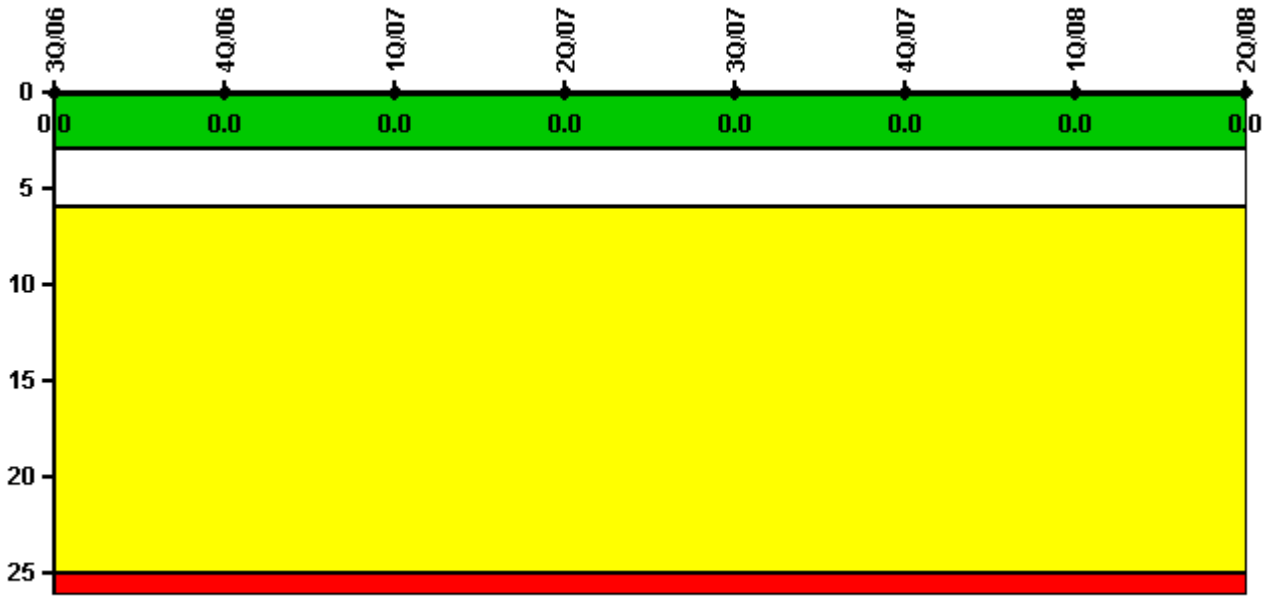


Arkansas Nuclear 2

2Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



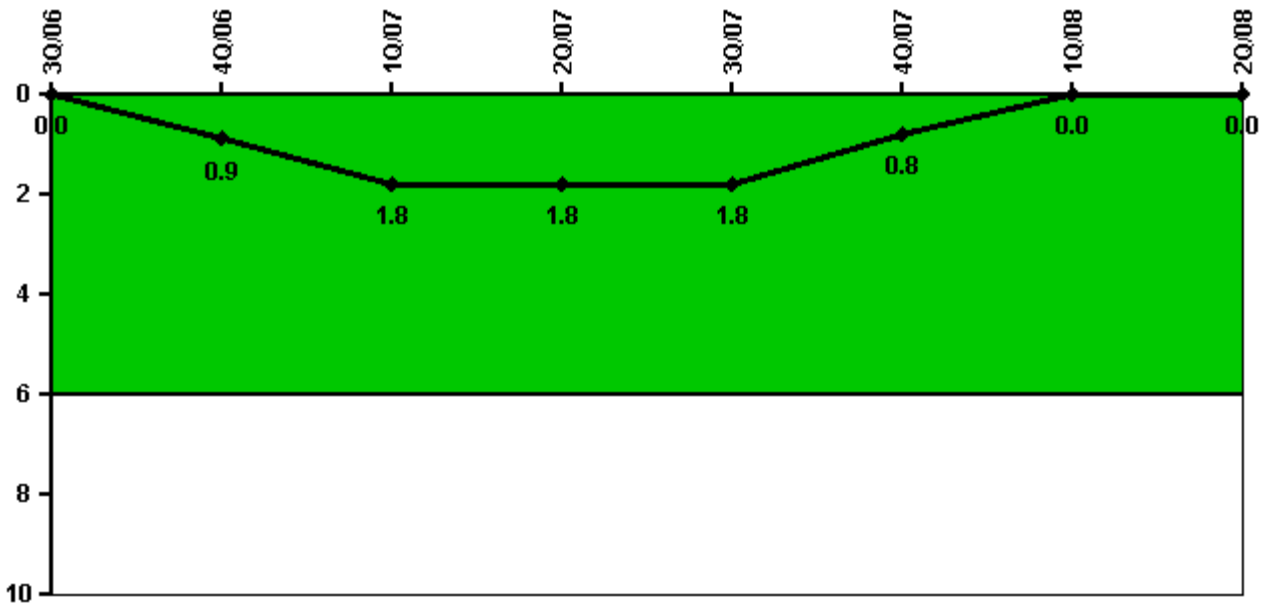
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1942.1	1535.2	1991.5	2184.0	2208.0	2209.0	1807.9	1953.3
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	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	1.0	1.0	0	0	0	0	0
Critical hours	1942.1	1535.2	1991.5	2184.0	2208.0	2209.0	1807.9	1953.3
Indicator value	0	0.9	1.8	1.8	1.8	0.8	0	0

Licensee Comments: none

Unplanned Scrams with Complications



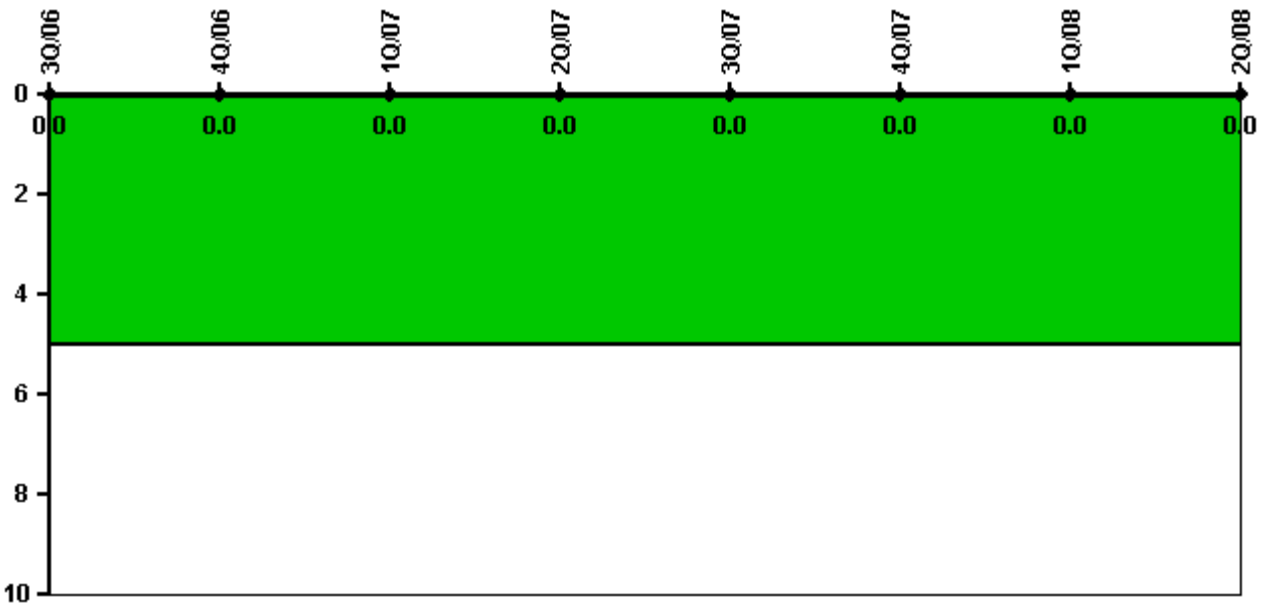
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Scrams with complications		0	0	0	0	0	0	0
Indicator value					0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



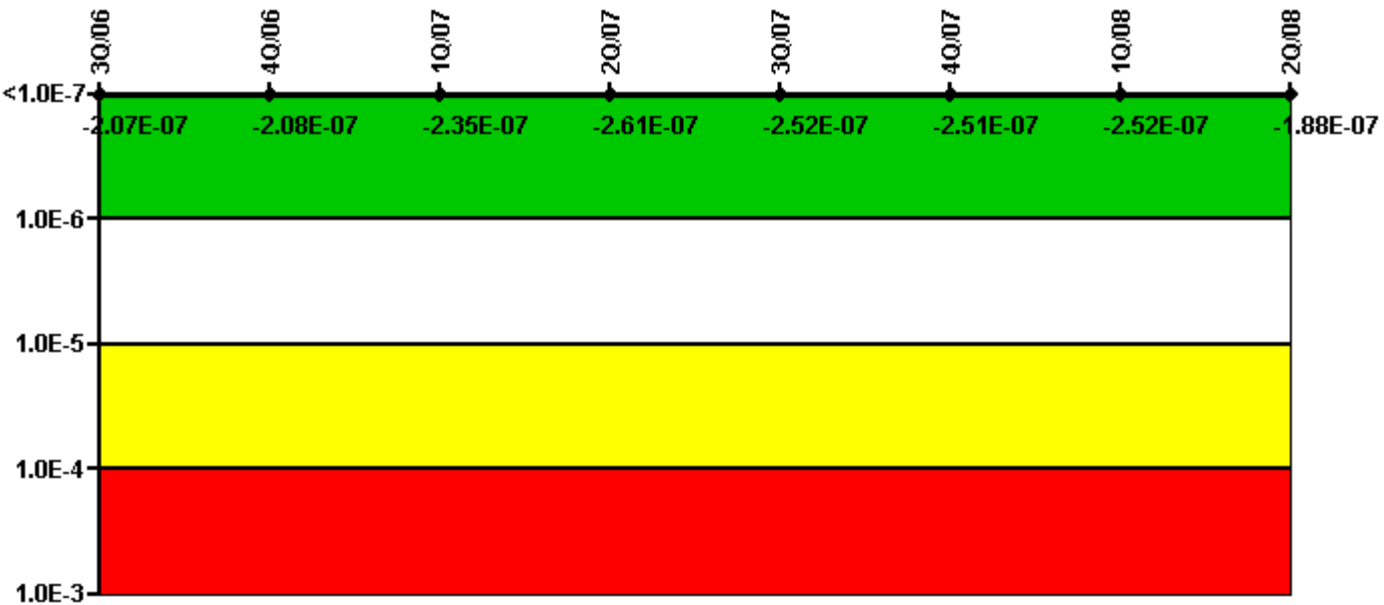
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/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



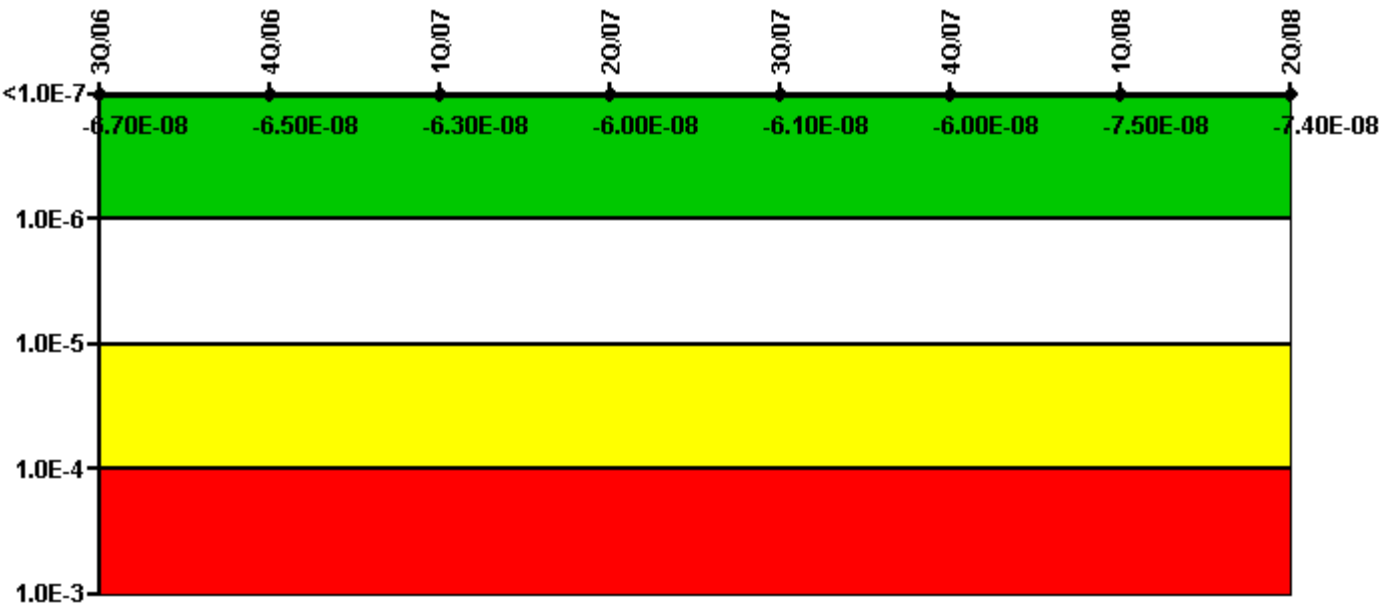
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	3.30E-08	3.20E-08	-1.50E-08	-2.10E-08	-2.20E-08	-2.10E-08	-2.20E-08	3.20E-08
URI (ΔCDF)	-2.40E-07	-2.40E-07	-2.20E-07	-2.40E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.07E-07	-2.08E-07	-2.35E-07	-2.61E-07	-2.52E-07	-2.51E-07	-2.52E-07	-1.88E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



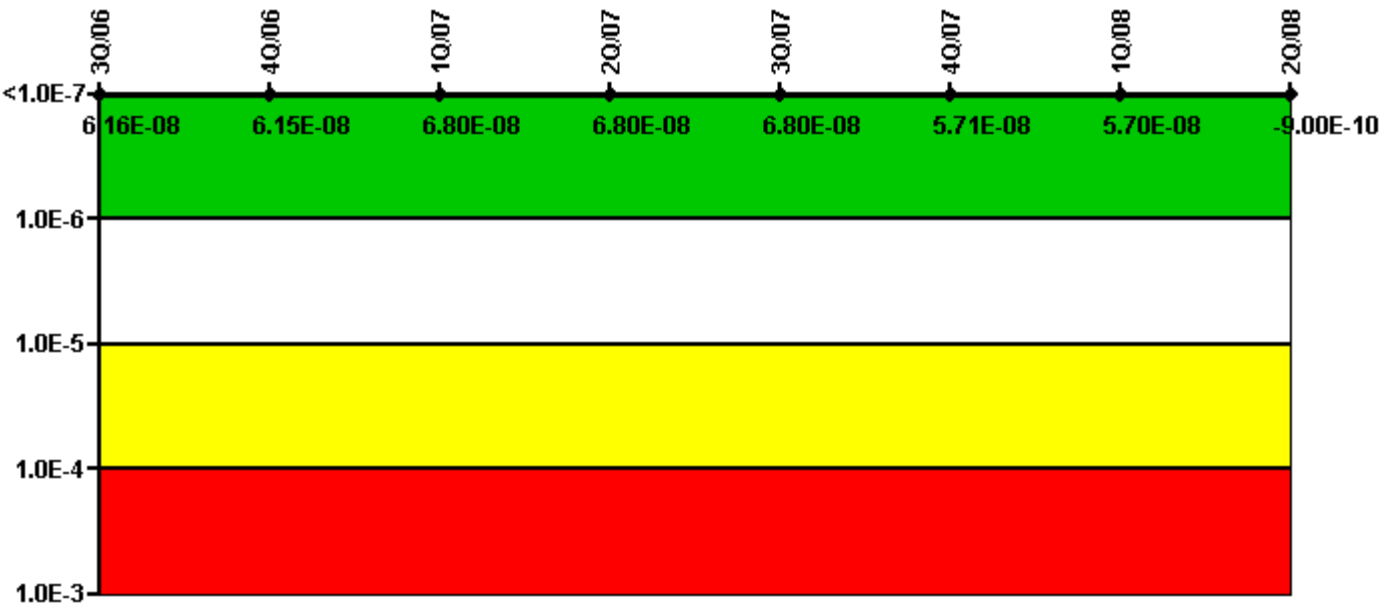
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-1.10E-08	-1.10E-08	-1.00E-08	-1.00E-08	-1.10E-08	-1.10E-08	-2.50E-08	-2.50E-08
URI (Δ CDF)	-5.60E-08	-5.40E-08	-5.30E-08	-5.00E-08	-5.00E-08	-4.90E-08	-5.00E-08	-4.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.70E-08	-6.50E-08	-6.30E-08	-6.00E-08	-6.10E-08	-6.00E-08	-7.50E-08	-7.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



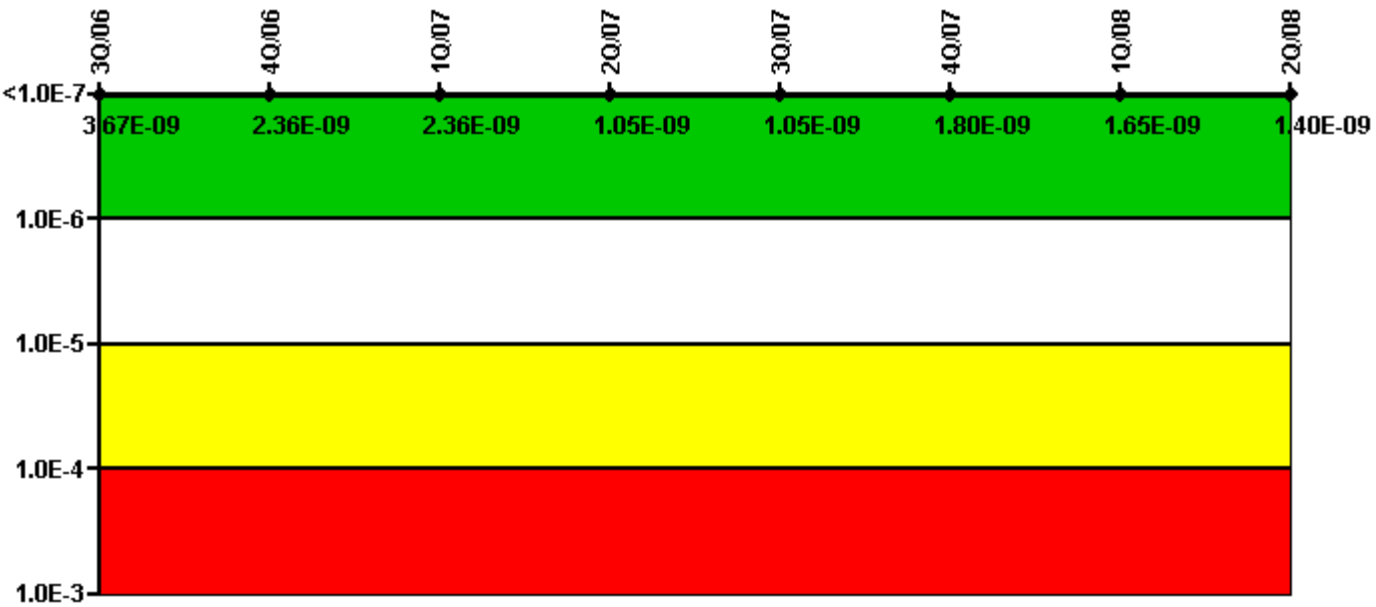
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	6.60E-09	6.50E-09	1.30E-08	1.30E-08	1.20E-08	1.10E-09	1.00E-09	-1.00E-08
URI (Δ CDF)	5.50E-08	5.50E-08	5.50E-08	5.50E-08	5.60E-08	5.60E-08	5.60E-08	9.10E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.16E-08	6.15E-08	6.80E-08	6.80E-08	6.80E-08	5.71E-08	5.70E-08	-9.00E-10

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



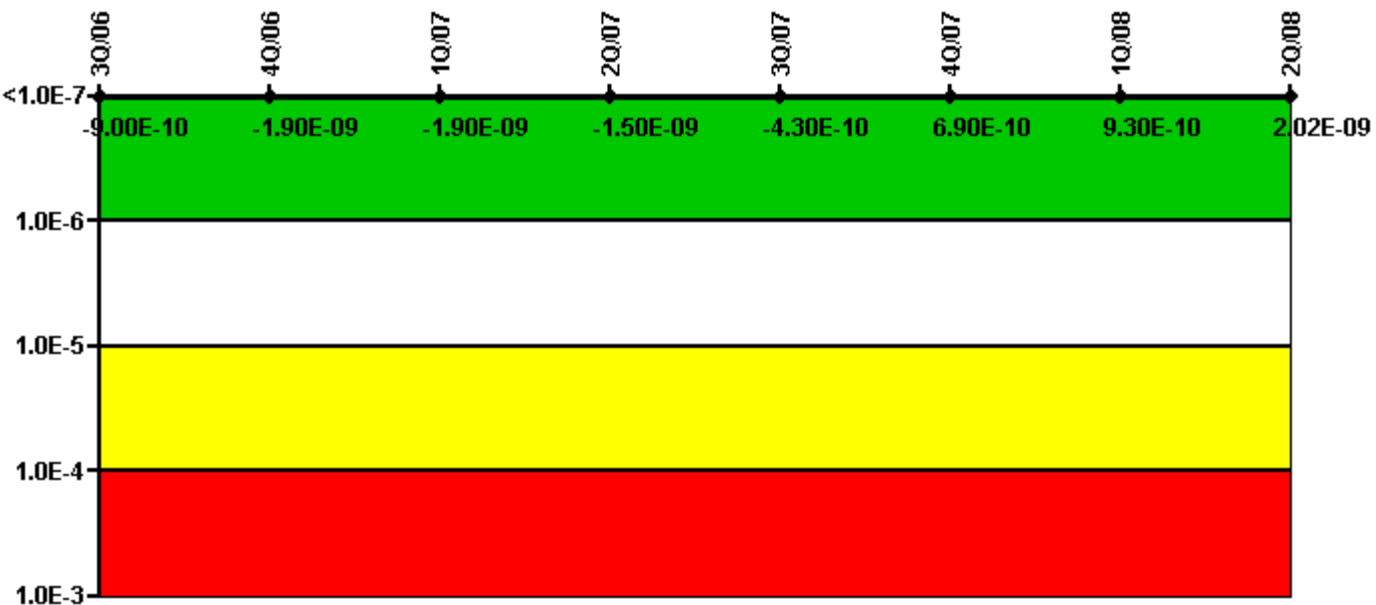
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-1.30E-10	-1.40E-10	-1.40E-10	-1.50E-10	-1.50E-10	6.00E-10	4.50E-10	2.00E-10
URI (Δ CDF)	3.80E-09	2.50E-09	2.50E-09	1.20E-09	1.20E-09	1.20E-09	1.20E-09	1.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.67E-09	2.36E-09	2.36E-09	1.05E-09	1.05E-09	1.80E-09	1.65E-09	1.40E-09

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

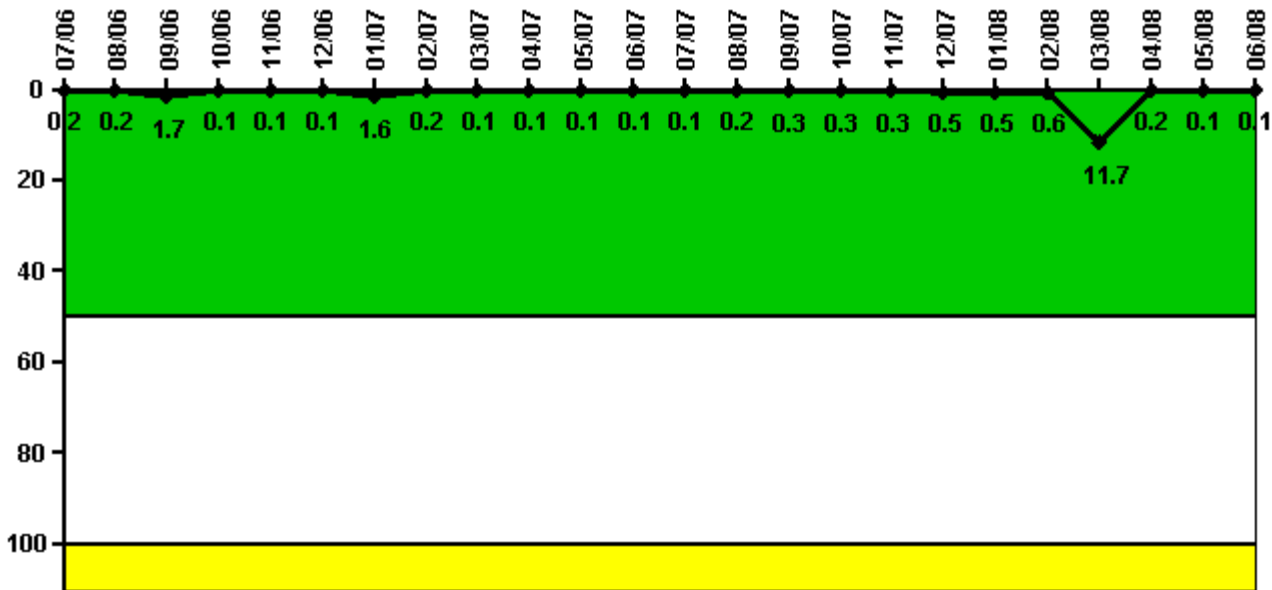
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-10	1.20E-10	1.20E-10
URI (Δ CDF)	-9.00E-10	-1.90E-09	-1.90E-09	-1.50E-09	-4.30E-10	5.70E-10	8.10E-10	1.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.00E-10	-1.90E-09	-1.90E-09	-1.50E-09	-4.30E-10	6.90E-10	9.30E-10	2.02E-09

Licensee Comments:

2Q/08: In July 2008, it was discovered that Consolidated Data Entry (CDE) failure #806 for ANO-2 (which occurred in November 2005) should have been flagged as a Cooling Water System MSPI failure. Effective as of the 2nd quarter 2008 submittal, failure record #806 was changed to reflect a valve demand failure for Service Water Sluice Gate 2CV-1471-1. This did not result in any color change in the ANO-2 Cooling Water System Mitigating System Performance Indicator.

Reactor Coolant System Activity



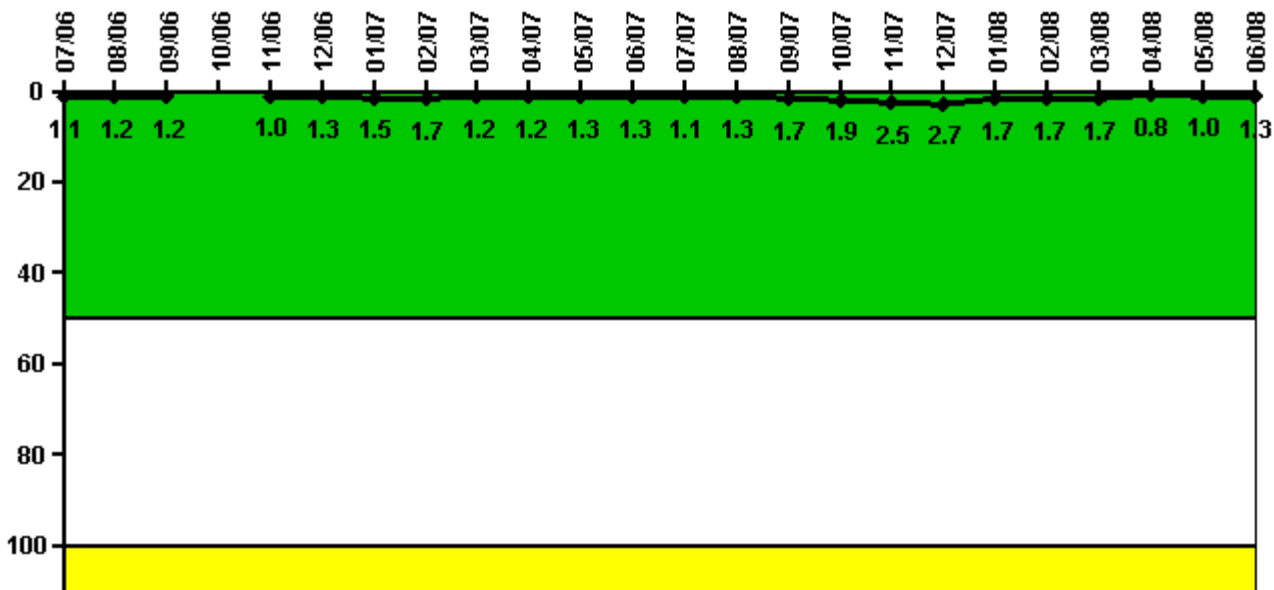
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.001650	0.002210	0.017400	0.000646	0.000899	0.000652	0.015500	0.002430	0.000838	0.000825	0.000879	0.001070
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	0.2	0.2	1.7	0.1	0.1	0.1	1.6	0.2	0.1	0.1	0.1	0.1
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	0.001280	0.001620	0.002750	0.003240	0.003400	0.005420	0.005270	0.005540	0.117000	0.001850	0.000594	0.000644
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	0.1	0.2	0.3	0.3	0.3	0.5	0.5	0.6	11.7	0.2	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

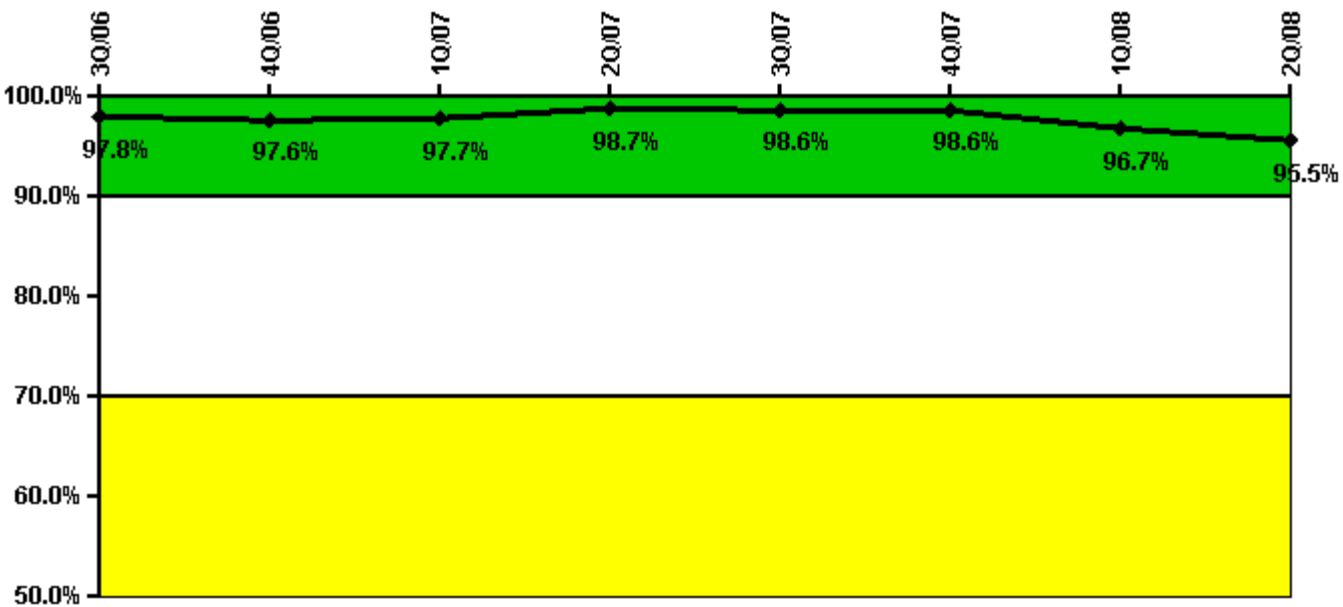
Notes

Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	0.111	0.121	0.124	N/A	0.104	0.134	0.149	0.165	0.123	0.120	0.133	0.132
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	1.1	1.2	1.2	N/A	1.0	1.3	1.5	1.7	1.2	1.2	1.3	1.3
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	0.114	0.131	0.167	0.185	0.251	0.268	0.172	0.169	0.166	0.084	0.101	0.128
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	1.1	1.3	1.7	1.9	2.5	2.7	1.7	1.7	1.7	0.8	1.0	1.3

Licensee Comments:

6/08: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



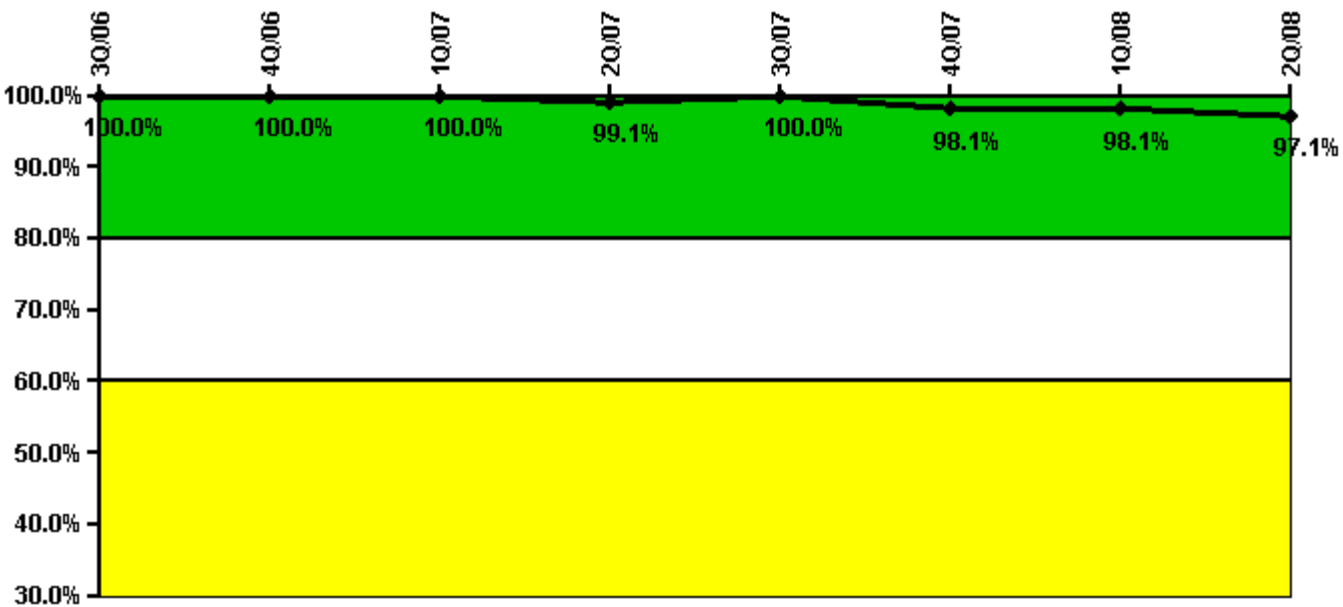
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	10.0	17.0	7.0	23.0	21.0	4.0	11.0	34.0
Total opportunities	10.0	17.0	7.0	23.0	22.0	4.0	14.0	36.0
Indicator value	97.8%	97.6%	97.7%	98.7%	98.6%	98.6%	96.7%	95.5%

Licensee Comments: none

ERO Drill Participation



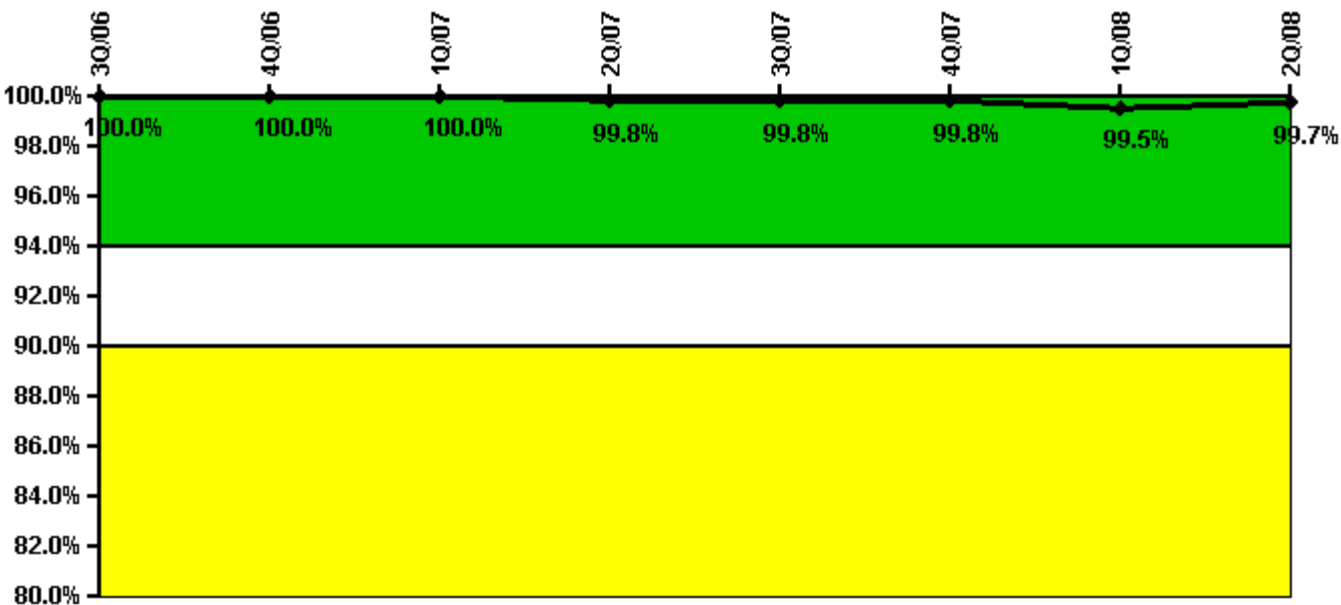
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	118.0	121.0	115.0	111.0	107.0	103.0	103.0	101.0
Total Key personnel	118.0	121.0	115.0	112.0	107.0	105.0	105.0	104.0
Indicator value	100.0%	100.0%	100.0%	99.1%	100.0%	98.1%	98.1%	97.1%

Licensee Comments: none

Alert & Notification System



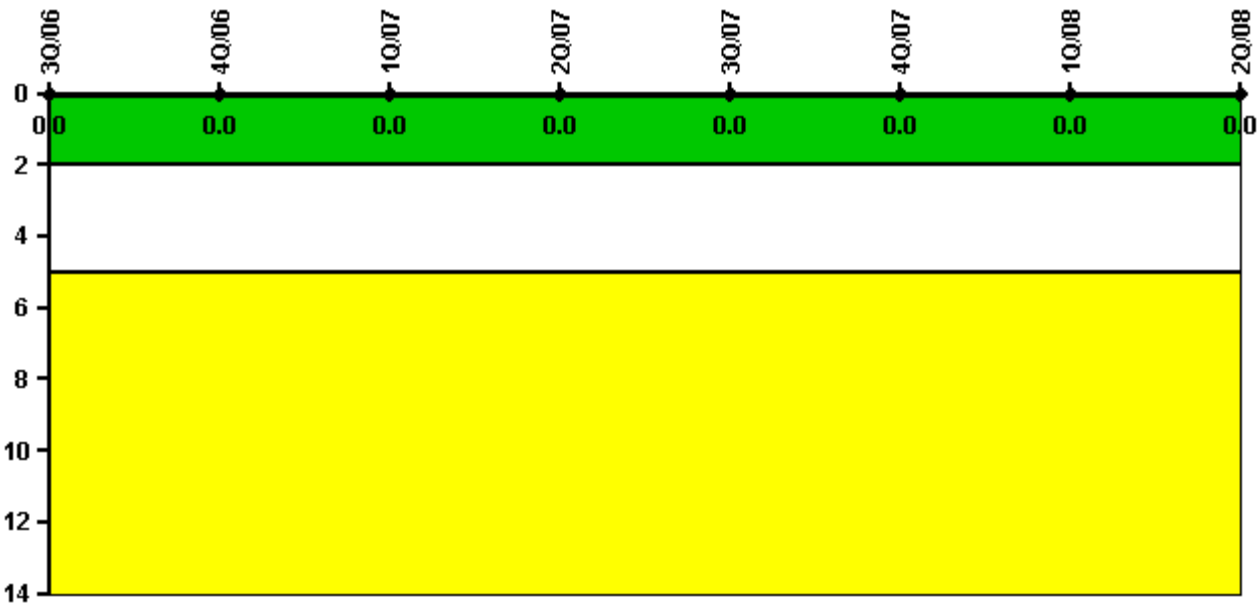
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	147	147	147	146	147	147	145	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	100.0%	100.0%	100.0%	99.8%	99.8%	99.8%	99.5%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/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	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/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

[Physical Protection](#) information not publicly available.