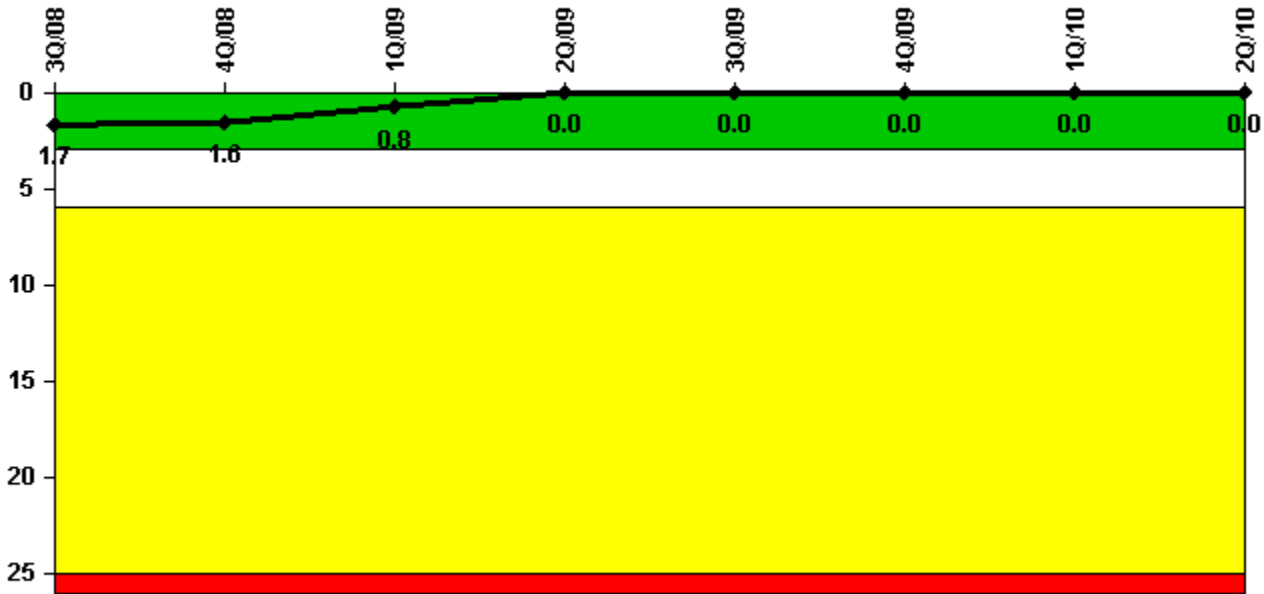


Palisades

2Q/2010 Performance Indicators

Licensee's General Comments: No MSPI Failures occurred in June of 2008. This is a revision to the original validation package. During unavailability reviews it was determined that unavailability was not recorded for RE-137, "CALIBRATION OF BUS 1C UNDERVOLTAGE AND TIME DELAY RELAYS", performed on 6/2/2008 and RE-138, "CALIBRATION OF BUS 10 UNDERVOLTAGE AND TIME DELAY RELAYS", performed on 6/16/2008 (CR-PLP-2010-01612). The monthly MSPI number changed as a result of changing EPIX failure report #446 to "MSPI Failure No" in September 2008 and was not changed by the additional unavailability reported in this revision.

Unplanned Scrams per 7000 Critical Hrs



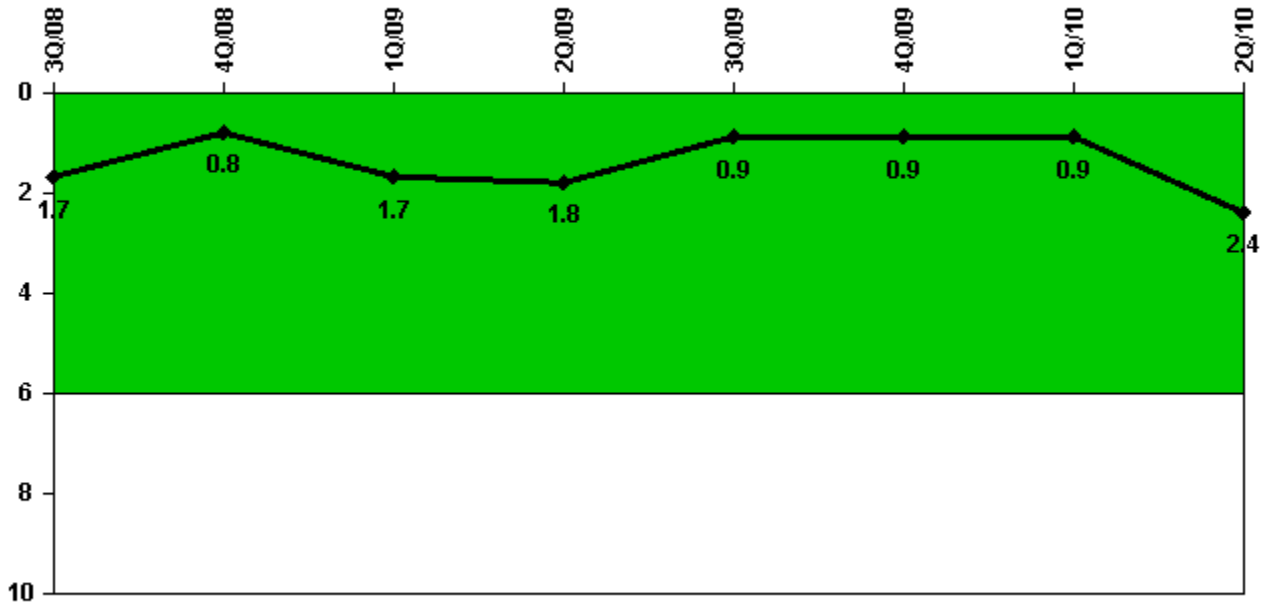
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2113.1	2209.0	1853.5	1522.5	2208.0	2209.0	2159.0	2031.9
Indicator value	1.7	1.6	0.8	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/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	1.0	0	1.0	0	0	0	1.0	2.0
Critical hours	2113.1	2209.0	1853.5	1522.5	2208.0	2209.0	2159.0	2031.9
Indicator value	1.7	0.8	1.7	1.8	0.9	0.9	0.9	2.4

Licensee Comments: none

Unplanned Scrams with Complications



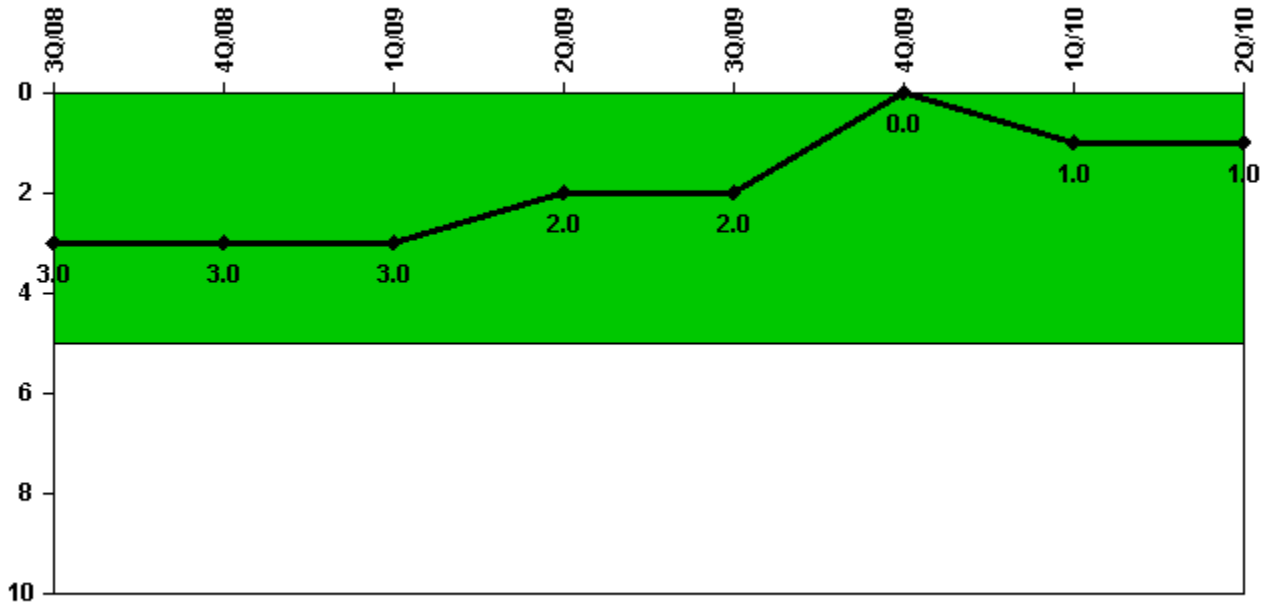
Thresholds: White > 1.0

Notes

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



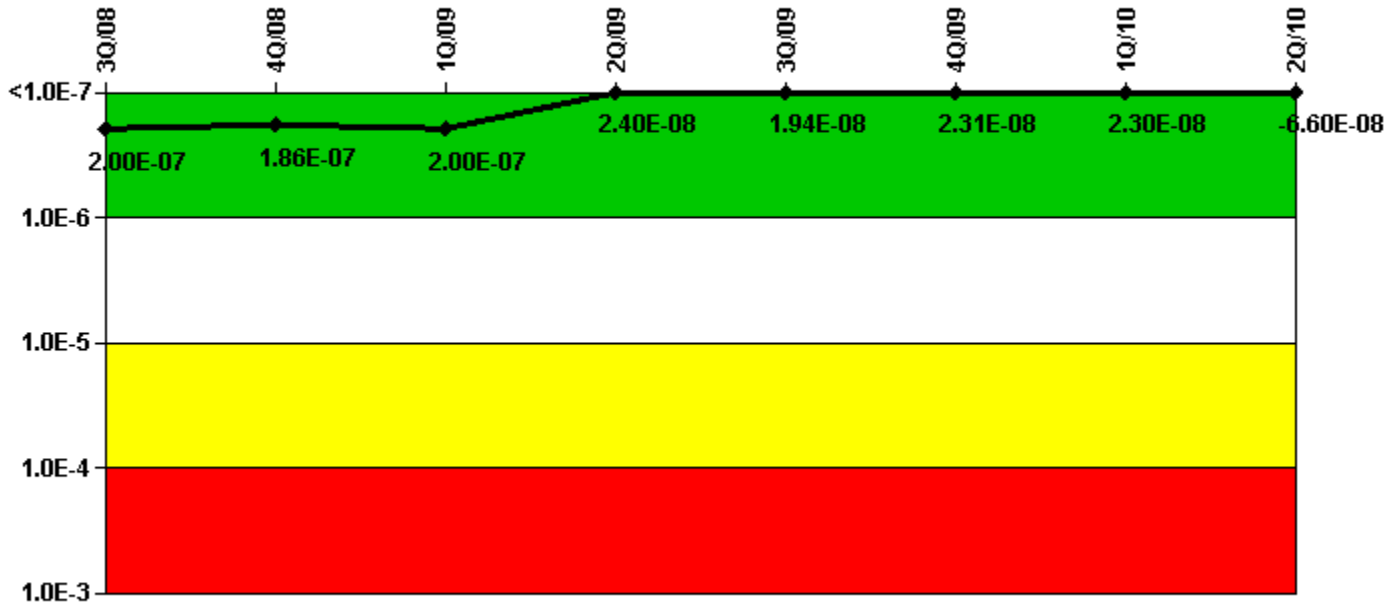
Thresholds: White > 5.0

Notes

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

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/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	4.83E-08	3.60E-08	4.38E-08	3.09E-08	2.60E-08	2.90E-08	2.82E-08	-2.35E-08
URI (ΔCDF)	1.53E-07	1.50E-07	1.54E-07	-7.19E-09	-6.60E-09	-5.90E-09	-5.21E-09	-4.25E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.00E-07	1.86E-07	2.00E-07	2.40E-08	1.94E-08	2.31E-08	2.30E-08	-6.60E-08

Licensee Comments:

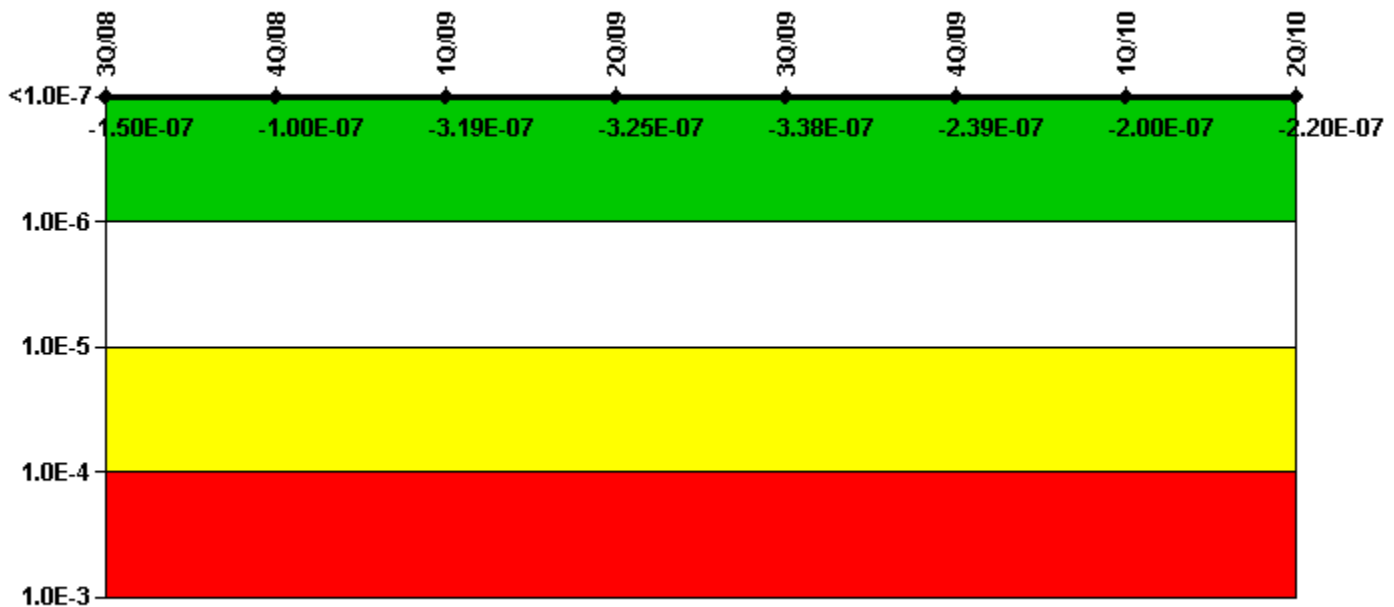
2Q/10: This submittal includes revision to June 2008 planned unavailability hours for Trains "K-6AG" and "K-6BG". The change was a small increase in hours and had no impact on the indicator color. (Reference CR-PLP-2010-01612).

2Q/09: Emergency AC Power results improved due to June 2006 failure rolling off of 36-month calculation.

3Q/08: Reevaluation of September 2007 Emergency Diesel Generator 1-1 (K-6AG) fuel oil leak concluded event was not an MSPI Failure. This submittal includes revision of the 9/17/2007 event to No MSPI Failure. The change had a small impact on the MSPI result and no impact on the indicator color. (Reference CR-PLP-2007-04078). Reassessment of February 2008 Emergency Diesel Generator 1-2 (K-6BG) cylinder spring lock condition concluded the event was a Maintenance Rule Failure. This submittal includes addition of the 2/19/2008 event to CDE for EPIX reporting with the event classified No MSPI Failure due to mission time differences. The change had no impact on the indicator color. (Reference CR-PLP-2008-00822).

2Q/08: 7/20/2010 This submittal includes revision to June 2008 planned unavailability hours for Trains "K-6AG" and "K-6BG". The change was a small increase in hours and had no impact on the indicator color. (Reference CR-PLP-2010-01612). Reevaluation of September 2007 MSPI Failure for EDG 1-1 fuel oil leak is being reviewed. (Reference CR-PLP-2007-04078).

Mitigating Systems Performance Index, High Pressure Injection System



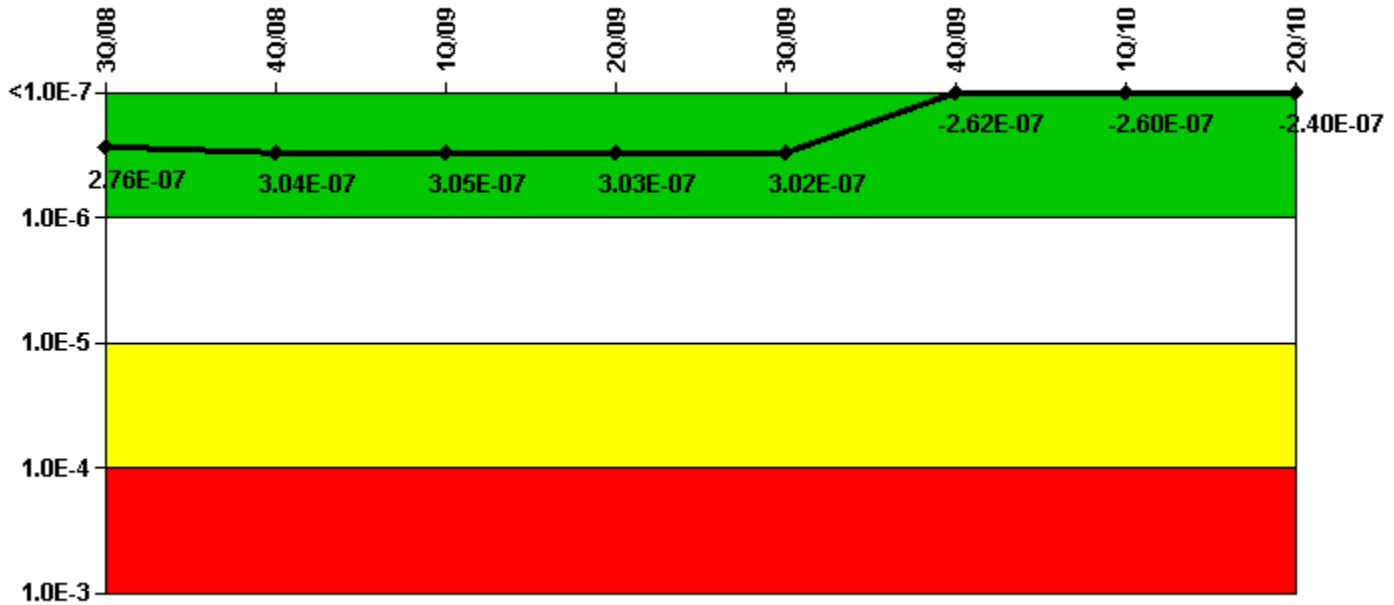
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	1.20E-07	1.70E-07	-4.90E-08	-5.50E-08	-6.80E-08	3.10E-08	6.09E-08	4.11E-08
URI (Δ CDF)	-2.70E-07	-2.70E-07	-2.70E-07	-2.70E-07	-2.70E-07	-2.70E-07	-2.65E-07	-2.65E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-07	-1.00E-07	-3.19E-07	-3.25E-07	-3.38E-07	-2.39E-07	-2.00E-07	-2.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

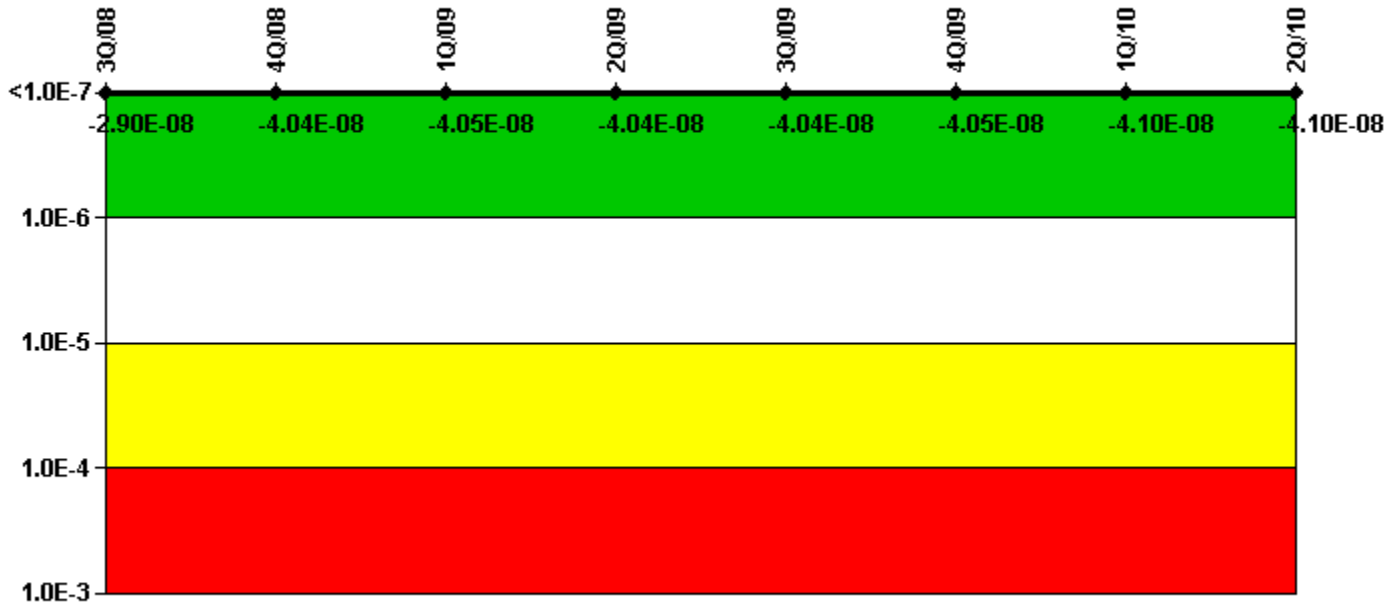
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-3.60E-09	2.40E-08	2.50E-08	2.30E-08	2.20E-08	1.80E-08	2.03E-08	3.36E-08
URI (Δ CDF)	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	-2.80E-07	-2.77E-07	-2.77E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.76E-07	3.04E-07	3.05E-07	3.03E-07	3.02E-07	-2.62E-07	-2.60E-07	-2.40E-07

Licensee Comments:

2Q/10: Evaluation is pending on Auxiliary Feedwater Pump P-8A motor degradation identified in June 2010. (Reference CR-PLP-2010-02367)

Mitigating Systems Performance Index, Residual Heat Removal System



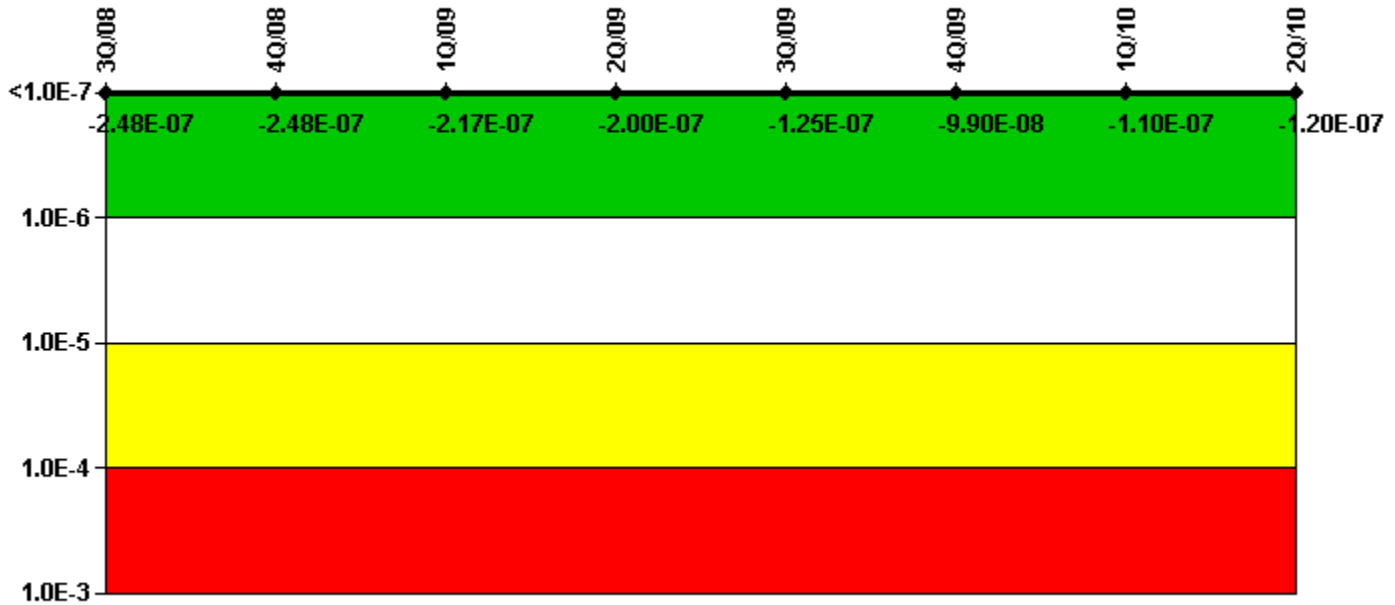
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	1.10E-08	-3.90E-10	-4.80E-10	-3.60E-10	-4.10E-10	-4.80E-10	-3.39E-10	-3.02E-10
URI (Δ CDF)	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.04E-08	-4.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-08	-4.04E-08	-4.05E-08	-4.04E-08	-4.04E-08	-4.05E-08	-4.10E-08	-4.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



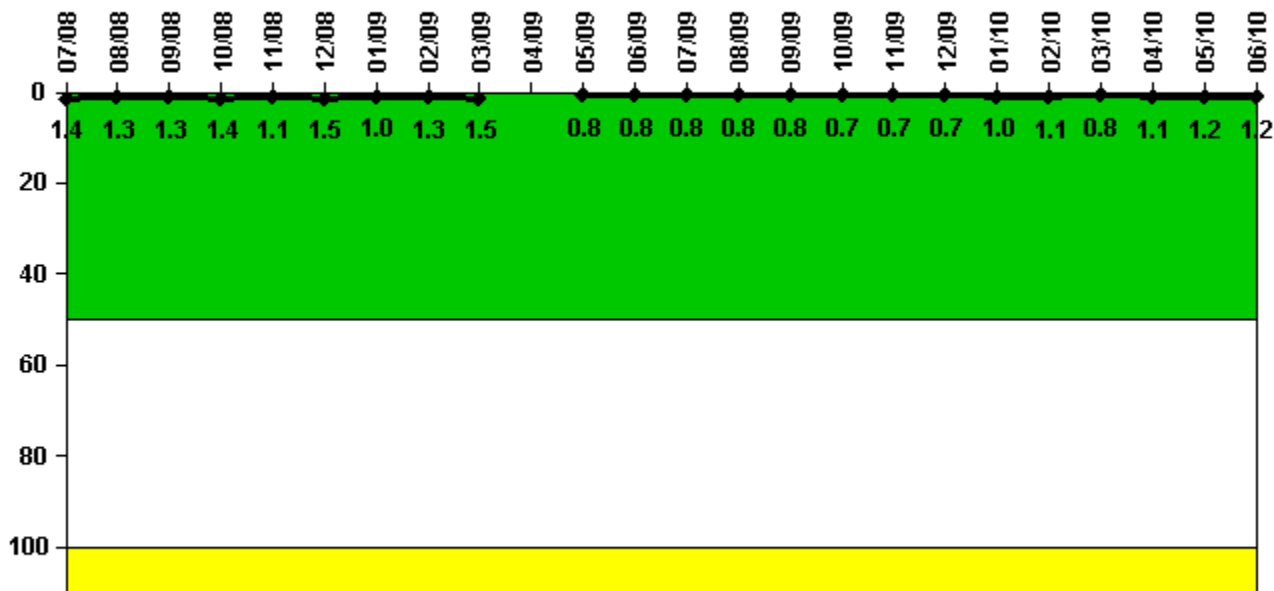
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-2.80E-08	-2.80E-08	1.30E-08	3.00E-08	5.50E-08	8.10E-08	7.05E-08	6.84E-08
URI (Δ CDF)	-2.20E-07	-2.20E-07	-2.30E-07	-2.30E-07	-1.80E-07	-1.80E-07	-1.84E-07	-1.87E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.48E-07	-2.48E-07	-2.17E-07	-2.00E-07	-1.25E-07	-9.90E-08	-1.10E-07	-1.20E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

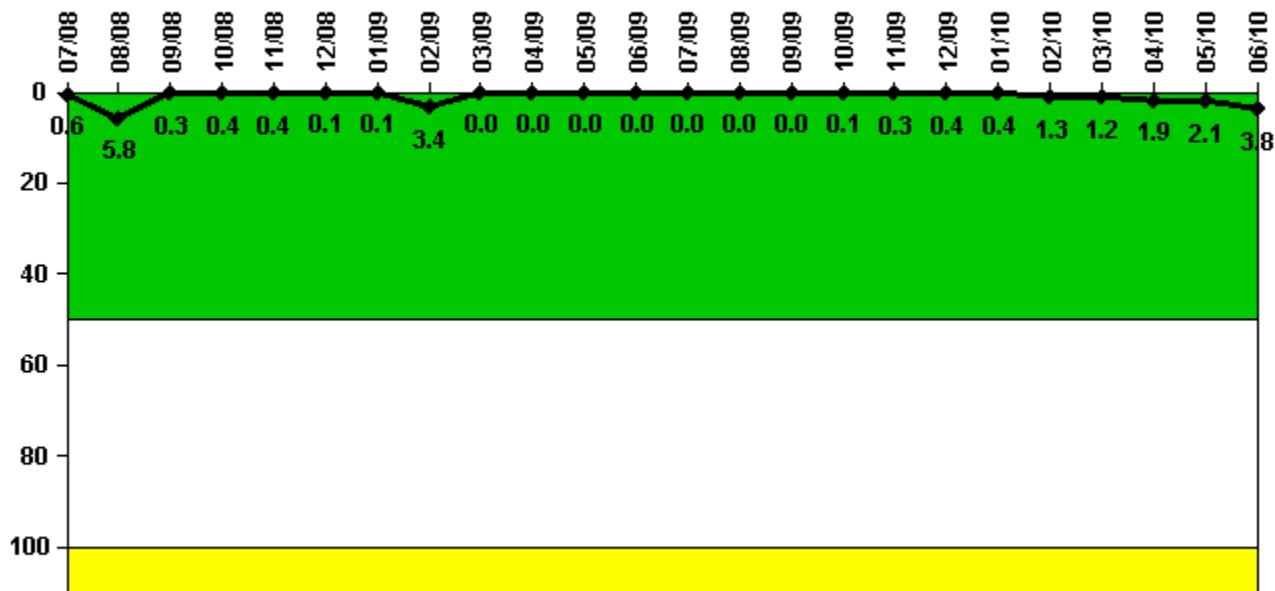
Notes

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	0.014000	0.013200	0.013200	0.013700	0.010800	0.014600	0.010400	0.013200	0.014800	N/A	0.007570	0.007680
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	1.4	1.3	1.3	1.4	1.1	1.5	1.0	1.3	1.5	N/A	0.8	0.8

Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.008310	0.008260	0.008190	0.007360	0.007120	0.007170	0.010300	0.011000	0.007520	0.010600	0.011600	0.012100
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	0.8	0.8	0.8	0.7	0.7	0.7	1.0	1.1	0.8	1.1	1.2	1.2

Licensee Comments: none

Reactor Coolant System Leakage



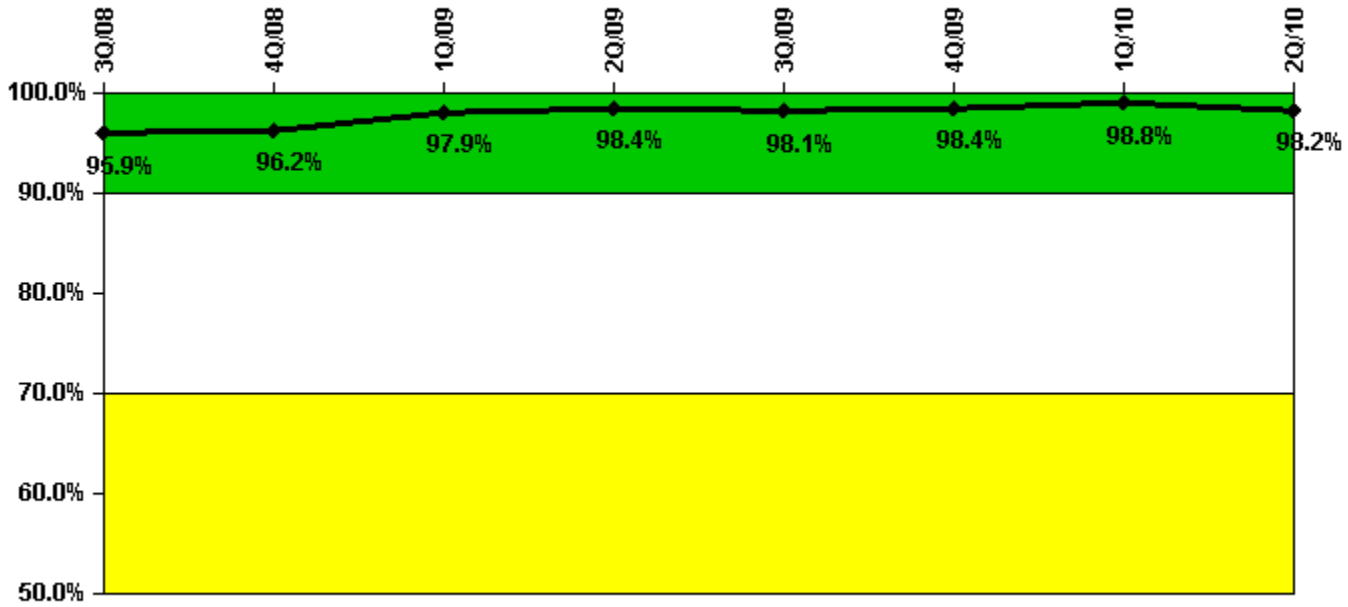
Thresholds: White > 50.0 Yellow > 100.0

Notes

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	0.055	0.576	0.029	0.040	0.040	0.007	0.013	0.341	0.001	0	0.003	0.003
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	0.6	5.8	0.3	0.4	0.4	0.1	0.1	3.4	0	0	0	0
Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	0.003	0.004	0.003	0.013	0.026	0.037	0.037	0.132	0.119	0.185	0.211	0.383
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	0	0	0	0.1	0.3	0.4	0.4	1.3	1.2	1.9	2.1	3.8

Licensee Comments: none

Drill/Exercise Performance



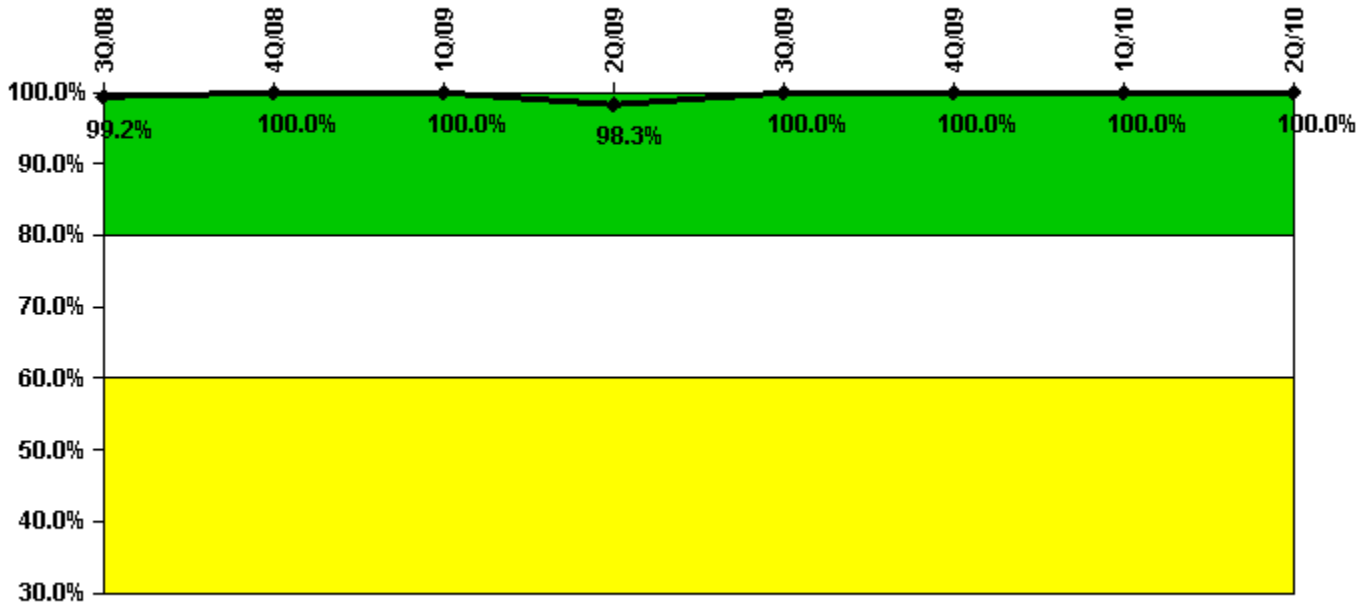
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	44.0	45.0	65.0	12.0	23.0	22.0	89.0	26.0
Total opportunities	44.0	46.0	66.0	12.0	24.0	22.0	90.0	28.0
Indicator value	95.9%	96.2%	97.9%	98.4%	98.1%	98.4%	98.8%	98.2%

Licensee Comments: none

ERO Drill Participation



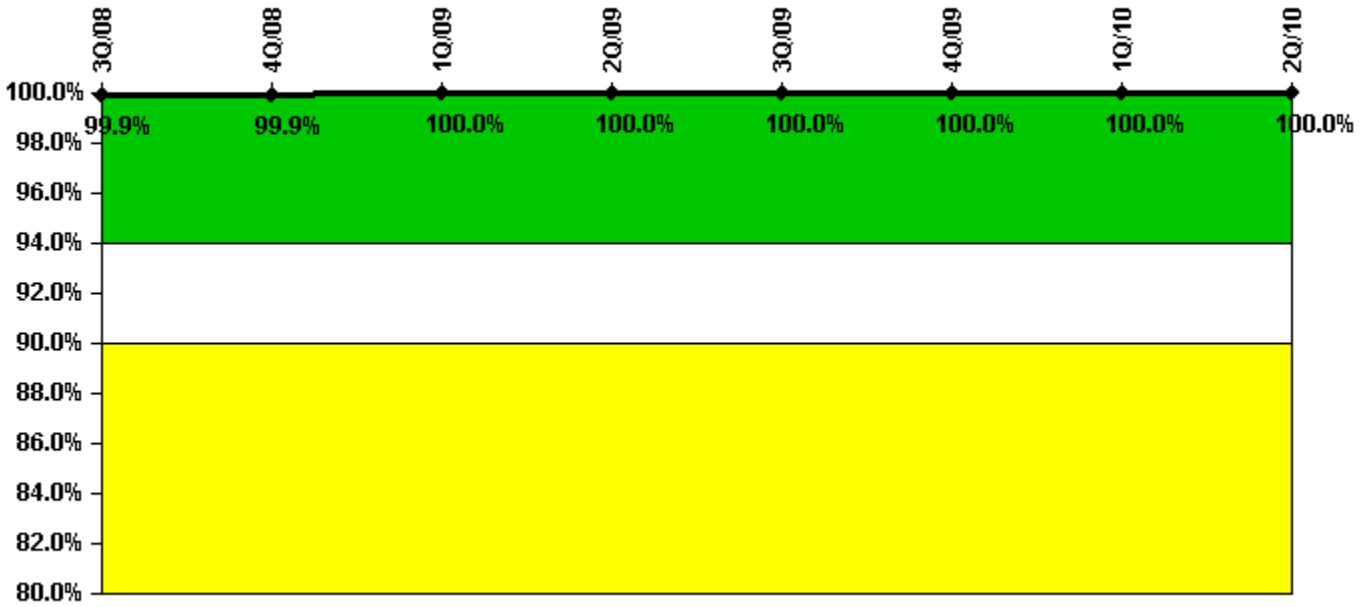
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	119.0	118.0	120.0	113.0	122.0	123.0	75.0	80.0
Total Key personnel	120.0	118.0	120.0	115.0	122.0	123.0	75.0	80.0
Indicator value	99.2%	100.0%	100.0%	98.3%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



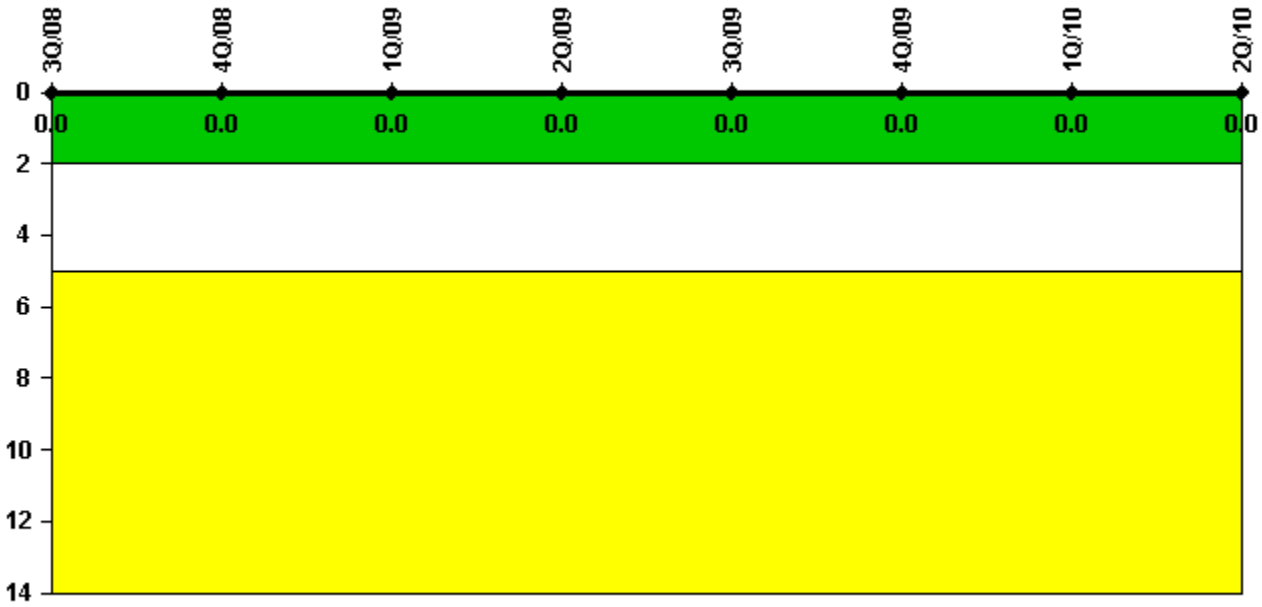
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	183	183	183	183	183	183	183	183
Total sirens-tests	183	183	183	183	183	183	183	183
Indicator value	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

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