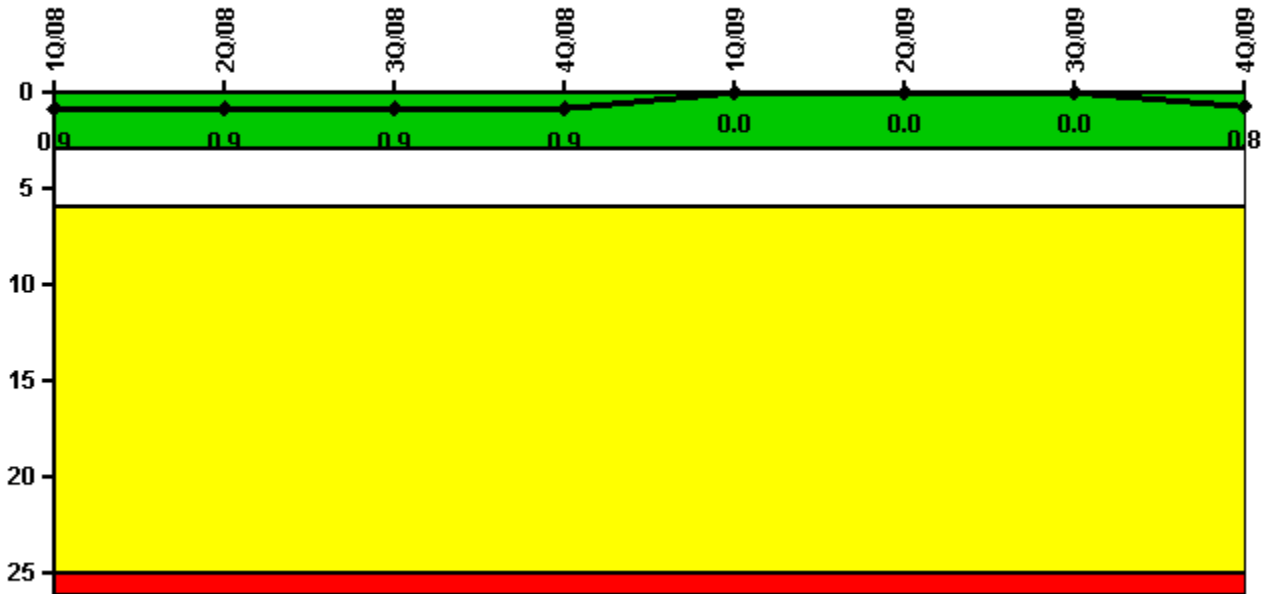


Clinton

4Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



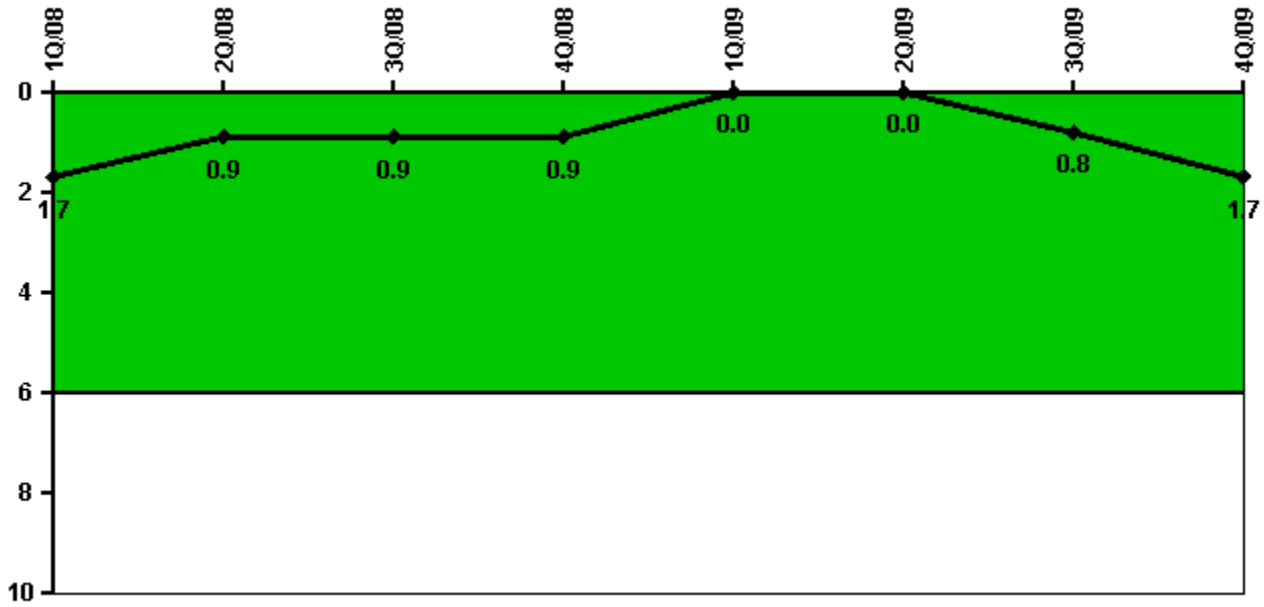
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	1.0	0	0	0	0	0	0	1.0
Critical hours	1593.6	2184.0	2208.0	2209.0	2159.0	2184.0	2186.0	1934.4
Indicator value	0.9	0.9	0.9	0.9	0	0	0	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



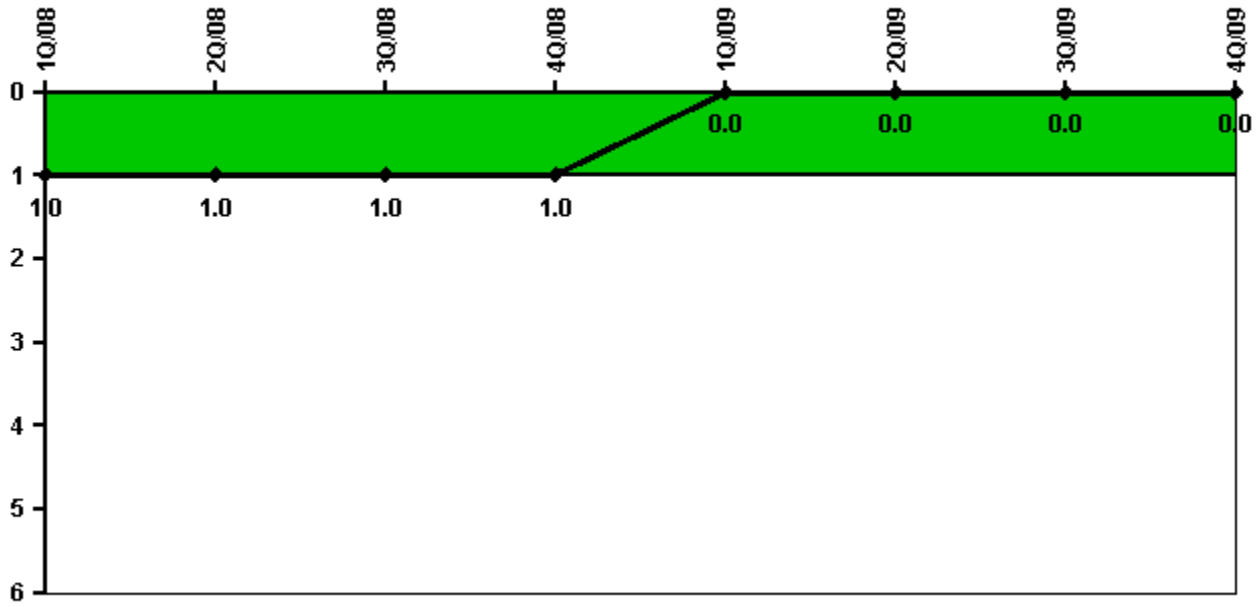
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	1.0	0	0	0	0	0	1.0	1.0
Critical hours	1593.6	2184.0	2208.0	2209.0	2159.0	2184.0	2186.0	1934.4
Indicator value	1.7	0.9	0.9	0.9	0	0	0.8	1.7

Licensee Comments: none

Unplanned Scrams with Complications



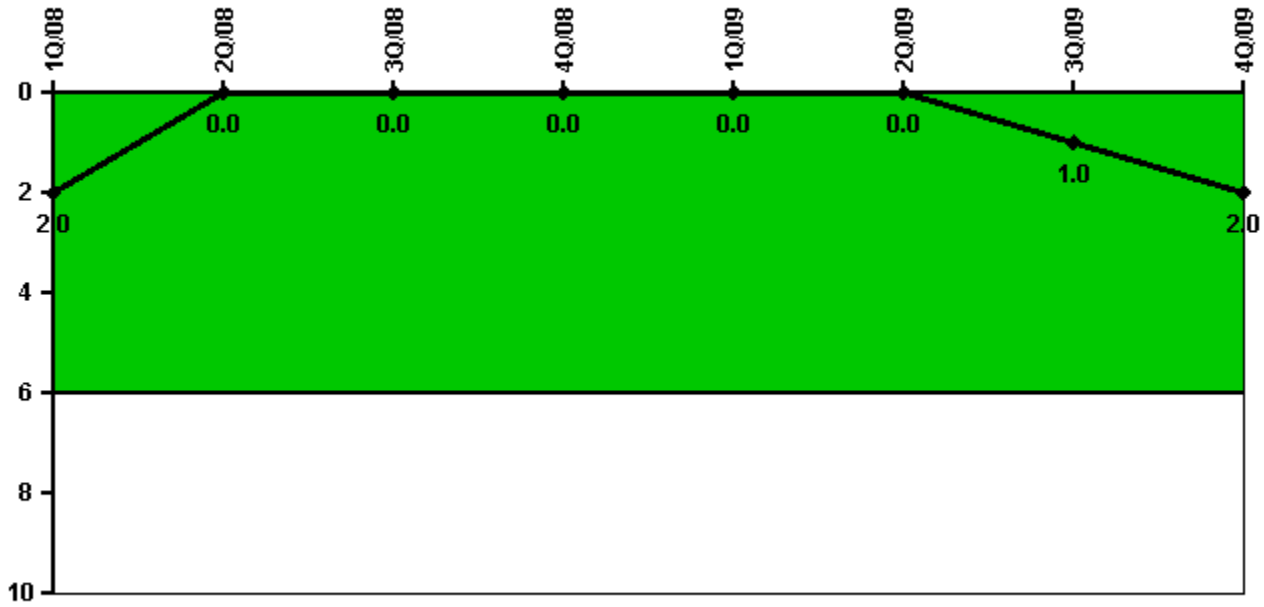
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Scrams with complications	1.0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

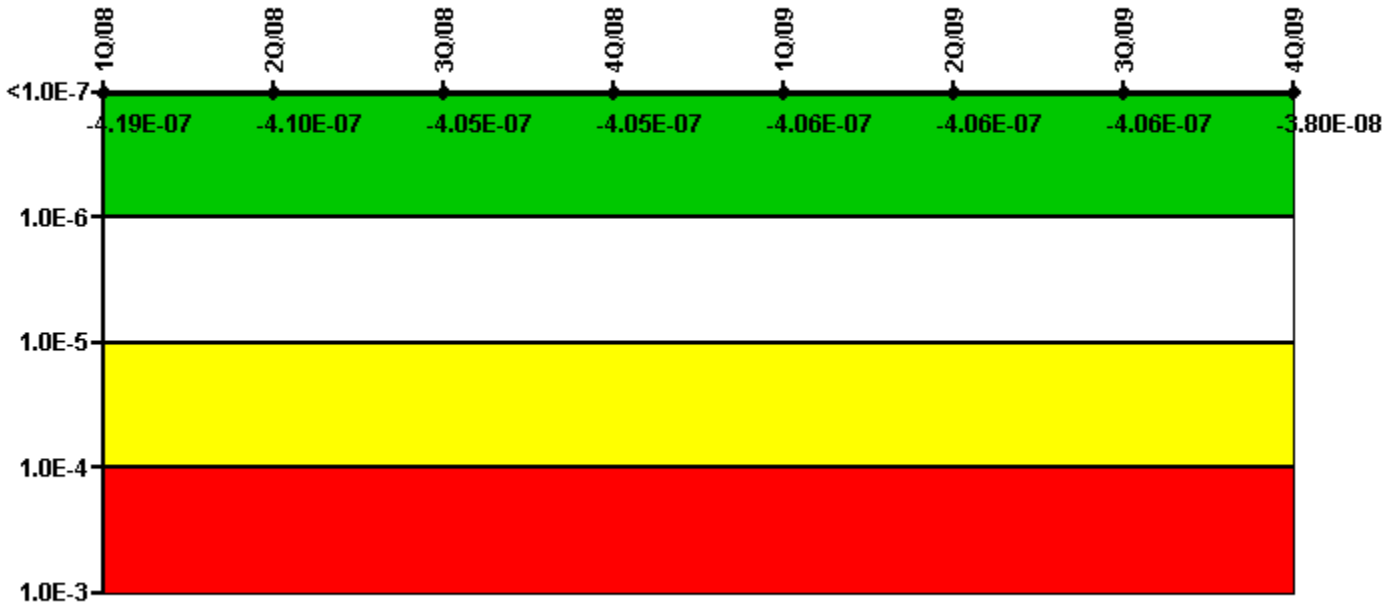
Notes

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

Licensee Comments:

4Q/09: Safety System Functional Failure reported to NRC 11/20/09 under LER 2009-003-00

Mitigating Systems Performance Index, Emergency AC Power System



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

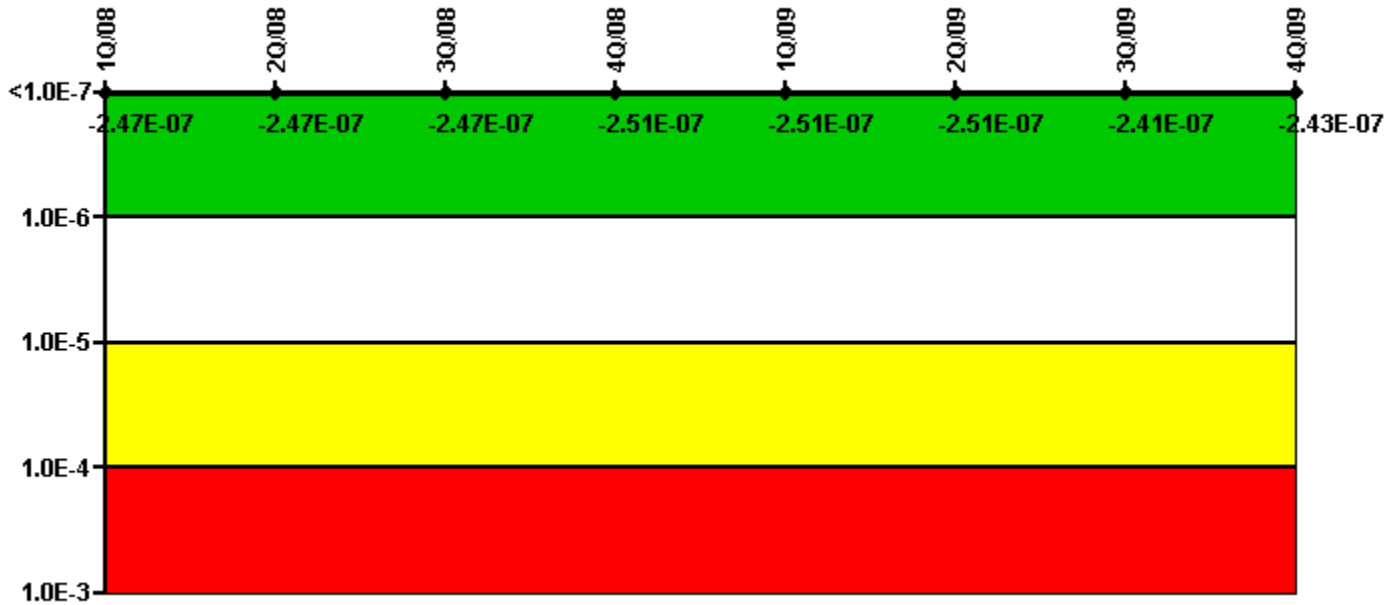
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-4.90E-08	-4.00E-08	-3.50E-08	-3.50E-08	-3.60E-08	-3.60E-08	-3.60E-08	-2.70E-08
URI (Δ CDF)	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07	-3.70E-07	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.19E-07	-4.10E-07	-4.05E-07	-4.05E-07	-4.06E-07	-4.06E-07	-4.06E-07	-3.80E-08

Licensee Comments:

4Q/09: The mission time (TM) for MSPI Emergency AC Power (Clinton Emergency Diesel Generators, Divisions 1 and 2) was changed from 24 hours to 6 hours as described in NEI 99-02 Rev 06, approved October 2009.

Mitigating Systems Performance Index, High Pressure Injection System



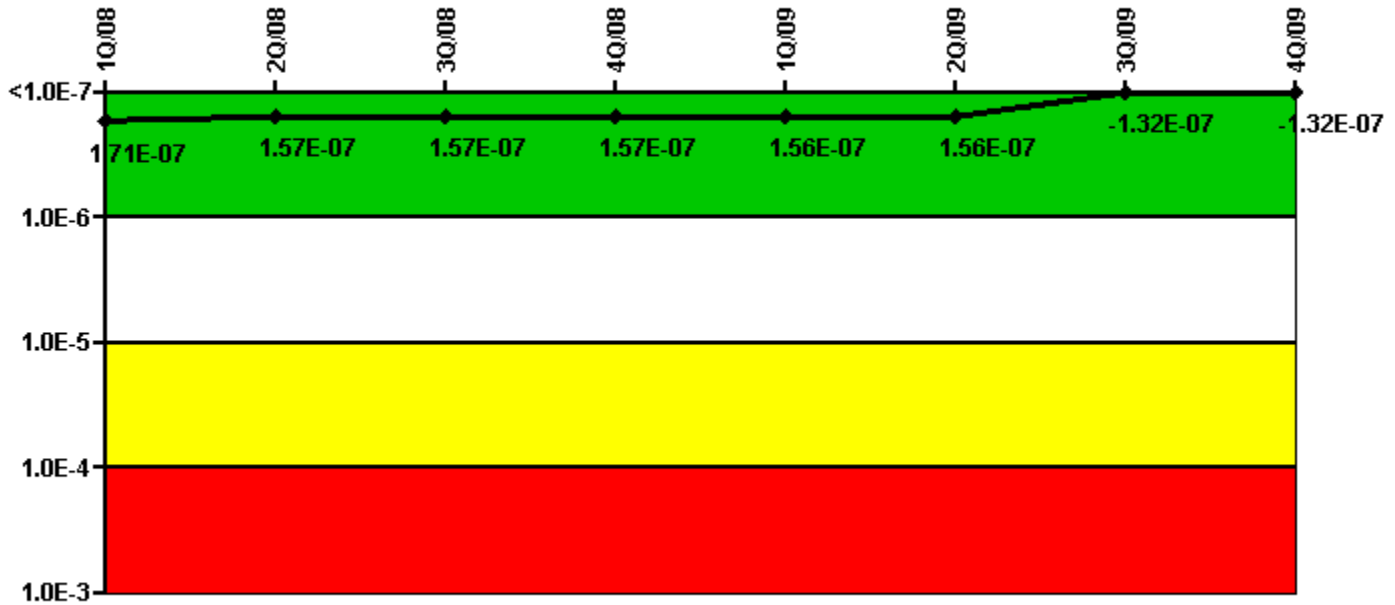
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-5.70E-08	-5.70E-08	-5.70E-08	-6.10E-08	-6.10E-08	-6.10E-08	-6.10E-08	-6.30E-08
URI (Δ CDF)	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-1.80E-07	-1.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.47E-07	-2.47E-07	-2.47E-07	-2.51E-07	-2.51E-07	-2.51E-07	-2.41E-07	-2.43E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



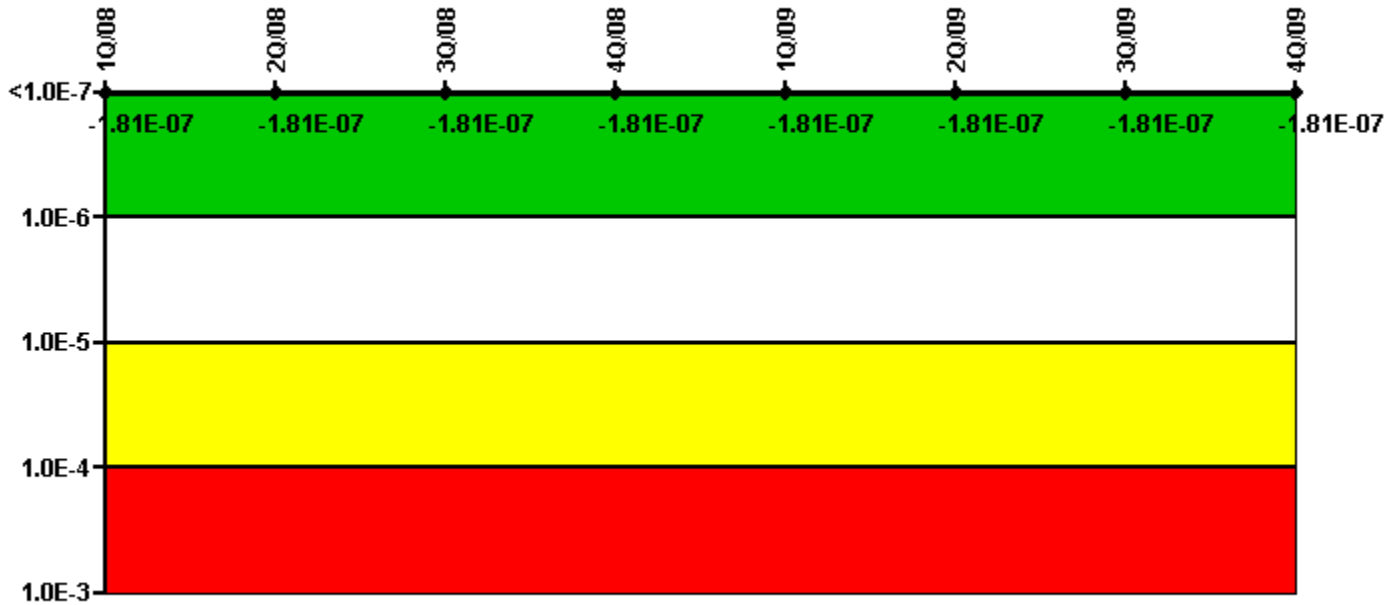
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-1.90E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.40E-08	-3.40E-08	-4.80E-08	-4.80E-08
URI (Δ CDF)	1.90E-07	1.90E-07	1.90E-07	1.90E-07	1.90E-07	1.90E-07	-8.40E-08	-8.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.71E-07	1.57E-07	1.57E-07	1.57E-07	1.56E-07	1.56E-07	-1.32E-07	-1.32E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



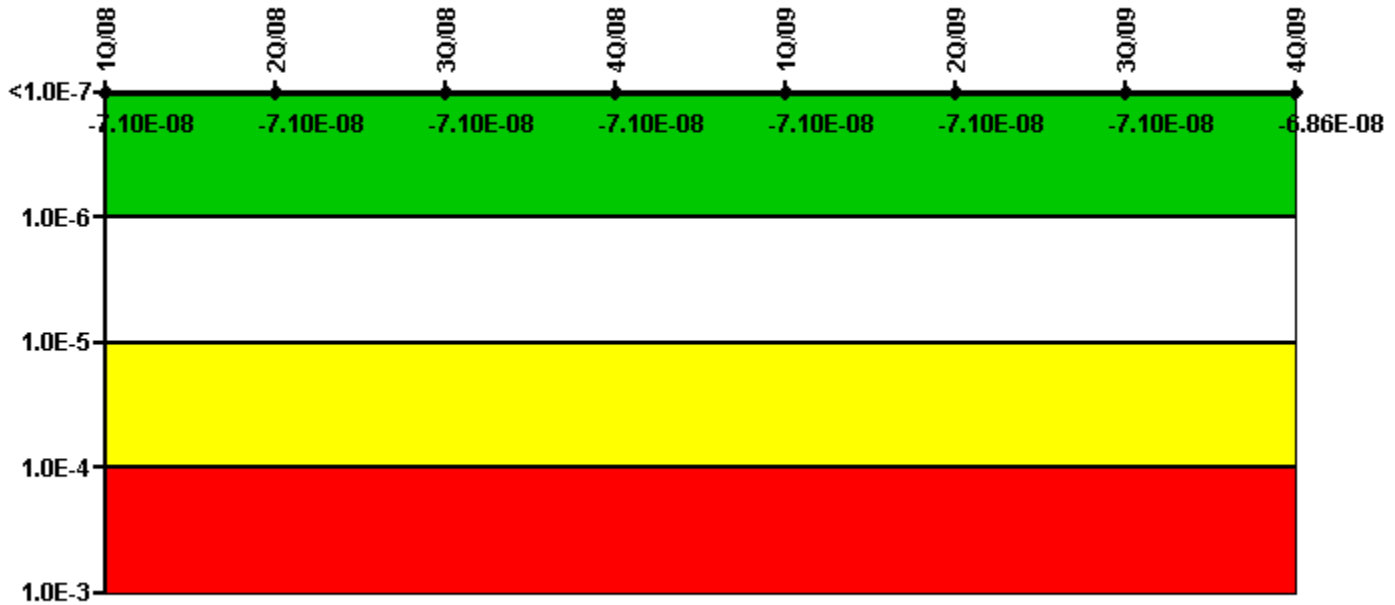
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08
URI (Δ CDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.81E-07	-1.81E-07	-1.81E-07	-1.81E-07	-1.81E-07	-1.81E-07	-1.81E-07	-1.81E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



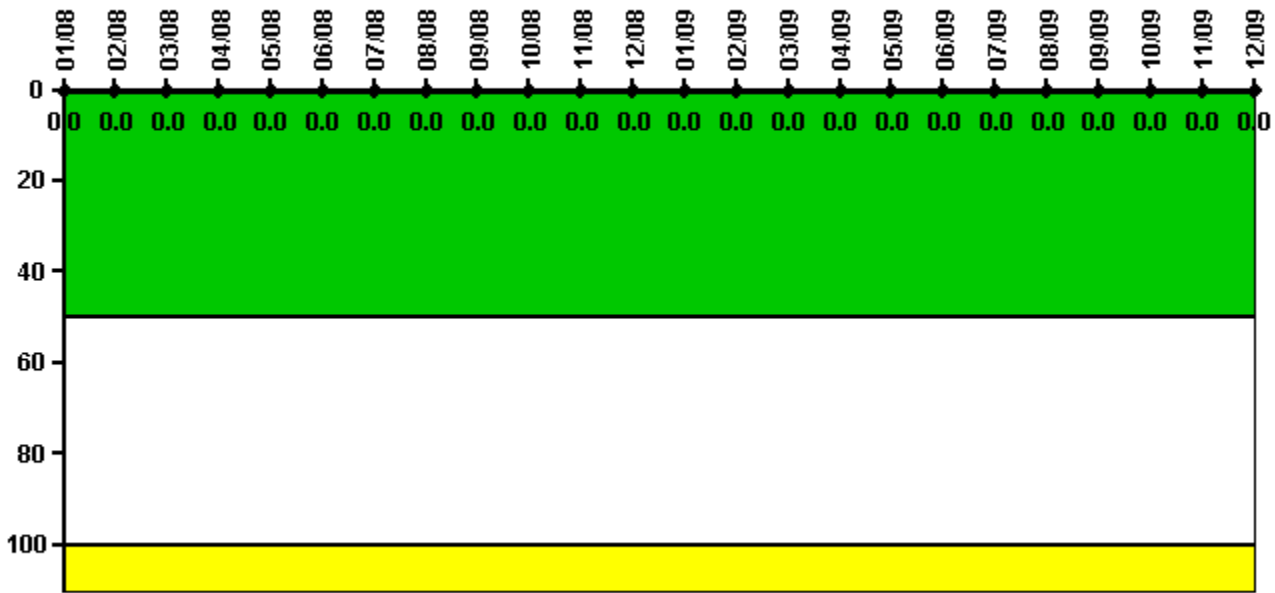
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09
URI (Δ CDF)	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-7.10E-08	-6.86E-08

Licensee Comments: none

Reactor Coolant System Activity



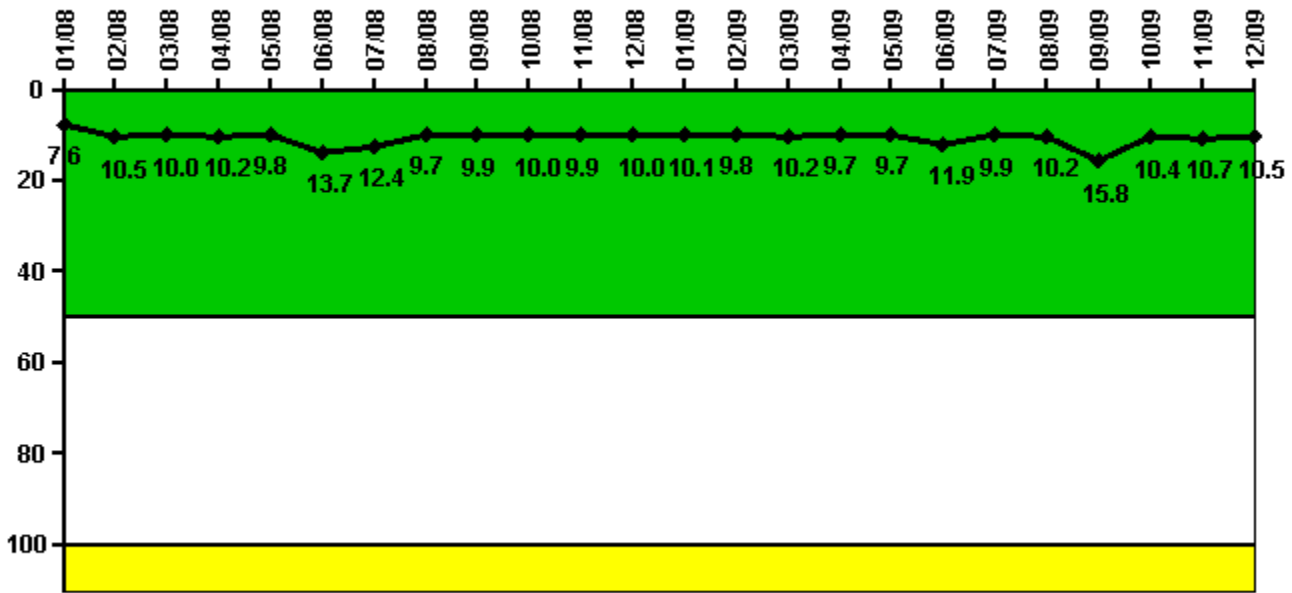
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.000003	0.000002	0.000002	0.000003	0.000003	0.000002	0.000002	0.000002	0.000002	0.000003	0.000002	0.000001
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	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.000002	0.000002	0.000002	0.000002	0.000002	0.000003	0.000002	0.000002	0.000002	0.000003	0.000003	0.000002
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

Licensee Comments: none

Reactor Coolant System Leakage



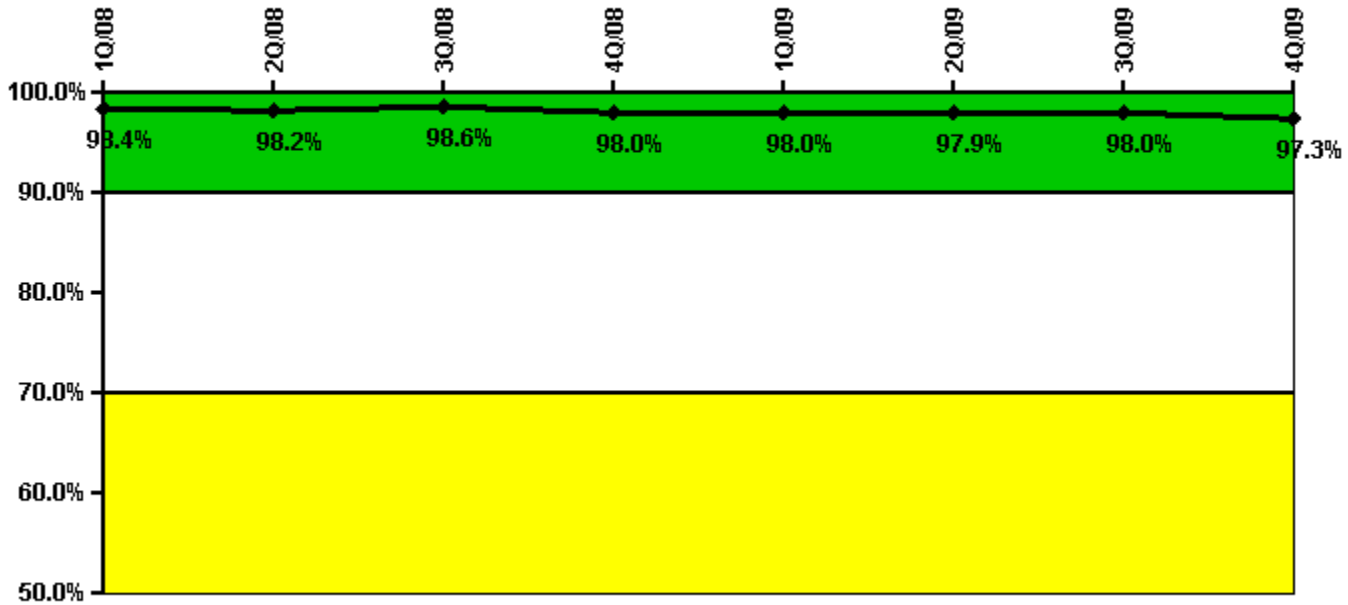
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	2.280	3.160	2.990	3.050	2.940	4.100	3.720	2.910	2.960	2.990	2.960	3.010
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	7.6	10.5	10.0	10.2	9.8	13.7	12.4	9.7	9.9	10.0	9.9	10.0
Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	3.040	2.930	3.060	2.910	2.900	3.570	2.970	3.050	4.740	3.130	3.210	3.140
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	10.1	9.8	10.2	9.7	9.7	11.9	9.9	10.2	15.8	10.4	10.7	10.5

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

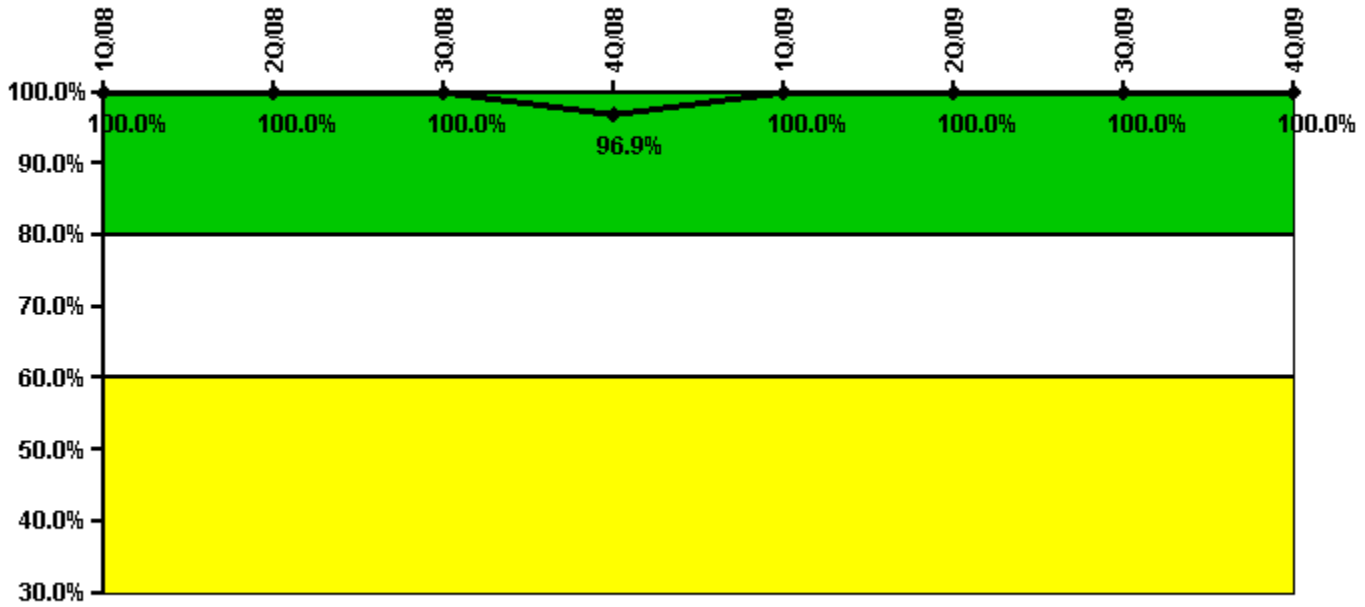
Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	8.0	28.0	24.0	52.0	65.0	44.0	41.0	62.0
Total opportunities	8.0	28.0	24.0	54.0	66.0	46.0	42.0	65.0
Indicator value	98.4%	98.2%	98.6%	98.0%	98.0%	97.9%	98.0%	97.3%

Licensee Comments:

4Q/09: Drill performance opportunities that were not included in the March 2009 data have been added to the data. No impact to indicator color.

ERO Drill Participation



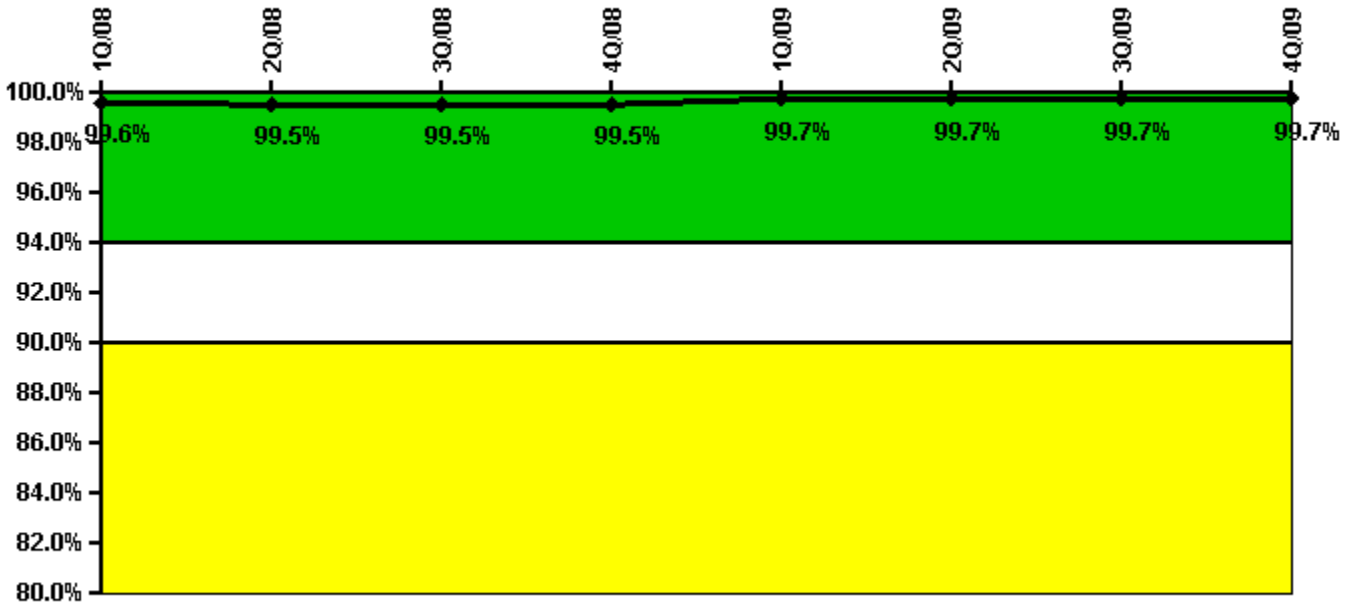
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	61.0	67.0	63.0	62.0	68.0	61.0	66.0	65.0
Total Key personnel	61.0	67.0	63.0	64.0	68.0	61.0	66.0	65.0
Indicator value	100.0%	100.0%	100.0%	96.9%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



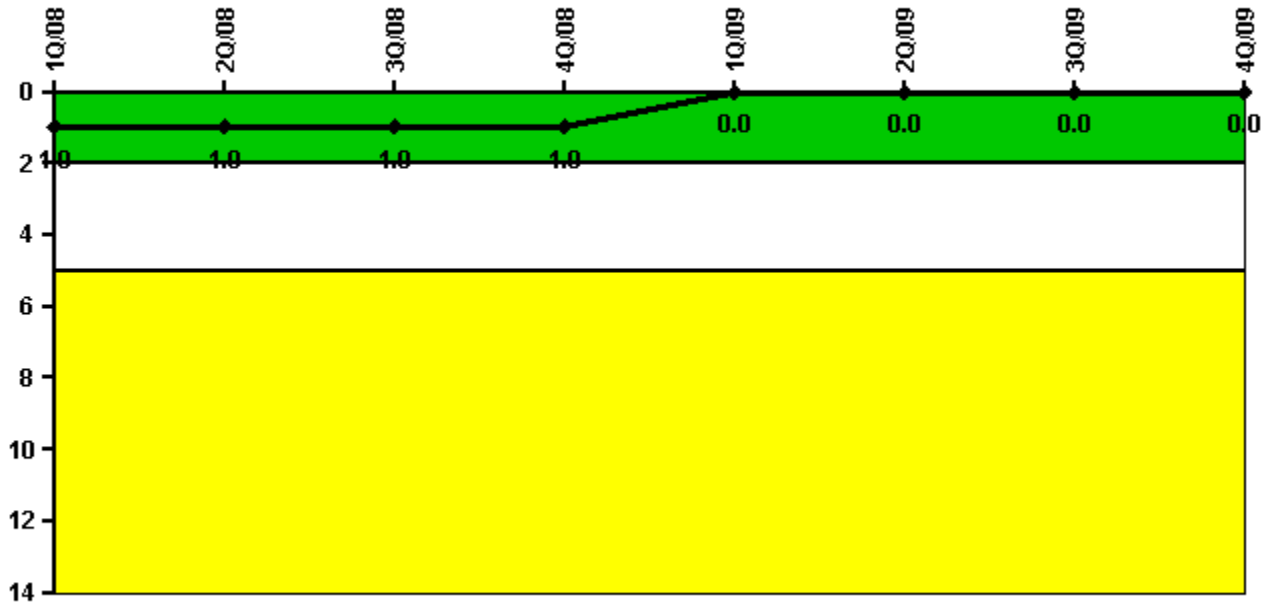
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	2788	2807	2849	2804	2767	2808	2847	2812
Total sirens-tests	2810	2815	2860	2816	2772	2816	2860	2816
Indicator value	99.6%	99.5%	99.5%	99.5%	99.7%	99.7%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
High radiation area occurrences	1	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	1	1	1	1	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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