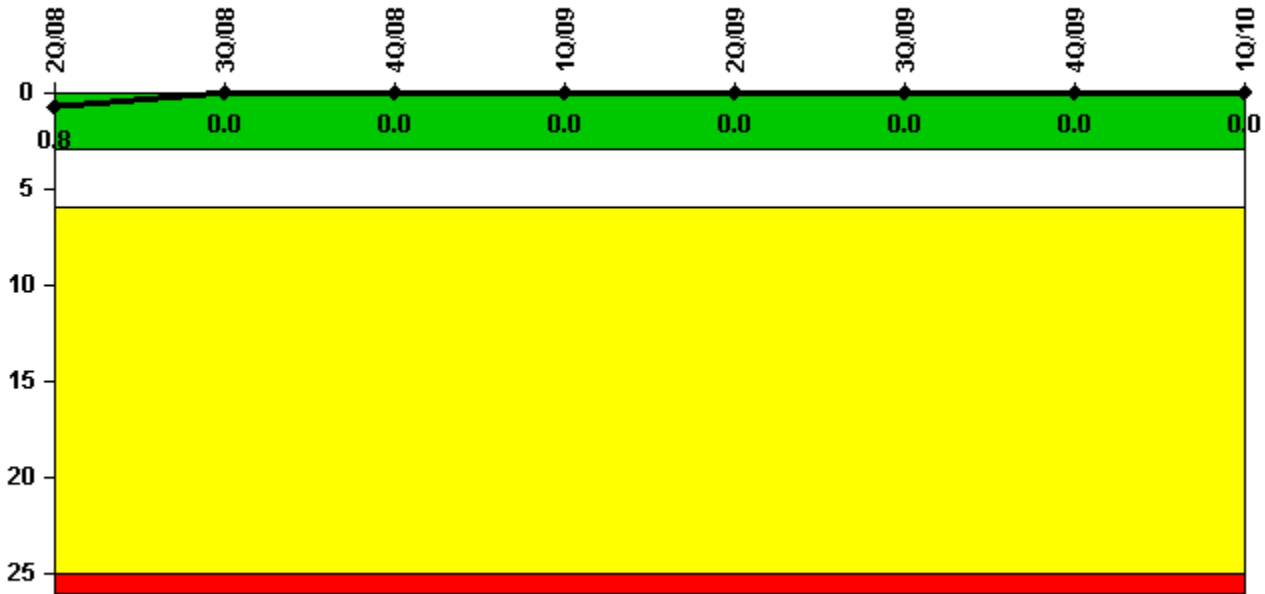


Vermont Yankee

1Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



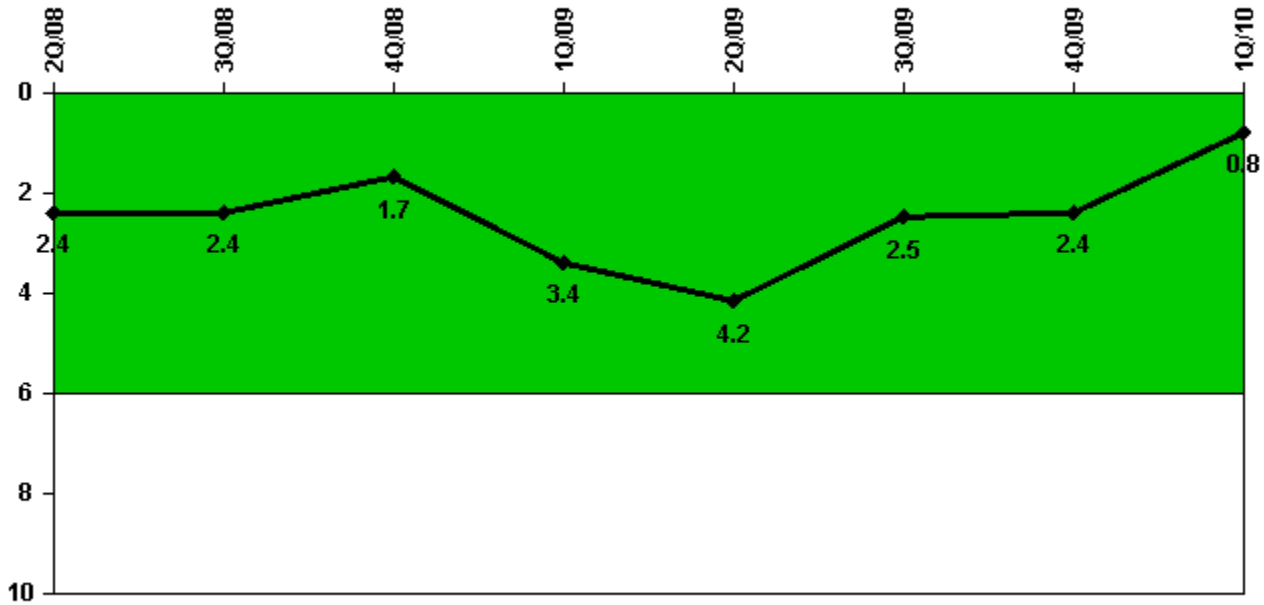
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1694.6	2159.0	2184.0	2208.0	2209.0	2159.0
Indicator value	0.8	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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	2.0	0	2.0	1.0	0	0	0
Critical hours	2184.0	2208.0	1694.6	2159.0	2184.0	2208.0	2209.0	2159.0
Indicator value	2.4	2.4	1.7	3.4	4.2	2.5	2.4	0.8

Licensee Comments:

1Q/10: VY based on NRC review added one additional unplanned power change to the first and second quarters of 2009. These items have been added to VY's corrective action program.

2Q/09: VY based on NRC review added one unplanned power change to this quarter. This item has been added to VY's corrective action program.

1Q/09: VY based on NRC review added one additional unplanned power change to this quarter. This item has been added to VY's corrective action program.

Unplanned Scrams with Complications



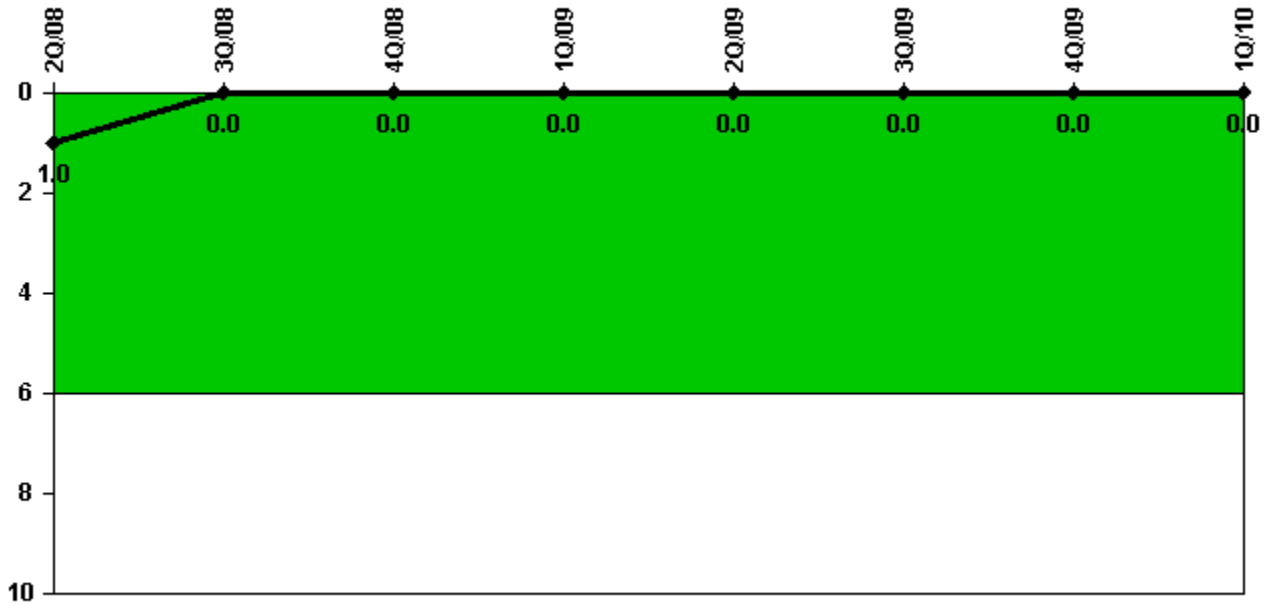
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
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)



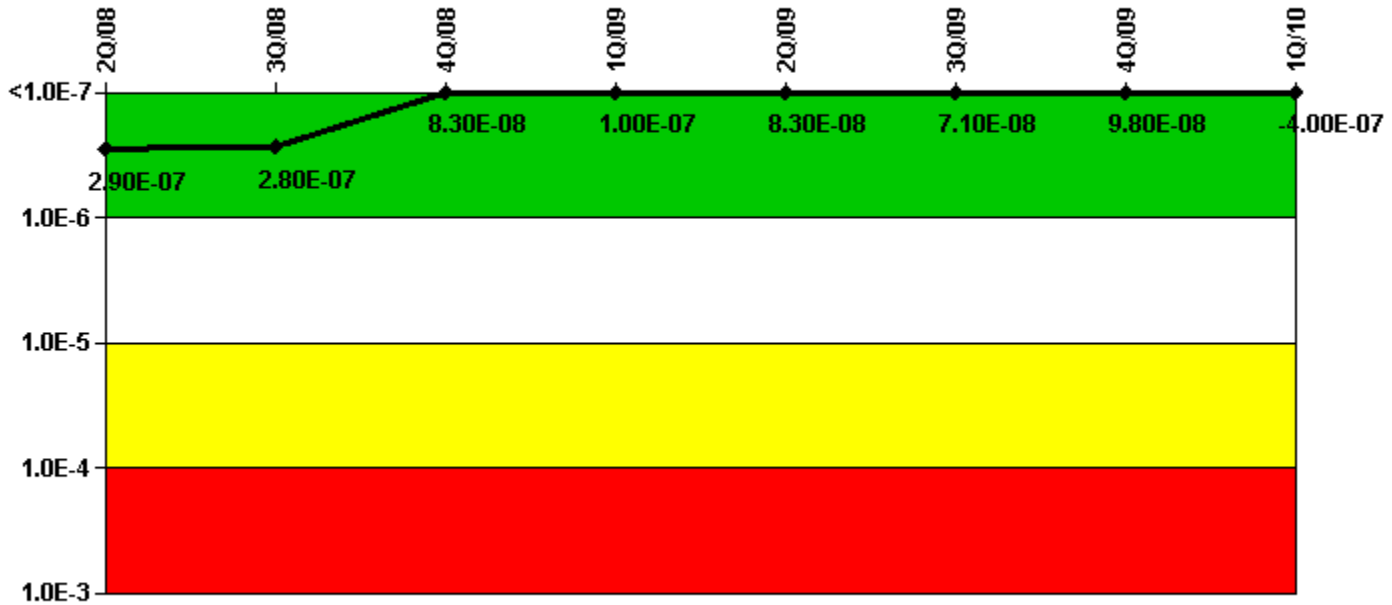
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	1	0	0	0	0	0	0	0

Licensee Comments: none

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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	1.40E-08	1.36E-08	-1.27E-08	1.05E-08	-1.33E-08	-3.17E-08	-3.48E-10	-3.55E-09
URI (Δ CDF)	2.75E-07	2.62E-07	9.57E-08	8.92E-08	9.67E-08	1.02E-07	9.80E-08	-3.95E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.90E-07	2.80E-07	8.30E-08	1.00E-07	8.30E-08	7.10E-08	9.80E-08	-4.00E-07

Licensee Comments:

4Q/09: Risk Cap Invoked.

3Q/09: Risk Cap Invoked.

2Q/09: Risk Cap Invoked.

1Q/09: Risk Cap Invoked.

4Q/08: Risk Cap Invoked.

3Q/08: Risk Cap Invoked. In the first quarter 2008 Vermont Yankee Nuclear Power Station approved a revision to its probability risk assessment (PRA) for the mitigating systems. The revised PRA recovered margin for the PIs and changed the values reported to the NRC. This changes was effective in the 1Q08 data submittal.

2Q/08: Risk Cap Invoked.

1Q/08: Risk Cap Invoked.

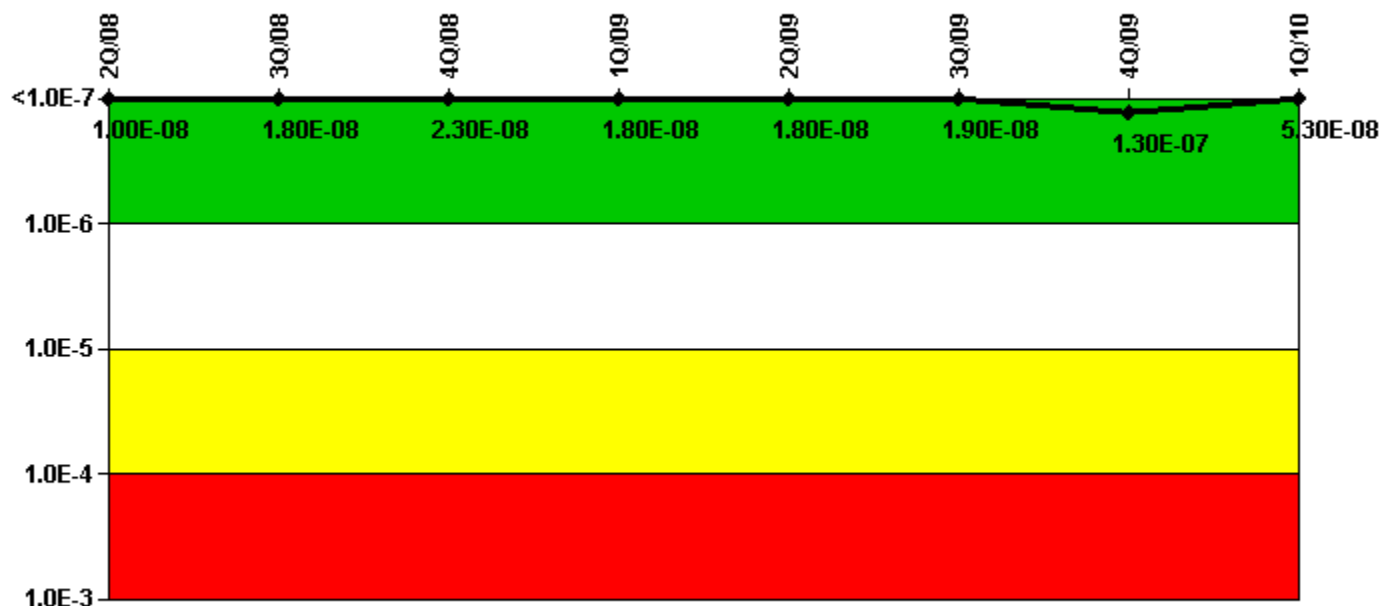
4Q/07: Risk Cap Invoked.

3Q/07: Risk Cap Invoked.

2Q/07: Risk Cap Invoked.

1Q/07: Risk Cap Invoked. Updated in April 2008 to record a previously unreported February 2007 run time failure.

Mitigating Systems Performance Index, High Pressure Injection System



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

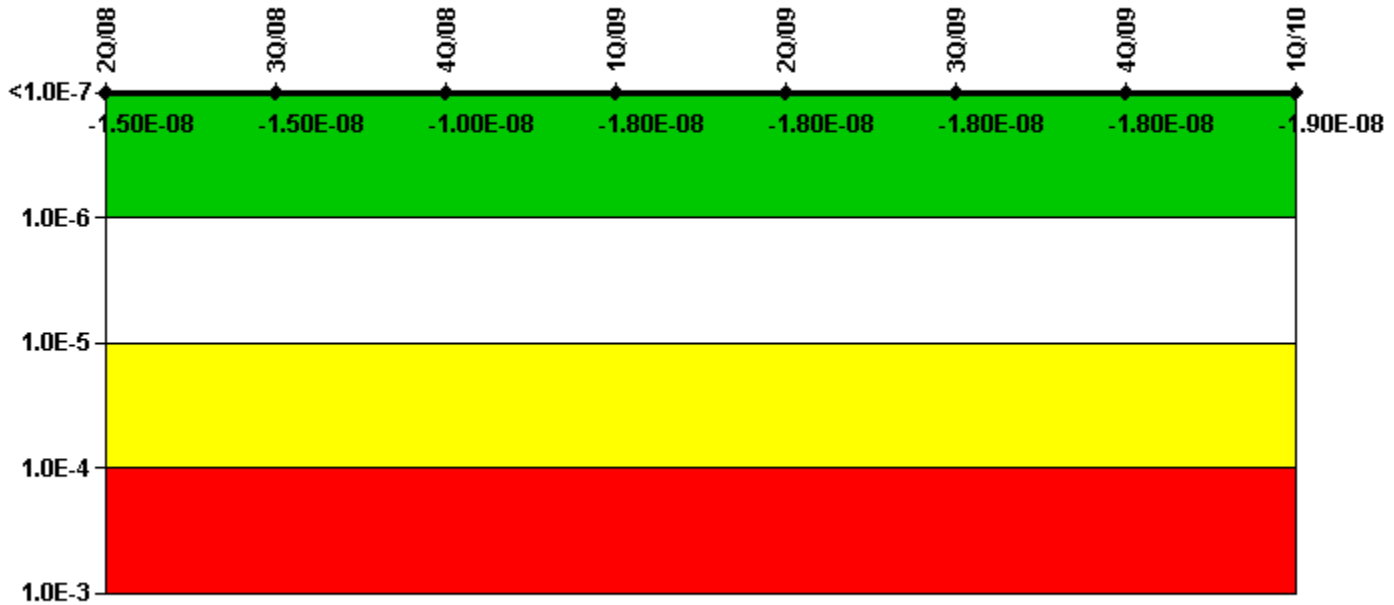
Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	8.85E-08	8.81E-08	8.85E-08	8.85E-08	8.85E-08	8.10E-08	1.92E-07	1.09E-07
URI (Δ CDF)	-7.81E-08	-6.99E-08	-6.60E-08	-7.04E-08	-7.05E-08	-6.15E-08	-6.29E-08	-5.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.00E-08	1.80E-08	2.30E-08	1.80E-08	1.80E-08	1.90E-08	1.30E-07	5.30E-08

Licensee Comments:

3Q/08: In the first quarter 2008 Vermont Yankee Nuclear Power Station approved a revision to its probability risk assessment (PRA) for the mitigating systems. The revised PRA recovered margin for the PIs and changed the values reported to the NRC. This changes was effective in the 1Q08 data submittal.

Mitigating Systems Performance Index, Heat Removal System



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

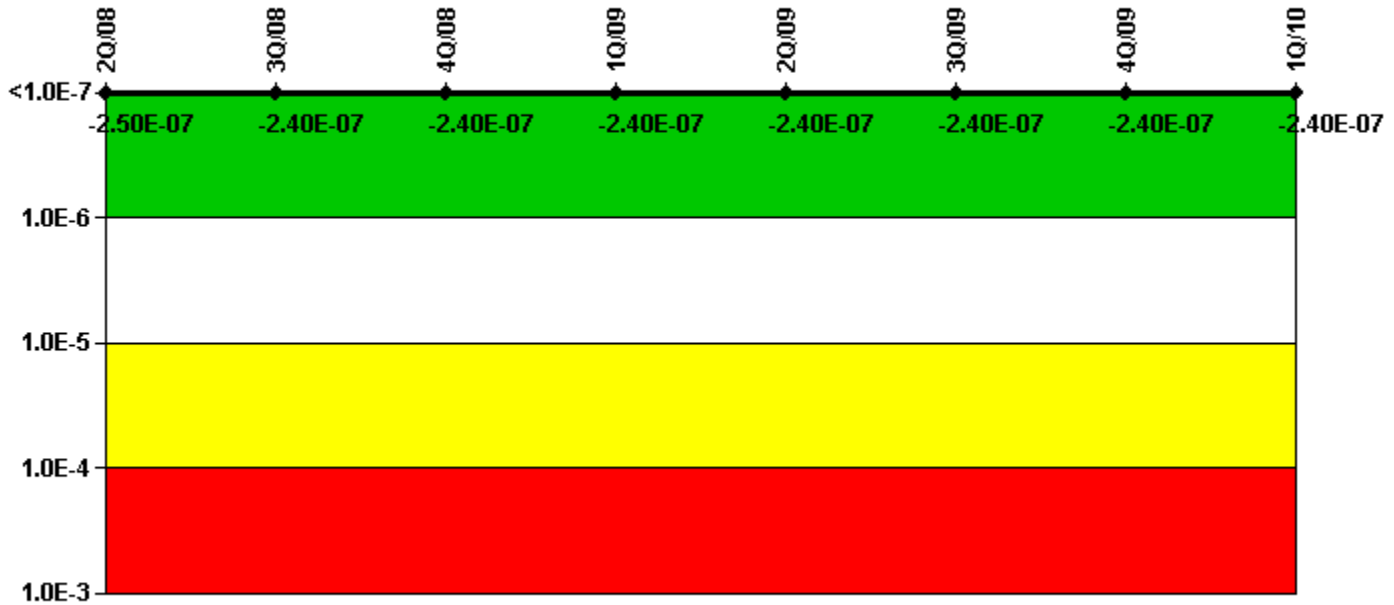
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-1.86E-09	-1.90E-09	3.49E-09	-5.21E-09	-5.21E-09	-5.21E-09	-5.04E-09	-4.80E-09
URI (Δ CDF)	-1.31E-08	-1.31E-08	-1.35E-08	-1.31E-08	-1.31E-08	-1.31E-08	-1.31E-08	-1.39E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-08	-1.50E-08	-1.00E-08	-1.80E-08	-1.80E-08	-1.80E-08	-1.80E-08	-1.90E-08

Licensee Comments:

3Q/08: In the first quarter 2008 Vermont Yankee Nuclear Power Station approved a revision to its probability risk assessment (PRA) for the mitigating systems. The revised PRA recovered margin for the PIs and changed the values reported to the NRC. This changes was effective in the 1Q08 data submittal.

Mitigating Systems Performance Index, Residual Heat Removal System



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

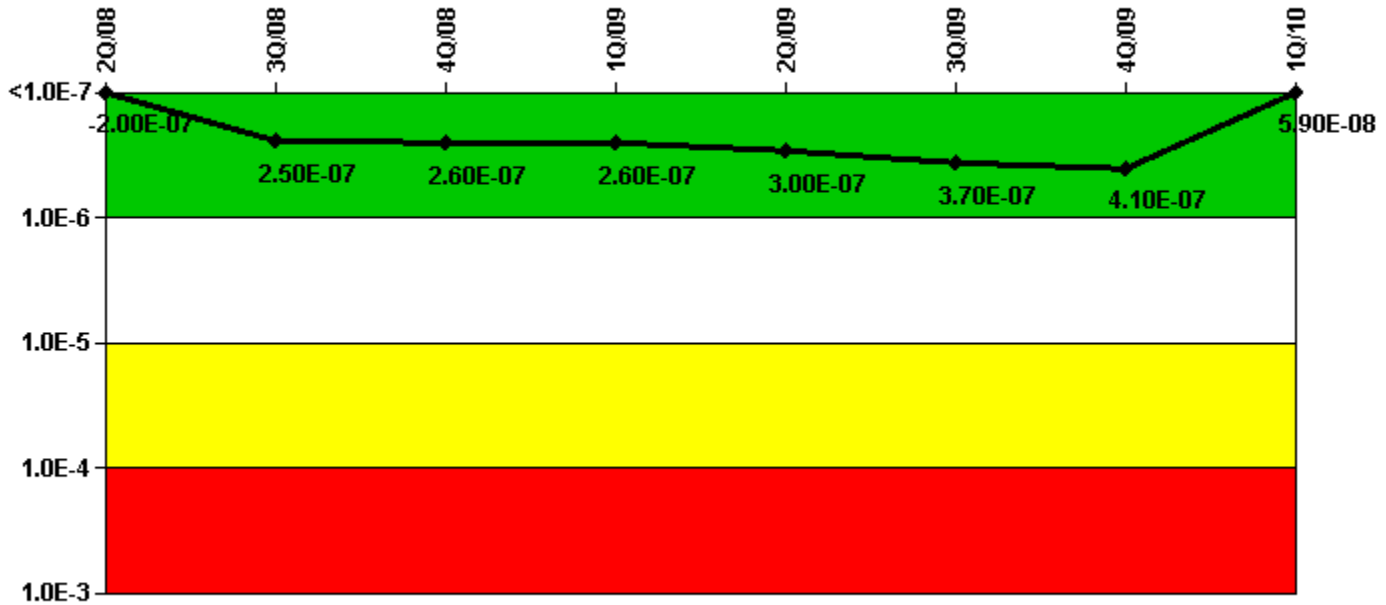
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-4.02E-08	-4.02E-08	-4.02E-08	-4.02E-08	-4.02E-08	-4.02E-08	-4.62E-08	-4.62E-08
URI (Δ CDF)	-2.07E-07	-2.04E-07	-2.02E-07	-2.02E-07	-2.02E-07	-1.99E-07	-1.97E-07	-1.96E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.50E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07

Licensee Comments:

3Q/08: In the first quarter 2008 Vermont Yankee Nuclear Power Station approved a revision to its probability risk assessment (PRA) for the mitigating systems. The revised PRA recovered margin for the PIs and changed the values reported to the NRC. This changes was effective in the 1Q08 data submittal.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

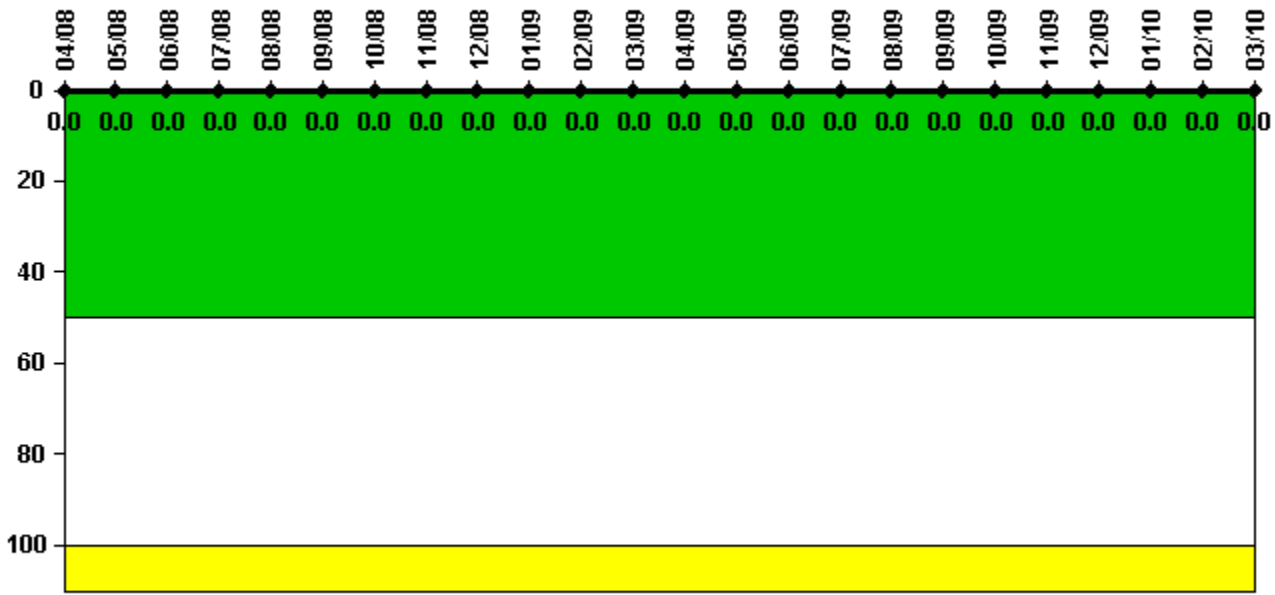
Mitigating Systems Performance Index, Cooling Water Systems	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	8.41E-08	1.88E-07	1.88E-07	1.88E-07	1.93E-07	2.00E-07	2.16E-07	1.56E-07
URI (ΔCDF)	-2.83E-07	5.76E-08	7.04E-08	7.52E-08	1.02E-07	1.68E-07	1.90E-07	-9.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.00E-07	2.50E-07	2.60E-07	2.60E-07	3.00E-07	3.70E-07	4.10E-07	5.90E-08

Licensee Comments:

3Q/08: In the first quarter 2008 Vermont Yankee Nuclear Power Station approved a revision to its probability risk assessment (PRA) for the mitigating systems. The revised PRA recovered margin for the PIs and changed the values reported to the NRC. This changes was effective in the 1Q08 data submittal.

1Q/07: The URI value was updated to reflect inclusion of the correct MSPI Failure Mode for the "A" Service Water Pump (Run Time failure). Previous selection of an accurate EPIX-based Failure Mode in the Consolidated Data Entry program conservatively introduced an incorrect Demand failure into the URI calculation.

Reactor Coolant System Activity



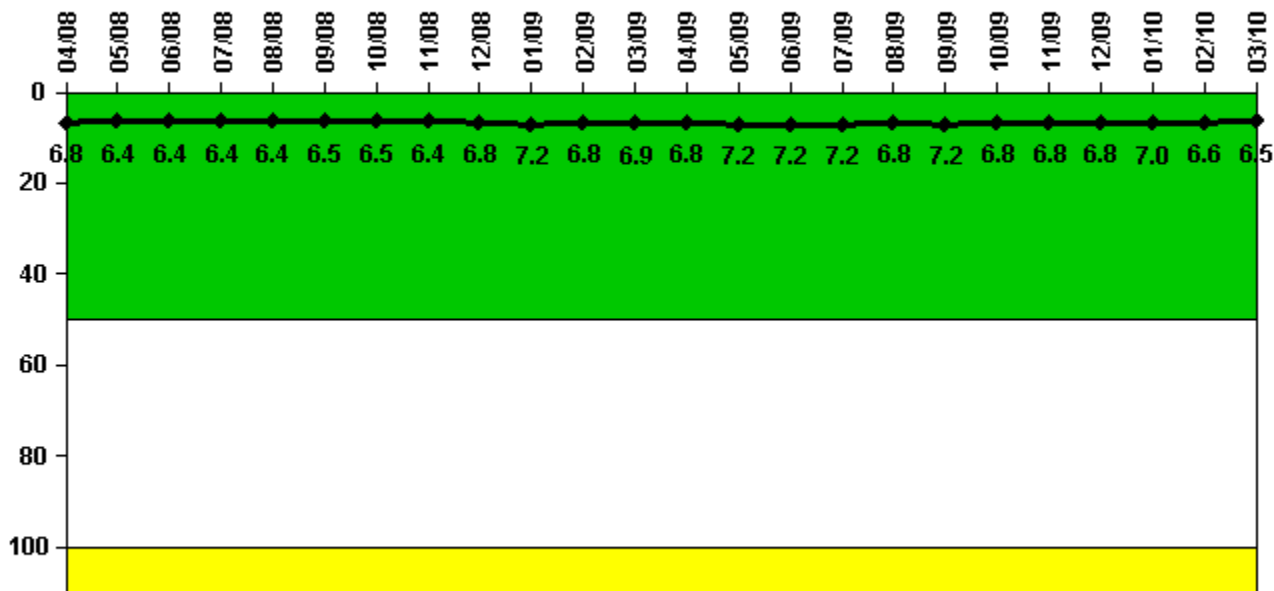
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum activity	0.000031	0.000037	0.000030	0.000054	0.000047	0.000030	0.000037	0.000011	0.000007	0.000008	0.000013	0.000016
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	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	0.000012	0.000021	0.000024	0.000022	0.000023	0.000022	0.000022	0.000025	0.000021	0.000036	0.000036	0.000030
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



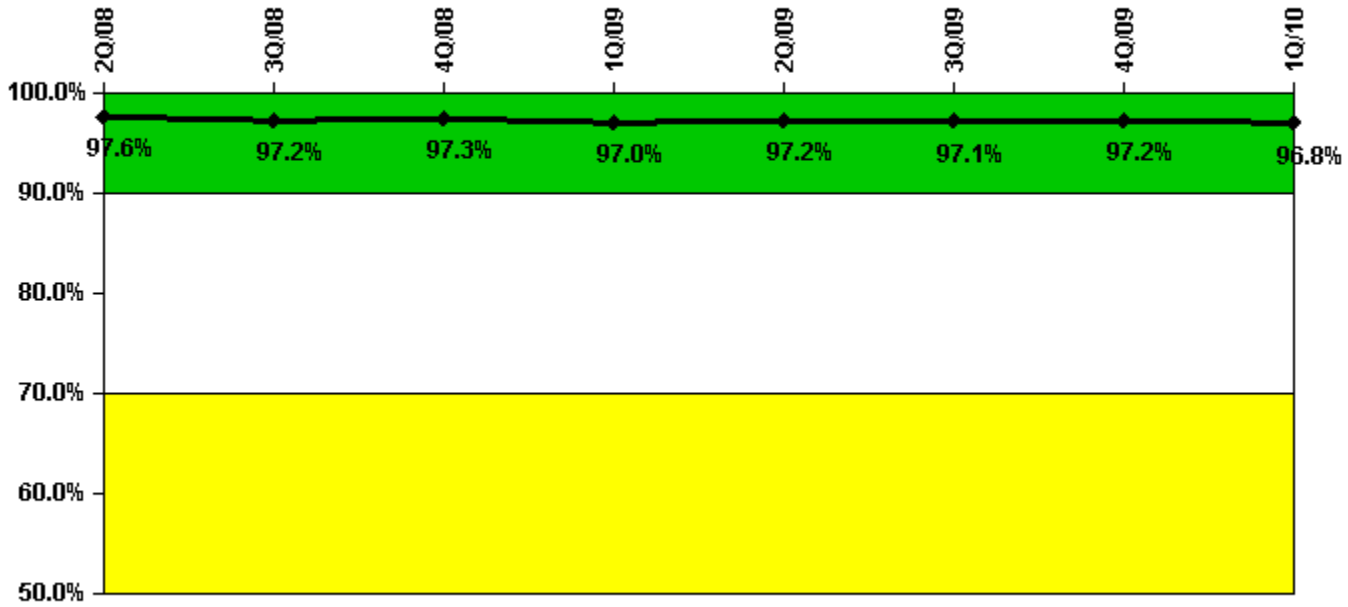
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	1.700	1.600	1.600	1.600	1.600	1.630	1.620	1.600	1.700	1.800	1.700	1.720
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	6.4	6.4	6.4	6.4	6.5	6.5	6.4	6.8	7.2	6.8	6.9
Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	1.700	1.800	1.800	1.800	1.700	1.800	1.700	1.700	1.700	1.740	1.650	1.620
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	7.2	7.2	7.2	6.8	7.2	6.8	6.8	6.8	7.0	6.6	6.5

Licensee Comments: none

Drill/Exercise Performance



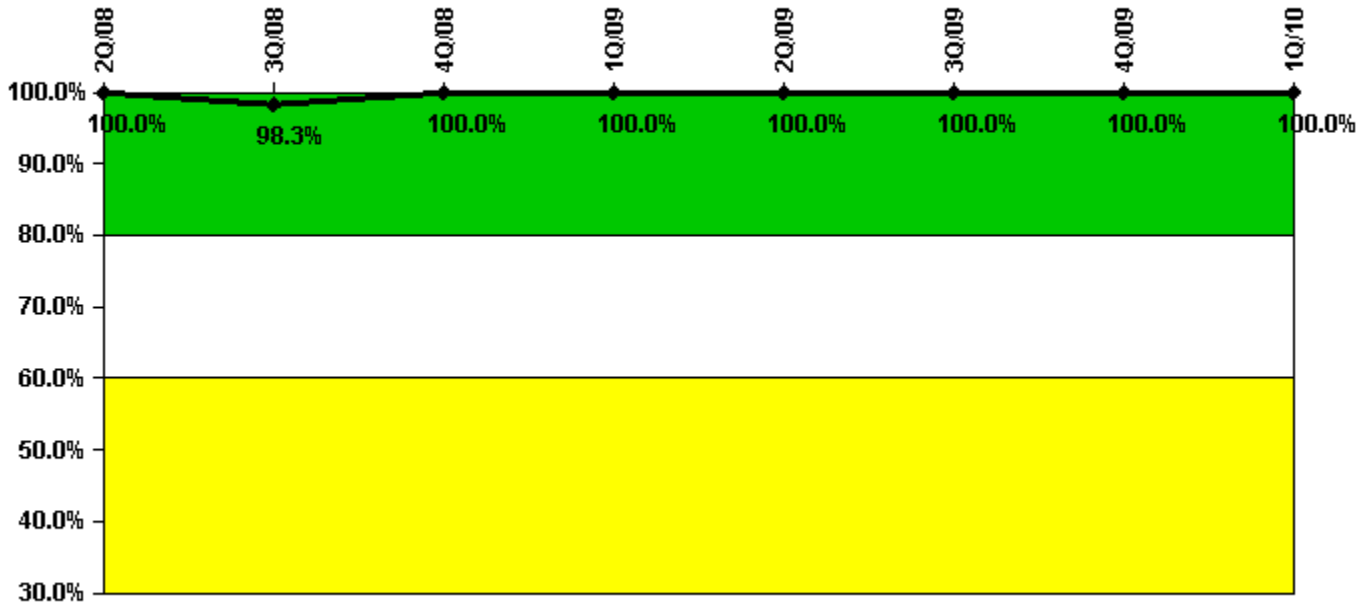
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	36.0	75.0	17.0	49.0	48.0	70.0	12.0	23.0
Total opportunities	36.0	78.0	18.0	52.0	48.0	71.0	12.0	26.0
Indicator value	97.6%	97.2%	97.3%	97.0%	97.2%	97.1%	97.2%	96.8%

Licensee Comments: none

ERO Drill Participation



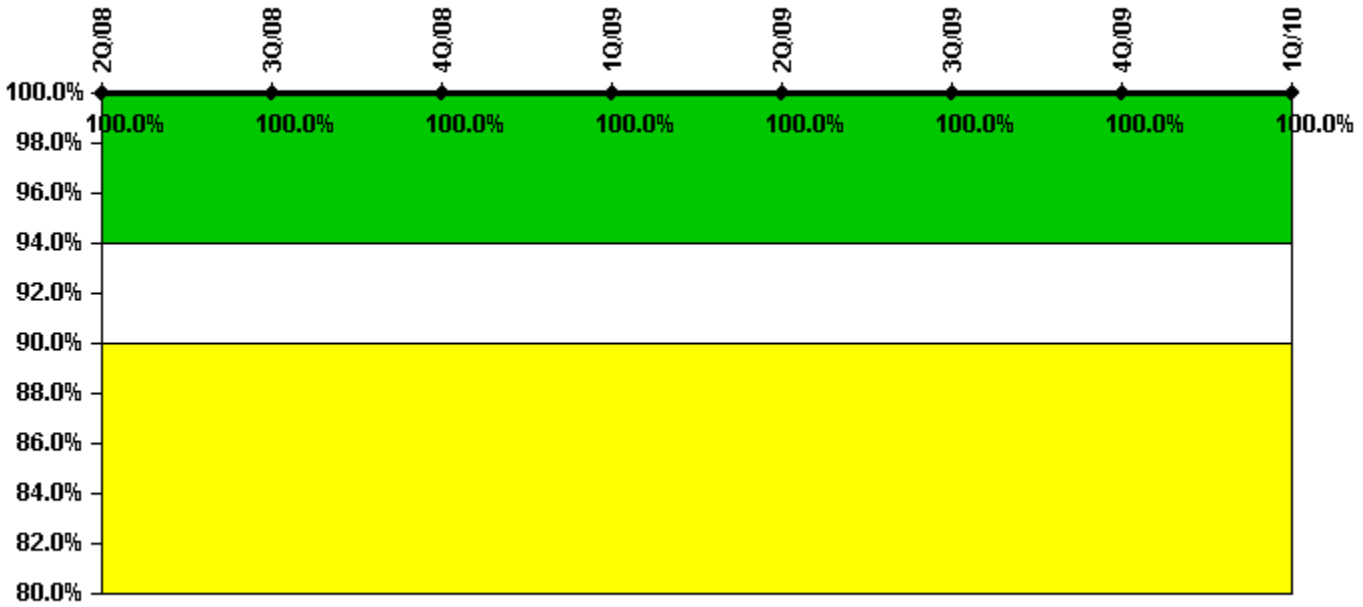
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	62.0	59.0	57.0	61.0	63.0	66.0	67.0	67.0
Total Key personnel	62.0	60.0	57.0	61.0	63.0	66.0	67.0	67.0
Indicator value	100.0%	98.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



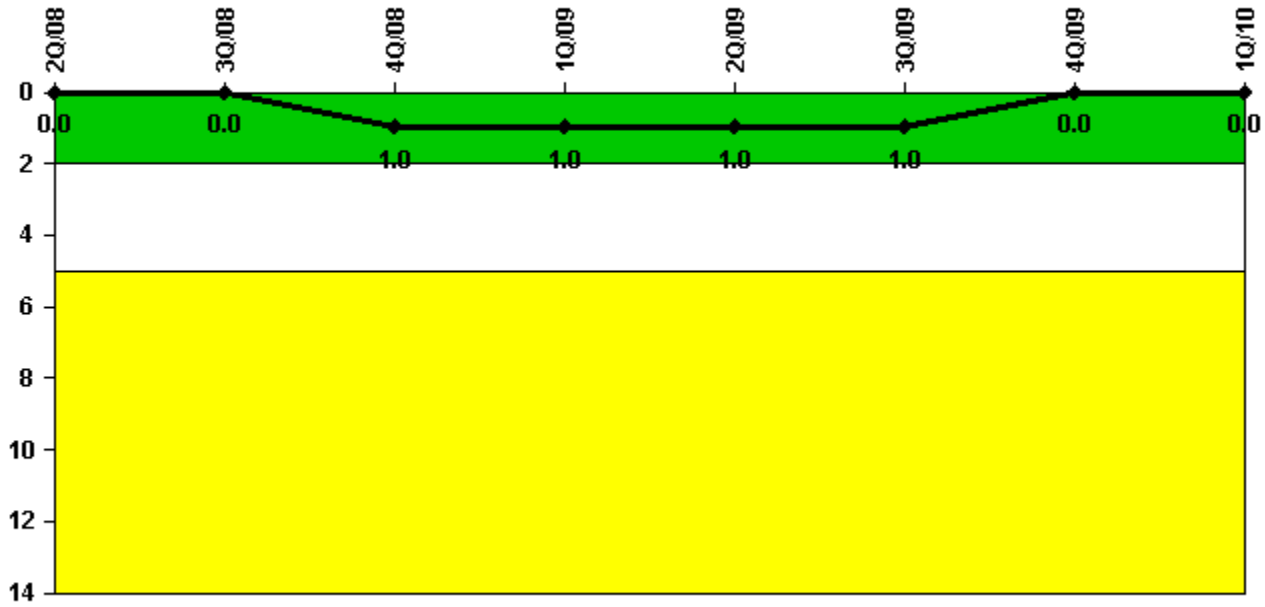
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	63	63	63	63	63	63	63	63
Total sirens-tests	63	63	63	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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
High radiation area occurrences	0	0	1	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	1	1	1	1	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
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.