

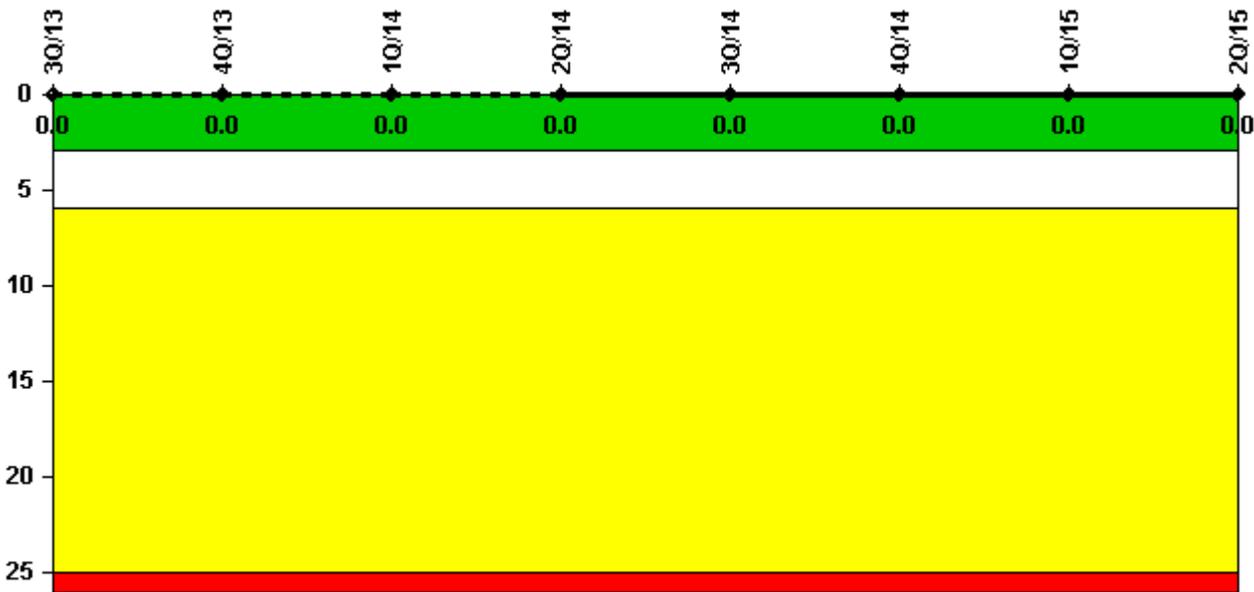
Brunswick 1

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Planned unavailable hours for two components during two different time periods were updated based on a review of Operations logs. Planned unavailable hours were added to the 1B CSW pump for Jan. 2015 and the 1A CSW pump for Sept. 2014. None of these changes affected the "color" of the indicator.

Unplanned Scrams per 7000 Critical Hrs



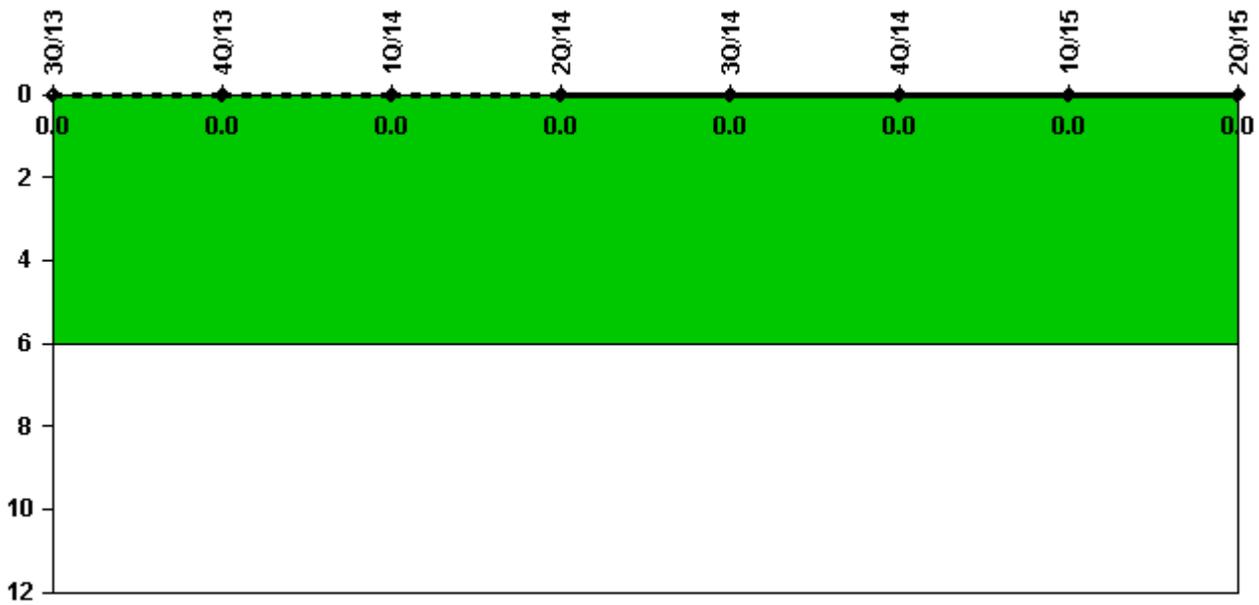
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1414.7	1962.3	2208.0	2209.0	2159.0	2184.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



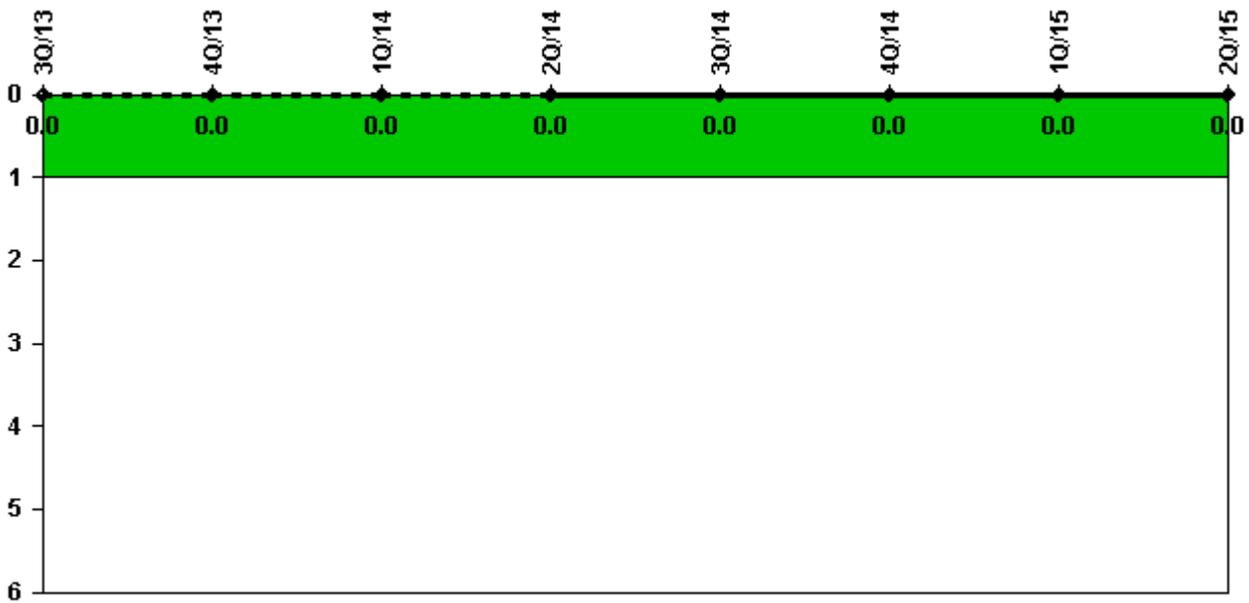
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1414.7	1962.3	2208.0	2209.0	2159.0	2184.0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



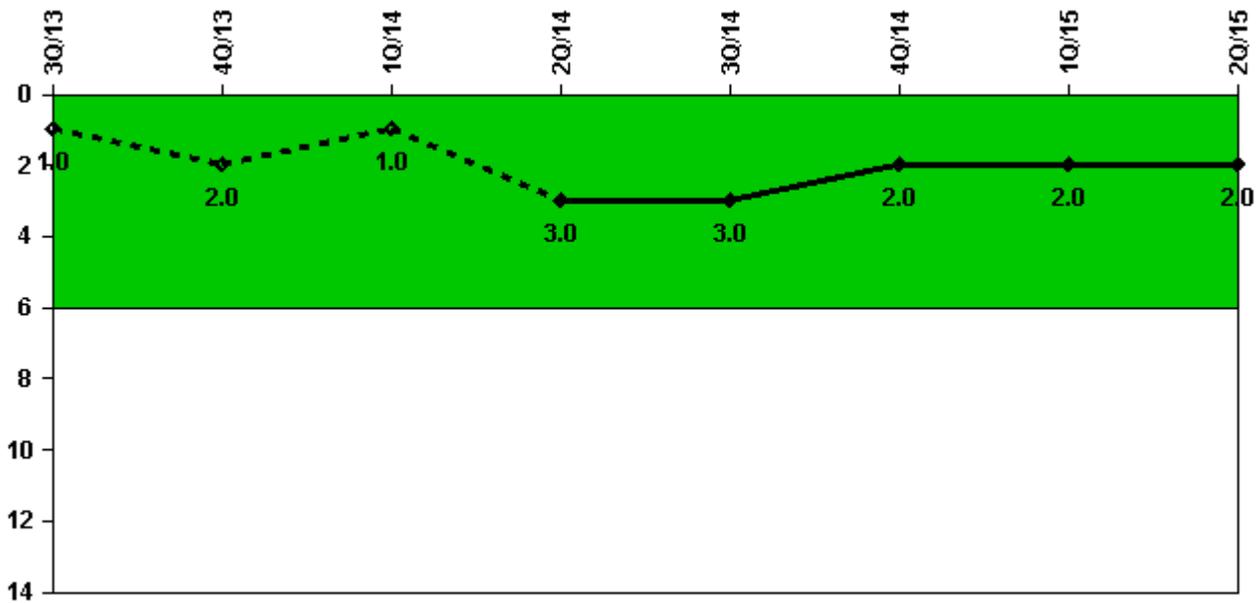
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
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)	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Safety System Functional Failures	0	1	0	2	0	0	0	2
Indicator value	1	2	1	3	3	2	2	2

Licensee Comments:

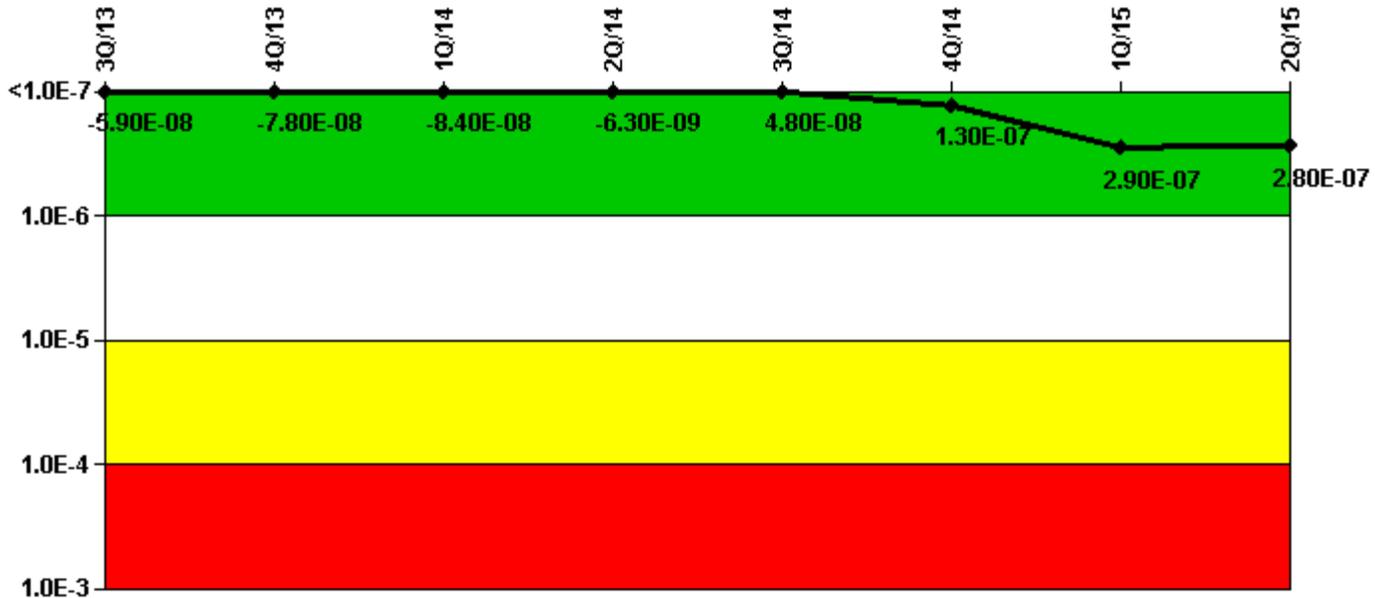
2Q/15: LER 1-2015-001, dated 4/10/15, reported one event where the failure of the associated Auxiliary Oil pump for the HPCI system rendered the system inoperable and was considered a SSFF. LER 1-2015-002, dated 5/20/15, reported one event where DG3 and DG4 were simultaneously inoperable and considered a SSFF for the onsite standby AC power source. LER 1-2015-002 counted for both Unit 1 and Unit 2.

2Q/14: LER 1-2014-003, dated 5/19/14 reported two events where simultaneous opening of the secondary containment airlock doors resulted in a SSFF. Additionally, a SSFF reported in November 2013 was removed based on the retraction of LER 1-2013-003 by letter dated 6/13/14. A change file was created in June 2014. These changes did not affect the "color" of the indicator.

2Q/14: LER 1-2014-003, dated 5/19/14 reported two events where simultaneous opening of the secondary containment airlock doors resulted in a SSFF. Additionally, a SSFF reported in November 2013 was removed based on the retraction of LER 1-2013-003 by letter dated 6/13/14. A change file was created in June 2014.

4Q/13: LER 1-02013-003 was submitted on 11/14/2013 for operation prohibited by Tech Specs when past operability evaluation determined that the Service Water system for both Unit 1 and Unit 2 may have not been able to perform its safety function due to postulated flooding.

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/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	1.33E-08	4.55E-08	3.89E-08	4.68E-08	4.17E-08	5.61E-08	1.40E-07	1.29E-07
URI (Δ CDF)	-7.21E-08	-1.24E-07	-1.23E-07	-5.31E-08	6.78E-09	7.64E-08	1.45E-07	1.46E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.90E-08	-7.80E-08	-8.40E-08	-6.30E-09	4.80E-08	1.30E-07	2.90E-07	2.80E-07

Licensee Comments:

3Q/14: EDG test was not recognized as unavailability in August 2014. This was corrected in November 2014. This change does not affect the "color" of the indicator.

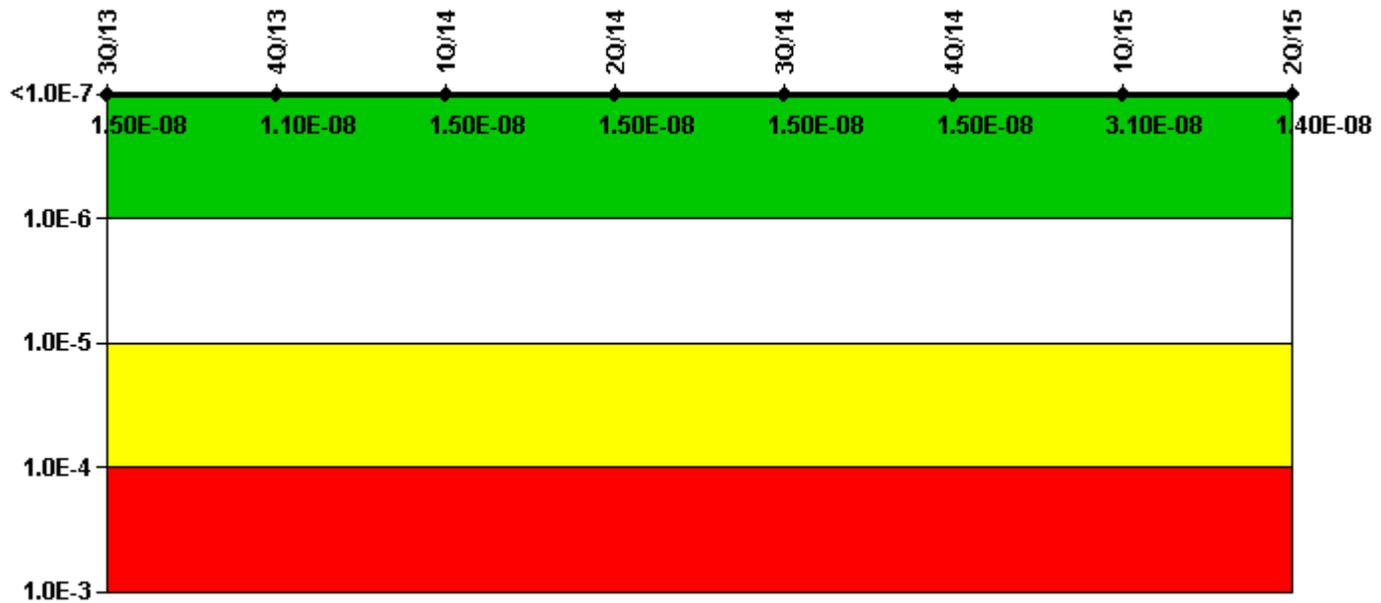
1Q/14: PRA parameters were not changed for this quarter. Only the CDF was verified and approved in January 2014 for the 4Q 2013 submittal.

1Q/14: Changed PRA Parameter(s). PRA parameters were not changed for this quarter. Only the CDF was verified and approved in January 2014 for the 4Q 2013 submittal.

4Q/13: Changed PRA Parameter(s). The plants PRA model was revised in the 3rd quarter of 2013. The MSPI Basis Document was revised in the 4th quarter of 2013, and the resulting new MSPI coefficients were entered

into CDE for the applicable systems. New MSPI coefficients existed on all five MSPI systems, along with change to the CDF.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

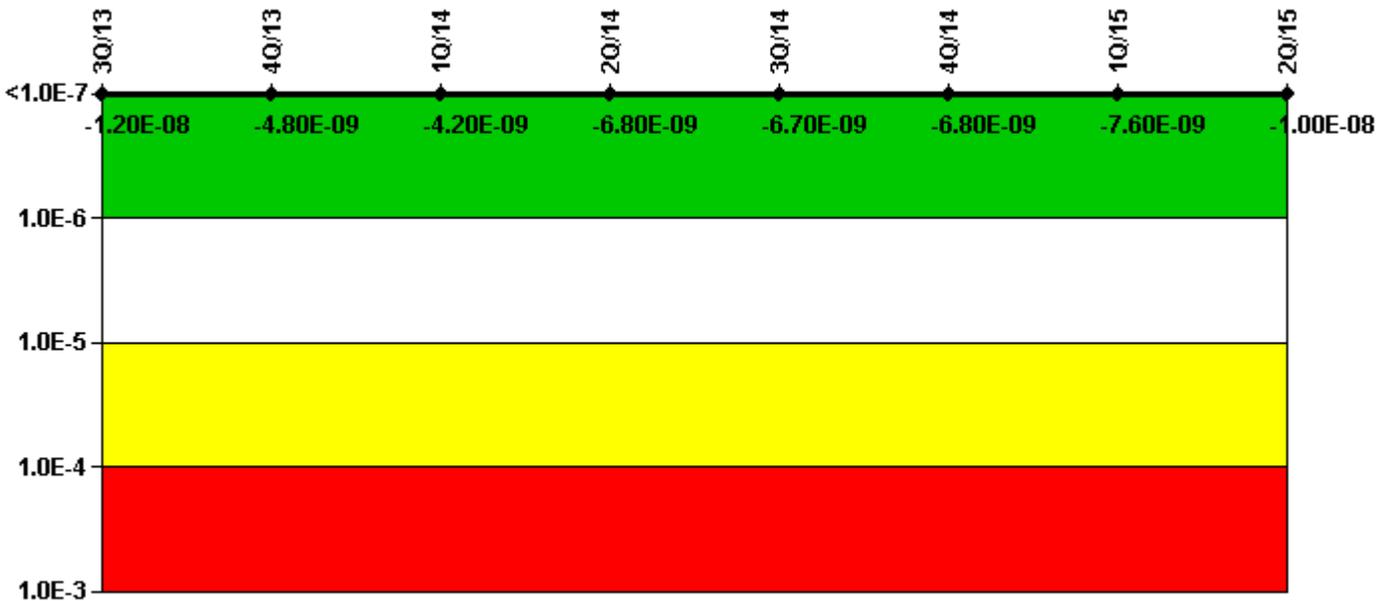
Mitigating Systems Performance Index, High Pressure Injection System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	5.12E-09	3.44E-09	7.73E-09	7.50E-09	7.86E-09	7.53E-09	9.55E-09	6.87E-09
URI (Δ CDF)	9.54E-09	7.25E-09	7.25E-09	7.25E-09	7.25E-09	7.25E-09	2.10E-08	7.25E-09
PLE	NO							
Indicator value	1.50E-08	1.10E-08	1.50E-08	1.50E-08	1.50E-08	1.50E-08	3.10E-08	1.40E-08

Licensee Comments:

1Q/14: Changed PRA Parameter(s). PRA parameters were not changed for this quarter. Only the CDF was verified and approved in January 2014 for the 4Q 2013 submittal.

4Q/13: Changed PRA Parameter(s). The plants PRA model was revised in the 3rd quarter of 2013. The MSPI Basis Document was revised in the 4th quarter of 2013, and the resulting new MSPI coefficients were entered into CDE for the applicable systems. New MSPI coefficients existed on all five MSPI systems, along with change to the CDF.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

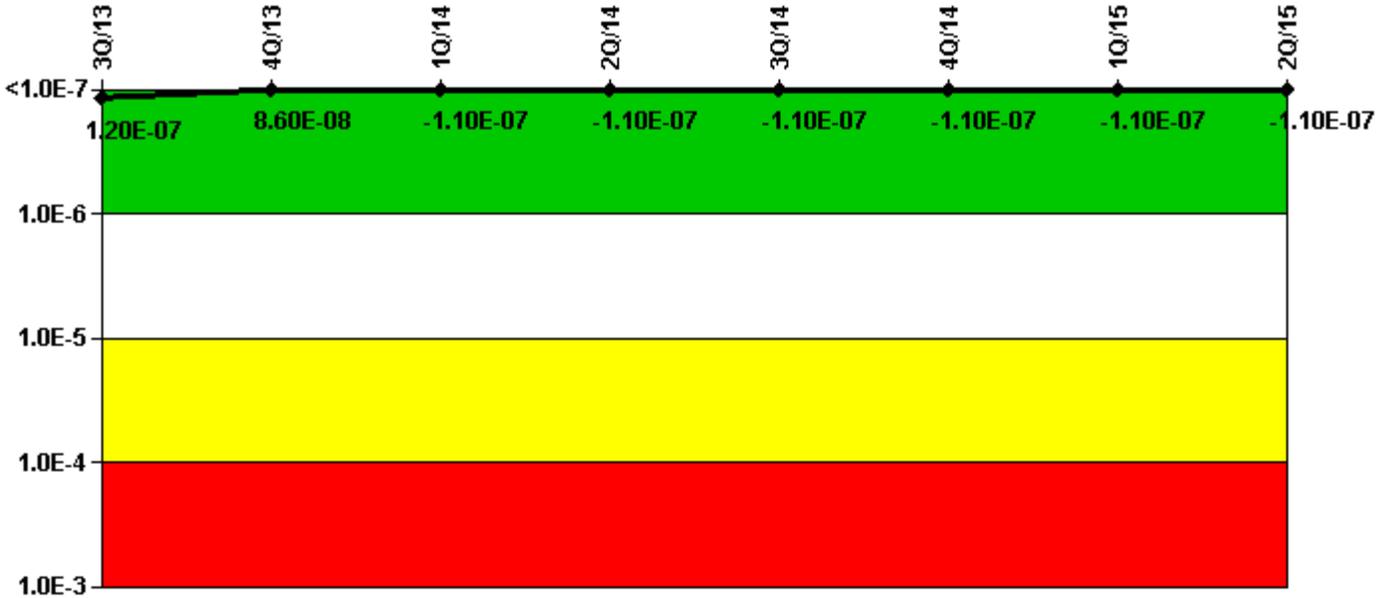
Mitigating Systems Performance Index, Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	1.95E-09	5.38E-09	5.99E-09	3.44E-09	3.48E-09	3.43E-09	2.64E-09	-2.23E-10
URI (Δ CDF)	-1.42E-08	-1.02E-08						
PLE	NO							
Indicator value	-1.20E-08	-4.80E-09	-4.20E-09	-6.80E-09	-6.70E-09	-6.80E-09	-7.60E-09	-1.00E-08

Licensee Comments:

1Q/14: Changed PRA Parameter(s). PRA parameters were not changed for this quarter. Only the CDF was verified and approved in January 2014 for the 4Q 2013 submittal.

4Q/13: Changed PRA Parameter(s). The plants PRA model was revised in the 3rd quarter of 2013. The MSPI Basis Document was revised in the 4th quarter of 2013, and the resulting new MSPI coefficients were entered into CDE for the applicable systems. New MSPI coefficients existed on all five MSPI systems, along with change to the CDF.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

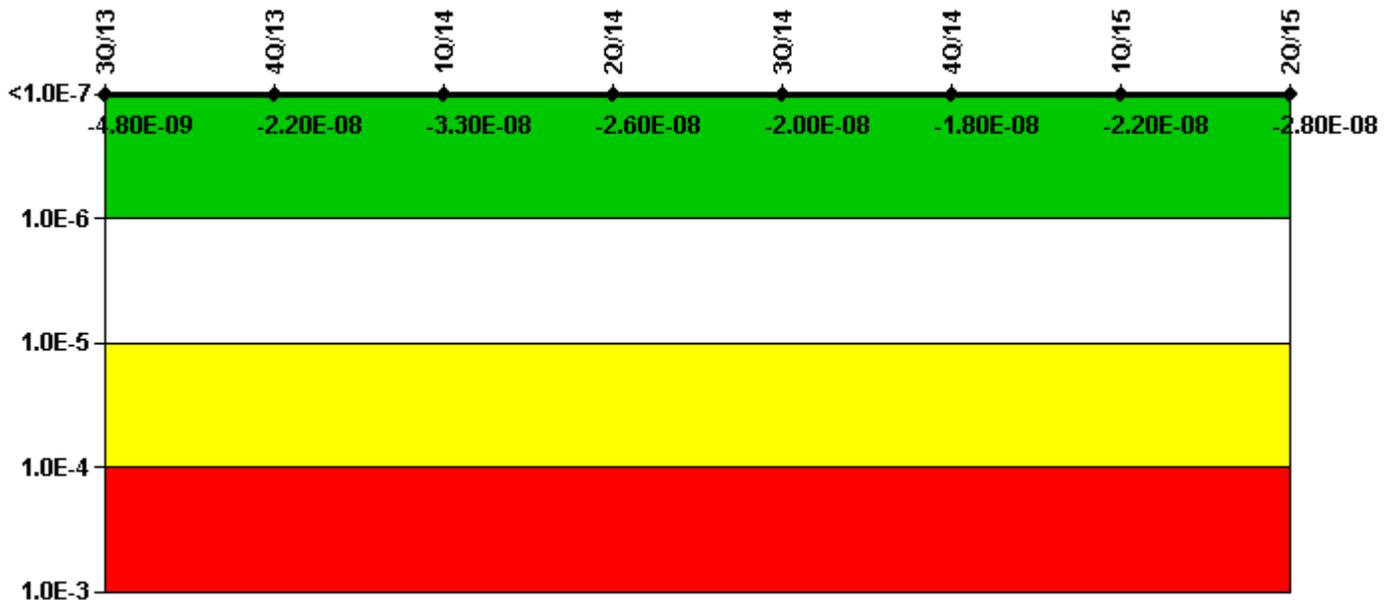
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	4.25E-08	1.46E-08	-3.45E-08	-3.45E-08	-3.45E-08	-3.45E-08	-3.45E-08	-3.45E-08
URI (Δ CDF)	7.52E-08	7.17E-08	-7.13E-08	-7.13E-08	-7.13E-08	-7.13E-08	-7.13E-08	-7.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.20E-07	8.60E-08	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07

Licensee Comments:

1Q/14: Changed PRA Parameter(s). PRA parameters were not changed for this quarter. Only the CDF was verified and approved in January 2014 for the 4Q 2013 submittal.

4Q/13: Changed PRA Parameter(s). The plants PRA model was revised in the 3rd quarter of 2013. The MSPI Basis Document was revised in the 4th quarter of 2013, and the resulting new MSPI coefficients were entered into CDE for the applicable systems. New MSPI coefficients existed on all five MSPI systems, along with change to the CDF.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

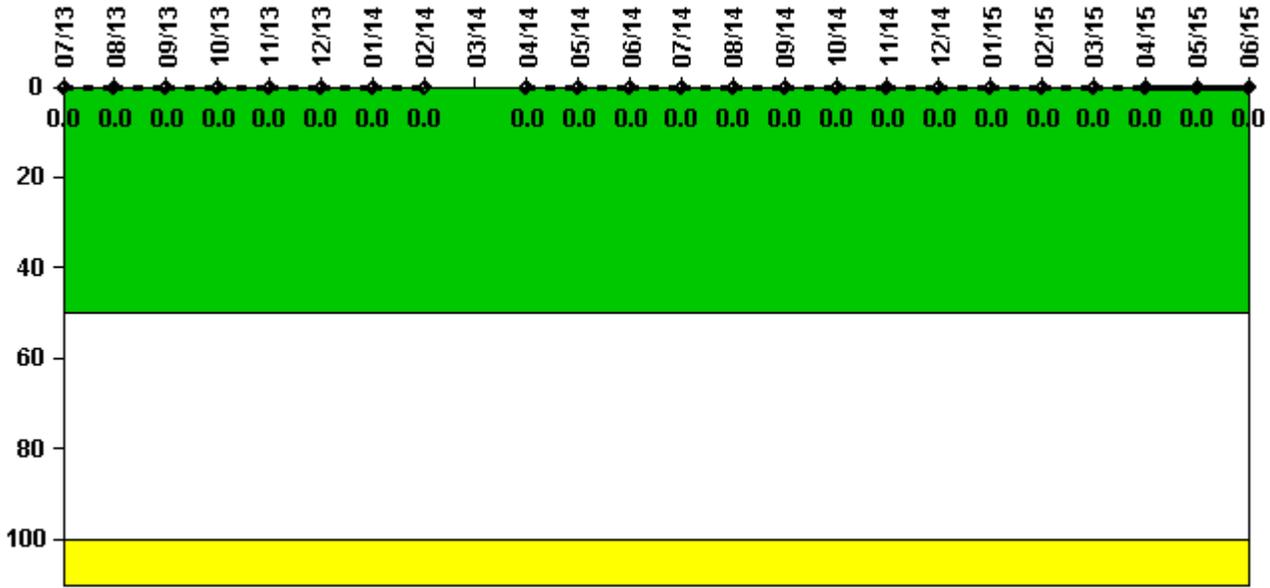
Mitigating Systems Performance Index, Cooling Water Systems	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	-9.98E-10	3.13E-09	-7.84E-09	-7.21E-09	-1.20E-09	1.09E-09	-2.66E-09	-9.05E-09
URI (Δ CDF)	-3.82E-09	-2.49E-08	-2.50E-08	-1.89E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08
PLE	NO							
Indicator value	-4.80E-09	-2.20E-08	-3.30E-08	-2.60E-08	-2.00E-08	-1.80E-08	-2.20E-08	-2.80E-08

Licensee Comments:

1Q/14: Changed PRA Parameter(s). PRA parameters were not changed for this quarter. Only the CDF was verified and approved in January 2014 for the 4Q 2013 submittal.

4Q/13: Changed PRA Parameter(s). The plants PRA model was revised in the 3rd quarter of 2013. The MSPI Basis Document was revised in the 4th quarter of 2013, and the resulting new MSPI coefficients were entered into CDE for the applicable systems. New MSPI coefficients existed on all five MSPI systems, along with change to the CDF.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

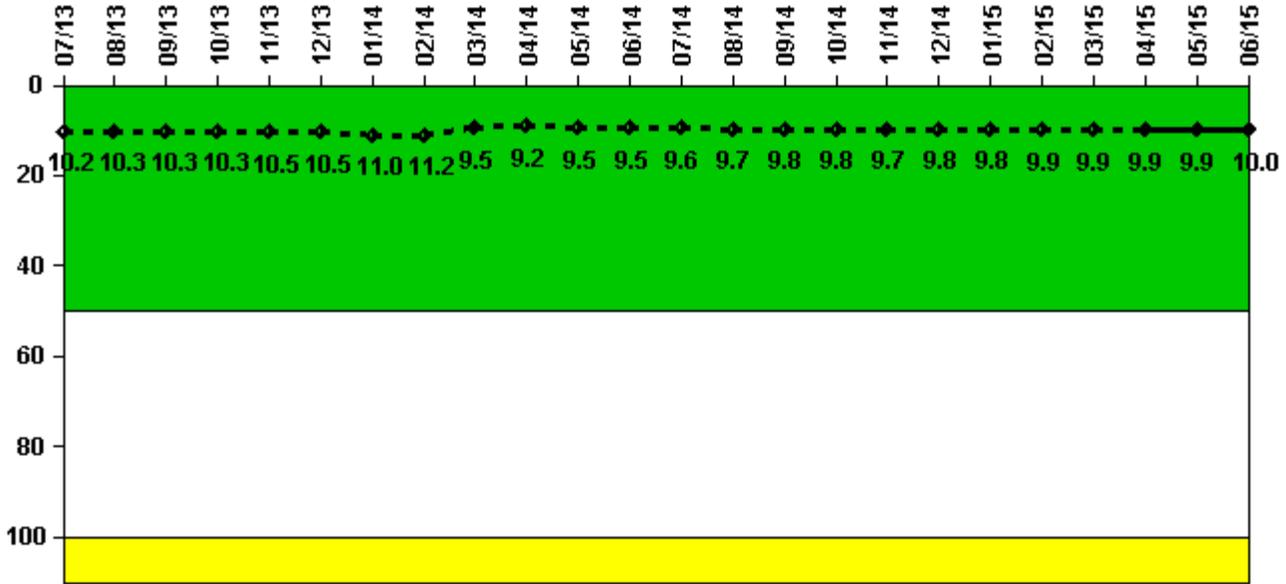
Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	0.000056	0.000048	0.000046	0.000052	0.000047	0.000047	0.000047	0.000048	N/A	0.000037	0.000036	0.000037
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	N/A	0	0	0

Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum activity	0.000034	0.000038	0.000034	0.000032	0.000030	0.000030	0.000032	0.000037	0.000036	0.000034	0.000046	0.000036
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:

3/14: Unit 1 was in refueling outage (B120R1) for the entire month of March.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

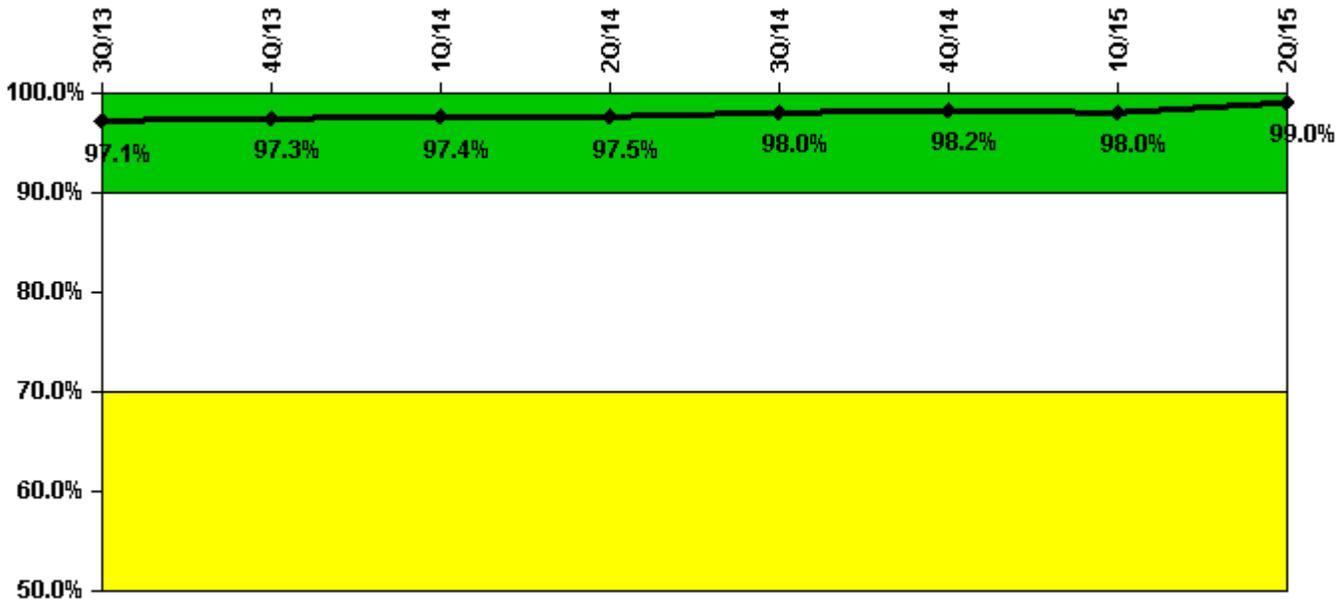
Notes

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	2.560	2.580	2.583	2.579	2.624	2.633	2.748	2.800	2.371	2.293	2.385	2.385
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	10.2	10.3	10.3	10.3	10.5	10.5	11.0	11.2	9.5	9.2	9.5	9.5

Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	2.407	2.430	2.448	2.438	2.426	2.453	2.461	2.482	2.482	2.485	2.480	2.500
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	9.6	9.7	9.8	9.8	9.7	9.8	9.8	9.9	9.9	9.9	9.9	10.0

Licensee Comments: none

Drill/Exercise Performance



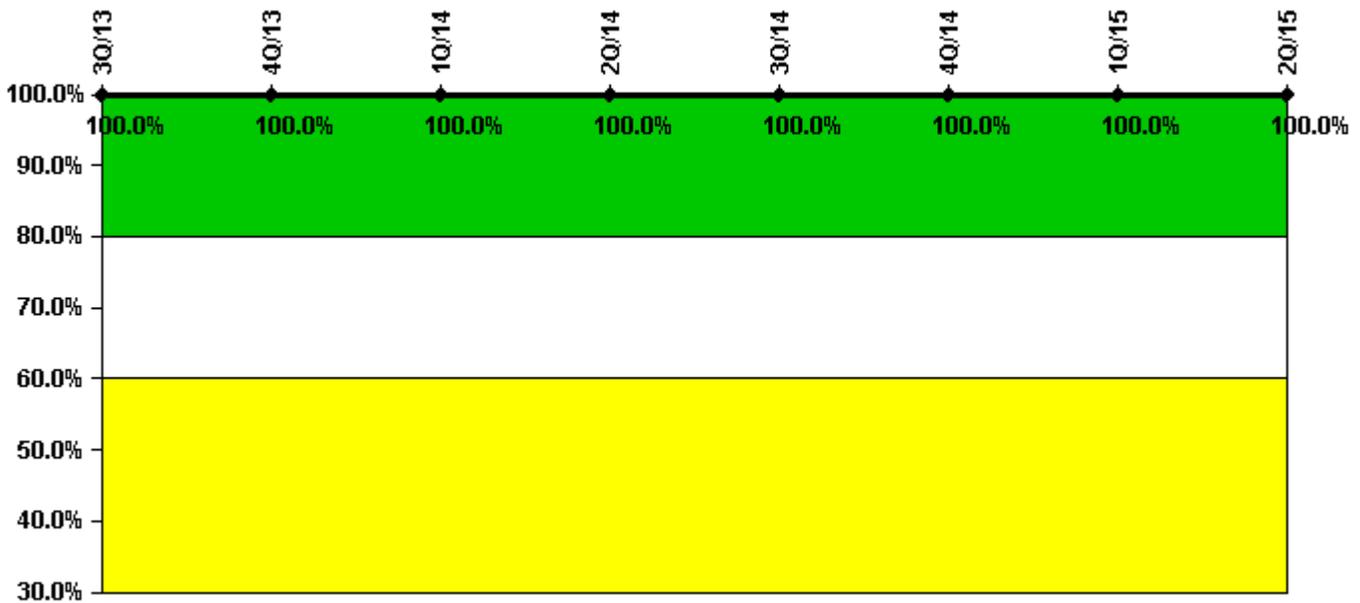
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful opportunities	18.0	54.0	20.0	22.0	33.0	19.0	8.0	21.0
Total opportunities	18.0	54.0	20.0	23.0	33.0	19.0	8.0	22.0
Indicator value	97.1%	97.3%	97.4%	97.5%	98.0%	98.2%	98.0%	99.0%

Licensee Comments: none

ERO Drill Participation



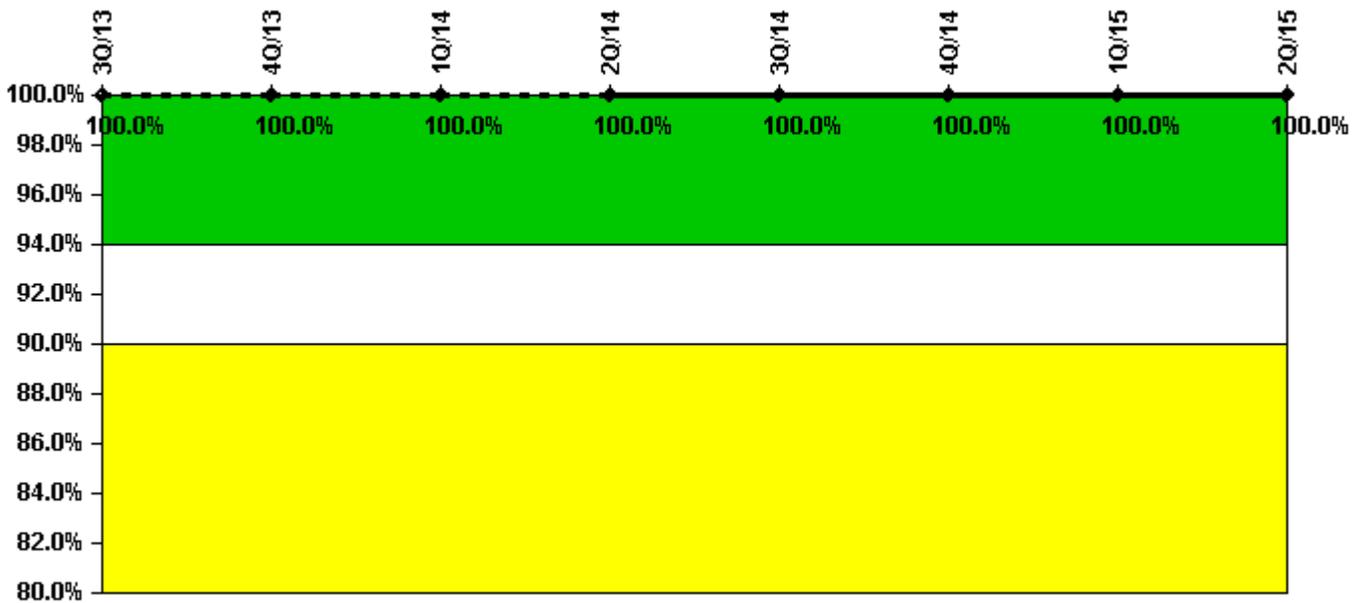
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Participating Key personnel	95.0	98.0	95.0	100.0	94.0	92.0	93.0	101.0
Total Key personnel	95.0	98.0	95.0	100.0	94.0	92.0	93.0	101.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



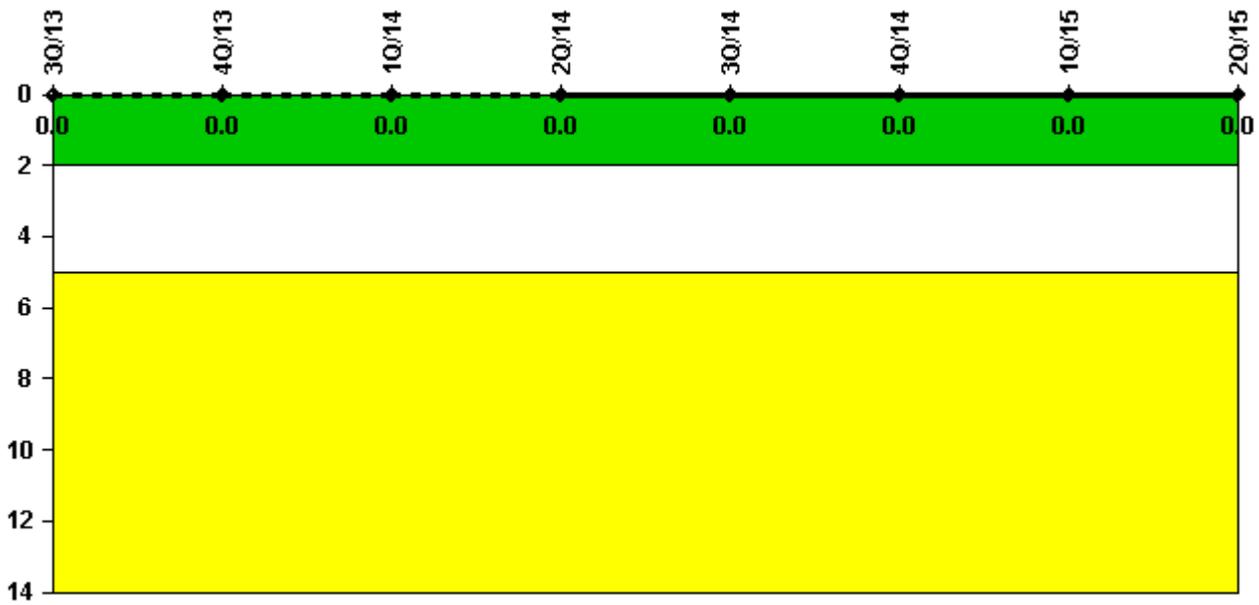
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	532	608	494	532	570	570	532	532
Total sirens-tests	532	608	494	532	570	570	532	532
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



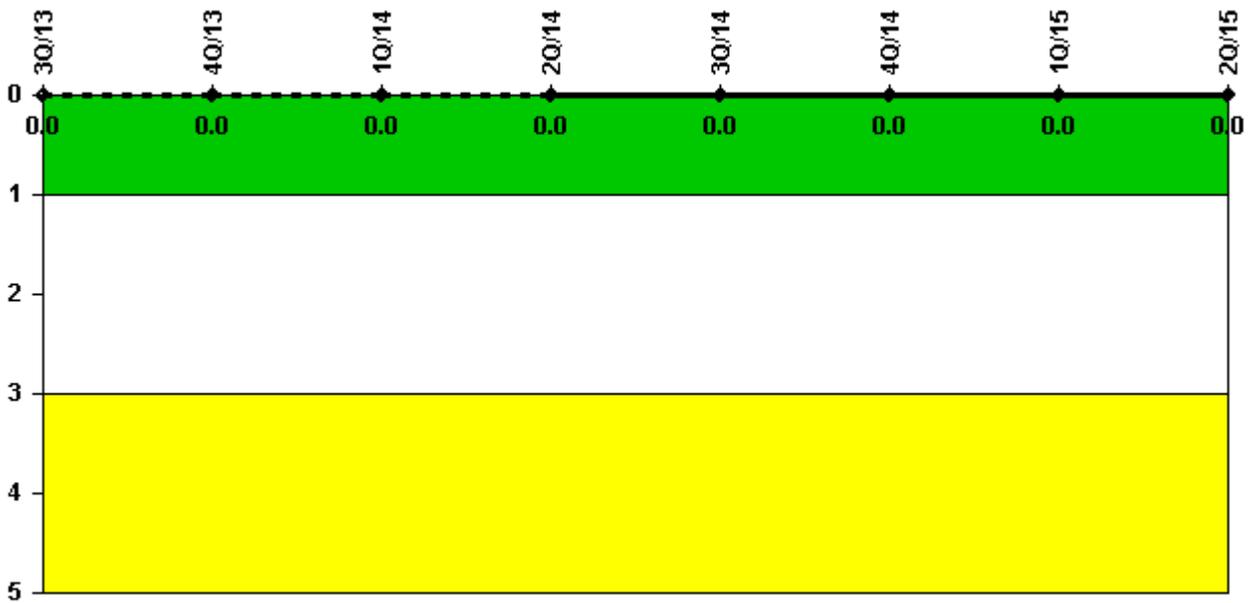
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
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/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
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: August 4, 2015