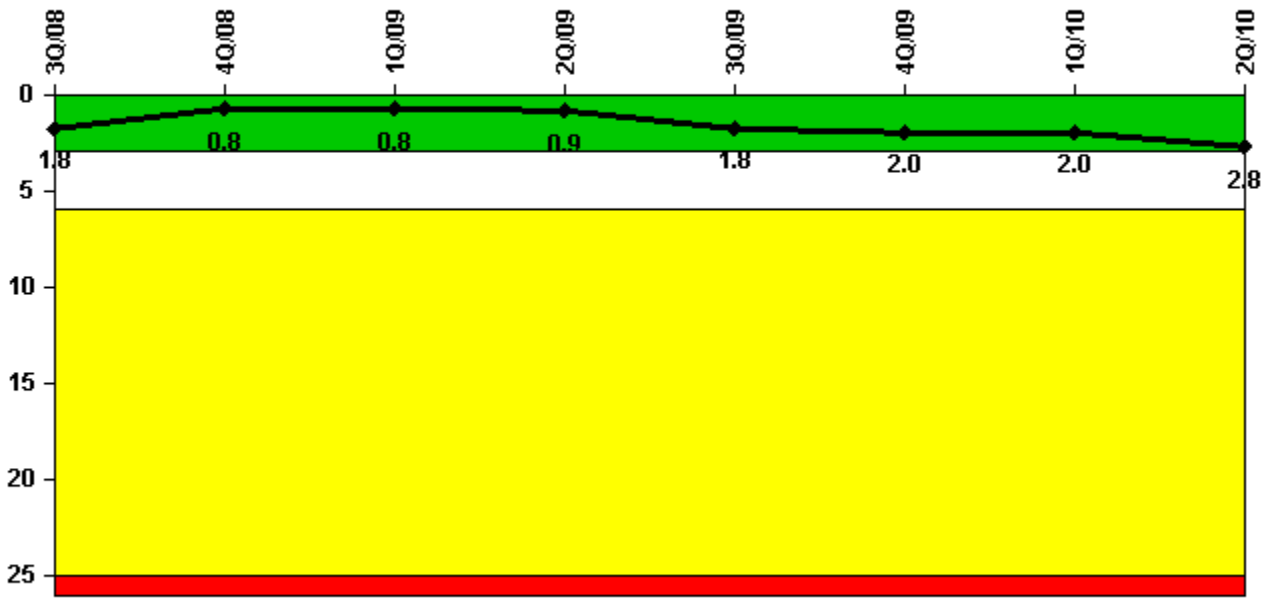


Fermi 2

2Q/2010 Performance Indicators

Licensee's General Comments: Changed PRA Parameters. MSPI PRA Parameters for Plant CDF, MSPI functions and devices revised in accordance with Fermi 2 PSA Model Update V8. Reference - Fermi MSPI Basis Document Rev 2.

Unplanned Scrams per 7000 Critical Hrs



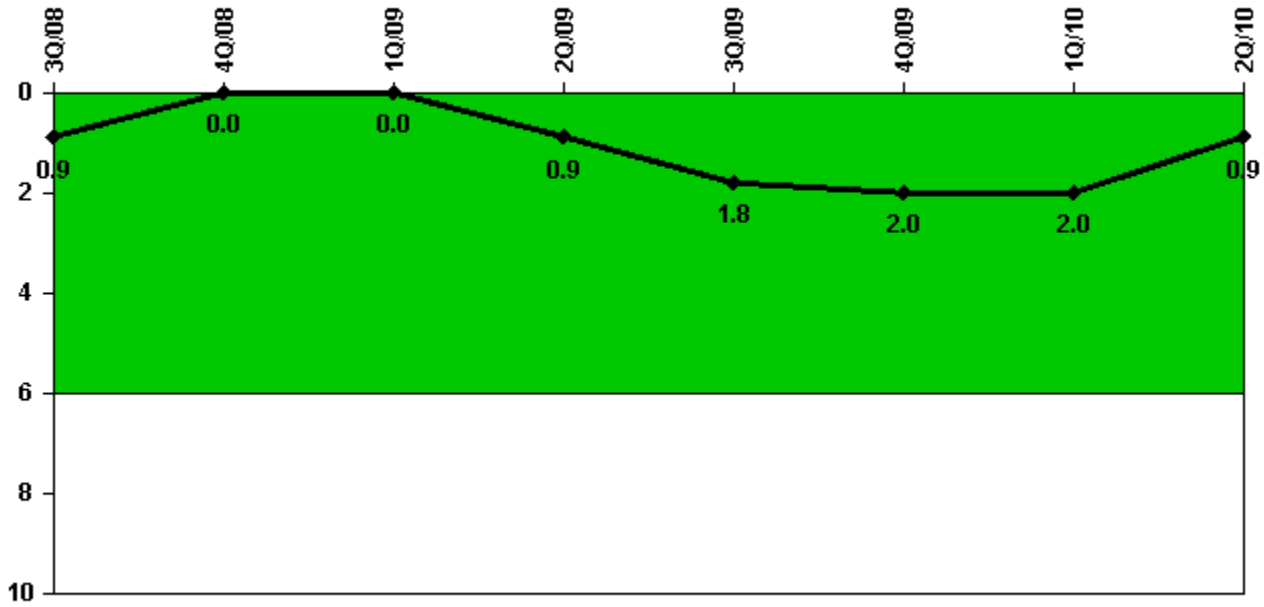
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	1.0	0	1.0	0	1.0	1.0
Critical hours	2208.0	2209.0	2064.8	1471.9	2195.1	1218.3	2104.4	1968.5
Indicator value	1.8	0.8	0.8	0.9	1.8	2.0	2.0	2.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	1.0	1.0	0	0	0
Critical hours	2208.0	2209.0	2064.8	1471.9	2195.1	1218.3	2104.4	1968.5
Indicator value	0.9	0	0	0.9	1.8	2.0	2.0	0.9

Licensee Comments: none

Unplanned Scrams with Complications



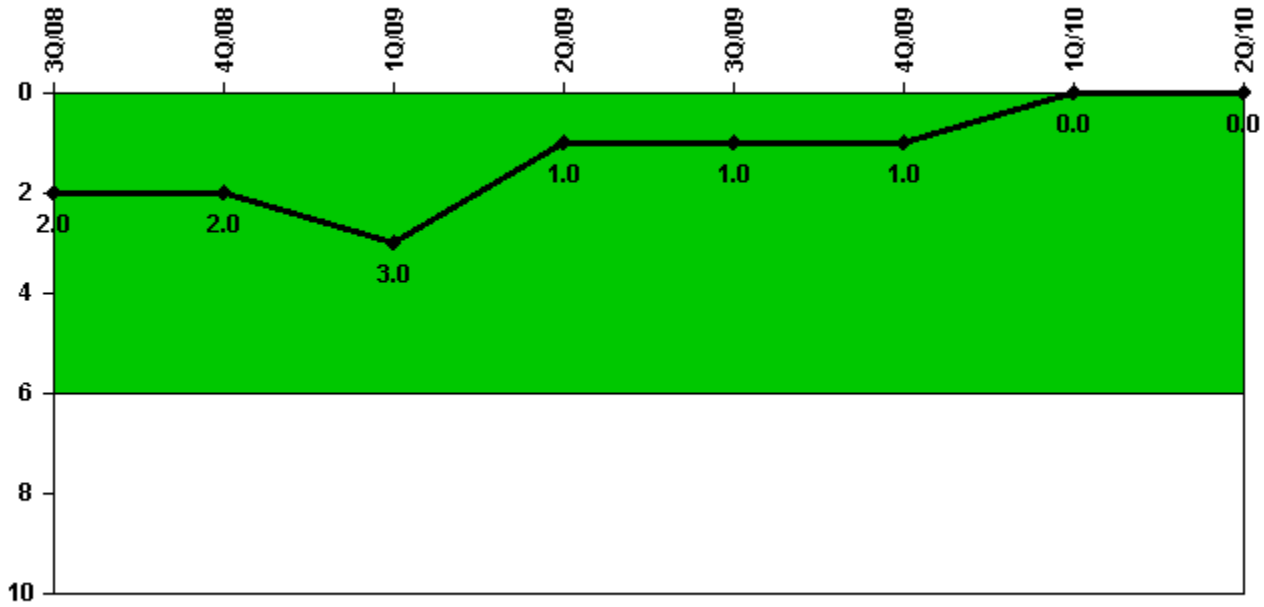
Thresholds: White > 1.0

Notes

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



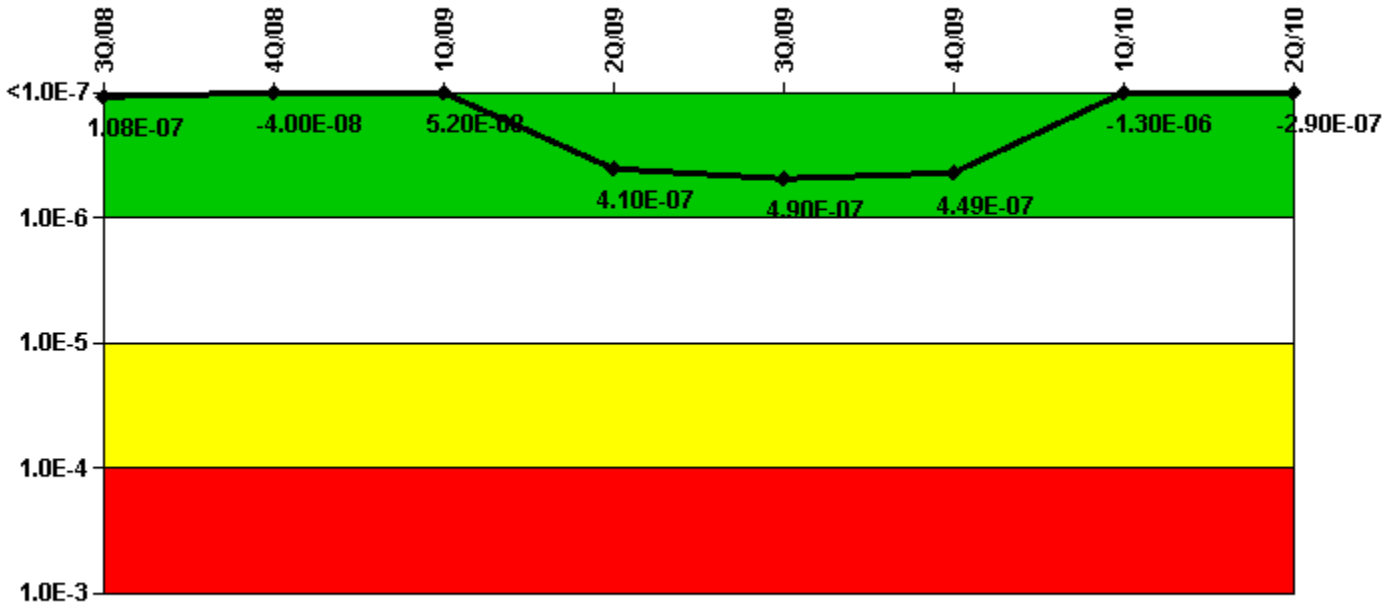
Thresholds: White > 6.0

Notes

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

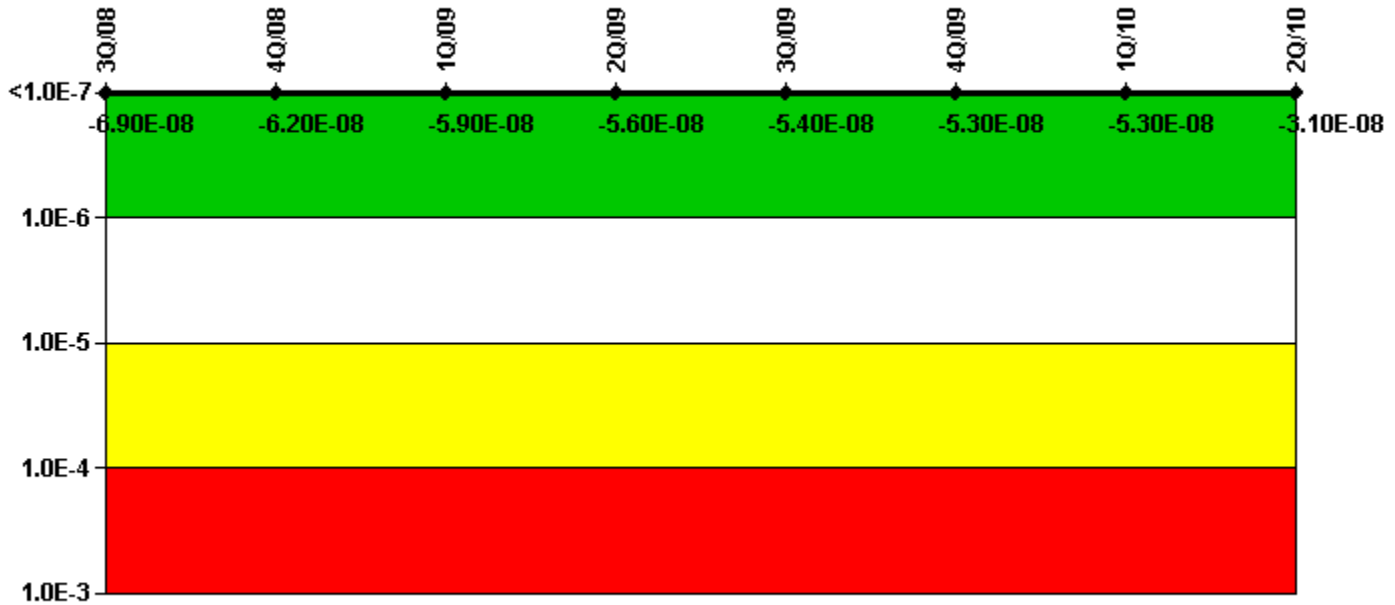
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	1.40E-07	1.10E-07	1.40E-07	1.30E-07	1.60E-07	9.90E-08	1.24E-07	2.82E-09
URI (ΔCDF)	-3.20E-08	-1.50E-07	-8.80E-08	2.80E-07	3.30E-07	3.50E-07	-1.38E-06	-2.97E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.08E-07	-4.00E-08	5.20E-08	4.10E-07	4.90E-07	4.49E-07	-1.30E-06	-2.90E-07

Licensee Comments:

2Q/10: 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

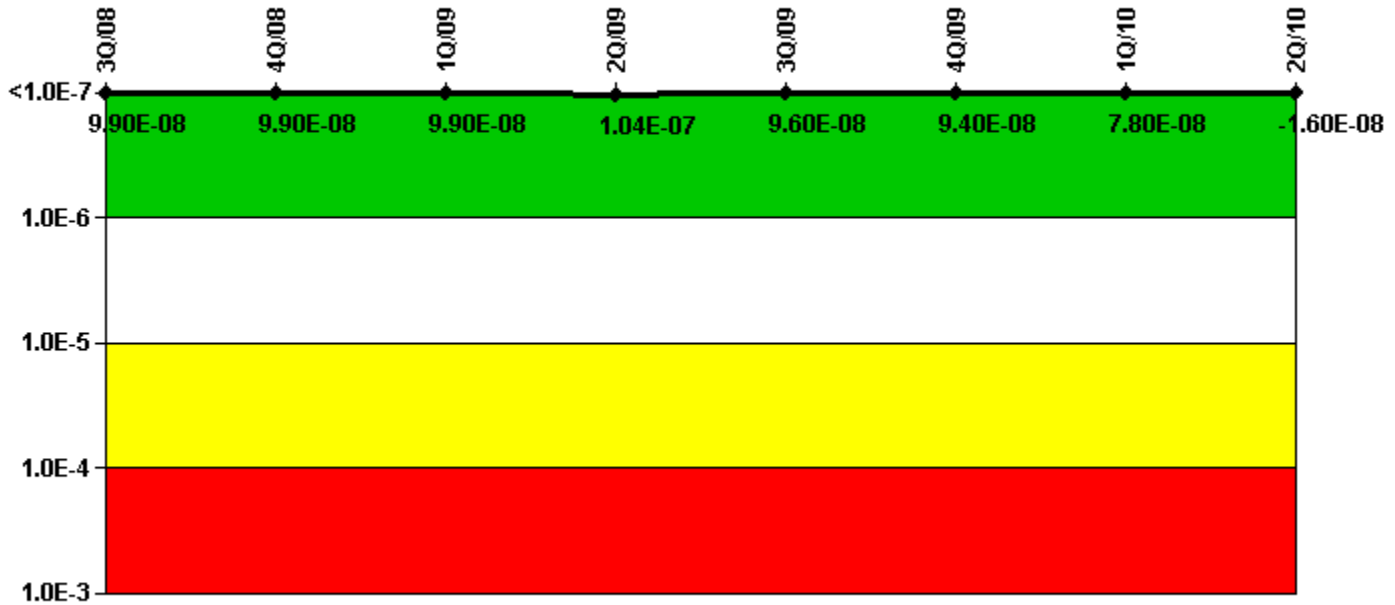
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-2.30E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.48E-08	-2.25E-09
URI (Δ CDF)	-4.60E-08	-4.70E-08	-4.40E-08	-4.10E-08	-3.90E-08	-3.80E-08	-3.84E-08	-2.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.90E-08	-6.20E-08	-5.90E-08	-5.60E-08	-5.40E-08	-5.30E-08	-5.30E-08	-3.10E-08

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System



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

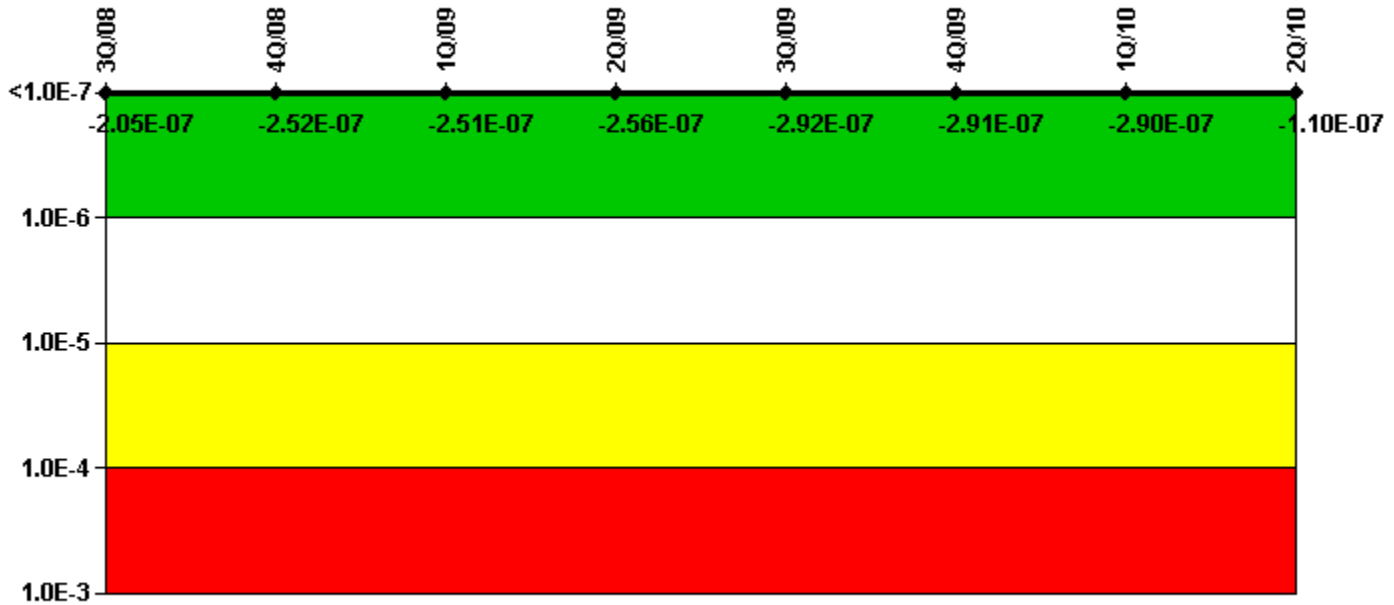
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.70E-07	1.70E-07	1.50E-07	1.55E-08
URI (Δ CDF)	-8.10E-08	-8.10E-08	-8.10E-08	-7.60E-08	-7.40E-08	-7.60E-08	-7.25E-08	-3.11E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.90E-08	9.90E-08	9.90E-08	1.04E-07	9.60E-08	9.40E-08	7.80E-08	-1.60E-08

Licensee Comments:

2Q/10: 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

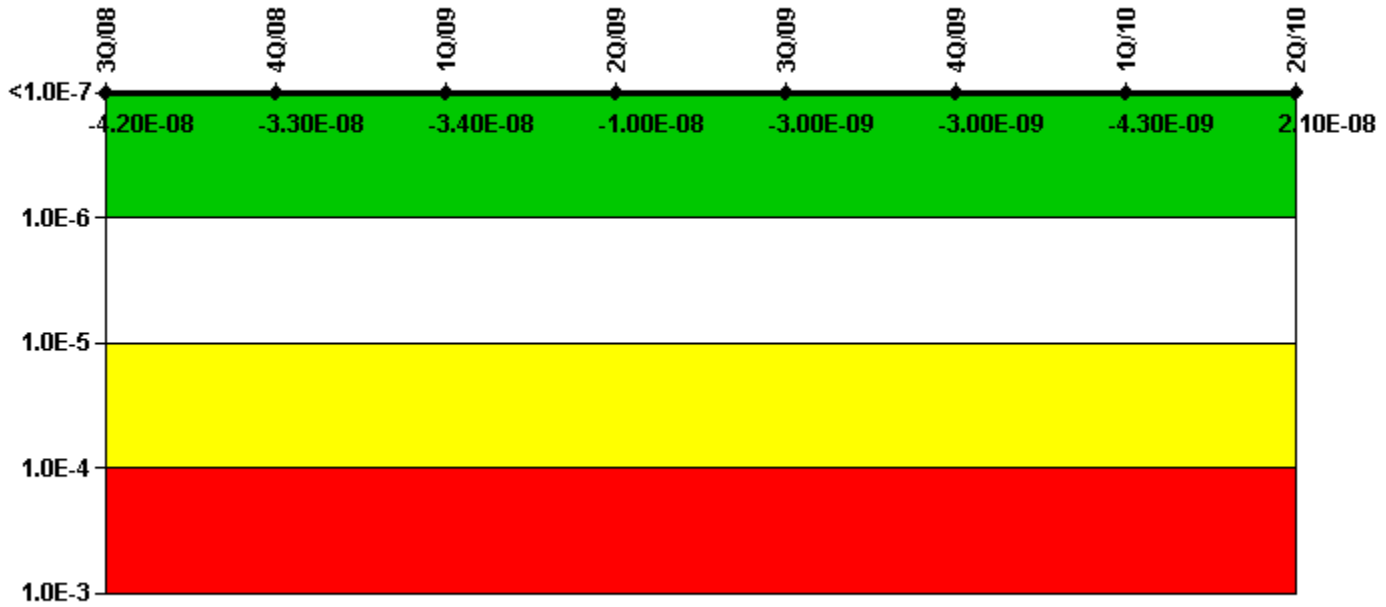
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	2.50E-08	-2.20E-08	-2.10E-08	-2.60E-08	-6.20E-08	-6.10E-08	-6.16E-08	-4.22E-09
URI (Δ CDF)	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.29E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.05E-07	-2.52E-07	-2.51E-07	-2.56E-07	-2.92E-07	-2.91E-07	-2.90E-07	-1.10E-07

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems



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

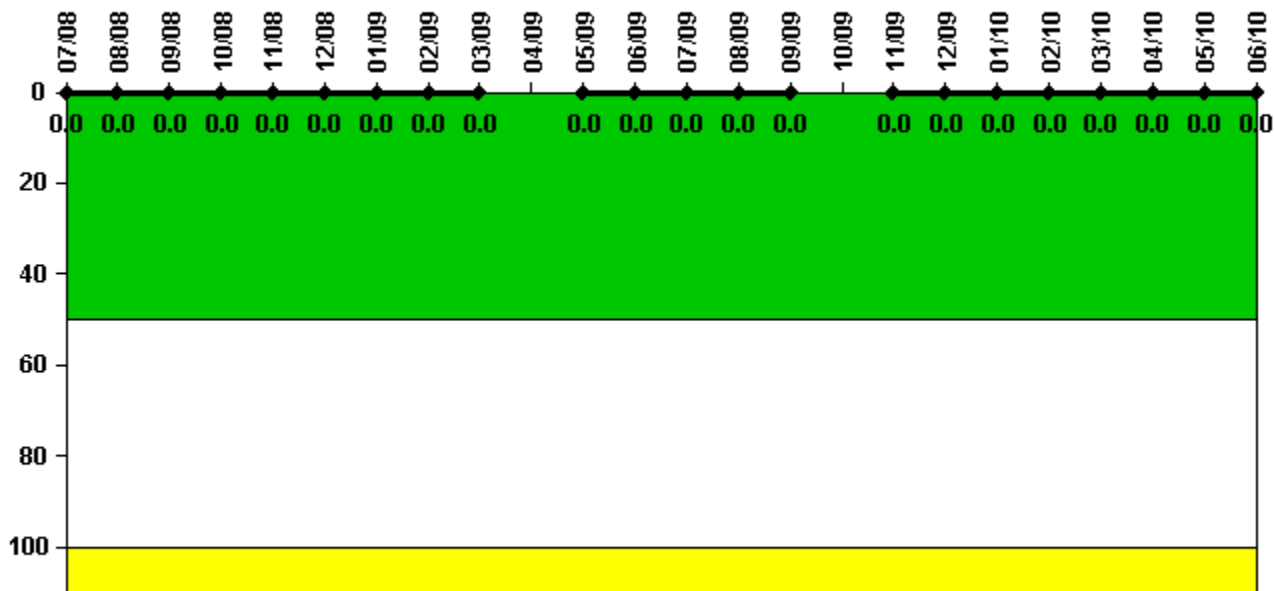
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	5.80E-08	6.70E-08	6.60E-08	9.00E-08	9.70E-08	9.70E-08	9.81E-08	3.39E-08
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.02E-07	-1.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-08	-3.30E-08	-3.40E-08	-1.00E-08	-3.00E-09	-3.00E-09	-4.30E-09	2.10E-08

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

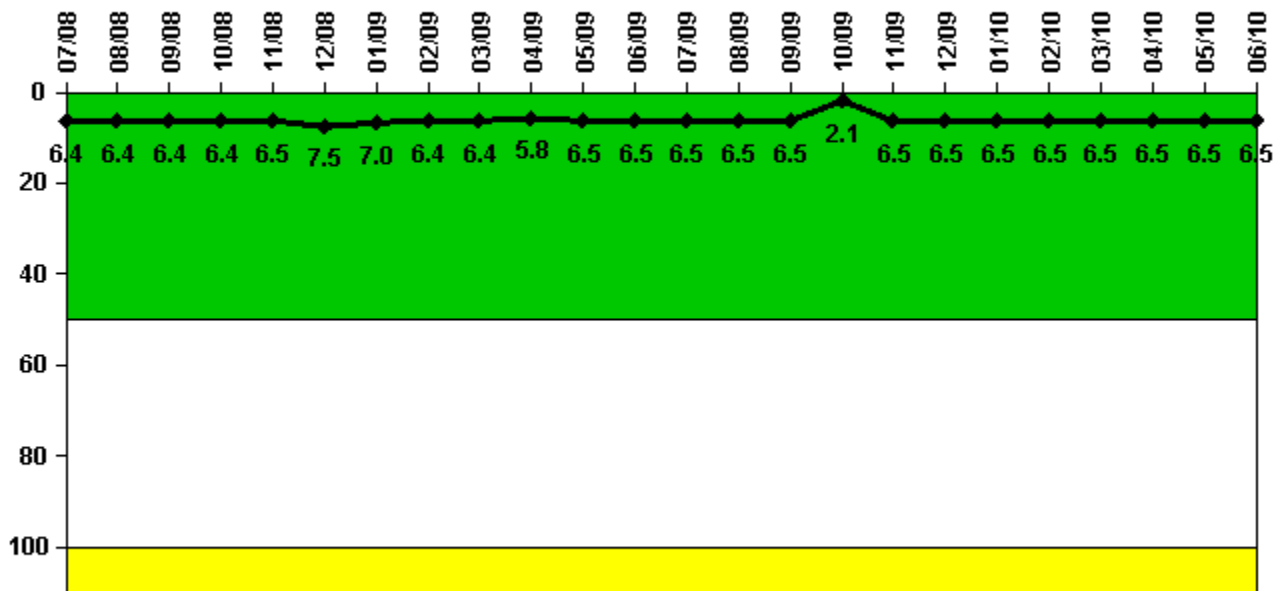
Notes

Reactor Coolant System Activity	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum activity	0.000050	0.000044	0.000041	0.000045	0.000038	0.000040	0.000047	0.000039	0.000046	N/A	0.000033	0.000044
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	N/A	0	0

Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.000040	0.000036	0.000036	N/A	0.000020	0.000024	0.000033	0.000026	0.000026	0.000026	0.000027	0.000027
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	N/A	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



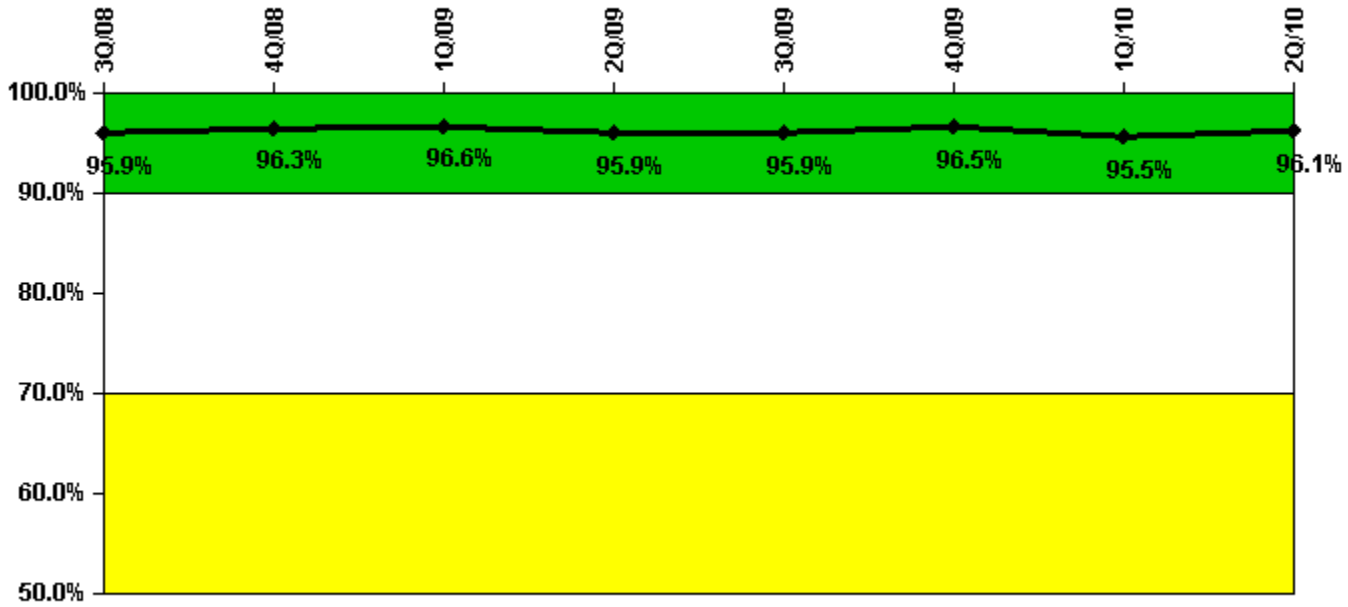
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	1.610	1.610	1.600	1.600	1.620	1.870	1.750	1.600	1.610	1.450	1.630	1.630
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	6.4	6.5	7.5	7.0	6.4	6.4	5.8	6.5	6.5
Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	1.630	1.630	1.630	0.530	1.630	1.630	1.620	1.620	1.620	1.630	1.630	1.630
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	6.5	6.5	6.5	2.1	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5

Licensee Comments: none

Drill/Exercise Performance



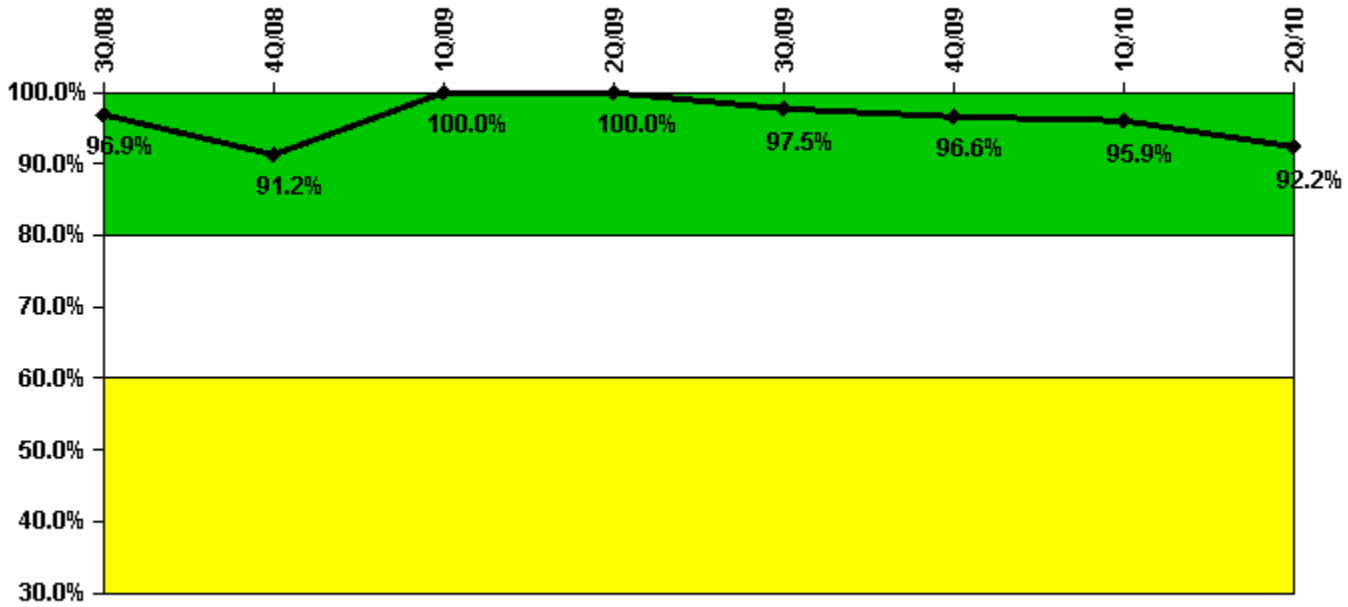
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	27.0	47.0	11.0	35.0	31.0	14.0	17.0	39.0
Total opportunities	28.0	47.0	11.0	37.0	33.0	14.0	20.0	40.0
Indicator value	95.9%	96.3%	96.6%	95.9%	95.9%	96.5%	95.5%	96.1%

Licensee Comments: none

ERO Drill Participation



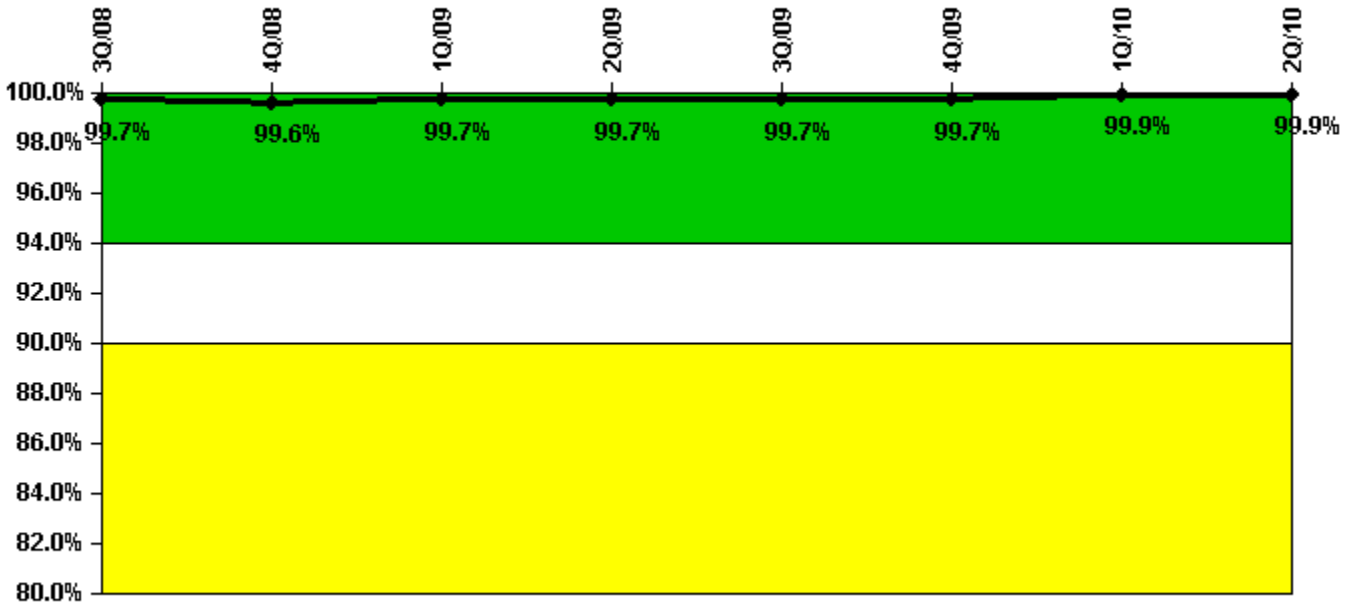
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	94.0	104.0	119.0	121.0	117.0	113.0	116.0	118.0
Total Key personnel	97.0	114.0	119.0	121.0	120.0	117.0	121.0	128.0
Indicator value	96.9%	91.2%	100.0%	100.0%	97.5%	96.6%	95.9%	92.2%

Licensee Comments: none

Alert & Notification System



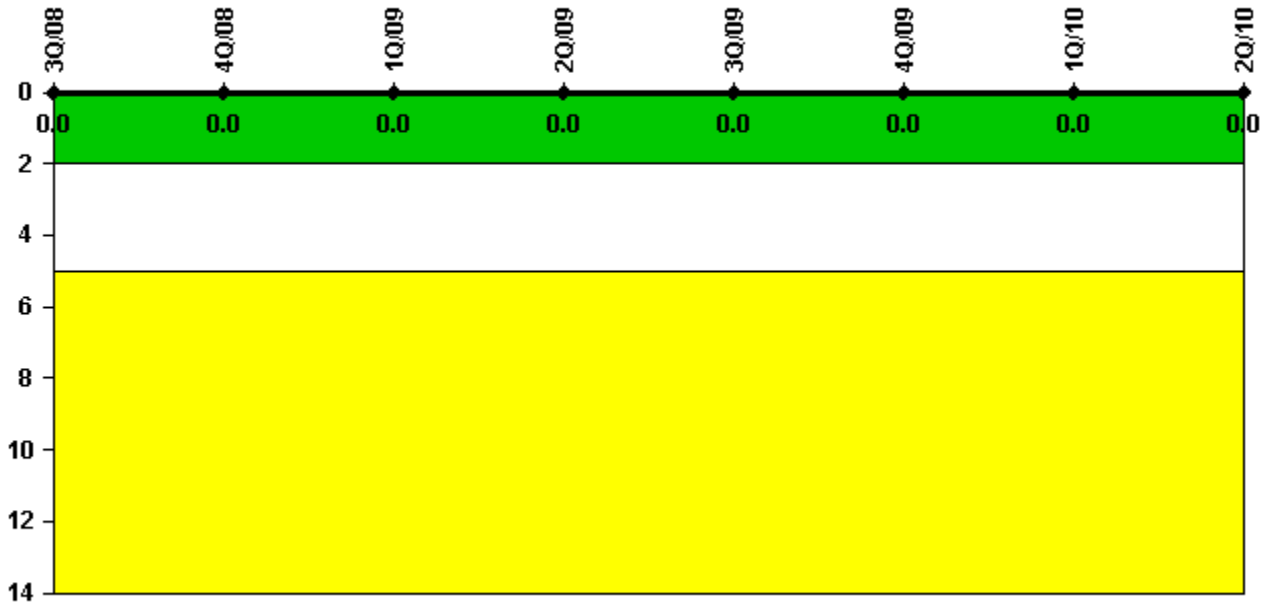
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	186	185	185	186	186	185	186	124
Total sirens-tests	186	186	186	186	186	186	186	124
Indicator value	99.7%	99.6%	99.7%	99.7%	99.7%	99.7%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



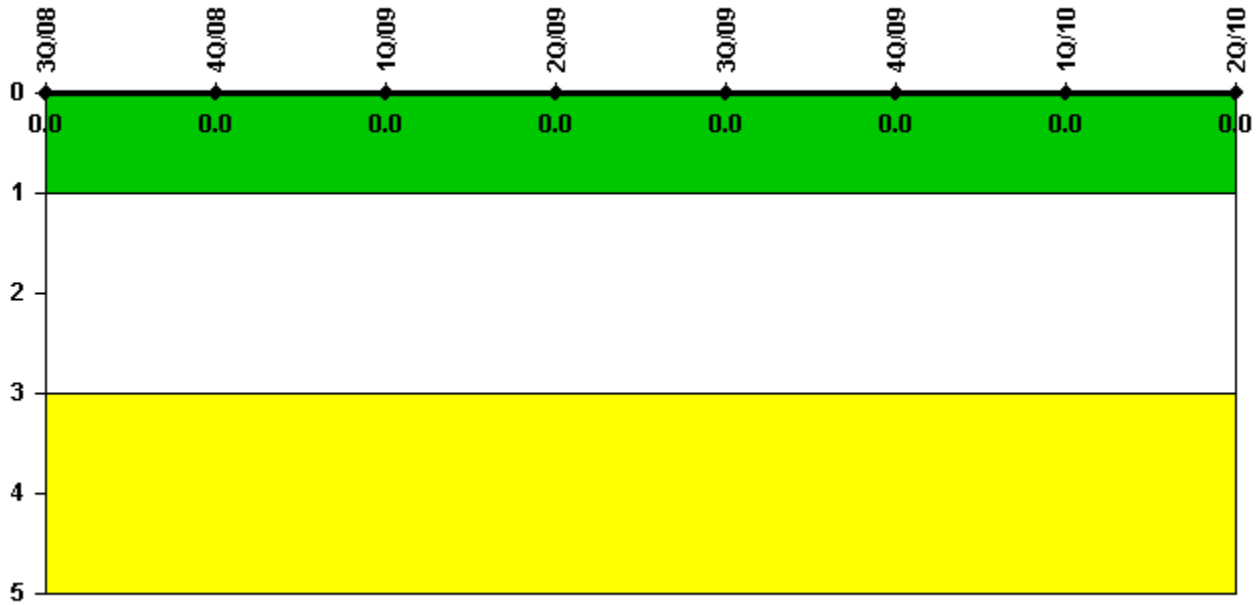
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
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	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/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.