

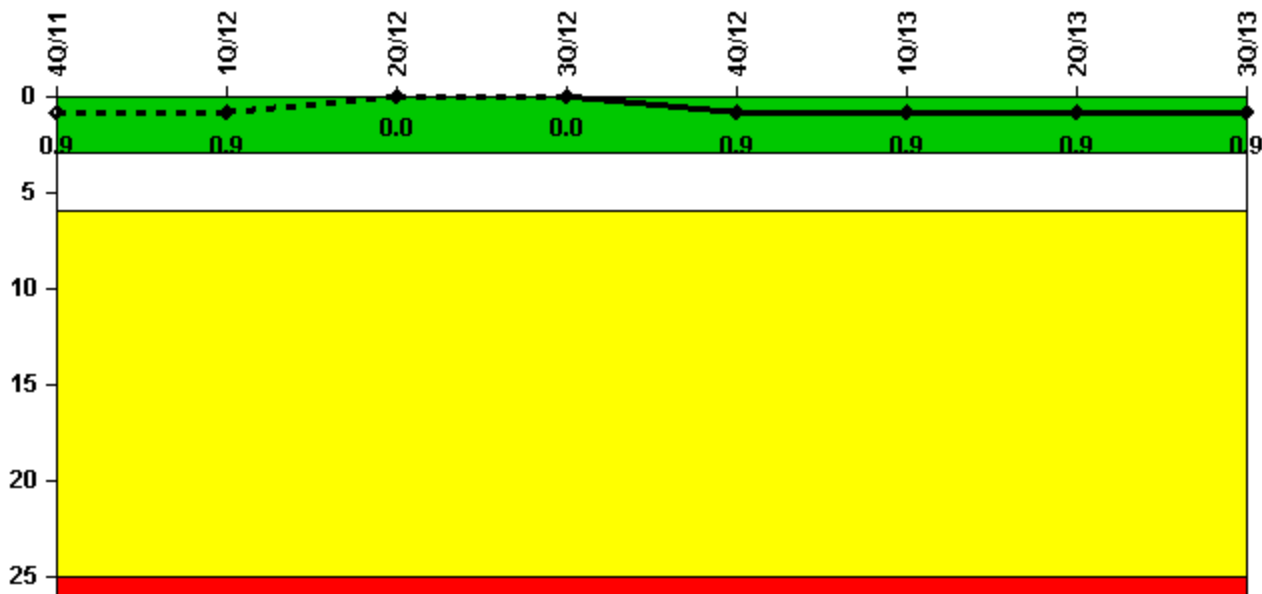
Comanche Peak 2

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



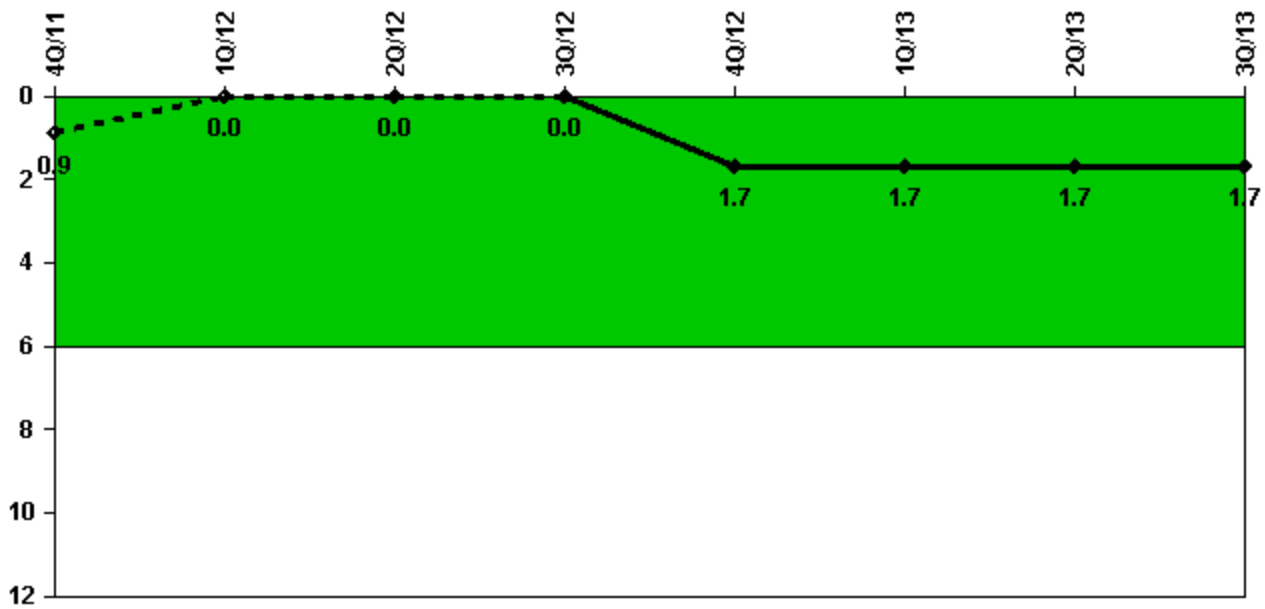
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2183.0	2112.7	2208.0	1573.1	2159.0	2184.0	2208.0
Indicator value	0.9	0.9	0	0	0.9	0.9	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



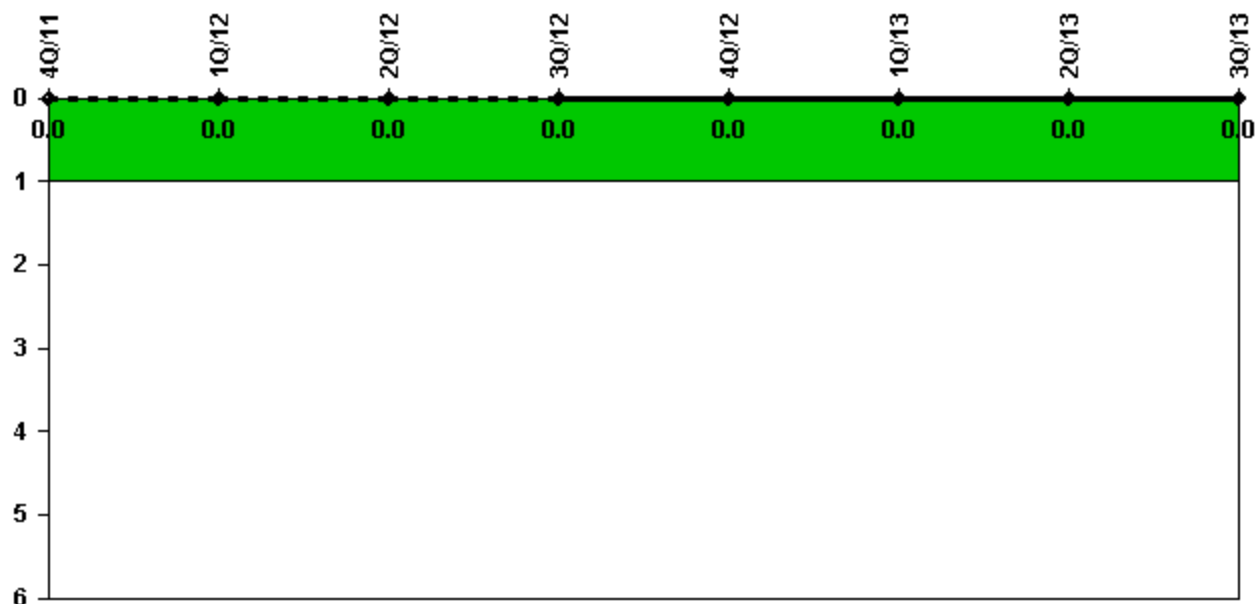
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	0	0	0	2.0	0	0	0
Critical hours	2209.0	2183.0	2112.7	2208.0	1573.1	2159.0	2184.0	2208.0
Indicator value	0.9	0	0	0	1.7	1.7	1.7	1.7

Licensee Comments: none

Unplanned Scrams with Complications



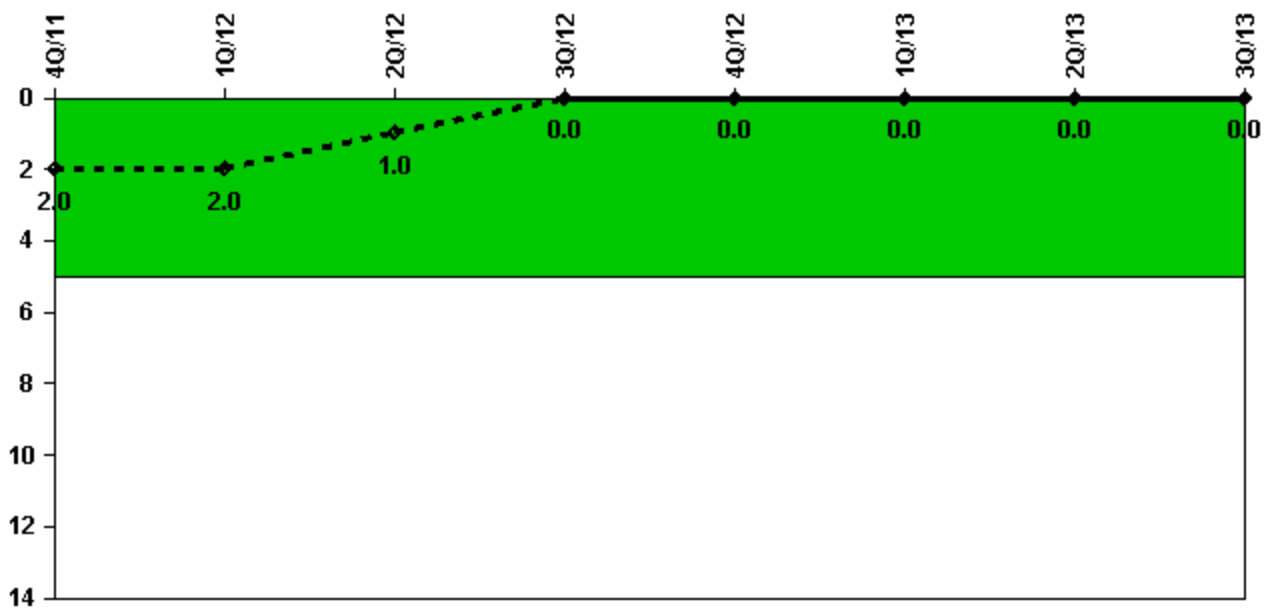
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
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 (PWR)



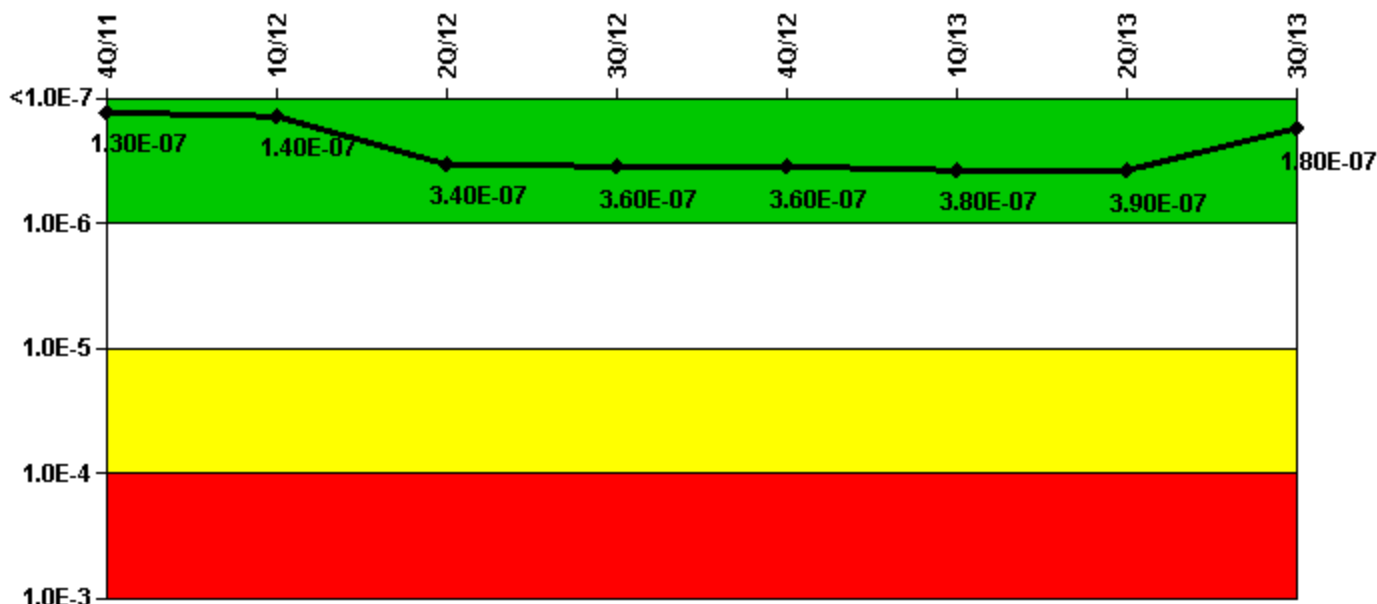
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	2	2	1	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

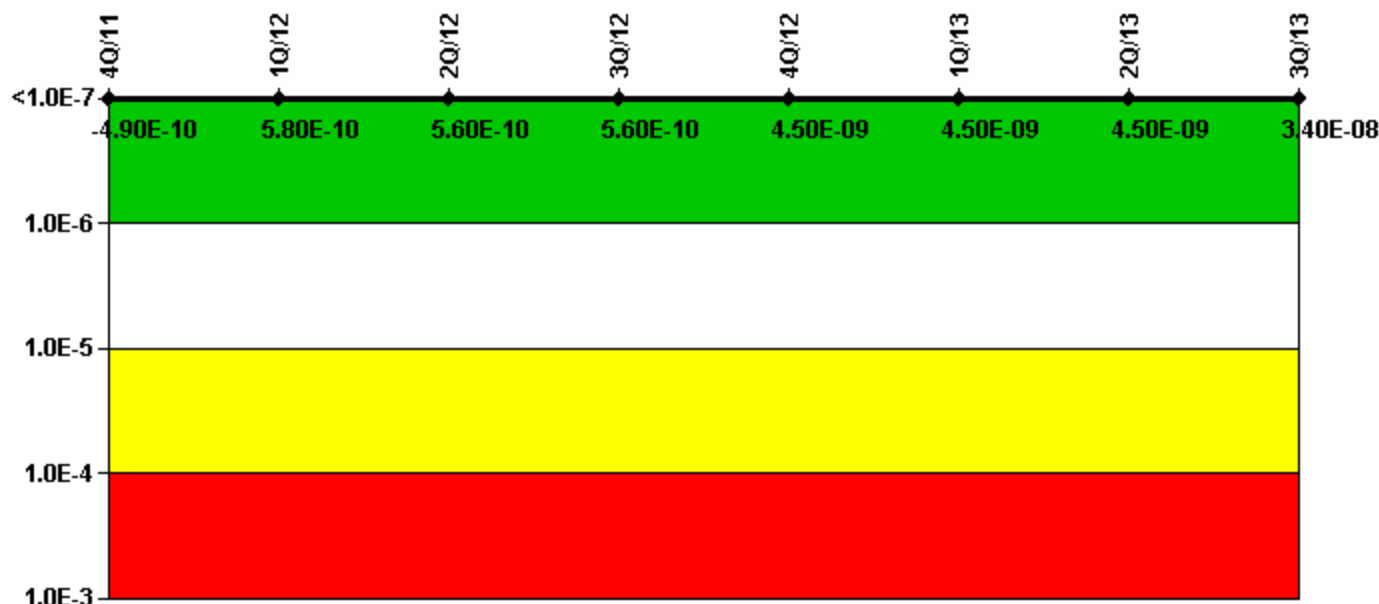
Mitigating Systems Performance Index, Emergency AC Power System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (ΔCDF)	-2.39E-08	-1.28E-08	2.36E-08	3.12E-08	3.69E-08	5.22E-08	6.33E-08	3.14E-08
URI (ΔCDF)	1.50E-07	1.52E-07	3.14E-07	3.24E-07	3.26E-07	3.27E-07	3.25E-07	1.48E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.30E-07	1.40E-07	3.40E-07	3.60E-07	3.60E-07	3.80E-07	3.90E-07	1.80E-07

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Parameters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Parameters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

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/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (ΔCDF)	-1.58E-10	-1.32E-10	-1.46E-10	-1.45E-10	-1.22E-10	-1.26E-10	-1.26E-10	1.30E-12
URI (ΔCDF)	-3.35E-10	7.16E-10	7.07E-10	7.10E-10	4.63E-09	4.62E-09	4.60E-09	3.36E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.90E-10	5.80E-10	5.60E-10	5.60E-10	4.50E-09	4.50E-09	4.50E-09	3.40E-08

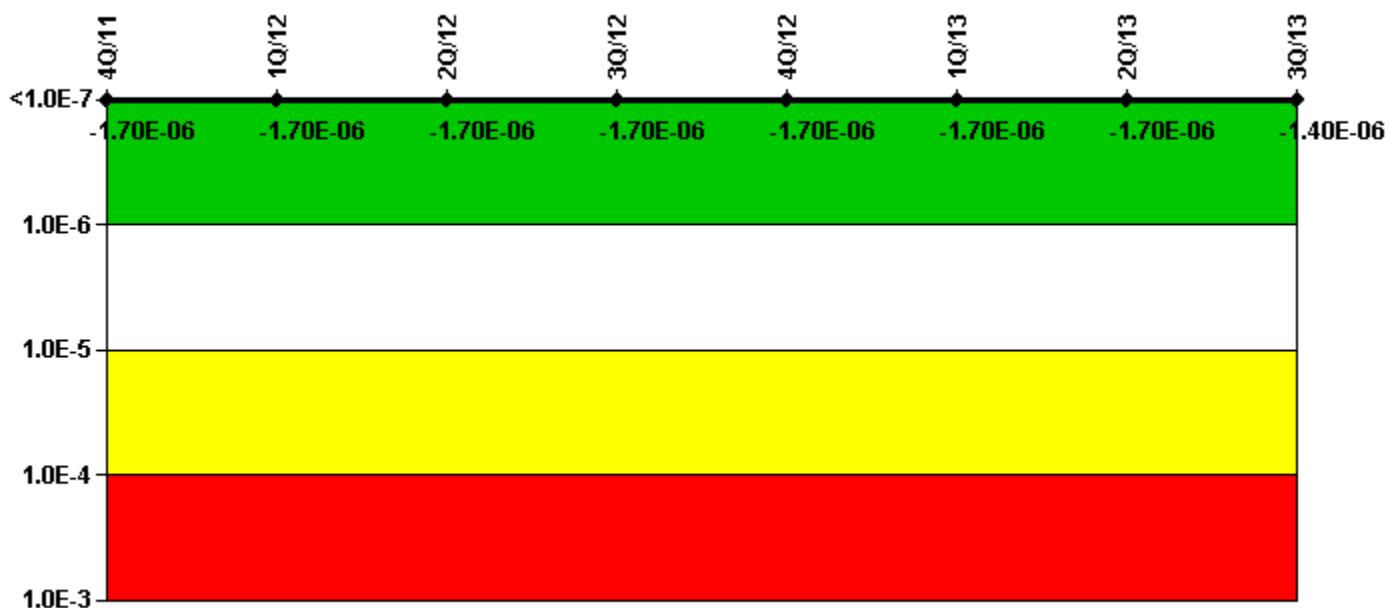
Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Parameters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Parameters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

4Q/12: The High Pressure Injection data for 4Q2012 has been corrected to include a failure record (ICES 301537) that was not reported in the 4Q submittal. This record is not an MSPI failure and is reported for OE criteria. This data change did not result in a change to the indicator color.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

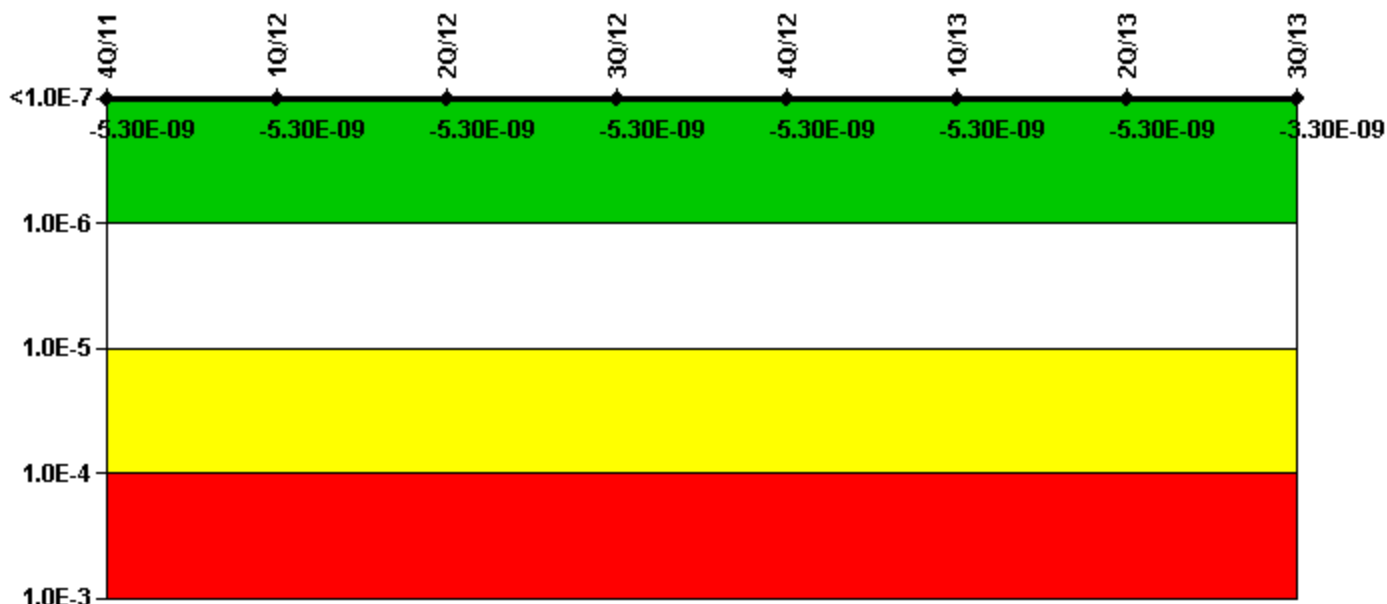
Mitigating Systems Performance Index, Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.44E-06	-1.42E-06	-1.08E-06
URI (Δ CDF)	-2.53E-07	-2.64E-07	-2.75E-07	-2.64E-07	-2.96E-07	-3.06E-07	-2.94E-07	-2.76E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-06	-1.70E-06	-1.70E-06	-1.70E-06	-1.70E-06	-1.70E-06	-1.70E-06	-1.40E-06

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Paramaters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

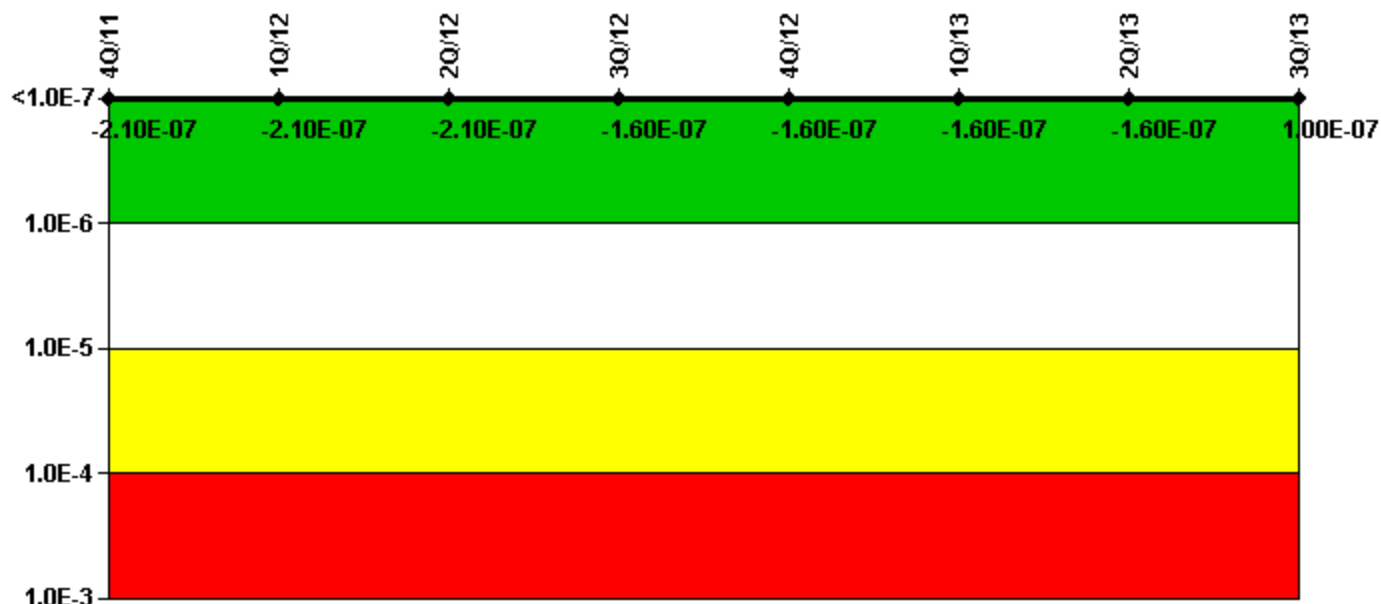
Mitigating Systems Performance Index, Residual Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-8.59E-10
URI (Δ CDF)	-3.90E-09	-3.90E-09	-3.91E-09	-3.91E-09	-3.92E-09	-3.92E-09	-3.92E-09	-2.47E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.30E-09	-5.30E-09	-5.30E-09	-5.30E-09	-5.30E-09	-5.30E-09	-5.30E-09	-3.30E-09

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Parameters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Parameters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

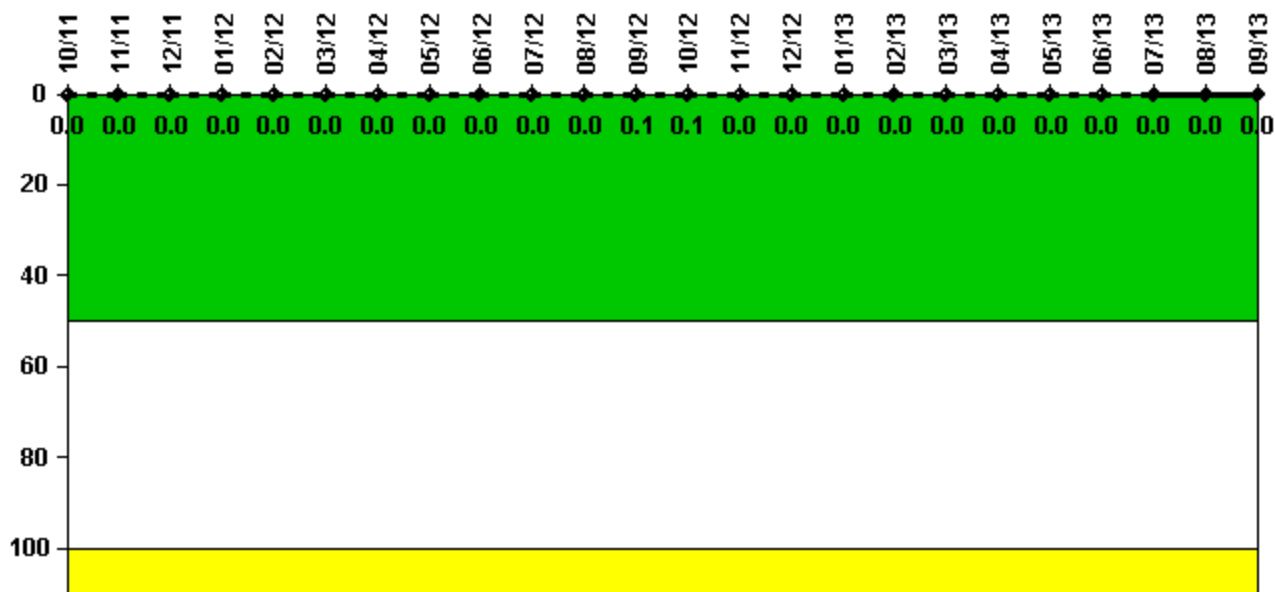
Mitigating Systems Performance Index, Cooling Water Systems	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-9.47E-08	-9.57E-08	-9.45E-08	-4.22E-08	-4.19E-08	-3.75E-08	-3.86E-08	-1.33E-08
URI (Δ CDF)	-1.13E-07	-1.14E-07	-1.14E-07	-1.17E-07	-1.18E-07	-1.19E-07	-1.18E-07	1.17E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.10E-07	-2.10E-07	-2.10E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	1.00E-07

Licensee Comments:

3Q/13: Changed PRA Parameter(s). Changed PRA Parameters due to PRA Model Update Revision 5. Reference MSPI Basis Document, R&R-PN-112, Revision 7.

2Q/13: Changed PRA Parameter(s). Changed PRA Parameters due to PRA Model Update Revision 4. Updated reliability reporting from Monthly Actuals to Estimates on all components per CPNPP MSPI Basis Document, R&R-PN-112, Revision 6.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

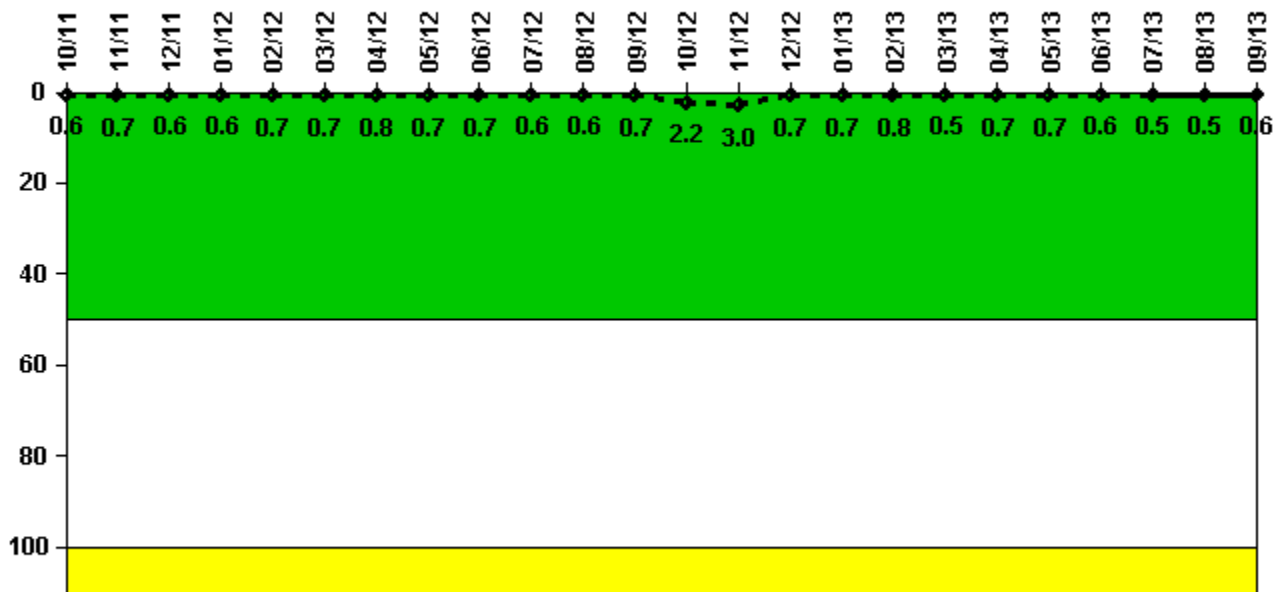
Notes

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	0.000175	0.000163	0.000159	0.000168	0.000186	0.000178	0.000210	0.000175	0.000185	0.000178	0.000186	0.000242
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	0	0	0	0	0.1

Reactor Coolant System Activity	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum activity	0.000610	0.000092	0.000108	0.000096	0.000111	0.000185	0.000121	0.000121	0.000121	0.000128	0.000119	0.000137
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	0.1	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	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	0.062	0.065	0.063	0.064	0.068	0.068	0.081	0.072	0.069	0.057	0.062	0.071
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
Indicator value	0.6	0.7	0.6	0.6	0.7	0.7	0.8	0.7	0.7	0.6	0.6	0.7

Reactor Coolant System Leakage	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum leakage	0.220	0.298	0.074	0.069	0.077	0.054	0.065	0.068	0.055	0.053	0.053	0.056
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
Indicator value	2.2	3.0	0.7	0.7	0.8	0.5	0.7	0.7	0.6	0.5	0.5	0.6

Licensee Comments:

9/13: RCS total leakage is being reported as identified leakage.

6/13: RCS total leakage is being reported as identified leakage.

3/13: RCS total leakage is being reported as identified leakage.

12/12: RCS total leakage is being reported as identified leakage.

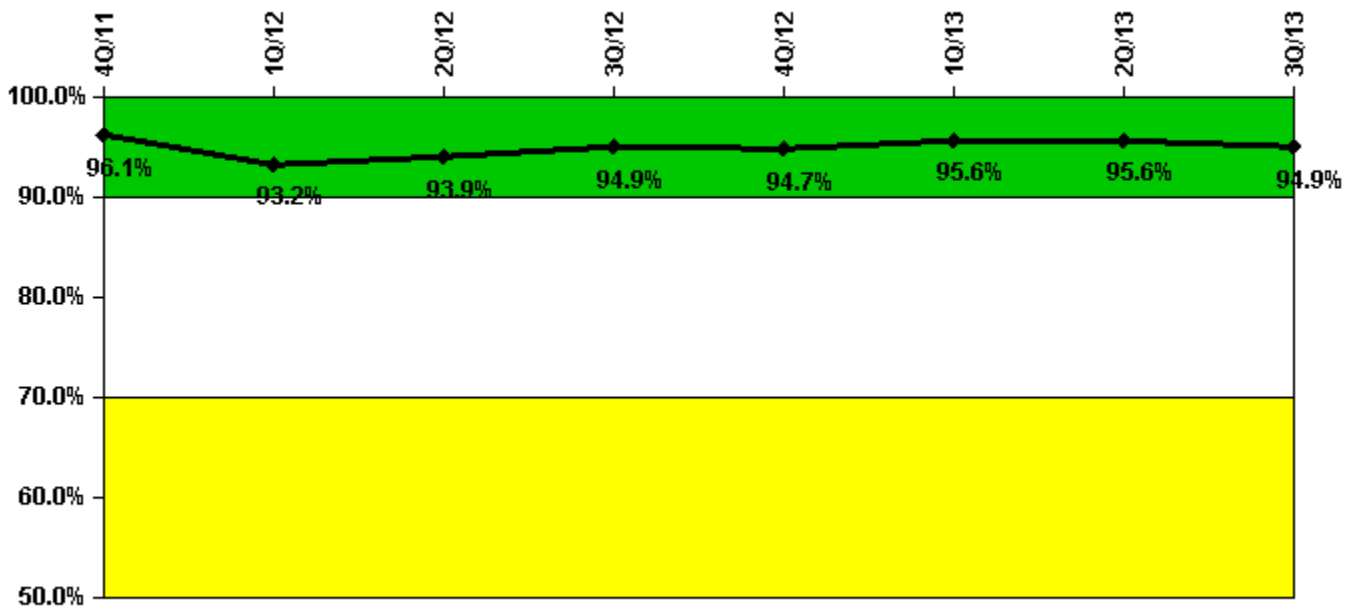
9/12: RCS total leakage is being reported as identified leakage.

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.

Drill/Exercise Performance



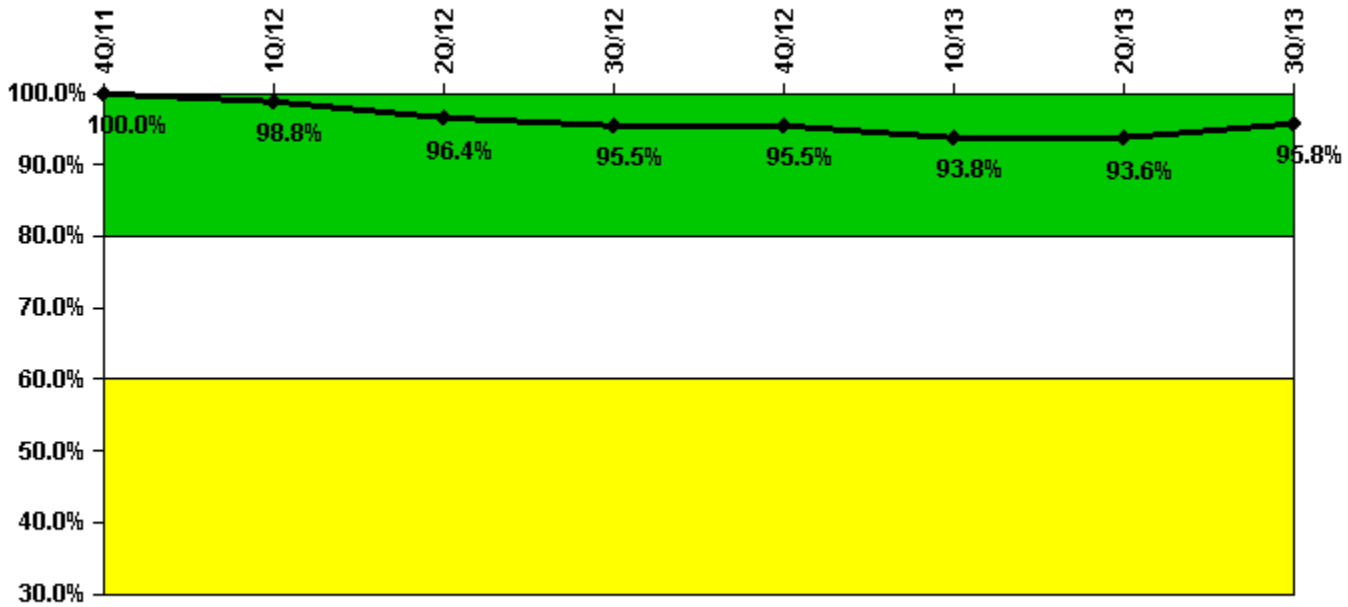
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	6.0	7.0	24.0	26.0	2.0	30.0	22.0	14.0
Total opportunities	6.0	11.0	25.0	26.0	2.0	30.0	23.0	15.0
Indicator value	96.1%	93.2%	93.9%	94.9%	94.7%	95.6%	95.6%	94.9%

Licensee Comments: none

ERO Drill Participation



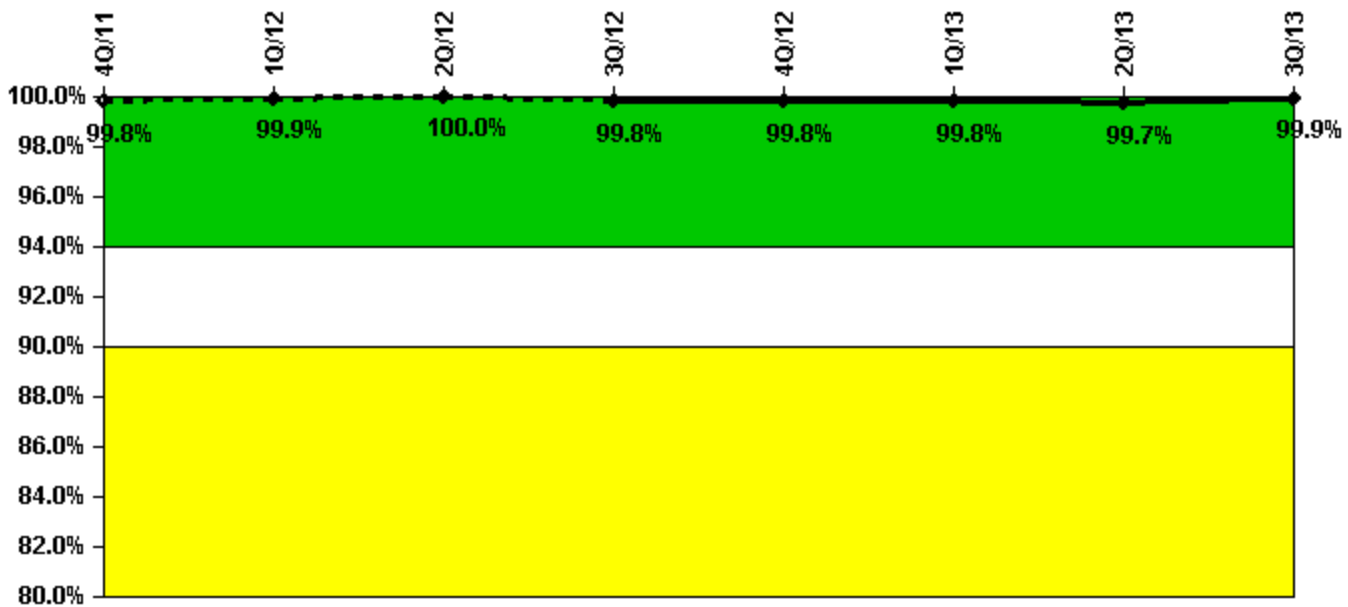
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	88.0	79.0	80.0	84.0	85.0	90.0	88.0	91.0
Total Key personnel	88.0	80.0	83.0	88.0	89.0	96.0	94.0	95.0
Indicator value	100.0%	98.8%	96.4%	95.5%	95.5%	93.8%	93.6%	95.8%

Licensee Comments: none

Alert & Notification System



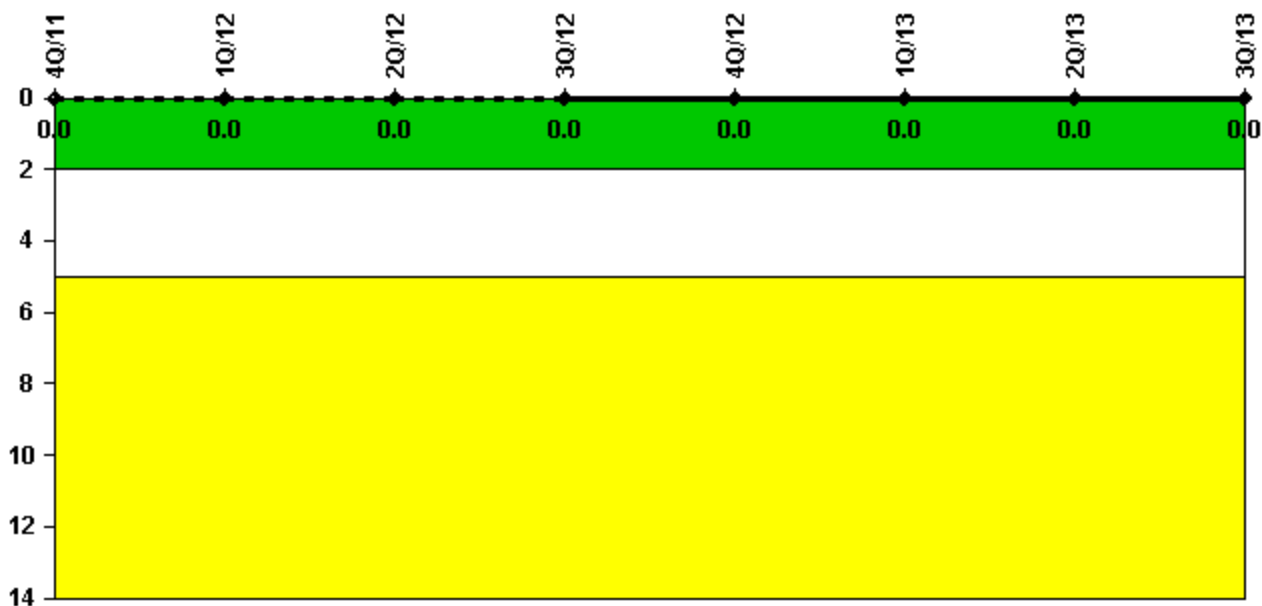
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful siren-tests	431	360	432	428	432	432	431	432
Total sirens-tests	431	360	432	432	432	432	432	432
Indicator value	99.8%	99.9%	100.0%	99.8%	99.8%	99.8%	99.7%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



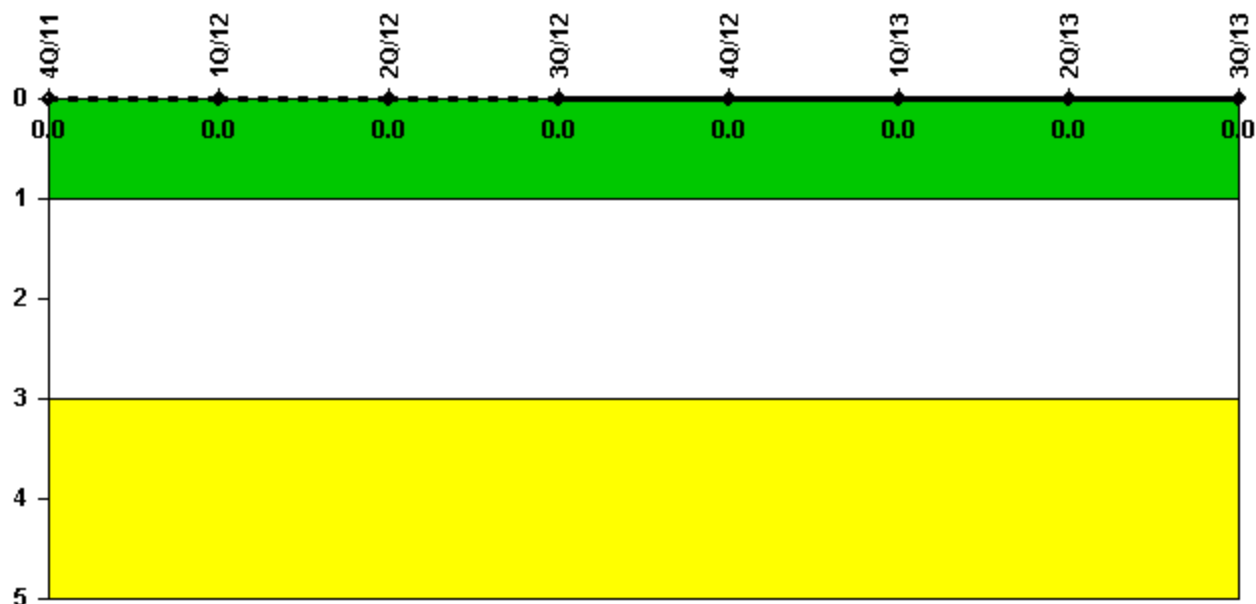
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/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
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	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/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: November 1, 2013