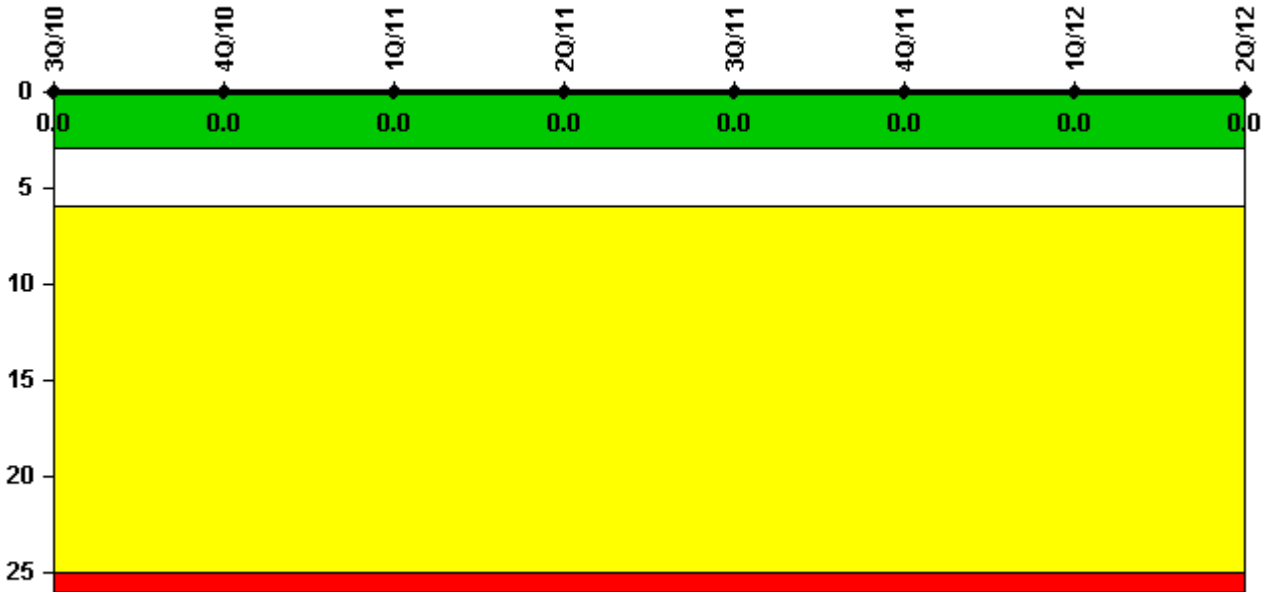


# Hope Creek 1

## 2Q/2012 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

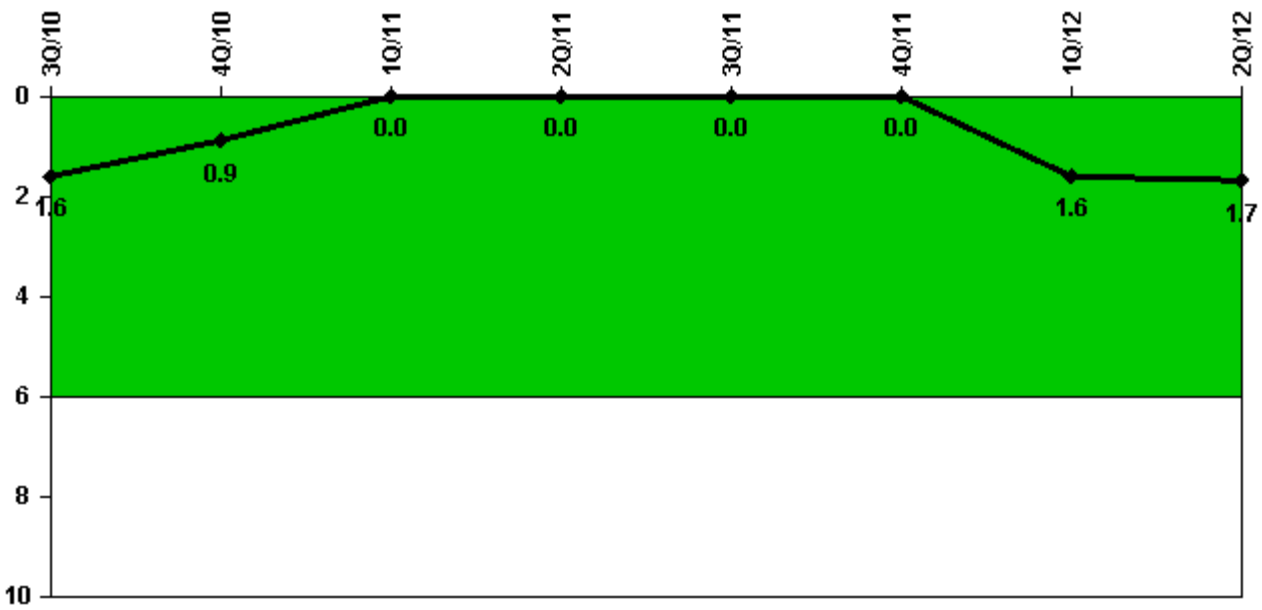
### Notes

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

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



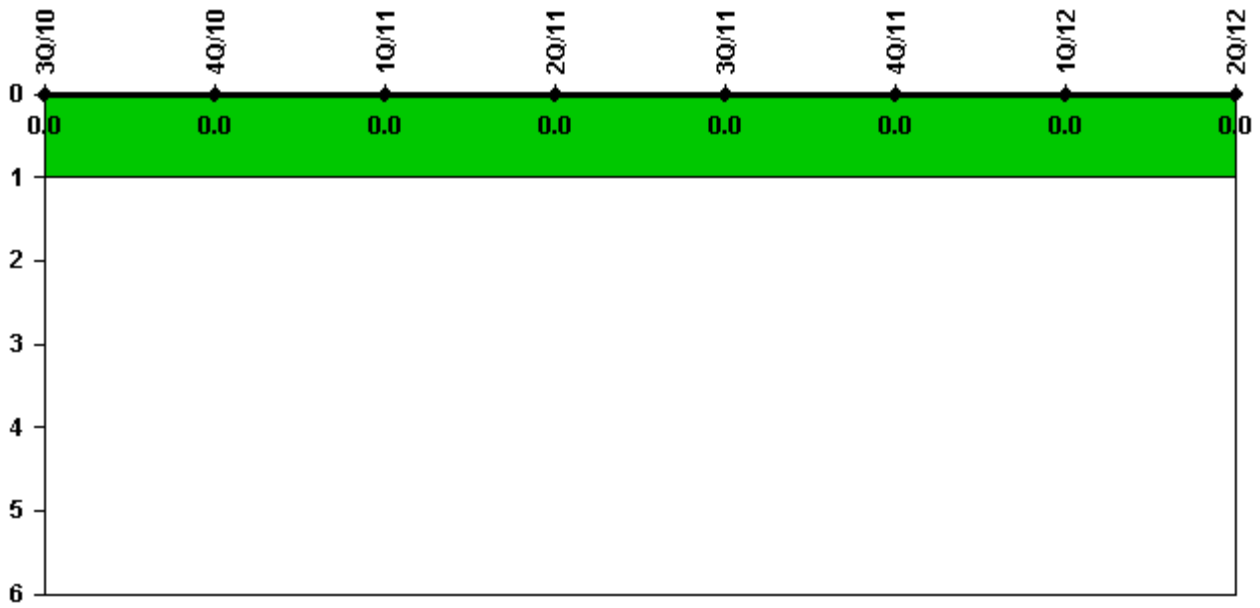
Thresholds: White > 6.0

### Notes

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

Licensee Comments: none

## Unplanned Scrams with Complications



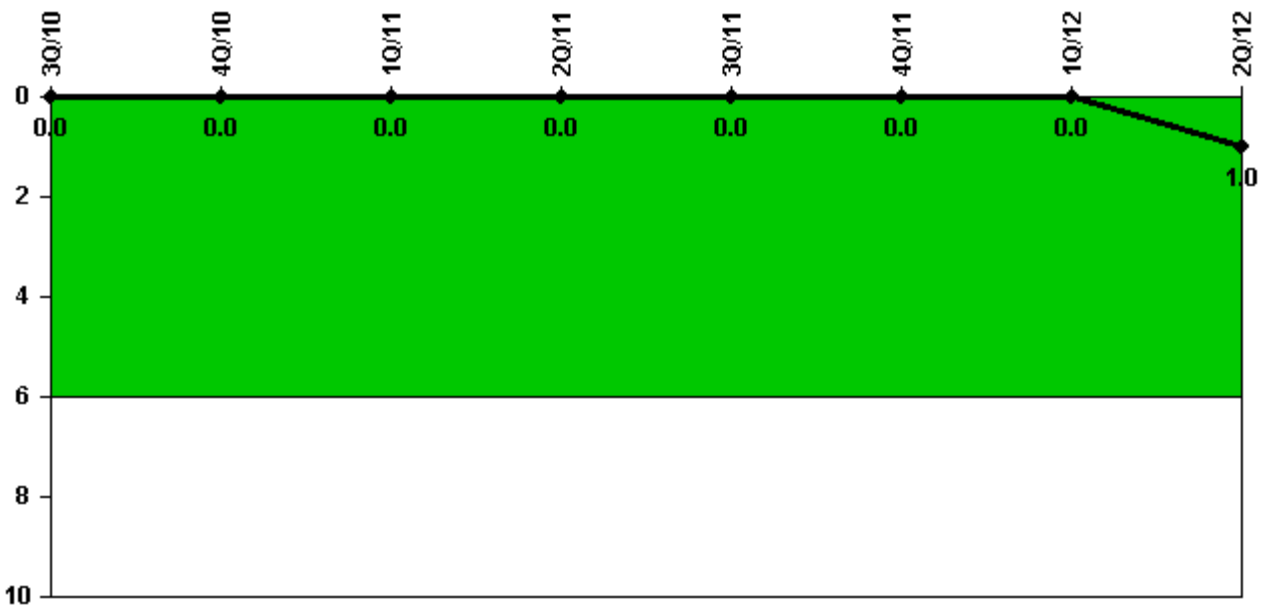
Thresholds: White > 1.0

### Notes

Unplanned Scrams with Complications	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

## Safety System Functional Failures (BWR)



Thresholds: White > 6.0

### Notes

Safety System Functional Failures (BWR)	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	0	0	0	0	0	0	0	1

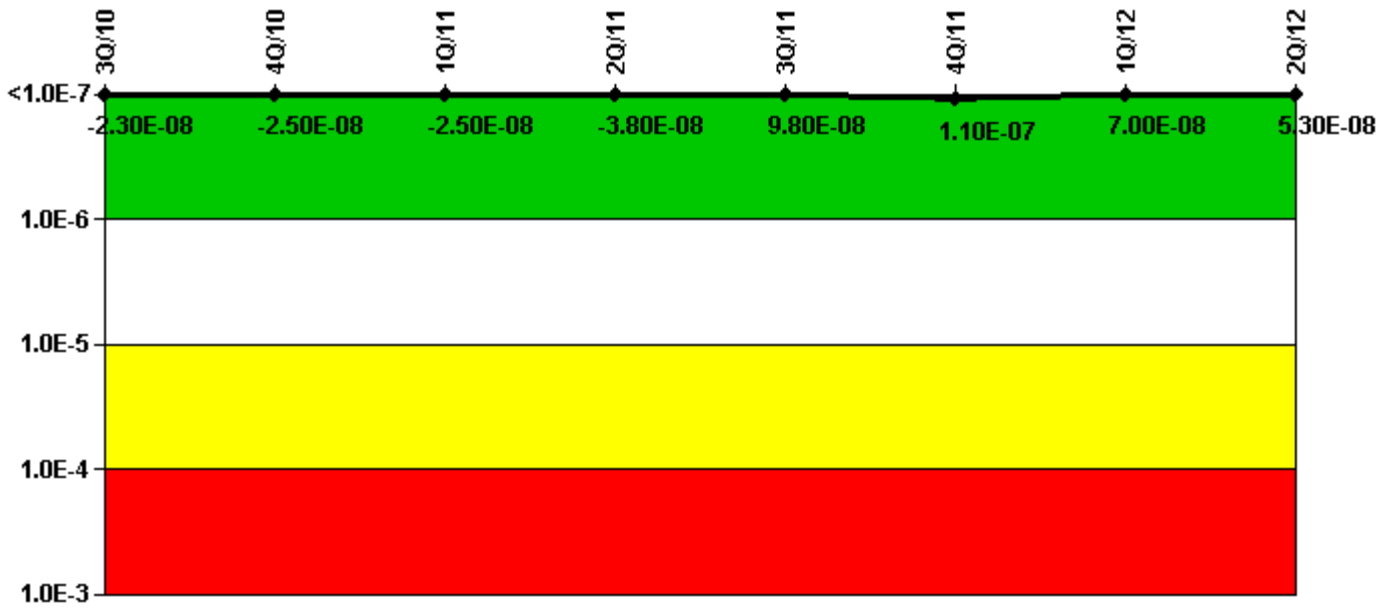
Licensee Comments:

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

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

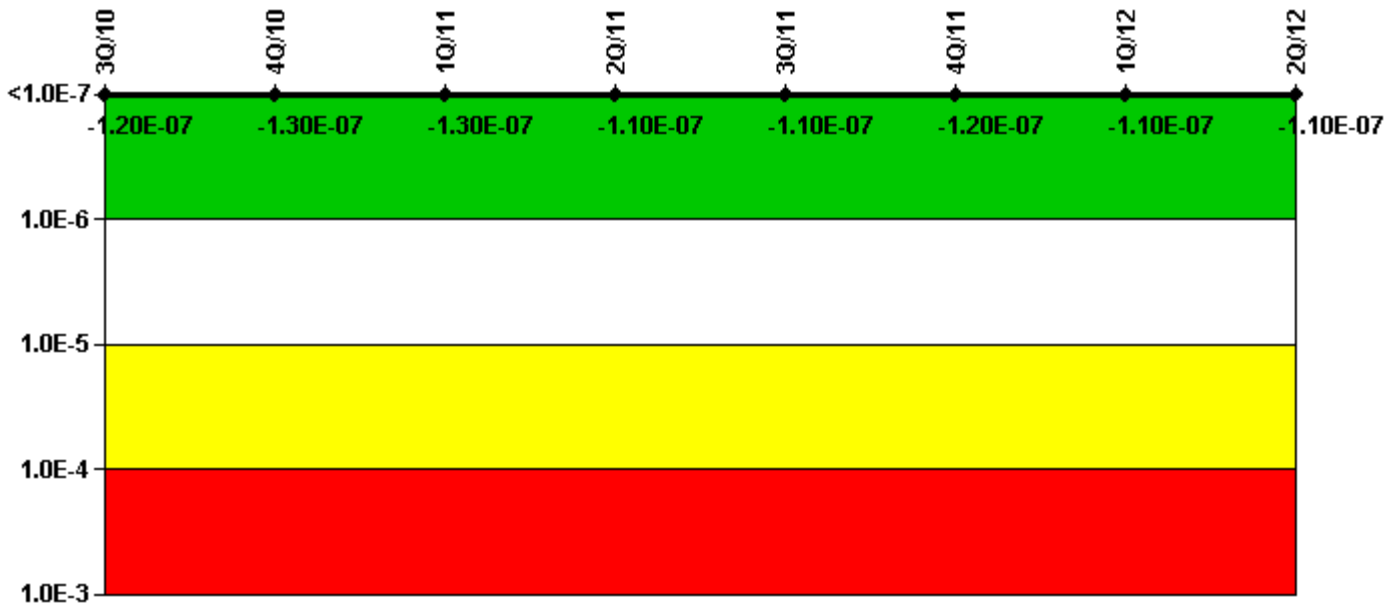
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI ( $\Delta$ CDF)	9.15E-08	9.47E-08	9.64E-08	8.26E-08	9.13E-08	9.16E-08	5.34E-08	2.79E-08
URI ( $\Delta$ CDF)	-1.15E-07	-1.20E-07	-1.21E-07	-1.20E-07	6.98E-09	1.68E-08	1.64E-08	2.48E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-08	-2.50E-08	-2.50E-08	-3.80E-08	9.80E-08	1.10E-07	7.00E-08	5.30E-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

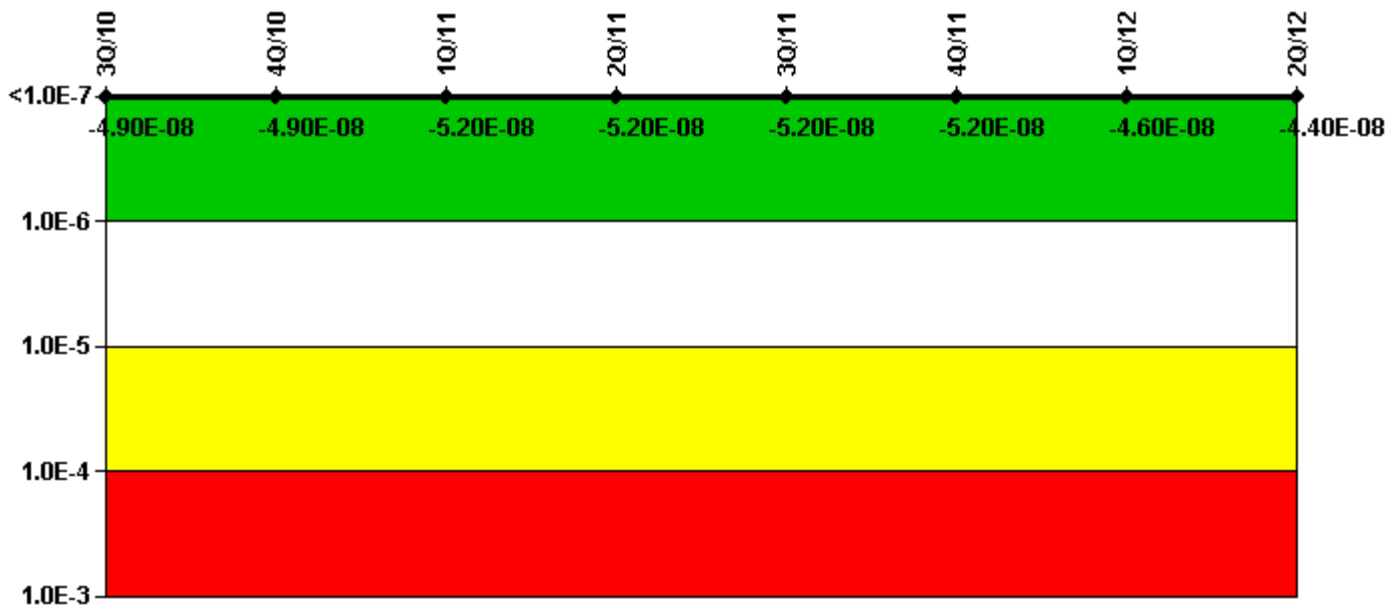
## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI ( $\Delta$ CDF)	-3.38E-08	-3.38E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.56E-08	-3.36E-08	-3.36E-08
URI ( $\Delta$ CDF)	-8.87E-08	-9.24E-08	-9.24E-08	-8.05E-08	-8.05E-08	-8.27E-08	-7.94E-08	-8.11E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-1.30E-07	-1.30E-07	-1.10E-07	-1.10E-07	-1.20E-07	-1.10E-07	-1.10E-07

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

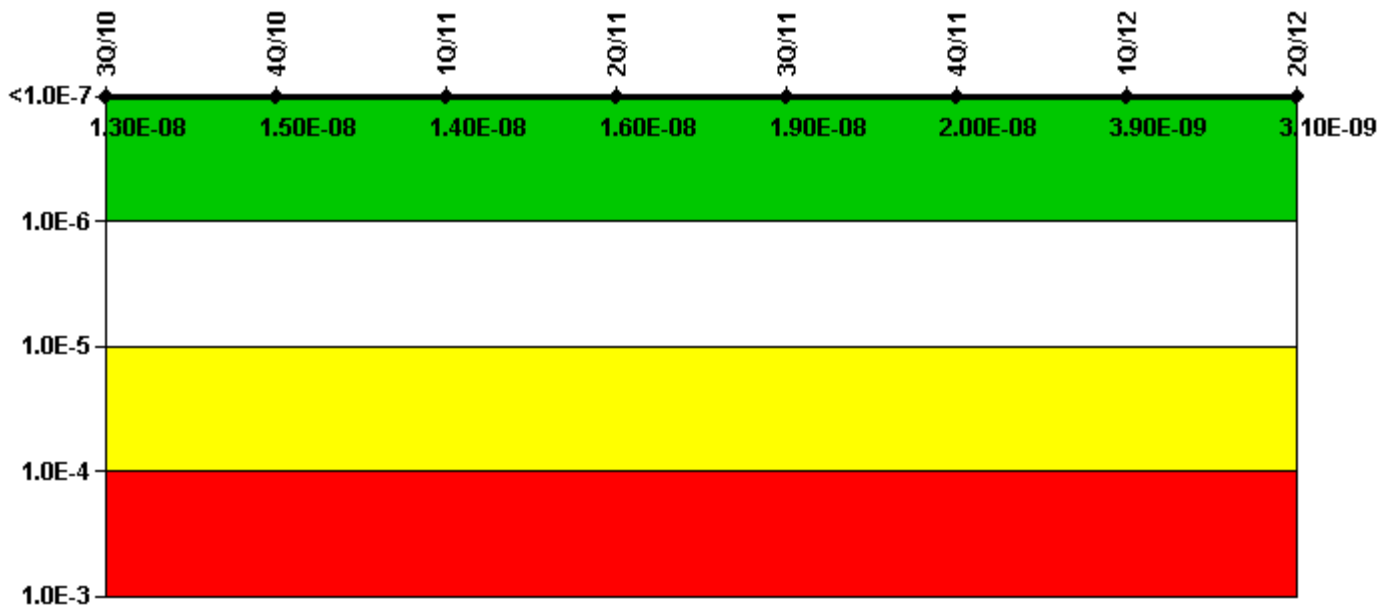
## Notes

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

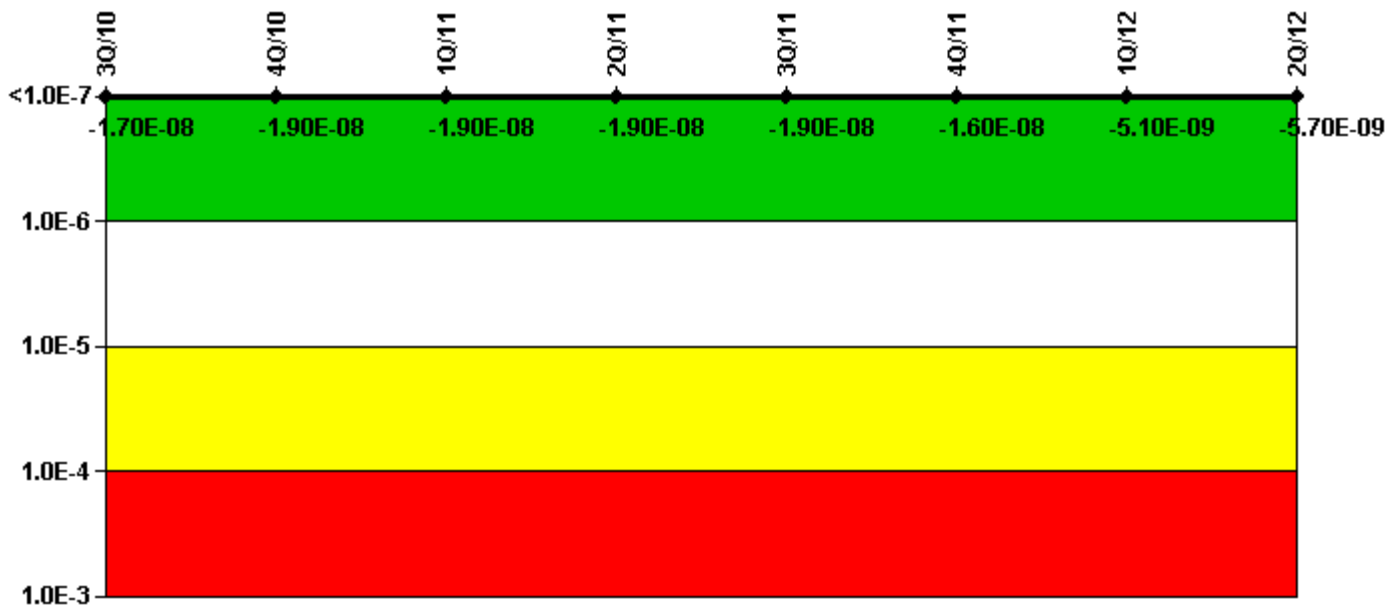
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI ( $\Delta$ CDF)	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-3.26E-09	-3.26E-09
URI ( $\Delta$ CDF)	2.27E-08	2.47E-08	2.41E-08	2.63E-08	2.90E-08	3.02E-08	7.20E-09	6.31E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.30E-08	1.50E-08	1.40E-08	1.60E-08	1.90E-08	2.00E-08	3.90E-09	3.10E-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

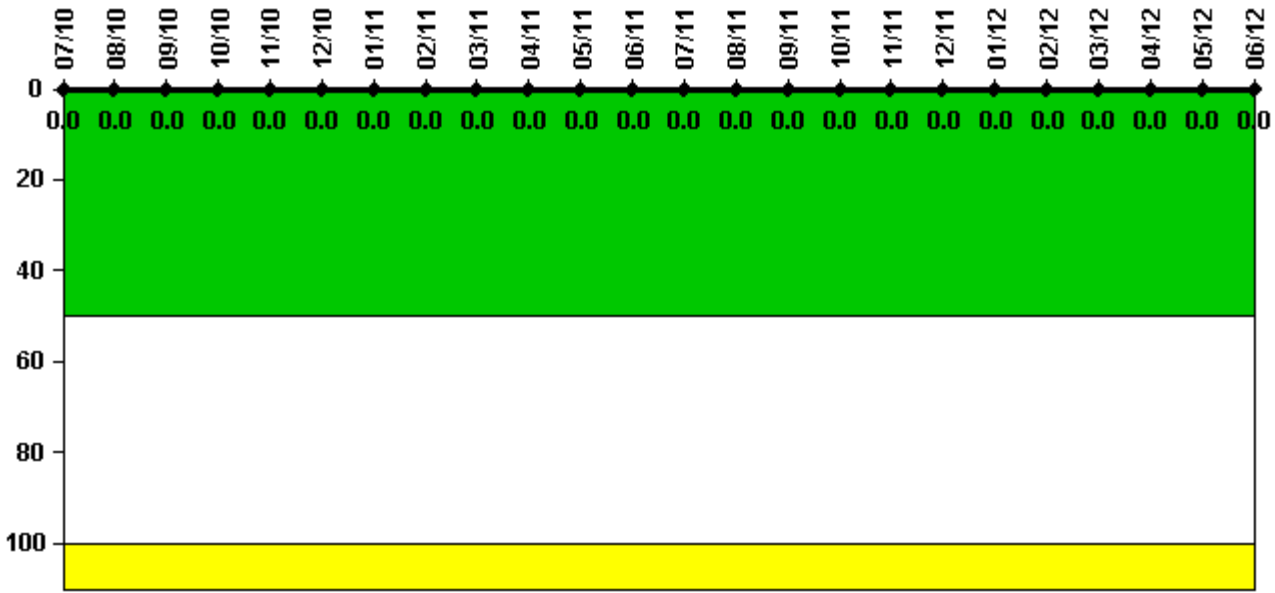
### Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI ( $\Delta$ CDF)	-5.22E-09	-7.59E-09	-7.45E-09	-7.34E-09	-7.27E-09	-4.88E-09	-2.18E-09	-2.76E-09
URI ( $\Delta$ CDF)	-1.17E-08	-1.16E-08	-1.13E-08	-1.14E-08	-1.14E-08	-1.14E-08	-2.93E-09	-2.92E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.60E-08	-5.10E-09	-5.70E-09

Licensee Comments:

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

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

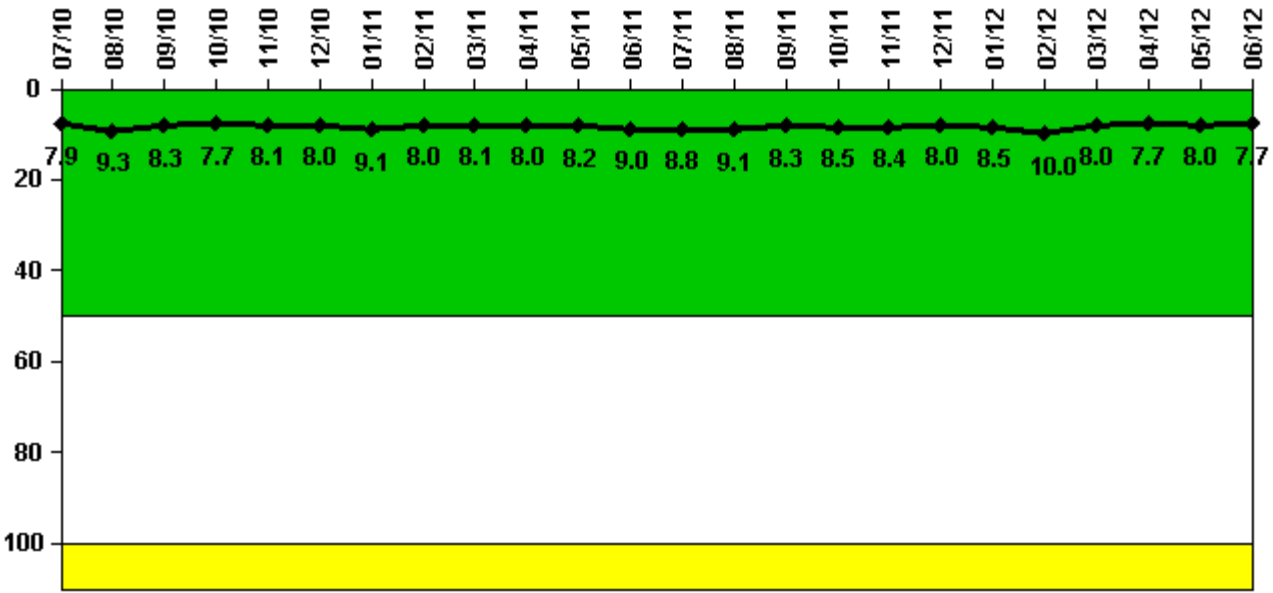
Reactor Coolant System Activity	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum activity	0.000052	0.000046	0.000051	0.000058	0.000046	0.000041	0.000042	0.000065	0.000043	0.000044	0.000042	0.000043
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

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



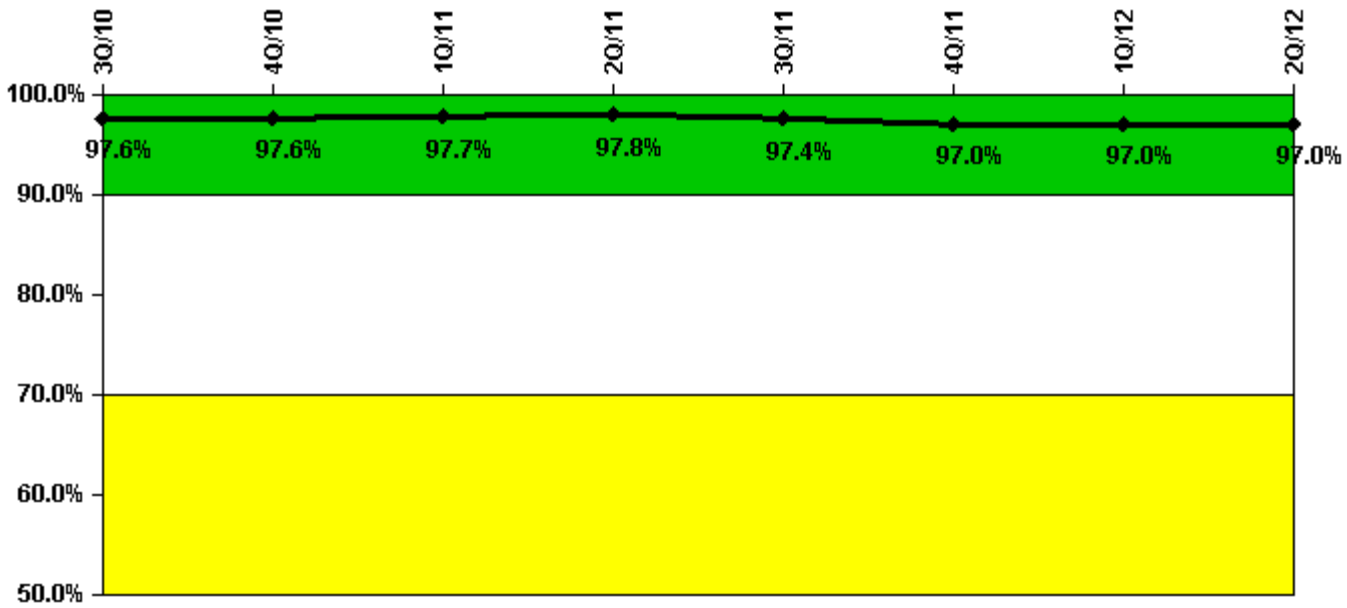
Thresholds: White > 50.0 Yellow > 100.0

### Notes

<b>Reactor Coolant System Leakage</b>	<b>7/10</b>	<b>8/10</b>	<b>9/10</b>	<b>10/10</b>	<b>11/10</b>	<b>12/10</b>	<b>1/11</b>	<b>2/11</b>	<b>3/11</b>	<b>4/11</b>	<b>5/11</b>	<b>6/11</b>
Maximum leakage	1.980	2.320	2.070	1.930	2.020	2.000	2.282	2.000	2.020	1.990	2.050	2.252
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	7.9	9.3	8.3	7.7	8.1	8.0	9.1	8.0	8.1	8.0	8.2	9.0
<b>Reactor Coolant System Leakage</b>	<b>7/11</b>	<b>8/11</b>	<b>9/11</b>	<b>10/11</b>	<b>11/11</b>	<b>12/11</b>	<b>1/12</b>	<b>2/12</b>	<b>3/12</b>	<b>4/12</b>	<b>5/12</b>	<b>6/12</b>
Maximum leakage	2.210	2.270	2.070	2.120	2.102	2.000	2.120	2.500	1.990	1.920	2.000	1.920
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	8.8	9.1	8.3	8.5	8.4	8.0	8.5	10.0	8.0	7.7	8.0	7.7

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

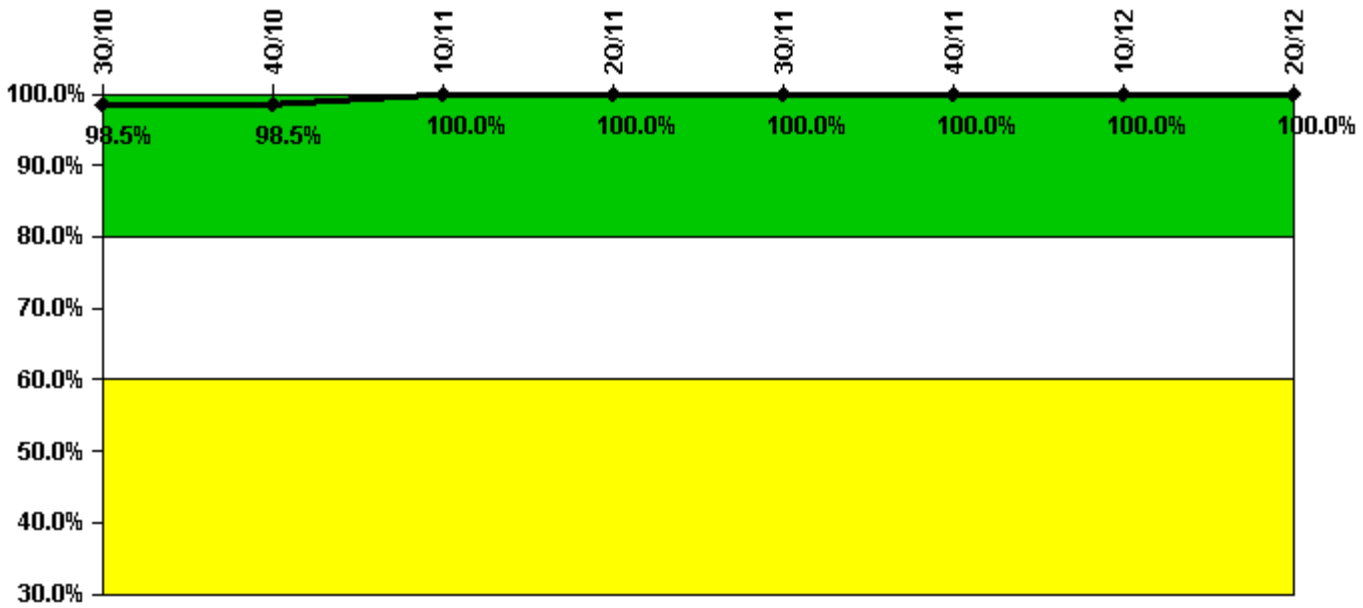
### Notes

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

Licensee Comments:

3Q/10: DEP data for September 2010 was changed from 39 to 25 for both total and successful opportunities. No change in color as a result of the correction.

## ERO Drill Participation



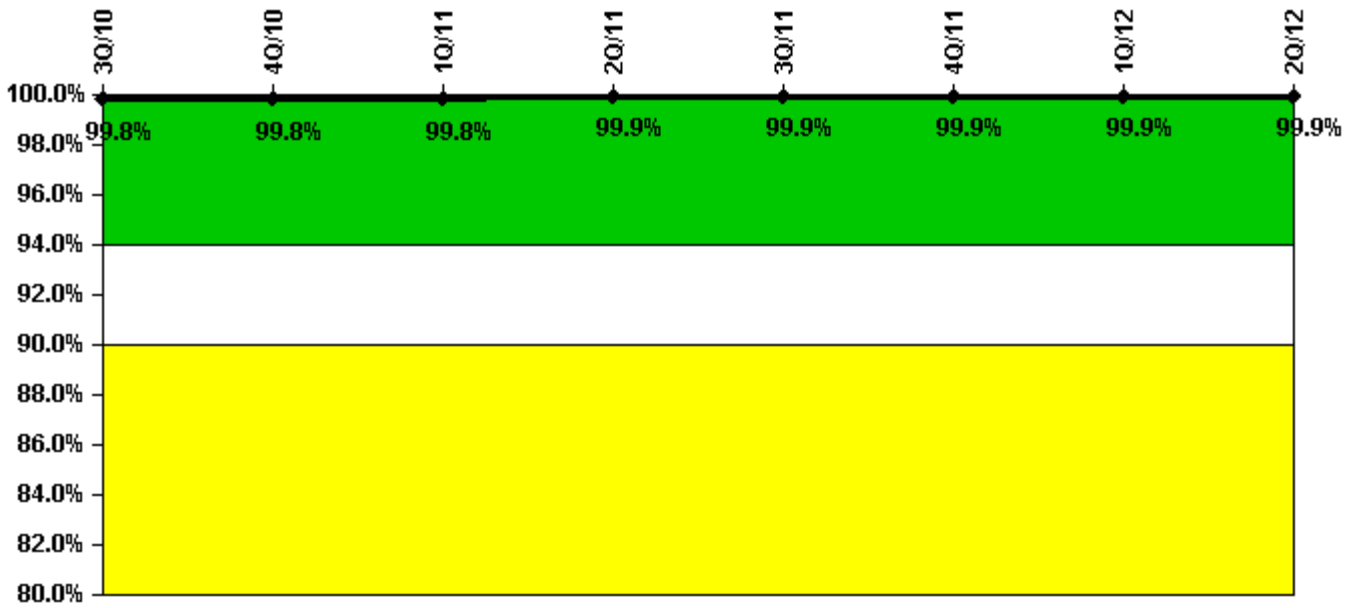
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

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

Licensee Comments: none

# Alert & Notification System



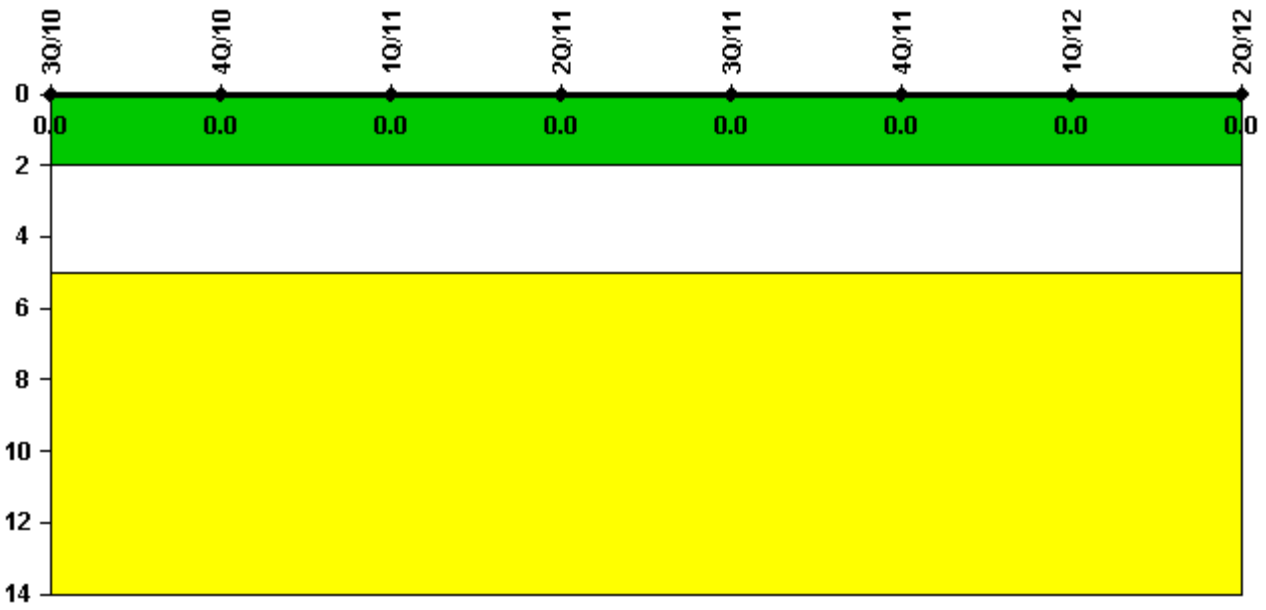
**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

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

Licensee Comments: none

# Occupational Exposure Control Effectiveness



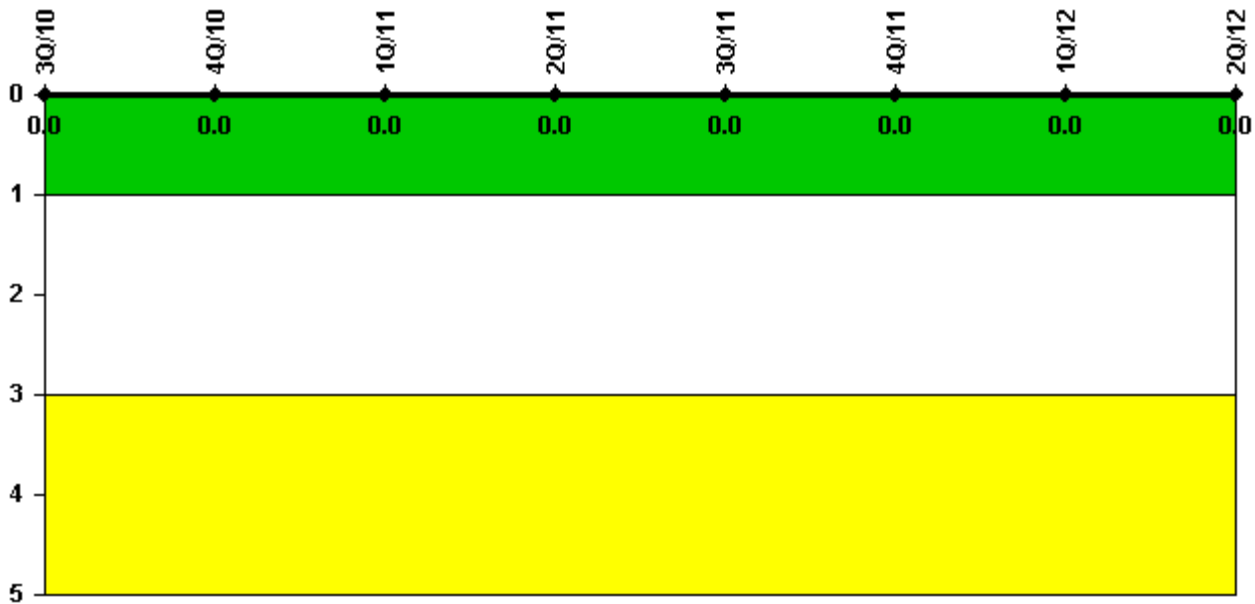
Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/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
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/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

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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.

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