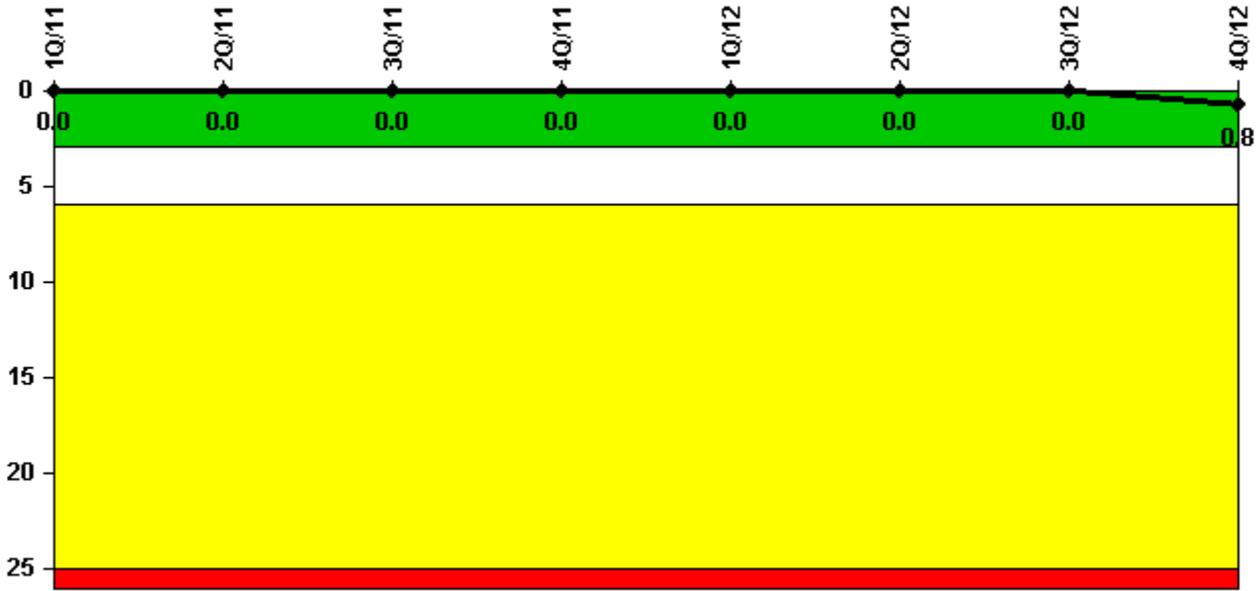


# Comanche Peak 1

## 4Q/2012 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



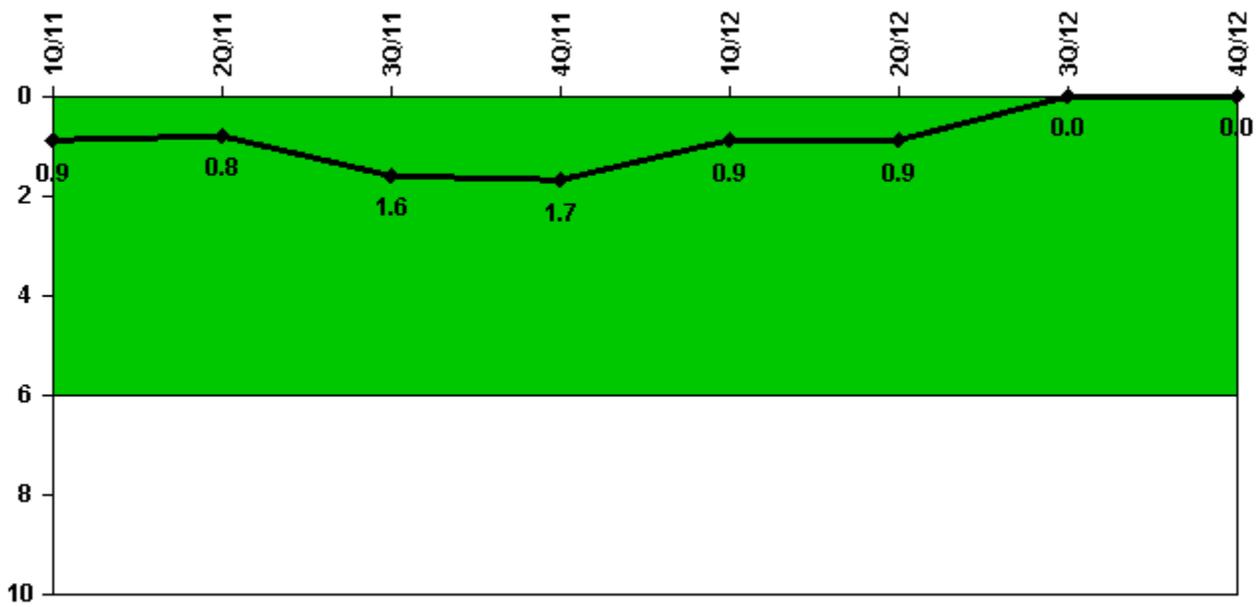
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2136.2	2184.0	2038.6	1739.0	2183.0	2184.0	2195.7	1987.5
<b>Indicator value</b>	<b>0</b>	<b>0.8</b>						

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



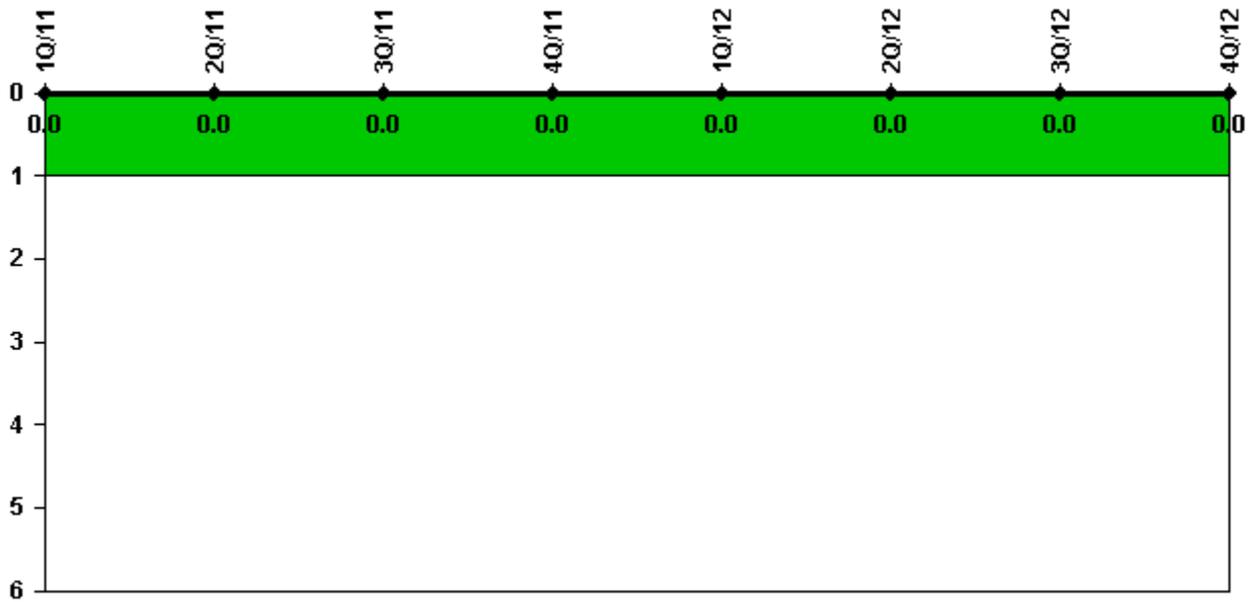
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	1.0	0	1.0	0	0	0	0	0
Critical hours	2136.2	2184.0	2038.6	1739.0	2183.0	2184.0	2195.7	1987.5
<b>Indicator value</b>	<b>0.9</b>	<b>0.8</b>	<b>1.6</b>	<b>1.7</b>	<b>0.9</b>	<b>0.9</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Unplanned Scrams with Complications



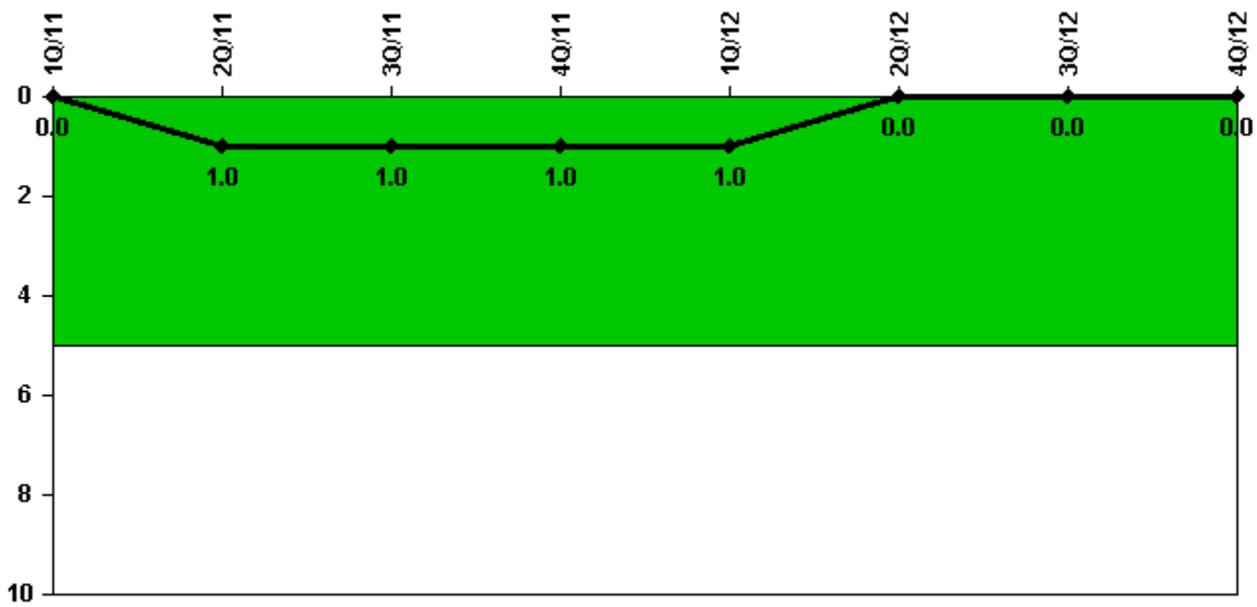
Thresholds: White > 1.0

#### Notes

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

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

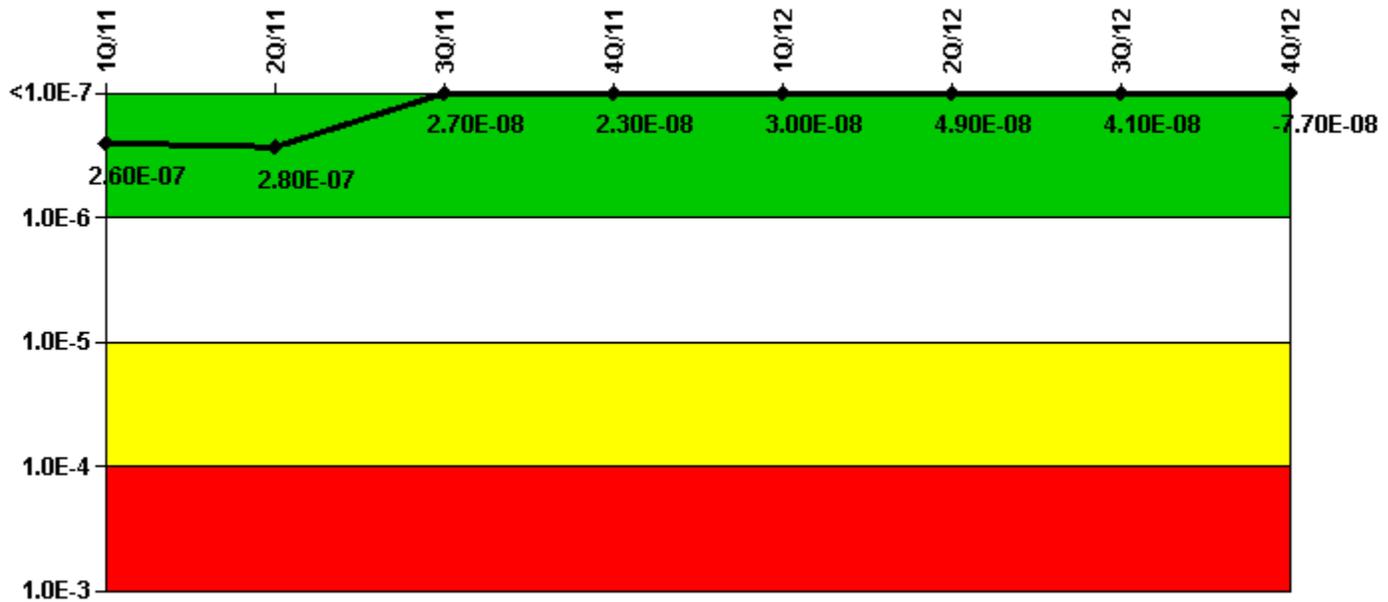
#### Notes

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

Licensee Comments:

2Q/11: LER 445/11-001-00.

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



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

#### Notes

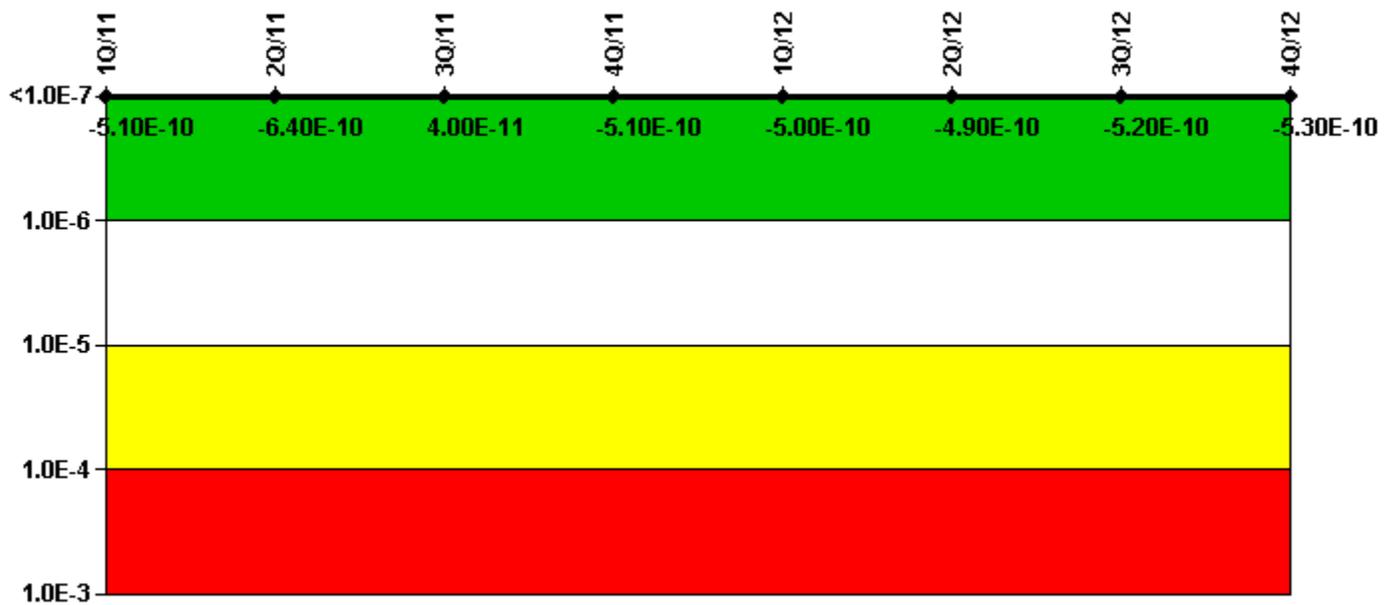
Mitigating Systems Performance Index, Emergency AC Power System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	-3.96E-08	-2.37E-08	-1.81E-08	-1.60E-08	-1.46E-08	7.60E-09	-4.40E-09	-2.85E-09
URI (ΔCDF)	3.03E-07	2.99E-07	4.53E-08	3.90E-08	4.45E-08	4.18E-08	4.55E-08	-7.38E-08
PLE	NO							
Indicator value	<b>2.60E-07</b>	<b>2.80E-07</b>	<b>2.70E-08</b>	<b>2.30E-08</b>	<b>3.00E-08</b>	<b>4.90E-08</b>	<b>4.10E-08</b>	<b>-7.70E-08</b>

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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



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

#### Notes

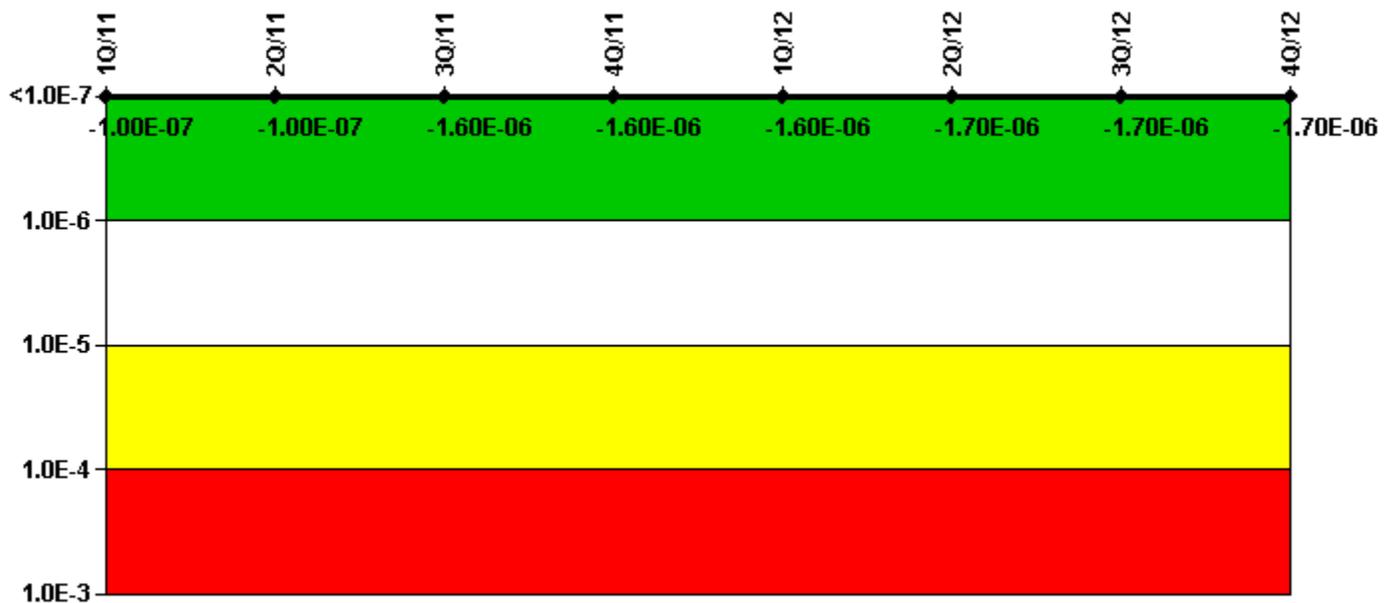
Mitigating Systems Performance Index, High Pressure Injection System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	-1.41E-08	-1.42E-08	-1.82E-10	-1.82E-10	-1.73E-10	-1.71E-10	-2.04E-10	-2.05E-10
URI ( $\Delta$ CDF)	1.36E-08	1.35E-08	2.21E-10	-3.24E-10	-3.23E-10	-3.22E-10	-3.21E-10	-3.23E-10
PLE	NO							
Indicator value	-5.10E-10	-6.40E-10	4.00E-11	-5.10E-10	-5.00E-10	-4.90E-10	-5.20E-10	-5.30E-10

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

### Mitigating Systems Performance Index, Heat Removal System



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

#### Notes

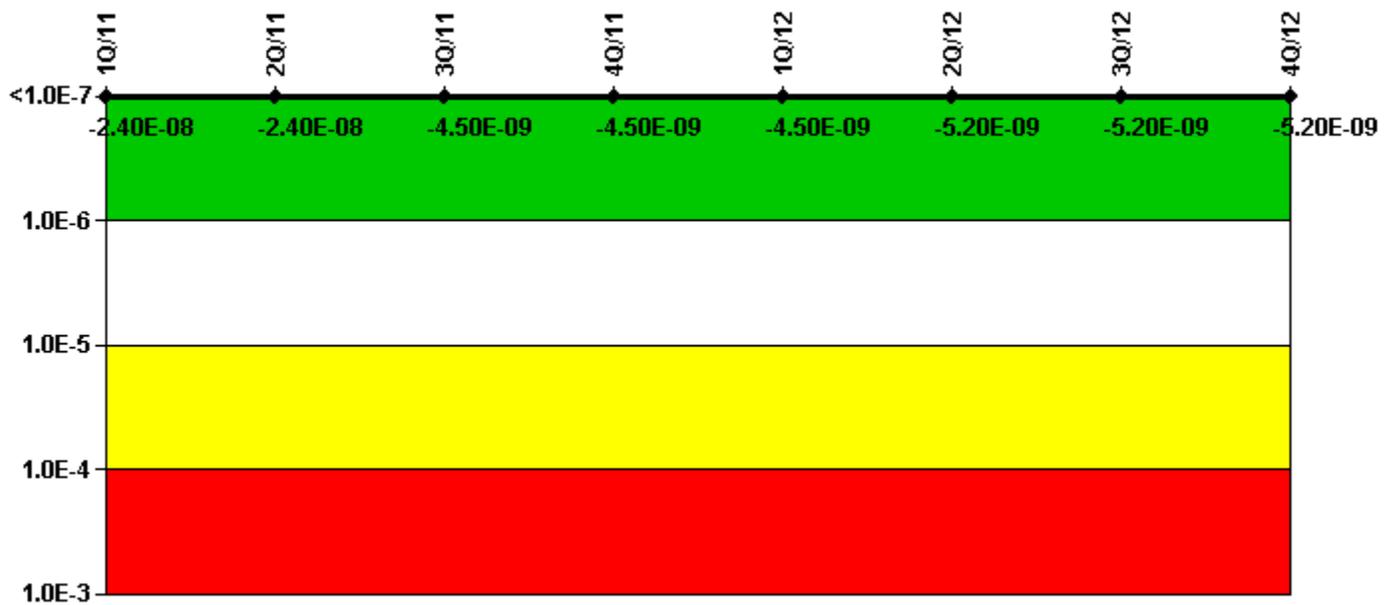
Mitigating Systems Performance Index, Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	-3.81E-08	-3.85E-08	-1.35E-06	-1.35E-06	-1.39E-06	-1.45E-06	-1.45E-06	-1.45E-06
URI ( $\Delta$ CDF)	-6.36E-08	-6.33E-08	-2.85E-07	-2.55E-07	-2.55E-07	-2.45E-07	-2.66E-07	-2.77E-07
PLE	NO							
Indicator value	-1.00E-07	-1.00E-07	-1.60E-06	-1.60E-06	-1.60E-06	-1.70E-06	-1.70E-06	-1.70E-06

#### Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

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



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

#### Notes

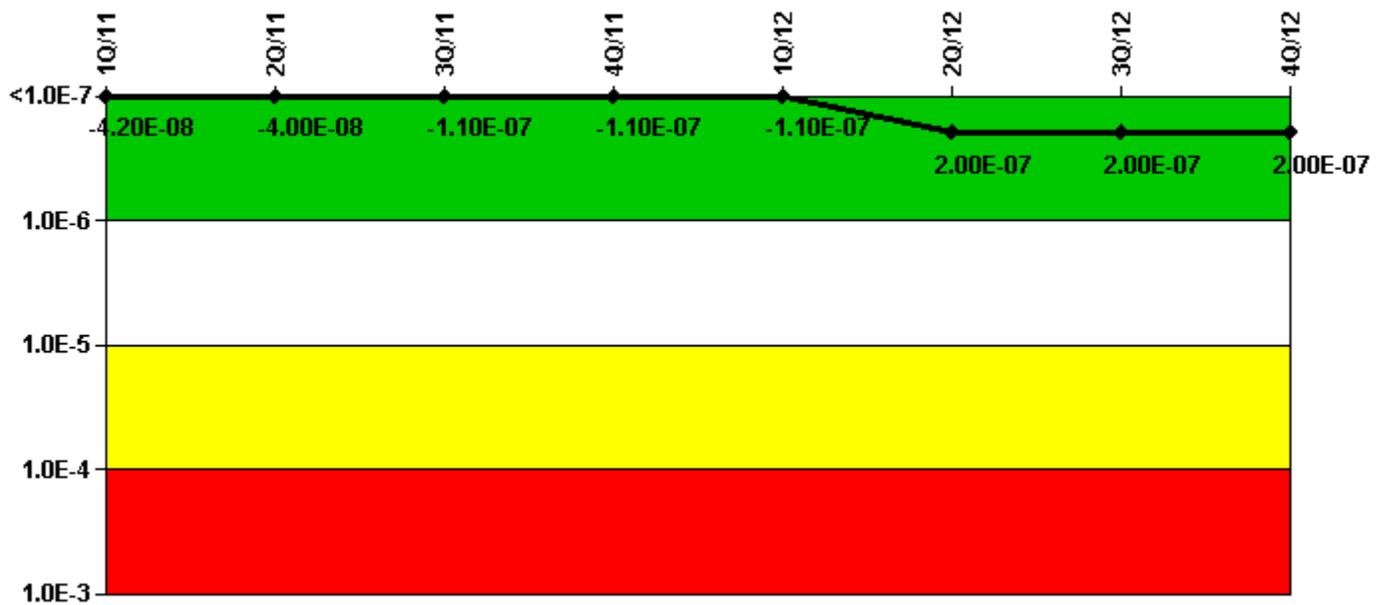
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	-1.94E-09	-1.94E-09	-7.15E-10	-7.23E-10	-7.24E-10	-1.38E-09	-1.38E-09	-1.38E-09
URI ( $\Delta$ CDF)	-2.20E-08	-2.20E-08	-3.78E-09	-3.79E-09	-3.79E-09	-3.80E-09	-3.80E-09	-3.81E-09
PLE	NO							
Indicator value	-2.40E-08	-2.40E-08	-4.50E-09	-4.50E-09	-4.50E-09	-5.20E-09	-5.20E-09	-5.20E-09

Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

### Mitigating Systems Performance Index, Cooling Water Systems



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

#### Notes

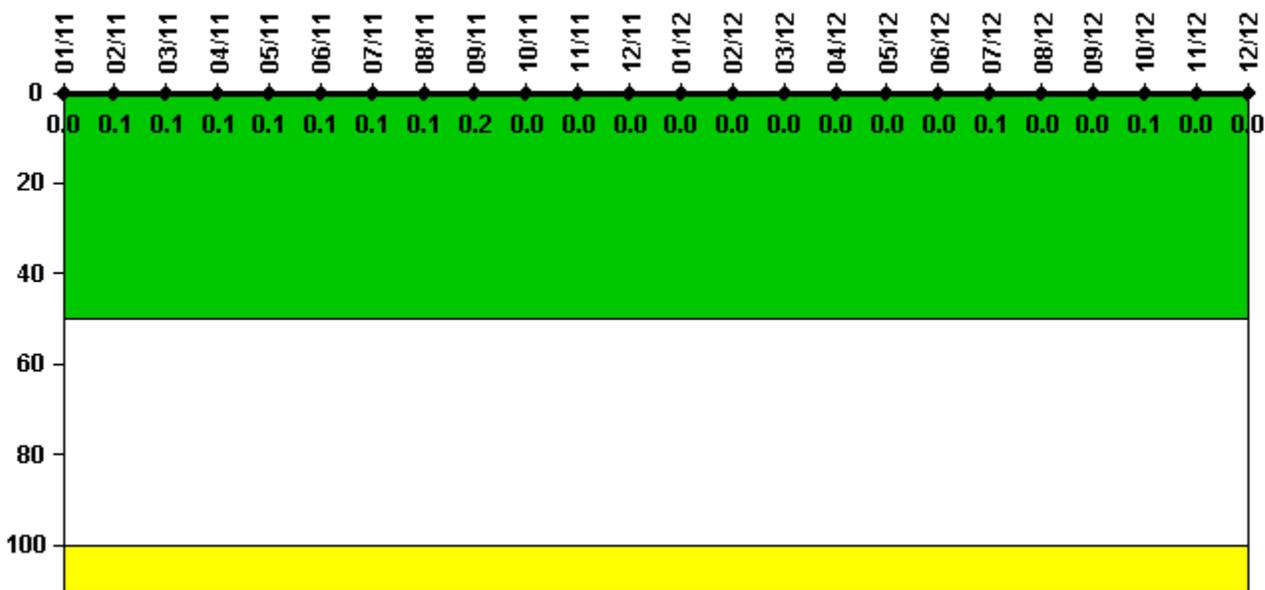
Mitigating Systems Performance Index, Cooling Water Systems	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI ( $\Delta$ CDF)	7.49E-10	4.37E-09	3.73E-09	1.21E-08	1.21E-08	2.21E-08	2.34E-08	2.36E-08
URI ( $\Delta$ CDF)	-4.28E-08	-4.40E-08	-1.15E-07	-1.18E-07	-1.19E-07	1.76E-07	1.72E-07	1.71E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-4.00E-08	-1.10E-07	-1.10E-07	-1.10E-07	2.00E-07	2.00E-07	2.00E-07

#### Licensee Comments:

3Q/11: Changed PRA Parameter(s). 3rd Qtr. 2011 MSPI Data submittal includes changes associated with CPNPP PRA model of record MSPIR4.

1Q/11: First Quarter 2011 data includes new MSPI coefficient changes associated with modeling of Auxiliary Power Diesel Generators into an updated CPNPP MSPI Basis Document and the latest CPNPP PRA Model Revision.

### Reactor Coolant System Activity



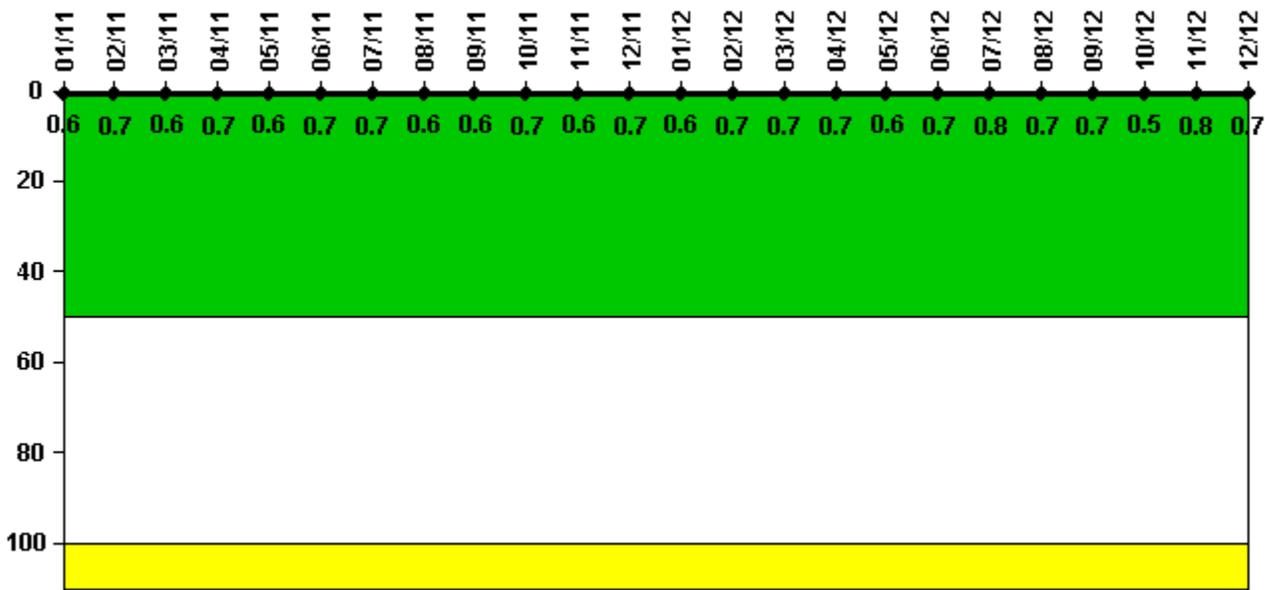
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum activity	0.000222	0.000268	0.000236	0.000242	0.000250	0.000253	0.000255	0.000261	0.000796	0.000106	0.000124	0.000128
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0	0	0
Reactor Coolant System Activity	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum activity	0.000133	0.000147	0.000138	0.000145	0.000145	0.000136	0.000228	0.000146	0.000152	0.000255	0.000159	0.000170
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0.1	0	0	0.1	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

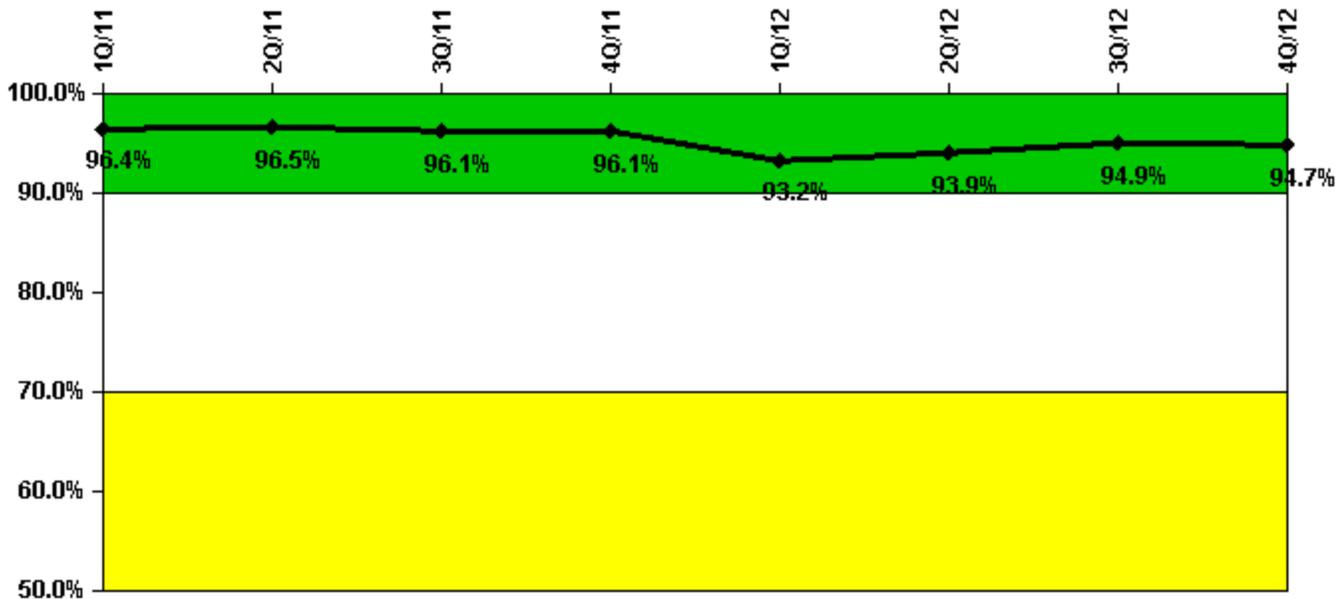
#### Notes

Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.064	0.069	0.062	0.067	0.057	0.065	0.066	0.058	0.060	0.071	0.061	0.066
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
<b>Indicator value</b>	<b>0.6</b>	<b>0.7</b>	<b>0.6</b>	<b>0.7</b>	<b>0.6</b>	<b>0.7</b>	<b>0.7</b>	<b>0.6</b>	<b>0.6</b>	<b>0.7</b>	<b>0.6</b>	<b>0.7</b>
Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	0.064	0.067	0.068	0.069	0.056	0.069	0.080	0.066	0.072	0.050	0.084	0.066
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
<b>Indicator value</b>	<b>0.6</b>	<b>0.7</b>	<b>0.7</b>	<b>0.7</b>	<b>0.6</b>	<b>0.7</b>	<b>0.8</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.8</b>	<b>0.7</b>

Licensee Comments:

- 12/12: RCS total leakage is being reported as identified leakage.
- 9/12: RCS total leakage is being reported as identified leakage.
- 6/12: RCS total leakage is being reported as identified leakage.
- 3/12: RCS total leakage is being reported as identified leakage.
- 12/11: RCS Total Leakage is being reported as Identified Leakage.
- 9/11: RCS Total Leakage is being reported as Identified Leakage.
- 6/11: RCS Total Leakage is being reported as Identified Leakage.
- 3/11: RCS Total Leakage is being reported as identified leakage.

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

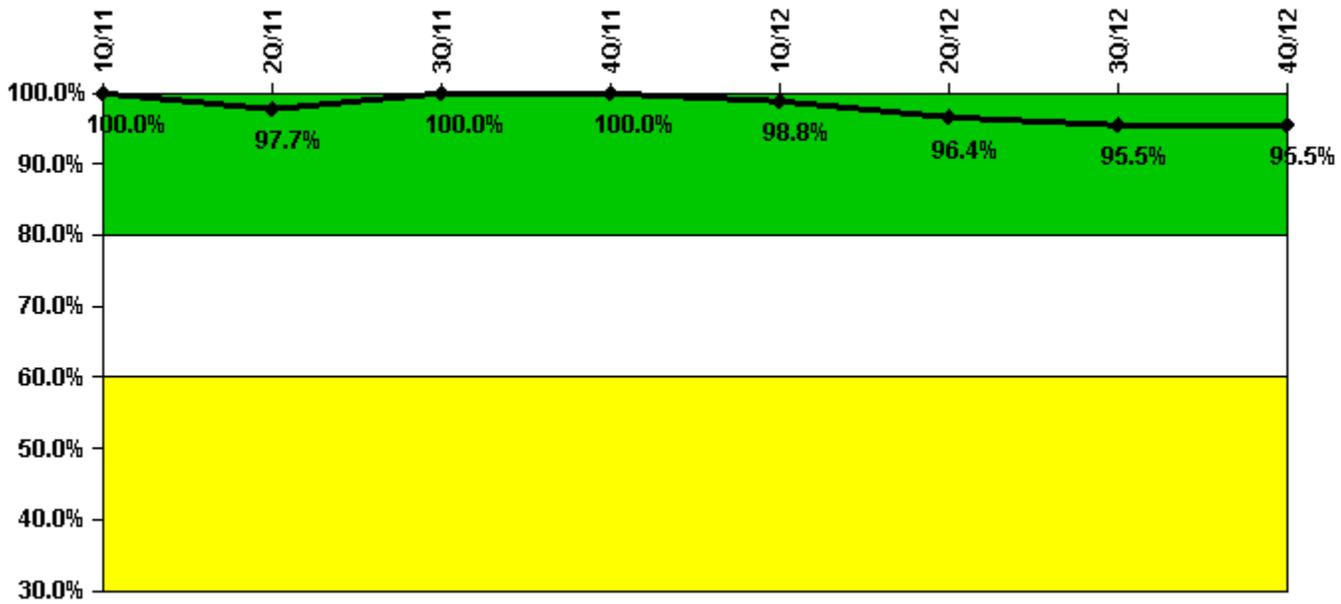
Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	19.0	23.0	35.0	6.0	7.0	24.0	26.0	2.0
Total opportunities	20.0	24.0	36.0	6.0	11.0	25.0	26.0	2.0
<b>Indicator value</b>	<b>96.4%</b>	<b>96.5%</b>	<b>96.1%</b>	<b>96.1%</b>	<b>93.2%</b>	<b>93.9%</b>	<b>94.9%</b>	<b>94.7%</b>

#### Licensee Comments:

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for 3Q 2011 to exclude one drill opportunity per the guidance of NEI 99-02. This data change did not result in a change to the indicator color.

3Q/11: Based on NRC feedback during an inspection, the Emergency Preparedness Drill and Exercise Performance data has been changed for 3Q 2010 to include unexpected simulator drill opportunities that were not included in the original indicator data submission. This data change did not result in a change to the indicator color.

### ERO Drill Participation



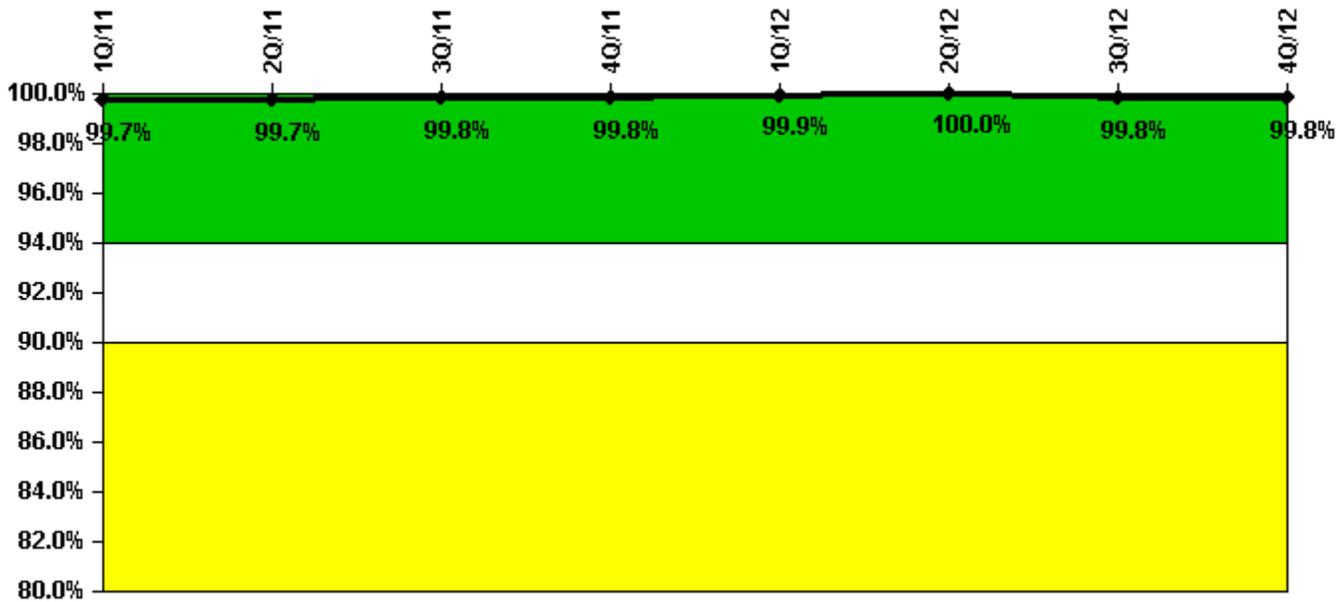
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	84.0	84.0	87.0	88.0	79.0	80.0	84.0	85.0
Total Key personnel	84.0	86.0	87.0	88.0	80.0	83.0	88.0	89.0
Indicator value	100.0%	97.7%	100.0%	100.0%	98.8%	96.4%	95.5%	95.5%

Licensee Comments: none

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

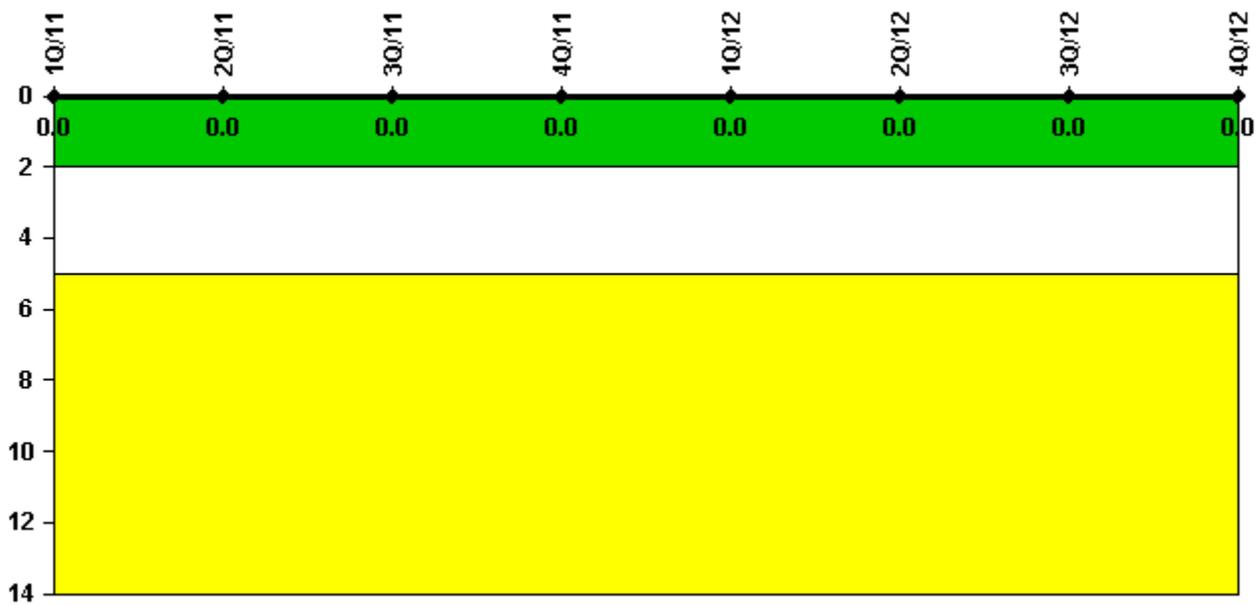
#### Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	430	431	432	431	360	432	428	432
Total sirens-tests	432	432	432	431	360	432	432	432
Indicator value	99.7%	99.7%	99.8%	99.8%	99.9%	100.0%	99.8%	99.8%

Licensee Comments:

1Q/12: 1 missed siren test in March 2012 due to error by offsite authority.

### Occupational Exposure Control Effectiveness



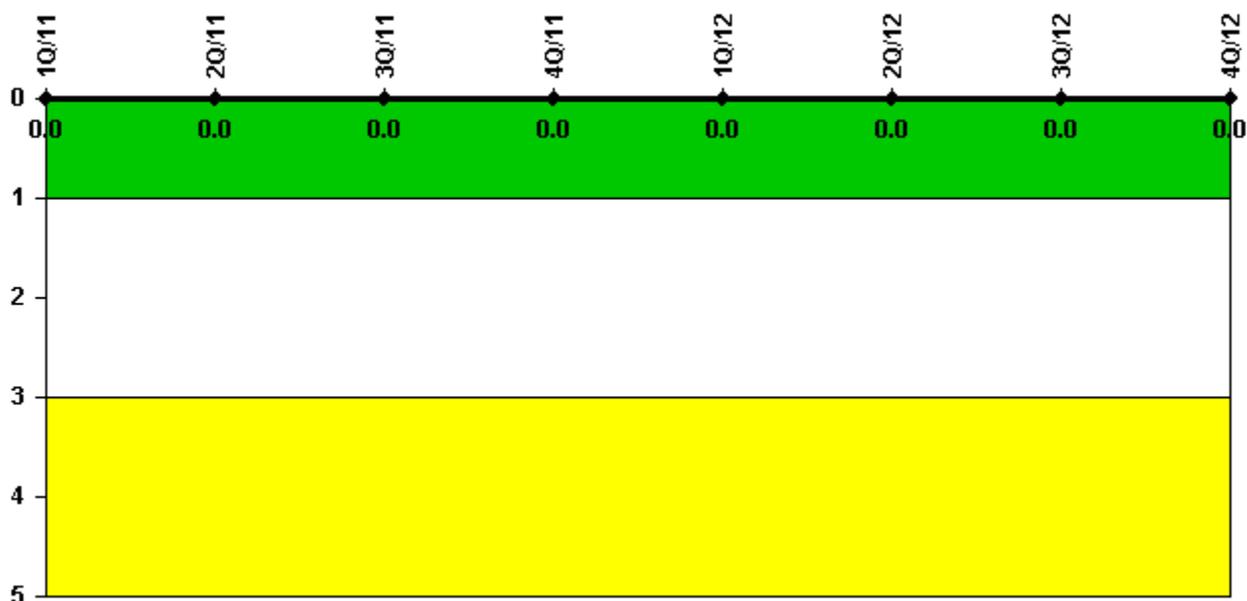
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/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>							

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</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.