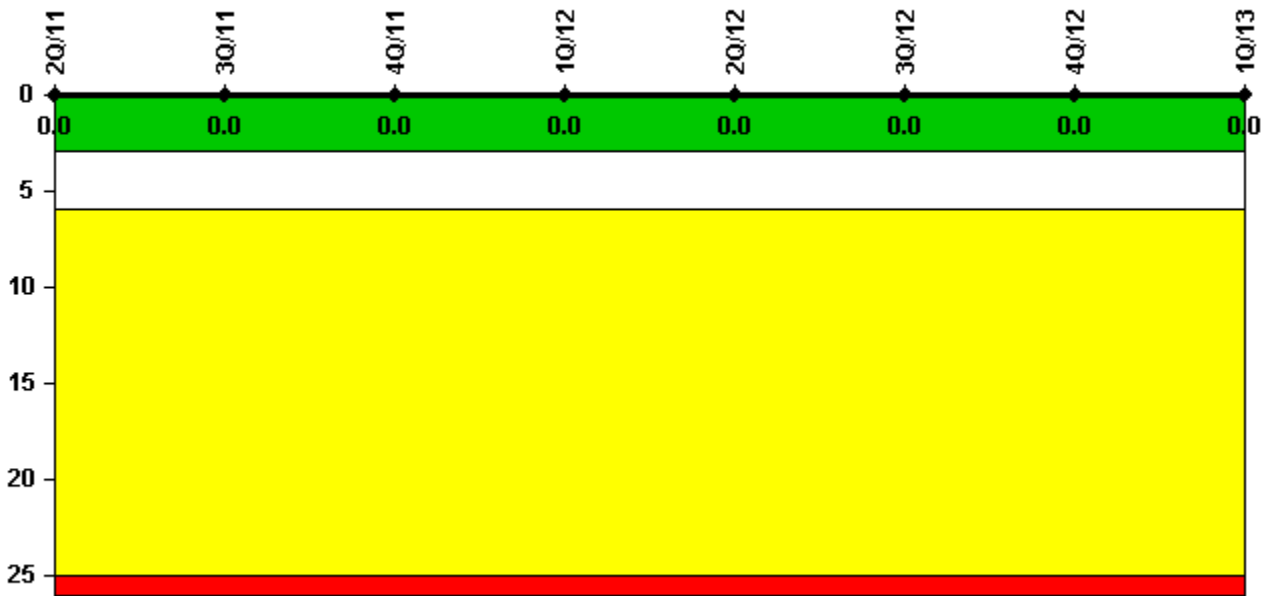


Vermont Yankee

1Q/2013 Performance Indicators

Licensee's General Comments: Re-allocation of data to different months. No changes in pass/fail results. No color change.

Unplanned Scrams per 7000 Critical Hrs



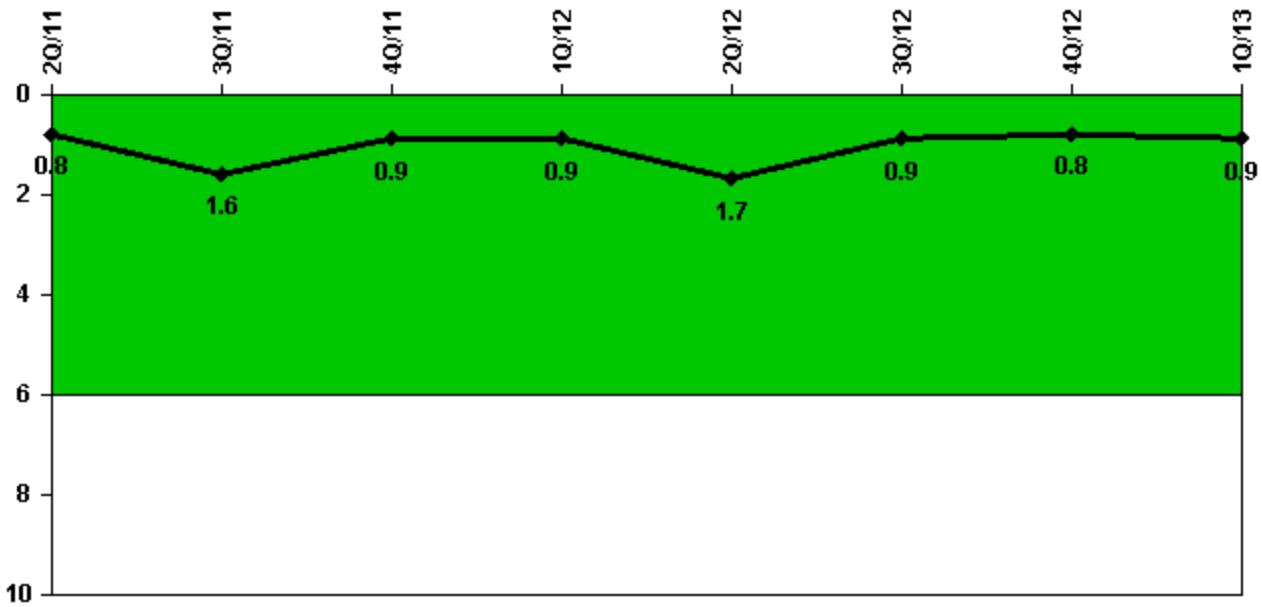
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1626.3	2183.0	2184.0	2208.0	2209.0	1633.9
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

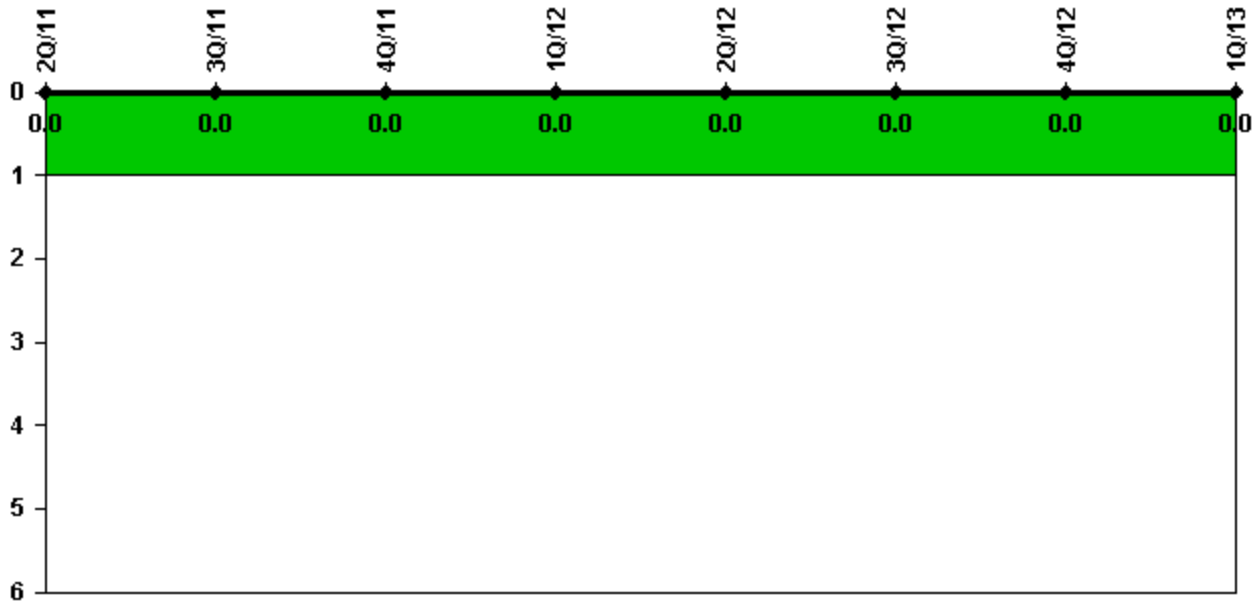
Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	0	1.0	0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	1626.3	2183.0	2184.0	2208.0	2209.0	1633.9
Indicator value	0.8	1.6	0.9	0.9	1.7	0.9	0.8	0.9

Licensee Comments:

3Q/11: Recirculation Pump motor generator (MG) set trip

Unplanned Scrams with Complications



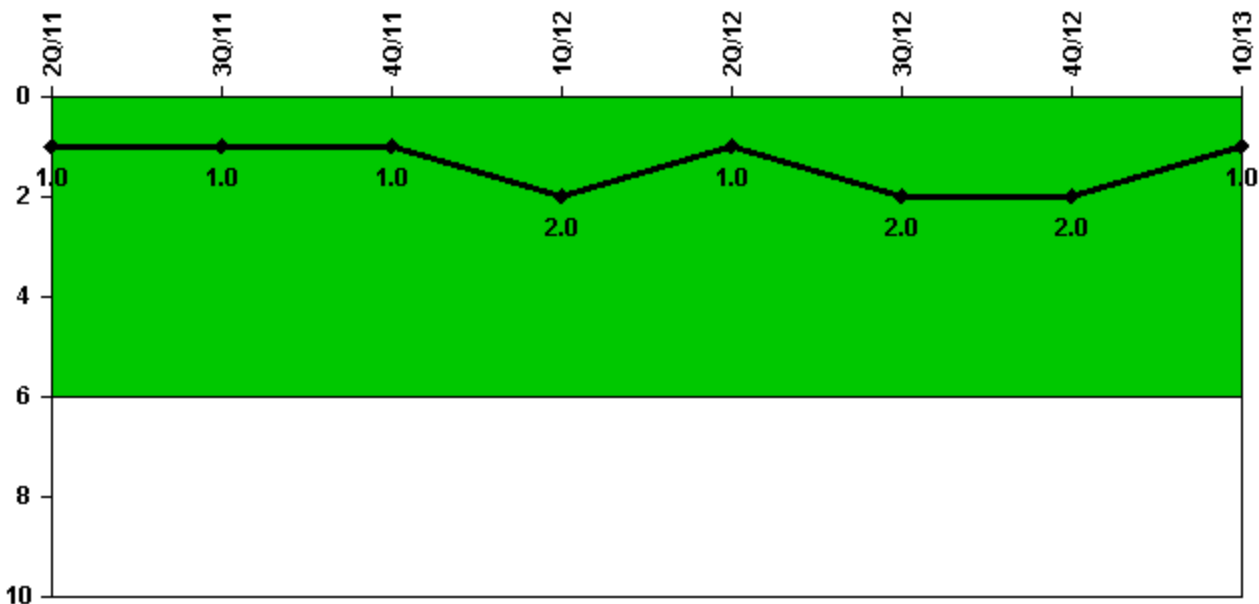
Thresholds: White > 1.0

Notes

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



Thresholds: White > 6.0

Notes

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

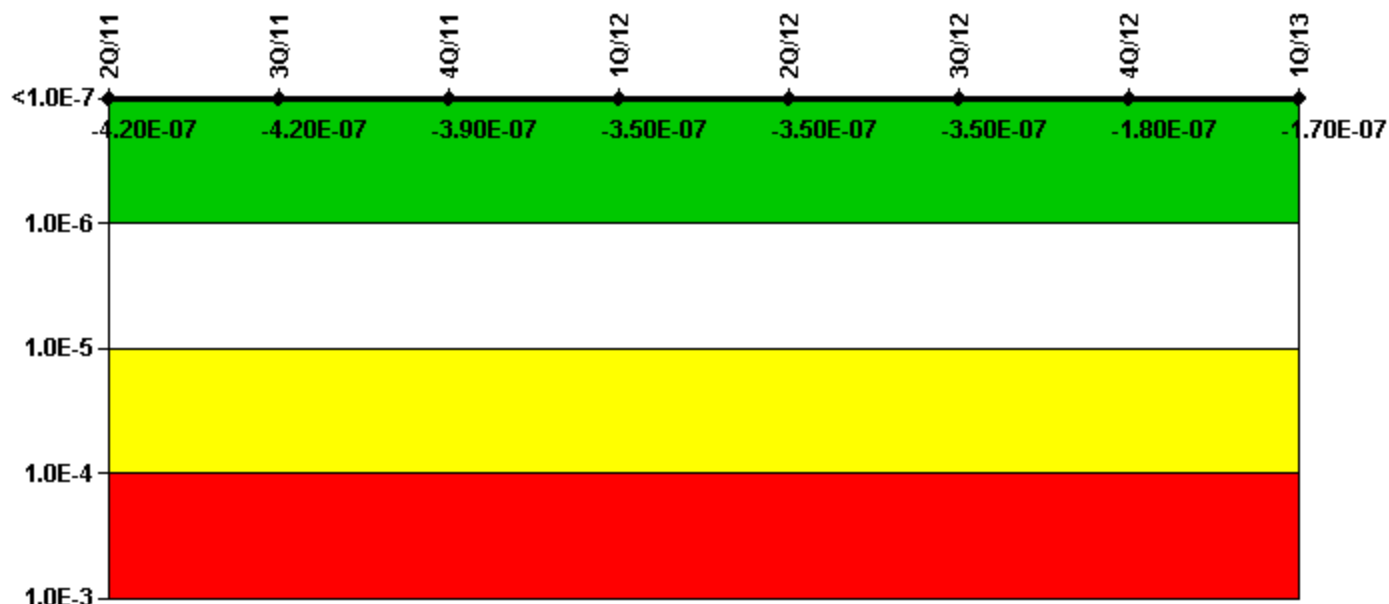
Licensee Comments:

3Q/12: LER 2012-01, Potential to Flood Switchgear Room due to Missing Conduit Flood Seal

1Q/12: LER 2011-02

2Q/11: LER 11-01 dated 4/14/11

Mitigating Systems Performance Index, Emergency AC Power System



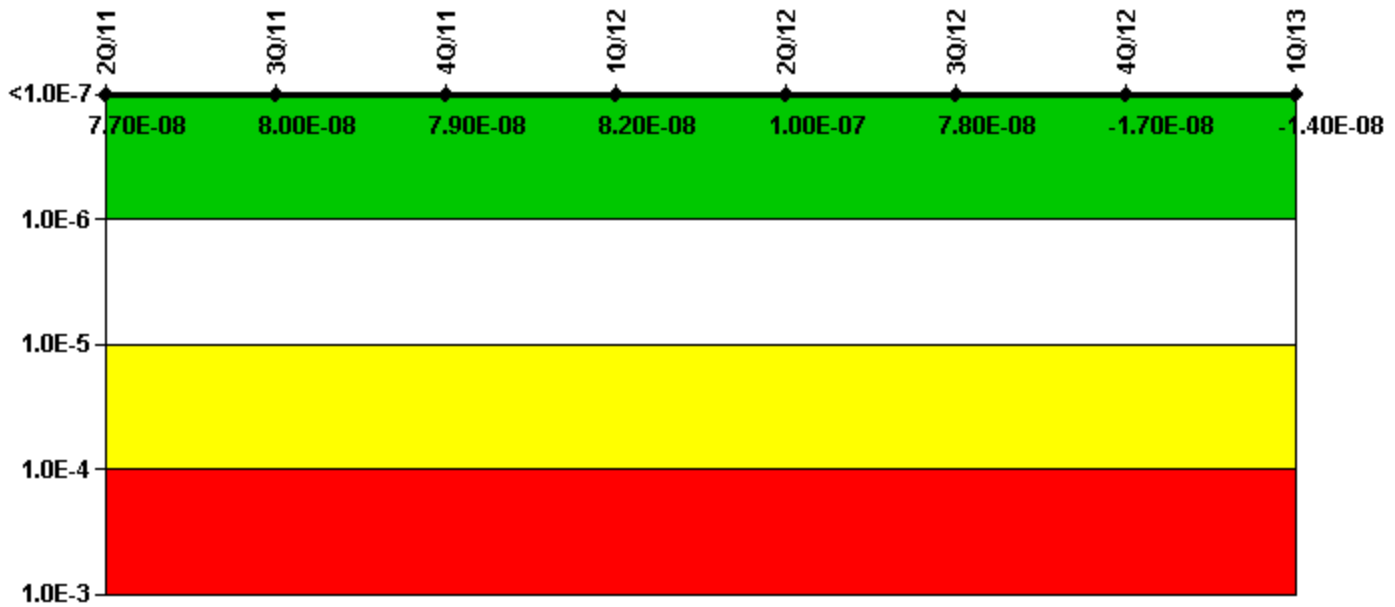
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	-4.53E-09	-4.53E-09	2.25E-08	5.92E-08	5.92E-08	5.92E-08	6.73E-09	9.00E-09
URI (Δ CDF)	-4.18E-07	-4.19E-07	-4.17E-07	-4.14E-07	-4.11E-07	-4.11E-07	-1.83E-07	-1.83E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-07	-4.20E-07	-3.90E-07	-3.50E-07	-3.50E-07	-3.50E-07	-1.80E-07	-1.70E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



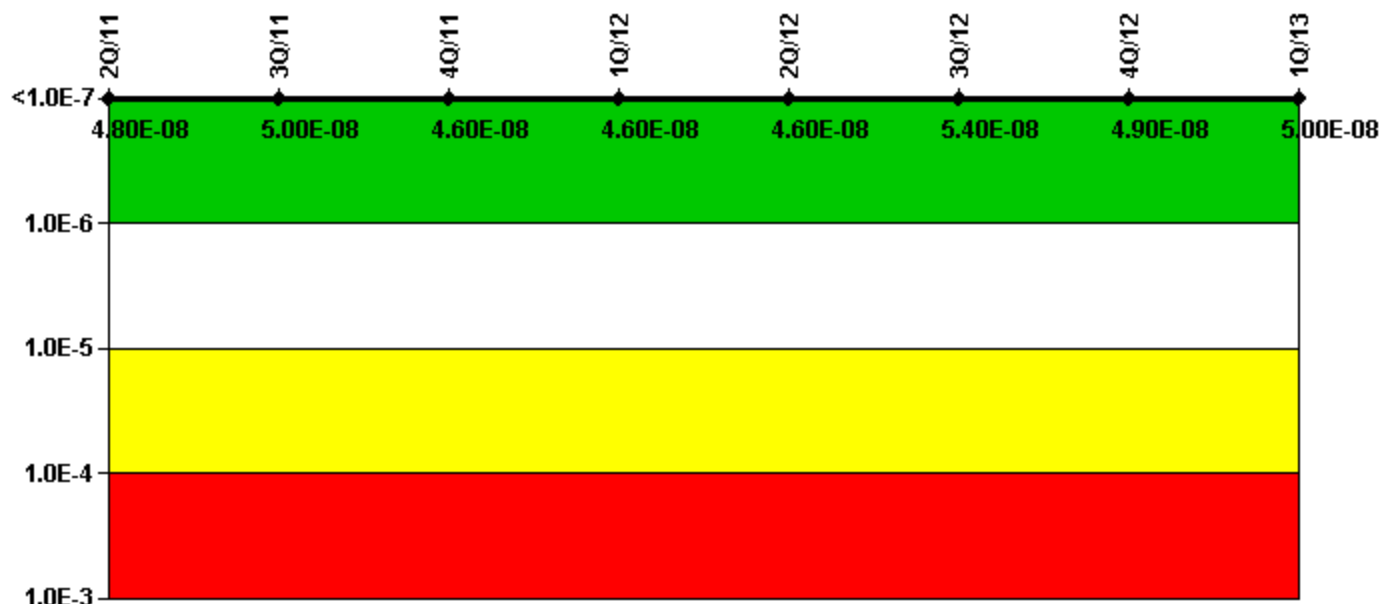
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	-1.43E-08	-1.43E-08	-1.55E-08	-1.56E-08	2.83E-09	-1.95E-08	-4.70E-08	-4.56E-08
URI (Δ CDF)	9.17E-08	9.47E-08	9.50E-08	9.81E-08	9.80E-08	9.79E-08	3.04E-08	3.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.70E-08	8.00E-08	7.90E-08	8.20E-08	1.00E-07	7.80E-08	-1.70E-08	-1.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



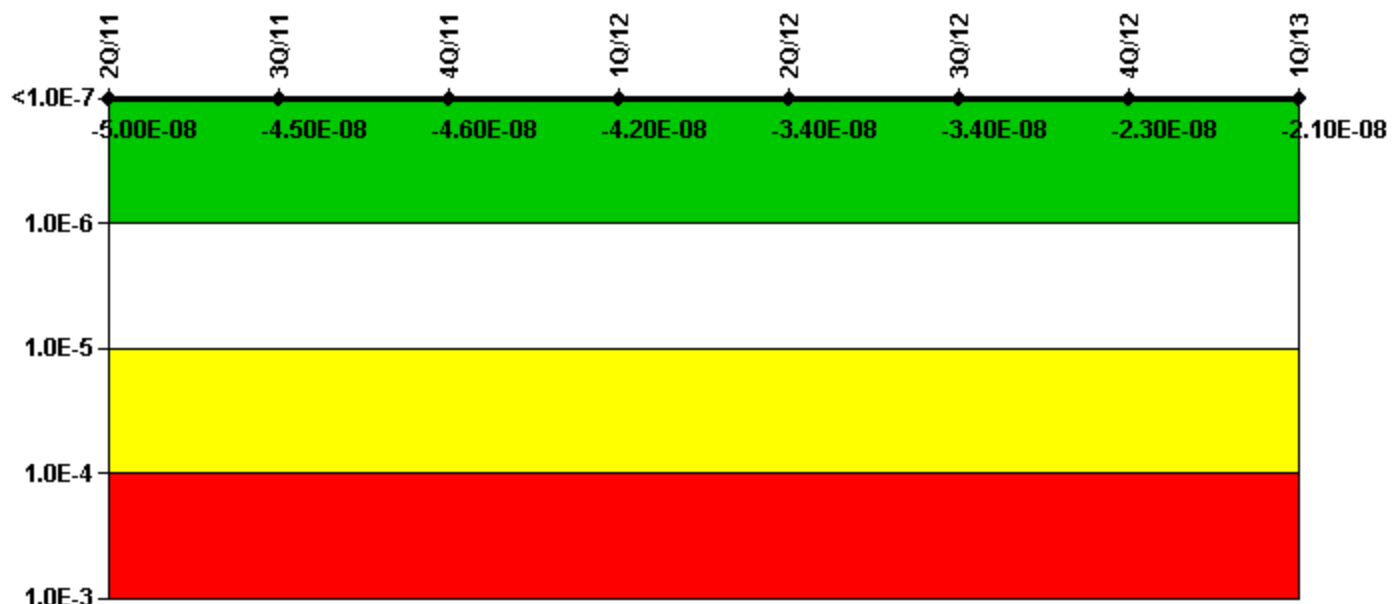
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	3.11E-09	2.65E-09	-3.19E-09	-3.20E-09	-3.20E-09	4.90E-09	1.31E-08	1.39E-08
URI (Δ CDF)	4.53E-08	4.70E-08	4.87E-08	4.87E-08	4.87E-08	4.87E-08	3.62E-08	3.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.80E-08	5.00E-08	4.60E-08	4.60E-08	4.60E-08	5.40E-08	4.90E-08	5.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



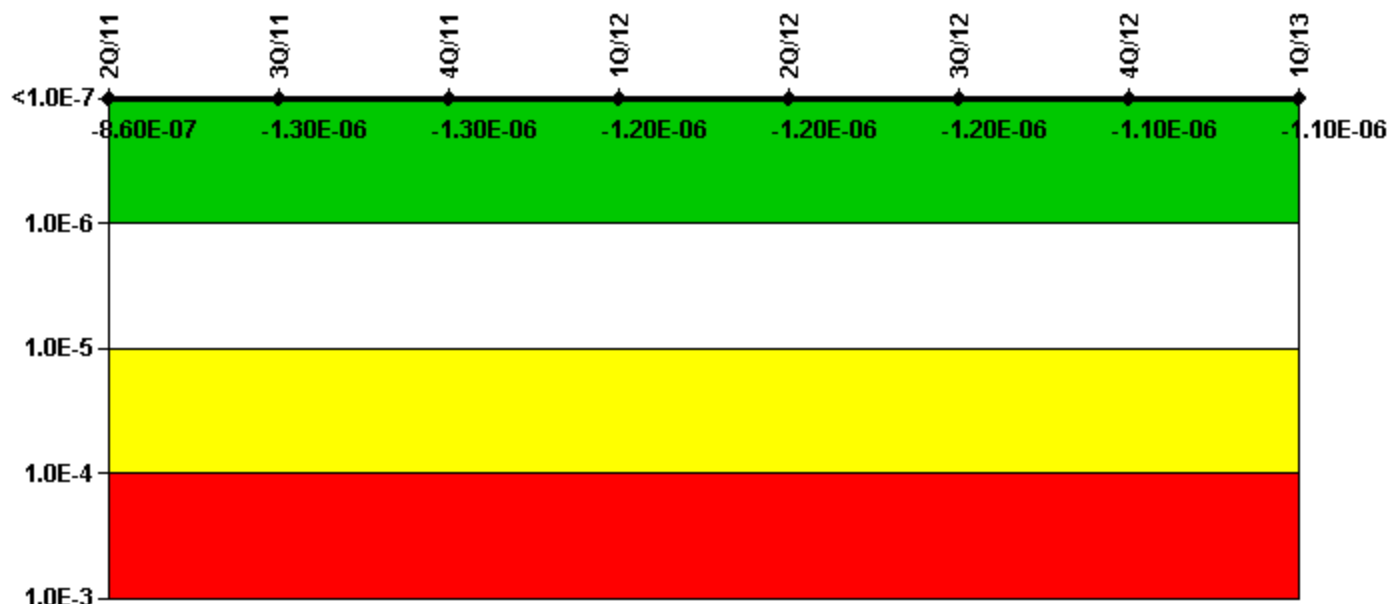
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	1.81E-09	6.37E-09	6.65E-09	9.59E-09	1.67E-08	1.67E-08	1.39E-08	1.69E-08
URI (Δ CDF)	-5.14E-08	-5.14E-08	-5.22E-08	-5.14E-08	-5.12E-08	-5.10E-08	-3.72E-08	-3.81E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.00E-08	-4.50E-08	-4.60E-08	-4.20E-08	-3.40E-08	-3.40E-08	-2.30E-08	-2.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



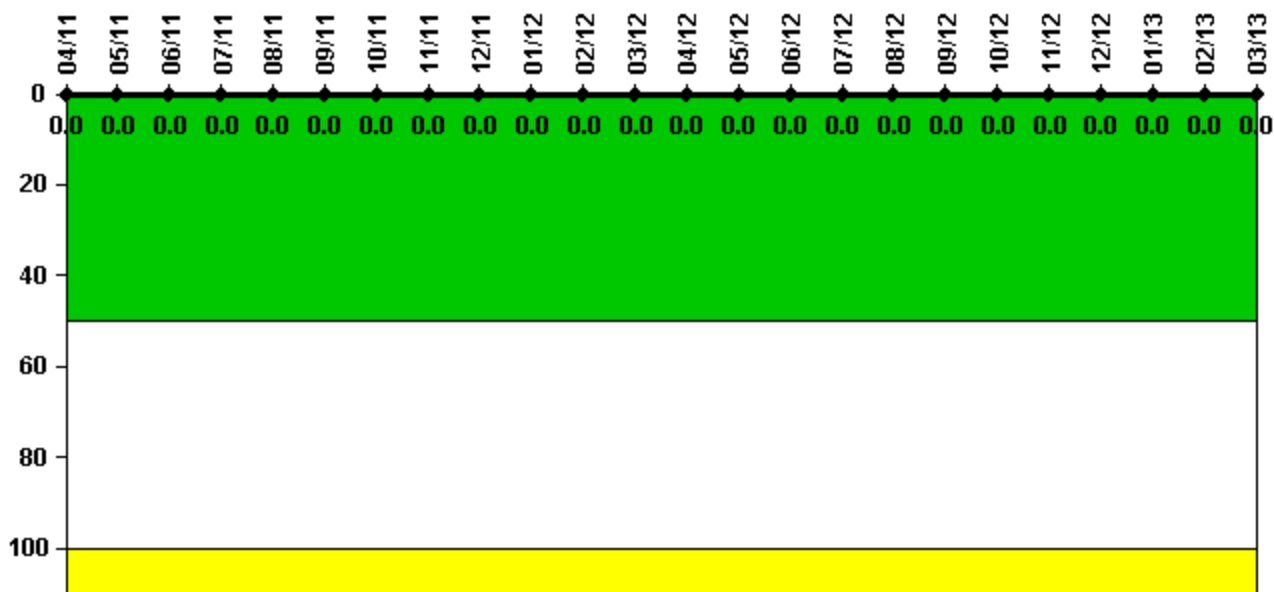
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	1.12E-07	7.15E-08	7.20E-08	9.31E-08	1.00E-07	1.00E-07	7.31E-08	1.28E-07
URI (Δ CDF)	-9.68E-07	-1.36E-06	-1.35E-06	-1.31E-06	-1.30E-06	-1.28E-06	-1.19E-06	-1.23E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.60E-07	-1.30E-06	-1.30E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.10E-06	-1.10E-06

Licensee Comments: none

Reactor Coolant System Activity



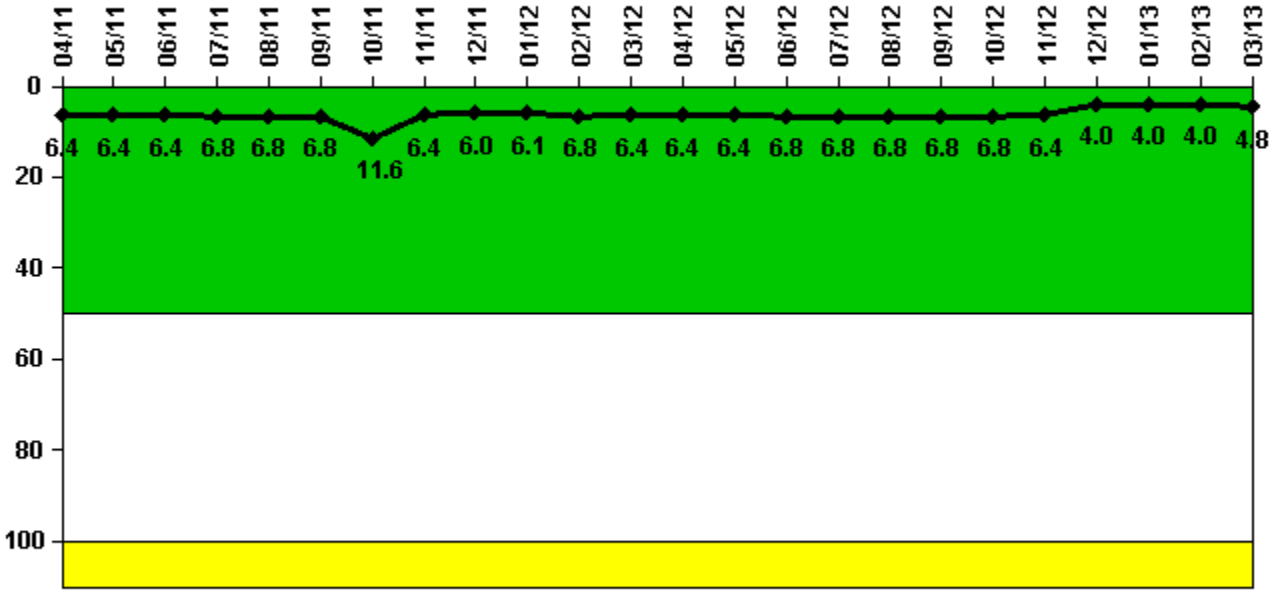
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	0.000008	0.000010	0.000008	0.000016	0.000019	0.000018	0.000019	0.000004	0.000006	0.000009	0.000007	0.000010
Technical specification limit	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum activity	0.000007	0.000009	0.000009	0.000009	0.000006	0.000005	0.000006	0.000006	0.000011	0.000008	0.000013	0.000009
Technical specification limit	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



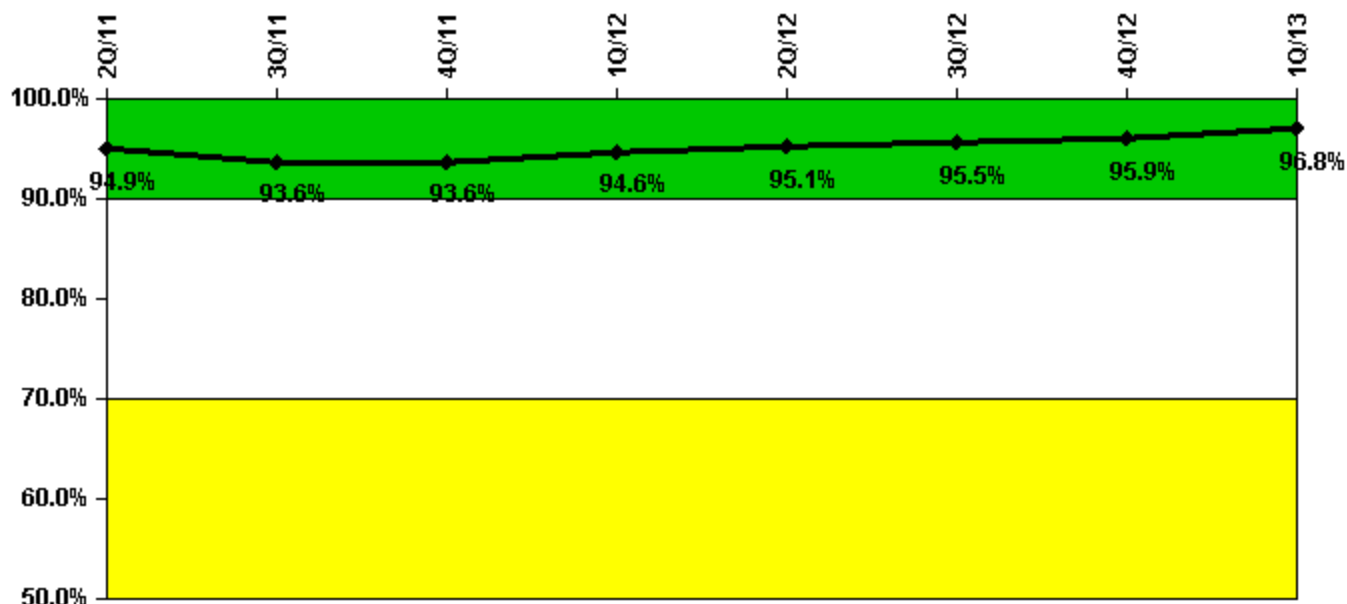
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	1.600	1.600	1.600	1.700	1.700	1.700	2.900	1.600	1.500	1.530	1.700	1.600
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	6.4	6.4	6.4	6.8	6.8	6.8	11.6	6.4	6.0	6.1	6.8	6.4
Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	1.600	1.600	1.700	1.700	1.700	1.700	1.700	1.600	1.000	1.000	1.000	1.200
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	6.4	6.4	6.8	6.8	6.8	6.8	6.8	6.4	4.0	4.0	4.0	4.8

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

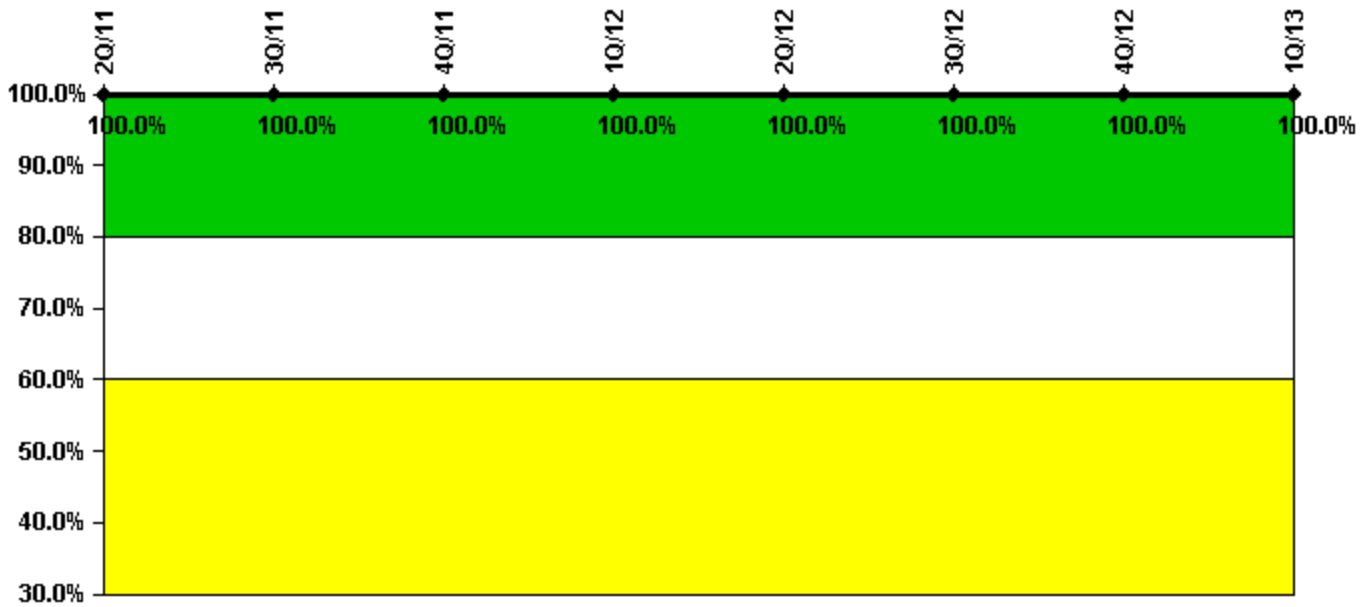
Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	68.0	26.0	12.0	16.0	29.0	34.0	8.0	18.0
Total opportunities	71.0	28.0	12.0	16.0	30.0	35.0	8.0	18.0
Indicator value	94.9%	93.6%	93.6%	94.6%	95.1%	95.5%	95.9%	96.8%

Licensee Comments:

3Q/11: A March 2012 self-assessment found guidance from NRC FAQ-471 was not implemented at VY. The period from July 2010 to September 2011 was affected. The PI remained green for the period after affected notification opportunities were removed.

2Q/11: A March 2012 self-assessment found guidance from NRC FAQ-471 was not implemented at VY. The period from July 2010 to September 2011 was affected. The PI remained green for the period after affected notification opportunities were removed.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

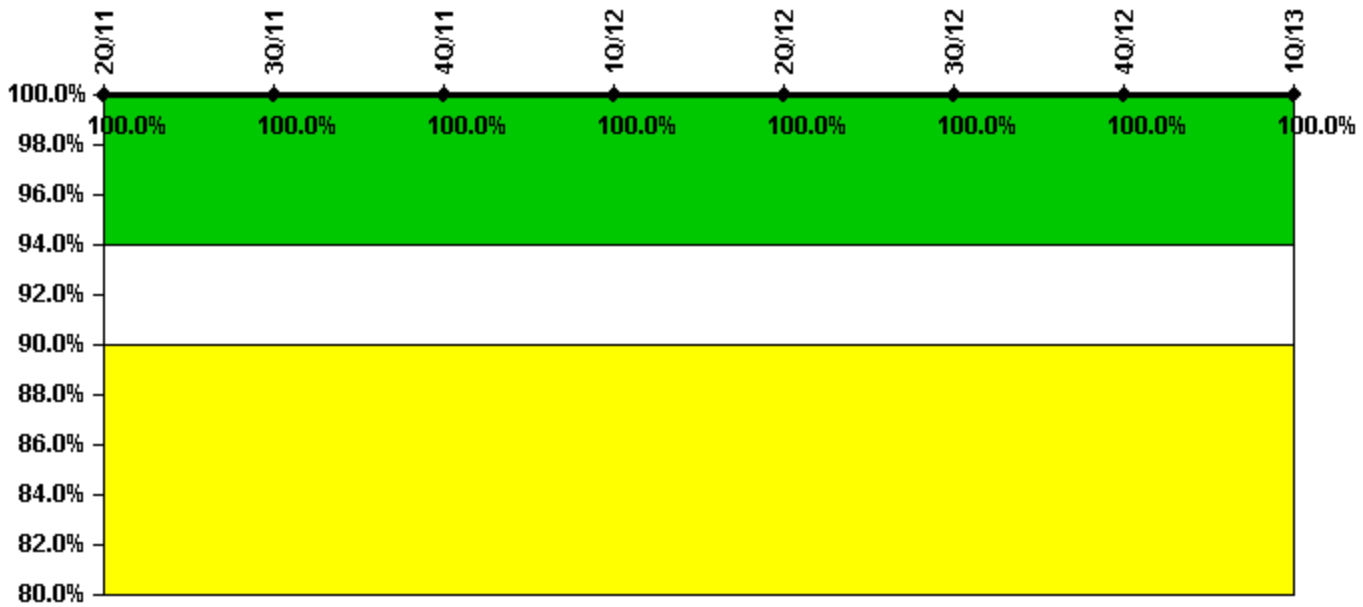
Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	70.0	73.0	71.0	70.0	69.0	72.0	76.0	72.0
Total Key personnel	70.0	73.0	71.0	70.0	69.0	72.0	76.0	72.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

2Q/12: Corrected numerical error in June 2012 from 67 to 69. No impact on PI color.

Alert & Notification System



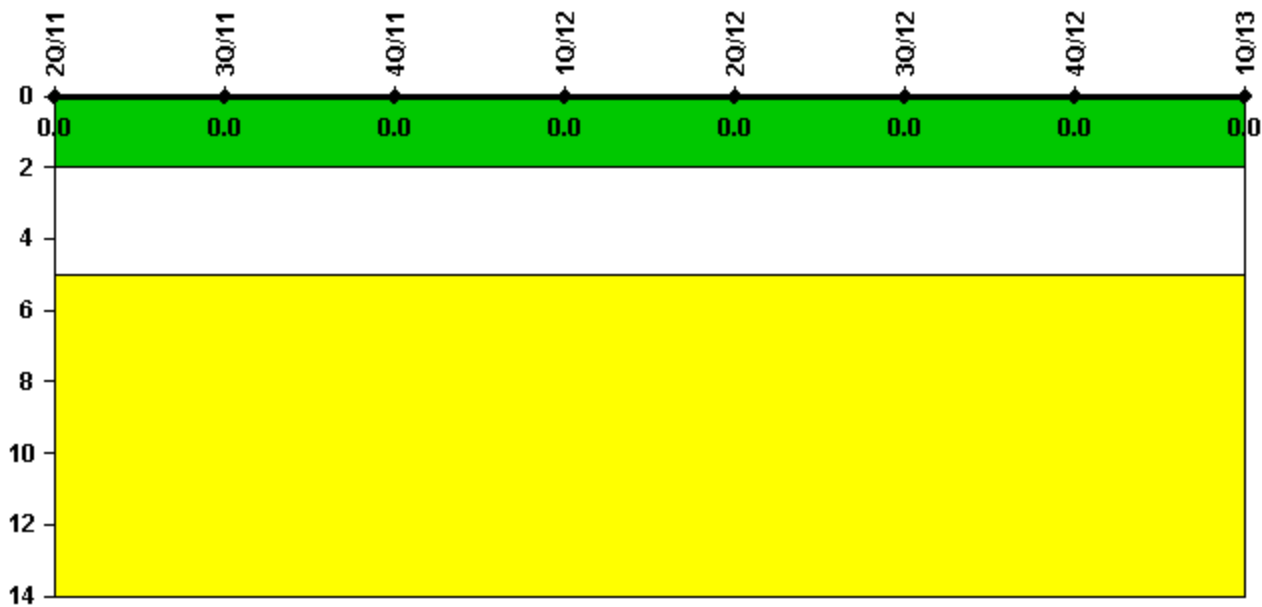
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	63	63	59	63	63	63	63	63
Total sirens-tests	63	63	59	63	63	63	63	63
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



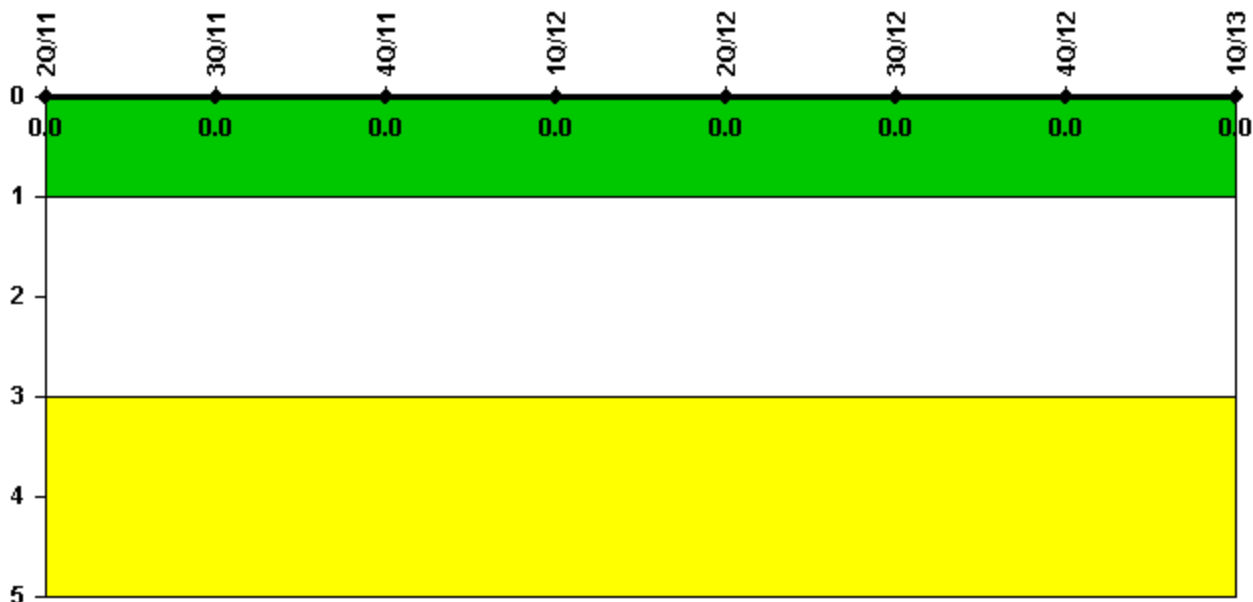
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/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	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/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: April 23, 2013