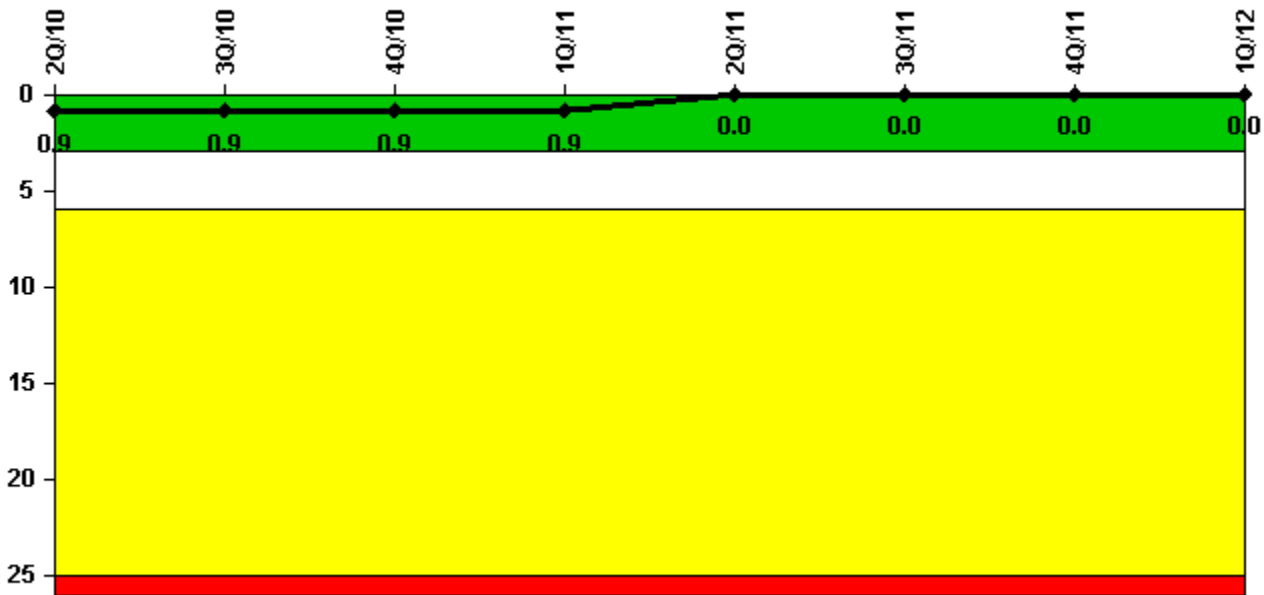


Vermont Yankee

1Q/2012 Performance Indicators

Licensee's General Comments: These change files resulted from a self-assessment of NRC FAQ-471 guidance. The period affected was July 2010 - September 2011 and some data (drill opportunities) were removed from the count. The PI remained Green for the period even after the changes were applied.

Unplanned Scrams per 7000 Critical Hrs



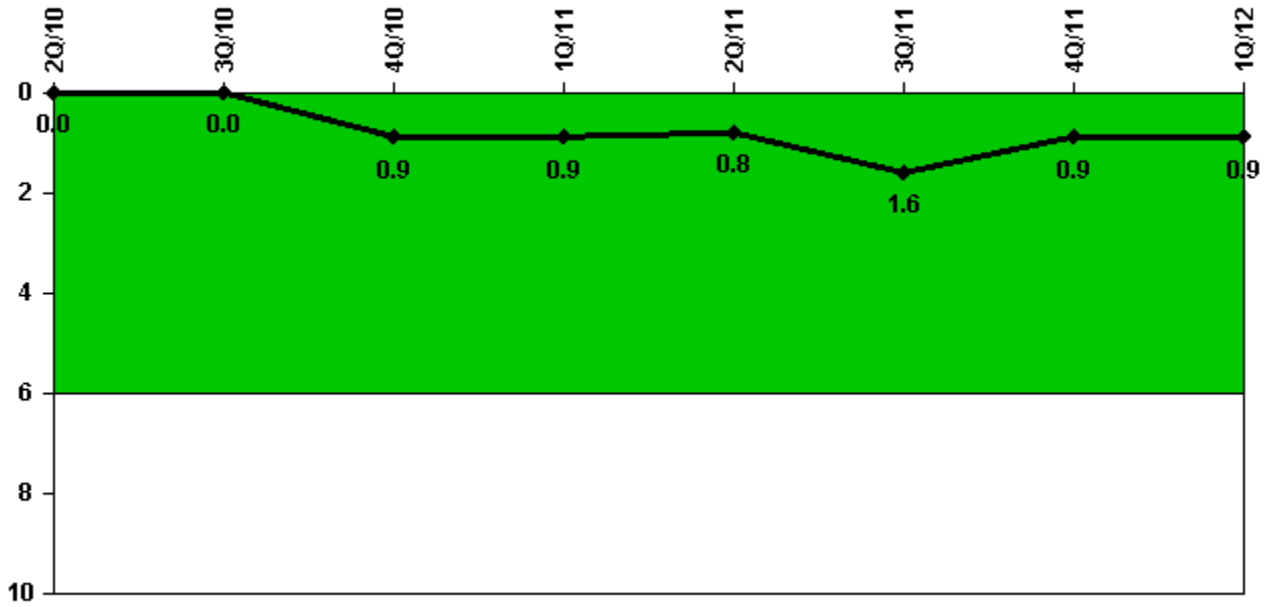
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1472.6	2208.0	2149.5	2159.0	2184.0	2208.0	1626.3	2183.0
Indicator value	0.9	0.9	0.9	0.9	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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	1.0	0	0	1.0	0	0
Critical hours	1472.6	2208.0	2149.5	2159.0	2184.0	2208.0	1626.3	2183.0
Indicator value	0	0	0.9	0.9	0.8	1.6	0.9	0.9

Licensee Comments:

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

Unplanned Scrams with Complications



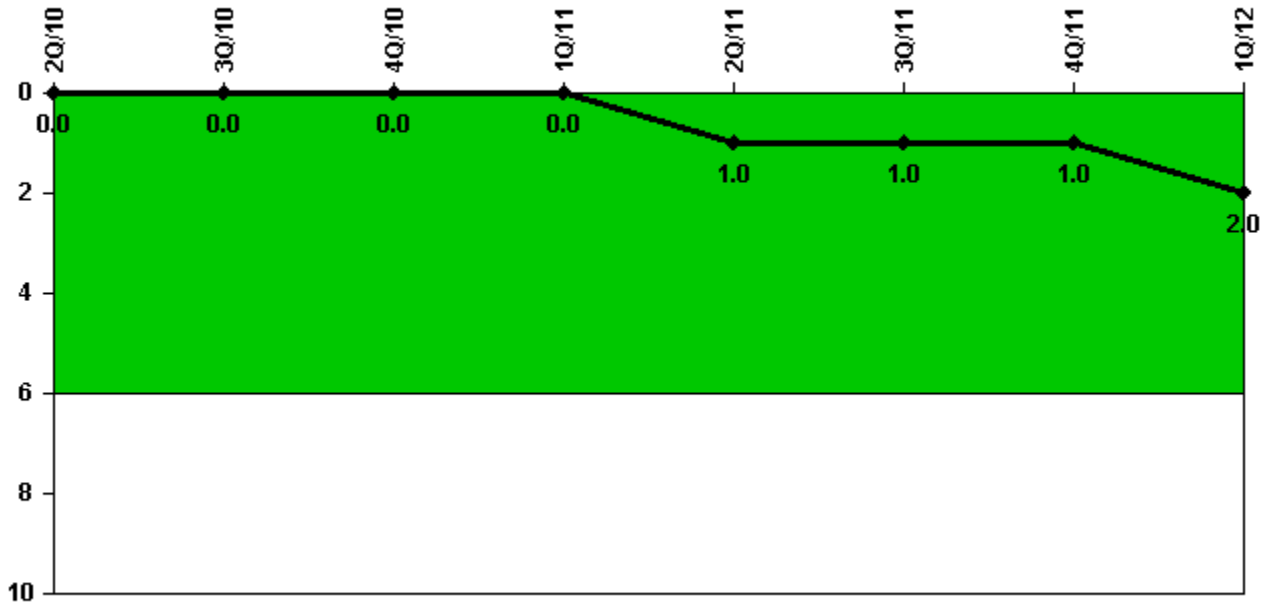
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/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

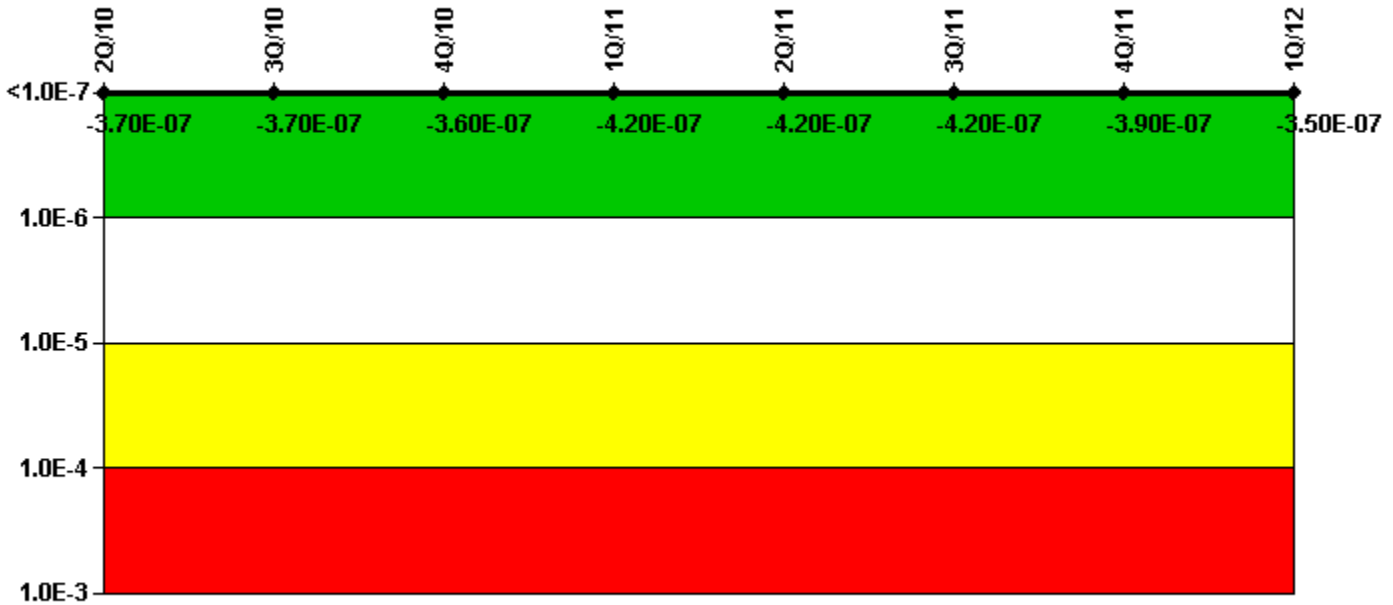
Safety System Functional Failures (BWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	0	0	0	1	0	0	1
Indicator value	0	0	0	0	1	1	1	2

Licensee Comments:

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

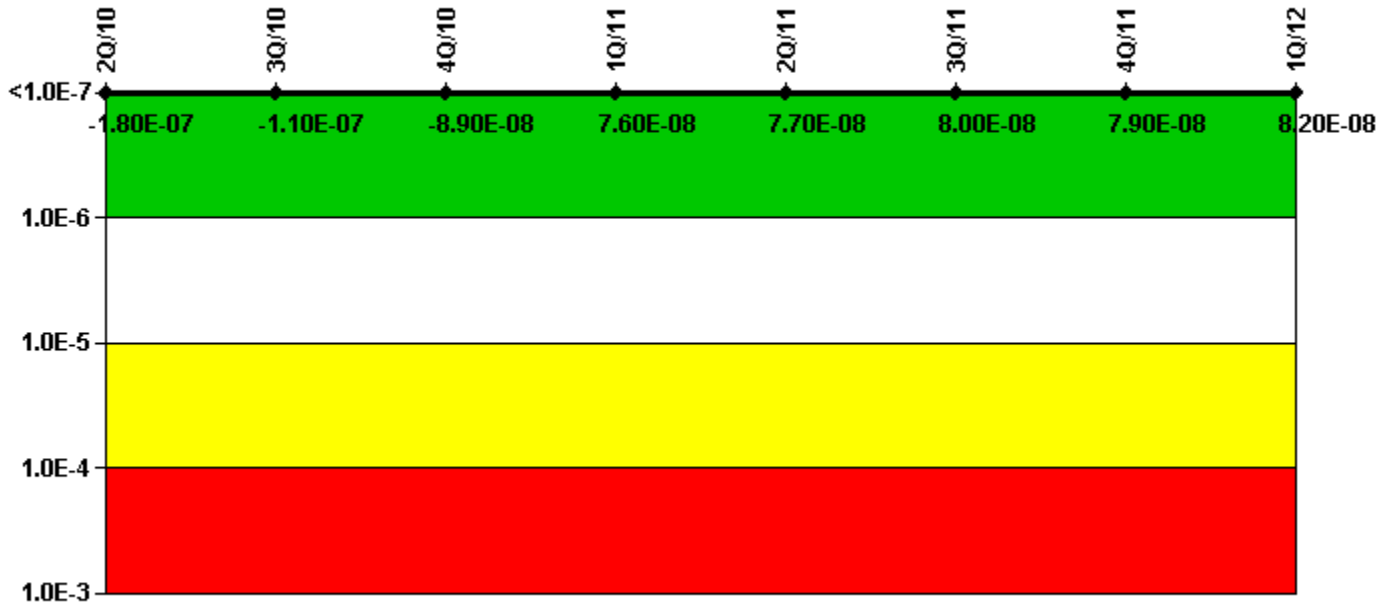
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	3.31E-08	5.87E-08	5.92E-08	-2.94E-09	-4.53E-09	-4.53E-09	2.25E-08	5.92E-08
URI (Δ CDF)	-4.03E-07	-4.26E-07	-4.24E-07	-4.20E-07	-4.18E-07	-4.19E-07	-4.17E-07	-4.14E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.70E-07	-3.70E-07	-3.60E-07	-4.20E-07	-4.20E-07	-4.20E-07	-3.90E-07	-3.50E-07

Licensee Comments:

3Q/10: MSPI PRA values updated starting 07/01/2010.

Mitigating Systems Performance Index, High Pressure Injection System



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

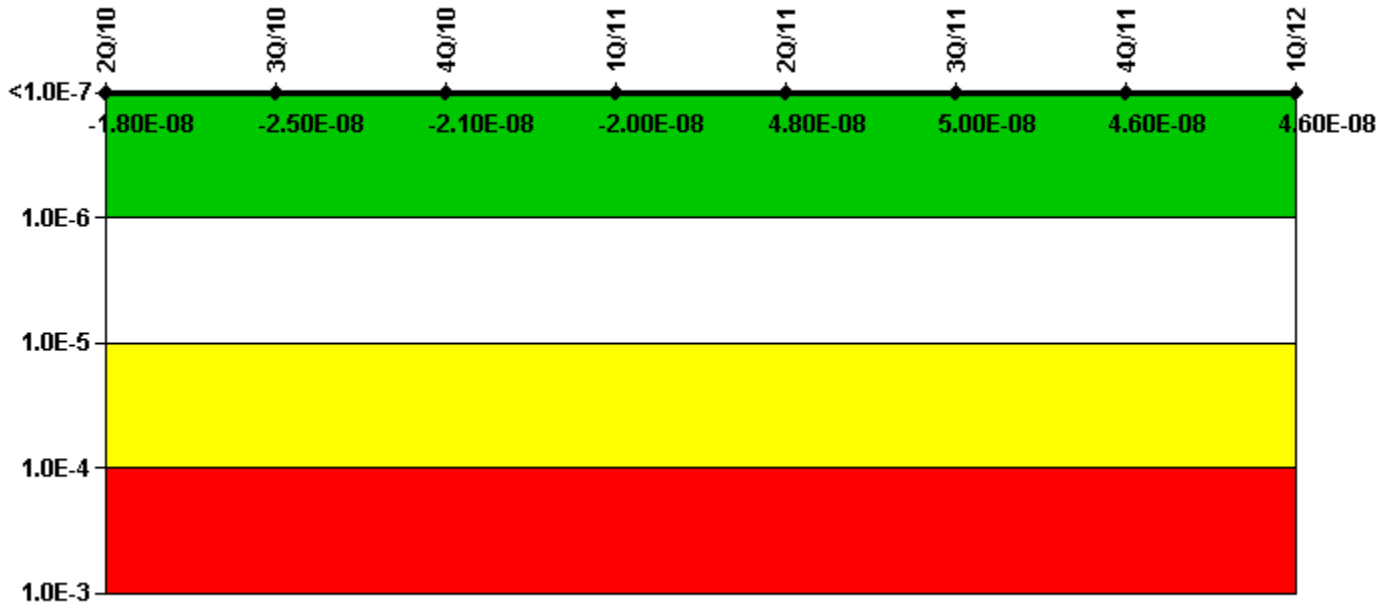
Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-5.83E-08	-3.15E-08	-1.41E-08	-1.26E-08	-1.43E-08	-1.43E-08	-1.55E-08	-1.56E-08
URI (Δ CDF)	-1.24E-07	-7.49E-08	-7.52E-08	8.88E-08	9.17E-08	9.47E-08	9.50E-08	9.81E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.80E-07	-1.10E-07	-8.90E-08	7.60E-08	7.70E-08	8.00E-08	7.90E-08	8.20E-08

Licensee Comments:

3Q/10: MSPI PRA values updated starting 07/01/2010.

Mitigating Systems Performance Index, Heat Removal System



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

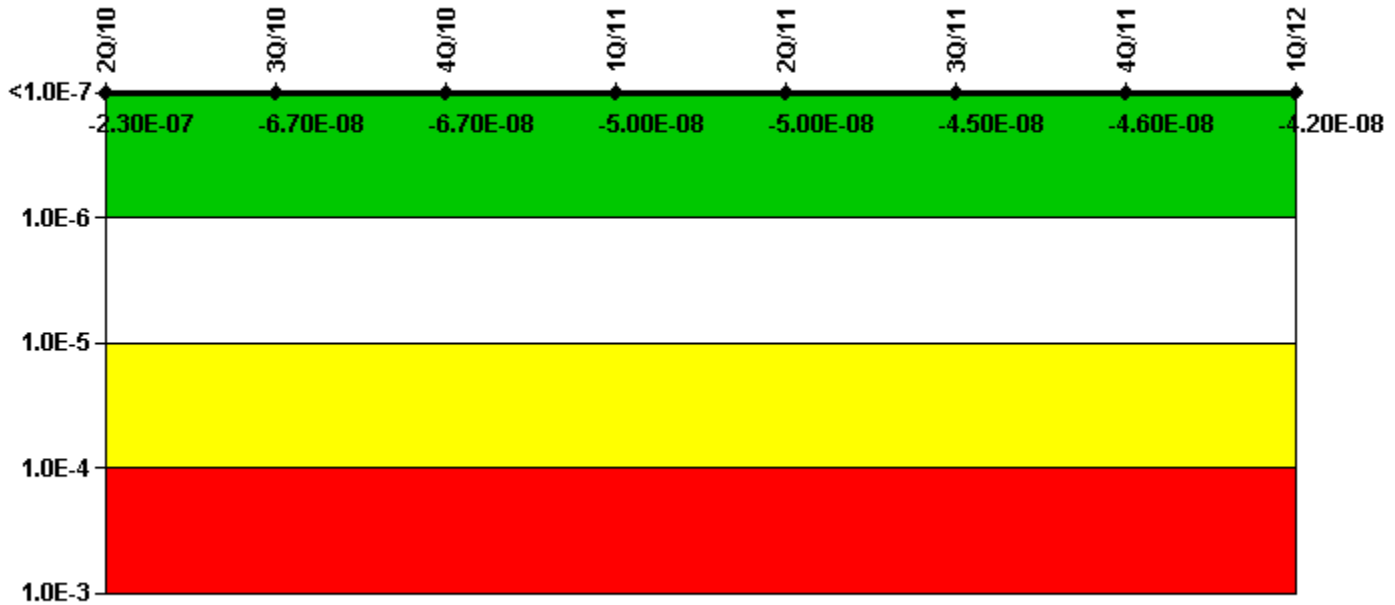
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-5.21E-09	-6.86E-09	-2.40E-09	-1.34E-09	3.11E-09	2.65E-09	-3.19E-09	-3.20E-09
URI (Δ CDF)	-1.30E-08	-1.81E-08	-1.82E-08	-1.82E-08	4.53E-08	4.70E-08	4.87E-08	4.87E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.80E-08	-2.50E-08	-2.10E-08	-2.00E-08	4.80E-08	5.00E-08	4.60E-08	4.60E-08

Licensee Comments:

3Q/10: MSPI PRA values updated starting 07/01/2010.

Mitigating Systems Performance Index, Residual Heat Removal System



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

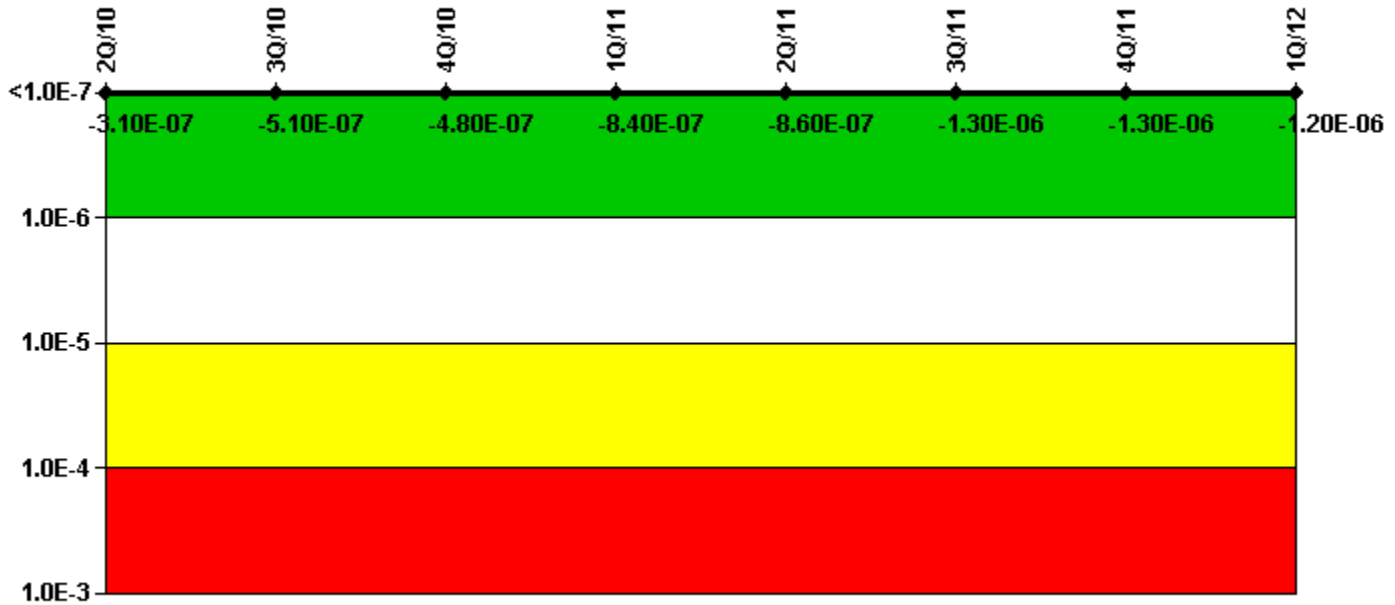
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-3.20E-08	-1.55E-08	-1.55E-08	1.81E-09	1.81E-09	6.37E-09	6.65E-09	9.59E-09
URI (Δ CDF)	-1.94E-07	-5.18E-08	-5.20E-08	-5.18E-08	-5.14E-08	-5.14E-08	-5.22E-08	-5.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-07	-6.70E-08	-6.70E-08	-5.00E-08	-5.00E-08	-4.50E-08	-4.60E-08	-4.20E-08

Licensee Comments:

3Q/10: MSPI PRA values updated starting 07/01/2010.

Mitigating Systems Performance Index, Cooling Water Systems



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

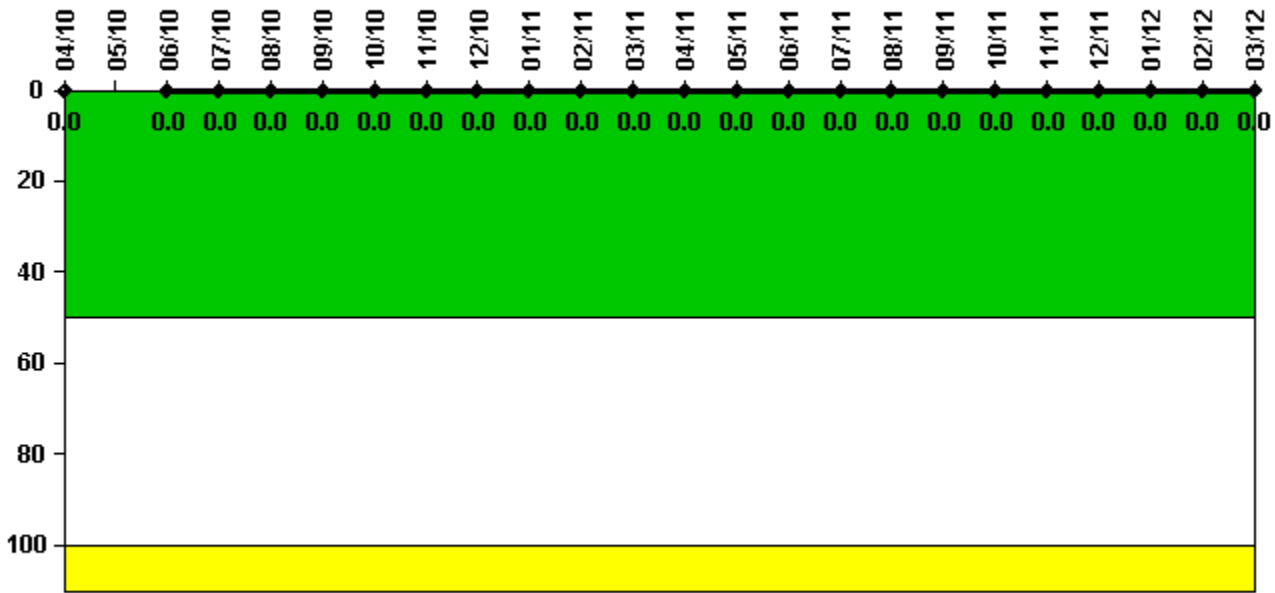
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	1.55E-07	5.71E-08	5.99E-08	1.12E-07	1.12E-07	7.15E-08	7.20E-08	9.31E-08
URI (Δ CDF)	-4.70E-07	-5.71E-07	-5.37E-07	-9.53E-07	-9.68E-07	-1.36E-06	-1.35E-06	-1.31E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.10E-07	-5.10E-07	-4.80E-07	-8.40E-07	-8.60E-07	-1.30E-06	-1.30E-06	-1.20E-06

Licensee Comments:

3Q/10: MSPI PRA values updated starting 07/01/2010.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

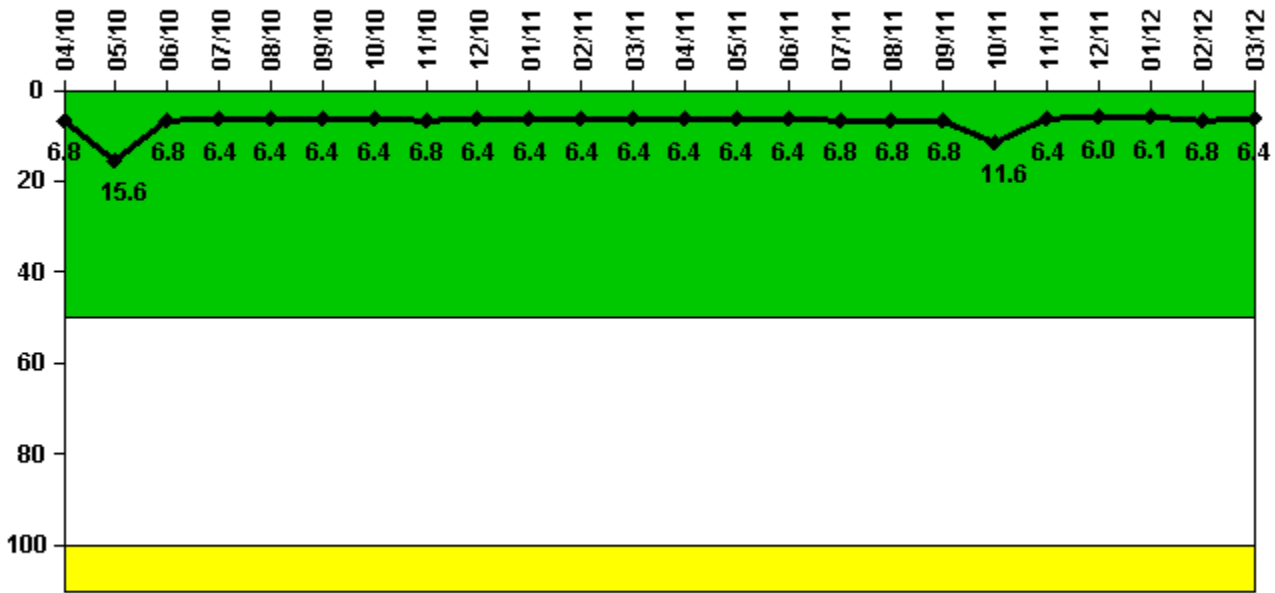
Notes

Reactor Coolant System Activity	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum activity	0.000045	N/A	0.000008	0.000008	0.000007	0.000009	0.000006	0.000006	0.000008	0.000010	0.000010	0.000007
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	N/A	0	0	0	0	0	0	0	0	0	0

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

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

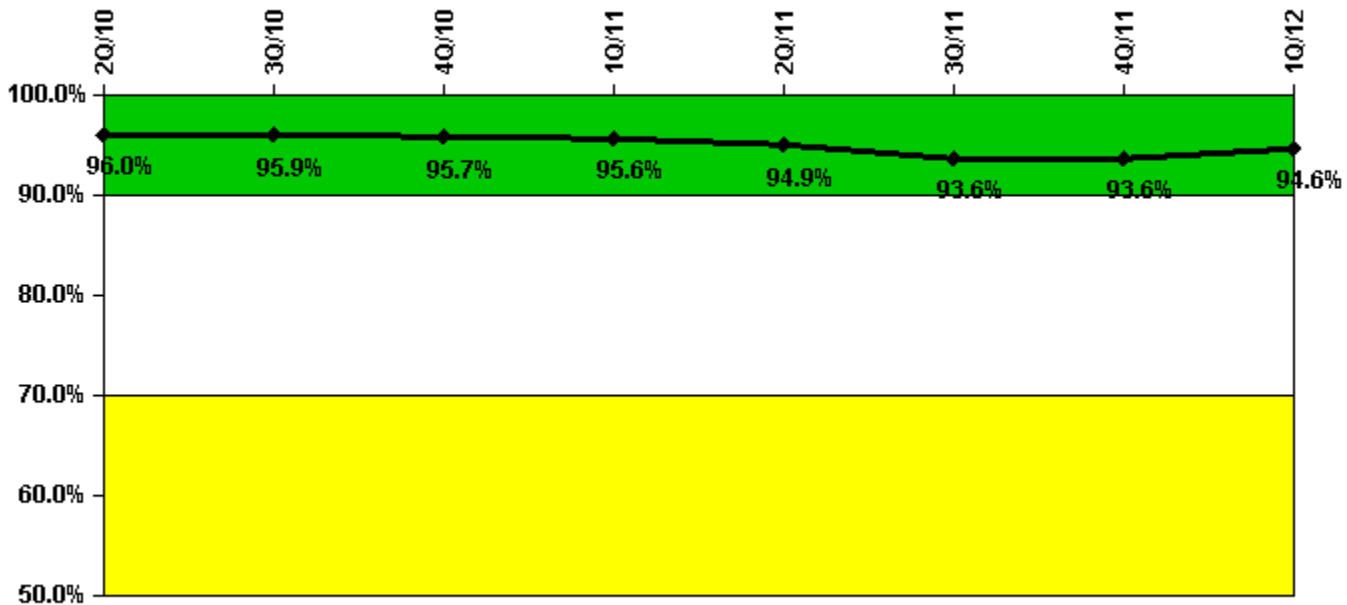
Notes

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	1.700	3.900	1.700	1.600	1.600	1.600	1.600	1.700	1.600	1.600	1.600	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	6.8	15.6	6.8	6.4	6.4	6.4	6.4	6.8	6.4	6.4	6.4	6.4
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

Licensee Comments:

6/10: The plant entered start-up on May 22nd and May 28th. The maximum unidentified system leakage was 0.5.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	22.0	37.0	29.0	18.0	68.0	26.0	12.0	16.0
Total opportunities	24.0	39.0	31.0	20.0	71.0	28.0	12.0	16.0
Indicator value	96.0%	95.9%	95.7%	95.6%	94.9%	93.6%	93.6%	94.6%

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.

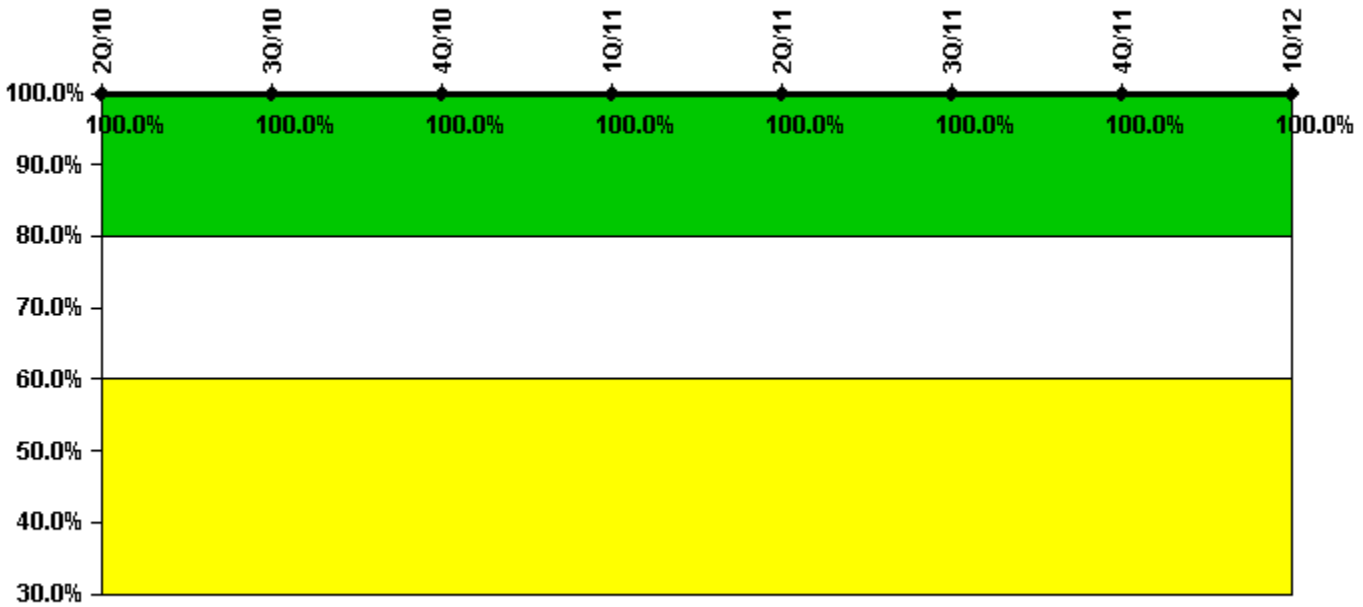
1Q/11: A March 2012 self-assessment found guidance from NRC FAQ-471 was not implemented at VY. The period from July 2010 to September 2011 was affected. The PI remained green for the period after affected notification opportunities were removed.

4Q/10: 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.

3Q/10: 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 opportunities were removed.

3Q/10: September data was revised as follows: Several drill opportunities should have been counted in October and were moved from September. Also, several opportunities were incorrectly identified as failures. This was found as part of a focused self assessment conducted in December.

ERO Drill Participation



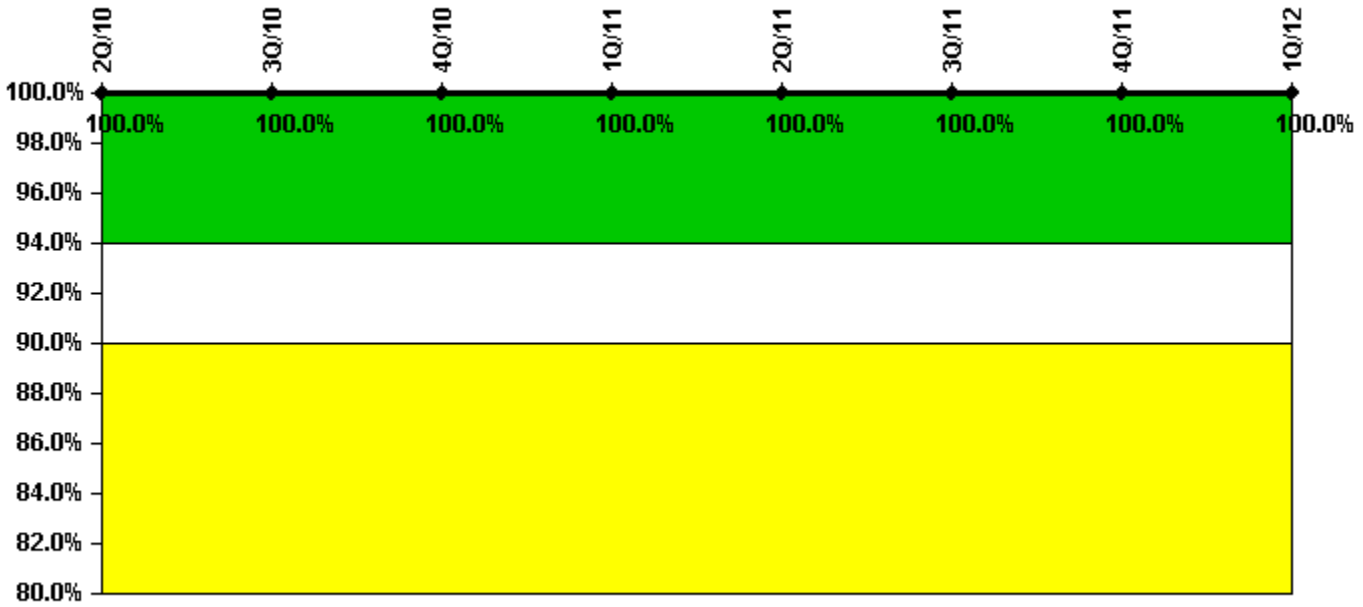
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	66.0	62.0	64.0	65.0	70.0	73.0	71.0	70.0
Total Key personnel	66.0	62.0	64.0	65.0	70.0	73.0	71.0	70.0
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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	63	63	63	63	63	63	59	63
Total sirens-tests	63	63	63	63	63	63	59	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



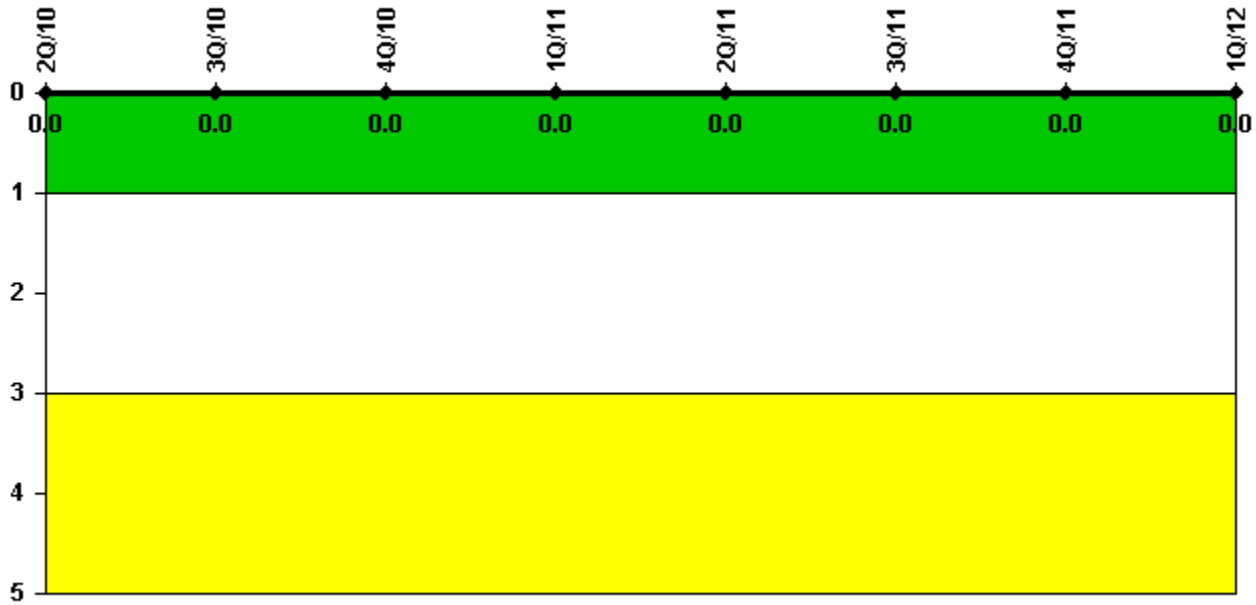
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/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

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/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

[Security](#) information not publicly available.