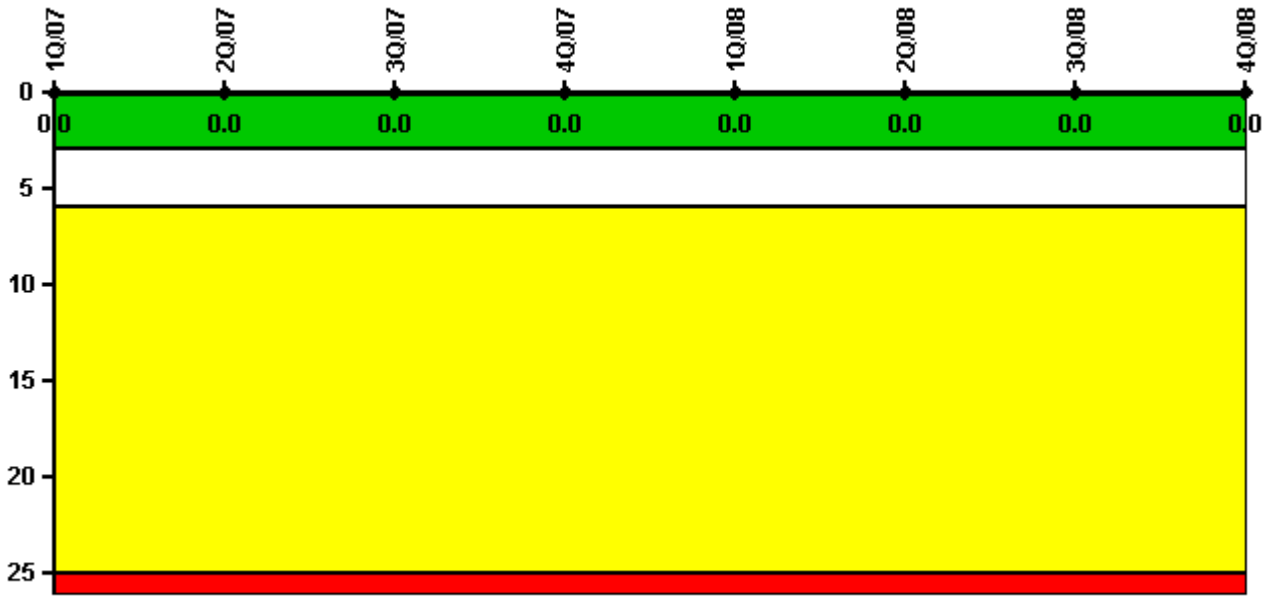


Arkansas Nuclear 2

4Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



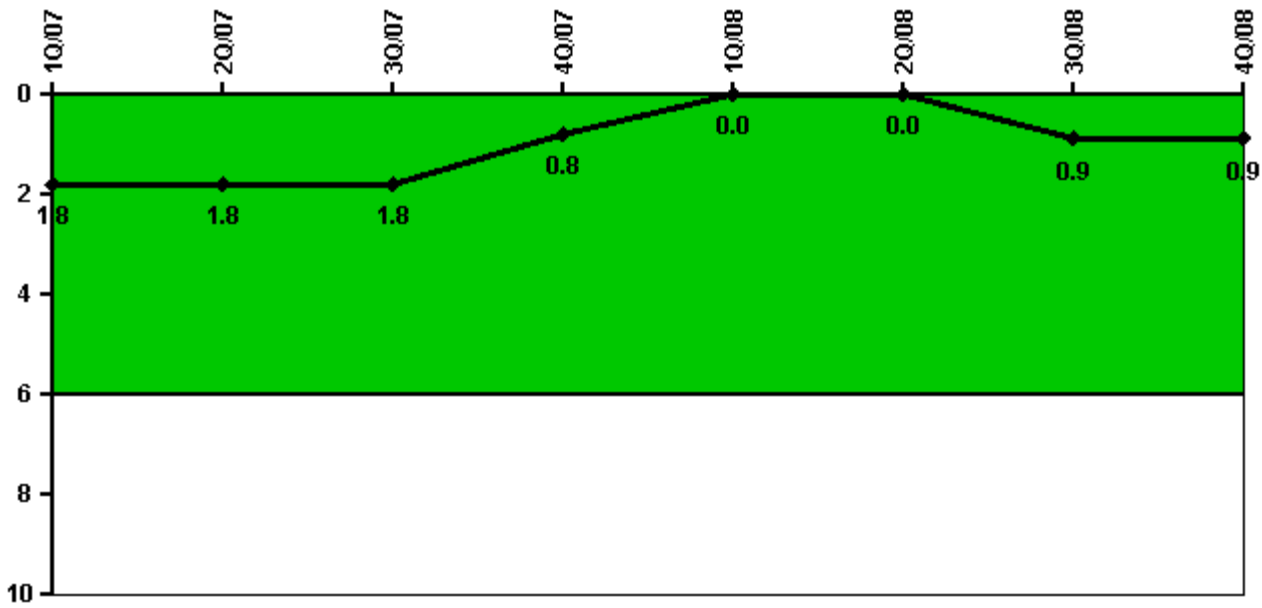
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1991.5	2184.0	2208.0	2209.0	1807.9	1953.3	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



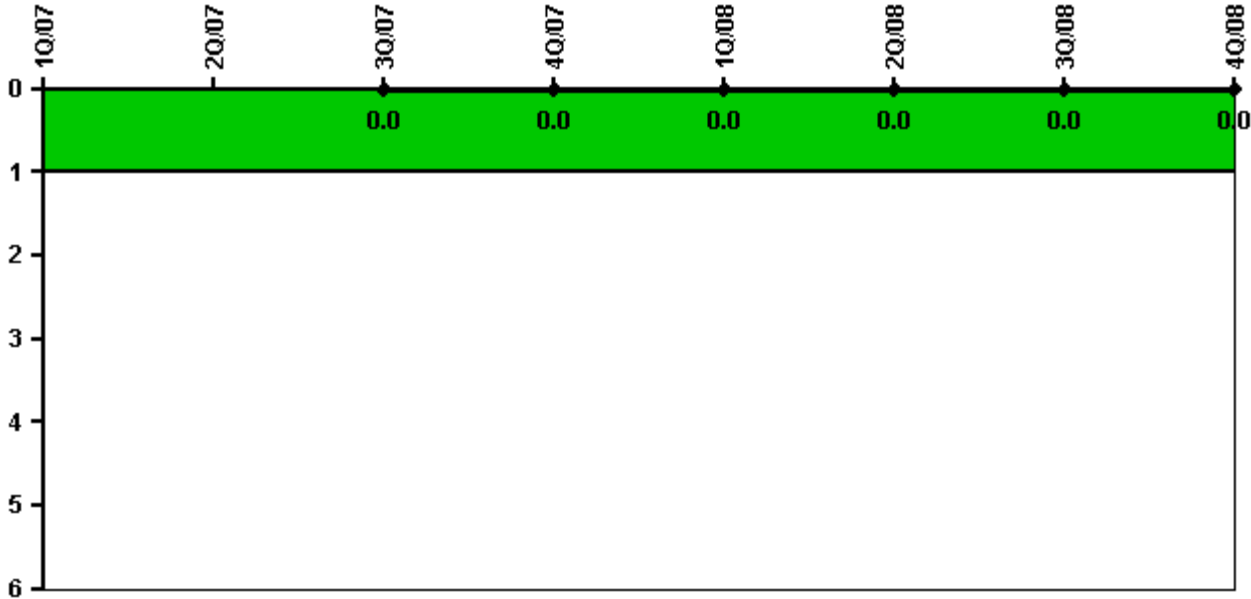
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	1.0	0	0	0	0	0	1.0	0
Critical hours	1991.5	2184.0	2208.0	2209.0	1807.9	1953.3	2208.0	2209.0
Indicator value	1.8	1.8	1.8	0.8	0	0	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



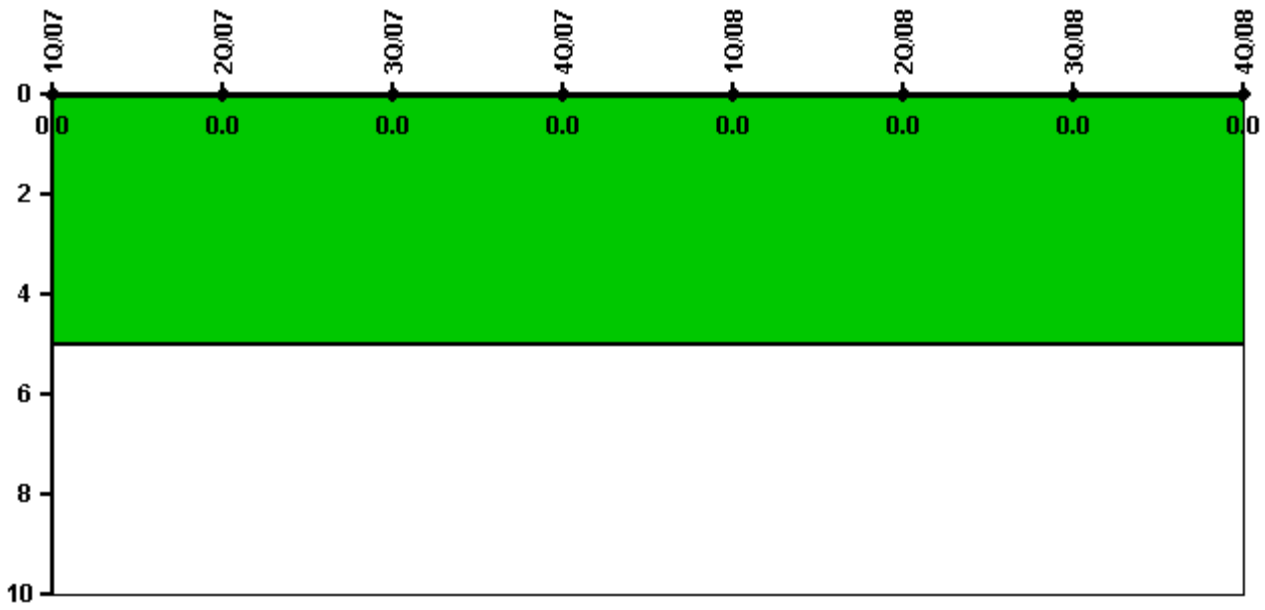
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
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

Licensee Comments: none

Safety System Functional Failures (PWR)



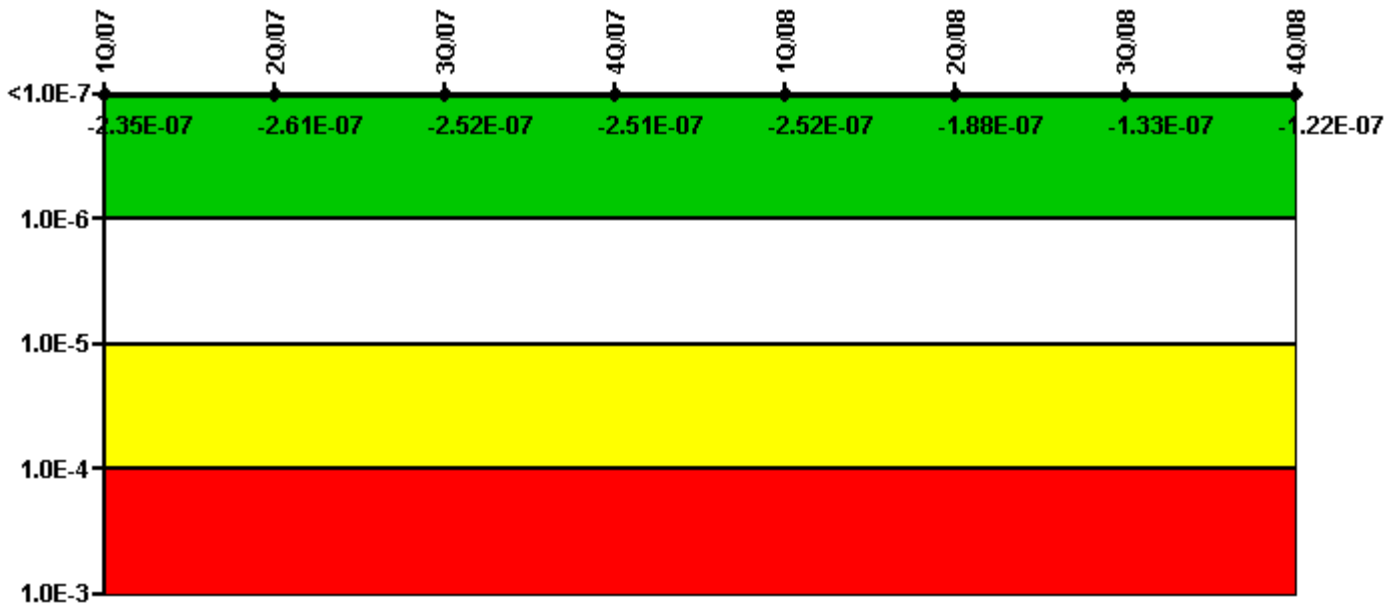
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



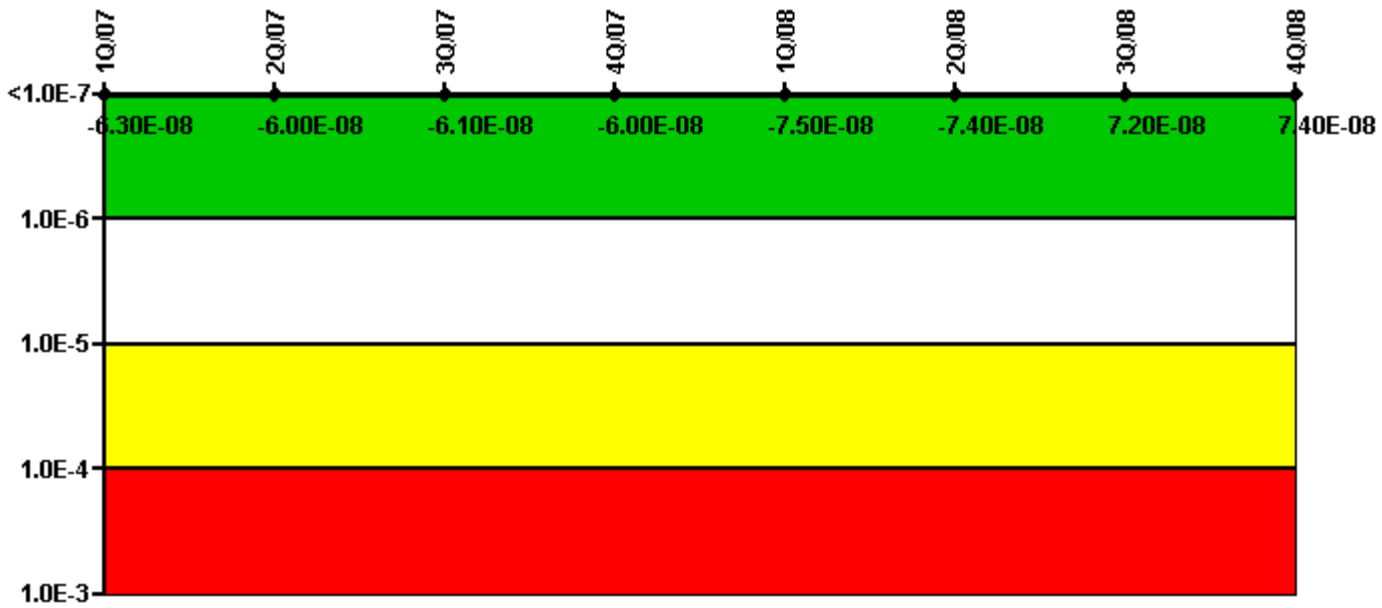
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	-1.50E-08	-2.10E-08	-2.20E-08	-2.10E-08	-2.20E-08	3.20E-08	7.70E-08	9.80E-08
URI (Δ CDF)	-2.20E-07	-2.40E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.20E-07	-2.10E-07	-2.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.35E-07	-2.61E-07	-2.52E-07	-2.51E-07	-2.52E-07	-1.88E-07	-1.33E-07	-1.22E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



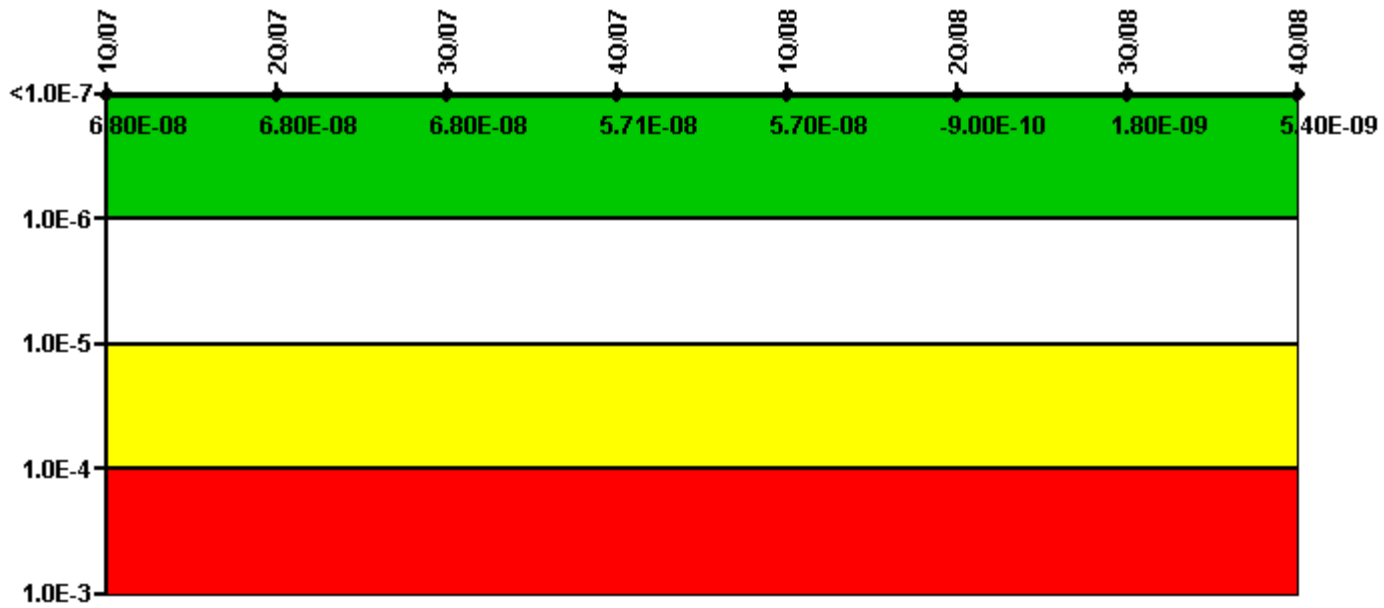
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	-1.00E-08	-1.00E-08	-1.10E-08	-1.10E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08
URI (Δ CDF)	-5.30E-08	-5.00E-08	-5.00E-08	-4.90E-08	-5.00E-08	-4.90E-08	9.70E-08	9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.30E-08	-6.00E-08	-6.10E-08	-6.00E-08	-7.50E-08	-7.40E-08	7.20E-08	7.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



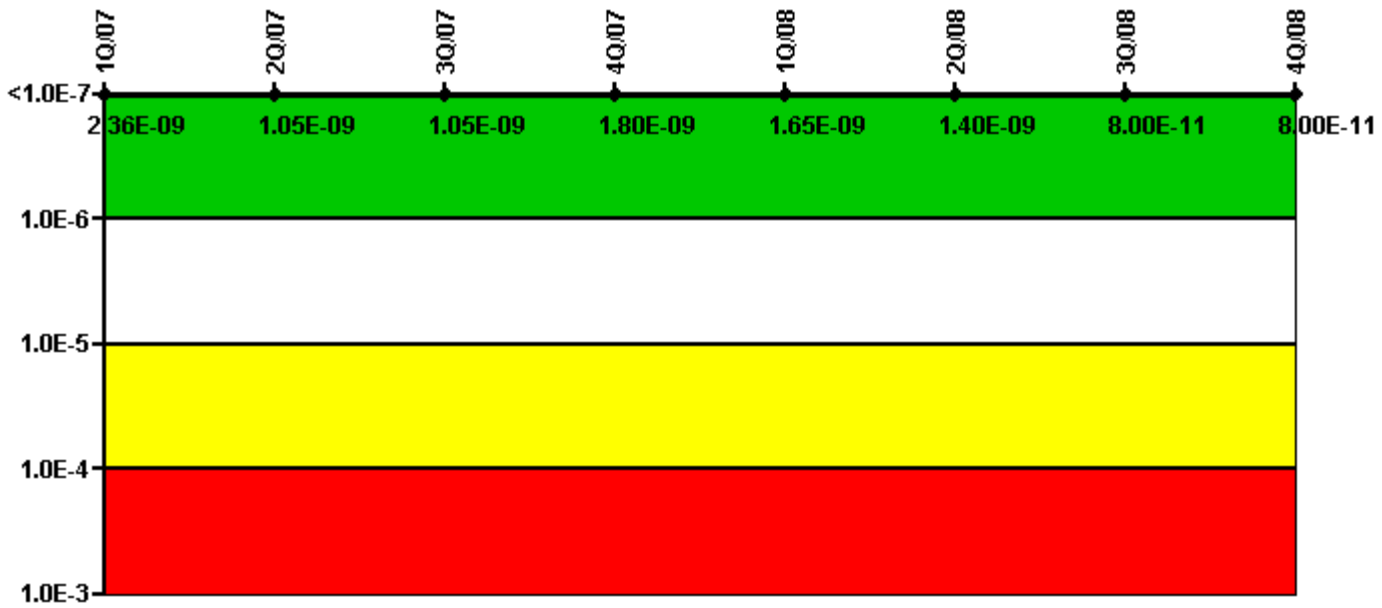
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	1.30E-08	1.30E-08	1.20E-08	1.10E-09	1.00E-09	-1.00E-08	-7.40E-09	-3.80E-09
URI (Δ CDF)	5.50E-08	5.50E-08	5.60E-08	5.60E-08	5.60E-08	9.10E-09	9.20E-09	9.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.80E-08	6.80E-08	6.80E-08	5.71E-08	5.70E-08	-9.00E-10	1.80E-09	5.40E-09

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



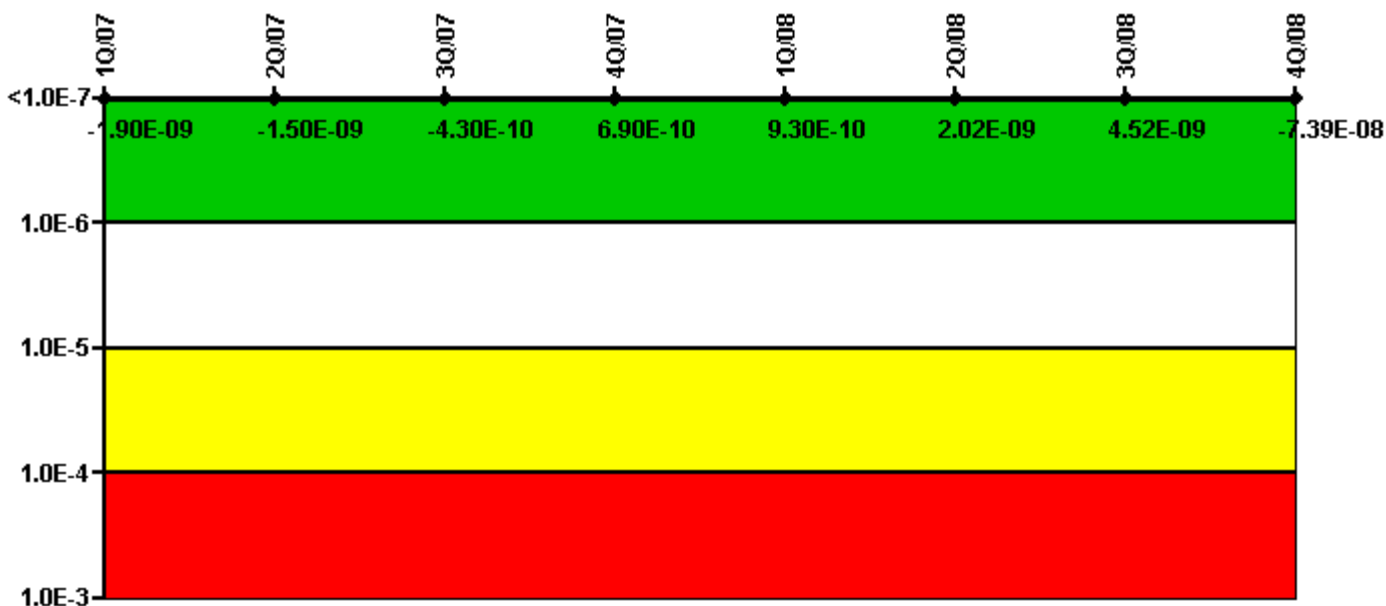
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-1.40E-10	-1.50E-10	-1.50E-10	6.00E-10	4.50E-10	2.00E-10	2.00E-10	2.00E-10
URI (ΔCDF)	2.50E-09	1.20E-09	1.20E-09	1.20E-09	1.20E-09	1.20E-09	-1.20E-10	-1.20E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.36E-09	1.05E-09	1.05E-09	1.80E-09	1.65E-09	1.40E-09	8.00E-11	8.00E-11

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



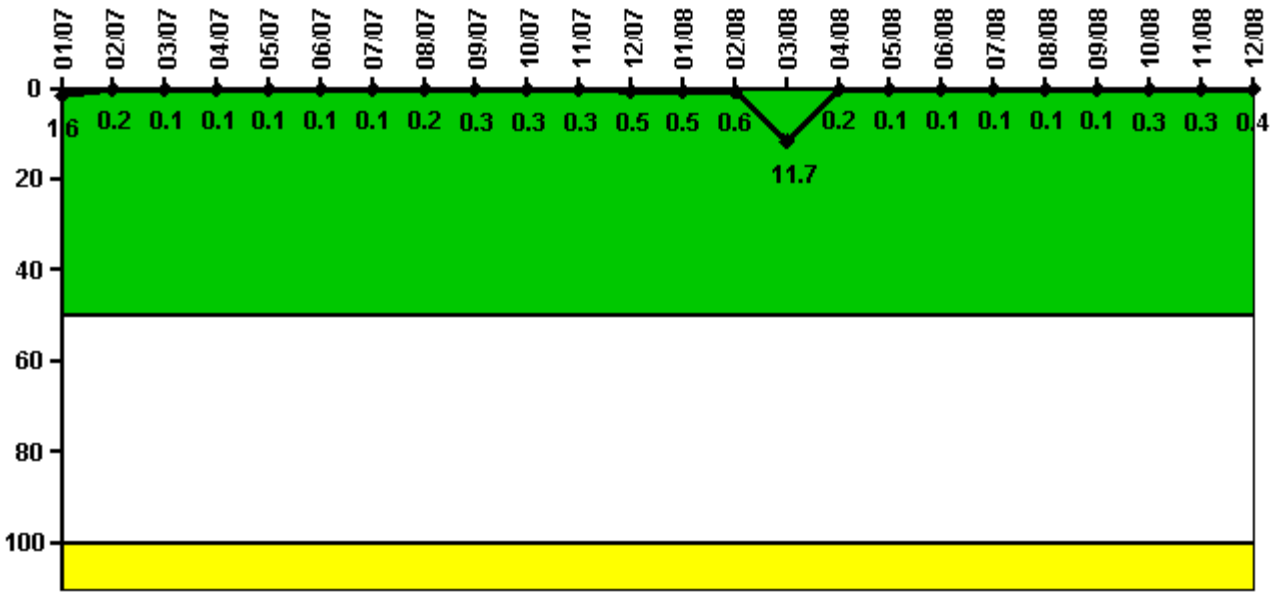
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	0.00E+00	0.00E+00	0.00E+00	1.20E-10	1.20E-10	1.20E-10	1.20E-10	1.20E-10
URI (ΔCDF)	-1.90E-09	-1.50E-09	-4.30E-10	5.70E-10	8.10E-10	1.90E-09	4.40E-09	-7.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-09	-1.50E-09	-4.30E-10	6.90E-10	9.30E-10	2.02E-09	4.52E-09	-7.39E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

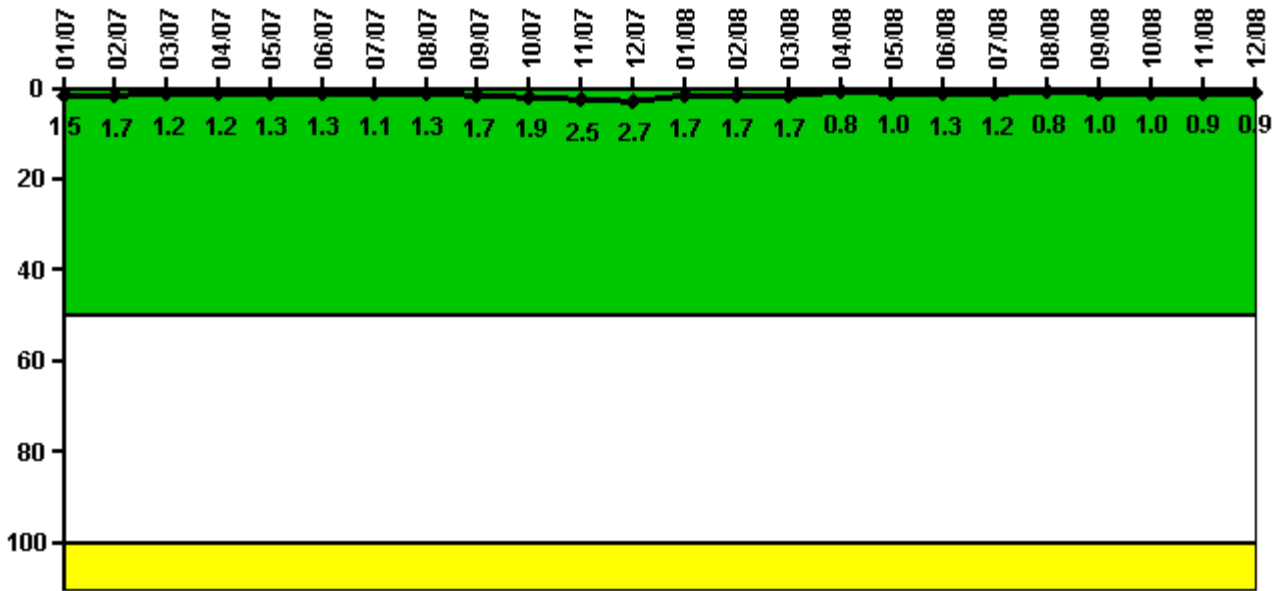
Notes

Reactor Coolant System Activity	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity	0.015500	0.002430	0.000838	0.000825	0.000879	0.001070	0.001280	0.001620	0.002750	0.003240	0.003400	0.005420
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	1.6	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.5

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	0.005270	0.005540	0.117000	0.001850	0.000594	0.000644	0.000671	0.000712	0.000960	0.002760	0.002960	0.003860
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.5	0.6	11.7	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.4

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

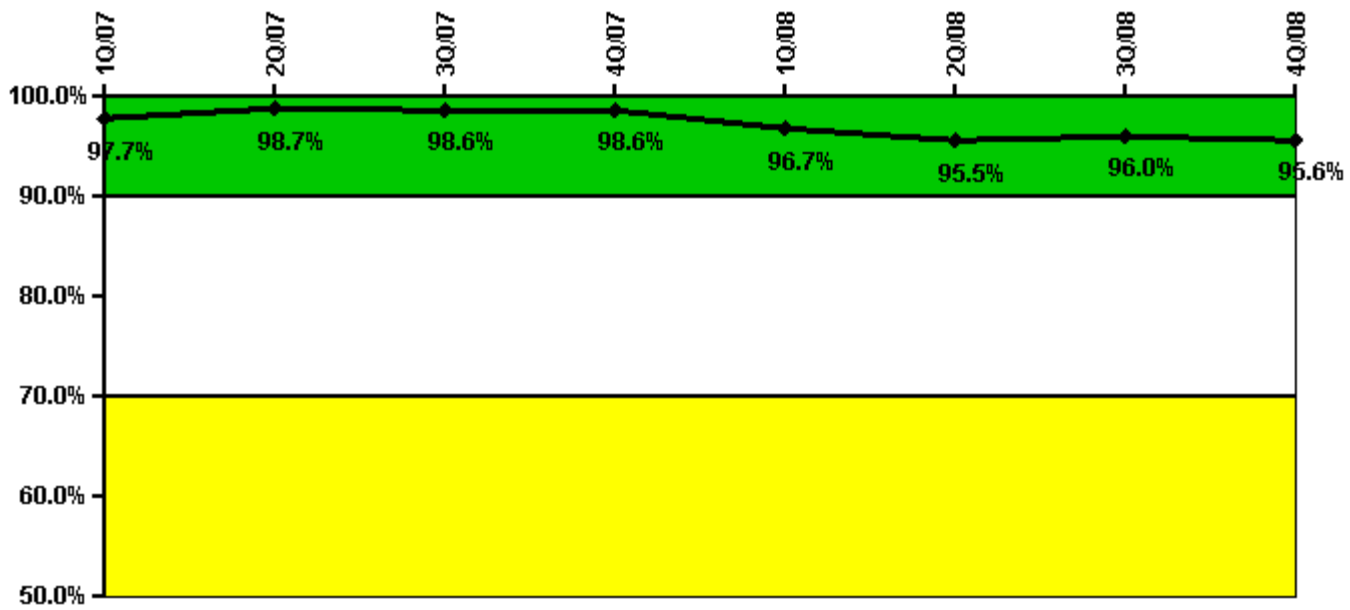
Notes

Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	0.149	0.165	0.123	0.120	0.133	0.132	0.114	0.131	0.167	0.185	0.251	0.268
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.5	1.7	1.2	1.2	1.3	1.3	1.1	1.3	1.7	1.9	2.5	2.7
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	0.172	0.169	0.166	0.084	0.101	0.128	0.123	0.083	0.103	0.100	0.086	0.087
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.7	1.7	1.7	0.8	1.0	1.3	1.2	0.8	1.0	1.0	0.9	0.9

Licensee Comments:

12/08: Total Leakage is being used for this indicator in lieu of Identified Leakage.

Drill/Exercise Performance



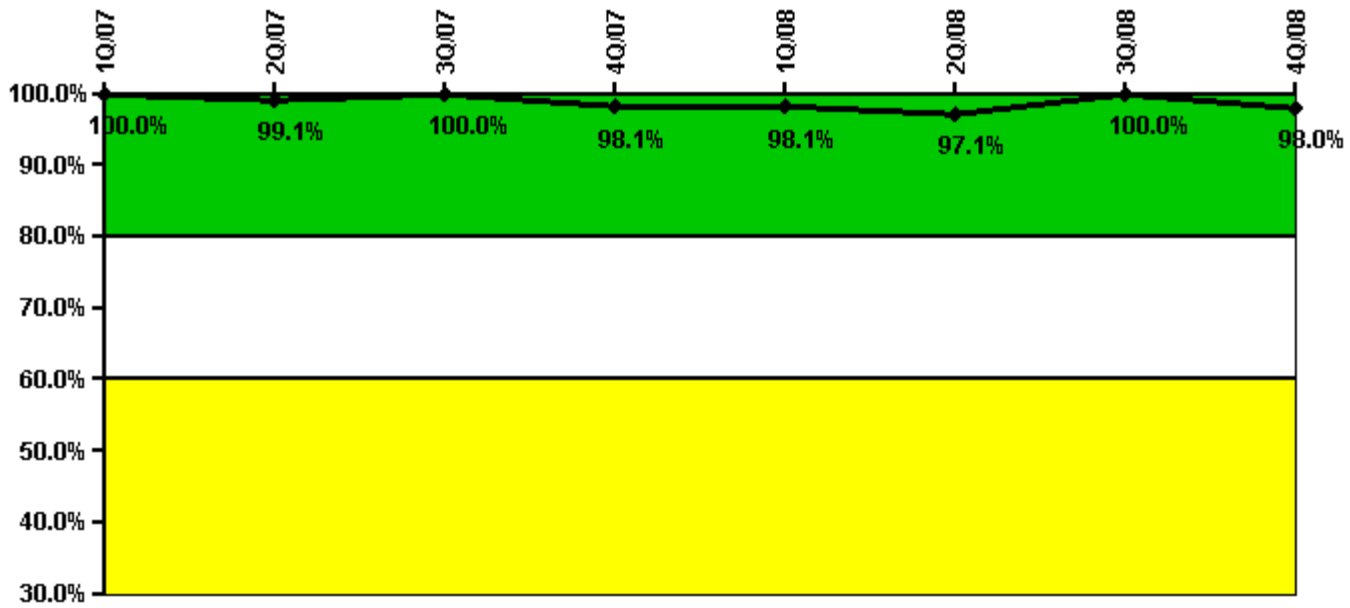
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	7.0	23.0	21.0	4.0	11.0	34.0	26.0	4.0
Total opportunities	7.0	23.0	22.0	4.0	14.0	36.0	26.0	4.0
Indicator value	97.7%	98.7%	98.6%	98.6%	96.7%	95.5%	96.0%	95.6%

Licensee Comments: none

ERO Drill Participation



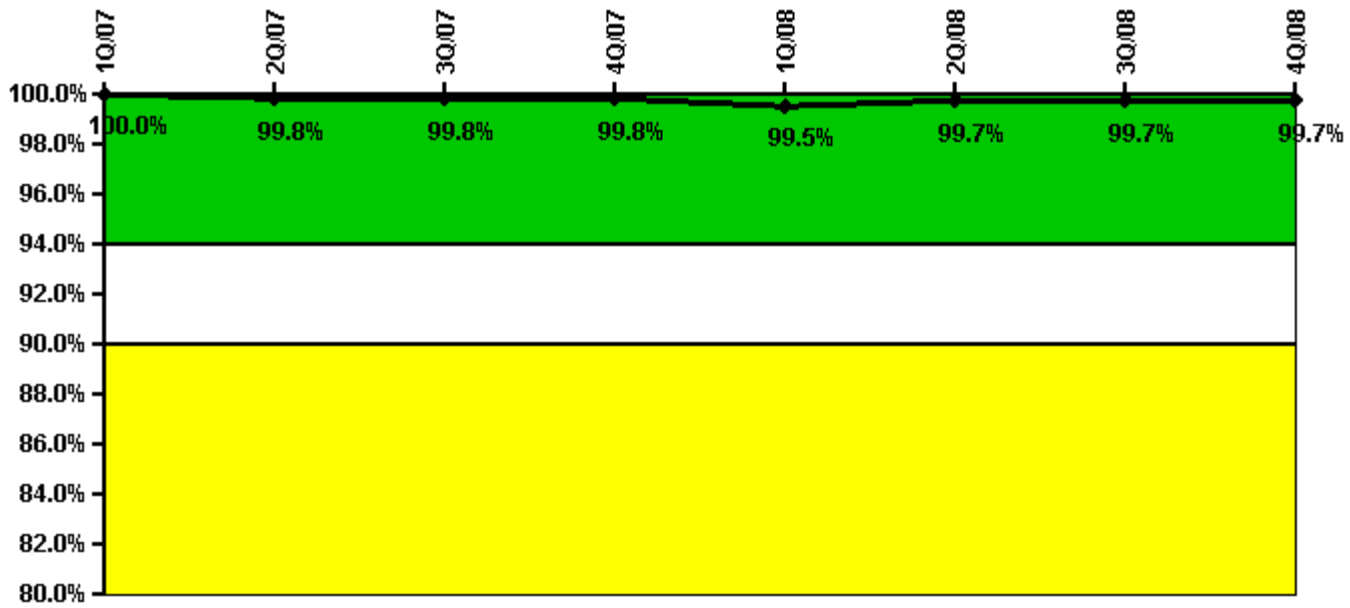
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	115.0	111.0	107.0	103.0	103.0	101.0	105.0	100.0
Total Key personnel	115.0	112.0	107.0	105.0	105.0	104.0	105.0	102.0
Indicator value	100.0%	99.1%	100.0%	98.1%	98.1%	97.1%	100.0%	98.0%

Licensee Comments: none

Alert & Notification System



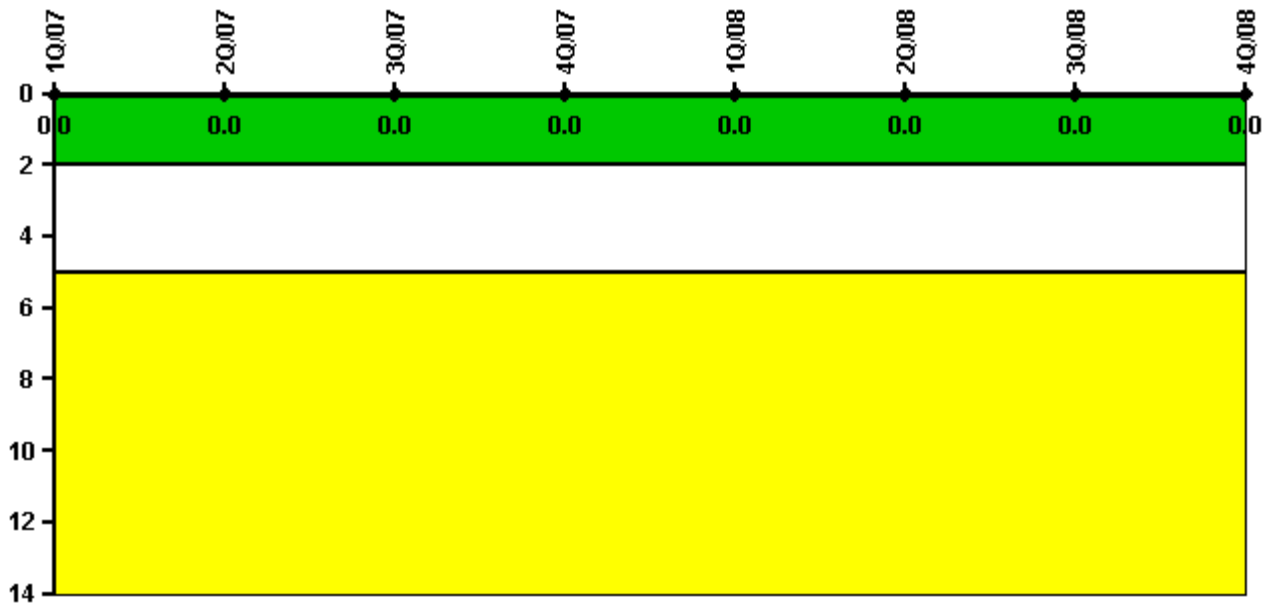
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	147	146	147	147	145	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	100.0%	99.8%	99.8%	99.8%	99.5%	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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
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	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
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.