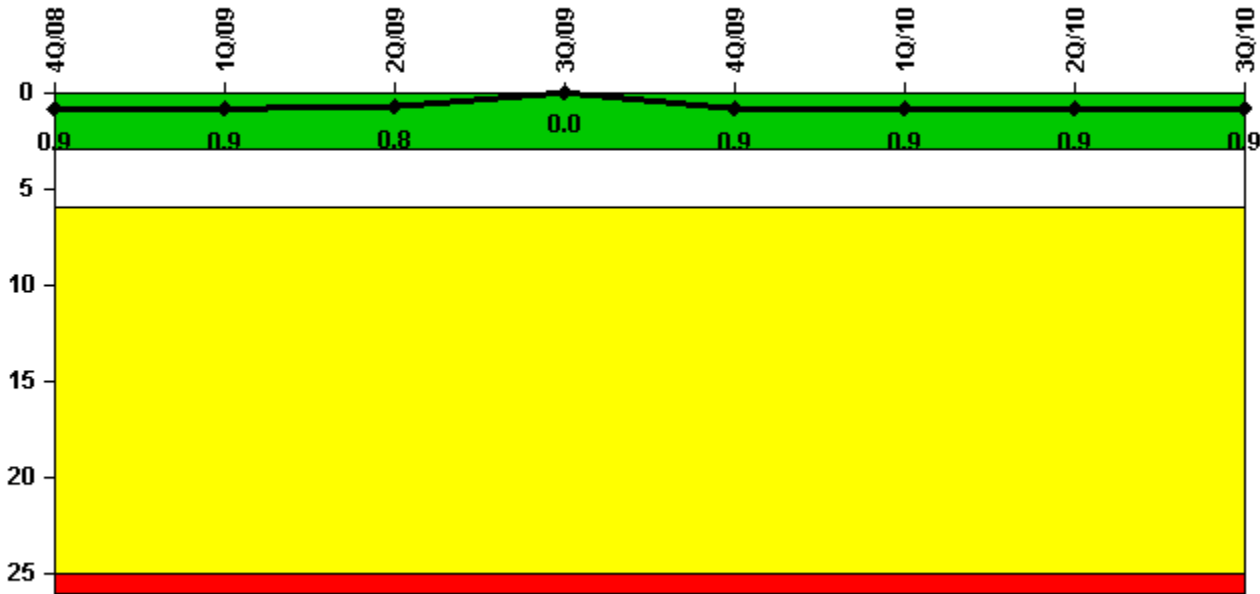


Cooper

3Q/2010 Performance Indicators

Licensee's General Comments: 3Q 2010 includes CNS MSPI basis document revision 6 changes to PRA inputs. Specifically, FV and probability for each train and component included in the 5 MSPI functions were revised. Baseline CDF was also revised. The changes to CDF, FV and probability values resulted from an update to the PRA model. The PRA model update was completed during the 2Q of 2010 and prior to the start of 3Q 2010. Thus, MSPI derivations are required to include these changes starting 3Q 2010. No color changes result from these changes.

Unplanned Scrams per 7000 Critical Hrs



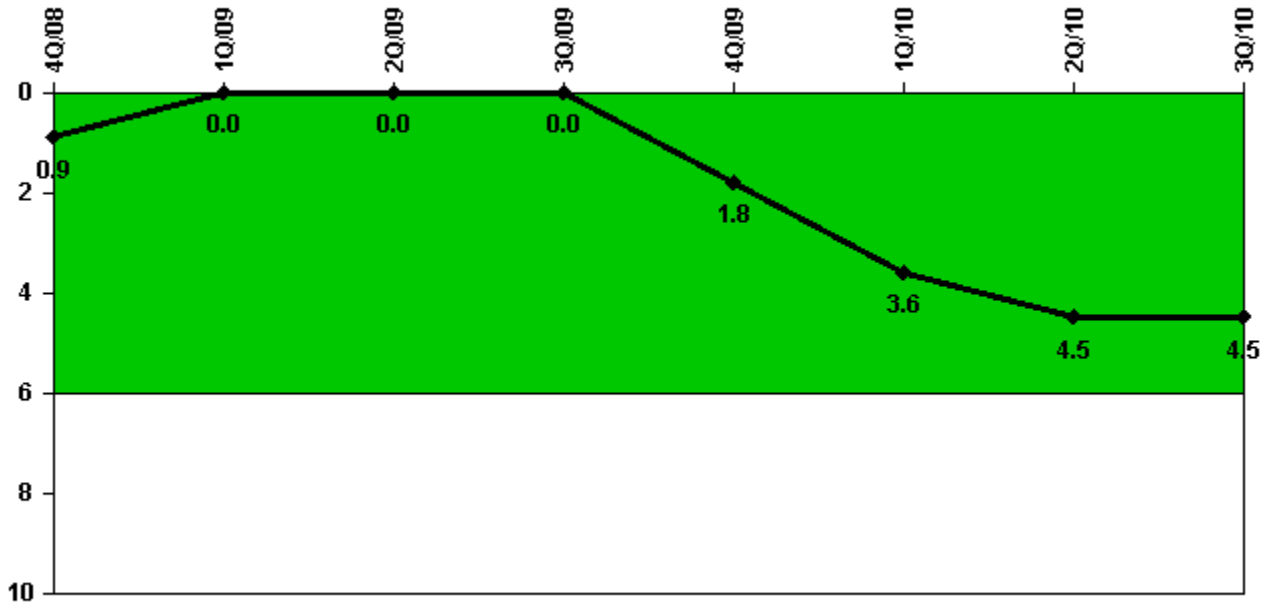
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2038.7	2184.0	2088.4	1276.0	2159.0	2184.0	2208.0
Indicator value	0.9	0.9	0.8	0	0.9	0.9	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	0	0	0	0	2.0	2.0	1.0	0
Critical hours	2209.0	2038.7	2184.0	2088.4	1276.0	2159.0	2184.0	2208.0
Indicator value	0.9	0	0	0	1.8	3.6	4.5	4.5

Licensee Comments: none

Unplanned Scrams with Complications



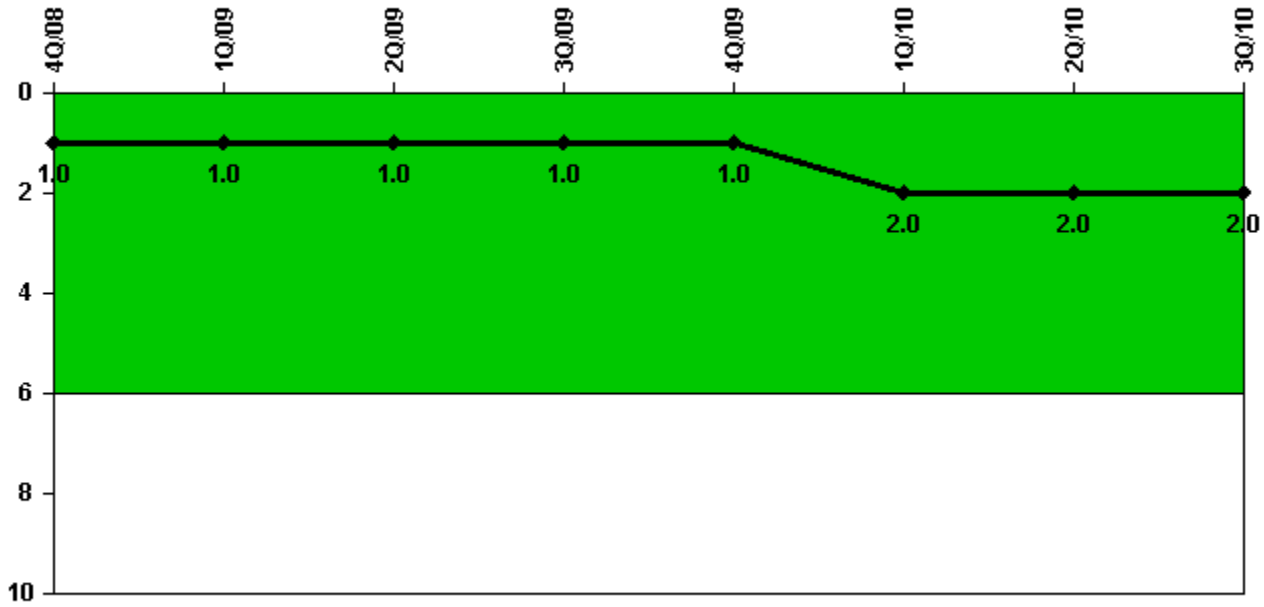
Thresholds: White > 1.0

Notes

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



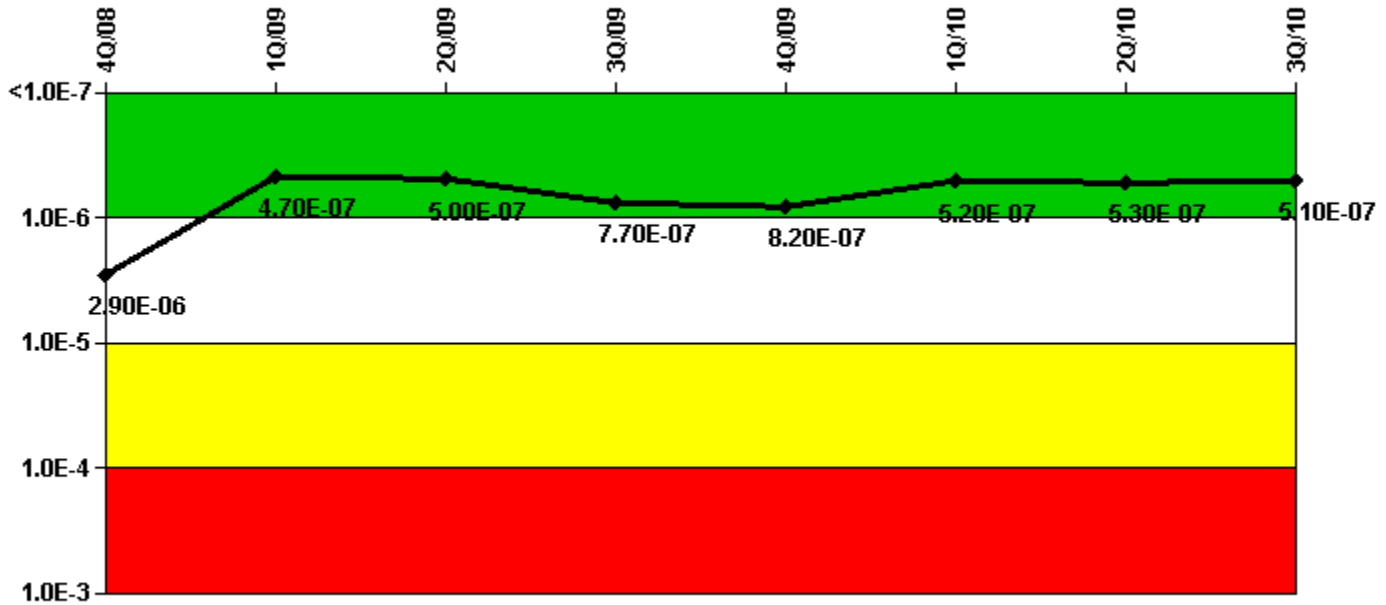
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

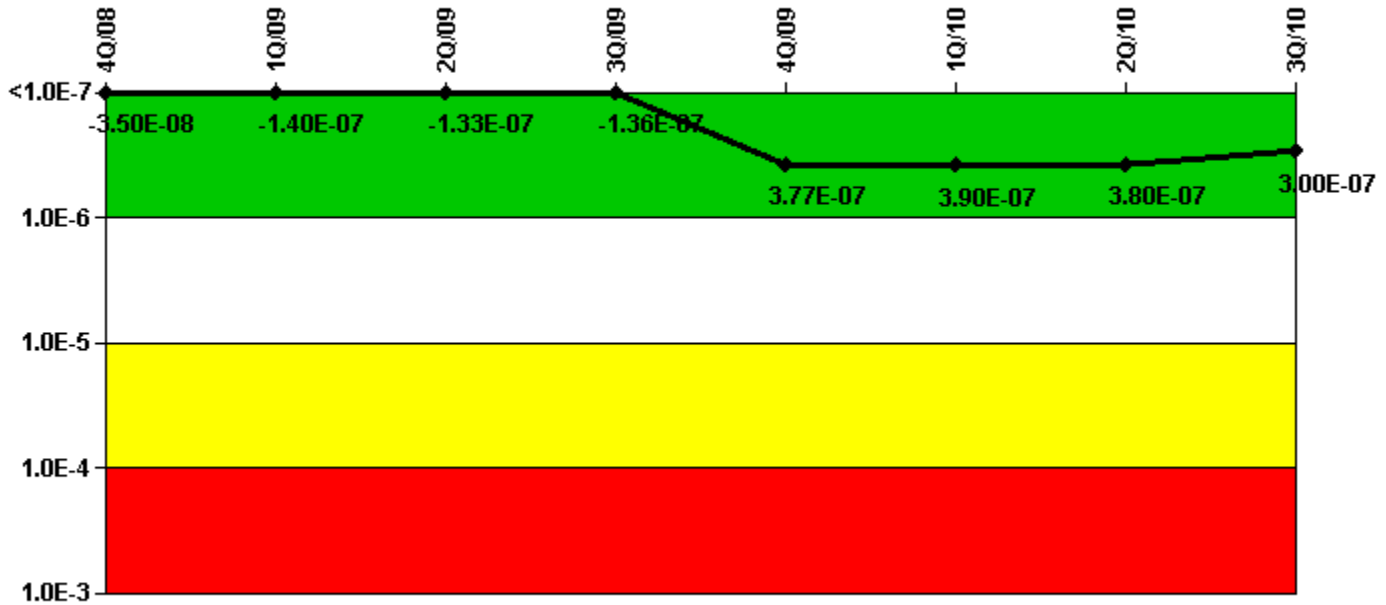
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	3.31E-07	8.52E-08	1.14E-07	1.64E-07	1.89E-07	1.17E-07	1.31E-07	1.15E-07
URI (Δ CDF)	2.55E-06	3.80E-07	3.85E-07	6.04E-07	6.28E-07	4.00E-07	3.98E-07	3.92E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.90E-06	4.70E-07	5.00E-07	7.70E-07	8.20E-07	5.20E-07	5.30E-07	5.10E-07

Licensee Comments:

3Q/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

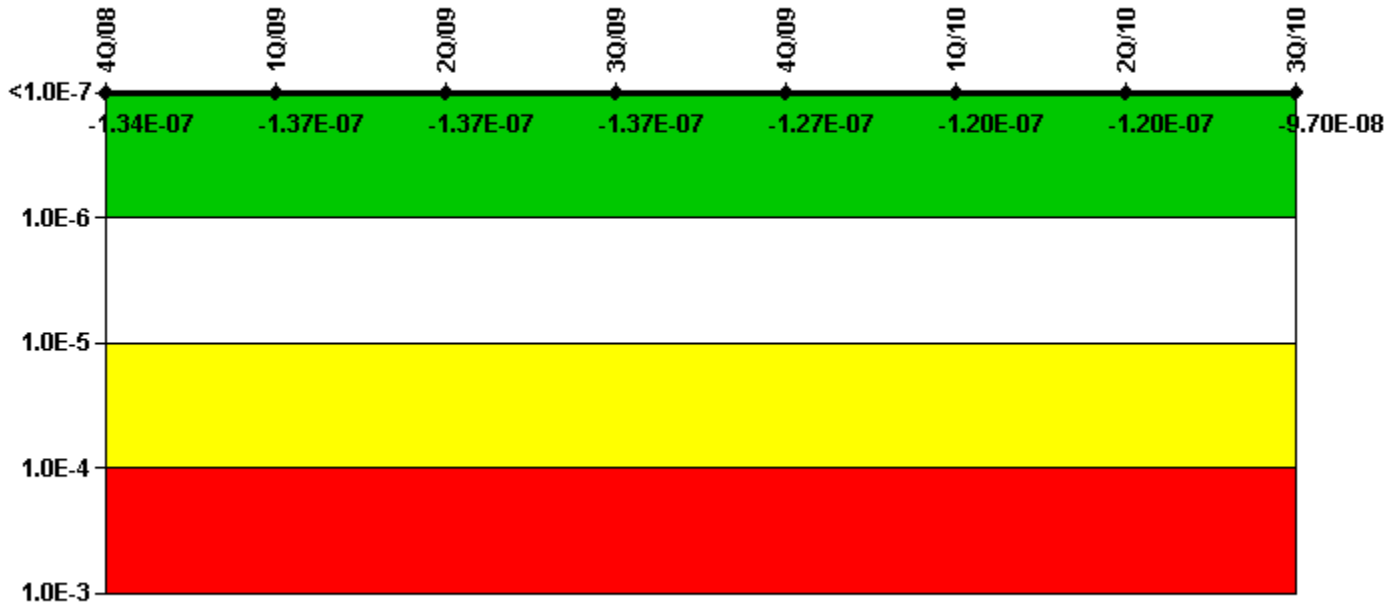
Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-1.10E-08	2.10E-10	6.60E-09	3.60E-09	6.70E-08	7.87E-08	7.79E-08	6.47E-08
URI (Δ CDF)	-2.40E-08	-1.40E-07	-1.40E-07	-1.40E-07	3.10E-07	3.06E-07	3.06E-07	2.35E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.50E-08	-1.40E-07	-1.33E-07	-1.36E-07	3.77E-07	3.90E-07	3.80E-07	3.00E-07

Licensee Comments:

3Q/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

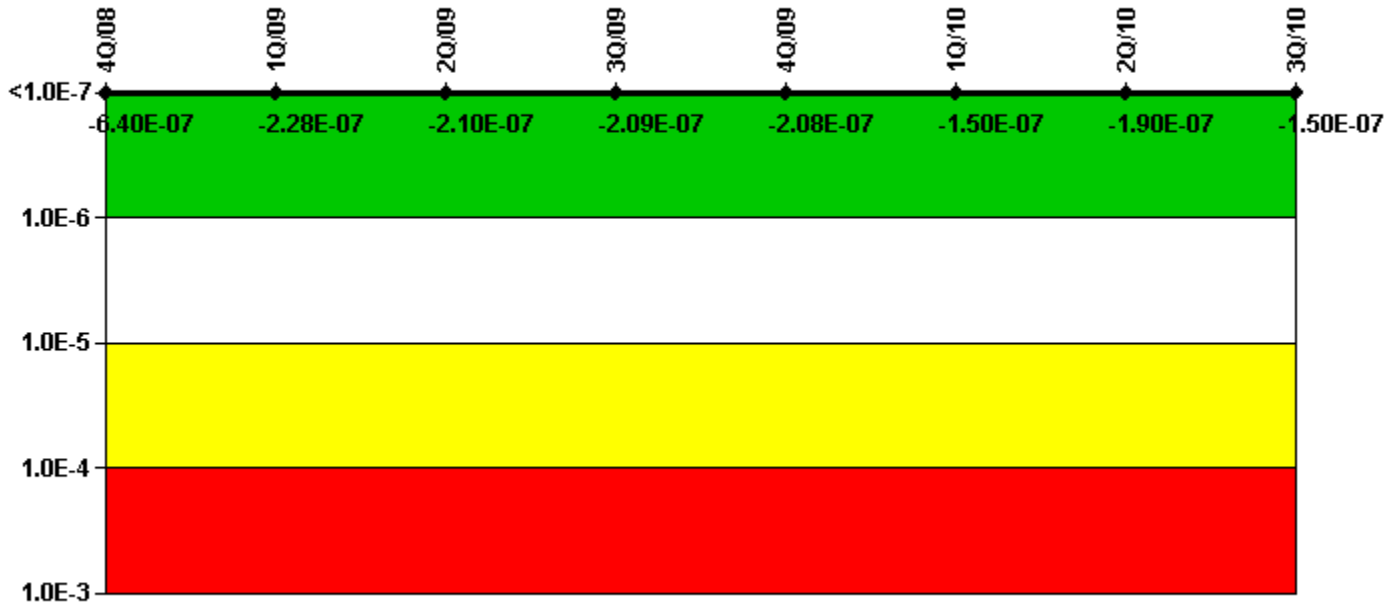
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-4.60E-08	-5.20E-08	-5.20E-08	-5.20E-08	-4.20E-08	-3.18E-08	-3.49E-08	-1.50E-08
URI (Δ CDF)	-8.80E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.45E-08	-8.45E-08	-8.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.34E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.27E-07	-1.20E-07	-1.20E-07	-9.70E-08

Licensee Comments:

3Q/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

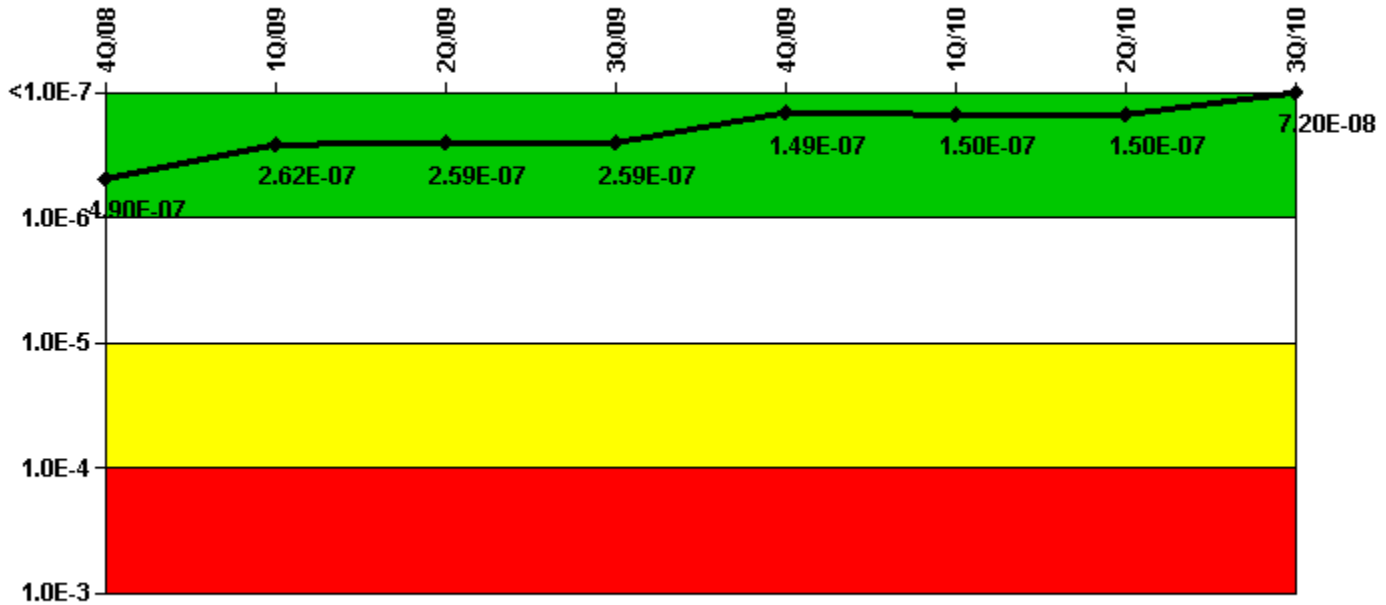
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-1.10E-07	-1.80E-08	-9.50E-09	-8.90E-09	-8.10E-09	4.86E-08	6.73E-09	5.54E-09
URI (Δ CDF)	-5.30E-07	-2.10E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.02E-07	-2.00E-07	-1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.40E-07	-2.28E-07	-2.10E-07	-2.09E-07	-2.08E-07	-1.50E-07	-1.90E-07	-1.50E-07

Licensee Comments:

3Q/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

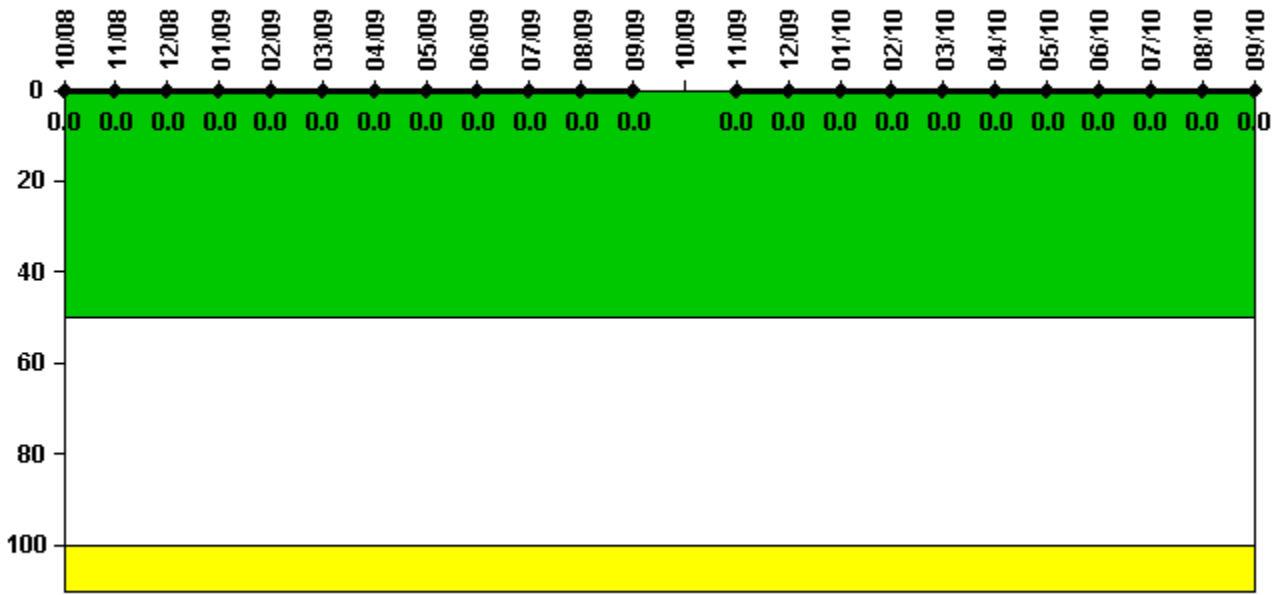
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	2.00E-07	7.20E-08	6.90E-08	6.90E-08	7.00E-08	7.48E-08	7.46E-08	3.10E-08
URI (Δ CDF)	2.90E-07	1.90E-07	1.90E-07	1.90E-07	7.90E-08	7.91E-08	7.91E-08	4.12E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.90E-07	2.62E-07	2.59E-07	2.59E-07	1.49E-07	1.50E-07	1.50E-07	7.20E-08

Licensee Comments:

3Q/10: Changed PRA Parameter(s).

Reactor Coolant System Activity



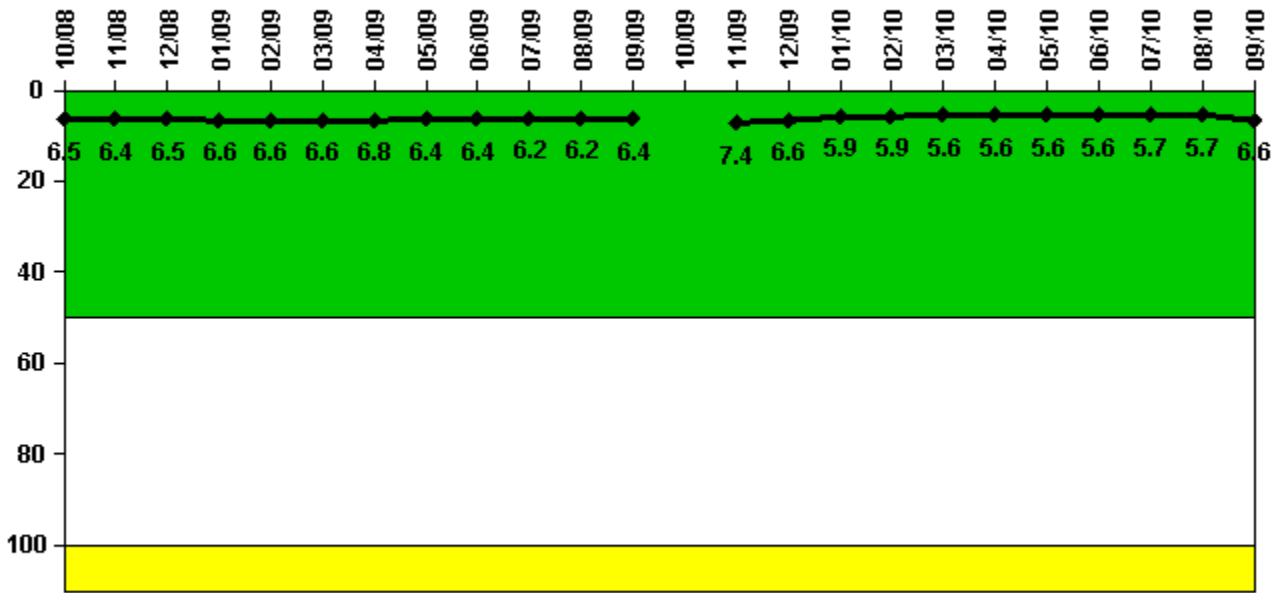
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	0.000015	0.000016	0.000017	0.000017	0.000022	0.000027	0.000028	0.000026	0.000021	0.000020	0.000022	0.000020
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	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	N/A	0.000018	0.000021	0.000022	0.000021	0.000024	0.000022	0.000023	0.000021	0.000022	0.000019	0.000021
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	N/A	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



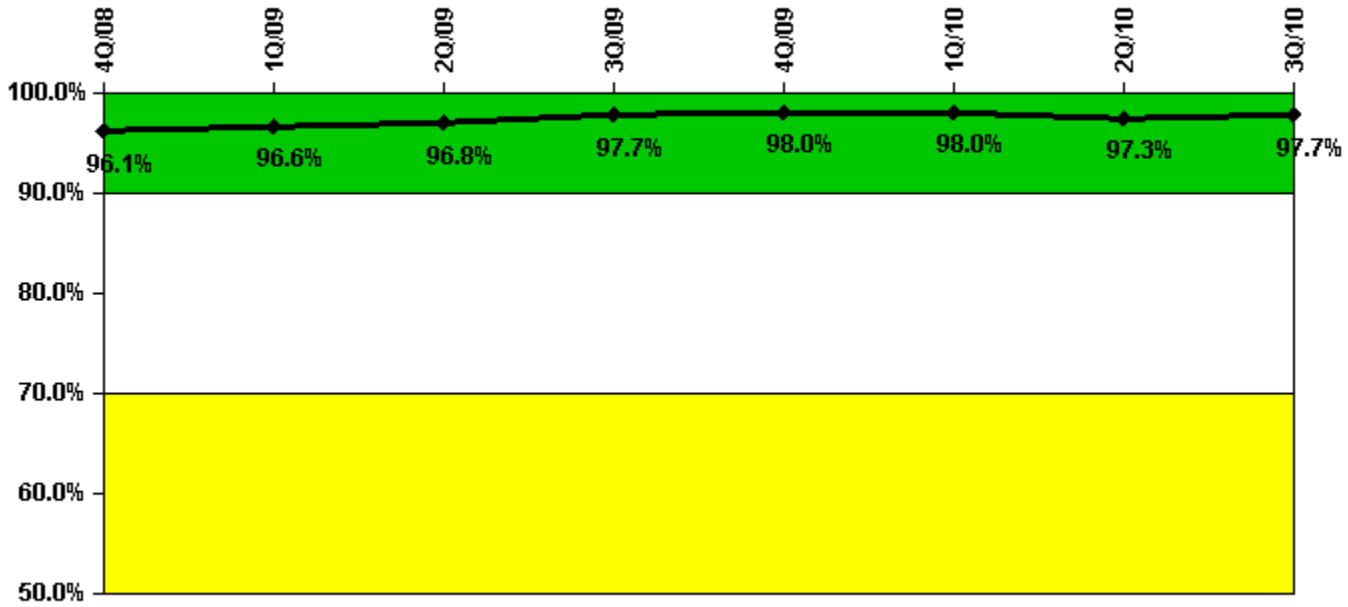
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	1.947	1.919	1.935	1.979	1.965	1.973	2.030	1.919	1.906	1.866	1.867	1.911
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.5	6.4	6.5	6.6	6.6	6.6	6.8	6.4	6.4	6.2	6.2	6.4
Reactor Coolant System Leakage	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	N/A	2.221	1.968	1.760	1.758	1.667	1.690	1.673	1.686	1.710	1.718	1.989
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	N/A	7.4	6.6	5.9	5.9	5.6	5.6	5.6	5.6	5.7	5.7	6.6

Licensee Comments: none

Drill/Exercise Performance



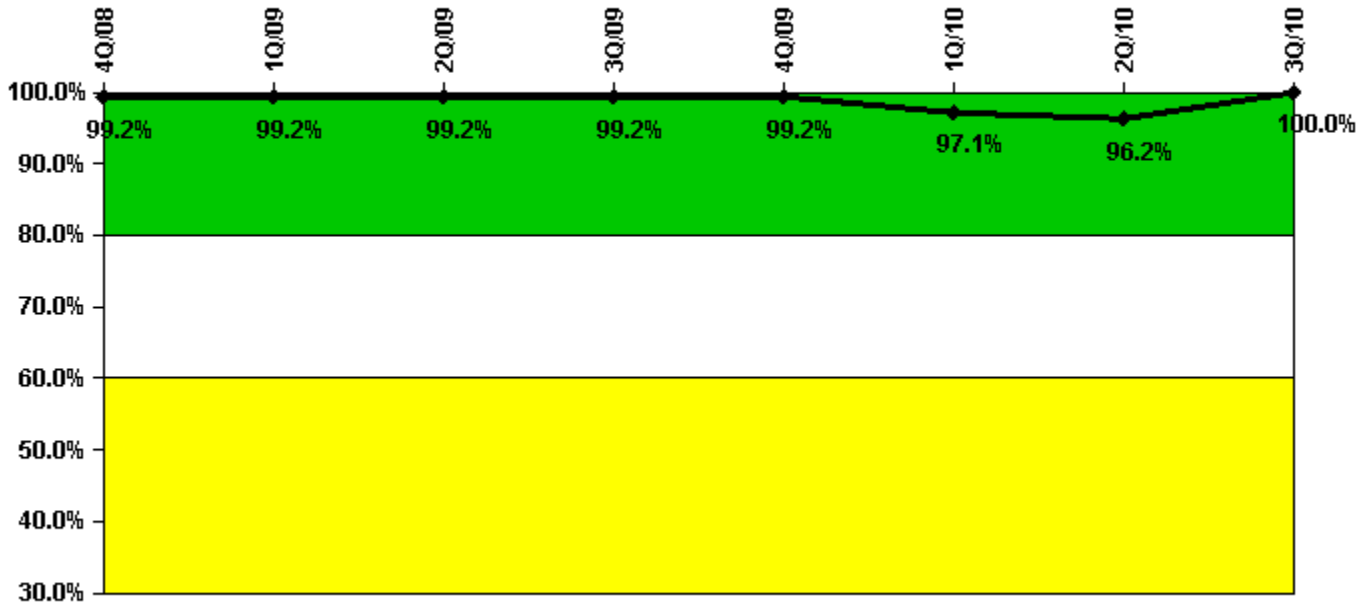
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	28.0	35.0	47.0	31.0	18.0	10.0	23.0	61.0
Total opportunities	29.0	36.0	48.0	32.0	18.0	10.0	24.0	62.0
Indicator value	96.1%	96.6%	96.8%	97.7%	98.0%	98.0%	97.3%	97.7%

Licensee Comments: none

ERO Drill Participation



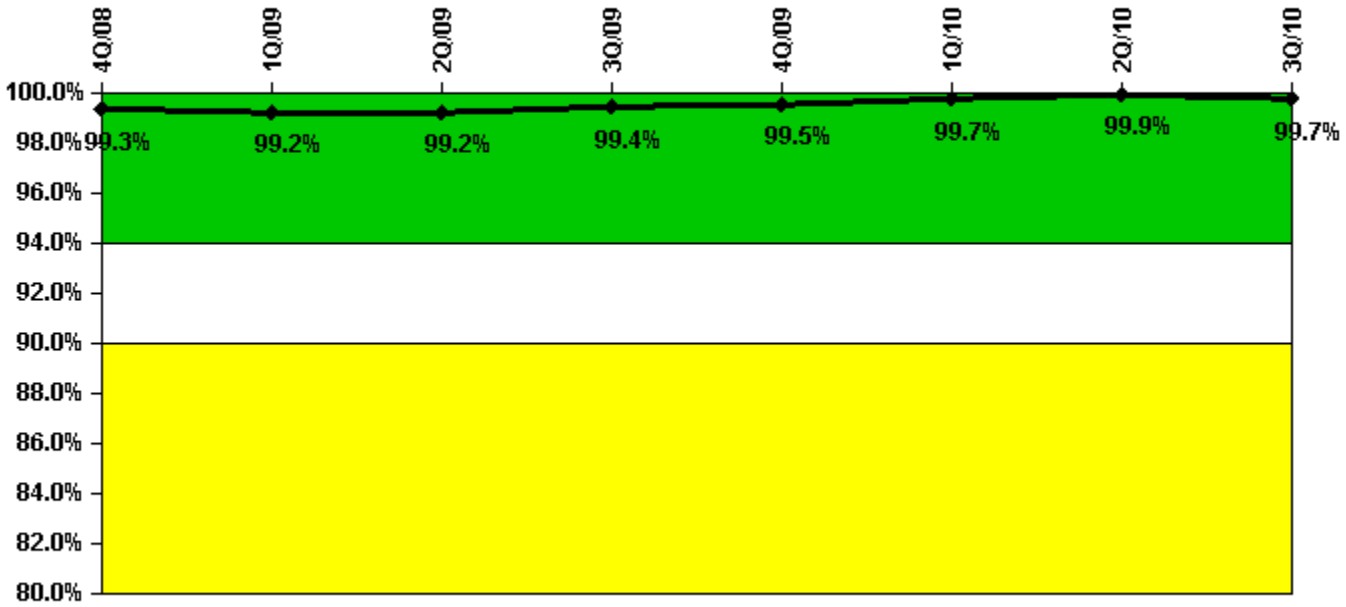
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	125.0	127.0	122.0	119.0	126.0	135.0	126.0	125.0
Total Key personnel	126.0	128.0	123.0	120.0	127.0	139.0	131.0	125.0
Indicator value	99.2%	99.2%	99.2%	99.2%	99.2%	97.1%	96.2%	100.0%

Licensee Comments: none

Alert & Notification System



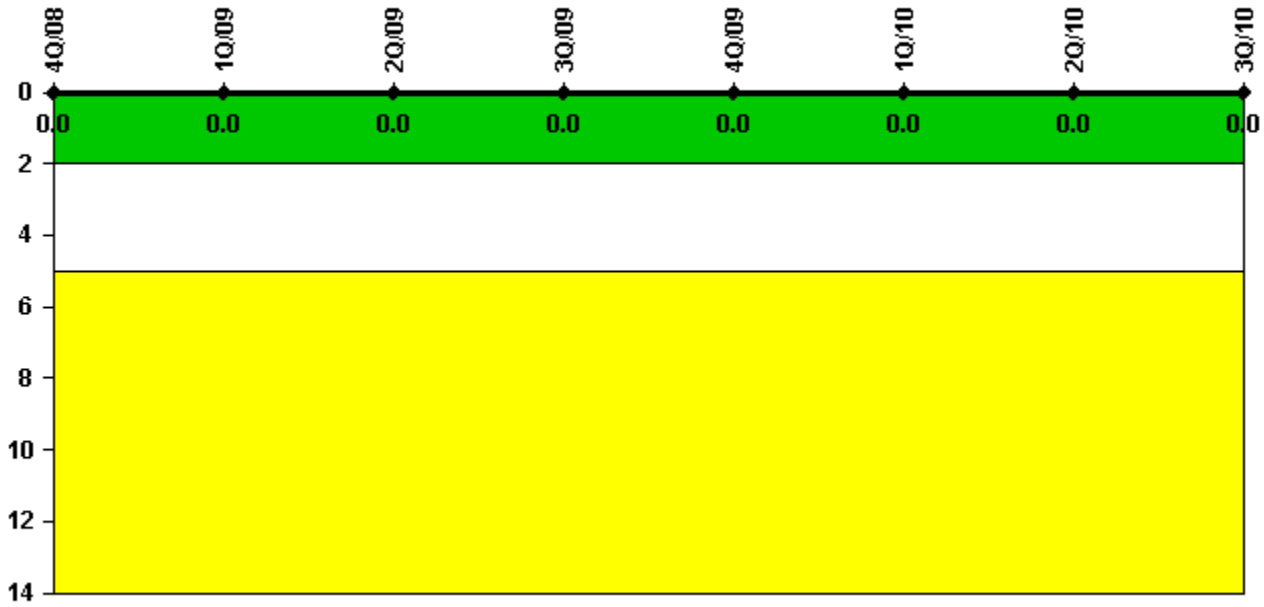
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	311	281	285	288	300	288	287	285
Total sirens-tests	312	284	288	288	300	288	288	288
Indicator value	99.3%	99.2%	99.2%	99.4%	99.5%	99.7%	99.9%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



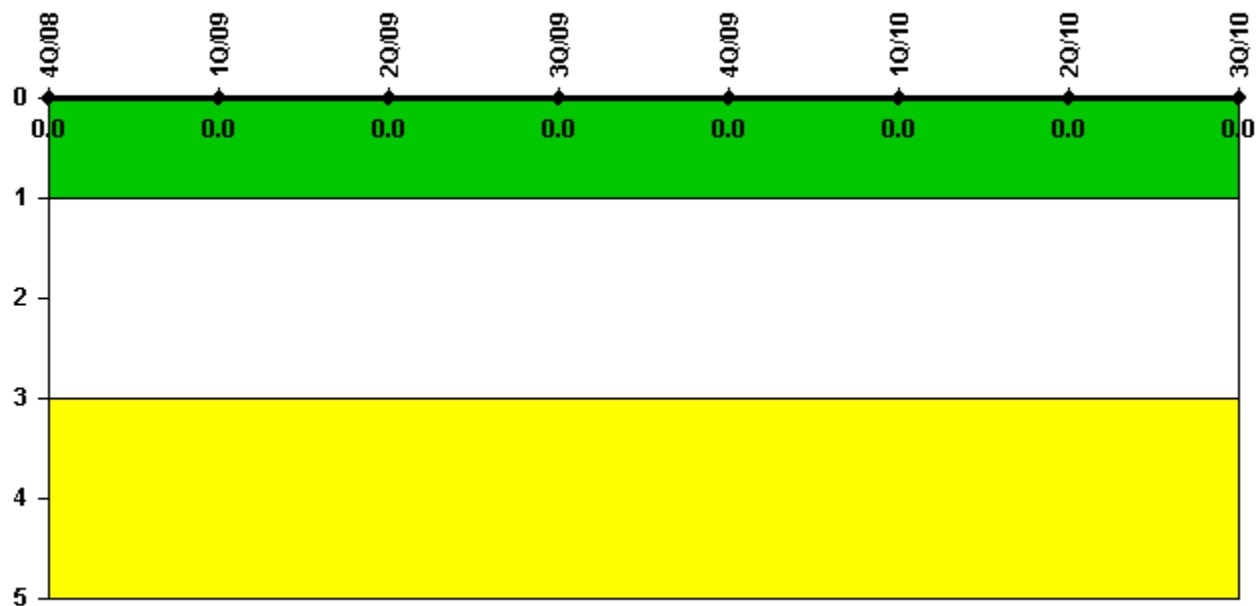
Thresholds: White > 2.0 Yellow > 5.0

Notes

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