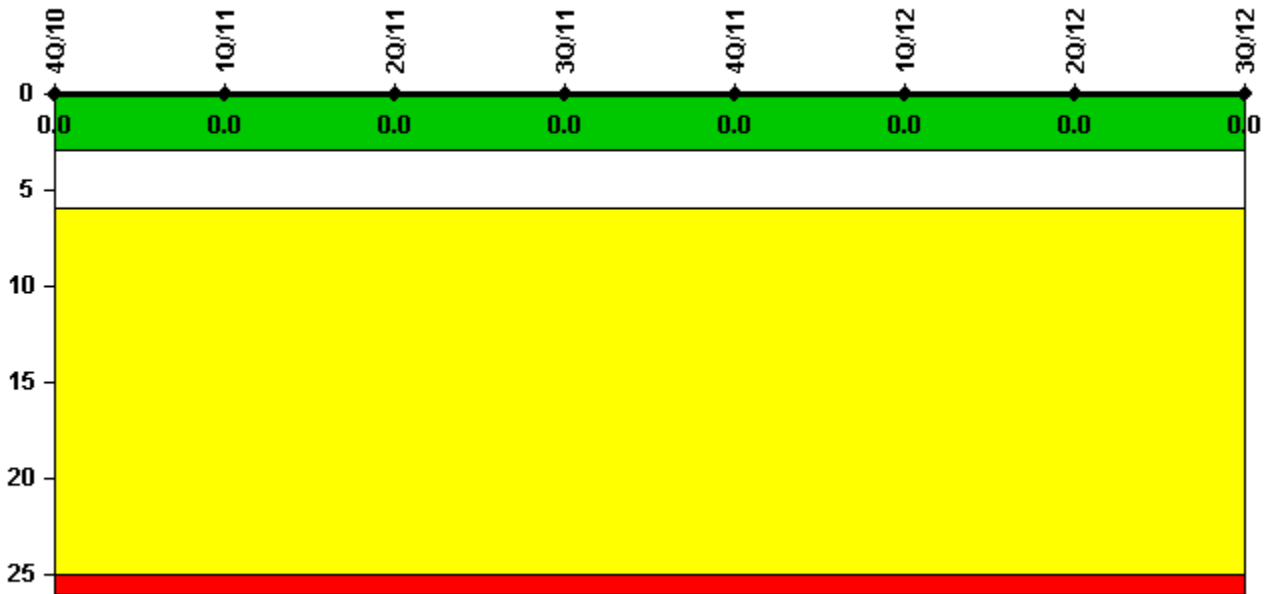


# Hope Creek 1

## 3Q/2012 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



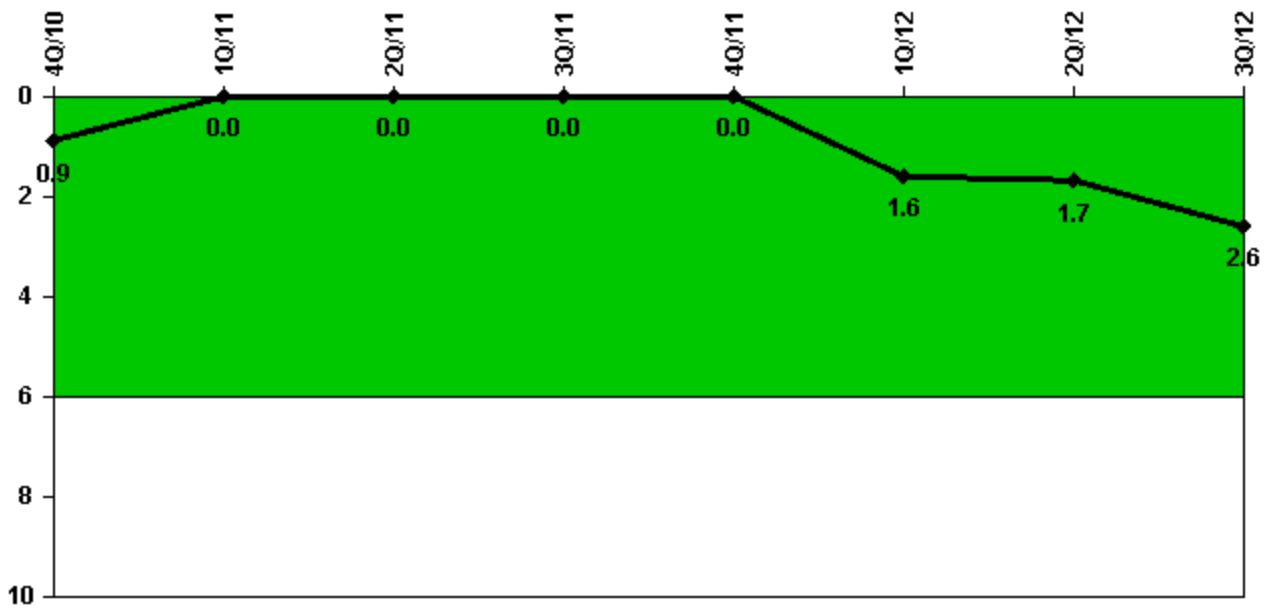
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1600.7	2108.4	2184.0	2208.0	2209.0	2183.0	1600.6	2208.0
<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

### Unplanned Power Changes per 7000 Critical Hrs



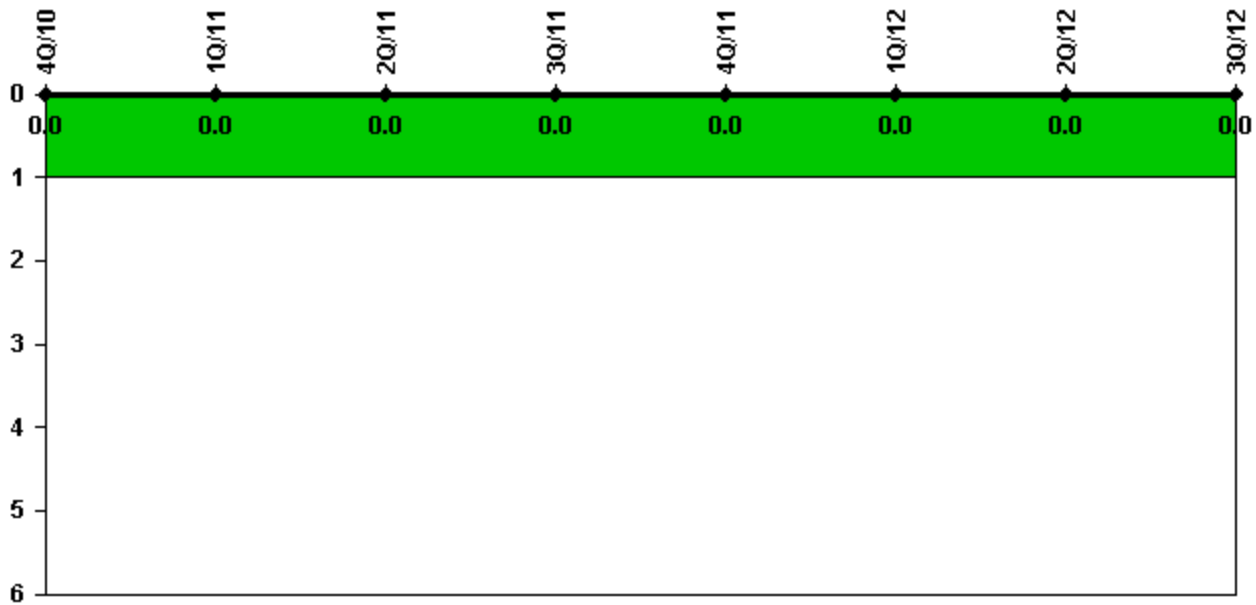
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	0	0	0	0	0	2.0	0	1.0
Critical hours	1600.7	2108.4	2184.0	2208.0	2209.0	2183.0	1600.6	2208.0
<b>Indicator value</b>	<b>0.9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1.6</b>	<b>1.7</b>	<b>2.6</b>

Licensee Comments: none

### Unplanned Scrams with Complications



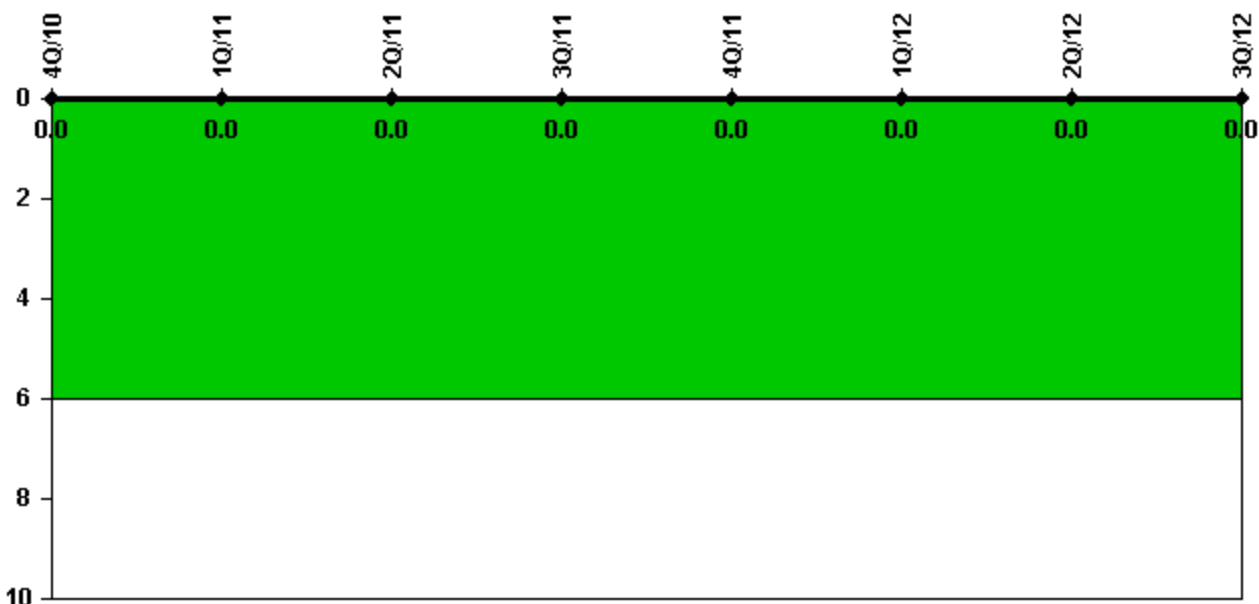
Thresholds: White > 1.0

#### Notes

Unplanned Scrams with Complications	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
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)	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Safety System Functional Failures	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:

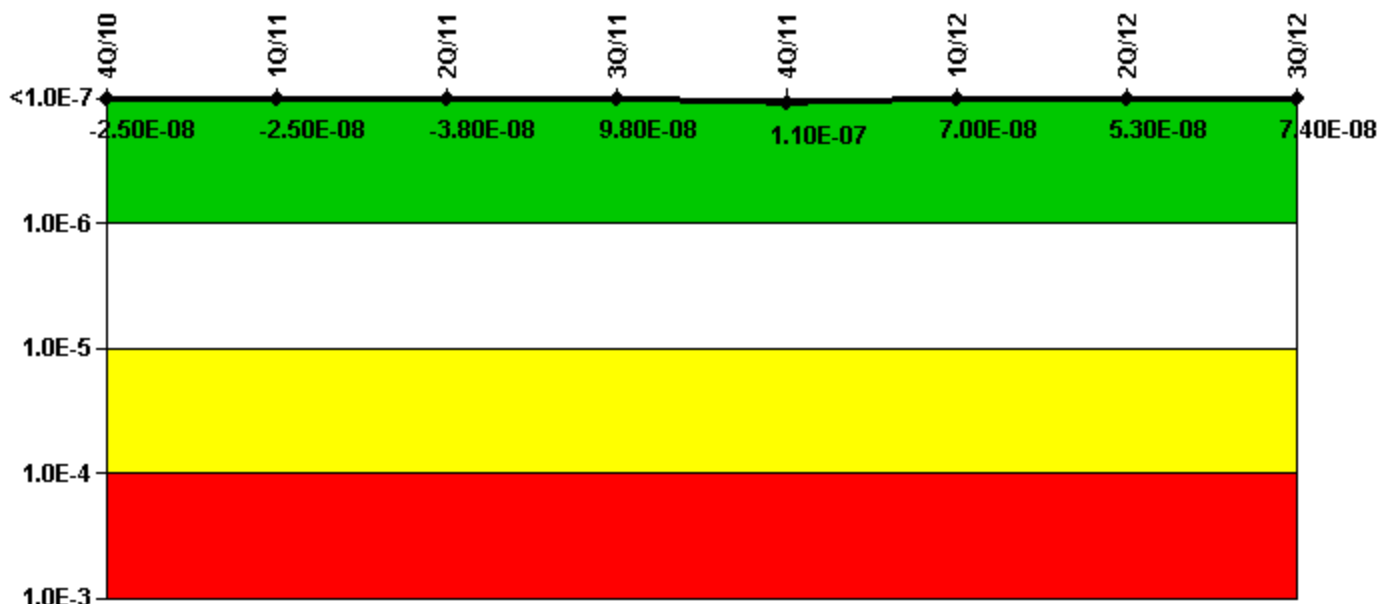
2Q/12: LER 354/2012-002 submitted on May 14, 2012

2Q/12: A SSFF reported via LER 354/2012-002 on 5/14/12(suspected failure of HPCI governor valve). Vendor analysis supported operability of the valve and HPCI, therefore LER and SSF retracted on 8/23/12 via PSEG Letter to NRC Document Control Desk LR-N12-024.

3Q/11: Hope Creek LER 354/11-001(submitted 9/22/11) reported a condition under Hope Creek LER 354/11-001 (submitted 9/22/11) reported a SSFF. A subsequent Engineering Technical Evaluation concluded that the system remained capable of performing its safety function. Therefore the SSFF has been removed from the data input.

3Q/11: Hope Creek LER 354/11-001(submitted 9/22/11) reported a condition under 10CFR50.73 (a)(2)(v)(D) as an event or condition that could have prevented the fulfillment of the safety function of a SSC that is needed to mitigate the consequences of an accident.

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



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

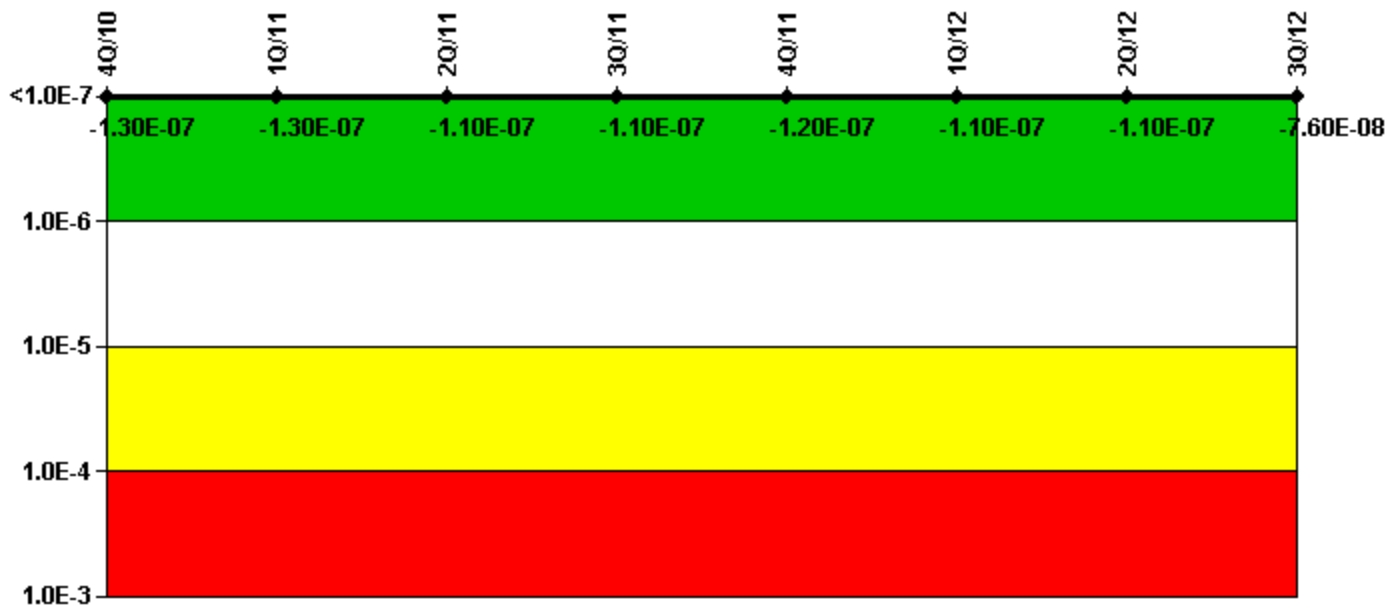
#### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI ( $\Delta$ CDF)	9.47E-08	9.64E-08	8.26E-08	9.13E-08	9.16E-08	5.34E-08	2.79E-08	4.70E-08
URI ( $\Delta$ CDF)	-1.20E-07	-1.21E-07	-1.20E-07	6.98E-09	1.68E-08	1.64E-08	2.48E-08	2.73E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.50E-08	-2.50E-08	-3.80E-08	9.80E-08	1.10E-07	7.00E-08	5.30E-08	7.40E-08

Licensee Comments:

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

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



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

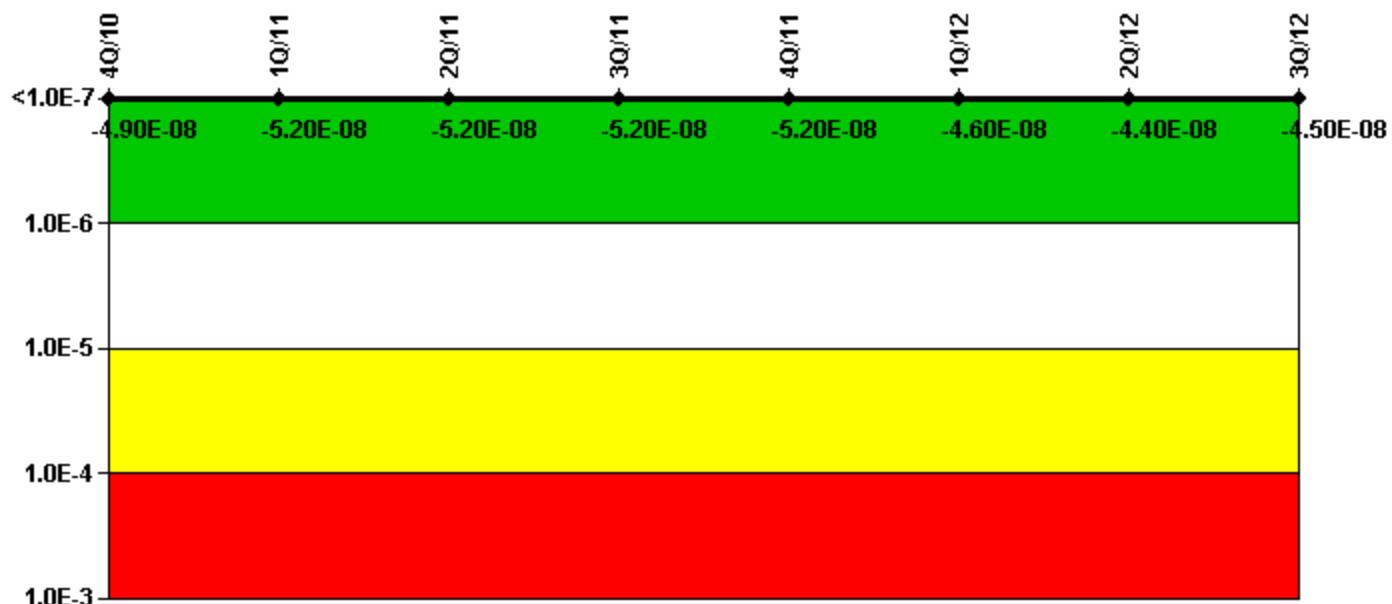
#### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI ( $\Delta$ CDF)	-3.38E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.56E-08	-3.36E-08	-3.36E-08	-3.03E-08
URI ( $\Delta$ CDF)	-9.24E-08	-9.24E-08	-8.05E-08	-8.05E-08	-8.27E-08	-7.94E-08	-8.11E-08	-4.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-07	-1.30E-07	-1.10E-07	-1.10E-07	-1.20E-07	-1.10E-07	-1.10E-07	-7.60E-08

Licensee Comments:

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

### Mitigating Systems Performance Index, Heat Removal System



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

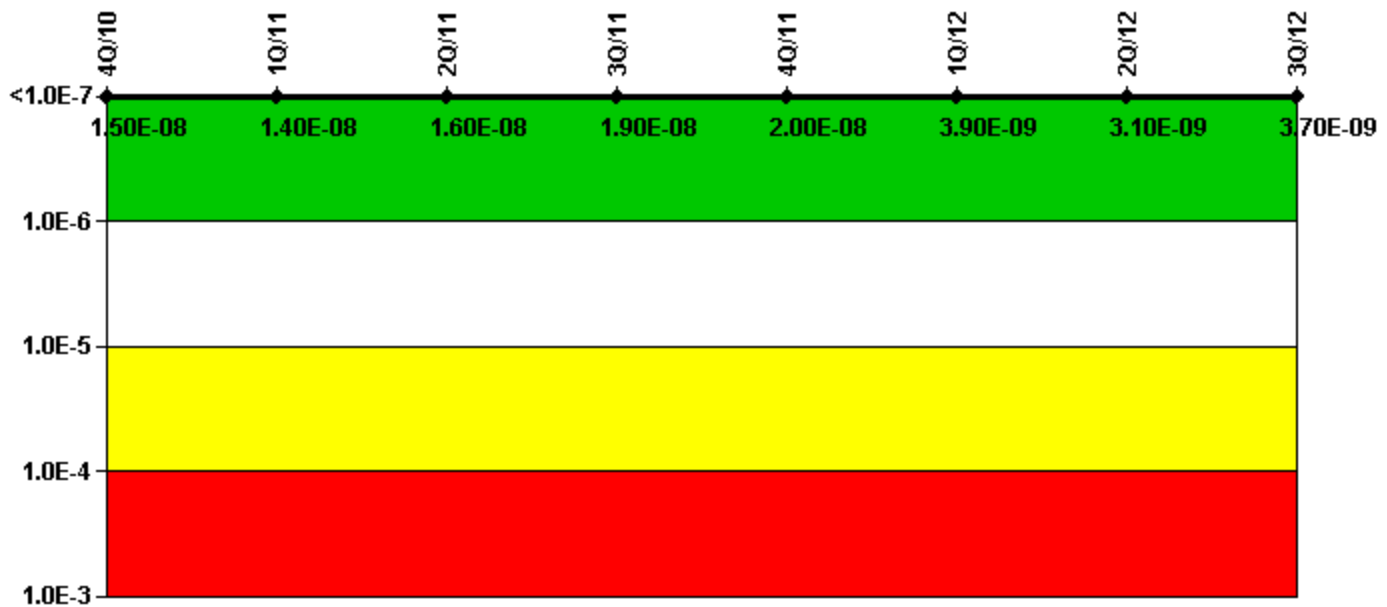
#### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI ( $\Delta$ CDF)	-1.29E-08	-1.29E-08	-1.29E-08	-1.29E-08	-1.29E-08	-1.16E-08	-1.16E-08	-1.16E-08
URI ( $\Delta$ CDF)	-3.59E-08	-3.95E-08	-3.95E-08	-3.95E-08	-3.87E-08	-3.43E-08	-3.26E-08	-3.35E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.90E-08	-5.20E-08	-5.20E-08	-5.20E-08	-5.20E-08	-4.60E-08	-4.40E-08	-4.50E-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

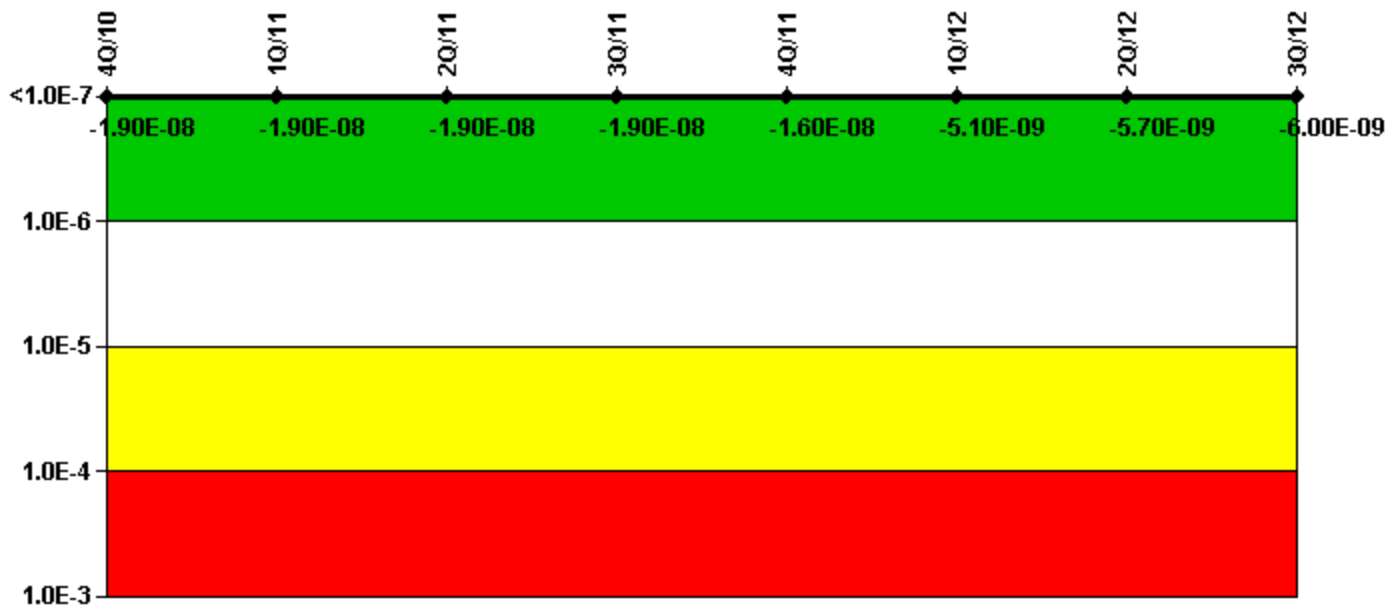
Mitigating Systems Performance Index, Residual Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI ( $\Delta$ CDF)	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-3.26E-09	-3.26E-09	-3.26E-09
URI ( $\Delta$ CDF)	2.47E-08	2.41E-08	2.63E-08	2.90E-08	3.02E-08	7.20E-09	6.31E-09	6.96E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.50E-08	1.40E-08	1.60E-08	1.90E-08	2.00E-08	3.90E-09	3.10E-09	3.70E-09

Licensee Comments:

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



### Mitigating Systems Performance Index, Cooling Water Systems



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

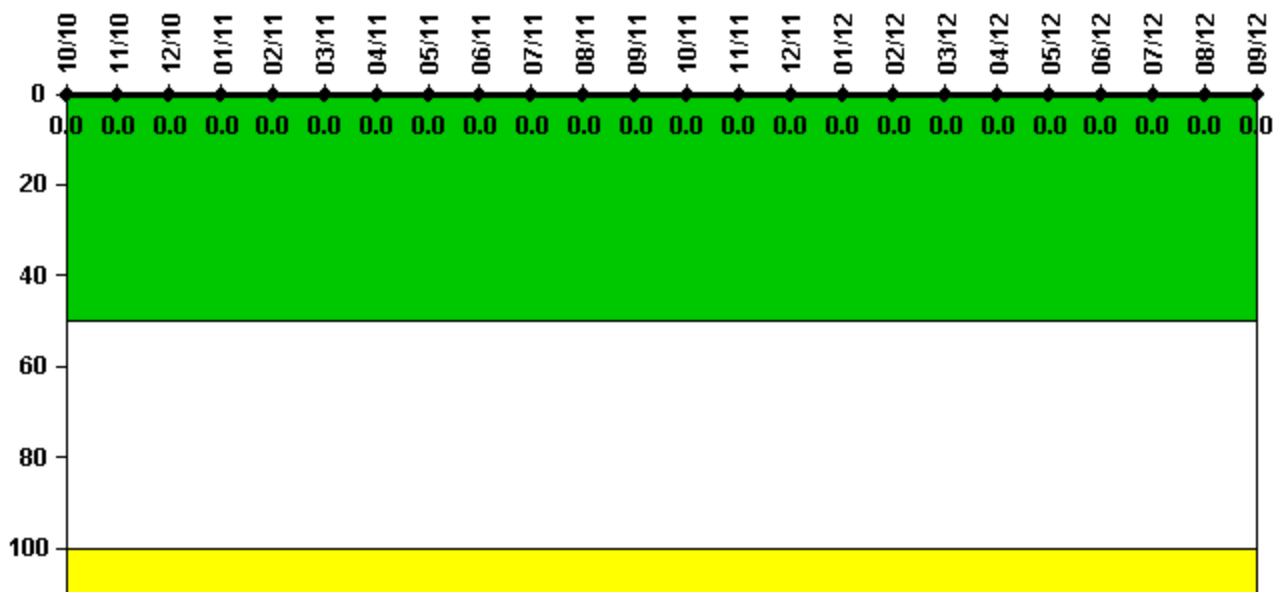
#### Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI ( $\Delta$ CDF)	-7.59E-09	-7.45E-09	-7.34E-09	-7.27E-09	-4.88E-09	-2.18E-09	-2.76E-09	-3.09E-09
URI ( $\Delta$ CDF)	-1.16E-08	-1.13E-08	-1.14E-08	-1.14E-08	-1.14E-08	-2.93E-09	-2.92E-09	-2.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.60E-08	-5.10E-09	-5.70E-09	-6.00E-09

Licensee Comments:

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

### Reactor Coolant System Activity



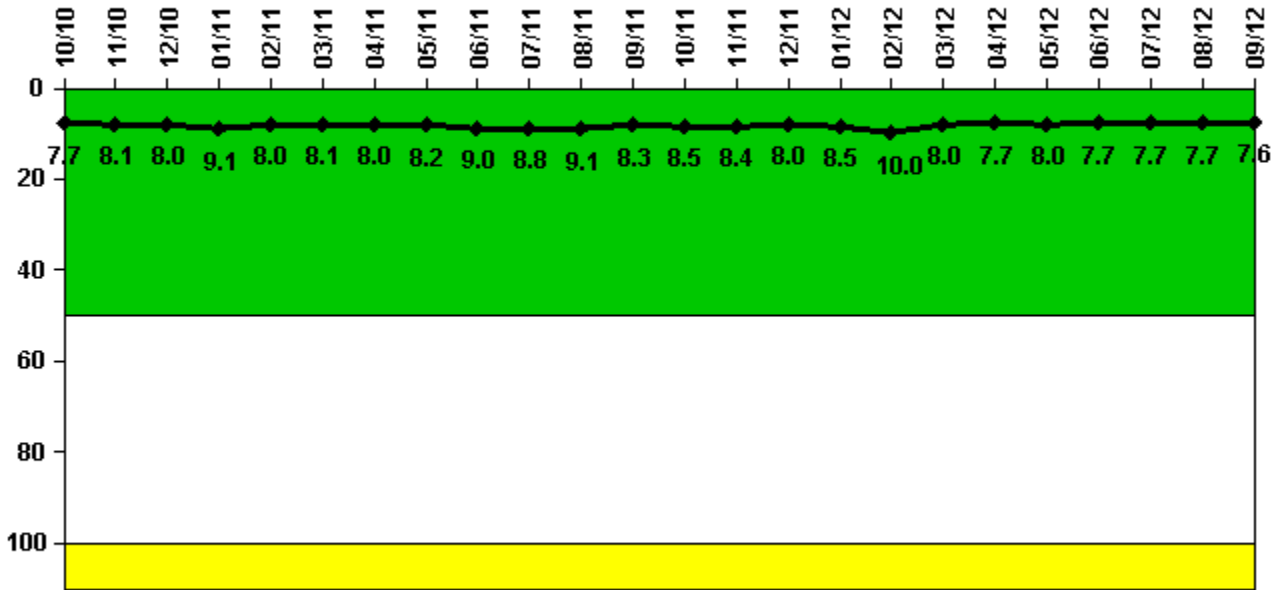
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum activity	0.000058	0.000046	0.000041	0.000042	0.000065	0.000043	0.000044	0.000042	0.000043	0.000053	0.000042	0.000049
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	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000043	0.000044	0.000043	0.000048	0.000039	0.000041	0.000042	0.000040	0.000037	0.000039	0.000039	0.000041
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



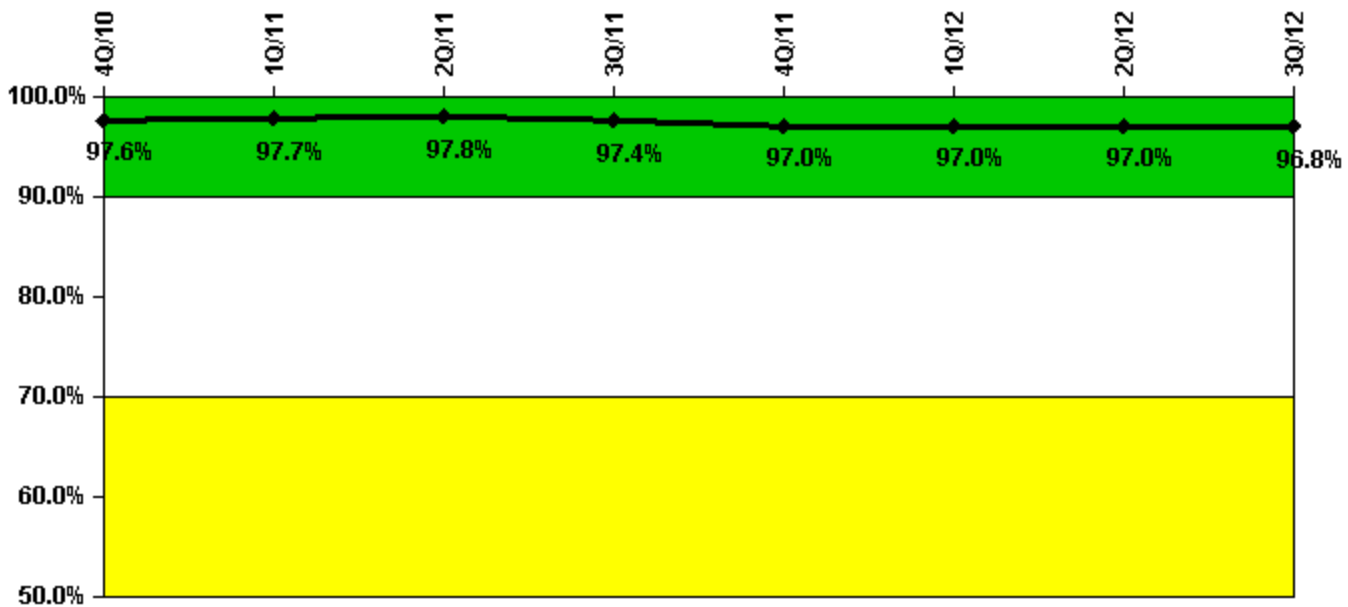
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	1.930	2.020	2.000	2.282	2.000	2.020	1.990	2.050	2.252	2.210	2.270	2.070
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	<b>7.7</b>	<b>8.1</b>	<b>8.0</b>	<b>9.1</b>	<b>8.0</b>	<b>8.1</b>	<b>8.0</b>	<b>8.2</b>	<b>9.0</b>	<b>8.8</b>	<b>9.1</b>	<b>8.3</b>
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	2.120	2.102	2.000	2.120	2.500	1.990	1.920	2.000	1.920	1.920	1.930	1.900
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	<b>8.5</b>	<b>8.4</b>	<b>8.0</b>	<b>8.5</b>	<b>10.0</b>	<b>8.0</b>	<b>7.7</b>	<b>8.0</b>	<b>7.7</b>	<b>7.7</b>	<b>7.7</b>	<b>7.6</b>

Licensee Comments: none

### Drill/Exercise Performance



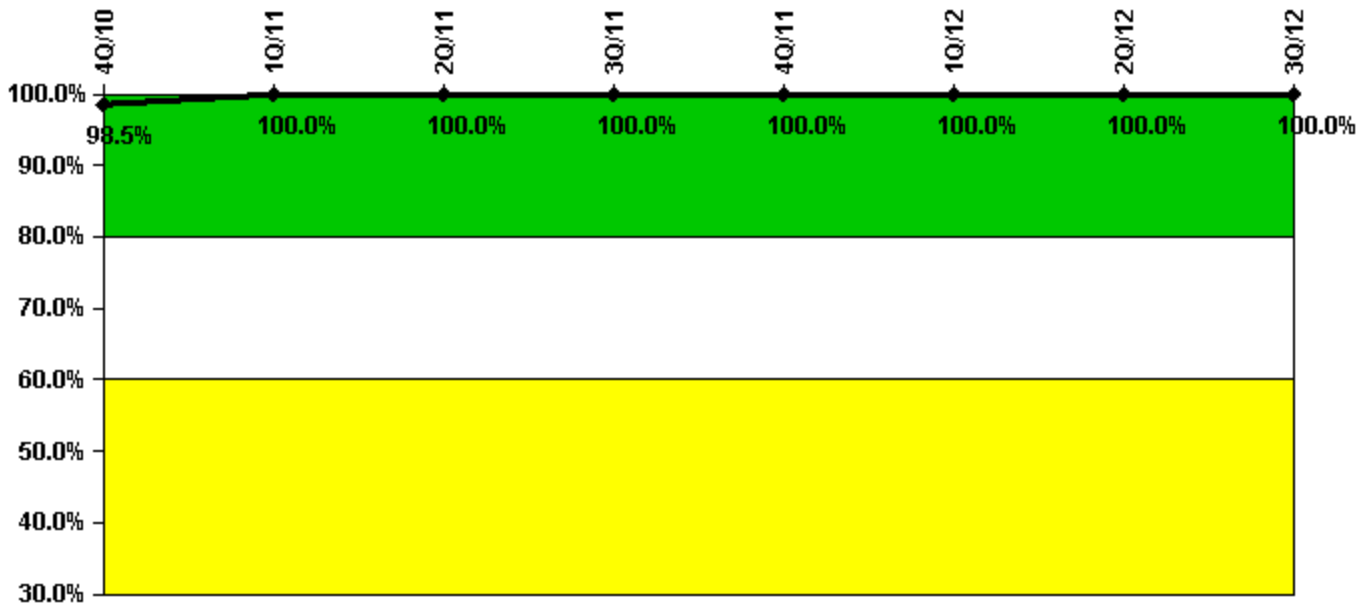
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful opportunities	39.0	43.0	40.0	34.0	72.0	30.0	22.0	51.0
Total opportunities	40.0	44.0	41.0	37.0	75.0	31.0	22.0	52.0
Indicator value	97.6%	97.7%	97.8%	97.4%	97.0%	97.0%	97.0%	96.8%

Licensee Comments: none

### ERO Drill Participation



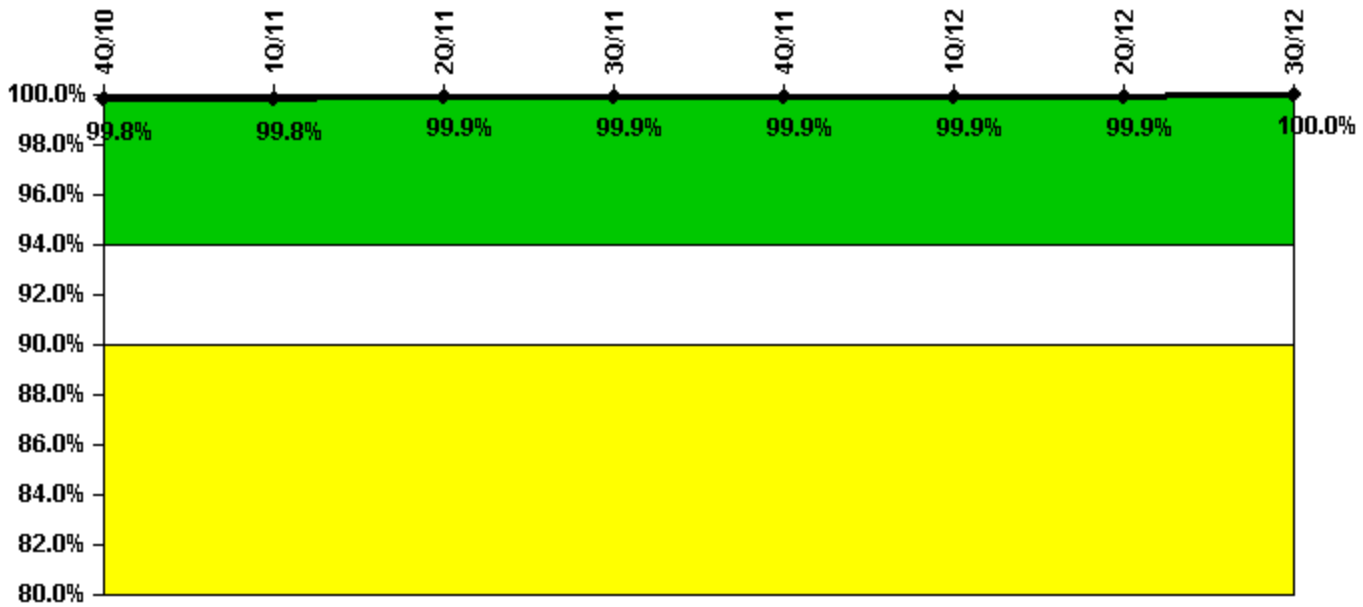
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	132.0	128.0	130.0	131.0	136.0	136.0	126.0	121.0
Total Key personnel	134.0	128.0	130.0	131.0	136.0	136.0	126.0	121.0
<b>Indicator value</b>	<b>98.5%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Licensee Comments: none

### Alert & Notification System



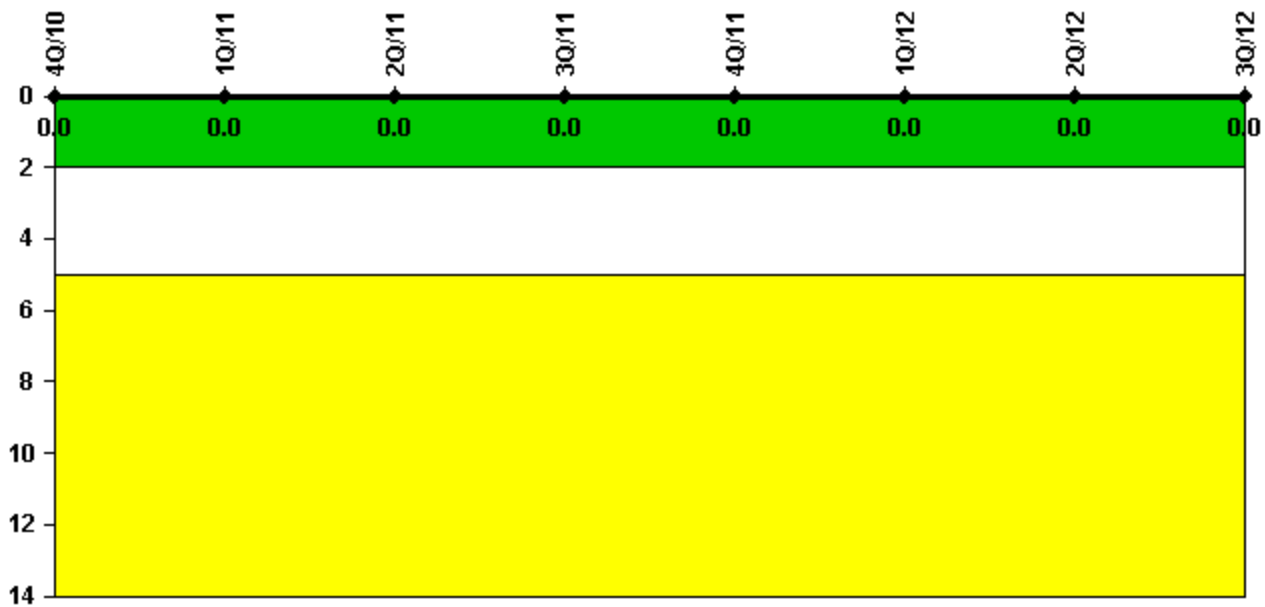
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful siren-tests	497	497	497	496	497	497	497	497
Total sirens-tests	497	497	497	497	497	497	497	497
Indicator value	99.8%	99.8%	99.9%	99.9%	99.9%	99.9%	99.9%	100.0%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



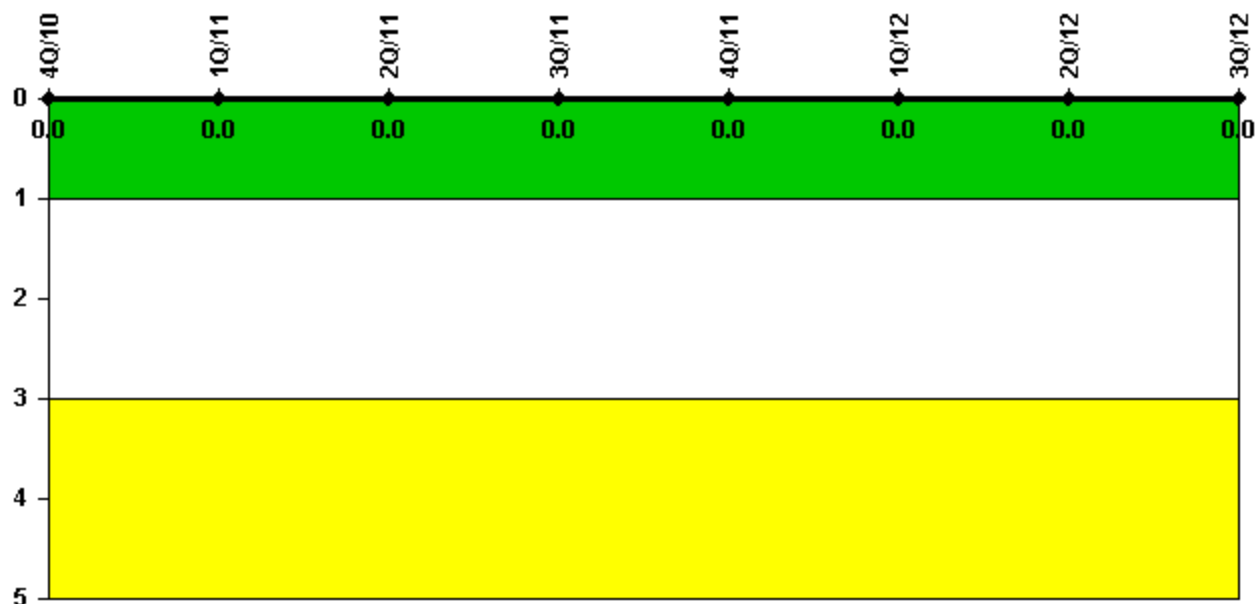
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
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	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
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: October 24, 2012*