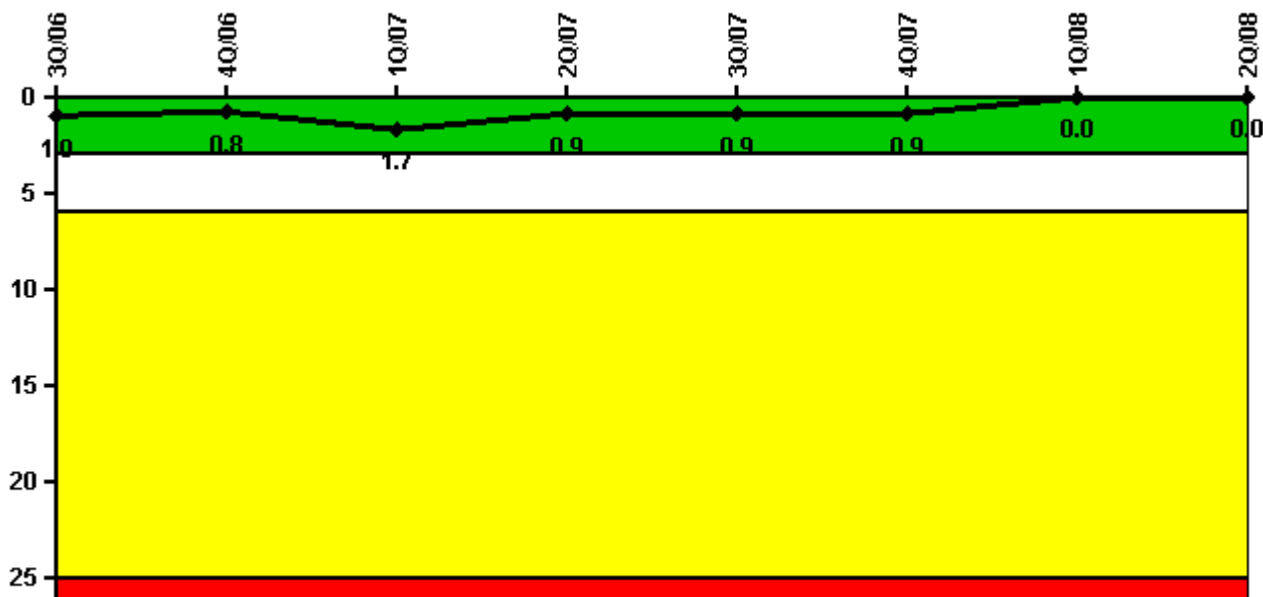


Callaway

2Q/2008 Performance Indicators

Licensee's General Comments: Revision 002 of the Callaway Plant MSPI Basis Document was issued on June 26, 2008, reflecting revised planned baseline unavailability factors for all MSPI systems. Revised data is effective for MSPI calculations in the third quarter 2008.

Unplanned Scrams per 7000 Critical Hrs



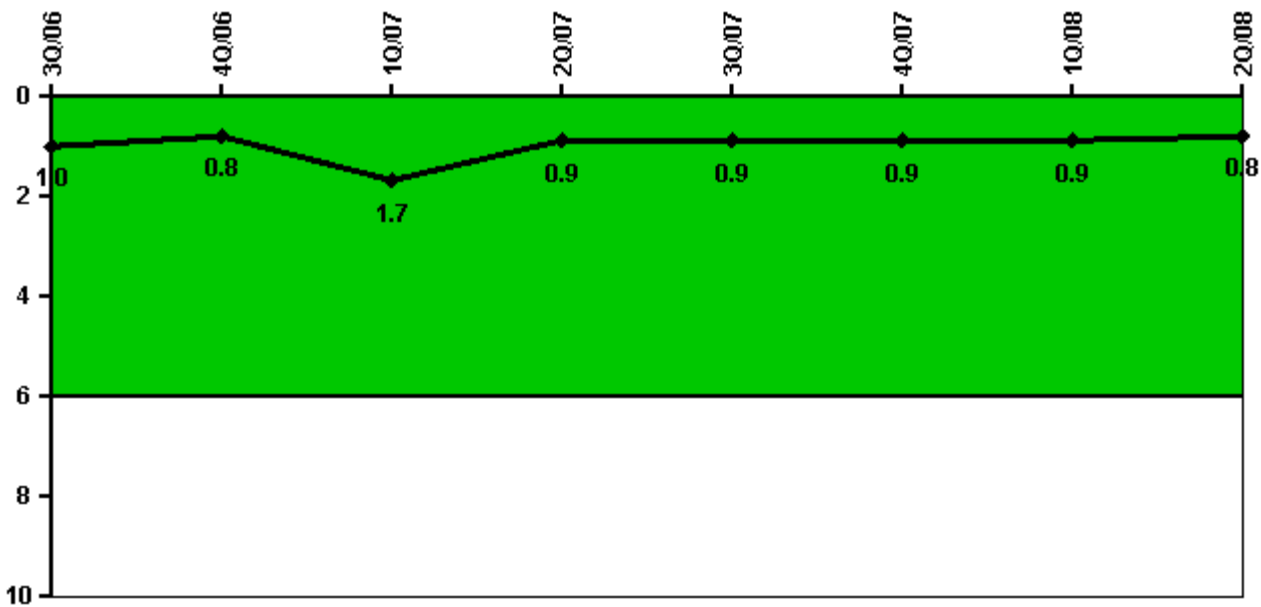
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2081.3	1314.3	2208.0	2209.0	2183.0	2184.0
Indicator value	1.0	0.8	1.7	0.9	0.9	0.9	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	0	1.0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2081.3	1314.3	2208.0	2209.0	2183.0	2184.0
Indicator value	1.0	0.8	1.7	0.9	0.9	0.9	0.9	0.8

Licensee Comments: none

Unplanned Scrams with Complications



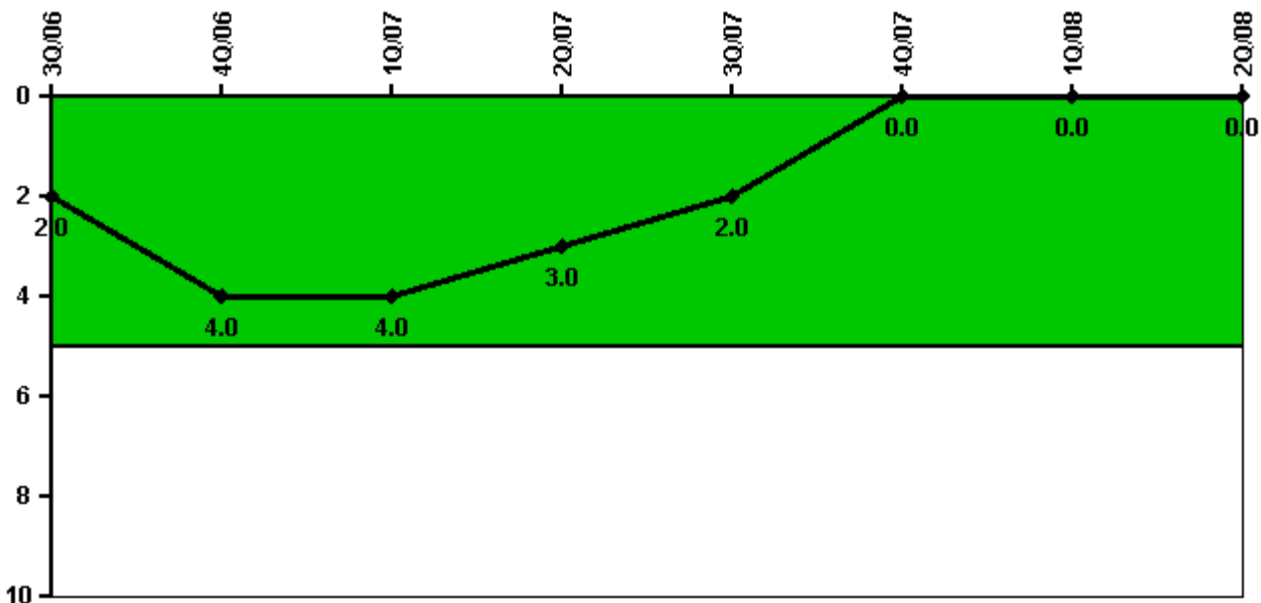
Thresholds: White > 1.0

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)



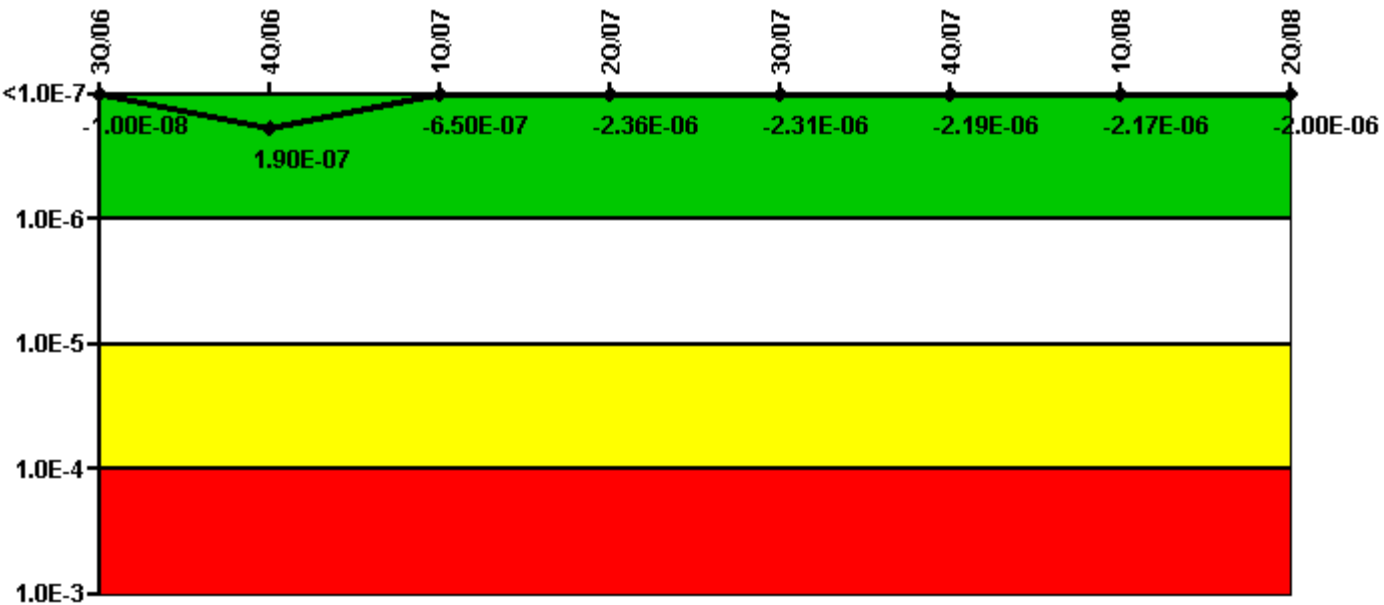
Thresholds: White > 5.0

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	1	2	0	0	0	0	0	0
Indicator value	2	4	4	3	2	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

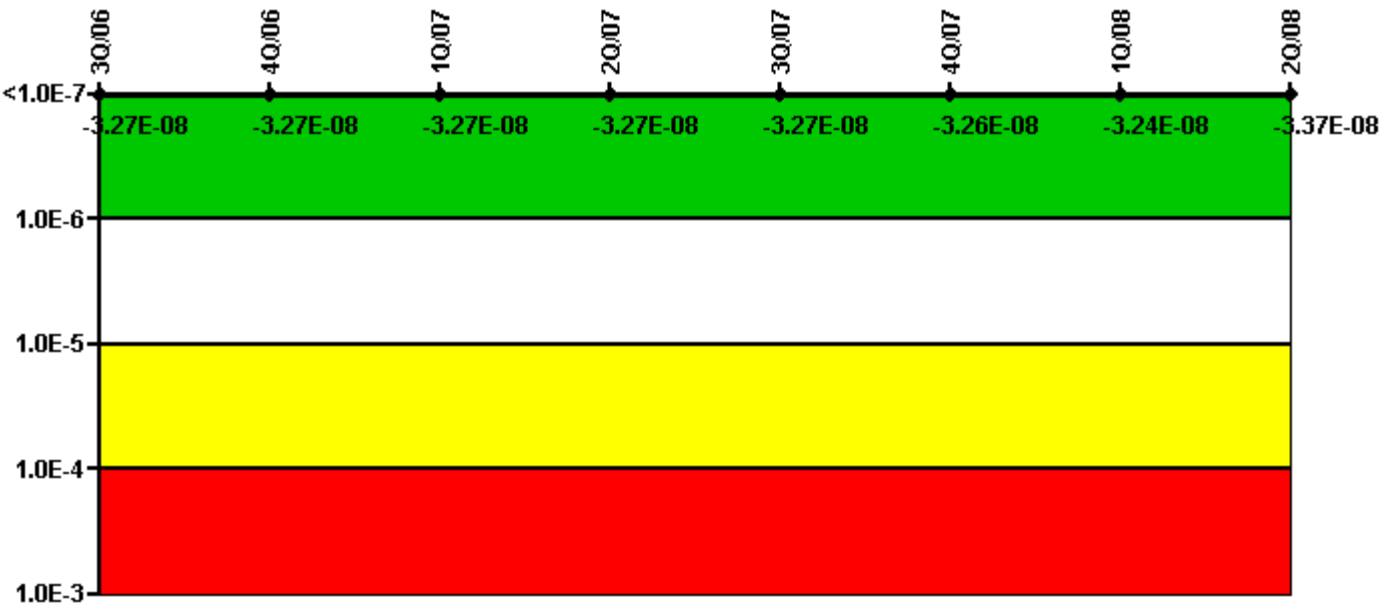
Notes

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 (Δ CDF)	6.00E-07	8.00E-07	4.50E-07	3.40E-07	3.90E-07	5.10E-07	5.30E-07	7.00E-07
URI (Δ CDF)	-6.10E-07	-6.10E-07	-1.10E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-08	1.90E-07	-6.50E-07	-2.36E-06	-2.31E-06	-2.19E-06	-2.17E-06	-2.00E-06

Licensee Comments:

2Q/08: Revision 002 of the Callaway Plant MSPI Basis Document was issued on June 26, 2008, reflecting revised planned baseline unavailability factors for all MSPI systems. Revised data is effective for MSPI calculations in the third quarter 2008.

Mitigating Systems Performance Index, High Pressure Injection System



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

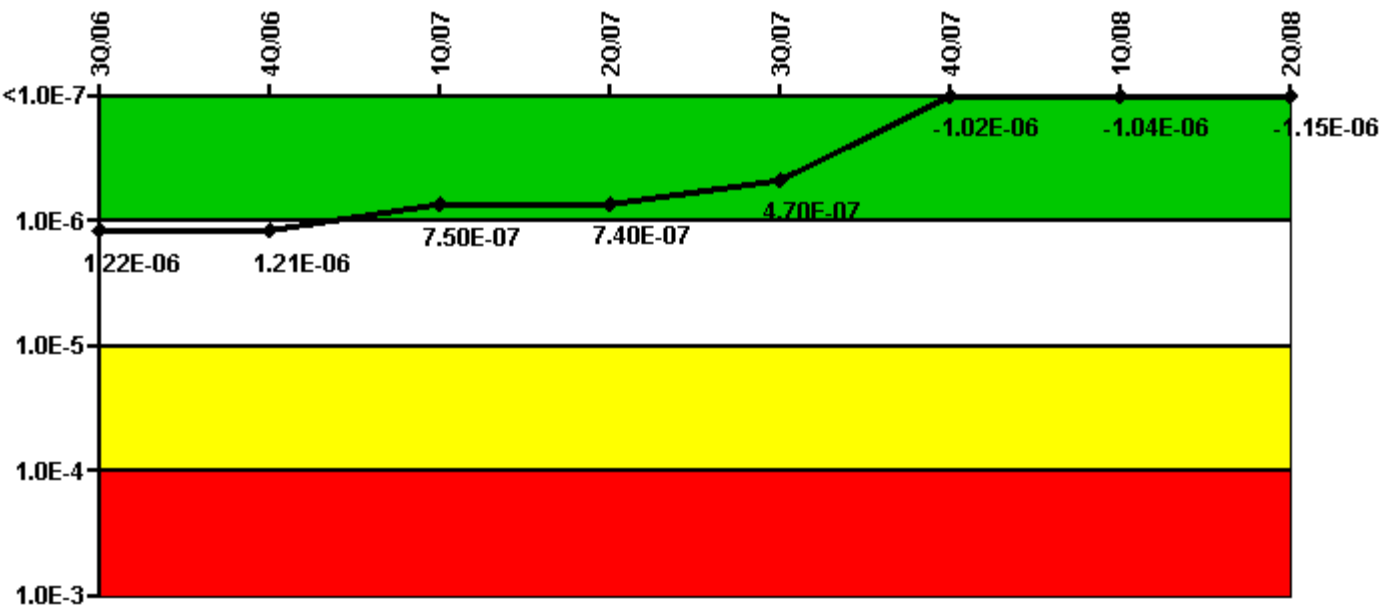
Notes

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)	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.60E-09	-4.40E-09	-4.70E-09
URI (Δ CDF)	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.27E-08	-3.27E-08	-3.27E-08	-3.27E-08	-3.27E-08	-3.26E-08	-3.24E-08	-3.37E-08

Licensee Comments:

2Q/08: Revision 002 of the Callaway Plant MSPI Basis Document was issued on June 26, 2008, reflecting revised planned baseline unavailability factors for all MSPI systems. Revised data is effective for MSPI calculations in the third quarter 2008.

Mitigating Systems Performance Index, Heat Removal System



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

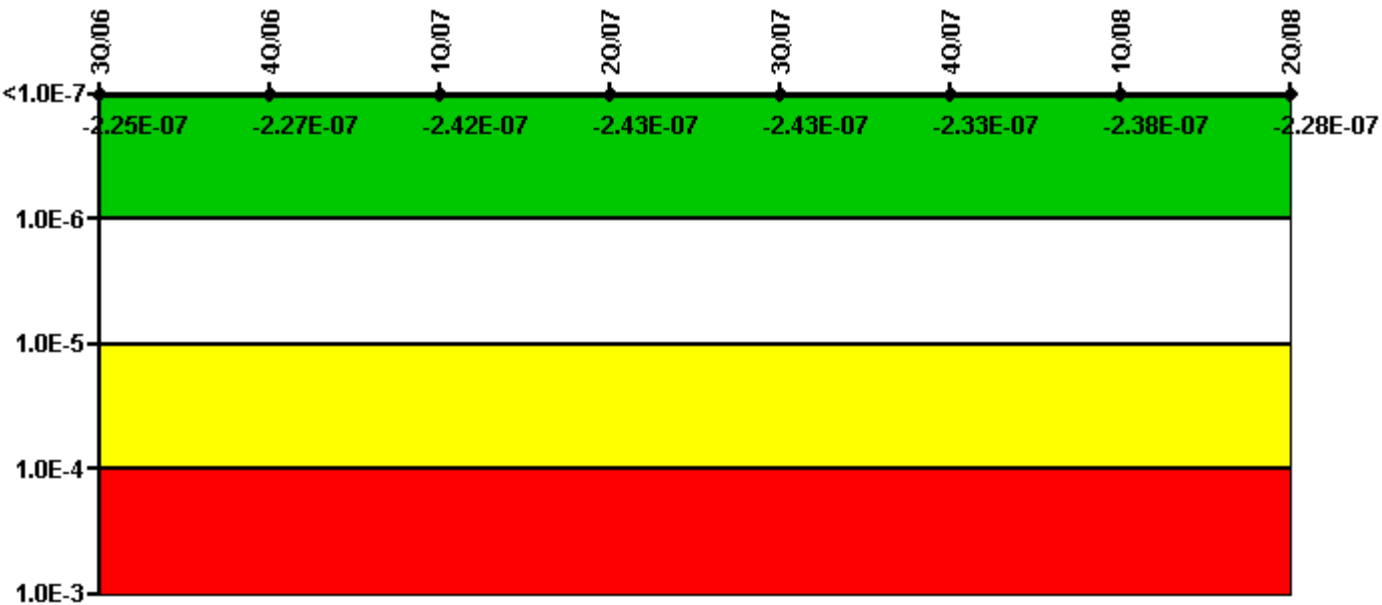
Notes

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)	4.50E-07	4.40E-07	4.20E-07	4.10E-07	1.70E-07	-1.90E-08	6.00E-08	-5.00E-08
URI (Δ CDF)	7.70E-07	7.70E-07	3.30E-07	3.30E-07	3.00E-07	-1.00E-06	-1.10E-06	-1.10E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.22E-06	1.21E-06	7.50E-07	7.40E-07	4.70E-07	-1.02E-06	-1.04E-06	-1.15E-06

Licensee Comments:

2Q/08: Revision 002 of the Callaway Plant MSPI Basis Document was issued on June 26, 2008, reflecting revised planned baseline unavailability factors for all MSPI systems. Revised data is effective for MSPI calculations in the third quarter 2008.

Mitigating Systems Performance Index, Residual Heat Removal System



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

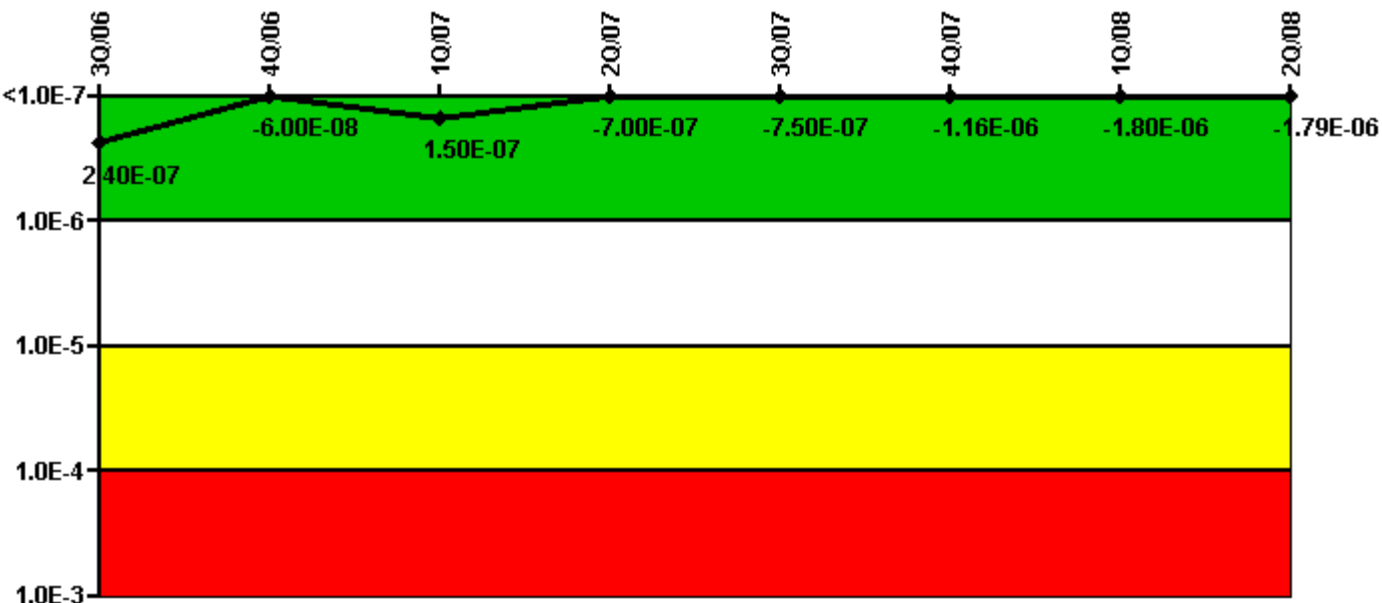
Notes

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)	-5.30E-09	-6.90E-09	-2.20E-08	-2.30E-08	-2.30E-08	-1.30E-08	-1.80E-08	-1.80E-08
URI (Δ CDF)	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.20E-07	-2.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.25E-07	-2.27E-07	-2.42E-07	-2.43E-07	-2.43E-07	-2.33E-07	-2.38E-07	-2.28E-07

Licensee Comments:

2Q/08: Revision 002 of the Callaway Plant MSPI Basis Document was issued on June 26, 2008, reflecting revised planned baseline unavailability factors for all MSPI systems. Revised data is effective for MSPI calculations in the third quarter 2008.

Mitigating Systems Performance Index, Cooling Water Systems



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

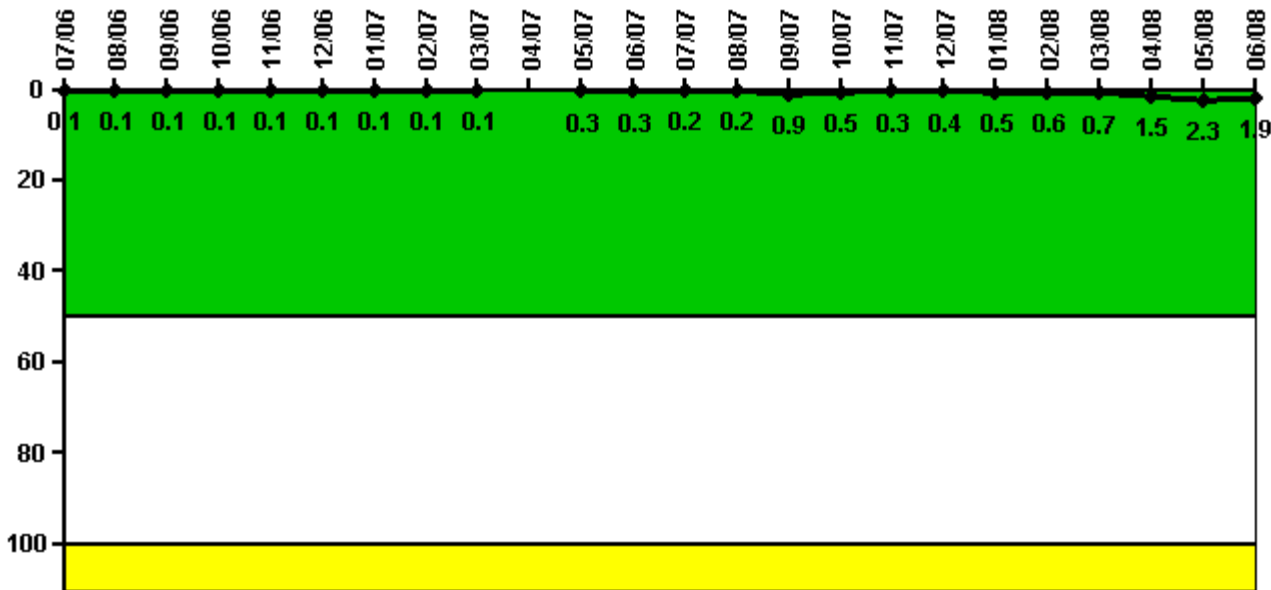
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	8.50E-07	5.90E-07	8.00E-07	4.00E-07	3.50E-07	-6.30E-08	-6.00E-07	-5.90E-07
URI (ΔCDF)	-6.10E-07	-6.50E-07	-6.50E-07	-1.10E-06	-1.10E-06	-1.10E-06	-1.20E-06	-1.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.40E-07	-6.00E-08	1.50E-07	-7.00E-07	-7.50E-07	-1.16E-06	-1.80E-06	-1.79E-06

Licensee Comments:

2Q/08: Revision 002 of the Callaway Plant MSPI Basis Document was issued on June 26, 2008, reflecting revised planned baseline unavailability factors for all MSPI systems. Revised data is effective for MSPI calculations in the third quarter 2008.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

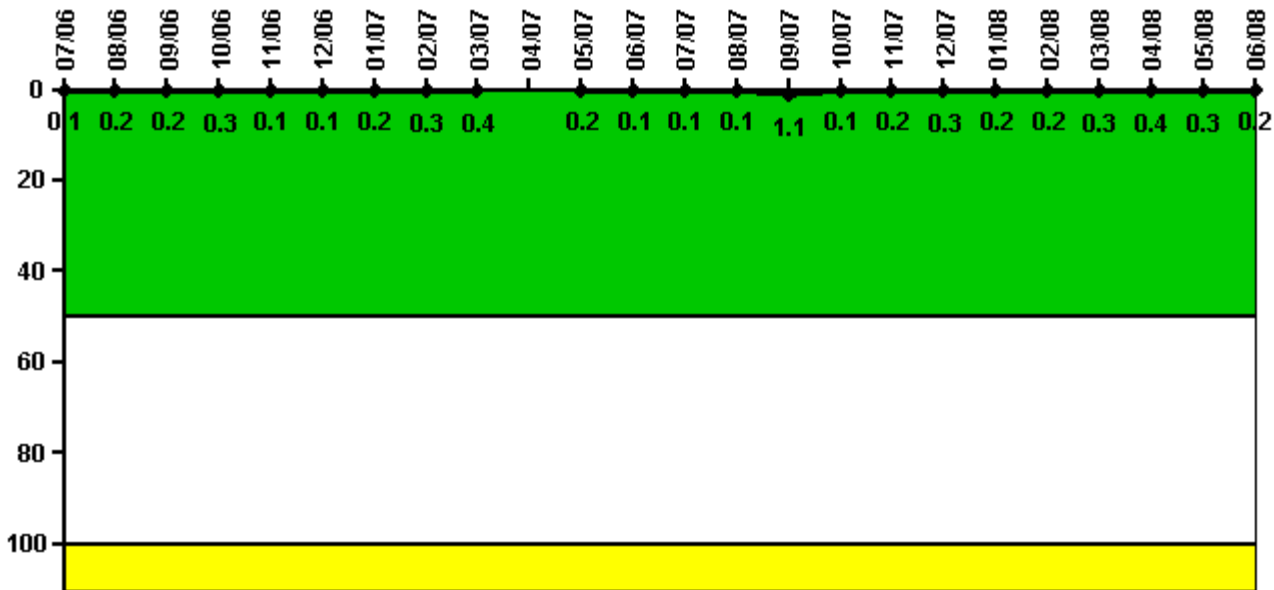
Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000627	0.000645	0.000643	0.000654	0.000675	0.000670	0.000978	0.000831	0.001050	N/A	0.002530	0.002730
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0.3	0.3

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	0.002440	0.002240	0.008790	0.005370	0.003410	0.004370	0.005010	0.005510	0.006980	0.014900	0.022600	0.018500
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	0.9	0.5	0.3	0.4	0.5	0.6	0.7	1.5	2.3	1.9

Licensee Comments:

6/08: These maximum values for DEI for each month of the quarter are elevated above the typical DEI value of approx. 0.007 micro curies / gm due to reduction or isolation of CVCS L/D, and the current fuel defect.

Reactor Coolant System Leakage



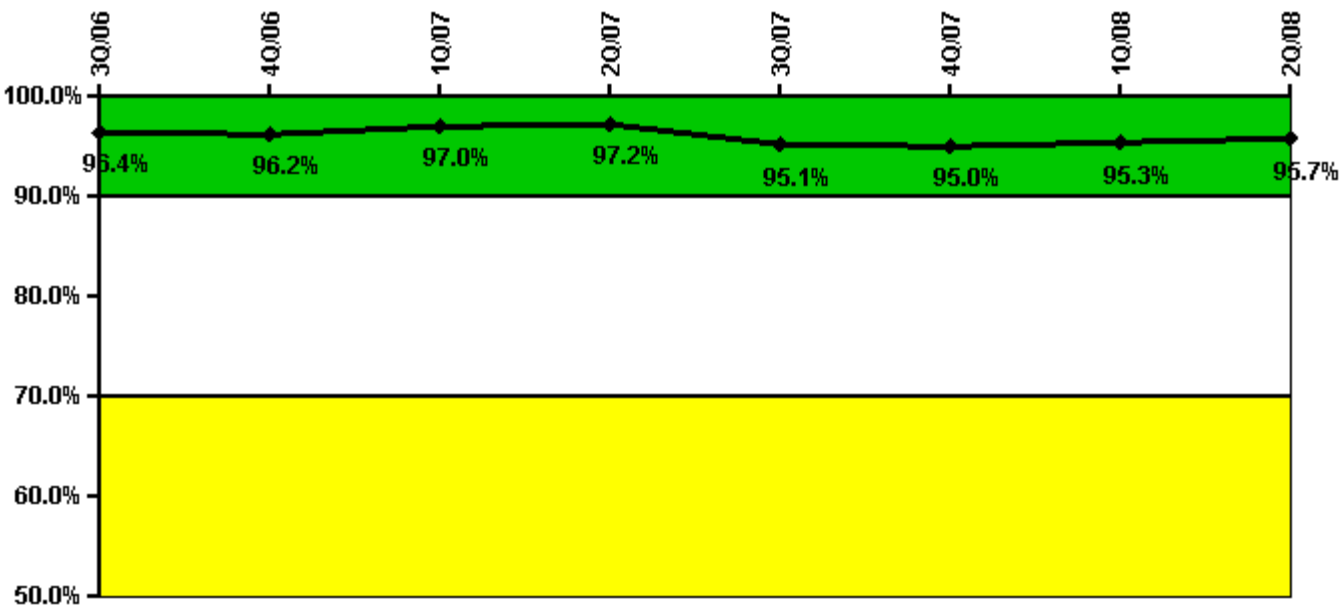
Thresholds: White > 50.0 Yellow > 100.0

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	0.012	0.016	0.023	0.028	0.013	0.014	0.016	0.025	0.037	N/A	0.016	0.013
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	0.1	0.2	0.2	0.3	0.1	0.1	0.2	0.3	0.4	N/A	0.2	0.1
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	0.013	0.013	0.105	0.007	0.018	0.025	0.019	0.021	0.027	0.036	0.028	0.019
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	0.1	0.1	1.1	0.1	0.2	0.3	0.2	0.2	0.3	0.4	0.3	0.2

Licensee Comments: none

Drill/Exercise Performance



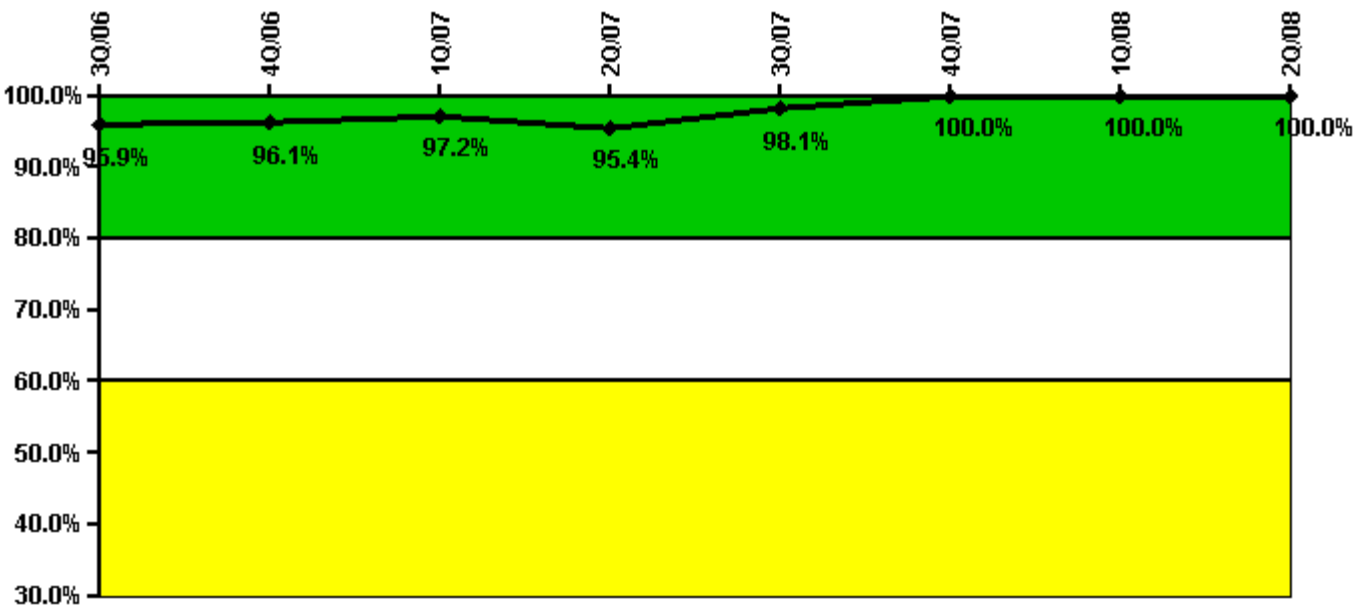
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	27.0	31.0	18.0	14.0	47.0	16.0	52.0	64.0
Total opportunities	30.0	32.0	18.0	14.0	52.0	17.0	52.0	66.0
Indicator value	96.4%	96.2%	97.0%	97.2%	95.1%	95.0%	95.3%	95.7%

Licensee Comments: none

ERO Drill Participation



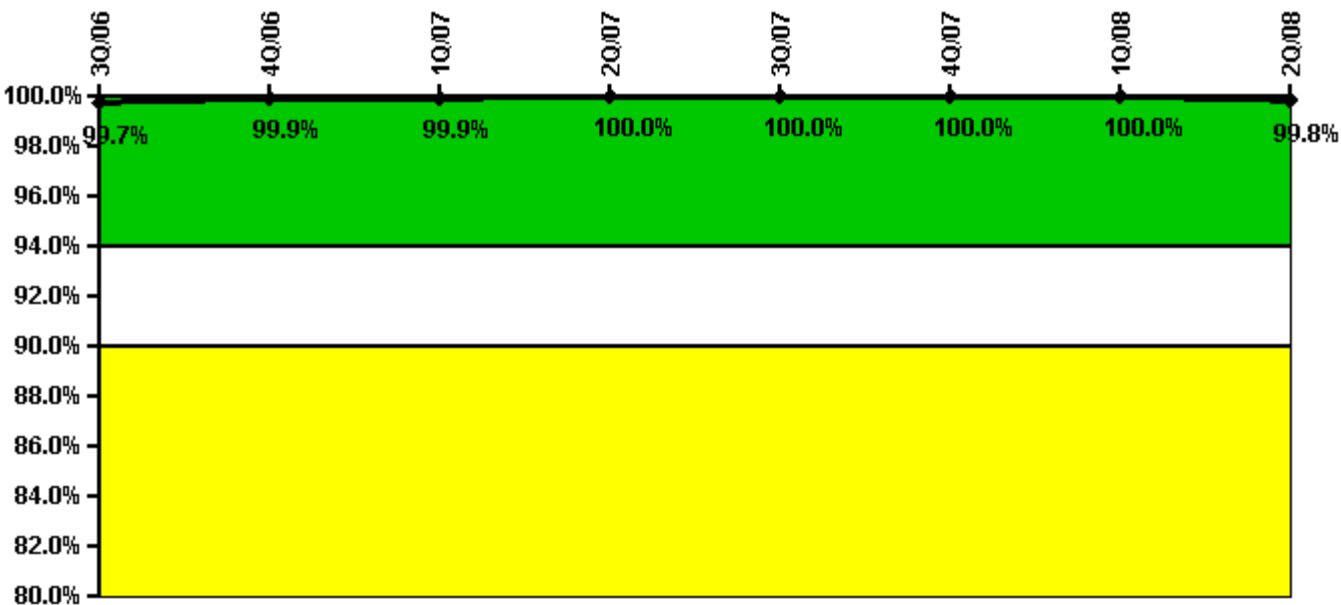
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	93.0	99.0	105.0	103.0	103.0	107.0	100.0	100.0
Total Key personnel	97.0	103.0	108.0	108.0	105.0	107.0	100.0	100.0
Indicator value	95.9%	96.1%	97.2%	95.4%	98.1%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



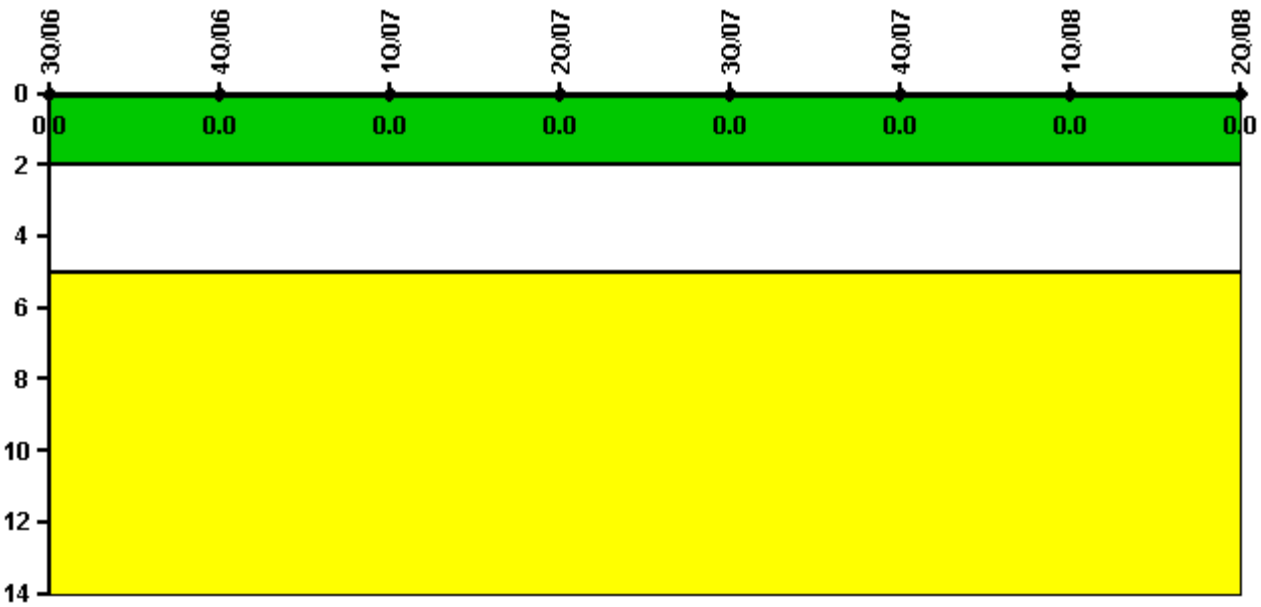
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	377	377	377	377	377	377	377	374
Total sirens-tests	377	377	377	377	377	377	377	377
Indicator value	99.7%	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%	99.8%

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.

▲ [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: August 4, 2008