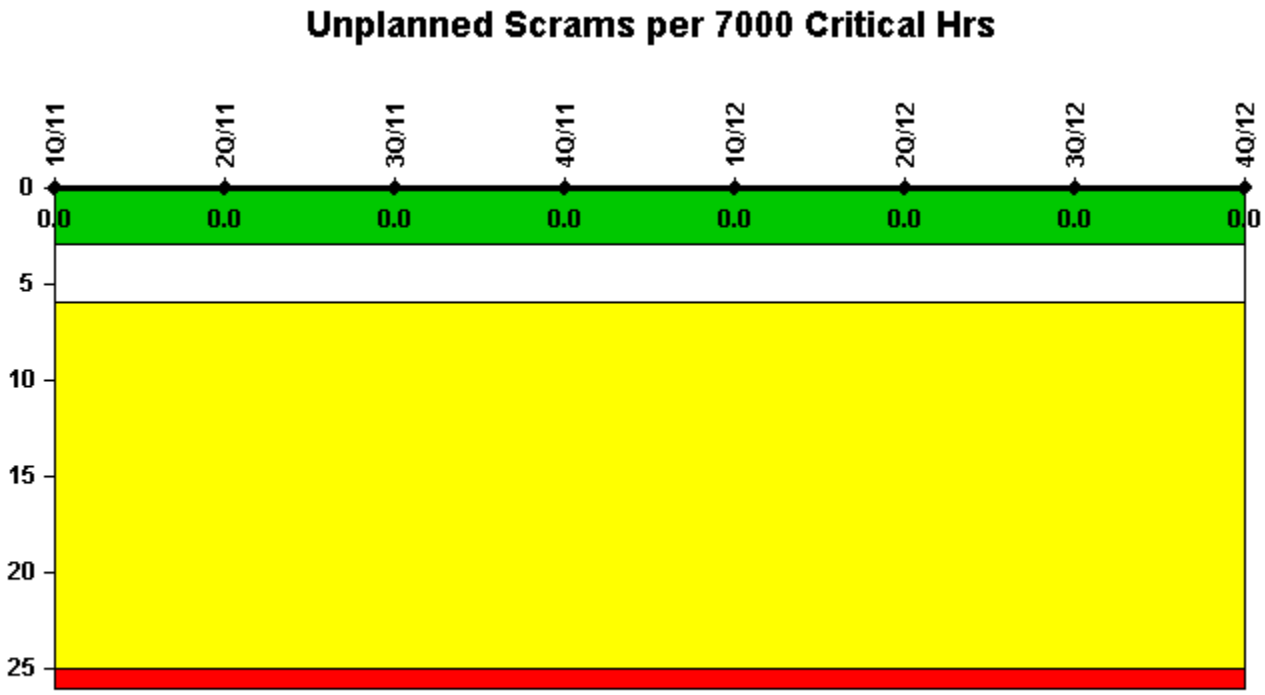
Hope Creek 1

4Q/2012 Performance Indicators

Licensee's General Comments: none



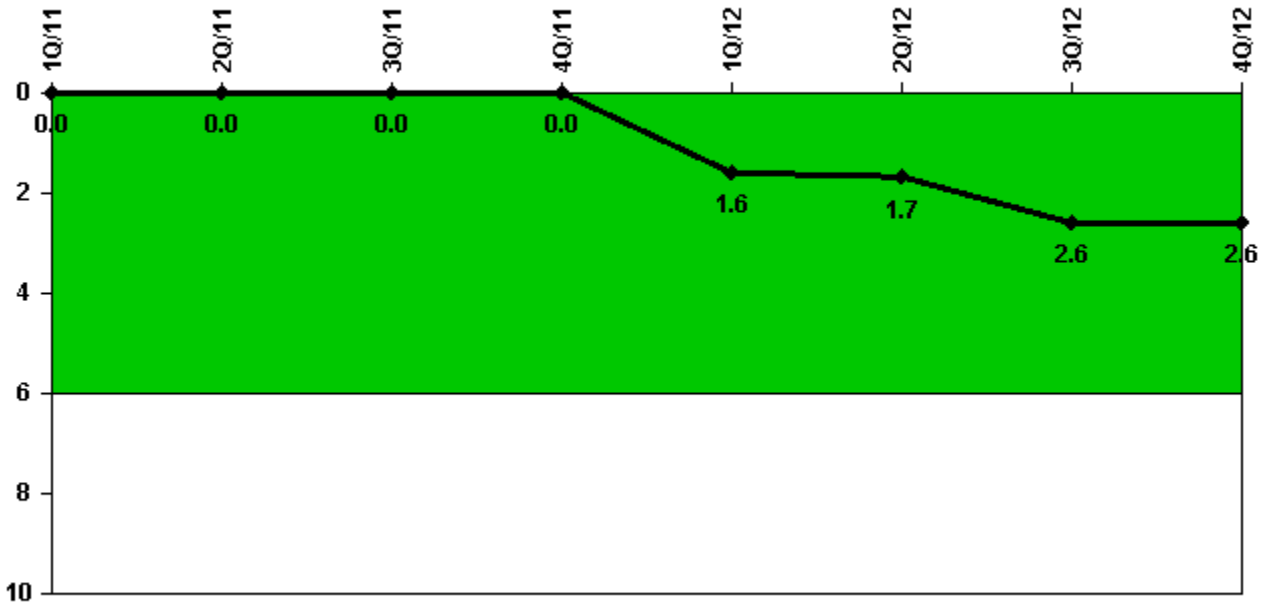
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0
Critical hours	2108.4	2184.0	2208.0	2209.0	2183.0	1600.6	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



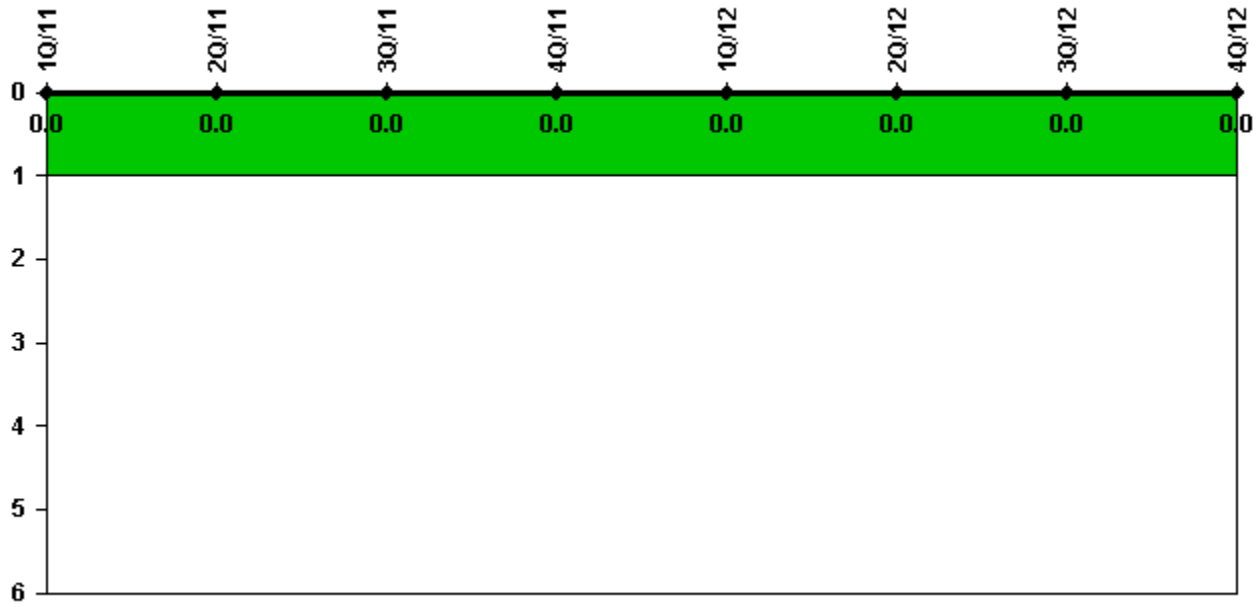
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	0	2.0	0	1.0	0
Critical hours	2108.4	2184.0	2208.0	2209.0	2183.0	1600.6	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**1.6**	**1.7**	**2.6**	**2.6**

Licensee Comments: none

Unplanned Scrams with Complications



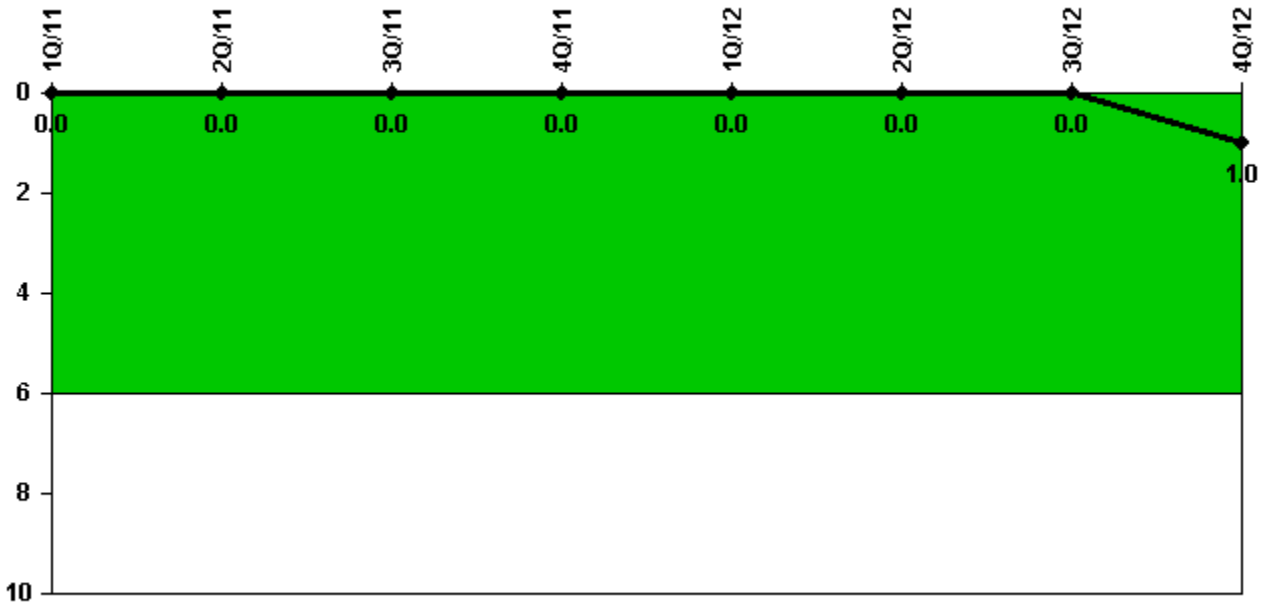
Thresholds: White > 1.0

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
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 (BWR)



Thresholds: White > 6.0

Notes

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

Licensee Comments:

4Q/12: Hope Creek LER 2012-006 was submitted on 10/31/12. The LER reported the inoperability of HPCI due to the failure of the HPCI steam admission valve (F-001). This was a safety system functional failure.

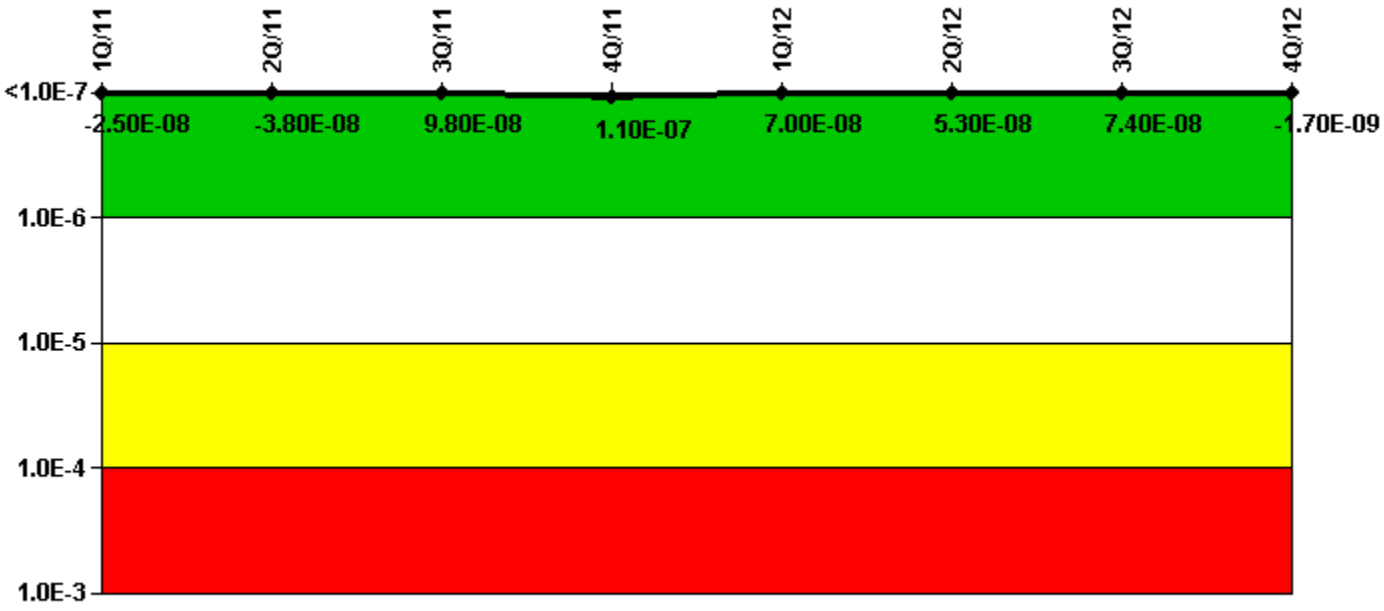
2Q/12: LER 354/2012-002 submitted on May 14, 2012

2Q/12: A SSFF reported via LER 354/2012-002 on 5/14/12(suspected failure of HPCI governor valve). Vendor analysis supported operability of the valve and HPCI, therefore LER and SSF retracted on 8/23/12 via PSEG Letter to NRC Document Control Desk LR-N12-024.

3Q/11: Hope Creek LER 354/11-001(submitted 9/22/11) reported a condition under Hope Creek LER 354/11-001 (submitted 9/22/11) reported a SSFF. A subsequent Engineering Technical Evaluation concluded that the system remained capable of performing its safety function. Therefore the SSFF has been removed from the data input.

3Q/11: Hope Creek LER 354/11-001(submitted 9/22/11) reported a condition under 10CFR50.73 (a)(2)(v)(D) as an event or condition that could have prevented the fulfillment of the safety function of a SSC that is needed to mitigate the consequences of an accident.

Mitigating Systems Performance Index, Emergency AC Power System



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

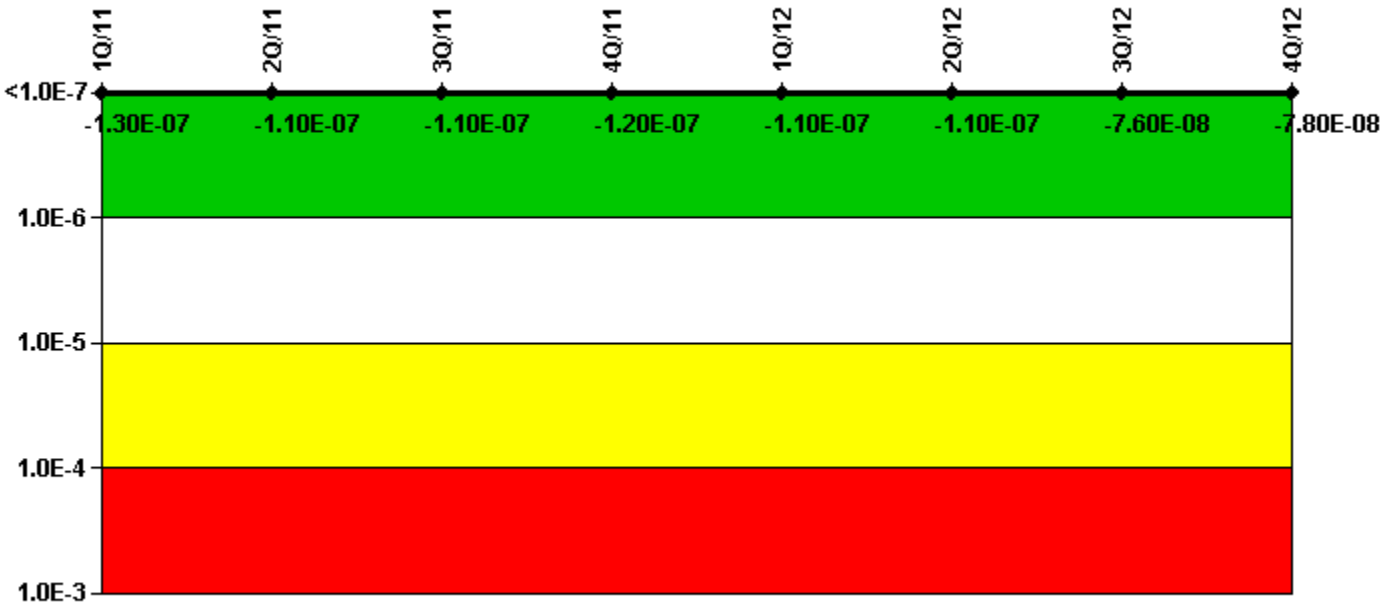
Notes

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)	9.64E-08	8.26E-08	9.13E-08	9.16E-08	5.34E-08	2.79E-08	4.70E-08	3.54E-08
URI (ΔCDF)	-1.21E-07	-1.20E-07	6.98E-09	1.68E-08	1.64E-08	2.48E-08	2.73E-08	-3.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-08**	**-3.80E-08**	**9.80E-08**	**1.10E-07**	**7.00E-08**	**5.30E-08**	**7.40E-08**	**-1.70E-09**

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



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

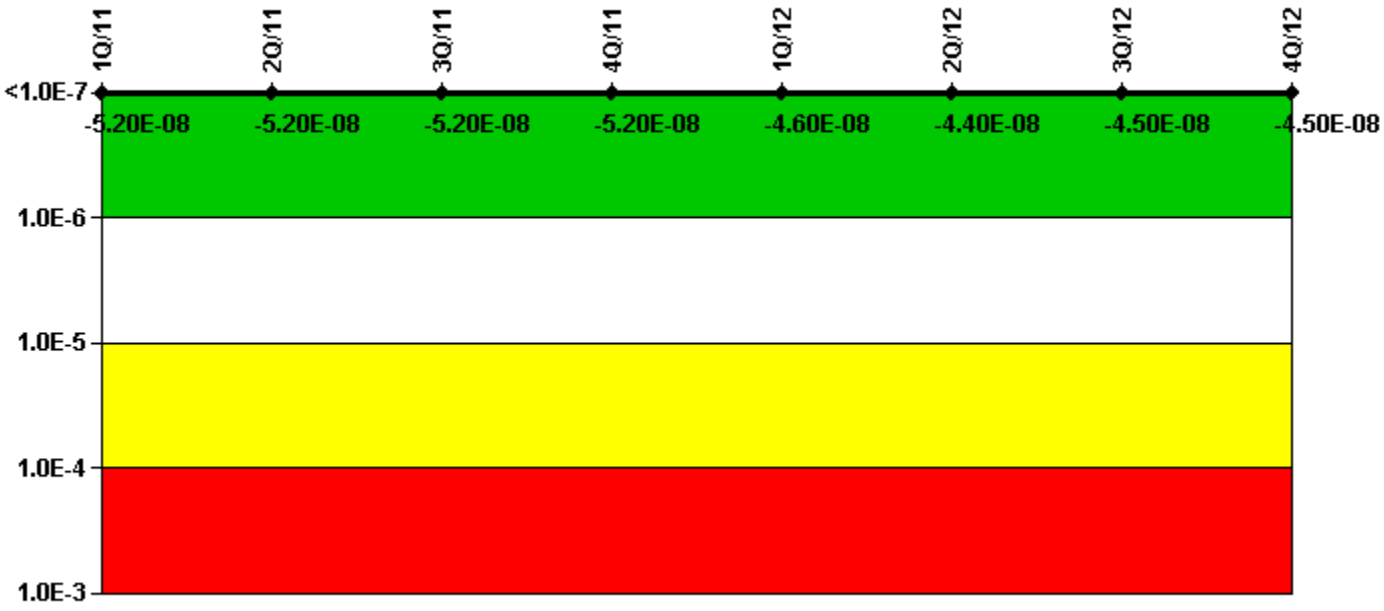
Notes

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 (ΔCDF)	-3.37E-08	-3.37E-08	-3.37E-08	-3.56E-08	-3.36E-08	-3.36E-08	-3.03E-08	-3.03E-08
URI (ΔCDF)	-9.24E-08	-8.05E-08	-8.05E-08	-8.27E-08	-7.94E-08	-8.11E-08	-4.56E-08	-4.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.10E-07**	**-1.10E-07**	**-1.20E-07**	**-1.10E-07**	**-1.10E-07**	**-7.60E-08**	**-7.80E-08**

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System



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

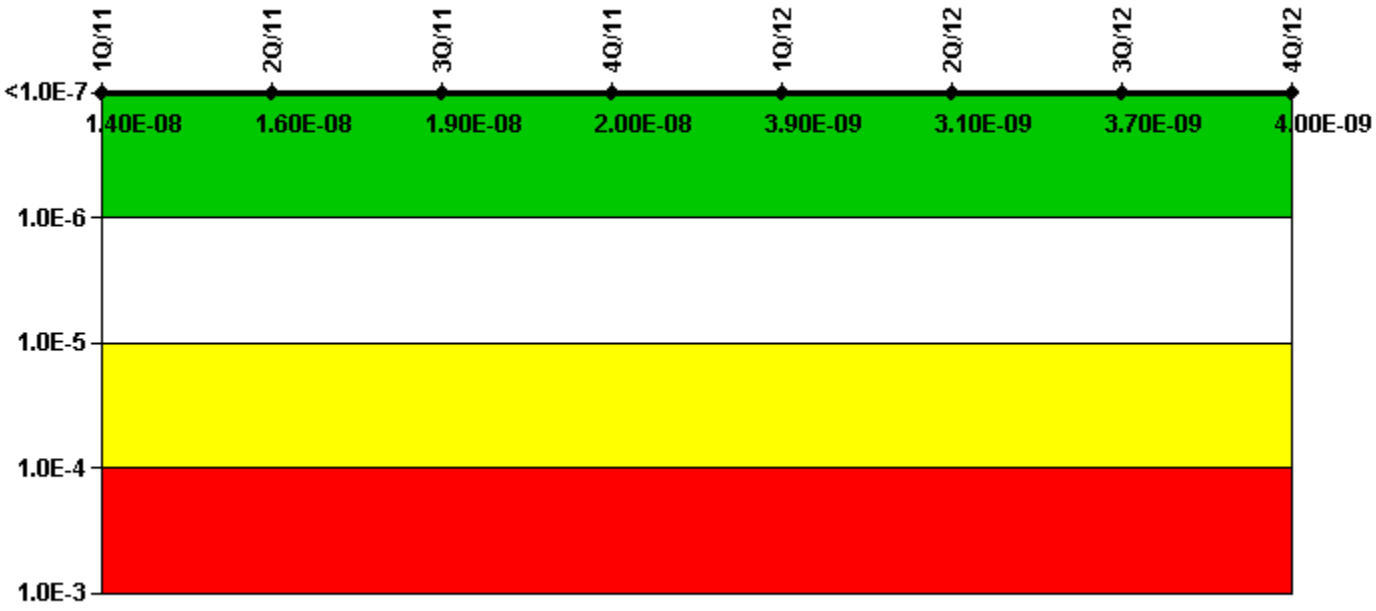
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	-1.29E-08	-1.29E-08	-1.29E-08	-1.29E-08	-1.16E-08	-1.16E-08	-1.16E-08	-1.16E-08
URI (ΔCDF)	-3.95E-08	-3.95E-08	-3.95E-08	-3.87E-08	-3.43E-08	-3.26E-08	-3.35E-08	-3.34E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.20E-08**	**-5.20E-08**	**-5.20E-08**	**-5.20E-08**	**-4.60E-08**	**-4.40E-08**	**-4.50E-08**	**-4.50E-08**

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System



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

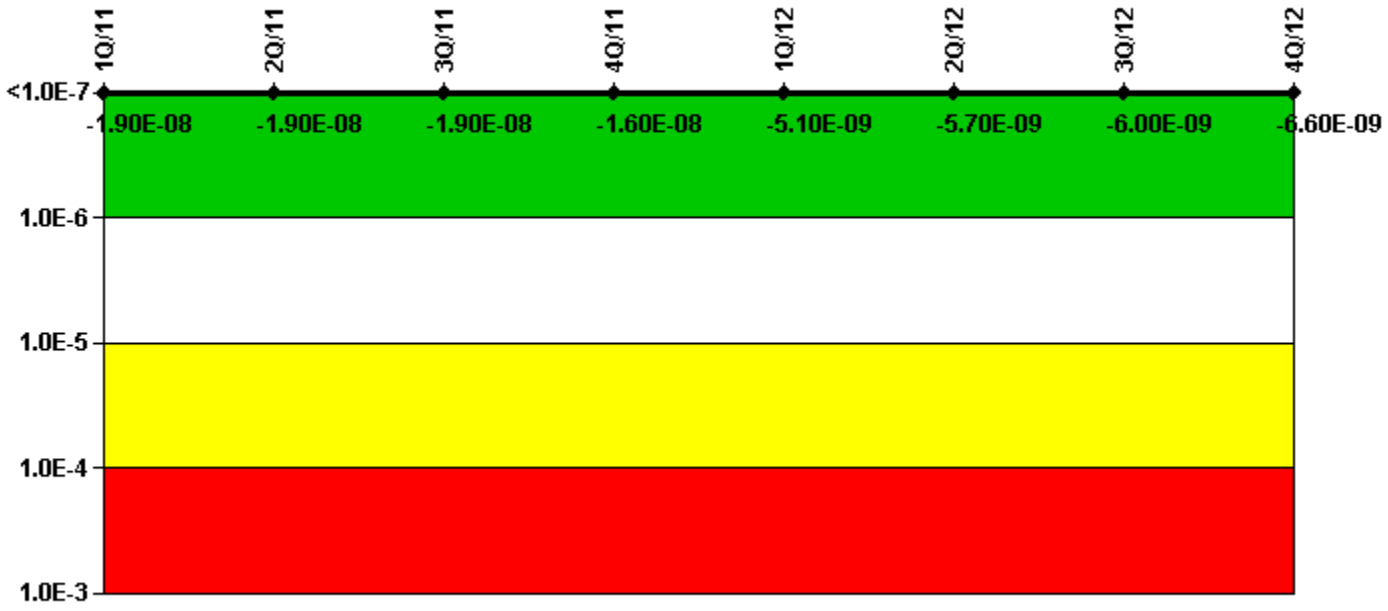
Notes

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 (ΔCDF)	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-3.26E-09	-3.26E-09	-3.26E-09	-3.26E-09
URI (ΔCDF)	2.41E-08	2.63E-08	2.90E-08	3.02E-08	7.20E-09	6.31E-09	6.96E-09	7.26E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**1.60E-08**	**1.90E-08**	**2.00E-08**	**3.90E-09**	**3.10E-09**	**3.70E-09**	**4.00E-09**

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems



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

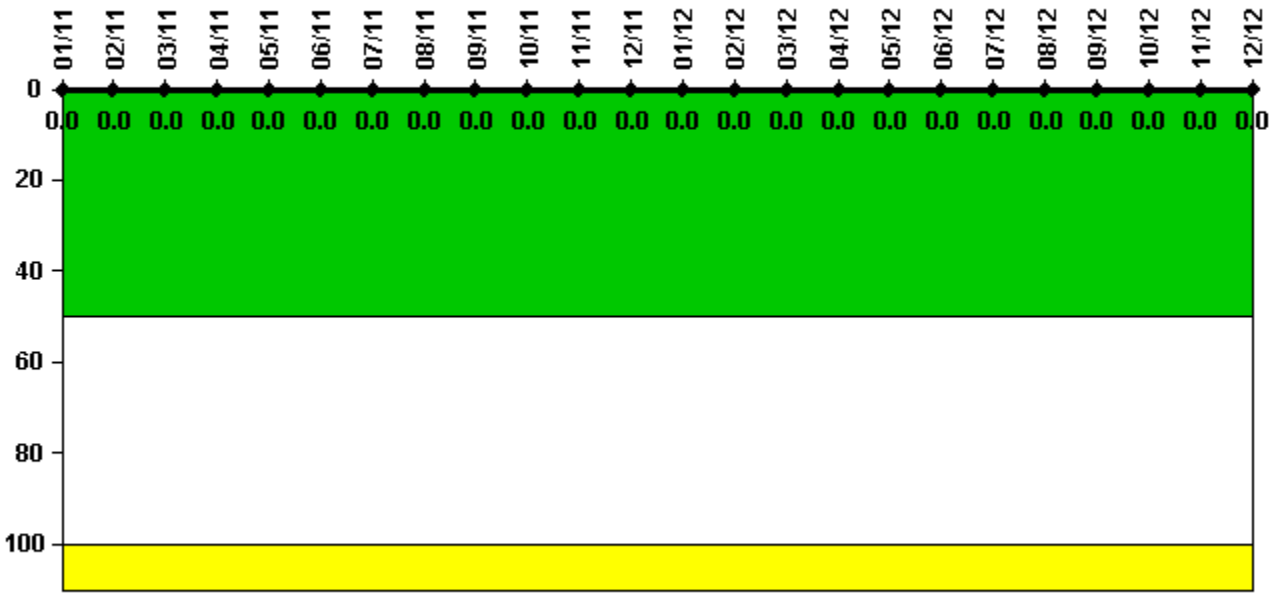
Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-7.45E-09	-7.34E-09	-7.27E-09	-4.88E-09	-2.18E-09	-2.76E-09	-3.09E-09	-3.66E-09
URI (ΔCDF)	-1.13E-08	-1.14E-08	-1.14E-08	-1.14E-08	-2.93E-09	-2.92E-09	-2.90E-09	-2.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-08**	**-1.90E-08**	**-1.90E-08**	**-1.60E-08**	**-5.10E-09**	**-5.70E-09**	**-6.00E-09**	**-6.60E-09**

Licensee Comments:

1Q/12: Changed PRA Parameter(s).

Reactor Coolant System Activity



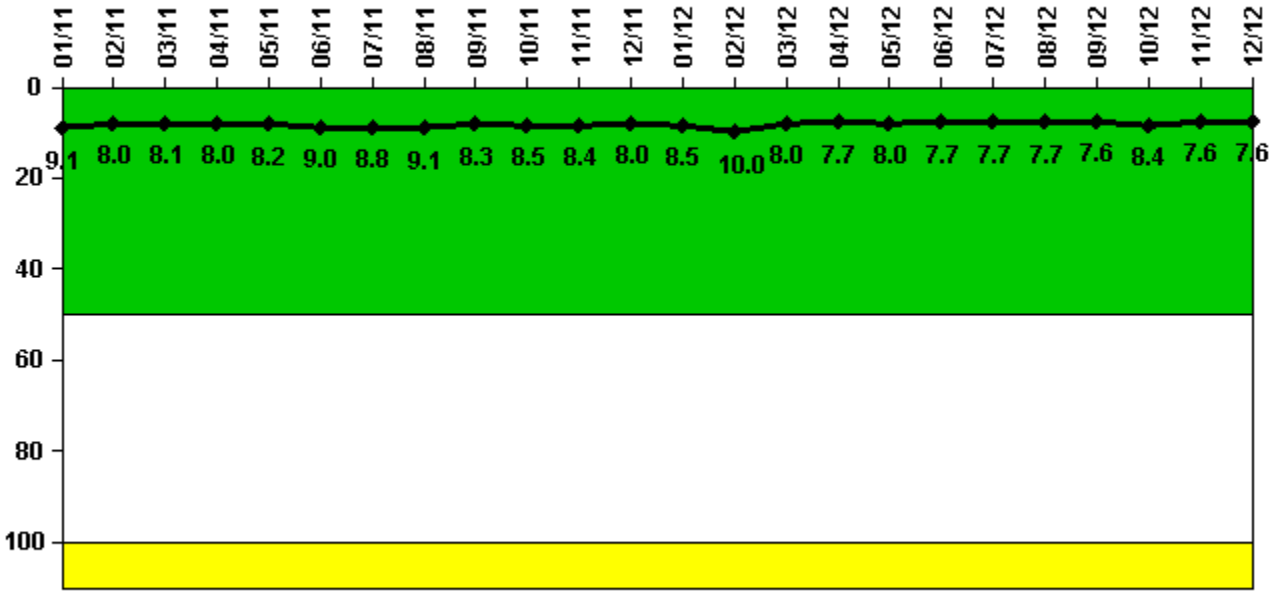
Thresholds: White > 50.0 Yellow > 100.0

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	0.000042	0.000065	0.000043	0.000044	0.000042	0.000043	0.000053	0.000042	0.000049	0.000043	0.000044	0.000043
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	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum activity	0.000048	0.000039	0.000041	0.000042	0.000040	0.000037	0.000039	0.000039	0.000041	0.000040	0.000037	0.000059
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: none

Reactor Coolant System Leakage



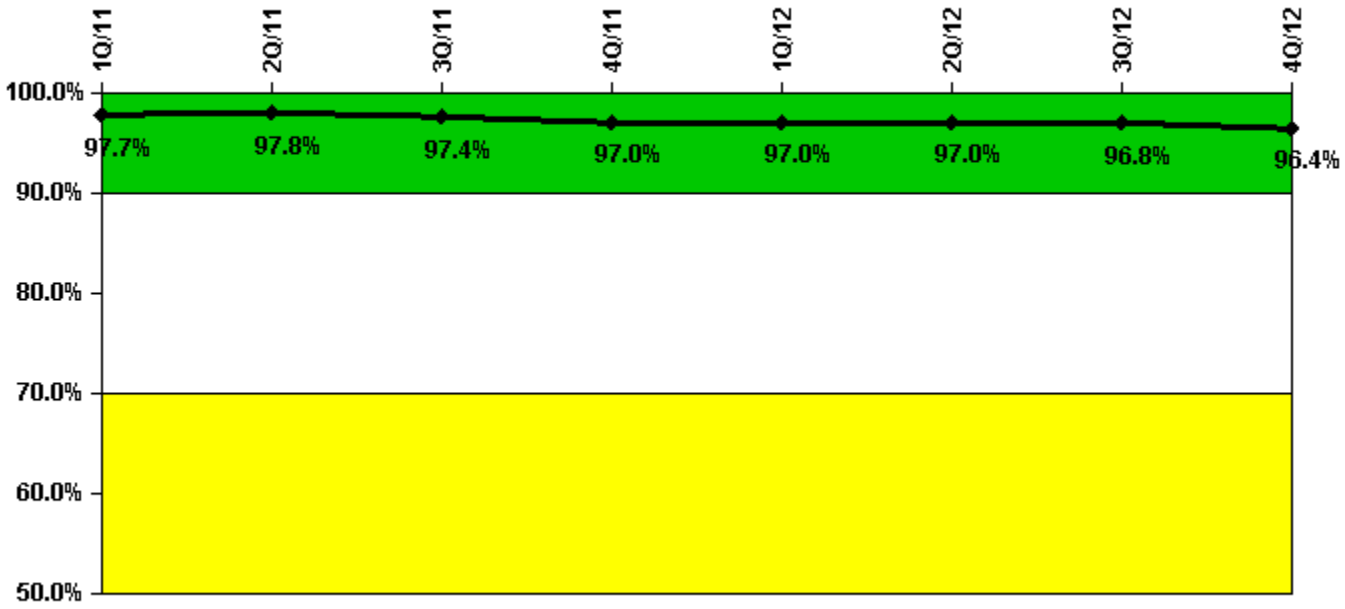
Thresholds: White > 50.0 Yellow > 100.0

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	2.282	2.000	2.020	1.990	2.050	2.252	2.210	2.270	2.070	2.120	2.102	2.000
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	**9.1**	**8.0**	**8.1**	**8.0**	**8.2**	**9.0**	**8.8**	**9.1**	**8.3**	**8.5**	**8.4**	**8.0**
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	2.120	2.500	1.990	1.920	2.000	1.920	1.920	1.930	1.900	2.100	1.910	1.910
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	**8.5**	**10.0**	**8.0**	**7.7**	**8.0**	**7.7**	**7.7**	**7.7**	**7.6**	**8.4**	**7.6**	**7.6**

Licensee Comments: none

Drill/Exercise Performance

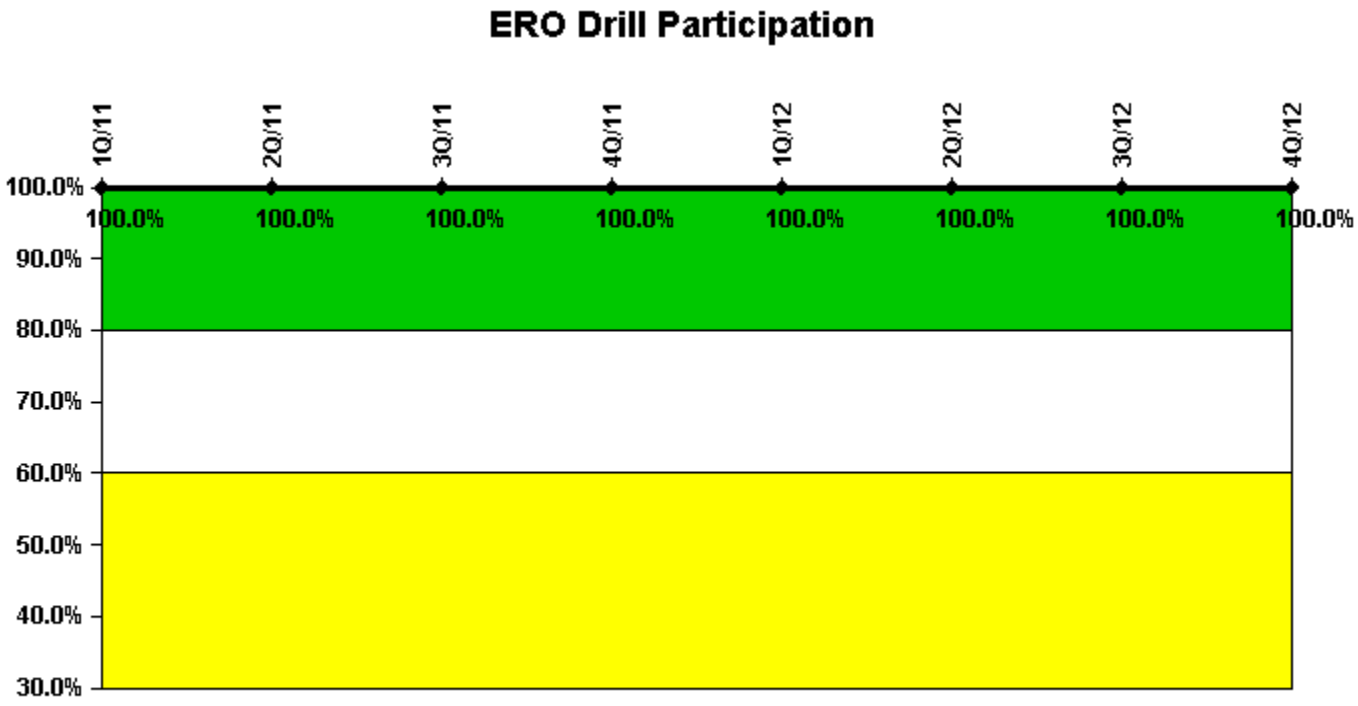


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	43.0	40.0	34.0	72.0	30.0	22.0	54.0	31.0
Total opportunities	44.0	41.0	37.0	75.0	31.0	22.0	55.0	33.0
Indicator value	**97.7%**	**97.8%**	**97.4%**	**97.0%**	**97.0%**	**97.0%**	**96.8%**	**96.4%**

Licensee Comments: none



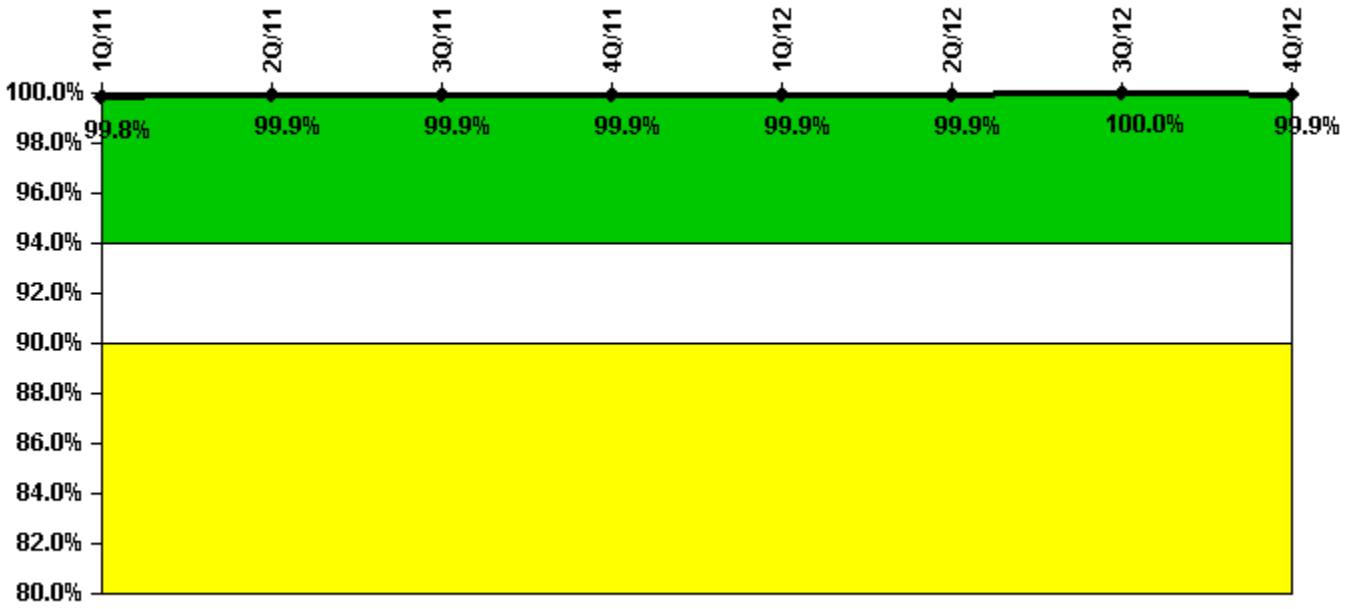
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	128.0	130.0	131.0	136.0	136.0	126.0	121.0	123.0
Total Key personnel	128.0	130.0	131.0	136.0	136.0	126.0	121.0	123.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System



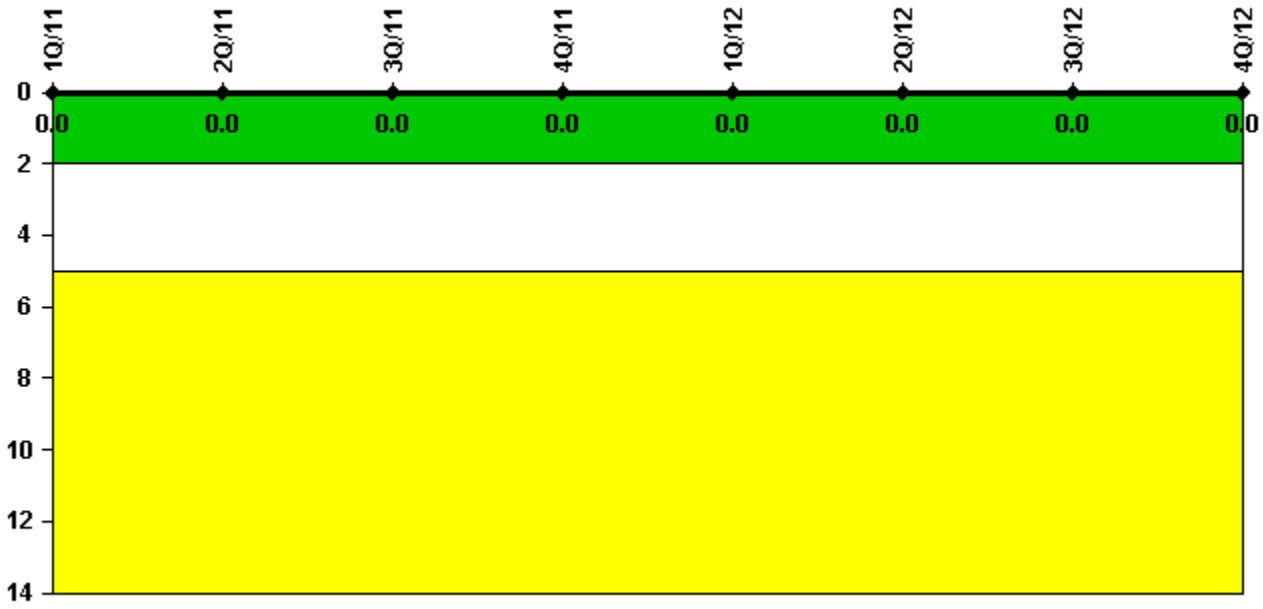
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	497	497	496	497	497	497	497	496
Total sirens-tests	497	497	497	497	497	497	497	497
Indicator value	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

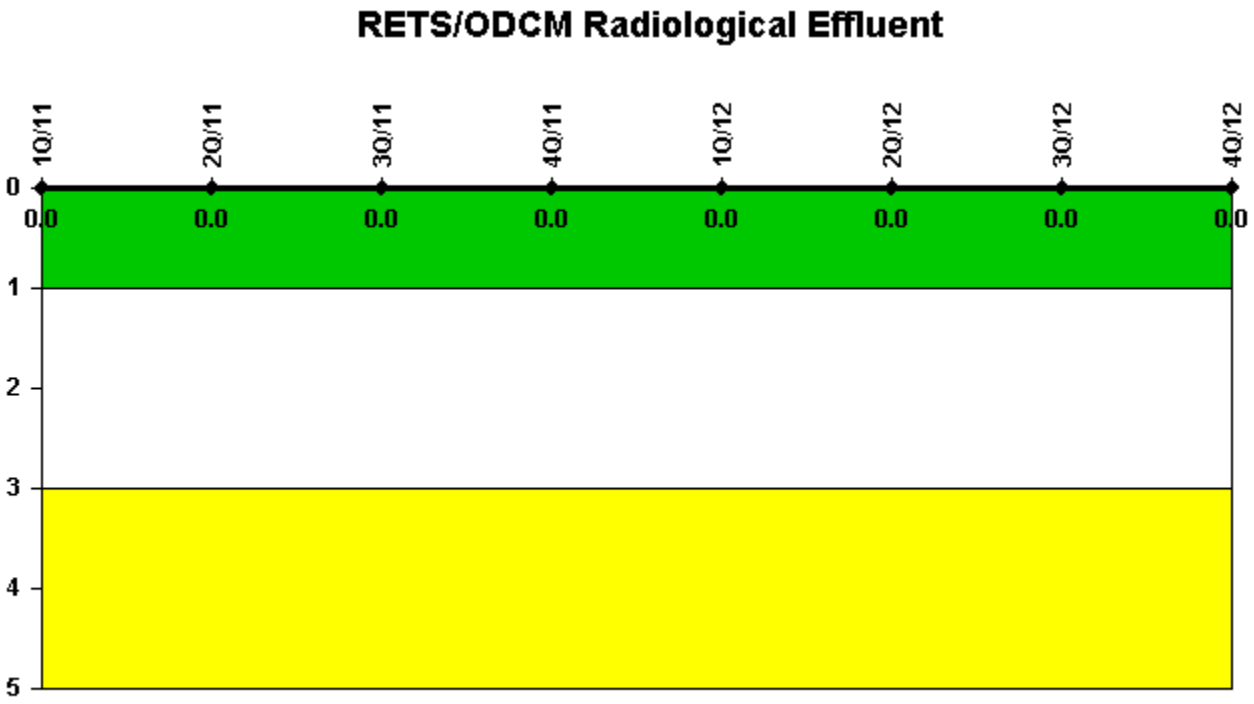


Thresholds: White > 2.0 Yellow > 5.0

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
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none



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
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: January 23, 2013