

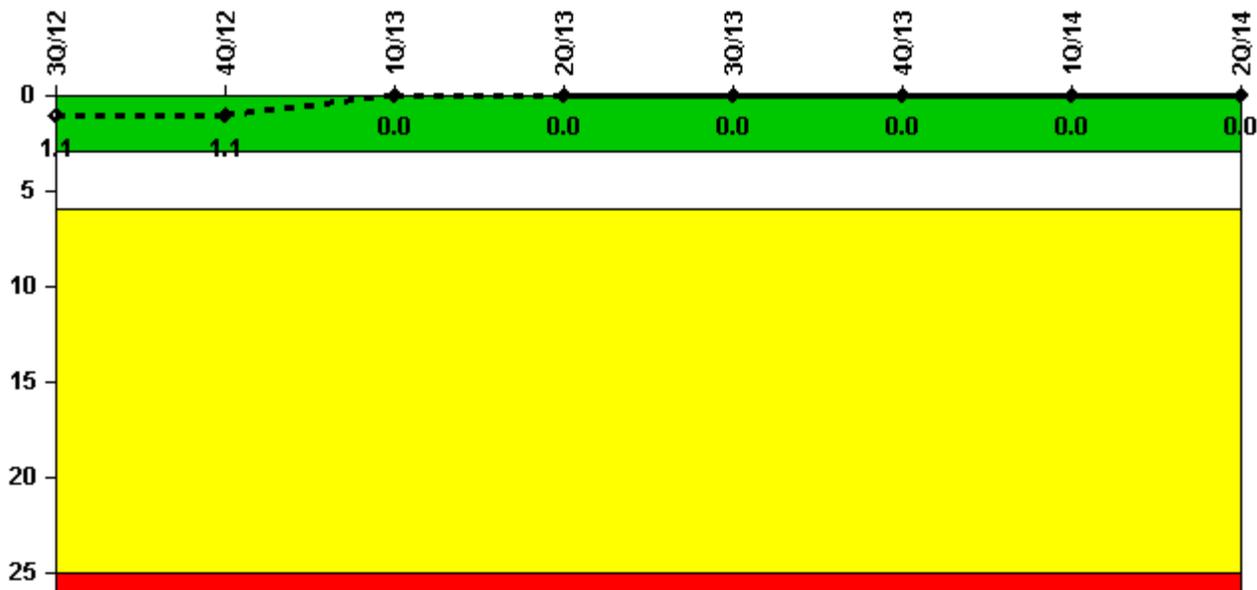
Prairie Island 2

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



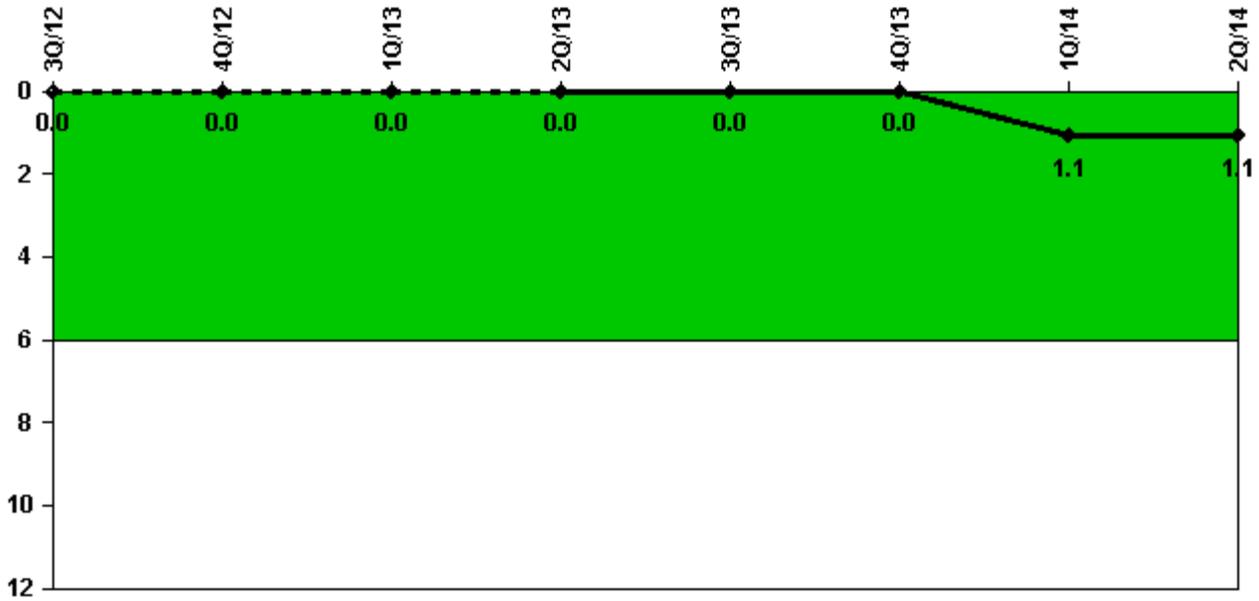
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	1968.1	0	2141.3	2080.6
Indicator value	1.1	1.1	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



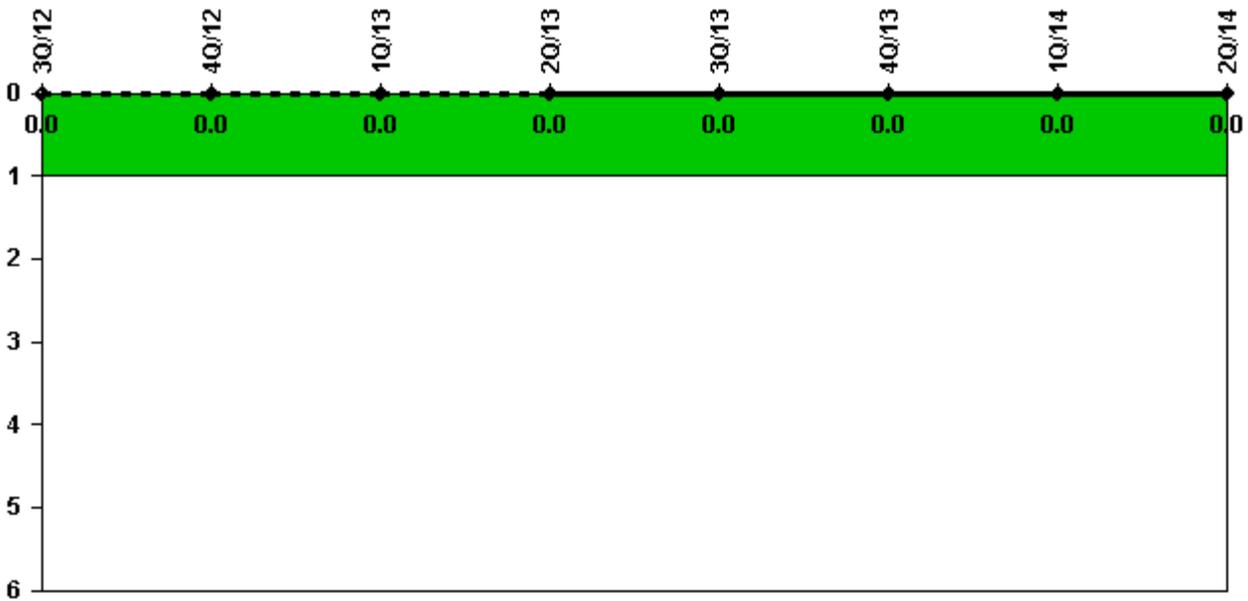
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	1968.1	0	2141.3	2080.6
Indicator value	0	0	0	0	0	0	1.1	1.1

Licensee Comments: none

Unplanned Scrams with Complications



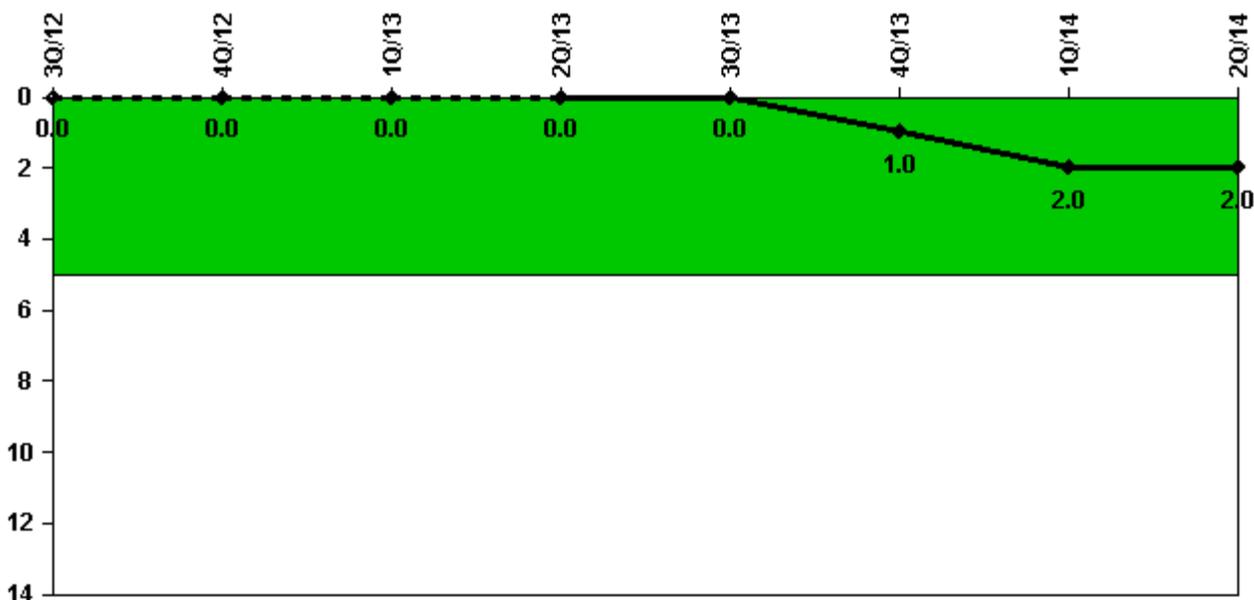
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0							

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	0	0	0	0	0	1	1	0
Indicator value	0	0	0	0	0	1	2	2

Licensee Comments:

1Q/14: LER 50-306/2014-001-00, March 3, 2014, Unanalyzed Condition Due to Removal of Multiple Steam Generator Lateral Support Shims and Bumpers

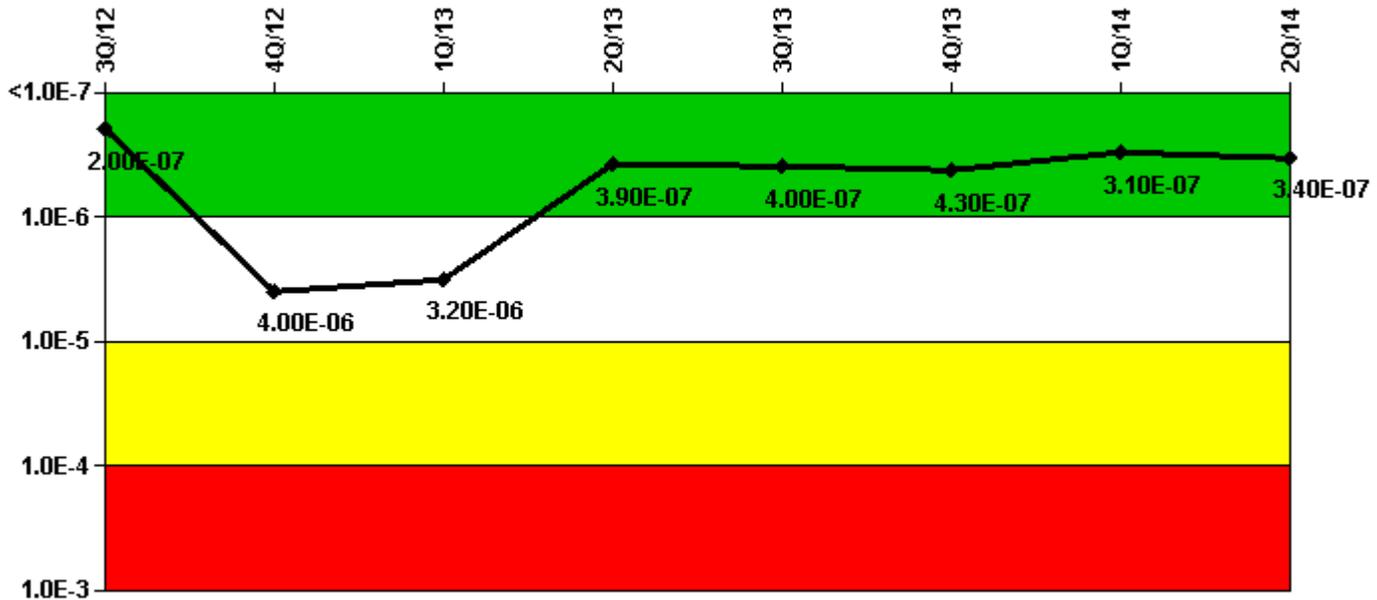
4Q/13: LER 50-282/2013-001-00, 10/8/2013, Control Room Envelope Inoperable.

4Q/12: Dec 2012 SSFF previously reported as 1; this was an error as it should have been reported as 0. This change does not affect the color of the indicator.

3Q/12: LER 50-306/2012-002-01, revision to LER 50-306/2012-002-00. Baed on subsequent engineering evaluation both EDG D5 & D6 will remain operable and perform their safety function. This was previously reported as an SSFF.

3Q/12: LER 50-306/2012-002-00, Sept 14, 2012, Unit 2 Diesel Generators inoperable due to missing hazard barrier.

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/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	3.26E-07	4.58E-07	1.55E-07	8.45E-08	9.72E-08	1.24E-07	2.86E-08	5.50E-08
URI (ΔCDF)	-1.22E-07	3.56E-06	3.00E-06	3.01E-07	3.05E-07	3.09E-07	2.83E-07	2.87E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.00E-07	4.00E-06	3.20E-06	3.90E-07	4.00E-07	4.30E-07	3.10E-07	3.40E-07

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: Risk Cap Invoked. 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

1Q/13: Risk Cap Invoked.

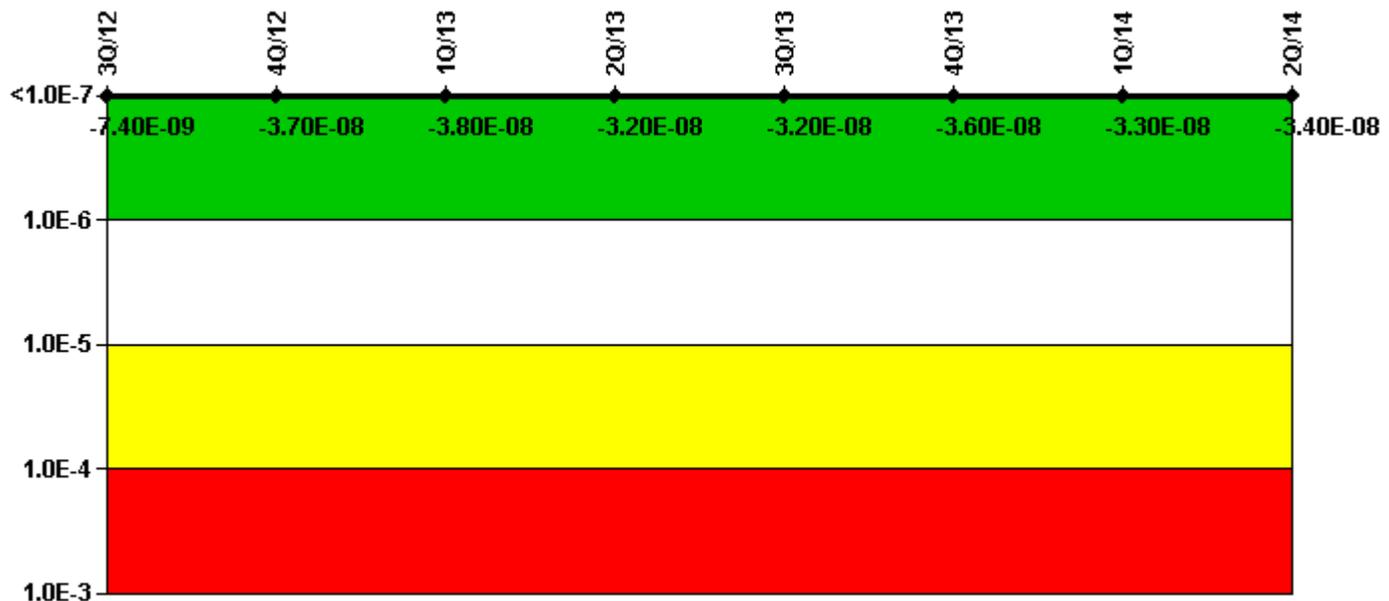
4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance.

4Q/12: Risk Cap Invoked. Revised 4th quarter 2012 indicator based on incomplete data. The indicator exceeded the green/white threshold for 4th quarter 2012. Prairie Island is performing a Root Cause Evaluation to determine causes and actions to improve performance. 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/12: Risk Cap Invoked. 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

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Mitigating Systems Performance Index, High Pressure Injection System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	2.44E-08	-4.97E-09	-5.57E-09	-9.22E-09	-9.04E-09	-9.96E-09	-8.63E-09	-8.63E-09
URI (Δ CDF)	-3.18E-08	-3.20E-08	-3.21E-08	-2.24E-08	-2.25E-08	-2.60E-08	-2.48E-08	-2.49E-08
PLE	NO							
Indicator value	-7.40E-09	-3.70E-08	-3.80E-08	-3.20E-08	-3.20E-08	-3.60E-08	-3.30E-08	-3.40E-08

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

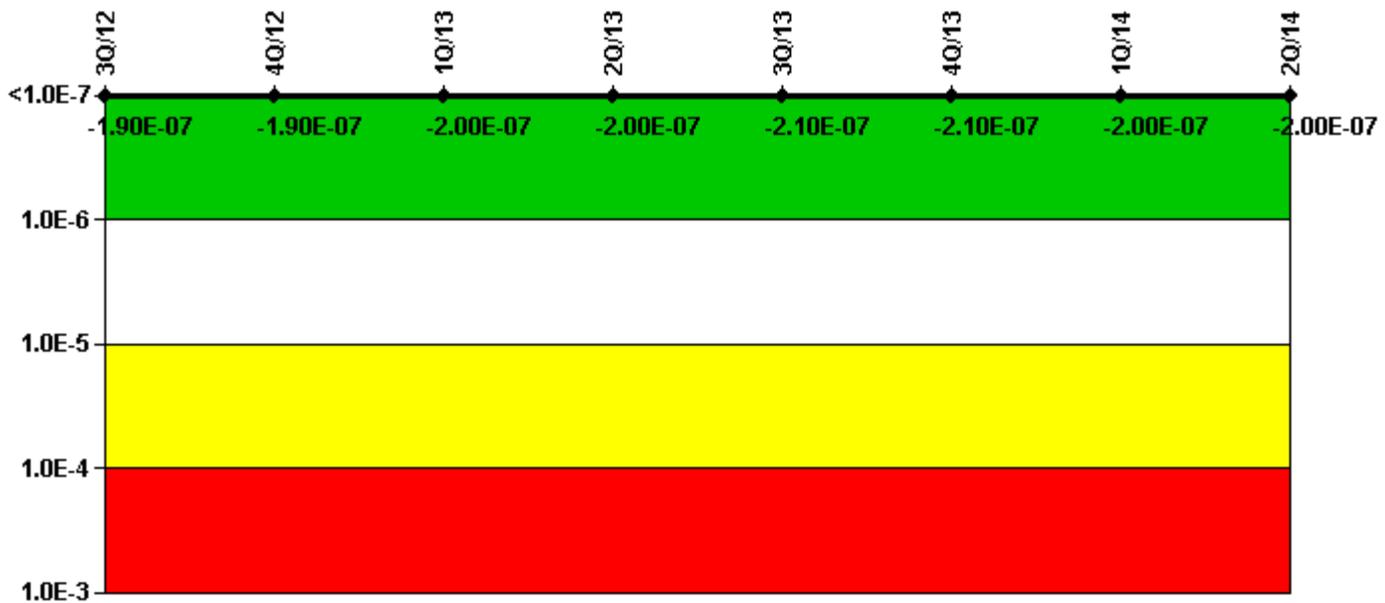
3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

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/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	4.20E-10	1.70E-09	-8.29E-09	-3.63E-08	-3.63E-08	-3.63E-08	-3.05E-08	-3.05E-08
URI (ΔCDF)	-1.90E-07	-1.90E-07	-1.90E-07	-1.68E-07	-1.69E-07	-1.73E-07	-1.71E-07	-1.69E-07
PLE	NO							
Indicator value	-1.90E-07	-1.90E-07	-2.00E-07	-2.00E-07	-2.10E-07	-2.10E-07	-2.00E-07	-2.00E-07

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

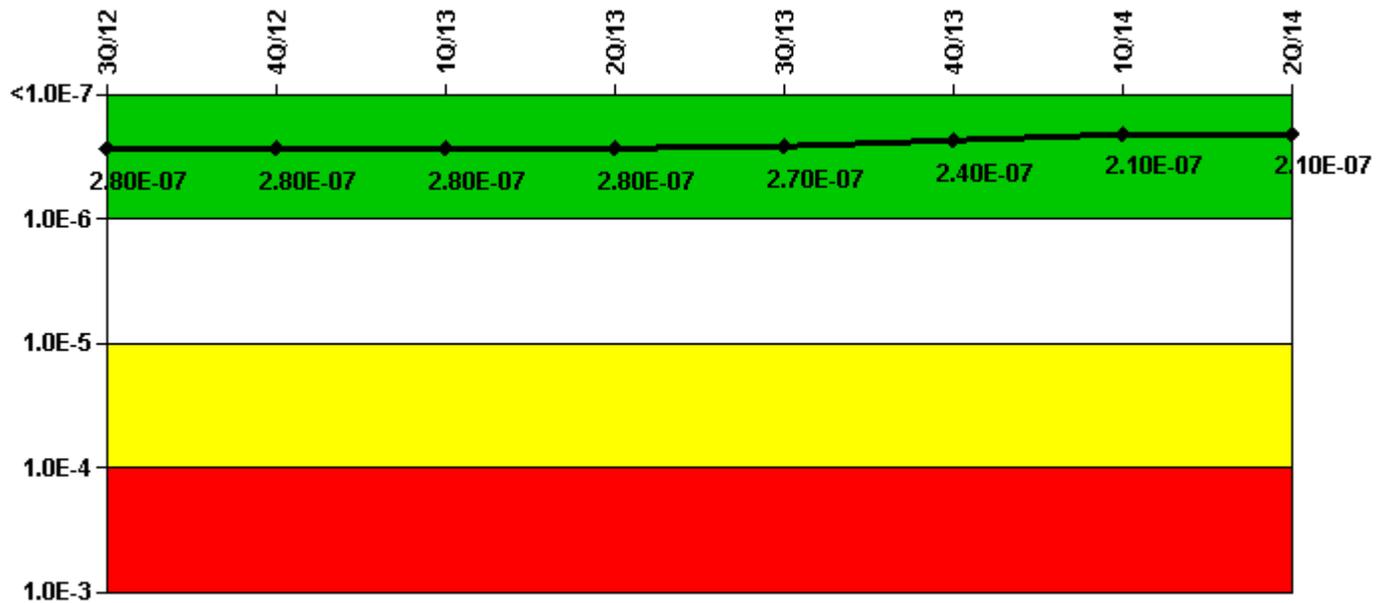
2Q/13: Changed PRA Parameter(s).

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

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/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	-2.94E-08	-2.94E-08	-2.94E-08	-2.36E-08	-2.36E-08	-2.36E-08	-1.82E-08	-1.82E-08
URI (ΔCDF)	3.06E-07	3.06E-07	3.05E-07	3.07E-07	2.95E-07	2.59E-07	2.24E-07	2.24E-07
PLE	NO							
Indicator value	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.70E-07	2.40E-07	2.10E-07	2.10E-07

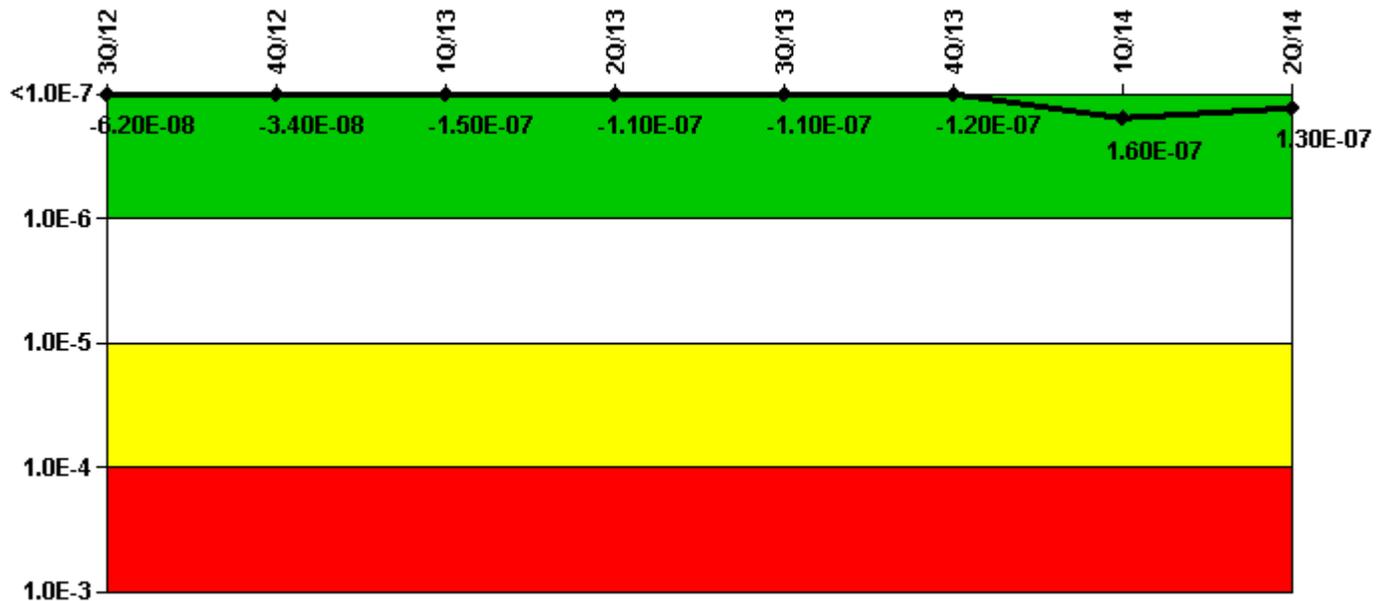
Licensee Comments:

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

3Q/13: MSPI Unavailability corrections due to previously missed unavailability windows when using RHR as load for Component Cooling Water testing; also identify unavailability window extended from that previously reported.

2Q/13: 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/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	2.68E-07	2.90E-07	1.69E-07	1.44E-07	1.39E-07	1.33E-07	1.91E-07	1.58E-07
URI (ΔCDF)	-3.30E-07	-3.24E-07	-3.20E-07	-2.49E-07	-2.50E-07	-2.58E-07	-3.08E-08	-3.05E-08
PLE	NO							

Indicator value	-6.20E-08	-3.40E-08	-1.50E-07	-1.10E-07	-1.10E-07	-1.20E-07	1.60E-07	1.30E-07
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Licensee Comments:

1Q/14: MSPI Unavailability corrections due to previously omitted unavailability window for swing pump when dedicated to opposite train and math error.

1Q/14: Changed PRA Parameter(s). The PINGP PRA Model Revision 5.0 was approved on 12/20/2013 with a corresponding MSPI Basis Document Revision 13 approved on 4/3/2014. The PRA model revision was a periodic update to the model which included an update to incorporate newly installed Unit 2 RCP Seals. As a result of the PRA model change, both units CDF and Fussel-Vesely values for all monitored trains and components were revised, and Auxiliary Feedwater monitored components were added.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

3Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

2Q/13: Changed PRA Parameter(s).

1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

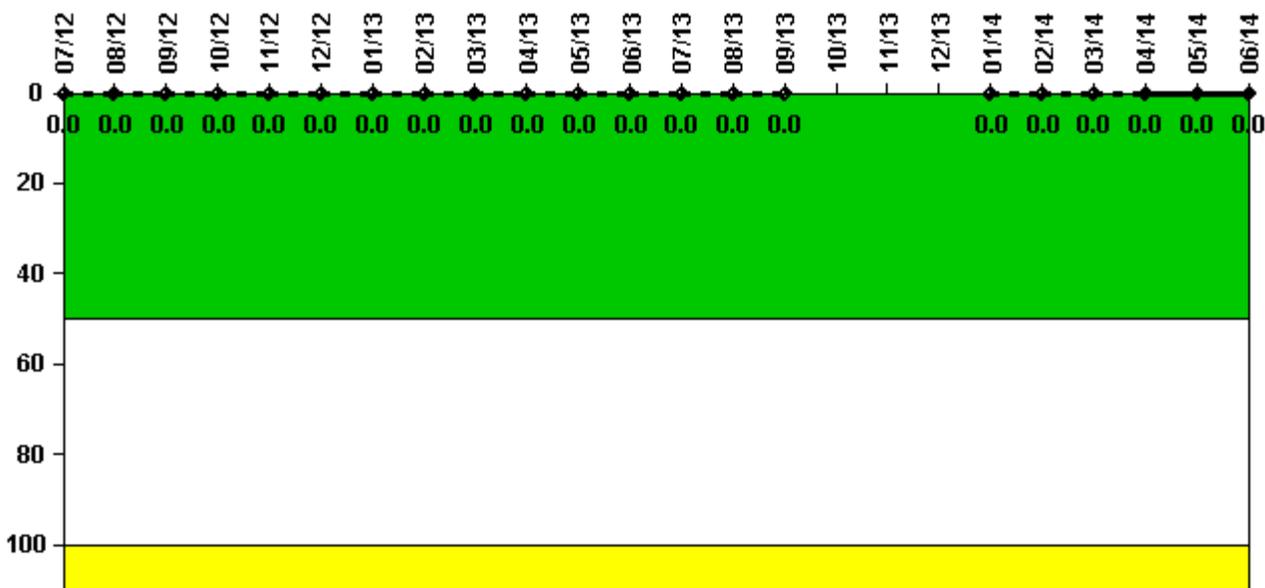
1Q/13: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

4Q/12: MSPI Unavailability corrections due to unavailability correction made in first quarter 2014 which applied reactor not critical exclusion to the wrong unit; Unit 1 was not critical, Unit 2 was critical during this event window.

3Q/12: 2014 review of previously submitted data identified corrections to be made to MSPI Data reported. Changes do not result in a color change for any MSPI system.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

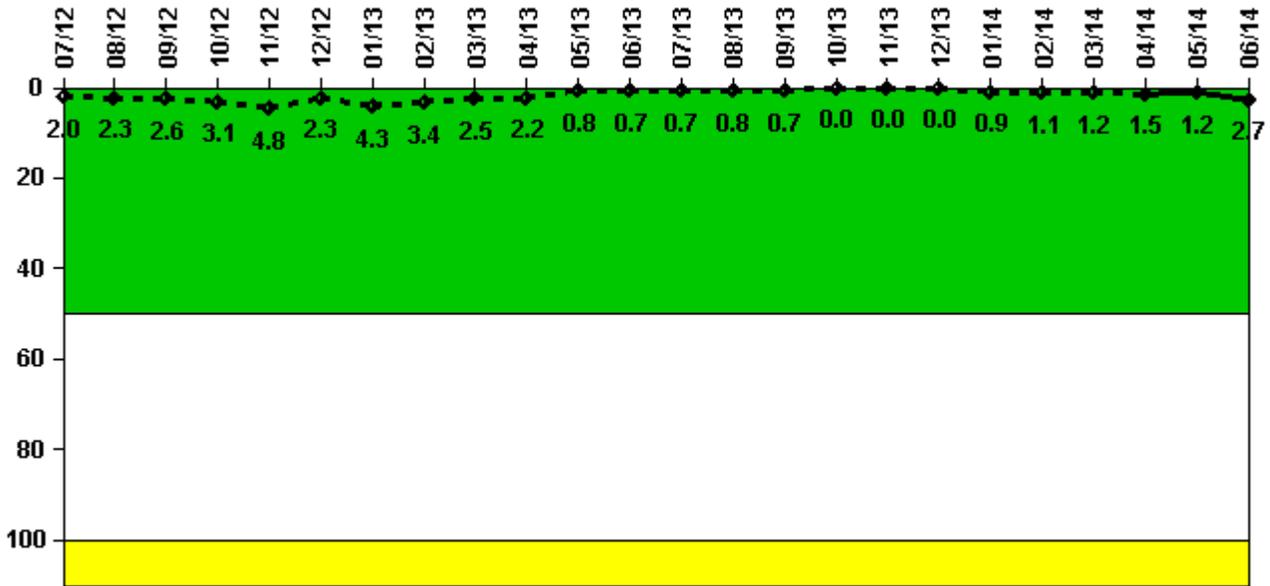
Reactor Coolant System Activity	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum activity	0.000110	0.000112	0.000115	0.000122	0.000132	0.000135	0.000145	0.000146	0.000147	0.000225	0.000148	0.000147
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	0.000129	0.000137	0.000133	N/A	N/A	N/A	0.000034	0.000045	0.000045	0.000051	0.000041	0.000056
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	N/A	N/A	N/A	0	0	0	0	0	0

Licensee Comments:

9/13: Revised Unit 2 data for RCS Specific Activity (Maximum I-131) for the 3rd quarter 2013 reporting period. The change does not affect the color of the indicator.

Reactor Coolant System Leakage



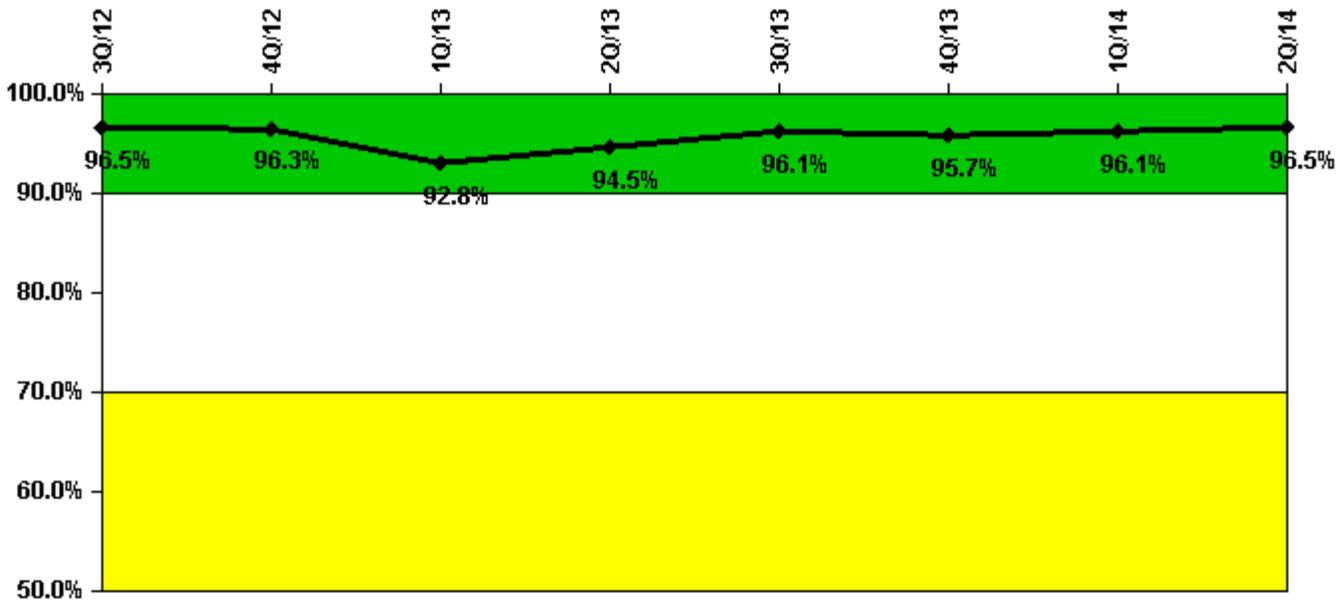
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.201	0.231	0.262	0.306	0.475	0.225	0.425	0.343	0.251	0.217	0.080	0.074
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	2.0	2.3	2.6	3.1	4.8	2.3	4.3	3.4	2.5	2.2	0.8	0.7
Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	0.068	0.075	0.072	0	0	0	0.093	0.112	0.115	0.152	0.118	0.273
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	0.7	0.8	0.7	0	0	0	0.9	1.1	1.2	1.5	1.2	2.7

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

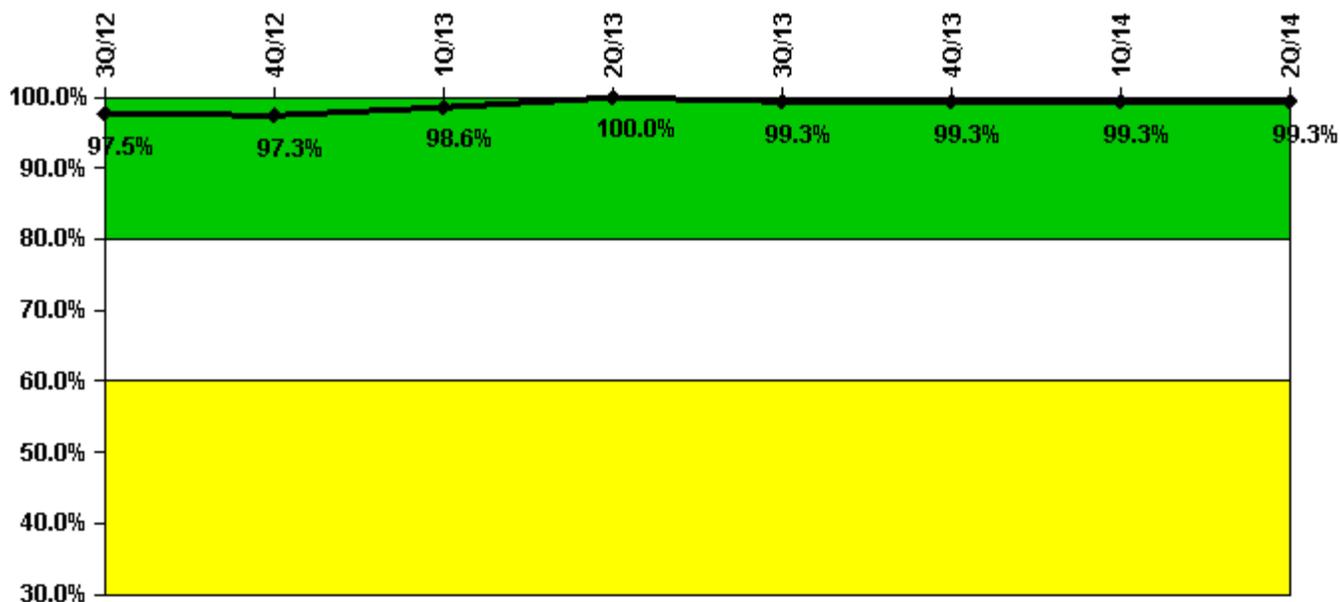
Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	31.0	9.0	38.0	86.0	111.0	0	106.0	112.0
Total opportunities	32.0	10.0	45.0	87.0	113.0	0	110.0	114.0
Indicator value	96.5%	96.3%	92.8%	94.5%	96.1%	95.7%	96.1%	96.5%

Licensee Comments:

3Q/13: DEP data for Aug 2013 was changed. The change does not affect the color of the indicator.

1Q/13: DEP data for Feb 2013 was changed. The change does not affect the color of the indicator.

ERO Drill Participation



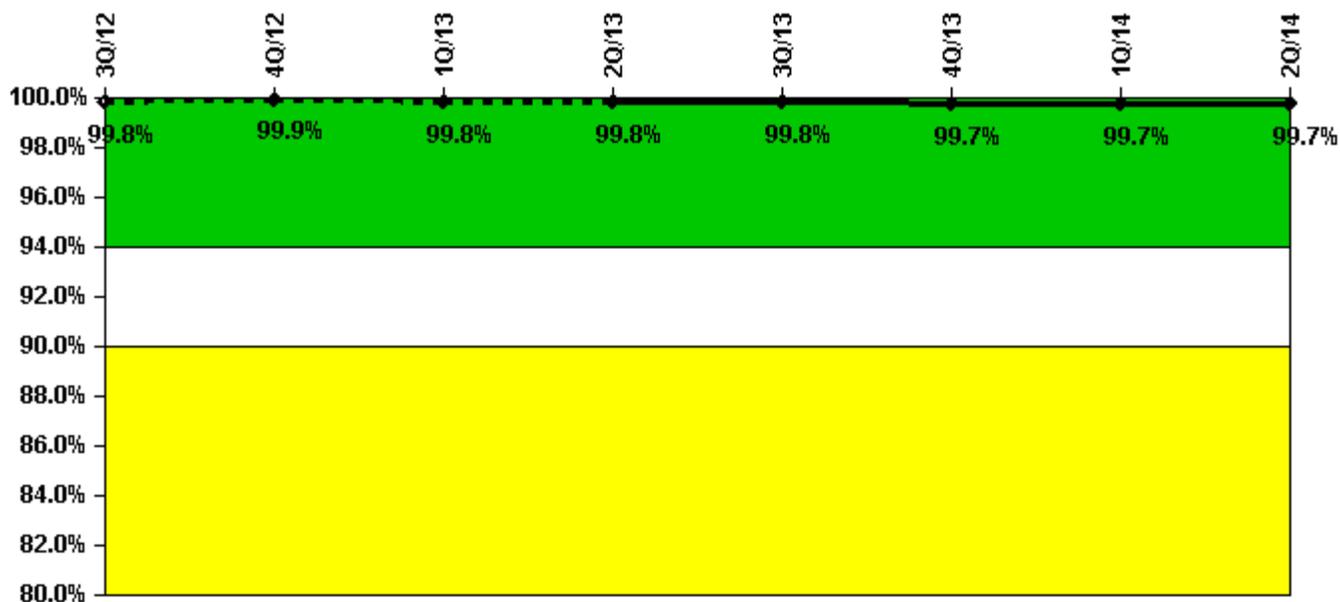
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	157.0	144.0	140.0	144.0	144.0	141.0	142.0	149.0
Total Key personnel	161.0	148.0	142.0	144.0	145.0	142.0	143.0	150.0
Indicator value	97.5%	97.3%	98.6%	100.0%	99.3%	99.3%	99.3%	99.3%

Licensee Comments: none

Alert & Notification System



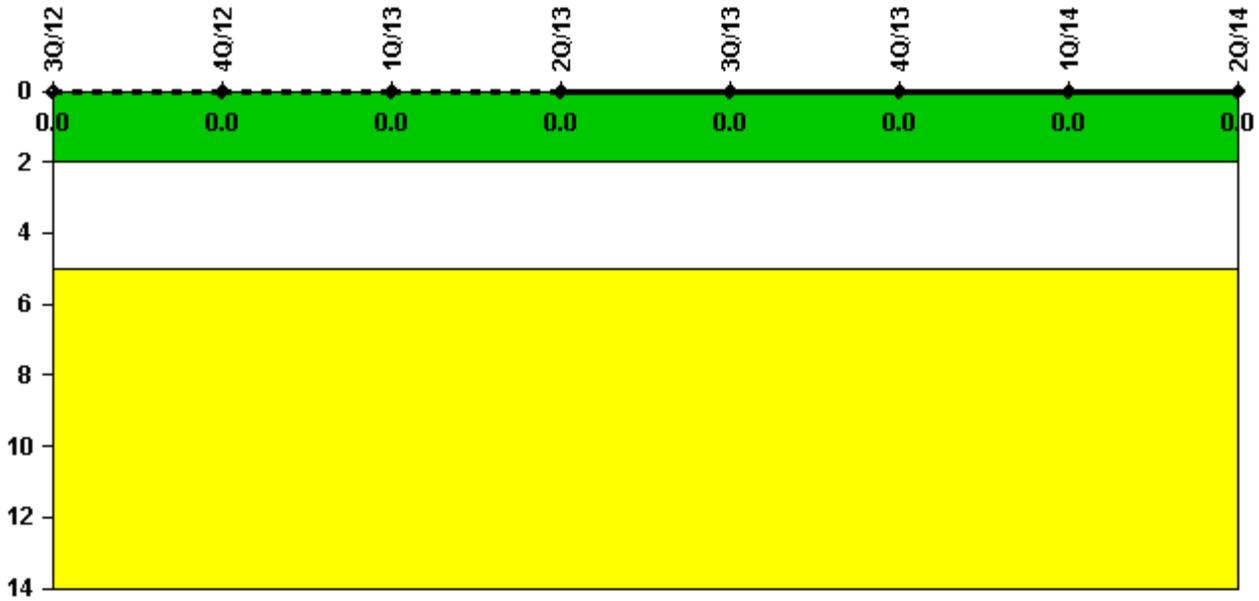
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	1520	1519	1515	1519	1520	1591	1591	1596
Total sirens-tests	1521	1521	1521	1521	1521	1599	1599	1599
Indicator value	99.8%	99.9%	99.8%	99.8%	99.8%	99.7%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



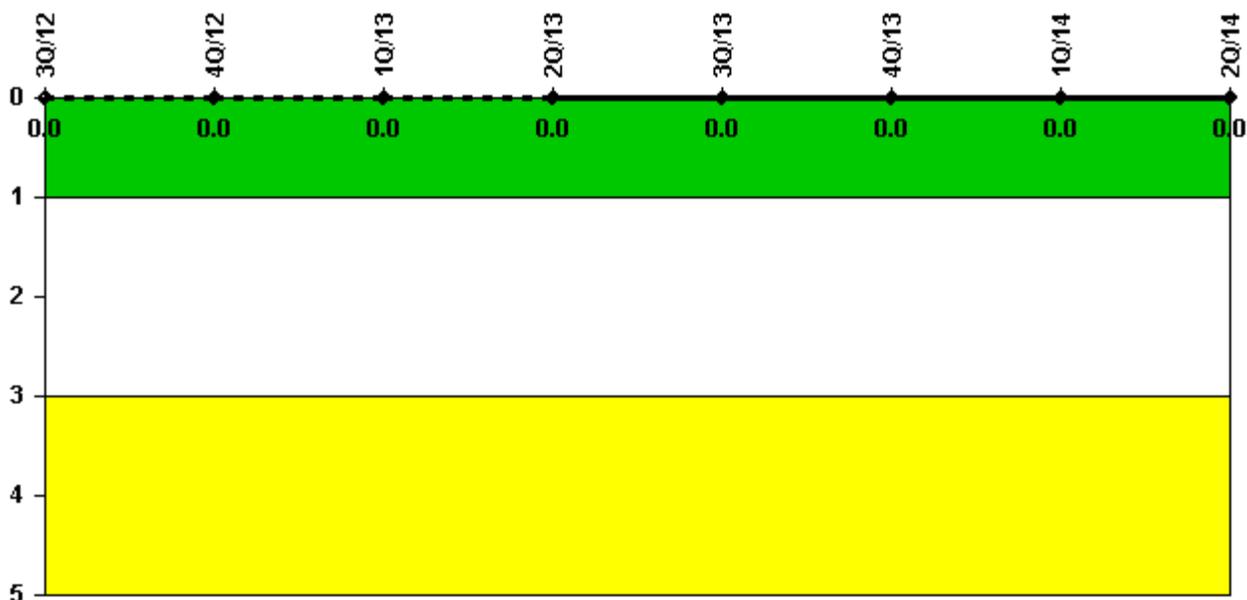
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
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							

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	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: July 31, 2014