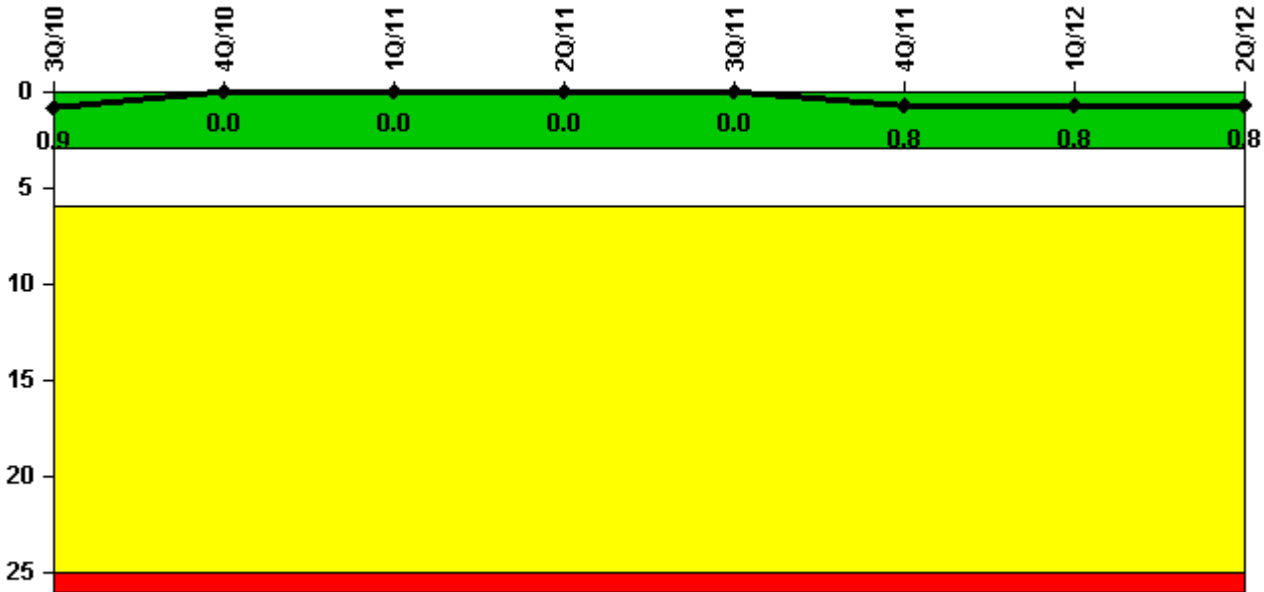


# Clinton

## 2Q/2012 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



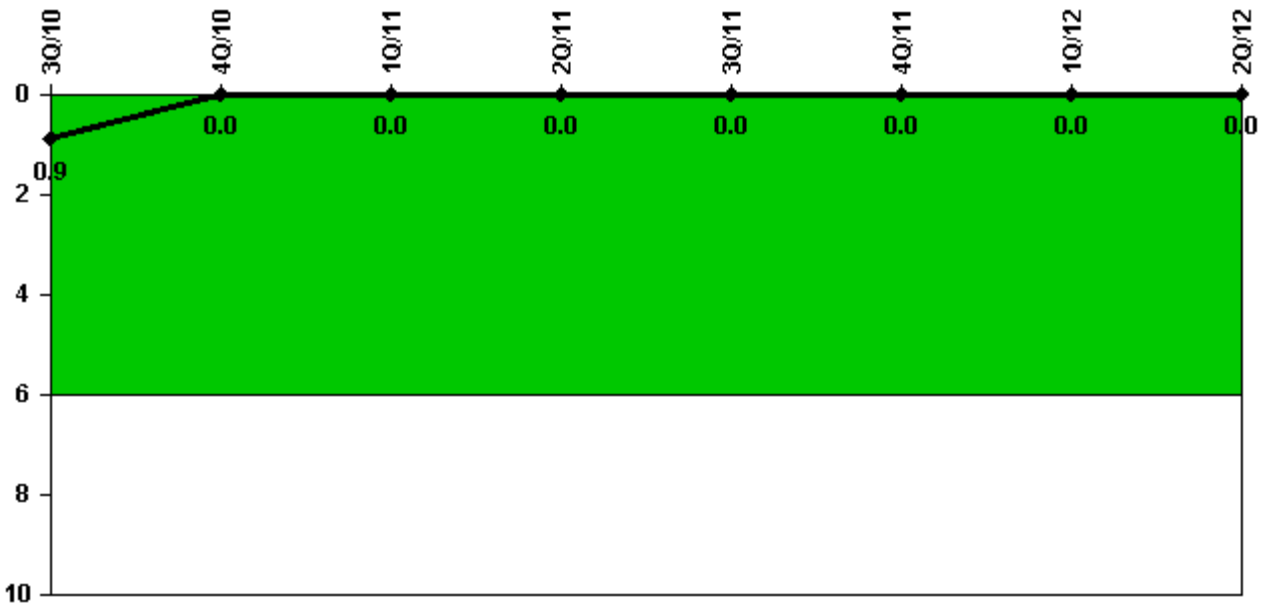
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1717.4	2183.0	2184.0
Indicator value	0.9	0	0	0	0	0.8	0.8	0.8

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



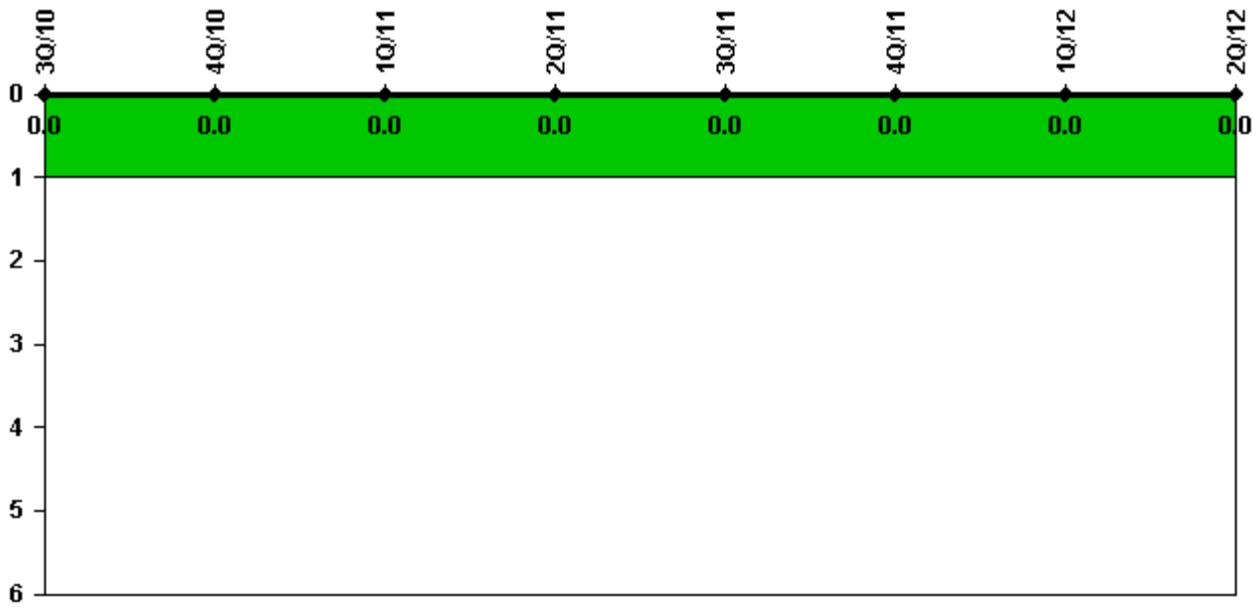
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1717.4	2183.0	2184.0
Indicator value	0.9	0	0	0	0	0	0	0

Licensee Comments: none

## Unplanned Scrams with Complications



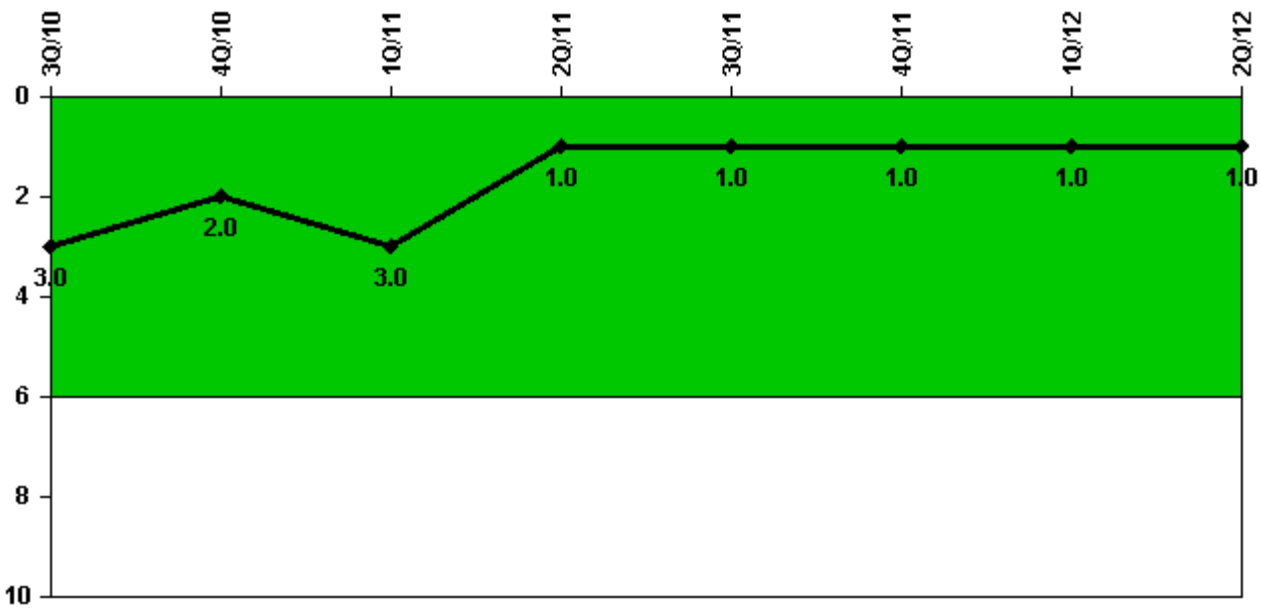
Thresholds: White > 1.0

### 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	1	0	0	0	1	0
Indicator value	3	2	3	1	1	1	1	1

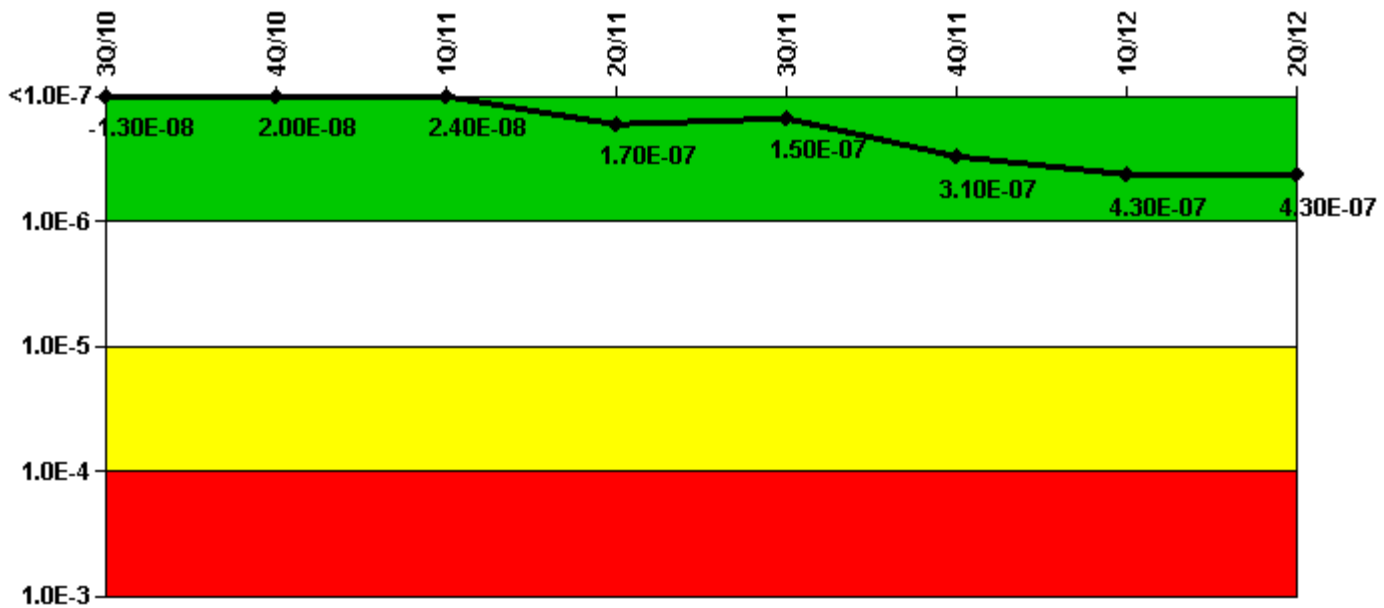
Licensee Comments:

1Q/12: Safety System Functional Failure reported to NRC 2/6/2012 under LER 2011-008-00

1Q/11: Safety System Functional Failure reported to NRC 1/26/2011 under LER 2010-001-01

4Q/10: 2Q2010 data revised to add Safety System Functional Failure reported to NRC under LER 2008-003-00 on 5/17/2010.

## 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)	$-2.10E-09$	$3.17E-08$	$3.56E-08$	$3.49E-08$	$1.82E-08$	$-6.66E-09$	$-5.52E-09$	$-6.09E-09$
URI ( $\Delta$ CDF)	$-1.13E-08$	$-1.13E-08$	$-1.13E-08$	$1.34E-07$	$1.34E-07$	$3.13E-07$	$4.36E-07$	$4.38E-07$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$-1.30E-08$	$2.00E-08$	$2.40E-08$	$1.70E-07$	$1.50E-07$	$3.10E-07$	$4.30E-07$	$4.30E-07$

Licensee Comments:

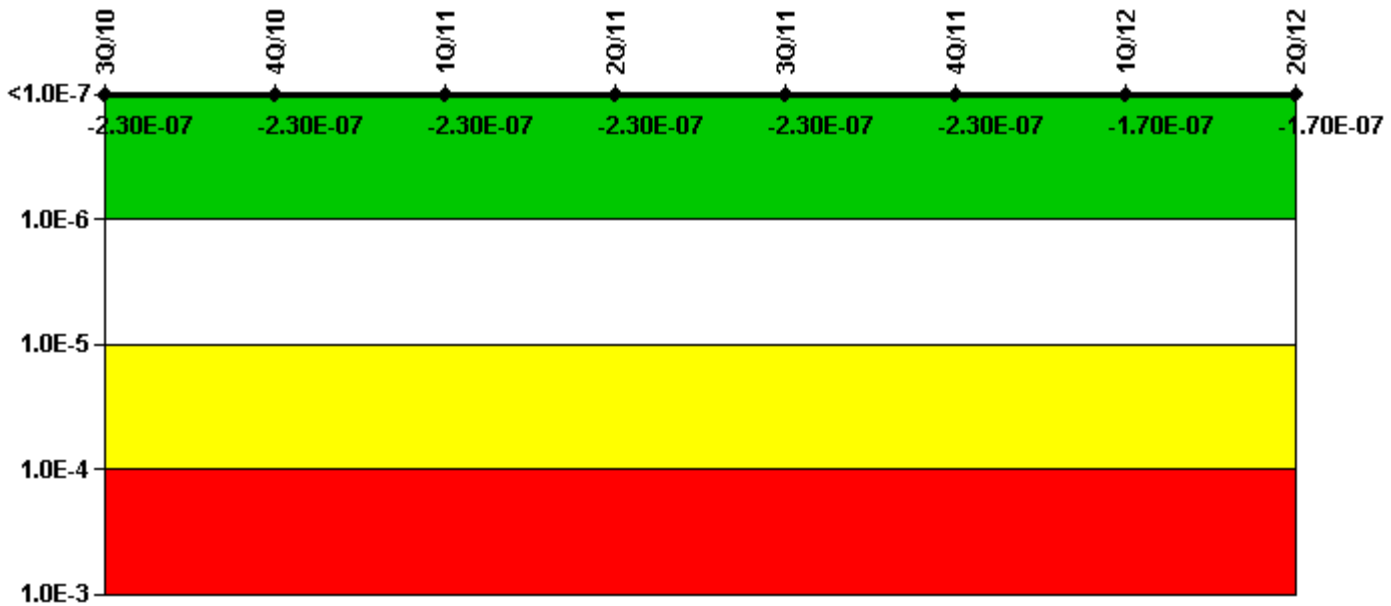
2Q/12: Changed PRA Parameter(s).

1Q/12: Changed PRA Parameter(s). Clinton first quarter 2012 MSPI values changed as a result of PRA model revision CL011A and associated revision of the Clinton Site Basis Document.

4Q/11: EDG run hours changed with implementation of FAQ 480. Effective First Quarter 2012.

3Q/10: Effective 3rd quarter 2010: The MSPI Basis document was updated to use Maintenance Unavailability terms for deriving Unavailability FV and UA values.

# 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)	-4.42E-08	-4.42E-08	-4.42E-08	-4.42E-08	-4.42E-08	-4.42E-08	-3.91E-08	-3.91E-08
URI ( $\Delta$ CDF)	-1.81E-07	-1.81E-07	-1.81E-07	-1.81E-07	-1.81E-07	-1.81E-07	-1.33E-07	-1.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-1.70E-07	-1.70E-07

Licensee Comments:

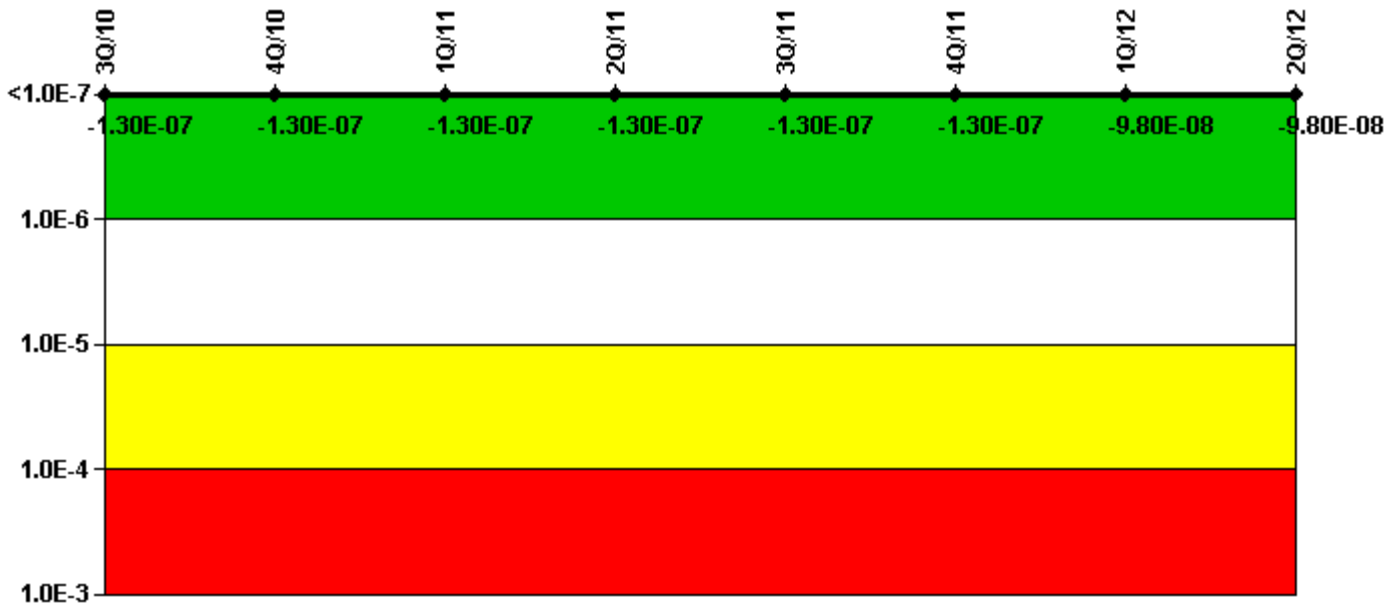
2Q/12: Changed PRA Parameter(s).

1Q/12: Changed PRA Parameter(s). Clinton first quarter 2012 MSPI values changed as a result of PRA model revision CL011A and associated revision of the Clinton Site Basis Document.

4Q/11: EDG run hours changed with implementation of FAQ 480. Effective First Quarter 2012.

3Q/10: Effective 3rd quarter 2010: The MSPI Basis document was updated to use Maintenance Unavailability terms for deriving Unavailability FV and UA values.

# 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)	-4.77E-08	-4.77E-08	-4.77E-08	-4.77E-08	-4.77E-08	-4.77E-08	-3.02E-08	-3.02E-08
URI ( $\Delta$ CDF)	-8.43E-08	-8.43E-08	-8.43E-08	-8.43E-08	-8.43E-08	-8.43E-08	-6.78E-08	-6.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-9.80E-08	-9.80E-08

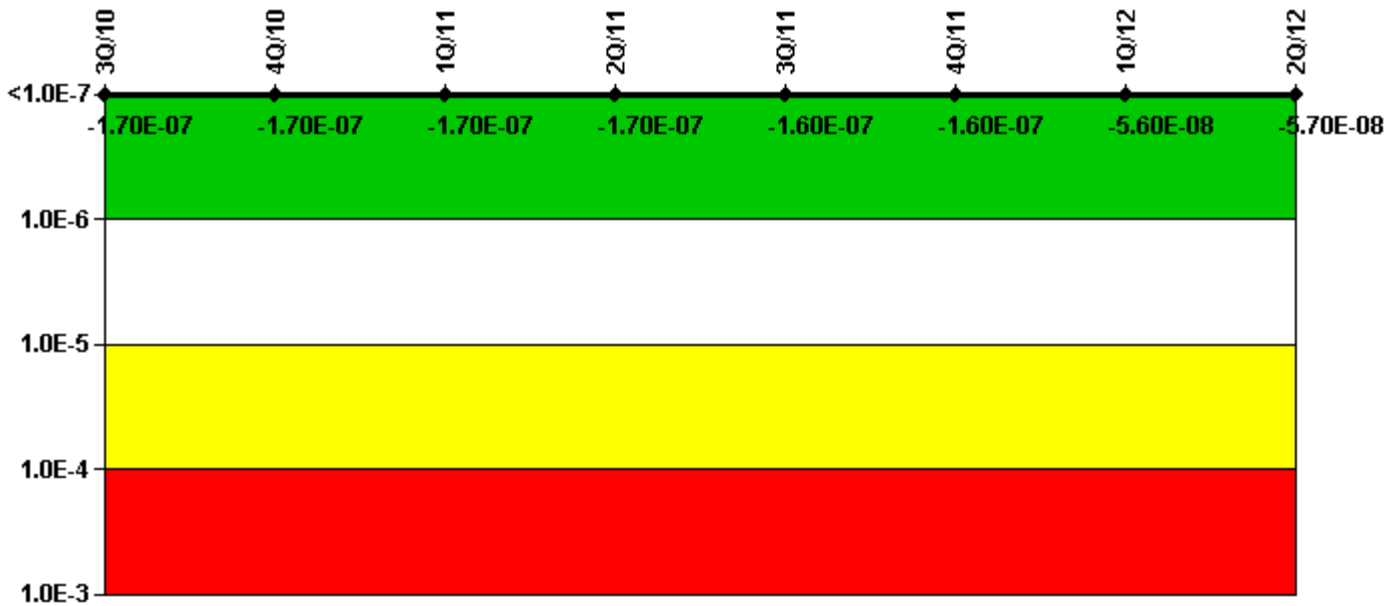
Licensee Comments:

2Q/12: Changed PRA Parameter(s).

1Q/12: Changed PRA Parameter(s). Clinton first quarter 2012 MSPI values changed as a result of PRA model revision CL011A and associated revision of the Clinton Site Basis Document.

3Q/10: Effective 3rd quarter 2010: The MSPI Basis document was updated to use Maintenance Unavailability terms for deriving Unavailability FV and UA values.

# 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)	-5.83E-08	-5.83E-08	-5.83E-08	-5.83E-08	-5.19E-08	-5.18E-08	-1.54E-08	-1.65E-08
URI ( $\Delta$ CDF)	-1.09E-07	-1.09E-07	-1.09E-07	-1.09E-07	-1.09E-07	-1.09E-07	-4.08E-08	-4.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.60E-07	-1.60E-07	-5.60E-08	-5.70E-08

Licensee Comments:

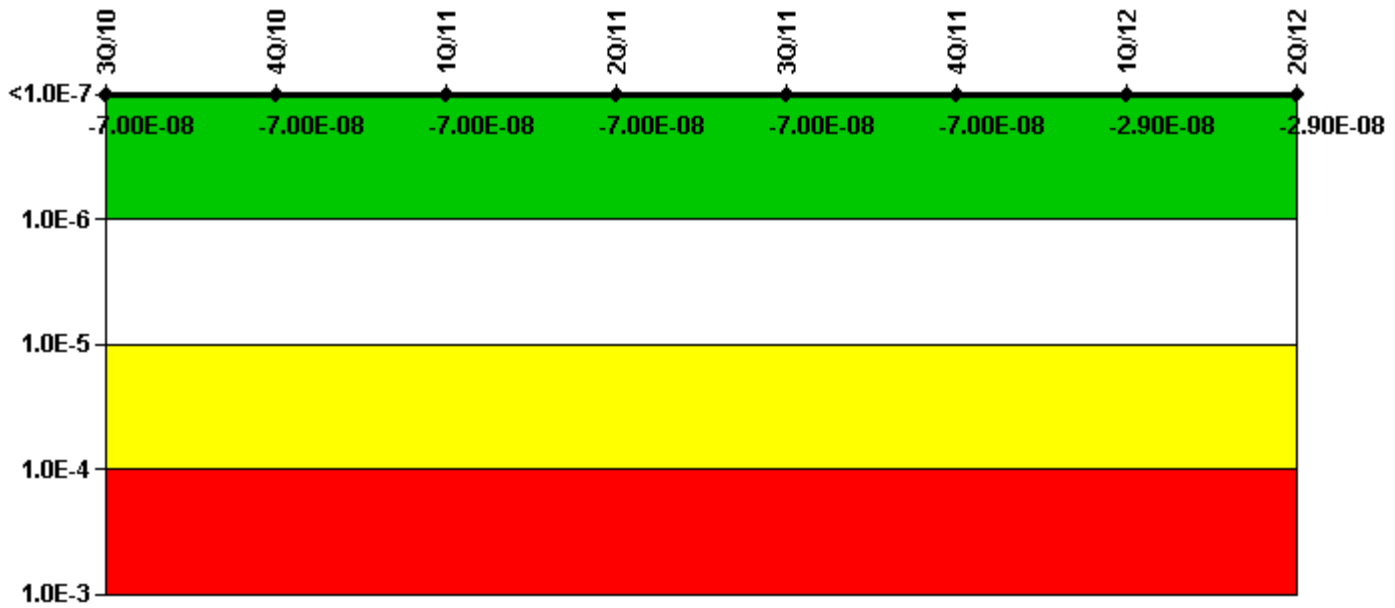
2Q/12: Changed PRA Parameter(s).

1Q/12: Changed PRA Parameter(s). Clinton first quarter 2012 MSPI values changed as a result of PRA model revision CL011A and associated revision of the Clinton Site Basis Document.

3Q/10: Effective 3rd quarter 2010: The MSPI Basis document was updated to use Maintenance Unavailability terms for deriving Unavailability FV and UA values.



## 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)	1.59E-09	1.59E-09	1.55E-09	1.55E-09	1.55E-09	1.58E-09	7.38E-10	7.38E-10
URI ( $\Delta$ CDF)	-7.14E-08	-7.14E-08	-7.14E-08	-7.14E-08	-7.14E-08	-7.14E-08	-2.96E-08	-2.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.00E-08	-7.00E-08	-7.00E-08	-7.00E-08	-7.00E-08	-7.00E-08	-2.90E-08	-2.90E-08

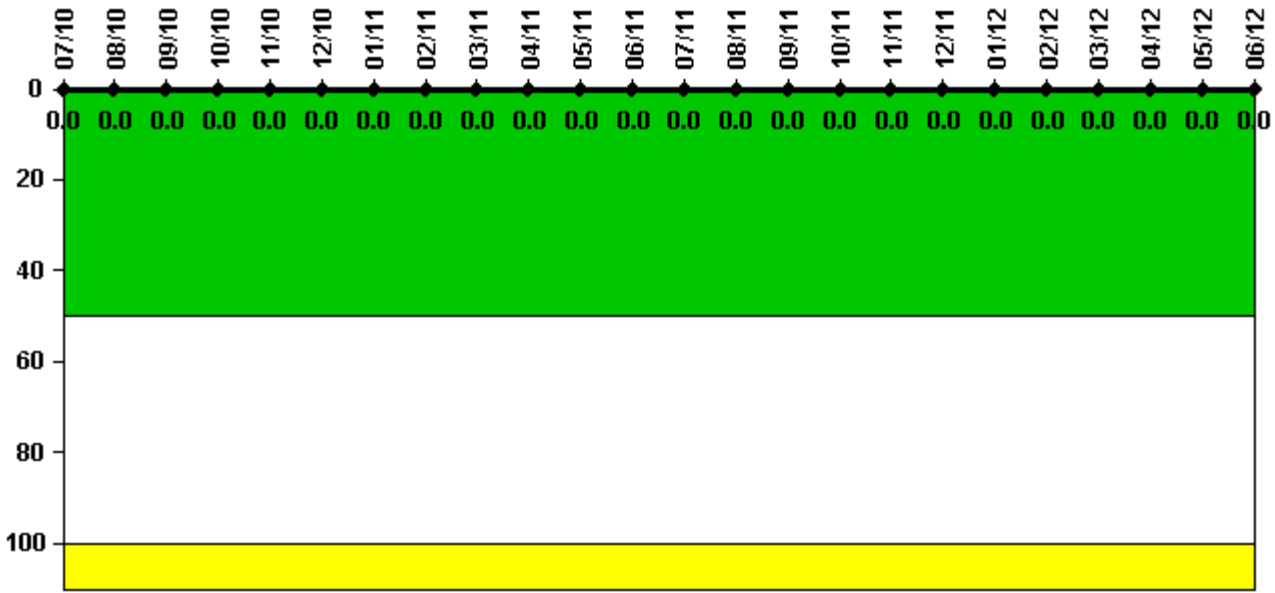
Licensee Comments:

2Q/12: Changed PRA Parameter(s).

1Q/12: Changed PRA Parameter(s). Clinton first quarter 2012 MSPI values changed as a result of PRA model revision CL011A and associated revision of the Clinton Site Basis Document.

3Q/10: Effective 3rd quarter 2010: The MSPI Basis document was updated to use Maintenance Unavailability terms for deriving Unavailability FV and UA values.

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

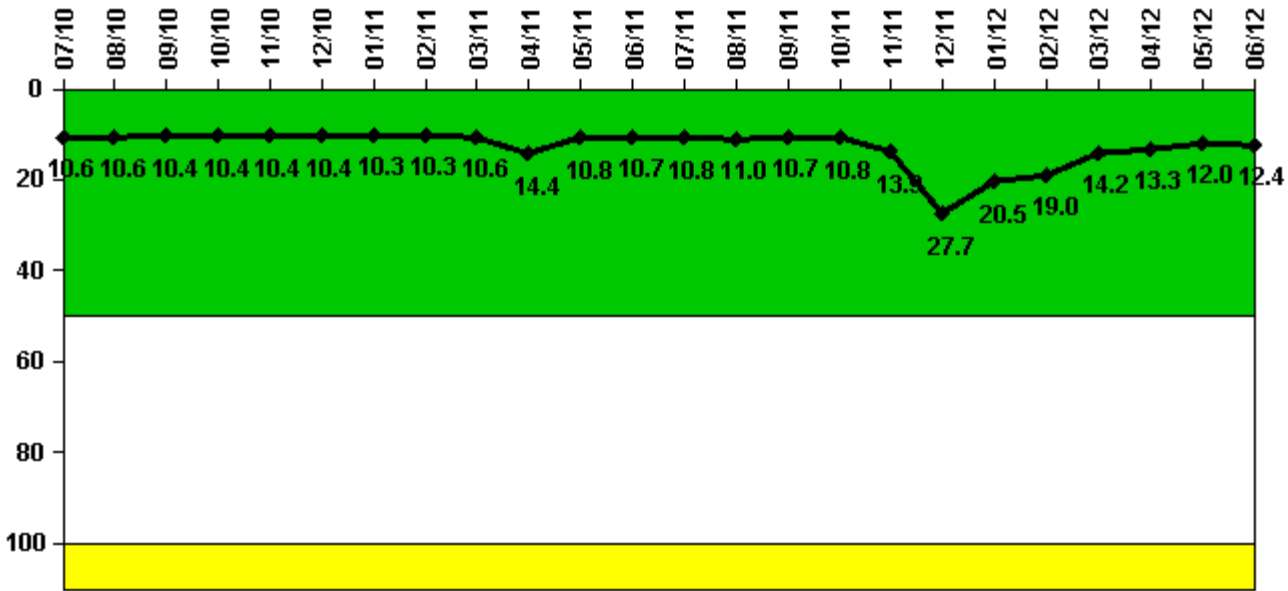
Reactor Coolant System Activity	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum activity	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000004	0.000002	0.000003	0.000003
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator 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	0.000003	0.000002	0.000003	0.000003	0.000003	0.000002	0.000001	0.000001	0.000001	0.000002	0.000001	0.000001
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

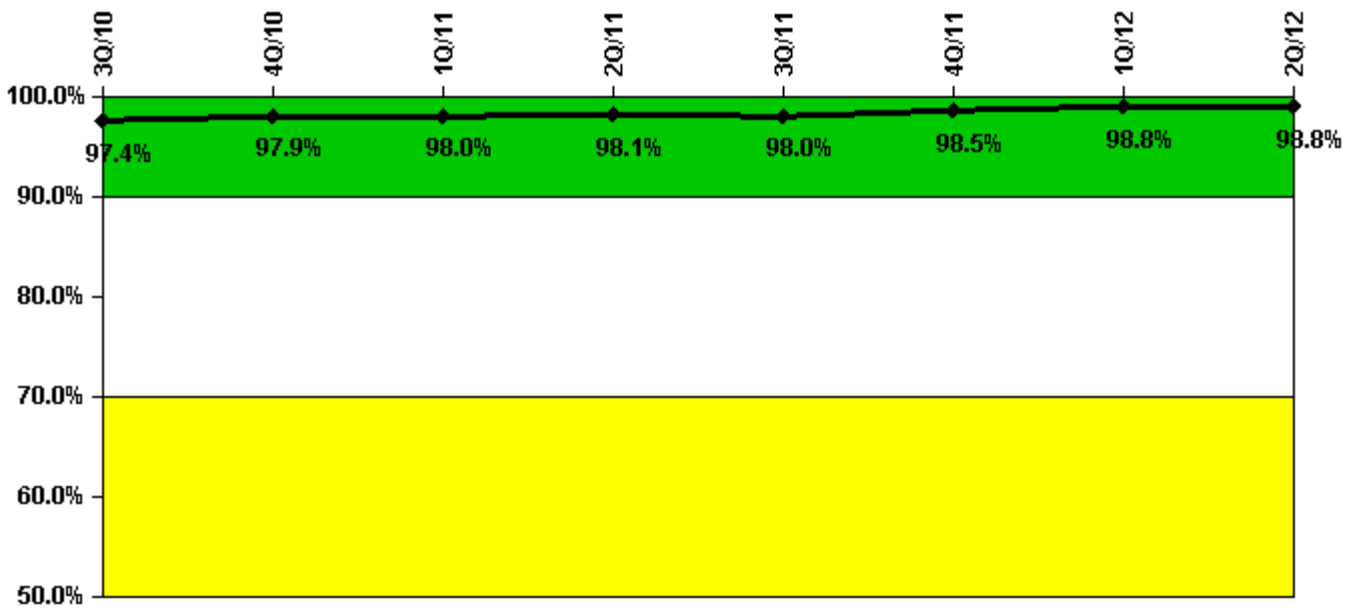
### Notes

<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	3.170	3.190	3.130	3.130	3.120	3.120	3.090	3.080	3.180	4.330	3.230	3.210
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	10.6	10.6	10.4	10.4	10.4	10.4	10.3	10.3	10.6	14.4	10.8	10.7
<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	3.240	3.310	3.220	3.250	4.180	8.310	6.140	5.700	4.250	4.000	3.610	3.730
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	10.8	11.0	10.7	10.8	13.9	27.7	20.5	19.0	14.2	13.3	12.0	12.4

Licensee Comments:

12/11: Indicated leak rate is higher than actual due to sump discharge check valve leakage. No current adverse trend in operational leakage.

## Drill/Exercise Performance



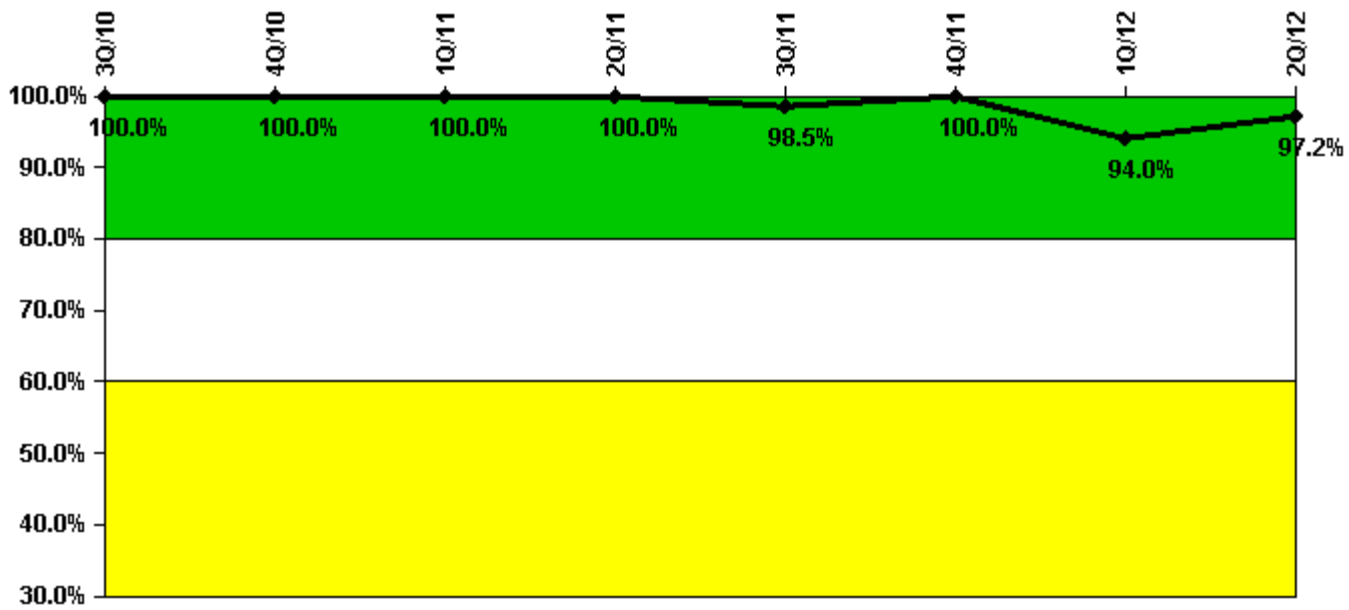
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	55.0	46.0	30.0	17.0	65.0	43.0	33.0	35.0
Total opportunities	55.0	46.0	30.0	18.0	67.0	44.0	33.0	35.0
Indicator value	97.4%	97.9%	98.0%	98.1%	98.0%	98.5%	98.8%	98.8%

Licensee Comments: none

## ERO Drill Participation



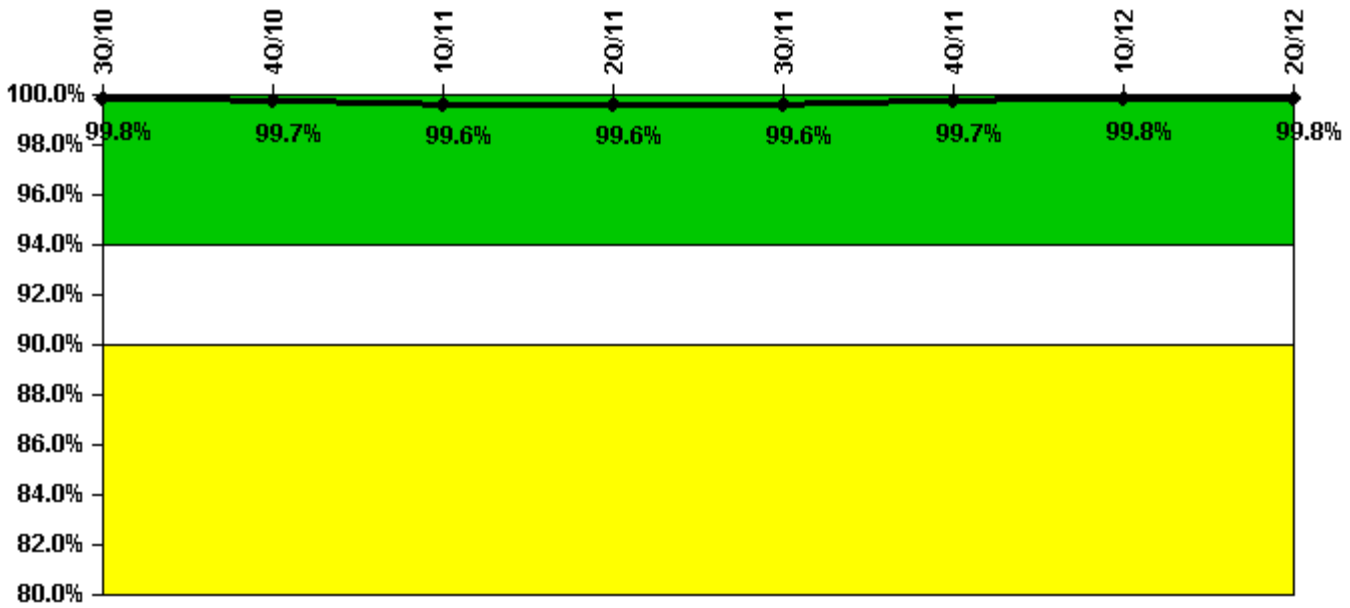
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	68.0	67.0	65.0	65.0	67.0	66.0	63.0	69.0
Total Key personnel	68.0	67.0	65.0	65.0	68.0	66.0	67.0	71.0
Indicator value	100.0%	100.0%	100.0%	100.0%	98.5%	100.0%	94.0%	97.2%

Licensee Comments: none

# Alert & Notification System



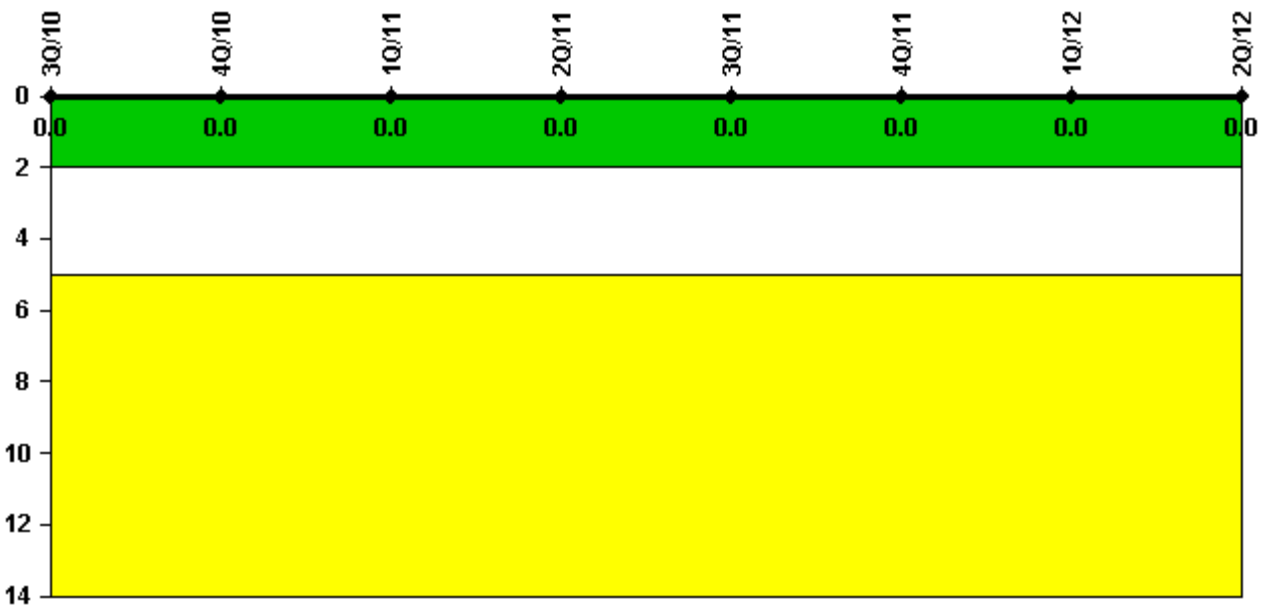
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	2591	2594	2545	2547	2556	2557	2595	2556
Total sirens-tests	2600	2600	2560	2560	2560	2560	2600	2560
Indicator value	99.8%	99.7%	99.6%	99.6%	99.6%	99.7%	99.8%	99.8%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



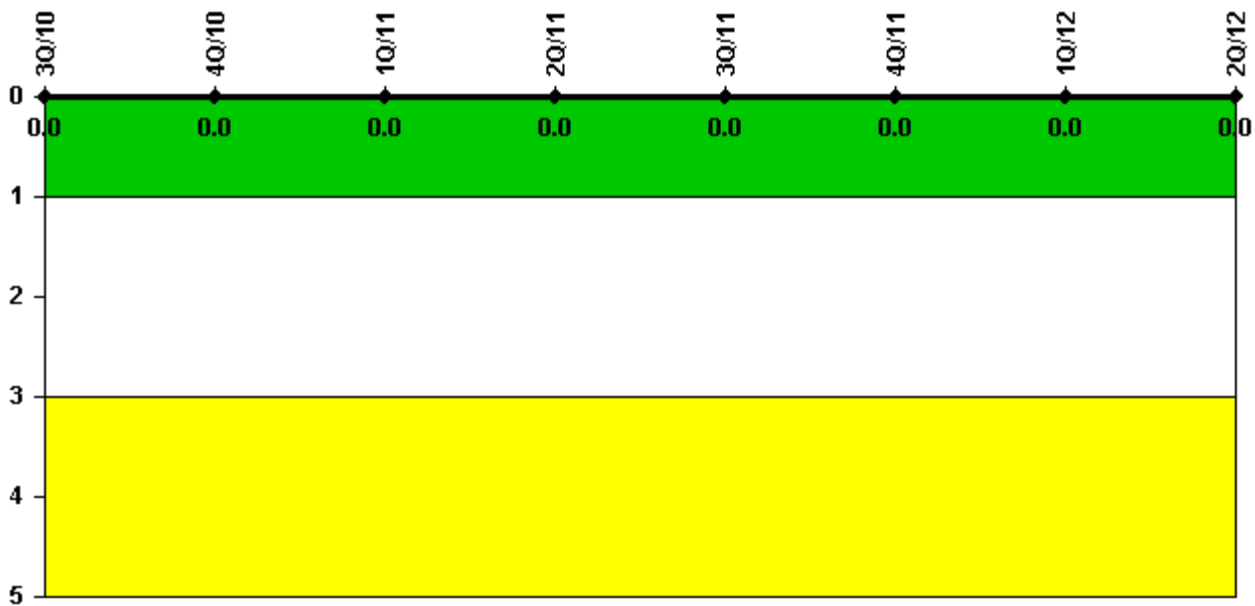
Thresholds: White > 2.0 Yellow > 5.0

### 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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