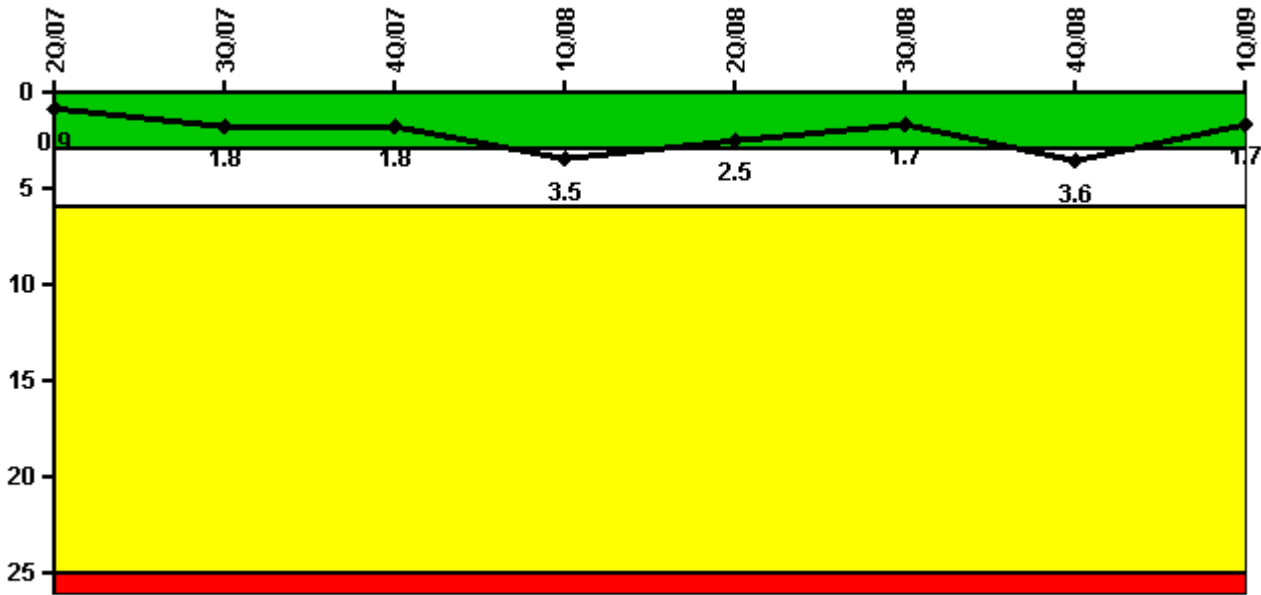


Grand Gulf 1

1Q/2009 Performance Indicators

Licensee's General Comments: MS06 and MS08 data base corrections are submitted for the periods 1st Quarter 2007 through 4th Quarter 2008. The performance indicator colors are not affected.

Unplanned Scrams per 7000 Critical Hrs



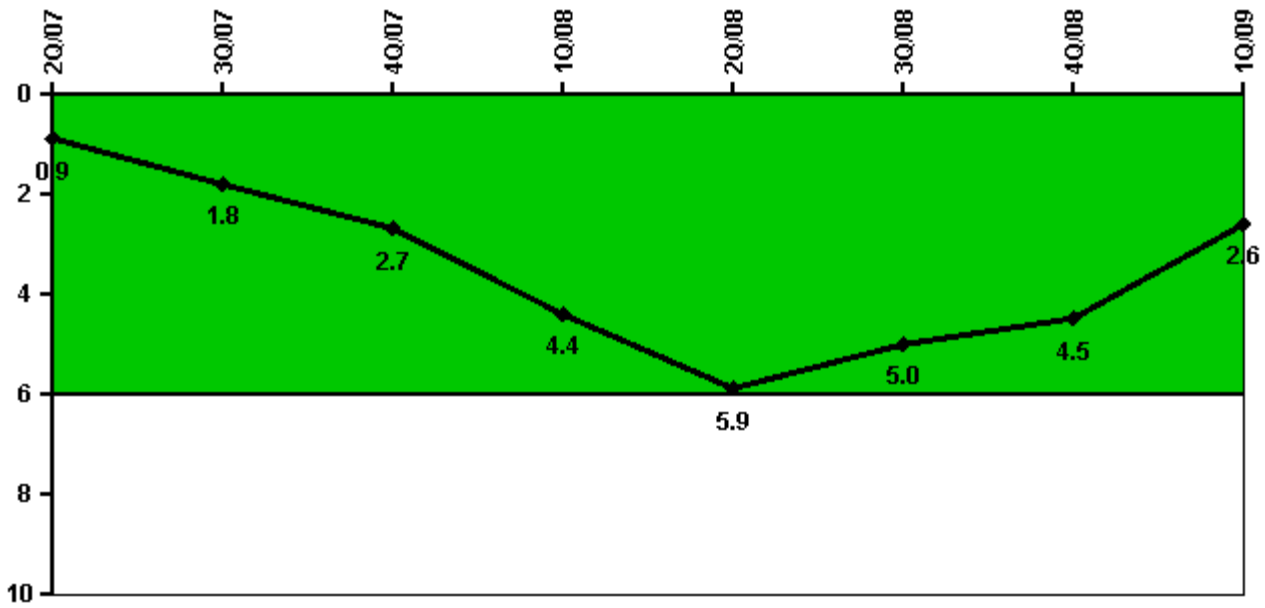
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	1.0	1.0	0	2.0	0	0	2.0	0
Critical hours	1817.7	1863.9	2209.0	2020.5	2184.0	1988.0	1671.7	2159.0
Indicator value	0.9	1.8	1.8	3.5	2.5	1.7	3.6	1.7

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	1.0	2.0	2.0	2.0	0	1.0	0
Critical hours	1817.7	1863.9	2209.0	2020.5	2184.0	1988.0	1671.7	2159.0
Indicator value	0.9	1.8	2.7	4.4	5.9	5.0	4.5	2.6

Licensee Comments: none

Unplanned Scrams with Complications



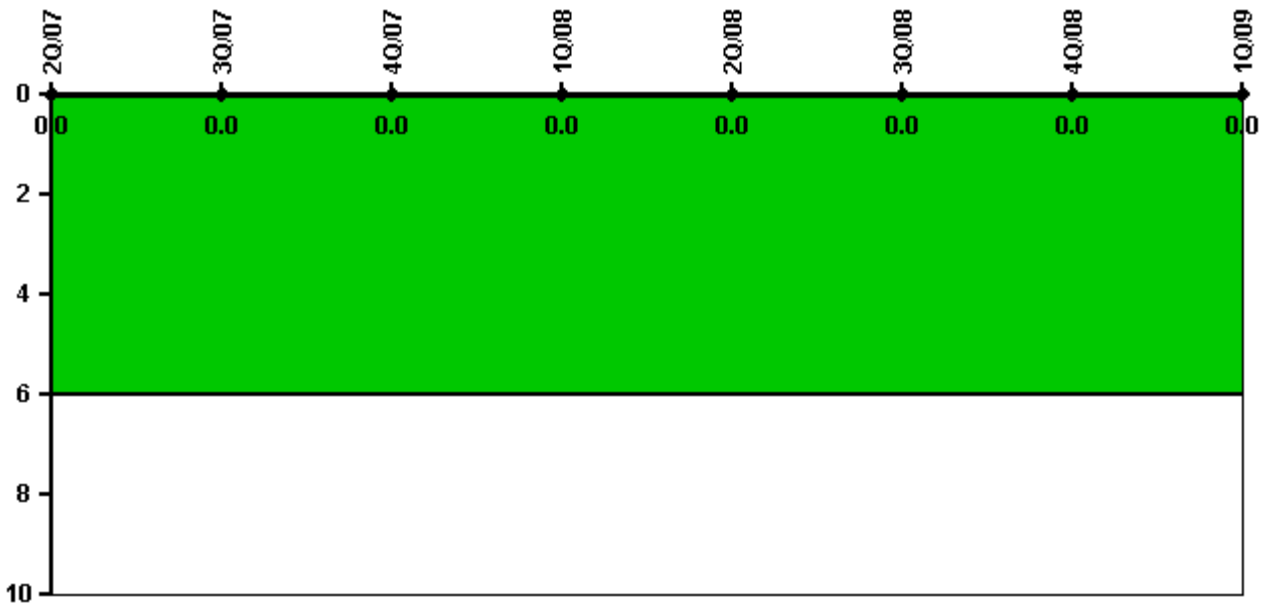
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
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

Licensee Comments: none

Safety System Functional Failures (BWR)



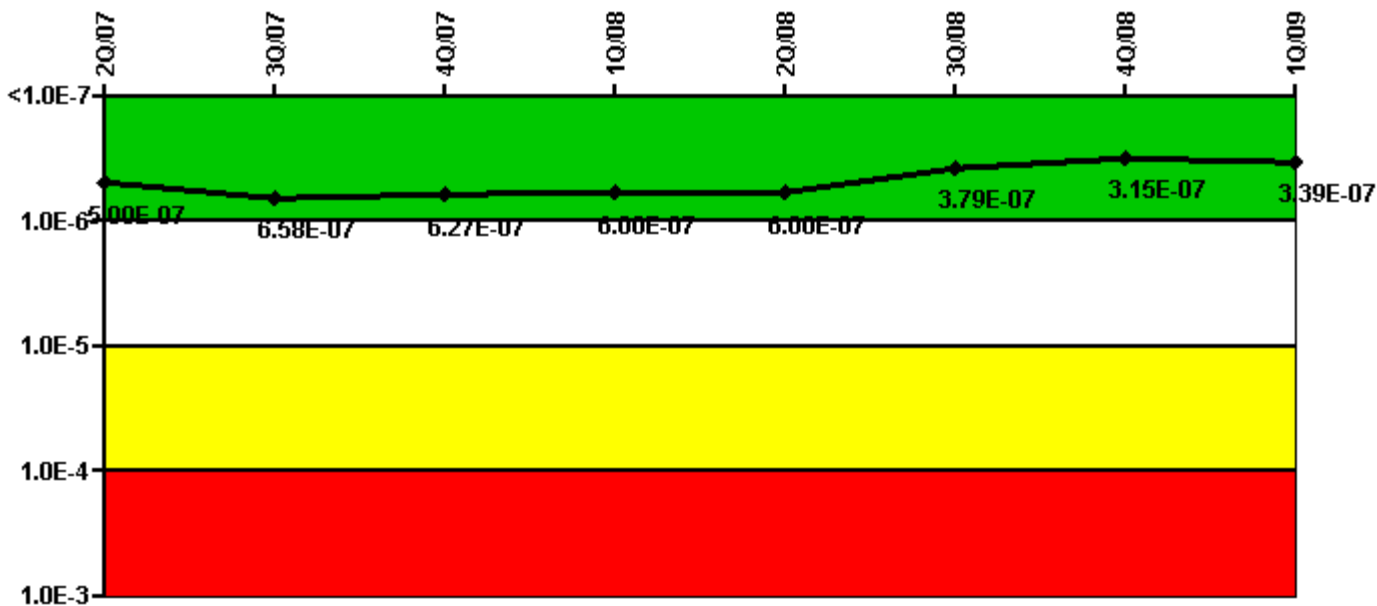
Thresholds: White > 6.0

Notes

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

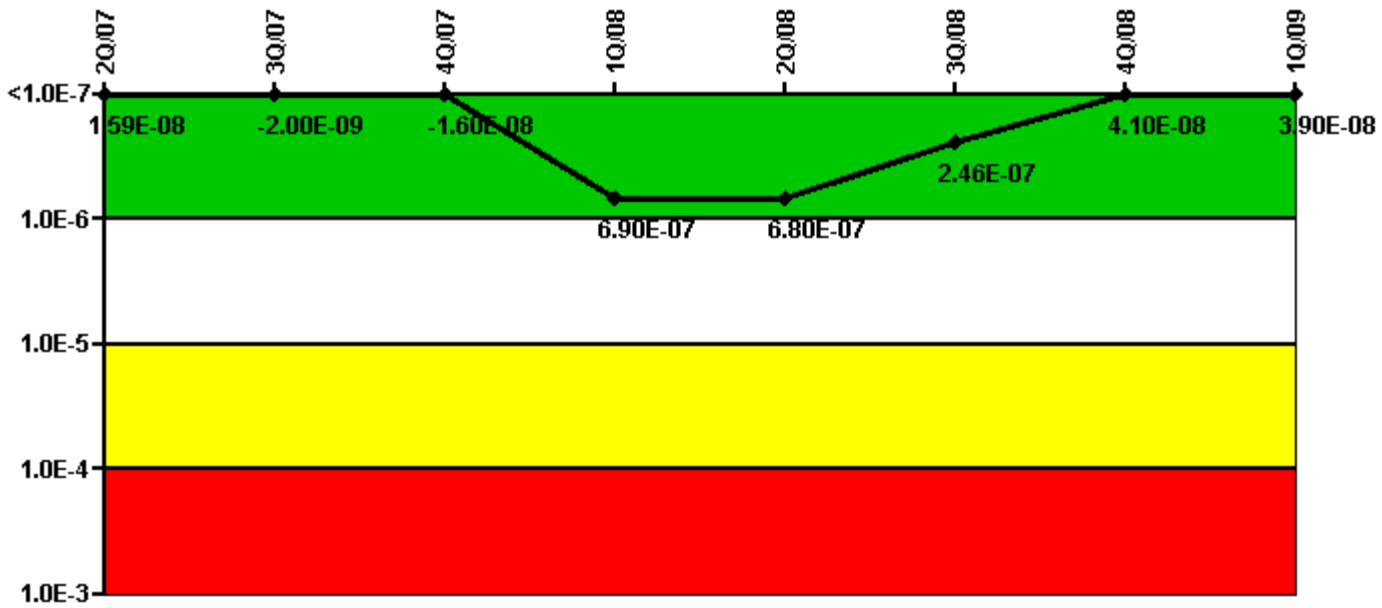
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	9.00E-08	9.80E-08	9.70E-08	6.00E-08	6.00E-08	2.90E-08	2.50E-08	3.90E-08
URI (Δ CDF)	4.10E-07	5.60E-07	5.30E-07	5.40E-07	5.40E-07	3.50E-07	2.90E-07	3.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.00E-07	6.58E-07	6.27E-07	6.00E-07	6.00E-07	3.79E-07	3.15E-07	3.39E-07

Licensee Comments:

3Q/08: Revision 3 of the GGNS PRA was issued on June 30, 2008. Revision 3 was a major update that included the update of plant specific data, initiator frequencies (both plant specific and generic), common cause analyses, human reliability analyses; the addition of several new initiators; and changes to the modeling of offsite power. The revision has resulted in a new overall core damage frequency, changes to the Fussell-Vesely importance of all of the MSPI related basic events and changes to the probability of many of the MSPI related basic events.

Mitigating Systems Performance Index, High Pressure Injection System



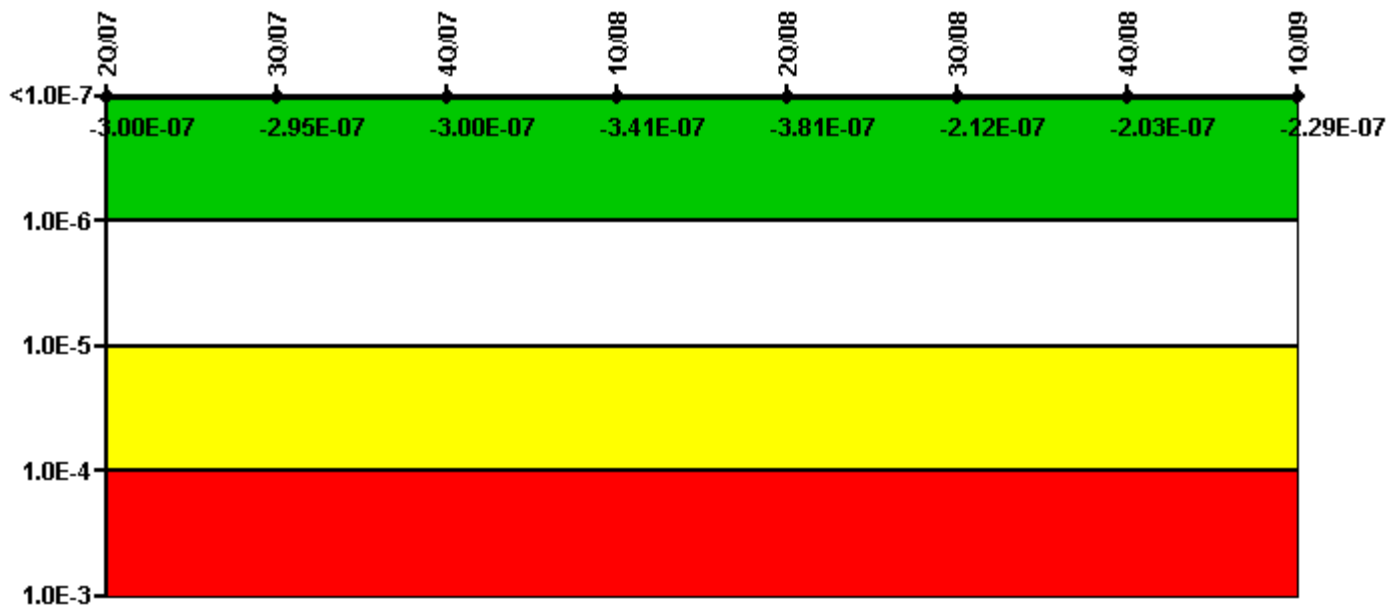
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	4.90E-09	-2.80E-08	-4.40E-08	4.90E-07	4.90E-07	1.80E-07	9.30E-08	9.10E-08
URI (ΔCDF)	1.10E-08	2.60E-08	2.80E-08	2.00E-07	1.90E-07	6.60E-08	-5.20E-08	-5.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.59E-08	-2.00E-09	-1.60E-08	6.90E-07	6.80E-07	2.46E-07	4.10E-08	3.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

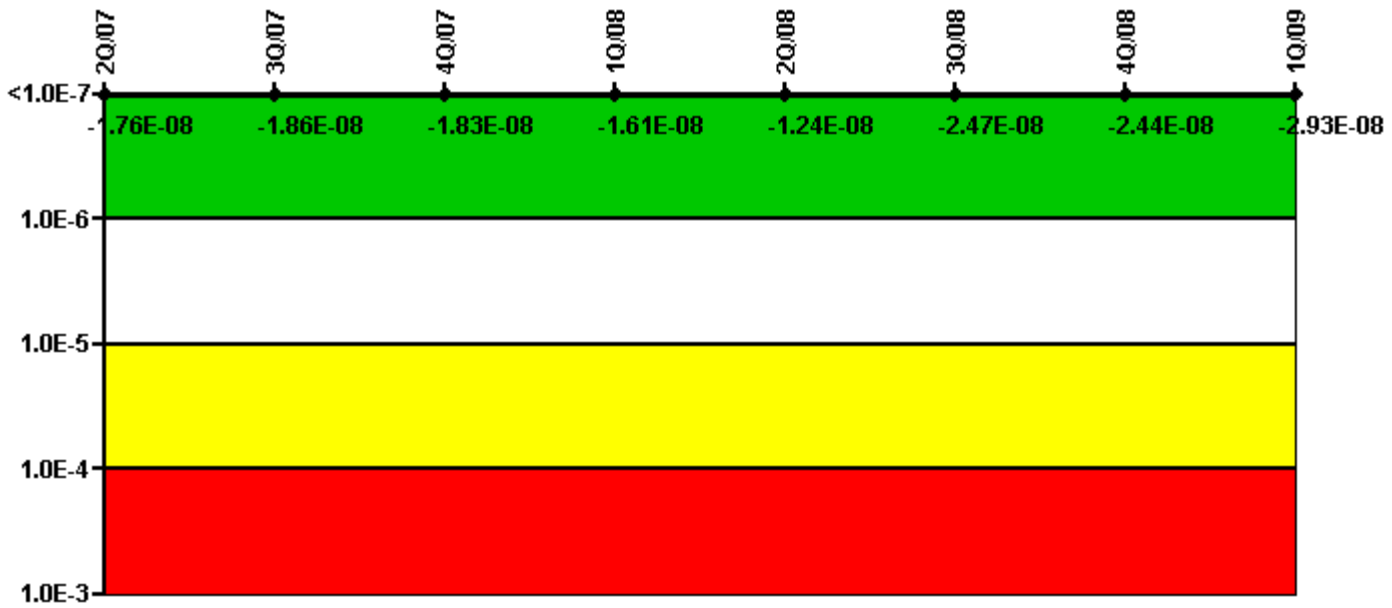
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	1.00E-07	9.50E-08	9.00E-08	3.90E-08	8.90E-09	-1.70E-09	-2.90E-09	-1.90E-08
URI (Δ CDF)	-4.00E-07	-3.90E-07	-3.90E-07	-3.80E-07	-3.90E-07	-2.10E-07	-2.00E-07	-2.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.00E-07	-2.95E-07	-3.00E-07	-3.41E-07	-3.81E-07	-2.12E-07	-2.03E-07	-2.29E-07

Licensee Comments:

3Q/08: Revision 3 of the GGNS PRA was issued on June 30, 2008. Revision 3 was a major update that included the update of plant specific data, initiator frequencies (both plant specific and generic), common cause analyses, human reliability analyses; the addition of several new initiators; and changes to the modeling of offsite power. The revision has resulted in a new overall core damage frequency, changes to the Fussell-Vesely importance of all of the MSPI related basic events and changes to the probability of many of the MSPI related basic events.

Mitigating Systems Performance Index, Residual Heat Removal System



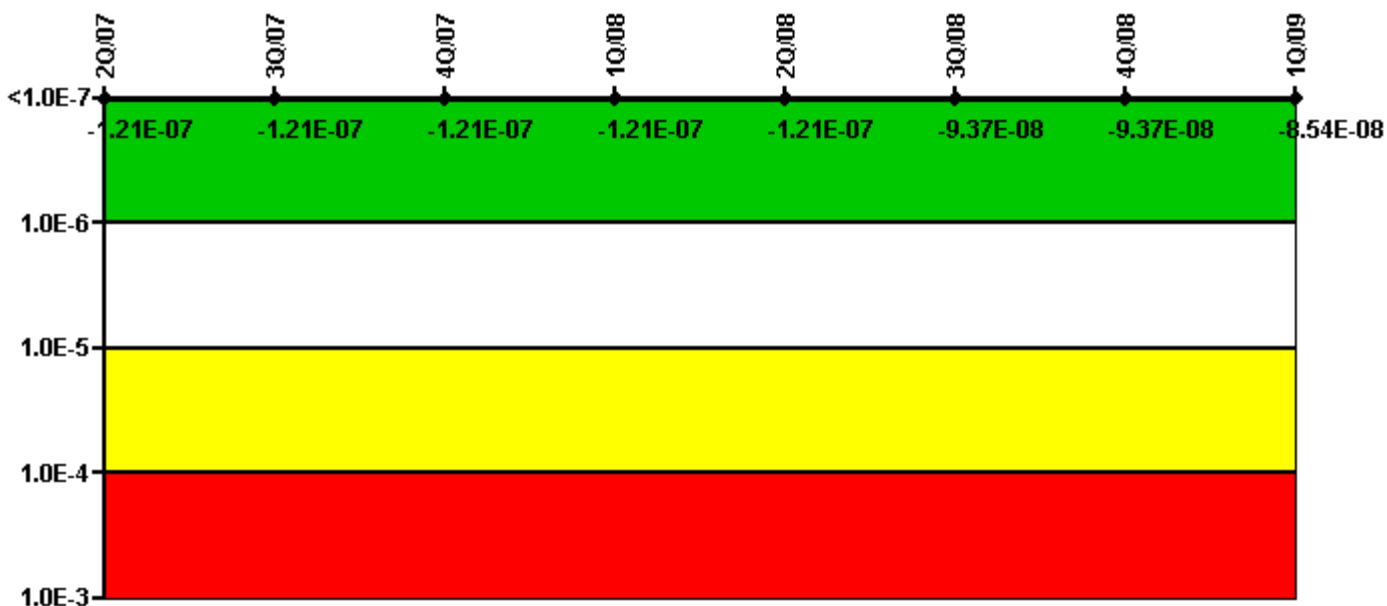
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	-7.60E-09	-7.60E-09	-7.30E-09	-5.10E-09	-1.40E-09	-7.10E-10	-4.40E-10	-5.30E-09
URI (Δ CDF)	-1.00E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-2.40E-08	-2.40E-08	-2.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.76E-08	-1.86E-08	-1.83E-08	-1.61E-08	-1.24E-08	-2.47E-08	-2.44E-08	-2.93E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



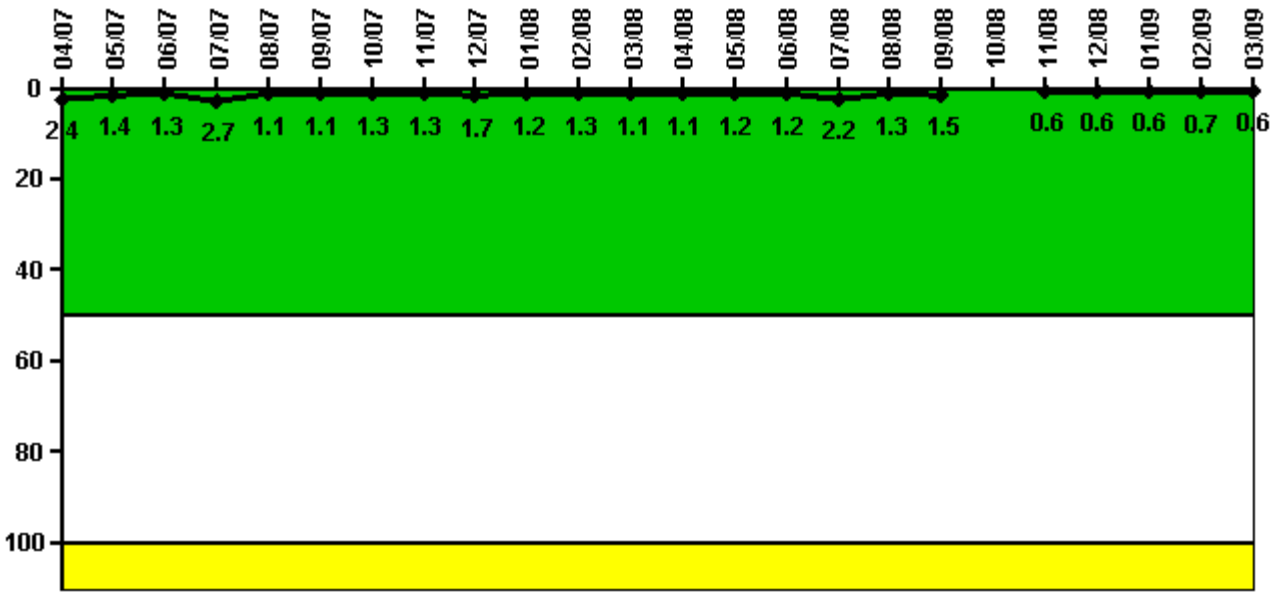
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	-1.40E-09	-1.40E-09	-1.40E-09	-1.40E-09	-1.40E-09	-1.70E-09	-1.70E-09	6.60E-09
URI (Δ CDF)	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-9.20E-08	-9.20E-08	-9.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.21E-07	-1.21E-07	-1.21E-07	-1.21E-07	-1.21E-07	-9.37E-08	-9.37E-08	-8.54E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

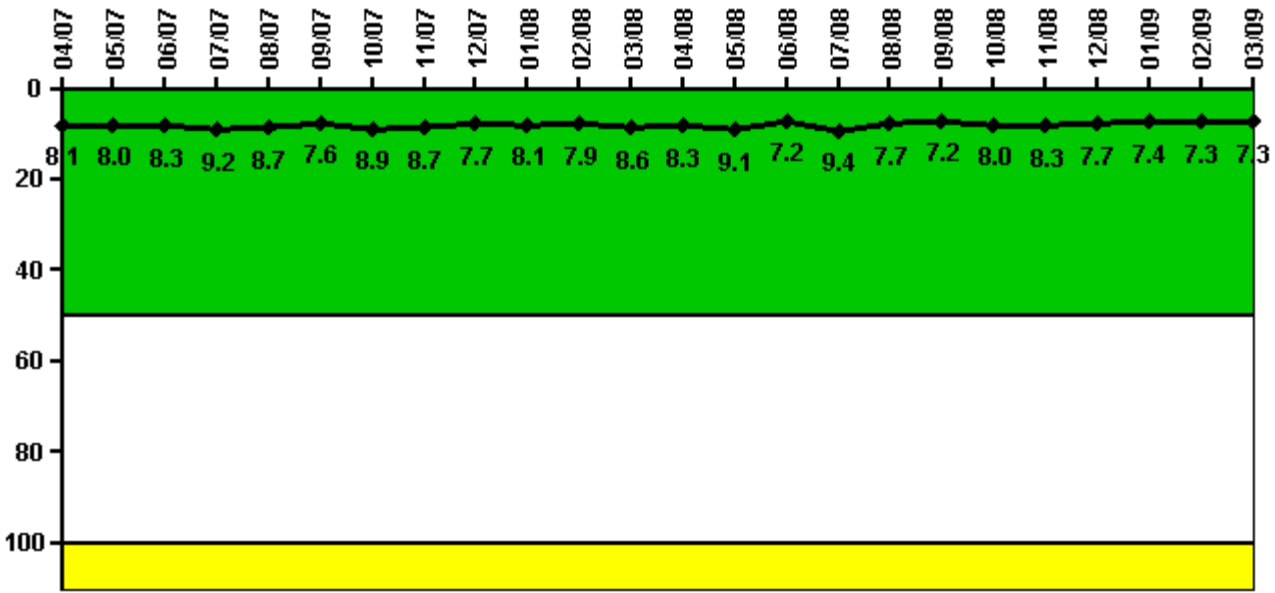
Notes

Reactor Coolant System Activity	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum activity	0.004790	0.002870	0.002660	0.005360	0.002100	0.002170	0.002670	0.002510	0.003380	0.002370	0.002660	0.002120
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	2.4	1.4	1.3	2.7	1.1	1.1	1.3	1.3	1.7	1.2	1.3	1.1

Reactor Coolant System Activity	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum activity	0.002210	0.002420	0.002430	0.004370	0.002590	0.003030	N/A	0.001140	0.001250	0.001130	0.001420	0.001160
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	1.1	1.2	1.2	2.2	1.3	1.5	N/A	0.6	0.6	0.6	0.7	0.6

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

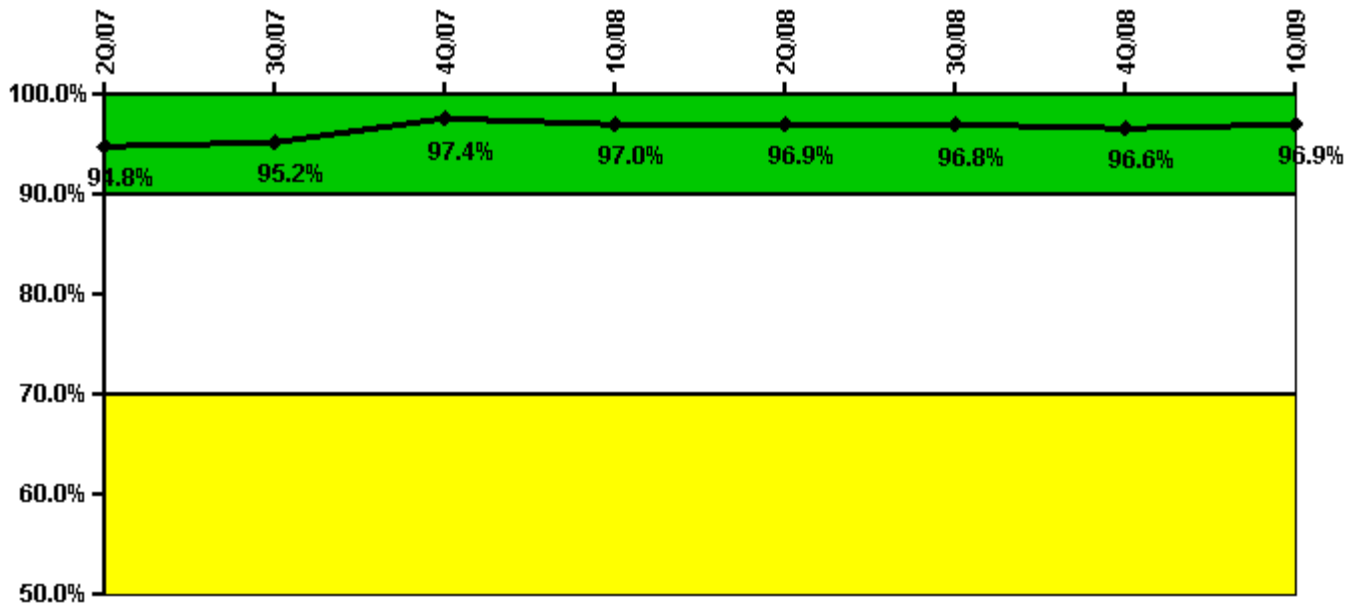
Notes

Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	2.420	2.390	2.480	2.770	2.600	2.280	2.680	2.620	2.300	2.420	2.380	2.570
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	8.1	8.0	8.3	9.2	8.7	7.6	8.9	8.7	7.7	8.1	7.9	8.6

Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	2.480	2.730	2.170	2.810	2.320	2.170	2.400	2.480	2.320	2.220	2.180	2.190
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	8.3	9.1	7.2	9.4	7.7	7.2	8.0	8.3	7.7	7.4	7.3	7.3

Licensee Comments: none

Drill/Exercise Performance



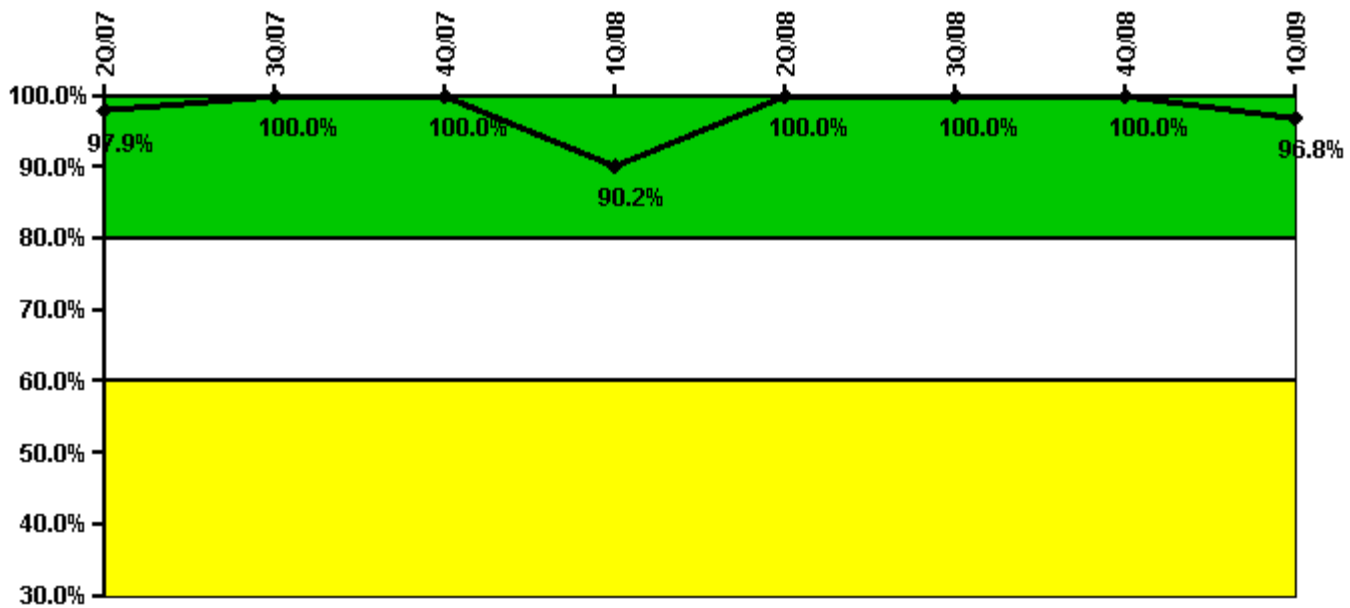
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	28.0	24.0	77.0	20.0	55.0	10.0	1.0	2.0
Total opportunities	29.0	24.0	78.0	22.0	57.0	10.0	2.0	2.0
Indicator value	94.8%	95.2%	97.4%	97.0%	96.9%	96.8%	96.6%	96.9%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

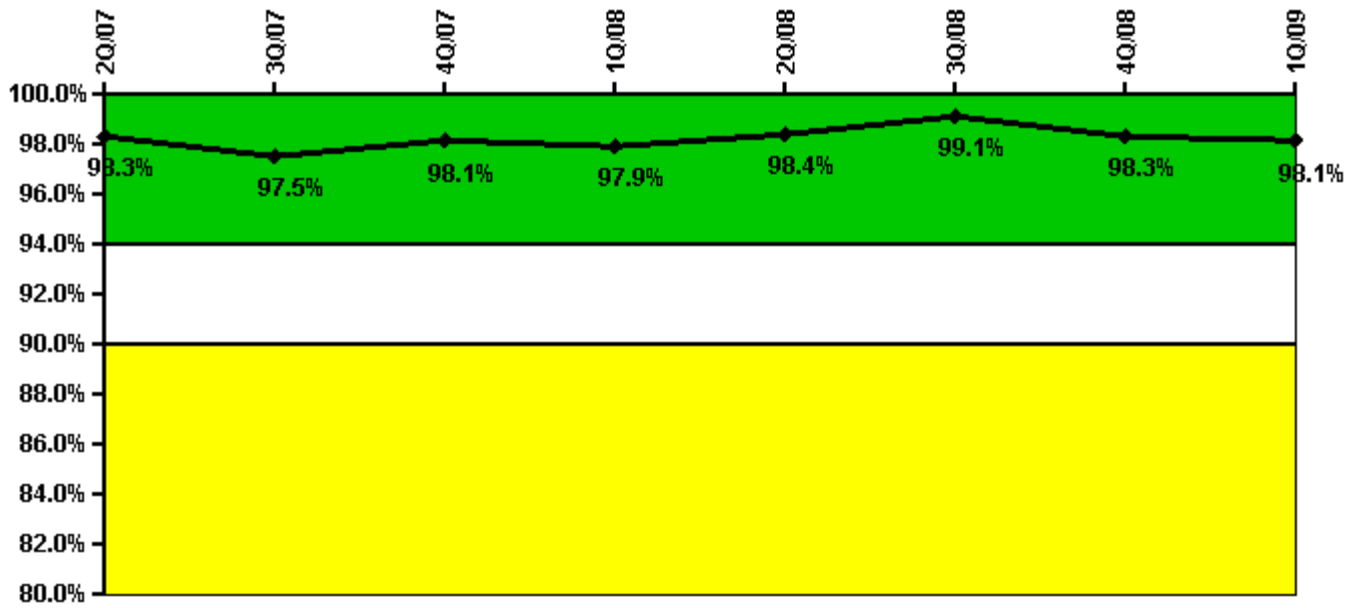
Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	92.0	90.0	83.0	74.0	80.0	84.0	81.0	61.0
Total Key personnel	94.0	90.0	83.0	82.0	80.0	84.0	81.0	63.0
Indicator value	97.9%	100.0%	100.0%	90.2%	100.0%	100.0%	100.0%	96.8%

Licensee Comments:

4Q/08: One ERO member that had been removed from the ERO was included in the 4th quarter 2008 PI submittal. The baseline and participation result is revised from 82 to 81. The Performance Indicator color is not affected.

Alert & Notification System



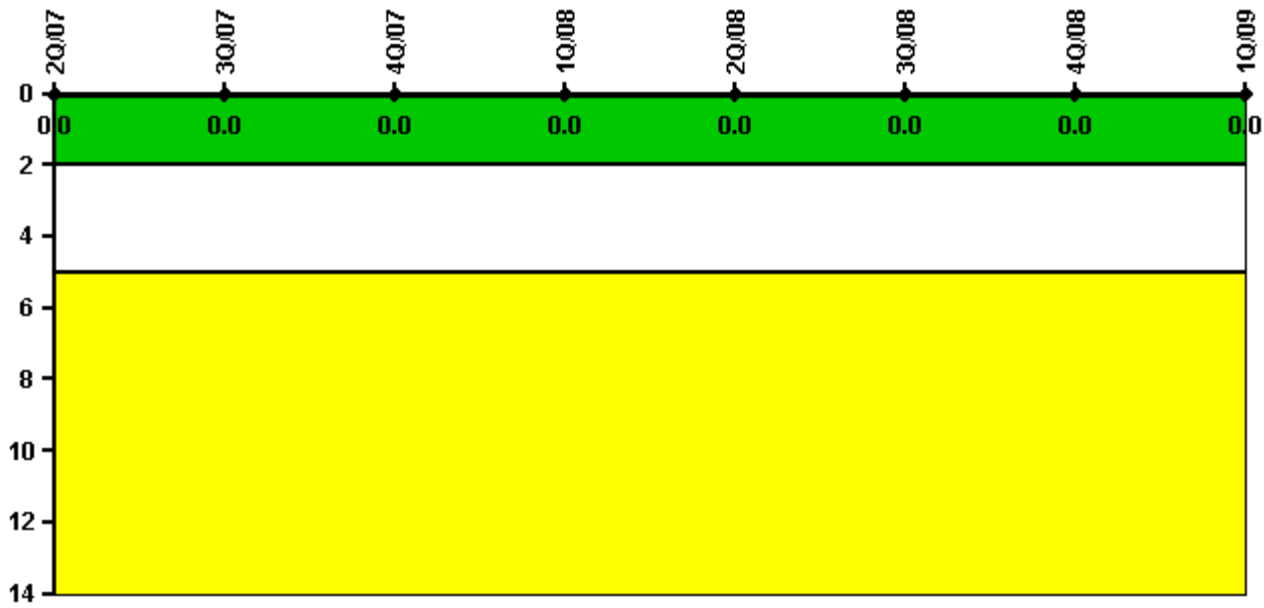
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	126	123	129	127	125	82	125	126
Total sirens-tests	129	129	129	129	125	84	129	129
Indicator value	98.3%	97.5%	98.1%	97.9%	98.4%	99.1%	98.3%	98.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
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	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/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.