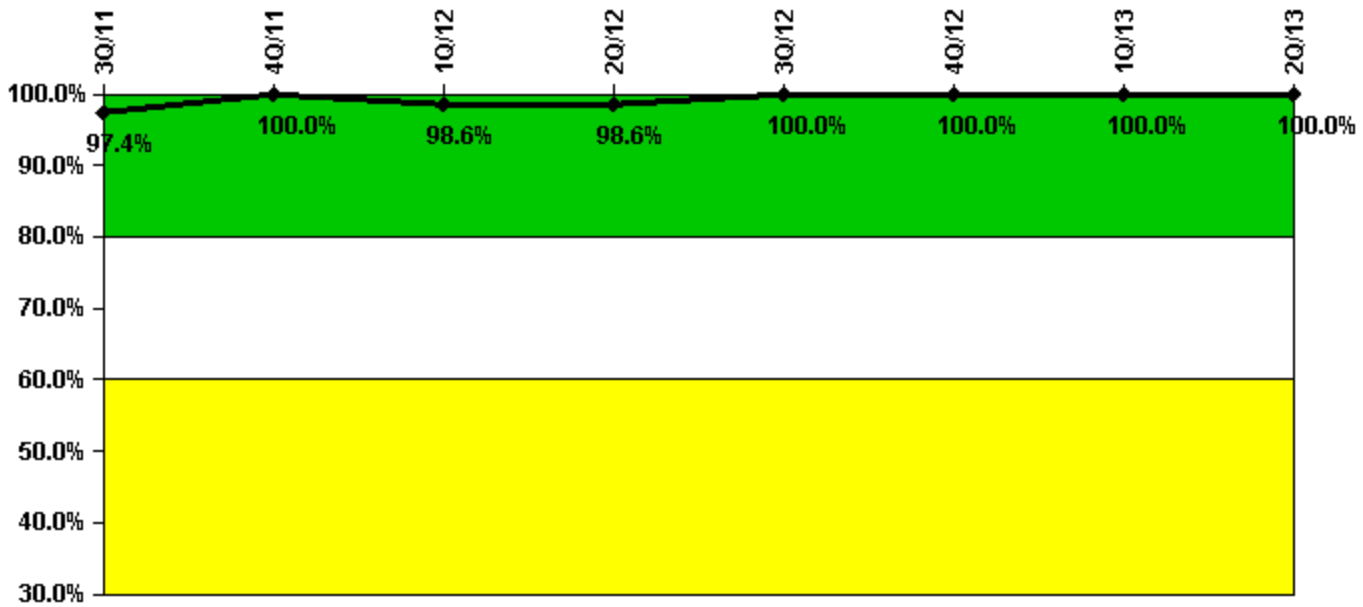
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	62.0	24.0	48.0	49.0	20.0	19.0	58.0	43.0
Total opportunities	62.0	24.0	48.0	51.0	20.0	19.0	61.0	44.0
Indicator value	99.0%	99.0%	99.3%	99.0%	99.1%	99.1%	98.5%	98.2%

Licensee Comments: none

### ERO Drill Participation



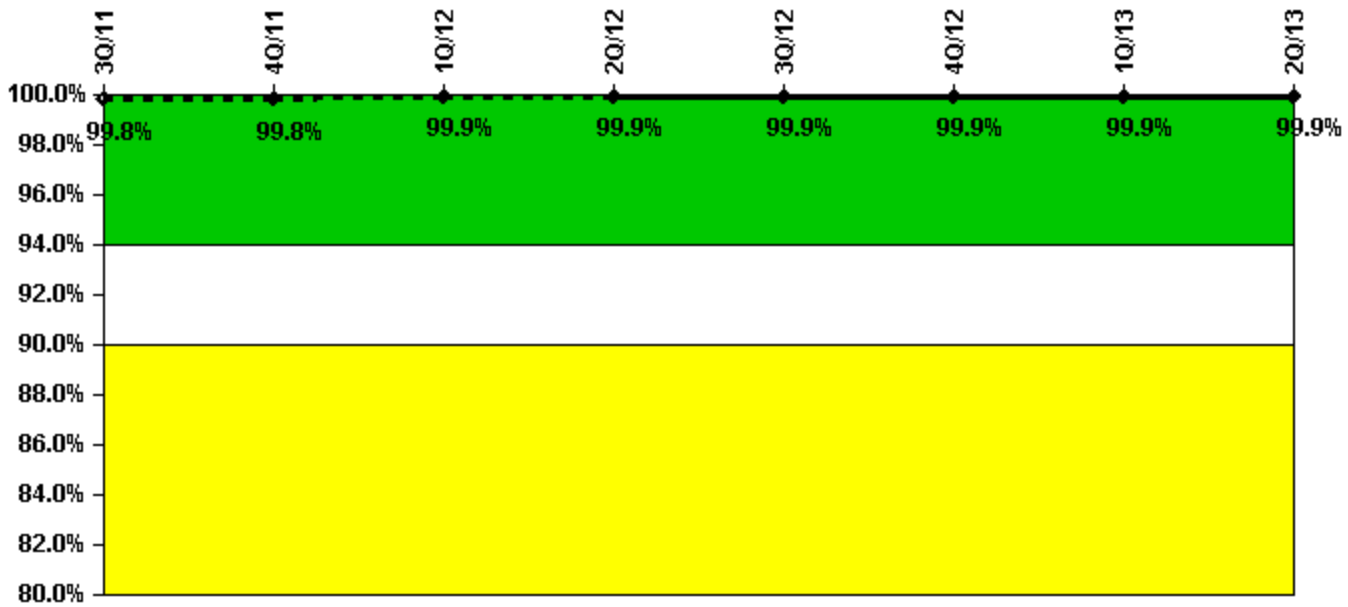
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	74.0	74.0	72.0	70.0	71.0	72.0	72.0	73.0
Total Key personnel	76.0	74.0	73.0	71.0	71.0	72.0	72.0	73.0
Indicator value	97.4%	100.0%	98.6%	98.6%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



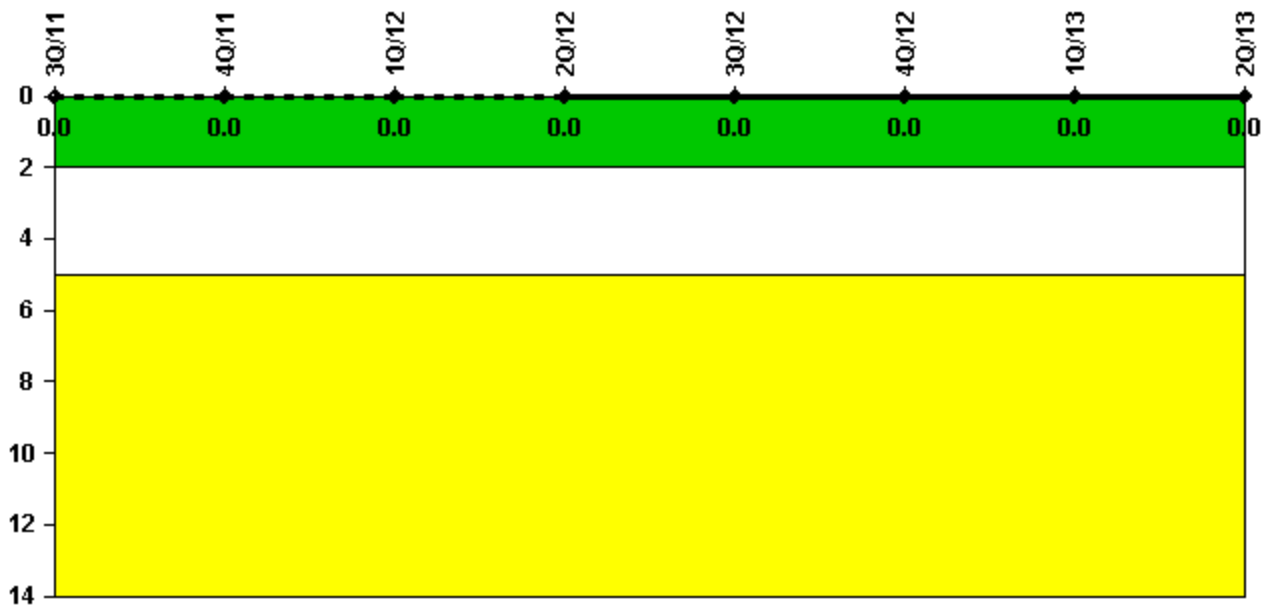
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	2940	2940	2989	2940	2893	2944	2942	2938
Total sirens-tests	2944	2944	2990	2944	2898	2944	2944	2944
Indicator value	99.8%	99.8%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



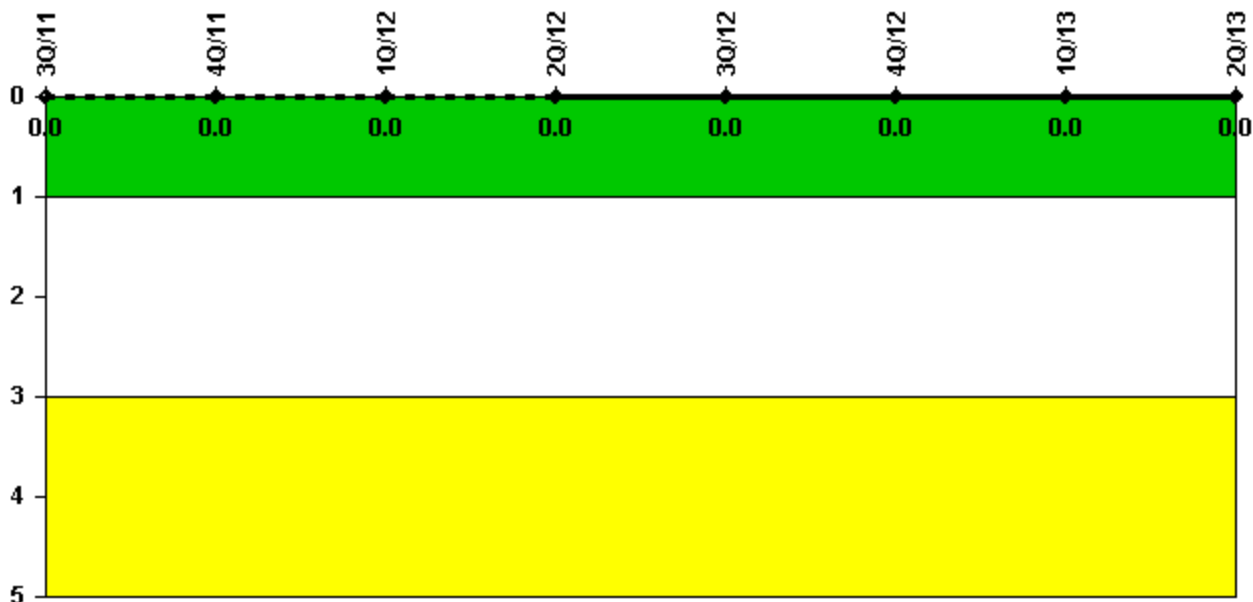
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/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	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
Indicator value	0	0	0	0	0	0	0	0

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*