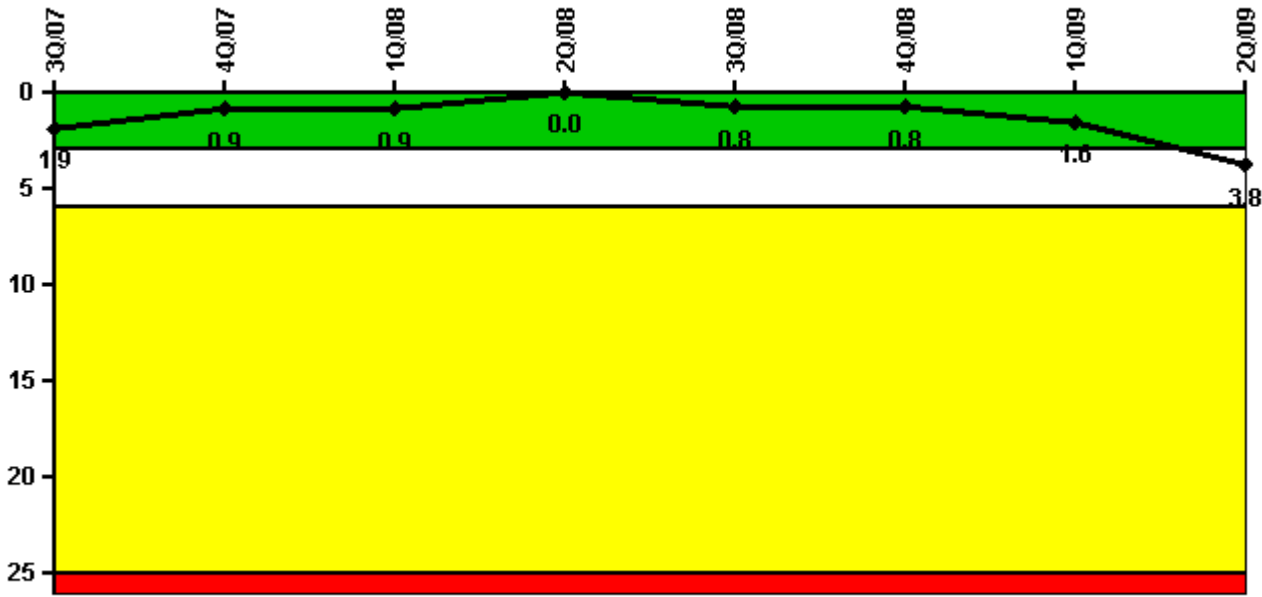


Columbia Generating Station

2Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

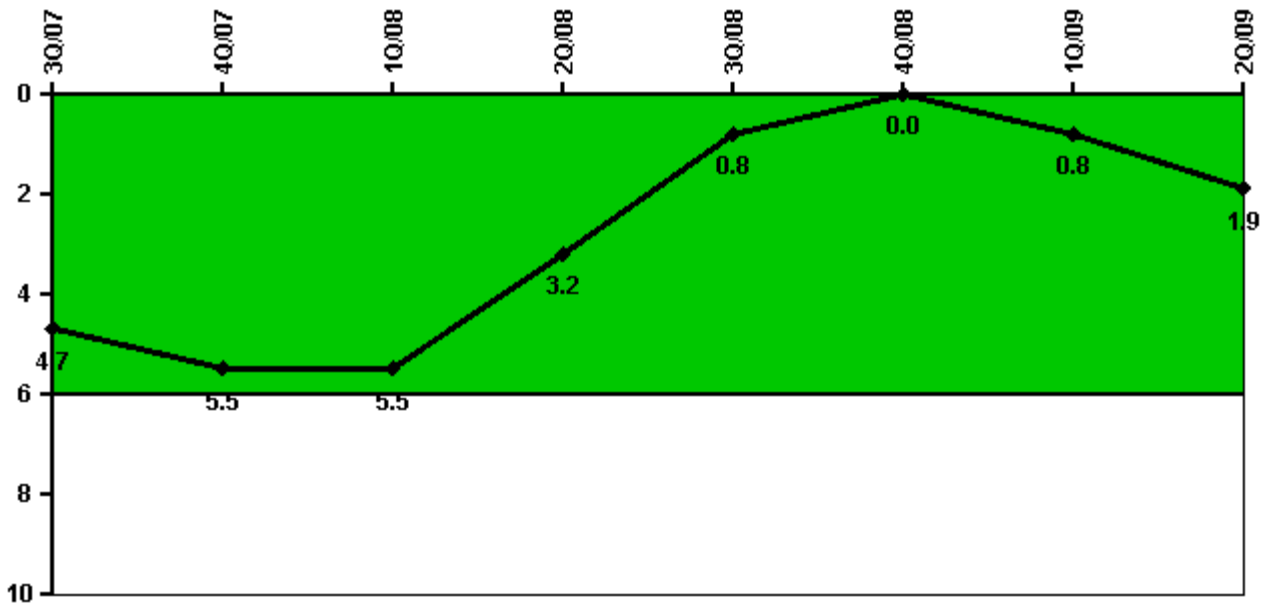
Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	0	1.0	0	1.0	2.0
Critical hours	2208.0	2209.0	2183.0	2184.0	2162.8	2109.2	2053.5	1049.1
Indicator value	1.9	0.9	0.9	0	0.8	0.8	1.6	3.8

Licensee Comments:

2Q/09: Within the last year Columbia has experienced four unplanned reactor scrams. These will drive the NRC Indicator Unplanned Scrams per 7000 Critical Hours across the GREEN/WHITE threshold. The four Scrams currently counting against the indicator are: 1) An automatic Scram occurred 8/21/08 due to fluid leak in DEH system. 2) An Automatic plant Scram occurred 2/8/09 due to a momentary pressure drop in the DEH System during Quad-voter testing. 3) A Manual plant Scram occurred 5/8/09 due to decreasing H2 pressure on the Main Generator and an apparent loss of seal oil. 4) A Manual plant Scram occurred 6/26/09 due to a lube oil fire.

Unplanned Power Changes per 7000 Critical Hrs



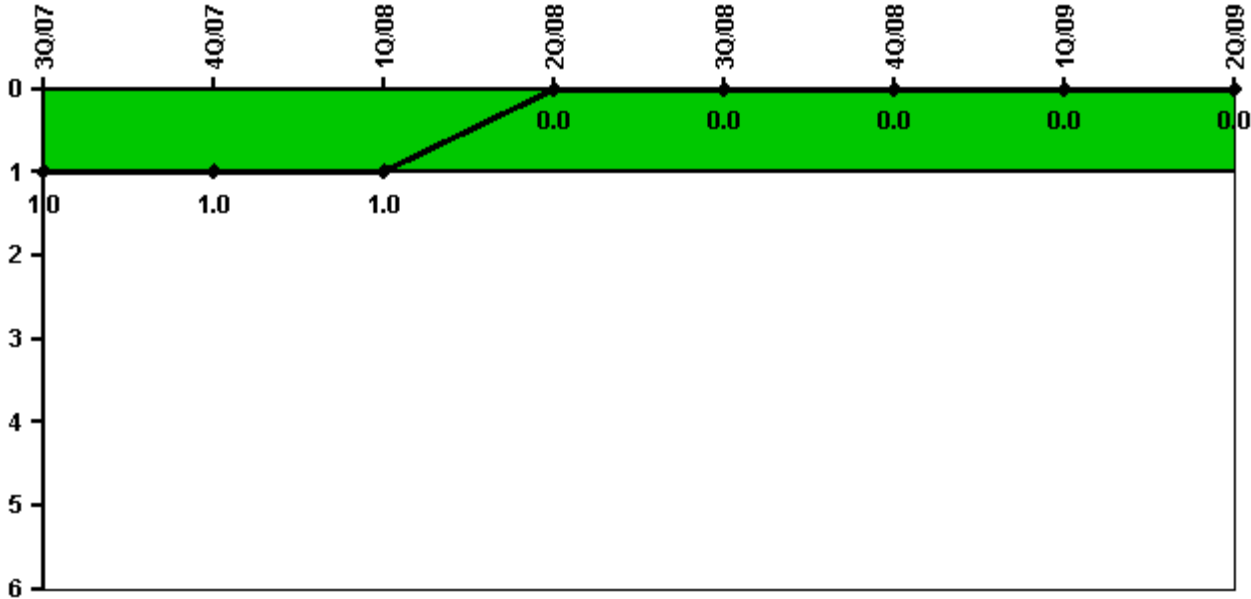
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	3.0	1.0	0	0	0	0	1.0	1.0
Critical hours	2208.0	2209.0	2183.0	2184.0	2162.8	2109.2	2053.5	1049.1
Indicator value	4.7	5.5	5.5	3.2	0.8	0	0.8	1.9

Licensee Comments: none

Unplanned Scrams with Complications



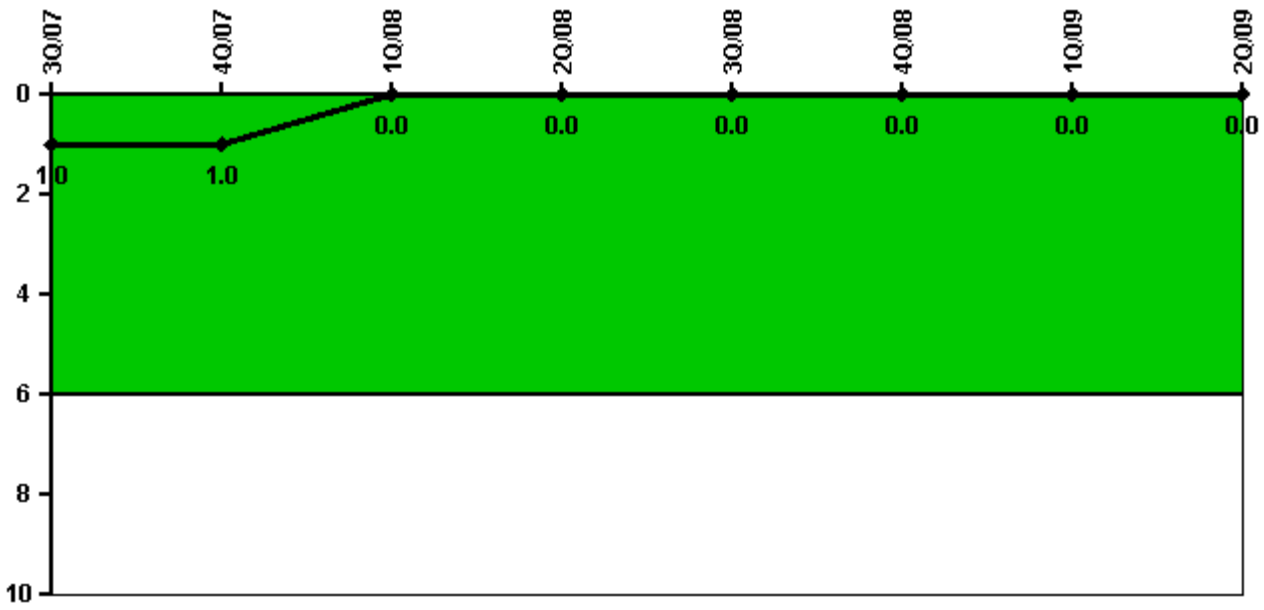
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



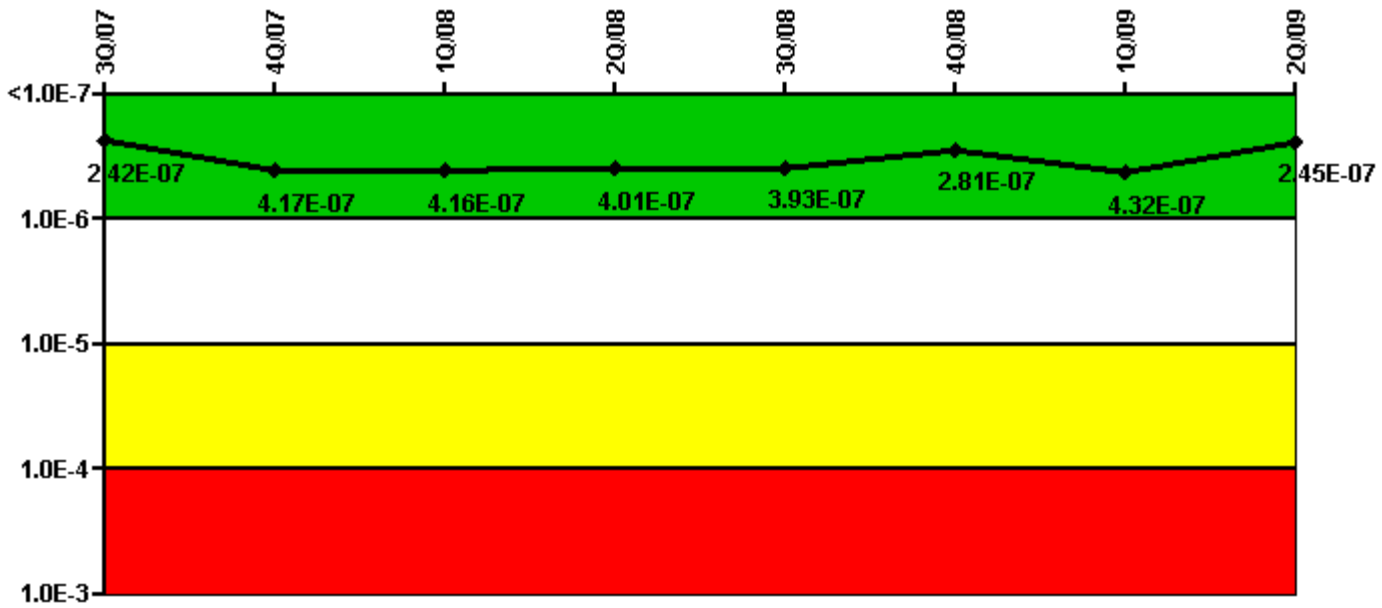
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	1	1	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



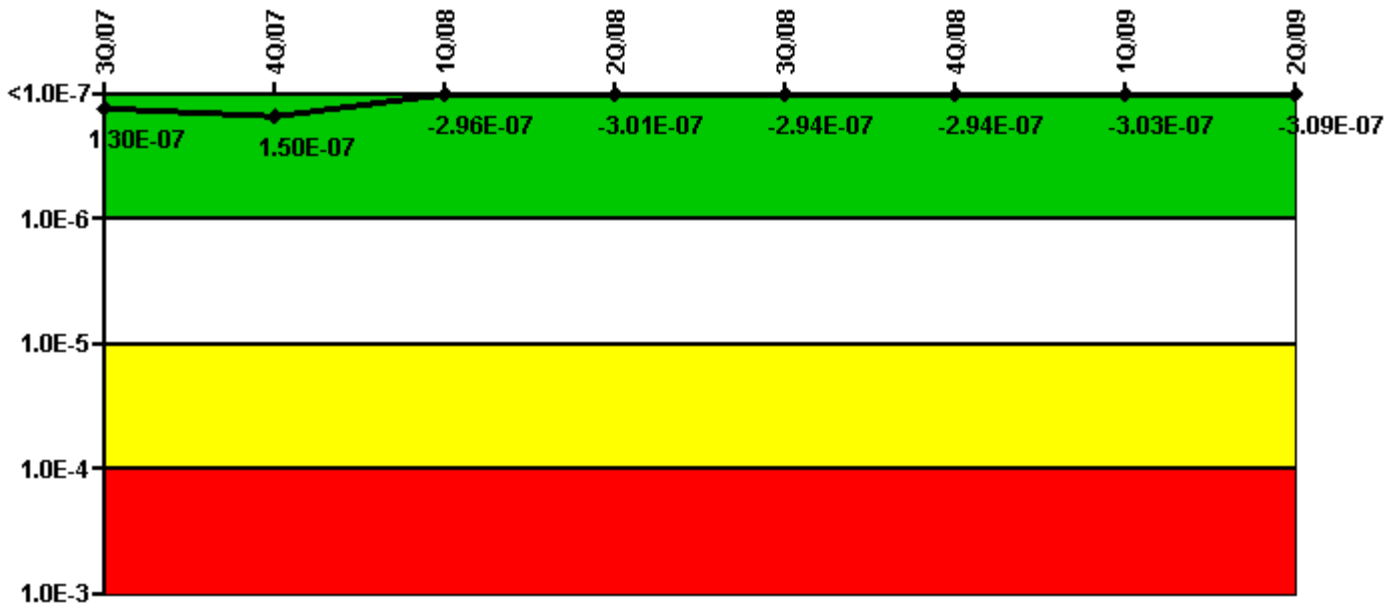
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	1.20E-08	3.70E-08	3.60E-08	2.10E-08	1.30E-08	1.10E-08	2.20E-08	-5.10E-09
URI (Δ CDF)	2.30E-07	3.80E-07	3.80E-07	3.80E-07	3.80E-07	2.70E-07	4.10E-07	2.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.42E-07	4.17E-07	4.16E-07	4.01E-07	3.93E-07	2.81E-07	4.32E-07	2.45E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



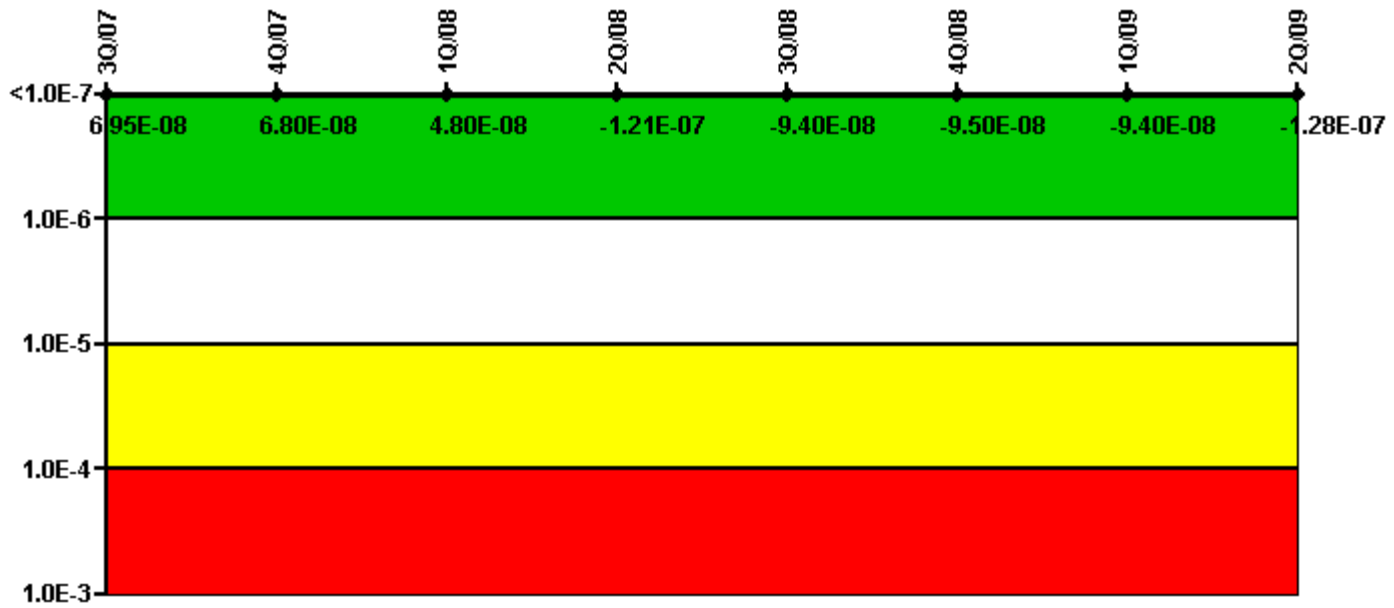
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	4.40E-07	4.60E-07	1.40E-08	9.10E-09	1.60E-08	5.90E-09	6.90E-09	1.50E-09
URI (Δ CDF)	-3.10E-07	-3.10E-07	-3.10E-07	-3.10E-07	-3.10E-07	-3.00E-07	-3.10E-07	-3.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.30E-07	1.50E-07	-2.96E-07	-3.01E-07	-2.94E-07	-2.94E-07	-3.03E-07	-3.09E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



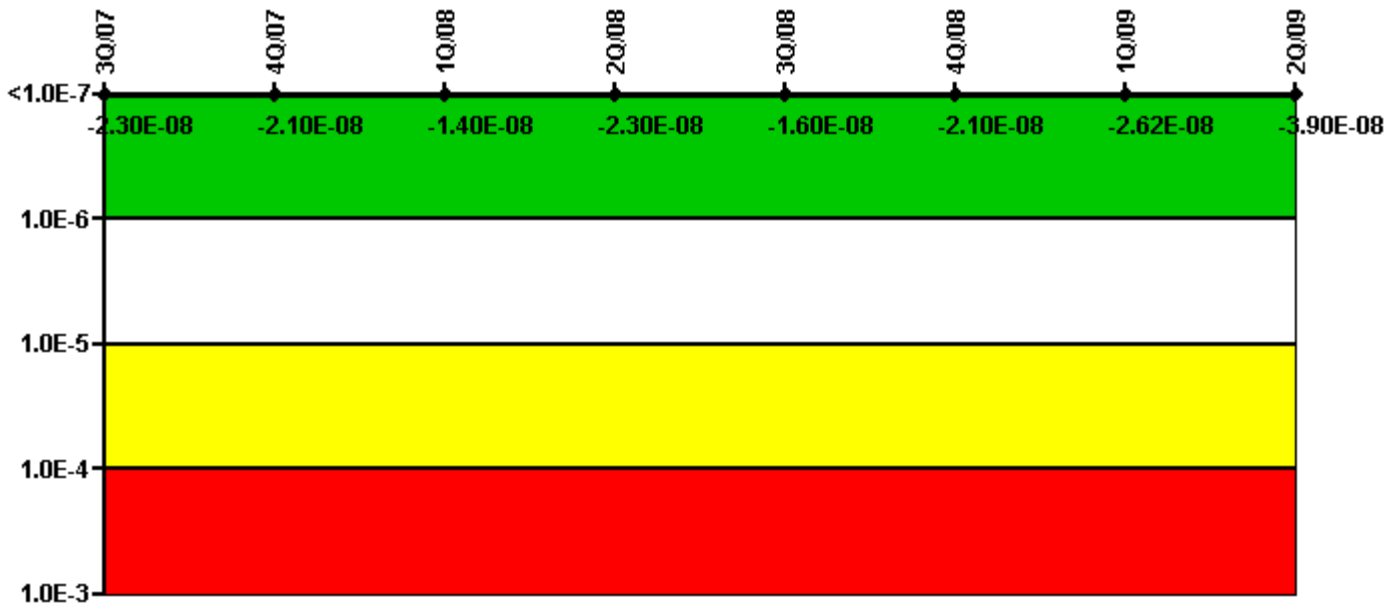
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	-9.50E-09	-1.10E-08	-2.60E-08	-1.10E-08	1.60E-08	1.50E-08	1.60E-08	-8.40E-09
URI (Δ CDF)	7.90E-08	7.90E-08	7.40E-08	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.95E-08	6.80E-08	4.80E-08	-1.21E-07	-9.40E-08	-9.50E-08	-9.40E-08	-1.28E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



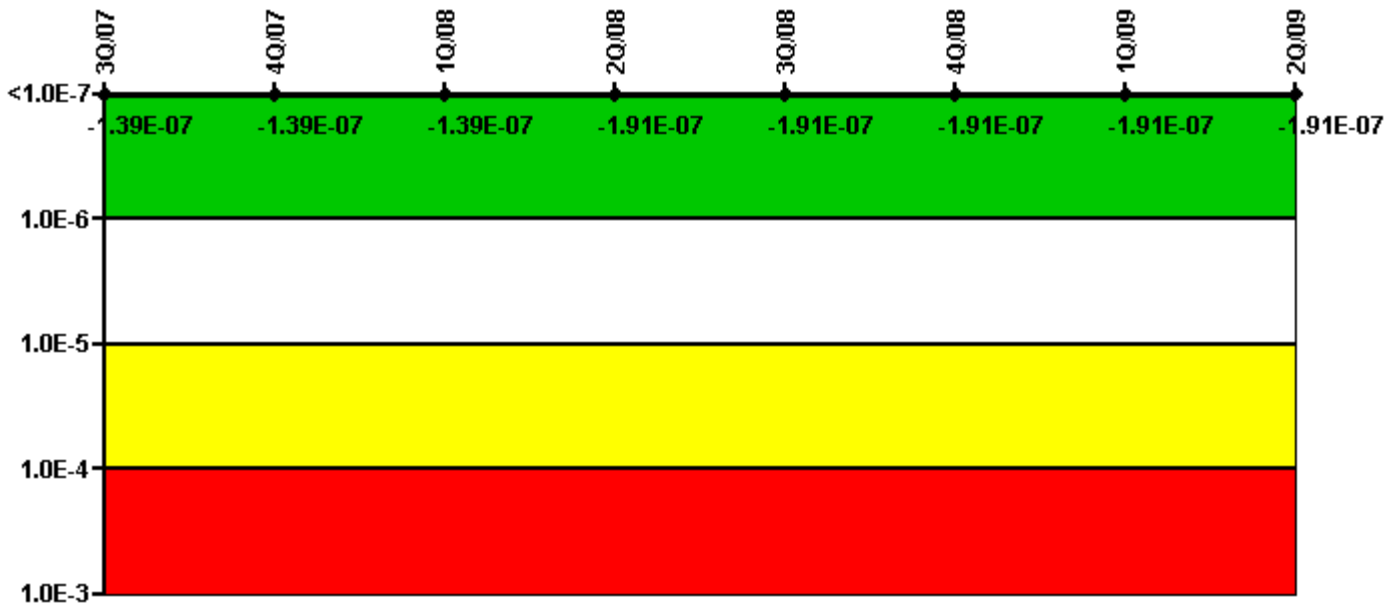
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	1.30E-08	1.50E-08	2.20E-08	1.30E-08	2.00E-08	1.50E-08	9.80E-09	-3.00E-09
URI (Δ CDF)	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-08	-2.10E-08	-1.40E-08	-2.30E-08	-1.60E-08	-2.10E-08	-2.62E-08	-3.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



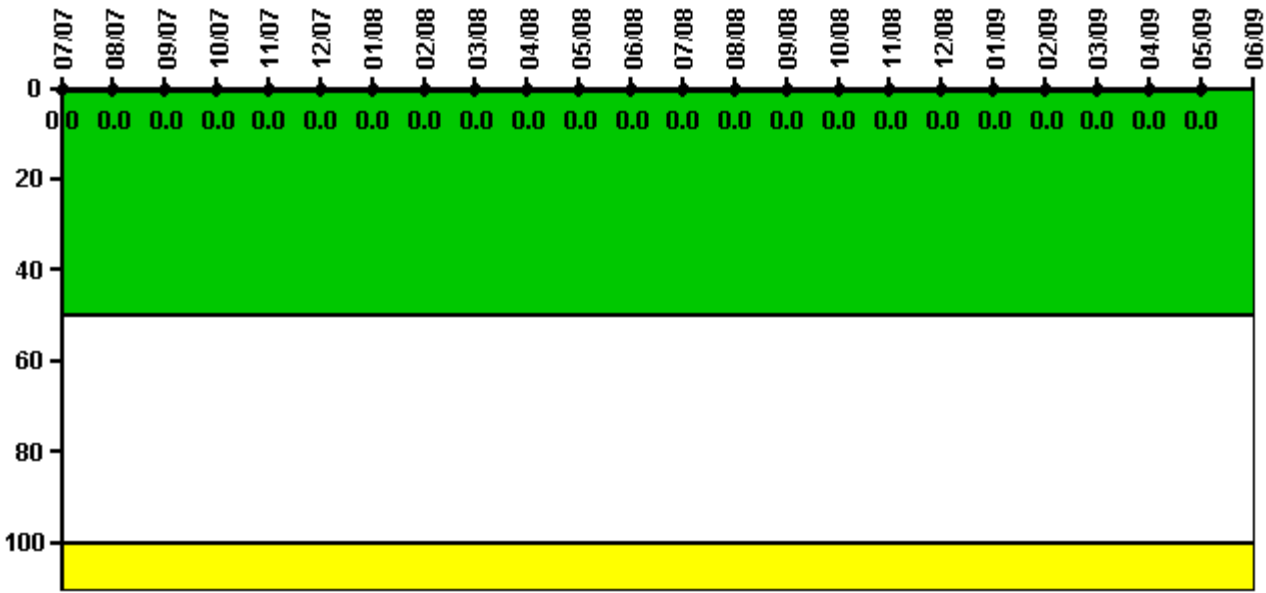
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	2.10E-08	2.10E-08	2.10E-08	-3.10E-08	-3.10E-08	-3.10E-08	-3.10E-08	-3.10E-08
URI (Δ CDF)	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.39E-07	-1.39E-07	-1.39E-07	-1.91E-07	-1.91E-07	-1.91E-07	-1.91E-07	-1.91E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

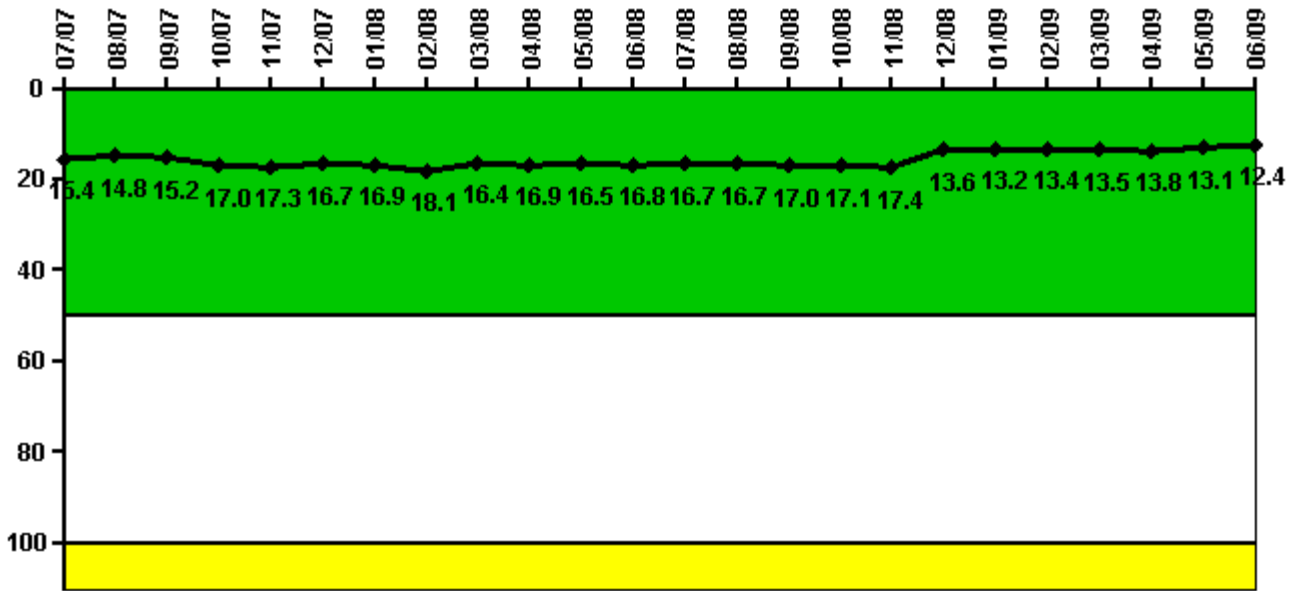
Notes

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000007	0.000008	0.000007	0.000007	0.000006	0.000006	0.000005	0.000005	0.000004	0.000004	0.000004	0.000003
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	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	0.000006	0.000004	0.000003	0.000005	0.000005	0.000003	0.000002	0.000004	0.000003	0.000003	0.000003	N/A
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	N/A

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

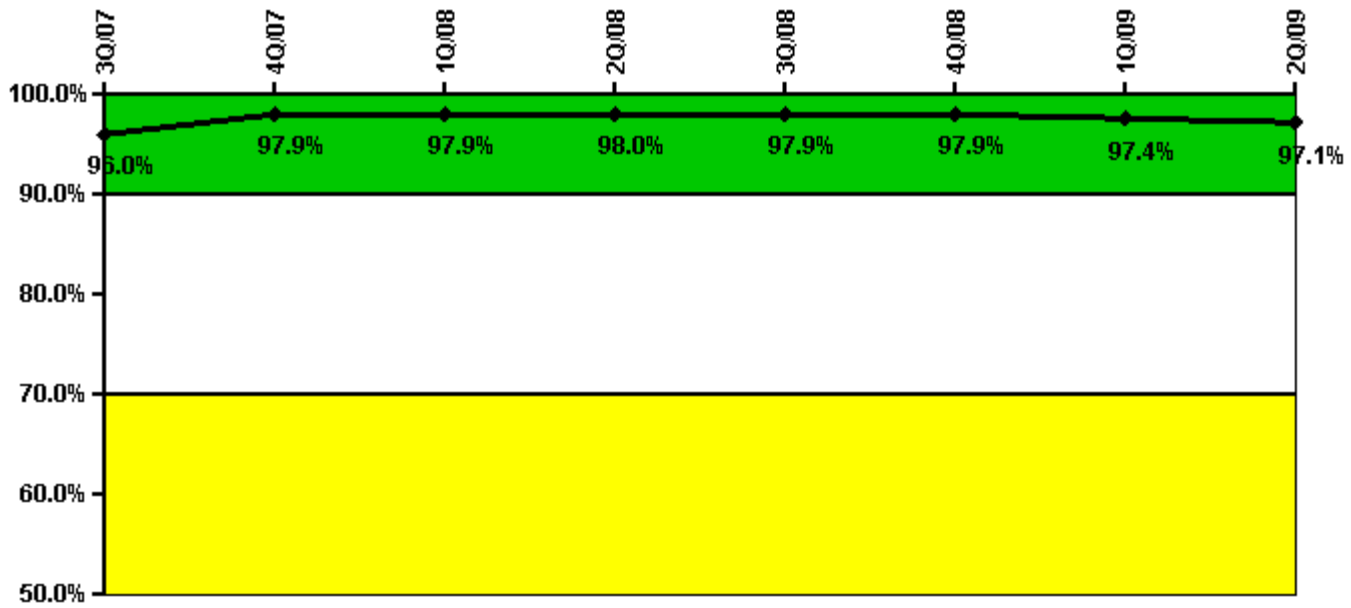
Notes

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	3.860	3.700	3.810	4.240	4.330	4.170	4.220	4.530	4.100	4.230	4.120	4.200
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	15.4	14.8	15.2	17.0	17.3	16.7	16.9	18.1	16.4	16.9	16.5	16.8

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	4.180	4.170	4.260	4.270	4.350	3.400	3.310	3.350	3.380	3.450	3.270	3.090
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	16.7	16.7	17.0	17.1	17.4	13.6	13.2	13.4	13.5	13.8	13.1	12.4

Licensee Comments: none

Drill/Exercise Performance



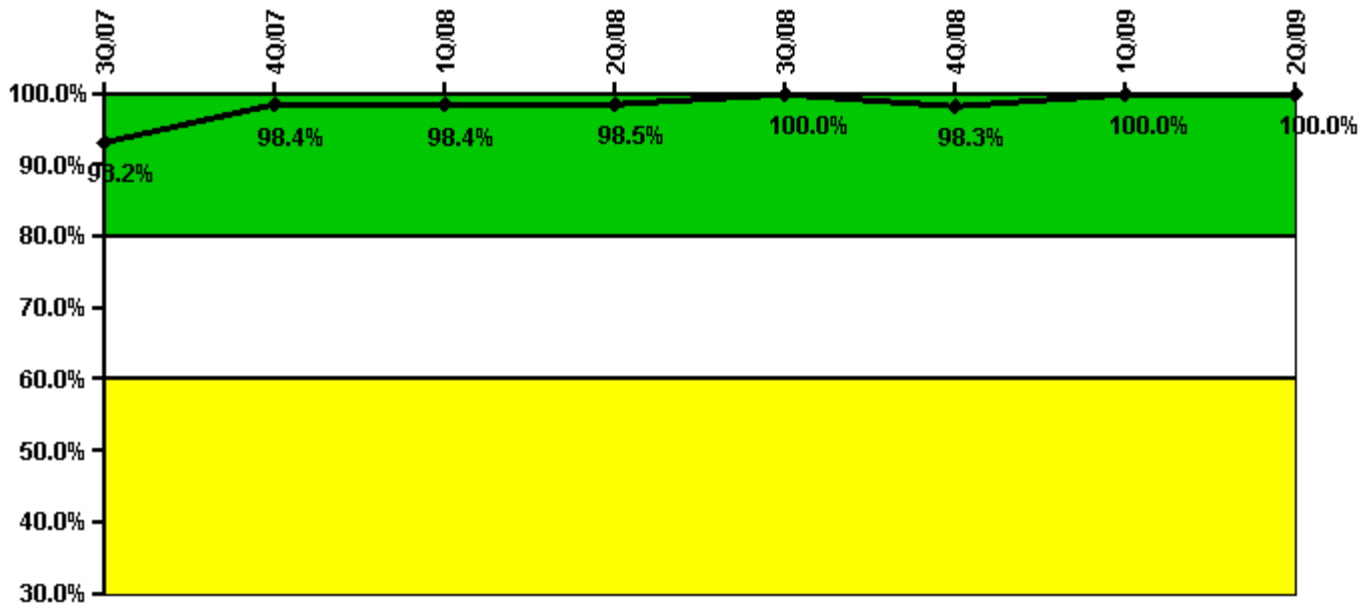
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	11.0	53.0	42.0	48.0	36.0	48.0	17.0	9.0
Total opportunities	12.0	54.0	42.0	50.0	38.0	48.0	18.0	10.0
Indicator value	96.0%	97.9%	97.9%	98.0%	97.9%	97.9%	97.4%	97.1%

Licensee Comments: none

ERO Drill Participation



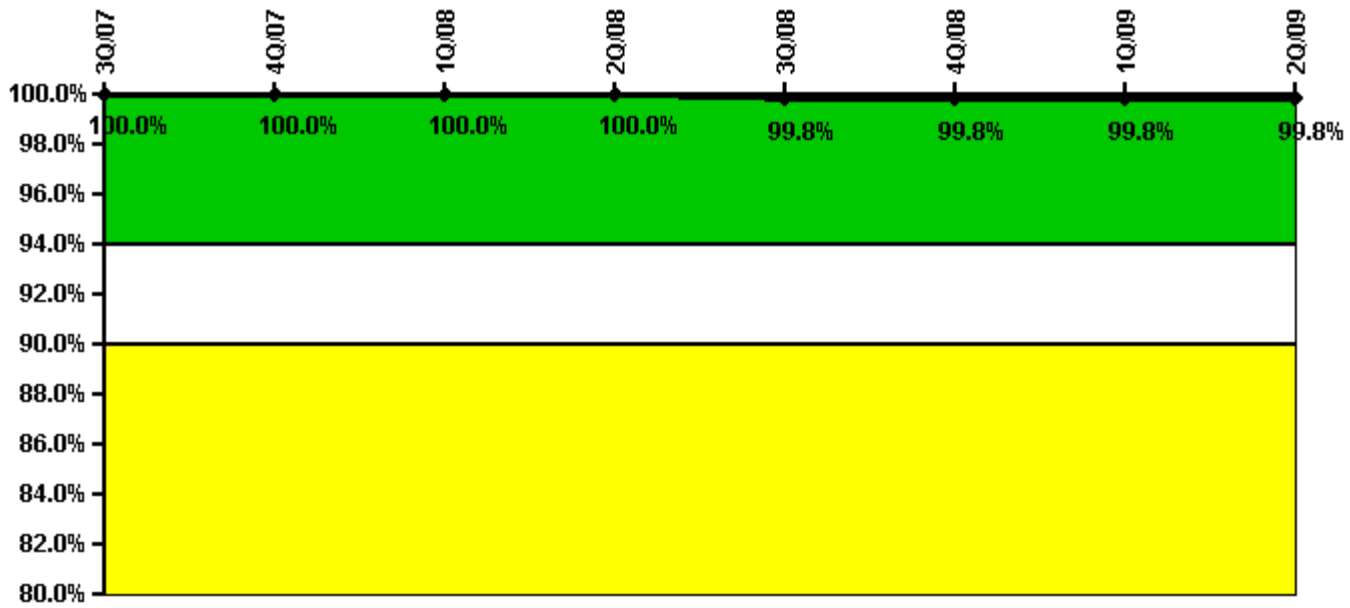
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	55.0	60.0	62.0	64.0	59.0	58.0	59.0	59.0
Total Key personnel	59.0	61.0	63.0	65.0	59.0	59.0	59.0	59.0
Indicator value	93.2%	98.4%	98.4%	98.5%	100.0%	98.3%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



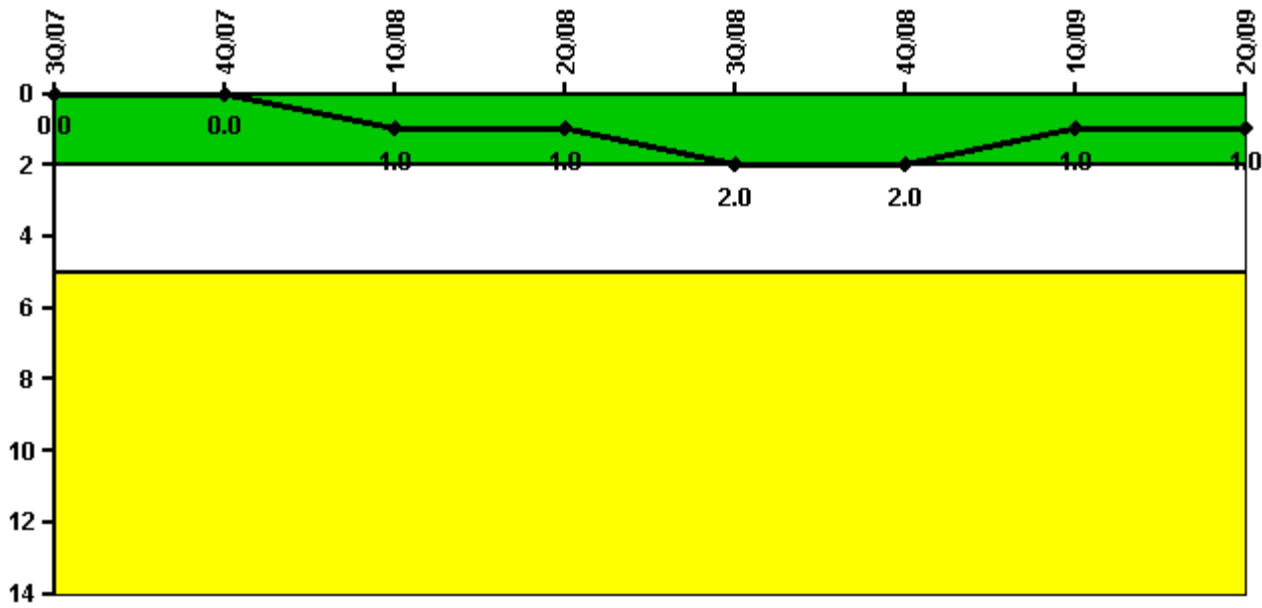
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	143	154	143	143	142	165	132	143
Total sirens-tests	143	154	143	143	143	165	132	143
Indicator value	100.0%	100.0%	100.0%	100.0%	99.8%	99.8%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



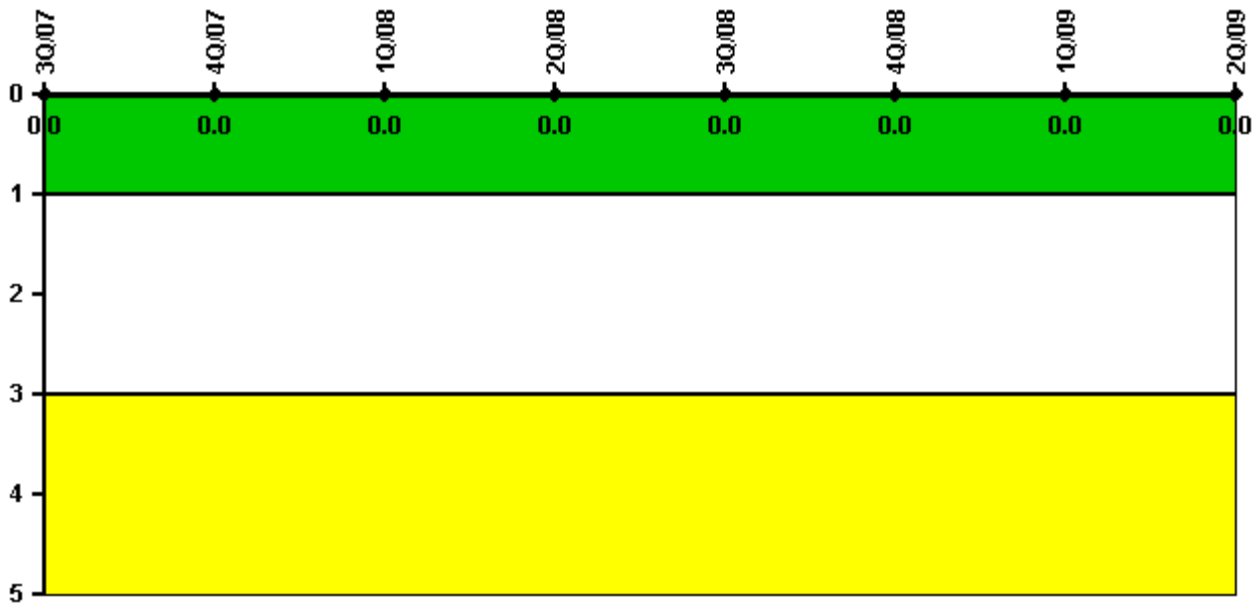
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
High radiation area occurrences	0	0	1	0	1	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	2	2	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/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.