

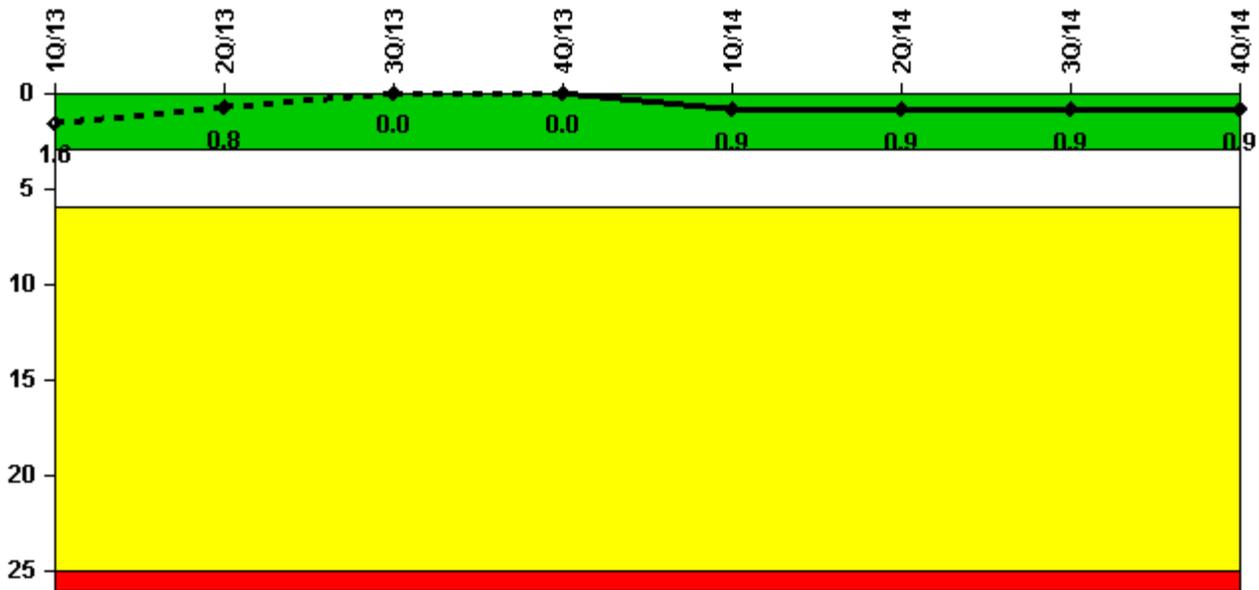
Limerick 1

4Q/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

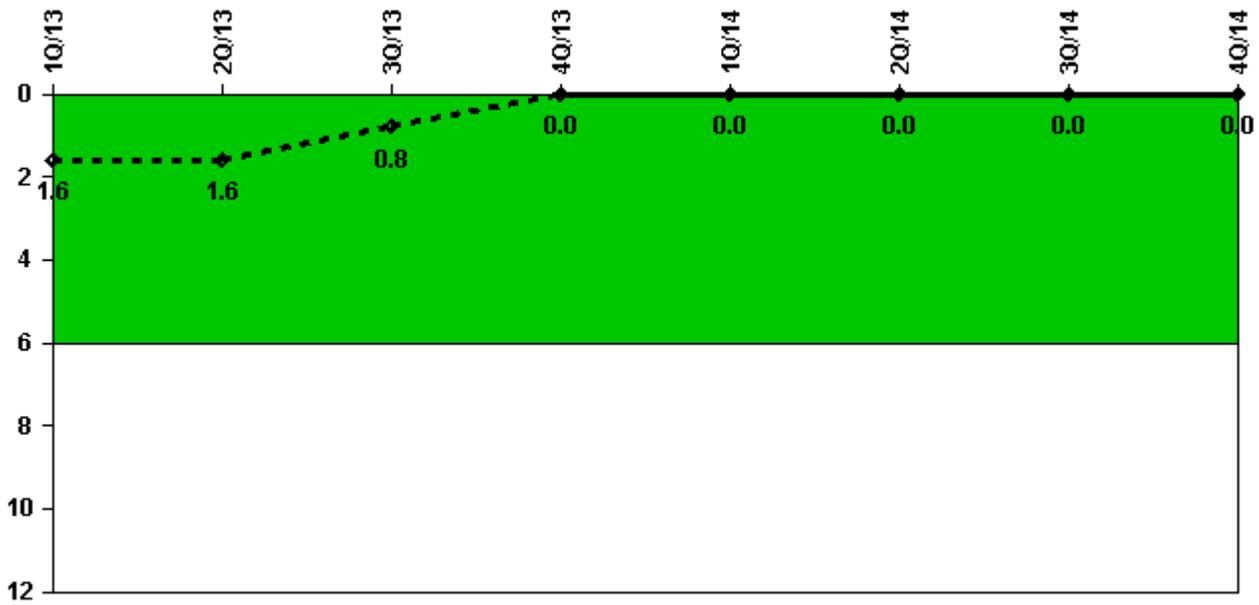
Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1511.6	2037.4	2208.0	2209.0
Indicator value	1.6	0.8	0	0	0.9	0.9	0.9	0.9

Licensee Comments:

1Q/14: 7/17/14- Critical hours changed by one minute due to a correction for time of breaker close from the manual shutdown which occurred on March 4, 2014. The breaker remained open and continued into the Refuel outage for the remainder of March into April. No color or threshold change was impacted by the correction.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

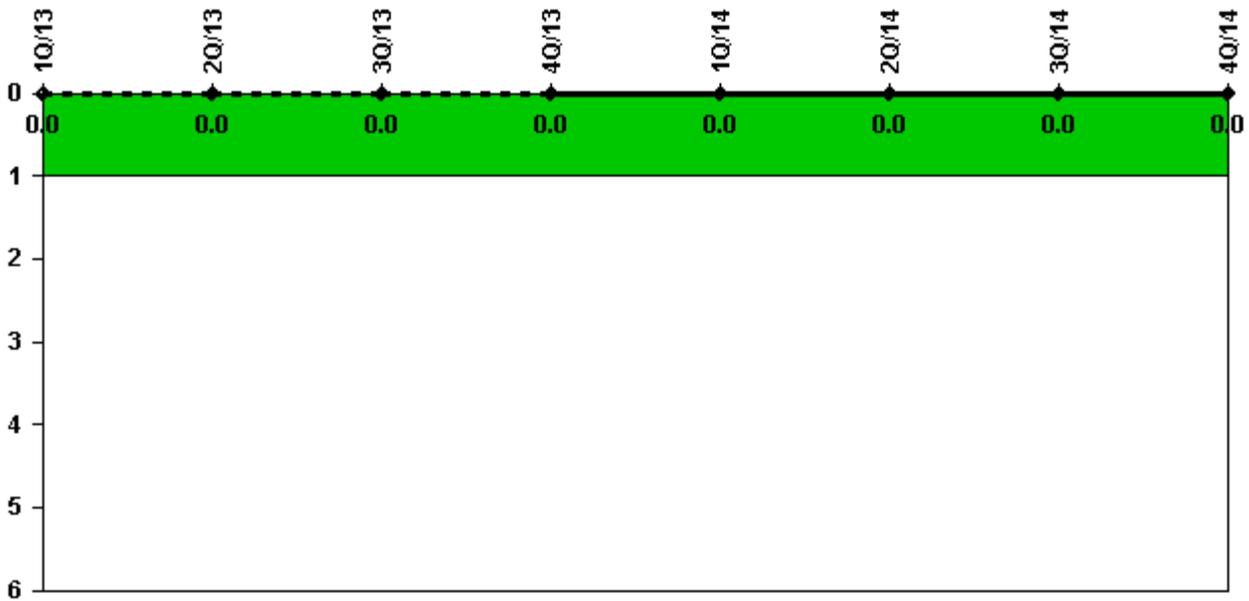
Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1511.6	2037.4	2208.0	2209.0
Indicator value	1.6	1.6	0.8	0	0	0	0	0

Licensee Comments:

1Q/14: 7/17/14- Critical hours changed by one minute due to a correction for time of breaker close from the manual shutdown which occurred on March 4, 2014. The breaker remained open and continued into the Refuel outage for the remainder of March into April. No color or threshold change was impacted by the correction.

Unplanned Scrams with Complications



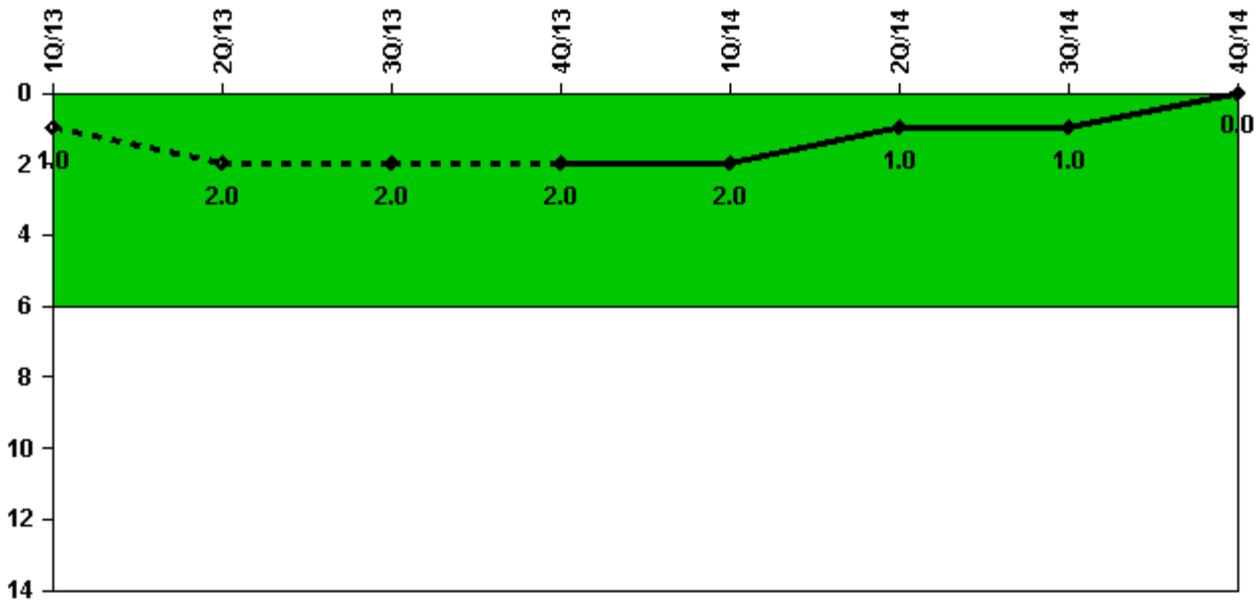
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

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

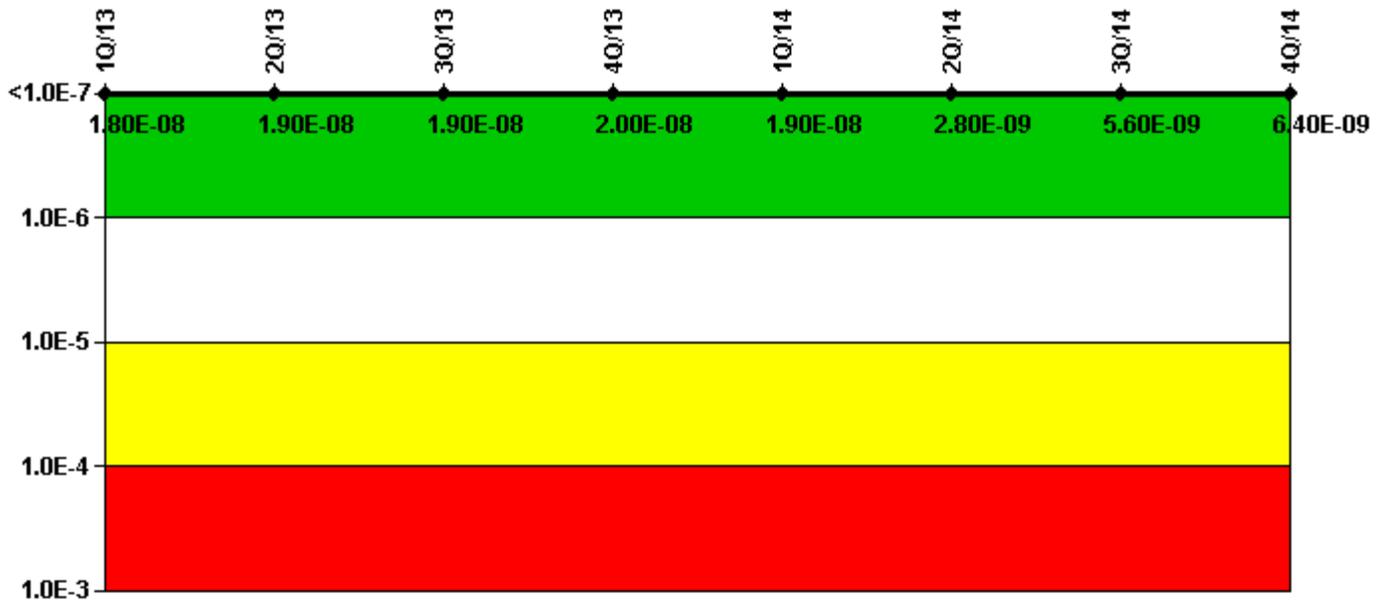
Licensee Comments:

4Q/13: LER 2013-002 - LGS Unit 1 and Unit 2, Condition That Could Have Prevented Fullfillment of the Offsite Power Safety Function, was issued on 10/04/13 and occurred on 8/05/13. No PI threshold or color change resulted from this event.

2Q/13: LER 2013-001- LGS Unit 1 HPCI Pressure Switch Oil Leak was issued on 5/20/2013 and occurred on 3/20/2013. No PI threshold or color change resulted from this event.

2Q/13: LER 1-13-001- LGS Unit 1 HPCI Pressure Switch Oil Leak was issued on 5/20/2013 and occurred on 3/20/2013. No PI threshold or color change resulted from this event.

Mitigating Systems Performance Index, Emergency AC Power System



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

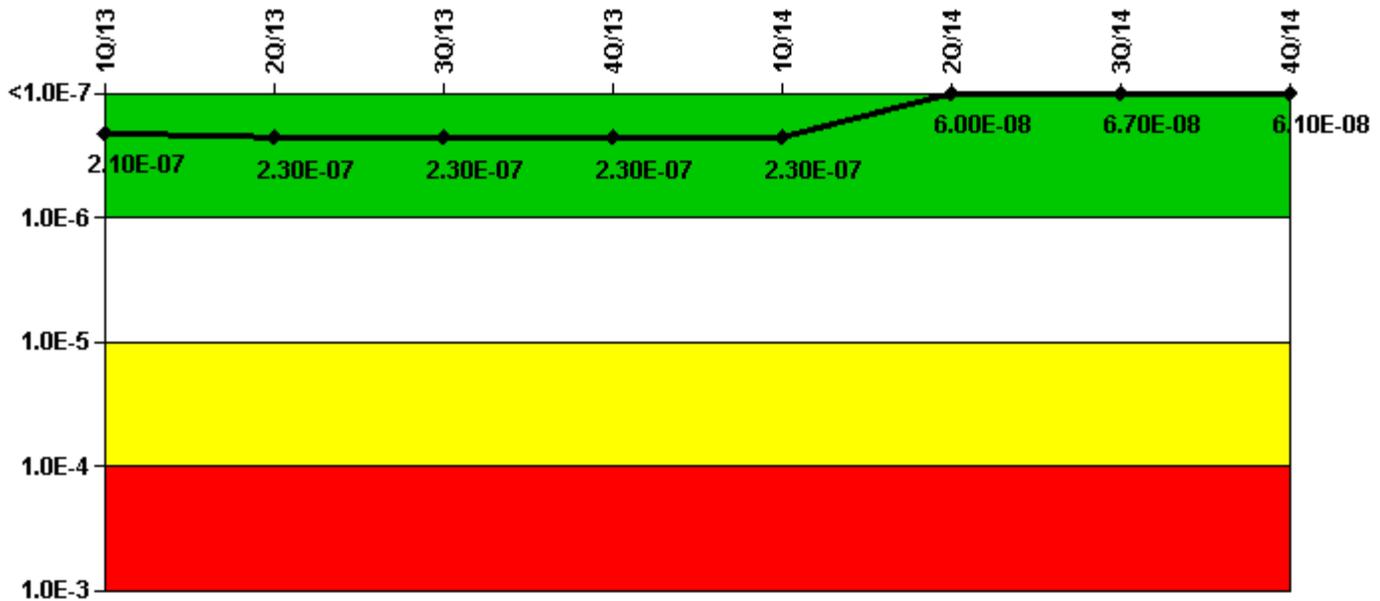
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	4.86E-09	5.66E-09	2.43E-09	2.67E-09	3.21E-09	5.55E-10	7.76E-10	5.75E-10
URI (Δ CDF)	1.28E-08	1.29E-08	1.61E-08	1.69E-08	1.59E-08	2.22E-09	4.84E-09	5.86E-09
PLE	NO							
Indicator value	1.80E-08	1.90E-08	1.90E-08	2.00E-08	1.90E-08	2.80E-09	5.60E-09	6.40E-09

Licensee Comments:

2Q/14: 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

Mitigating Systems Performance Index, High Pressure Injection System



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

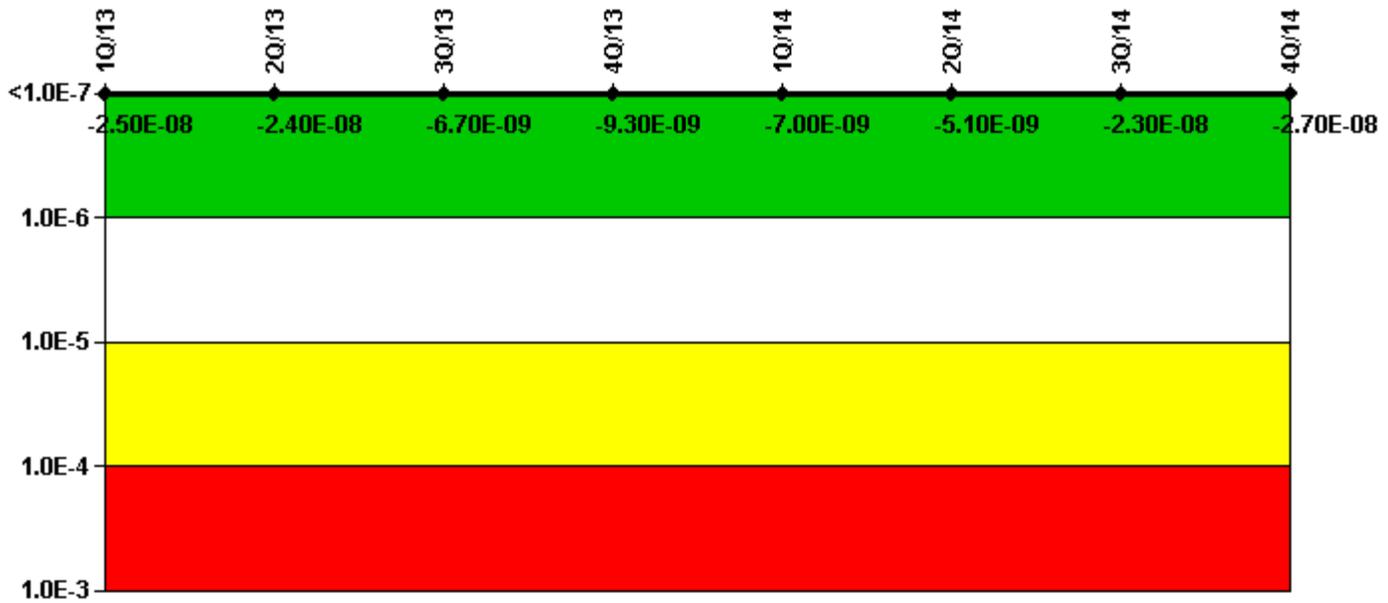
Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	3.99E-08	6.13E-08	6.18E-08	5.43E-08	5.70E-08	-7.28E-09	-1.19E-09	-6.27E-09
URI (ΔCDF)	1.71E-07	1.71E-07	1.71E-07	1.71E-07	1.71E-07	6.77E-08	6.77E-08	6.77E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.10E-07	2.30E-07	2.30E-07	2.30E-07	2.30E-07	6.00E-08	6.70E-08	6.10E-08

Licensee Comments:

2Q/14: 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

Mitigating Systems Performance Index, Heat Removal System



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

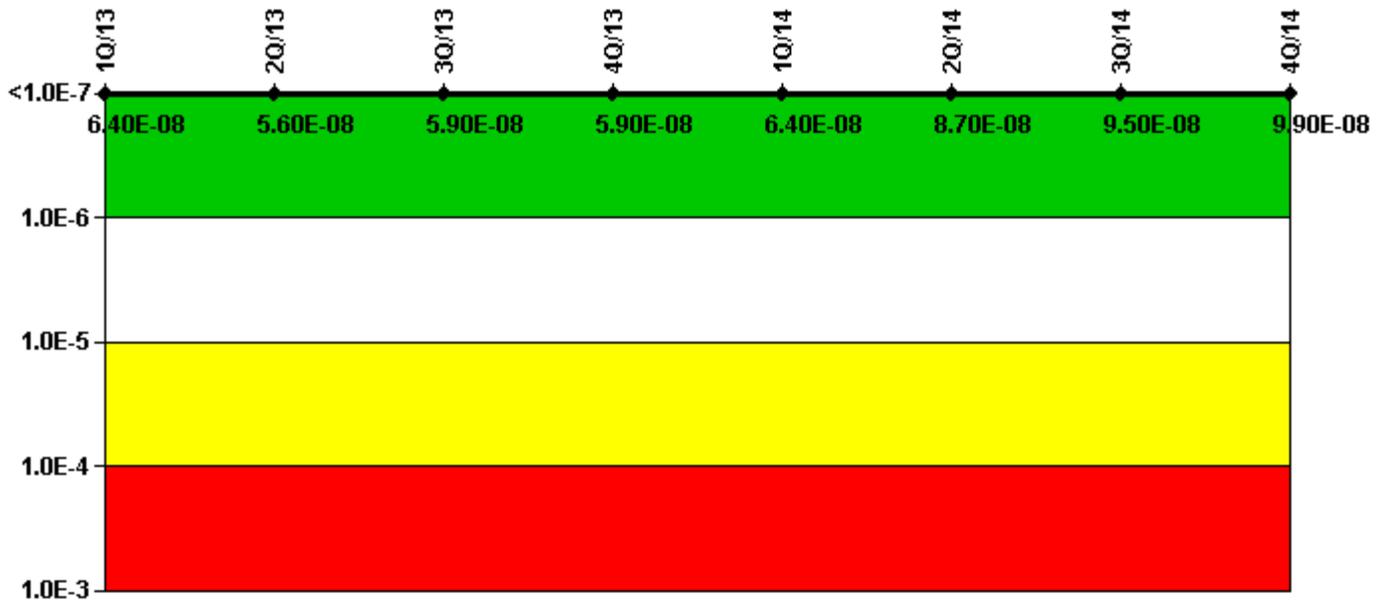
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	2.55E-09	2.92E-09	2.07E-08	1.81E-08	2.03E-08	1.47E-08	-2.99E-09	-6.76E-09
URI (Δ CDF)	-2.73E-08	-2.73E-08	-2.73E-08	-2.73E-08	-2.73E-08	-1.98E-08	-1.98E-08	-1.98E-08
PLE	NO							
Indicator value	-2.50E-08	-2.40E-08	-6.70E-09	-9.30E-09	-7.00E-09	-5.10E-09	-2.30E-08	-2.70E-08

Licensee Comments:

2Q/14: 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

Mitigating Systems Performance Index, Residual Heat Removal System



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

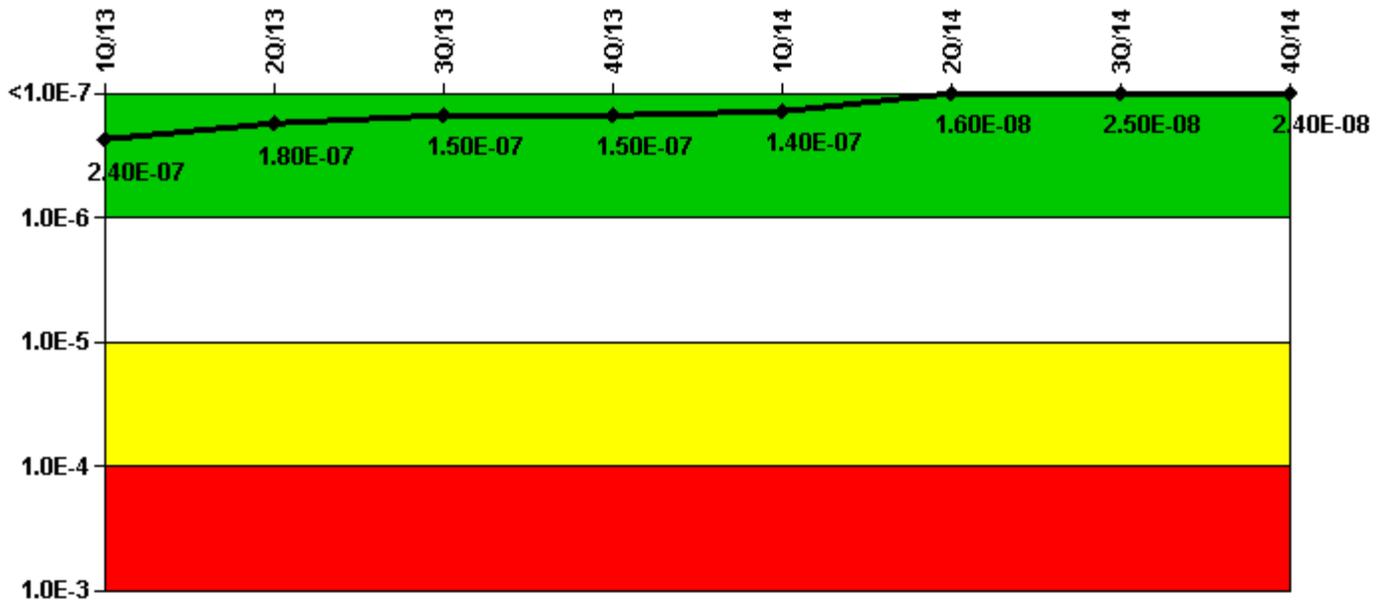
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	6.54E-08	5.78E-08	6.06E-08	6.06E-08	6.53E-08	1.01E-07	1.08E-07	1.12E-07
URI (Δ CDF)	-1.77E-09	-1.63E-09	-1.63E-09	-1.62E-09	-1.76E-09	-1.32E-08	-1.32E-08	-1.27E-08
PLE	NO							
Indicator value	6.40E-08	5.60E-08	5.90E-08	5.90E-08	6.40E-08	8.70E-08	9.50E-08	9.90E-08

Licensee Comments:

2Q/14: 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

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/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	2.72E-07	2.06E-07	1.80E-07	1.79E-07	1.64E-07	5.50E-08	6.29E-08	6.03E-08
URI (ΔCDF)	-2.96E-08	-2.92E-08	-2.86E-08	-2.83E-08	-2.82E-08	-3.86E-08	-3.78E-08	-3.68E-08
PLE	NO							
Indicator value	2.40E-07	1.80E-07	1.50E-07	1.50E-07	1.40E-07	1.60E-08	2.50E-08	2.40E-08

Licensee Comments:

2Q/14: 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

2Q/14: 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

1Q/14: 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the

PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

1Q/14: Changed PRA Parameter(s). 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

4Q/13: Changed PRA Parameter(s). 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

4Q/13: 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

3Q/13: 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

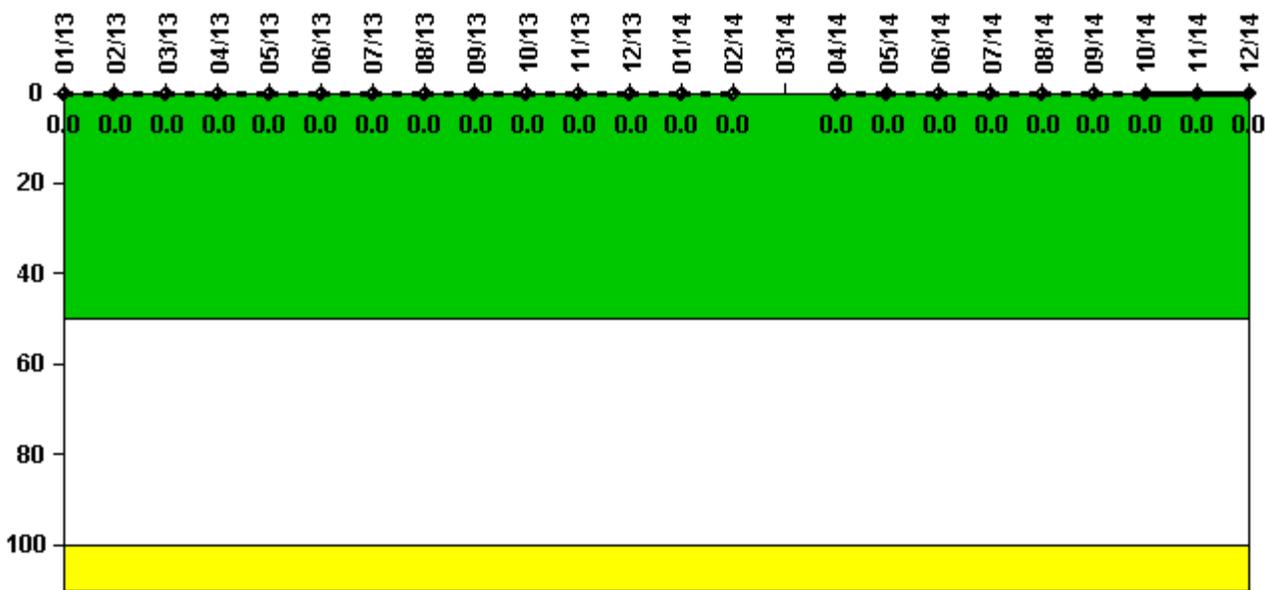
3Q/13: Changed PRA Parameter(s). 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

2Q/13: Changed PRA Parameter(s). 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

2Q/13: 07/17/14- The LG113A and LG213A PRA Models Revision was approved in January 2014 with a corresponding LG-MSPI-001 Basis Document Revision 5 approved on 06/24/14. The PRA model revision was a periodic update which included a data update and re-analysis of operator action dependency. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. No color or threshold changes were impacted by this update.

1Q/13: 10/20/14- Added 139.70 hours of planned unavailability in March 2013 to U1 ESW Return segments. An Engineering review identified an error in counting U1 ESW System unavailability incurred during RHRSW/ESW return piping replacement work on-line and during the U2 refuel outage 2R12. No threshold or color change is impacted by this data correction.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

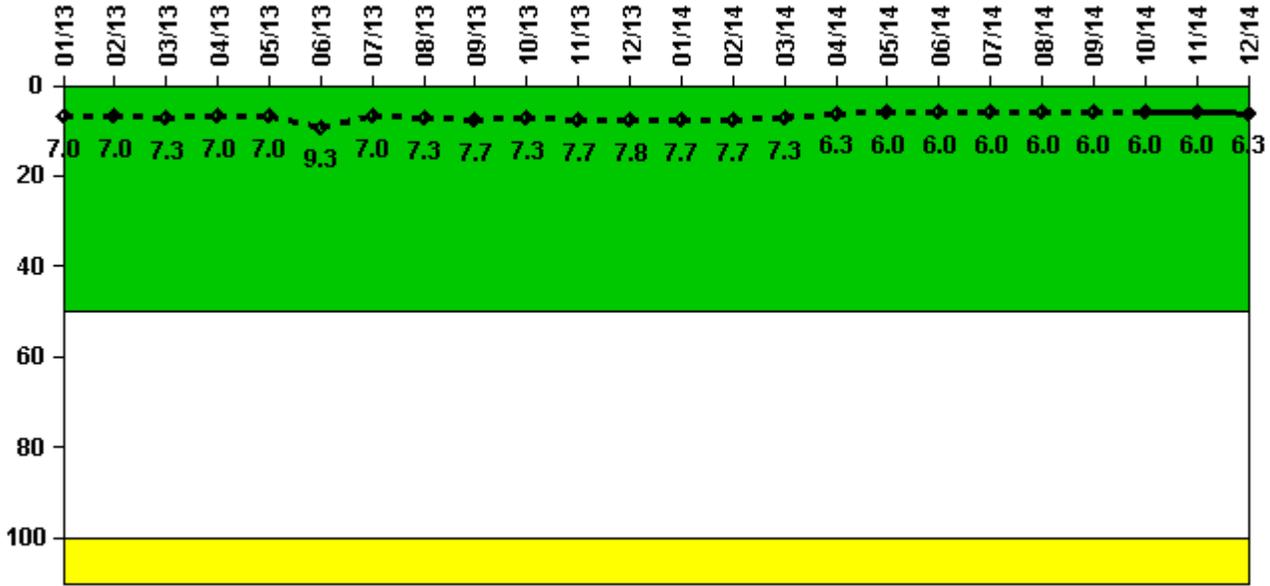
Reactor Coolant System Activity	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum activity	0.000003	0.000003	0.000003	0.000004	0.000004	0.000004	0.000003	0.000004	0.000004	0.000004	0.000004	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum activity	0.000003	0.000003	N/A	0.000002	0.000002	0.000003	0.000003	0.000003	0.000003	0.000004	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	N/A	0	0	0	0	0	0	0	0	0

Licensee Comments:

3/14: 1/15/15- Rx Coolant activity data was changed to N/A for March 2014. No steady state representative rx coolant sample was taken during the month. The unit was shutdown or refueling from March 4 through March 31, 2014. No color or threshold change is impacted by this correction.

Reactor Coolant System Leakage



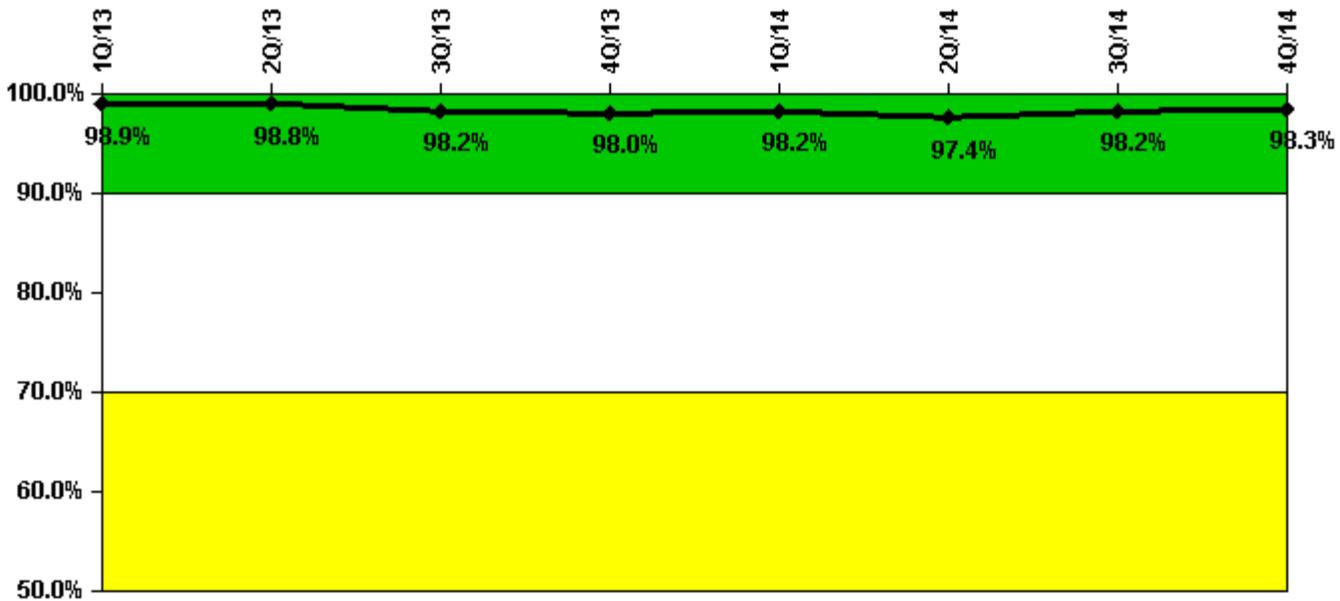
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	2.100	2.100	2.200	2.100	2.100	2.800	2.100	2.200	2.300	2.200	2.300	2.350
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	7.0	7.0	7.3	7.0	7.0	9.3	7.0	7.3	7.7	7.3	7.7	7.8
Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	2.300	2.300	2.200	1.900	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.900
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	7.7	7.7	7.3	6.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

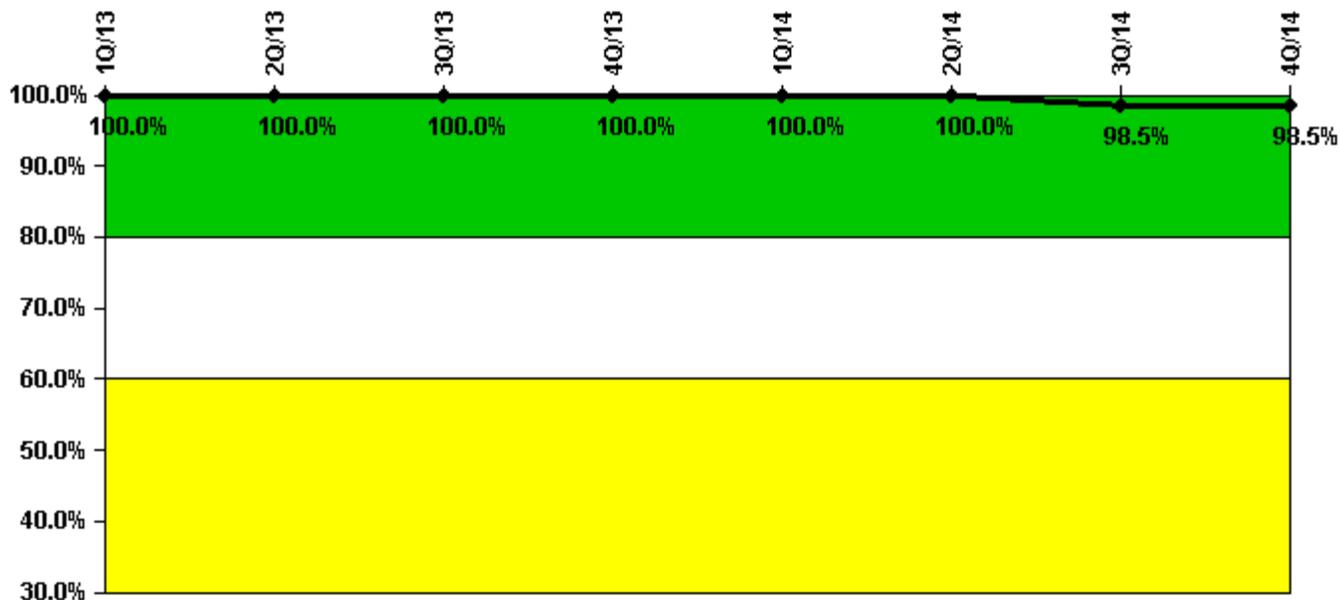
Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	24.0	12.0	43.0	30.0	38.0	57.0	42.0	37.0
Total opportunities	24.0	12.0	45.0	31.0	38.0	59.0	42.0	37.0
Indicator value	98.9%	98.8%	98.2%	98.0%	98.2%	97.4%	98.2%	98.3%

Licensee Comments:

3Q/14: 1/15/15- ERO Drill Exercise data was corrected. The previously submitted Drill Exercise opportunities in September 2014 had actually occurred in October 2014. No color change or threshold impact resulted from the correction.

3Q/13: 3rd quarter 2013 Drill Exercise and Event Opportunities was changed from from 8 to 5 due to Emergency Offsite Facility Opportunities being reported in September when they should have been reported in October. No color or threshold changes occurred as a result of this correction.

ERO Drill Participation



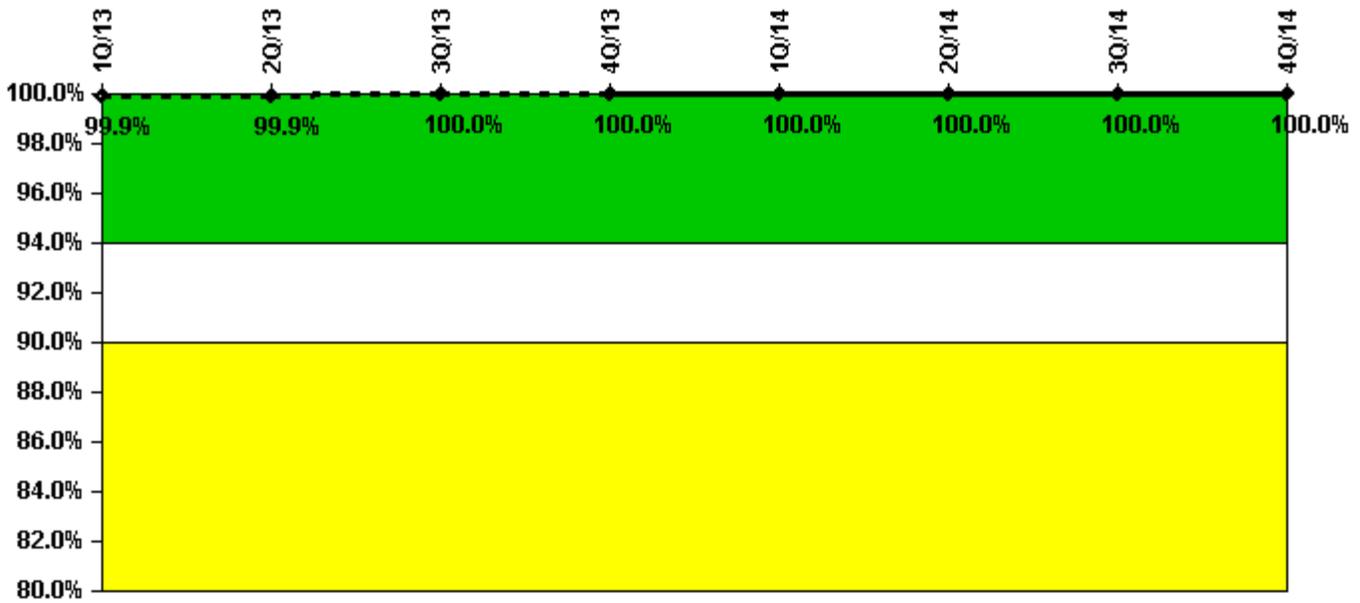
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Participating Key personnel	68.0	68.0	66.0	63.0	64.0	65.0	66.0	66.0
Total Key personnel	68.0	68.0	66.0	63.0	64.0	65.0	67.0	67.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	98.5%	98.5%

Licensee Comments: none

Alert & Notification System



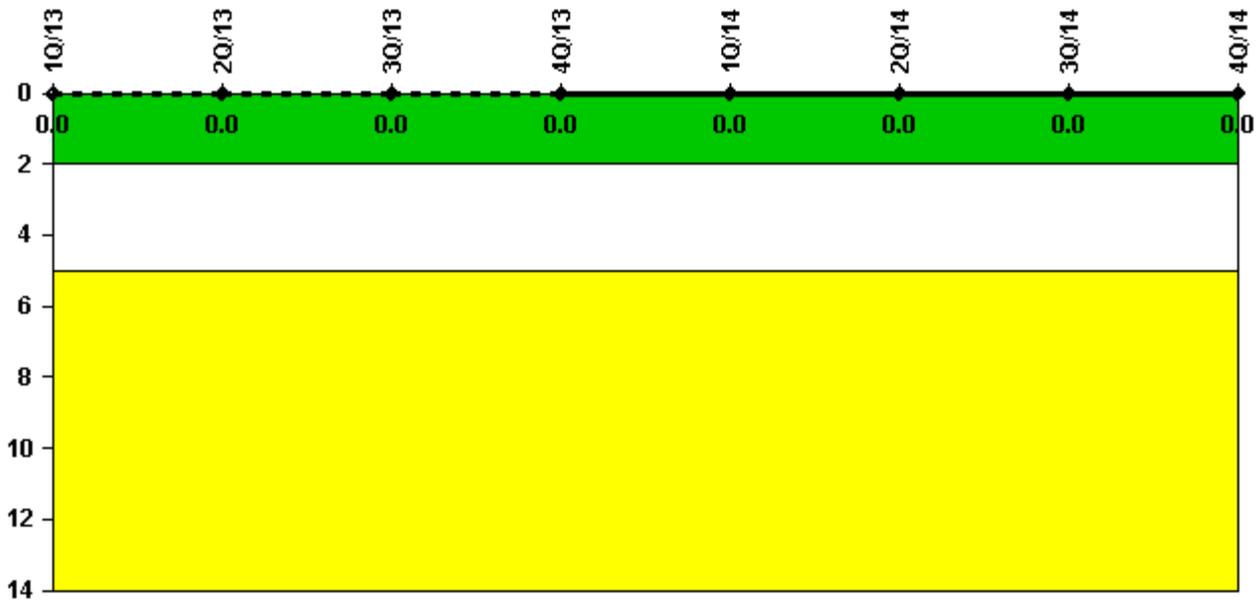
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	1980	2145	2310	2144	2143	2144	2145	2144
Total sirens-tests	1980	2145	2310	2145	2145	2145	2145	2145
Indicator value	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



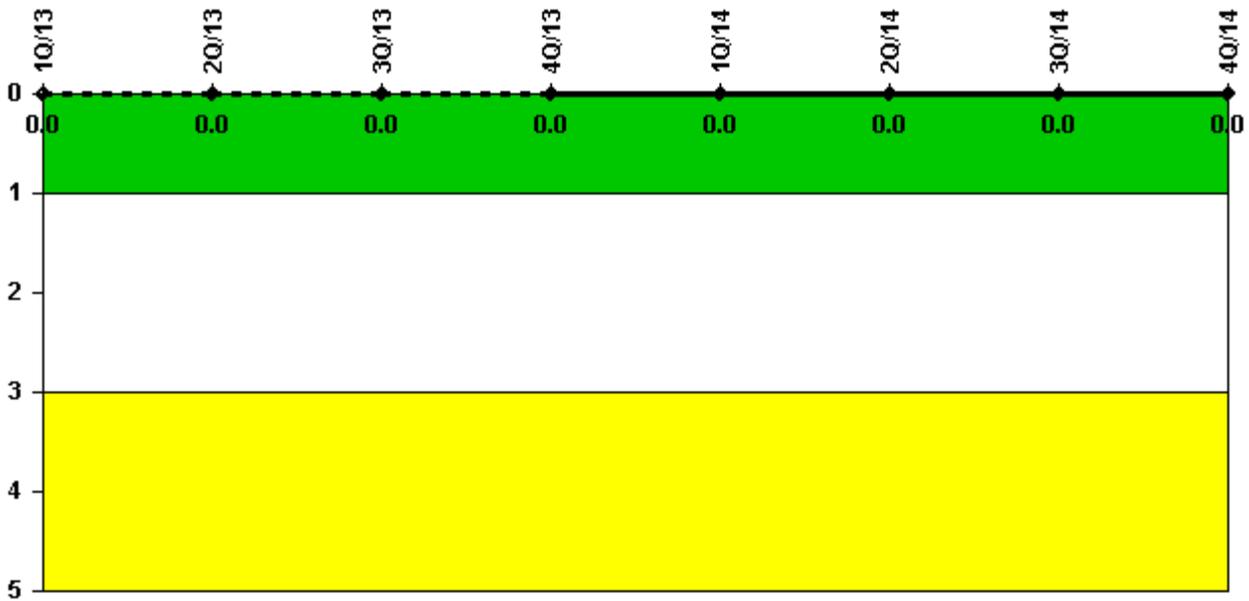
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/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	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/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: February 3, 2015