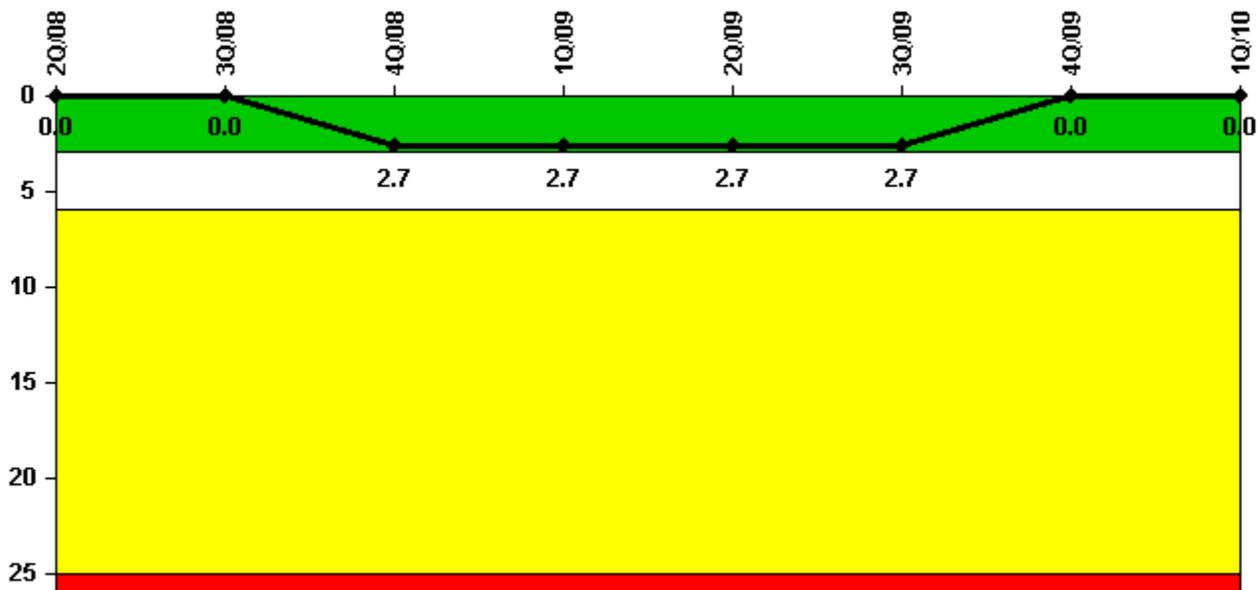


Callaway

1Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



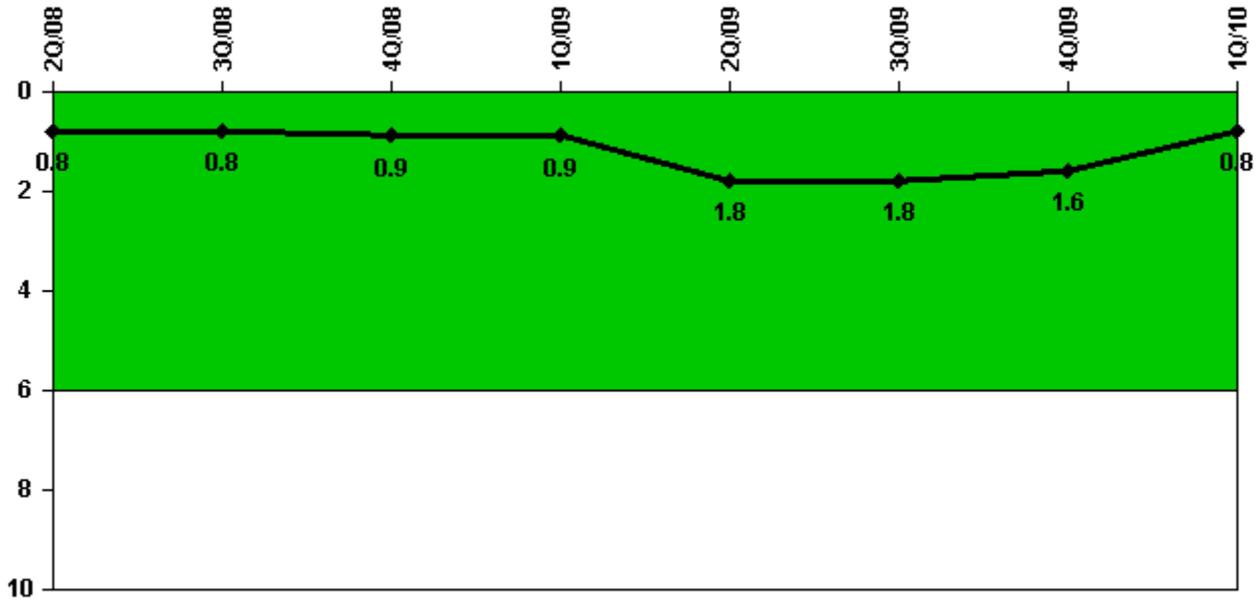
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	3.0	0	0	0	0	0
Critical hours	2184.0	2208.0	1311.6	1950.4	2184.0	2208.0	2209.0	2159.0
Indicator value	0	0	2.7	2.7	2.7	2.7	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



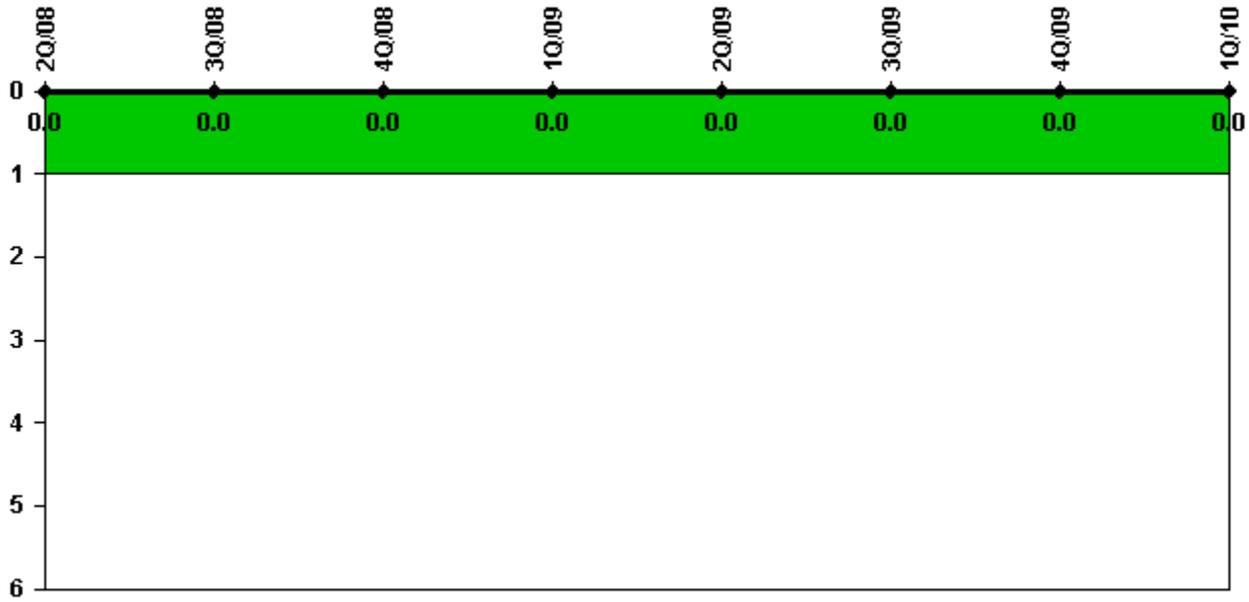
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	1.0	1.0	0	0	0
Critical hours	2184.0	2208.0	1311.6	1950.4	2184.0	2208.0	2209.0	2159.0
Indicator value	0.8	0.8	0.9	0.9	1.8	1.8	1.6	0.8

Licensee Comments: none

Unplanned Scrams with Complications



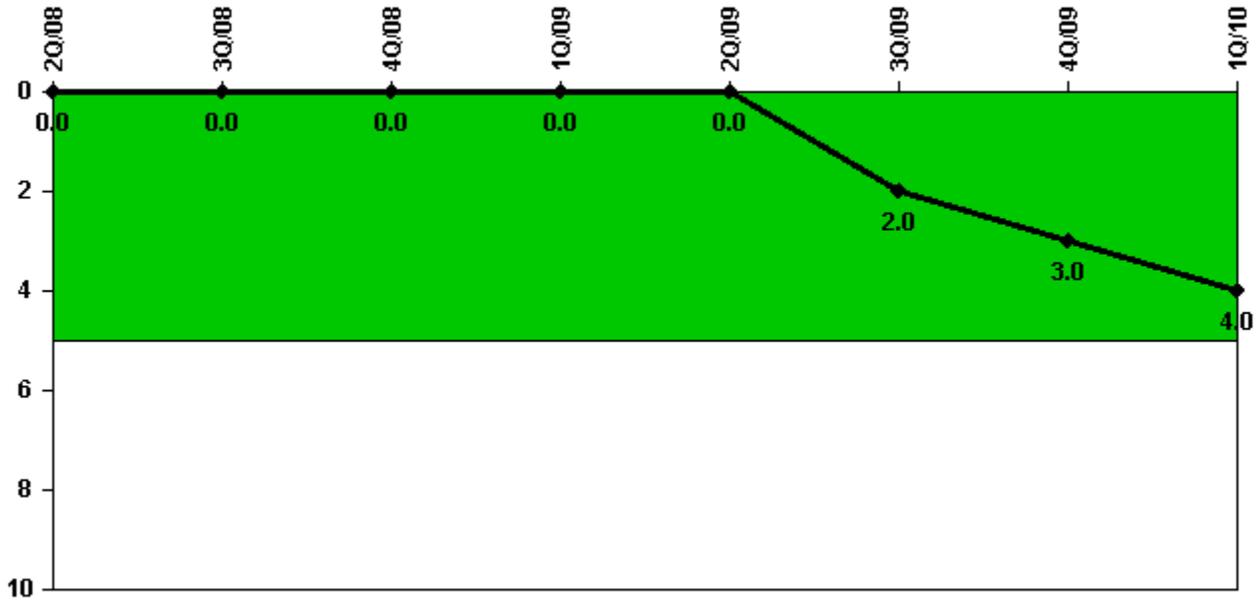
Thresholds: White > 1.0

Notes

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

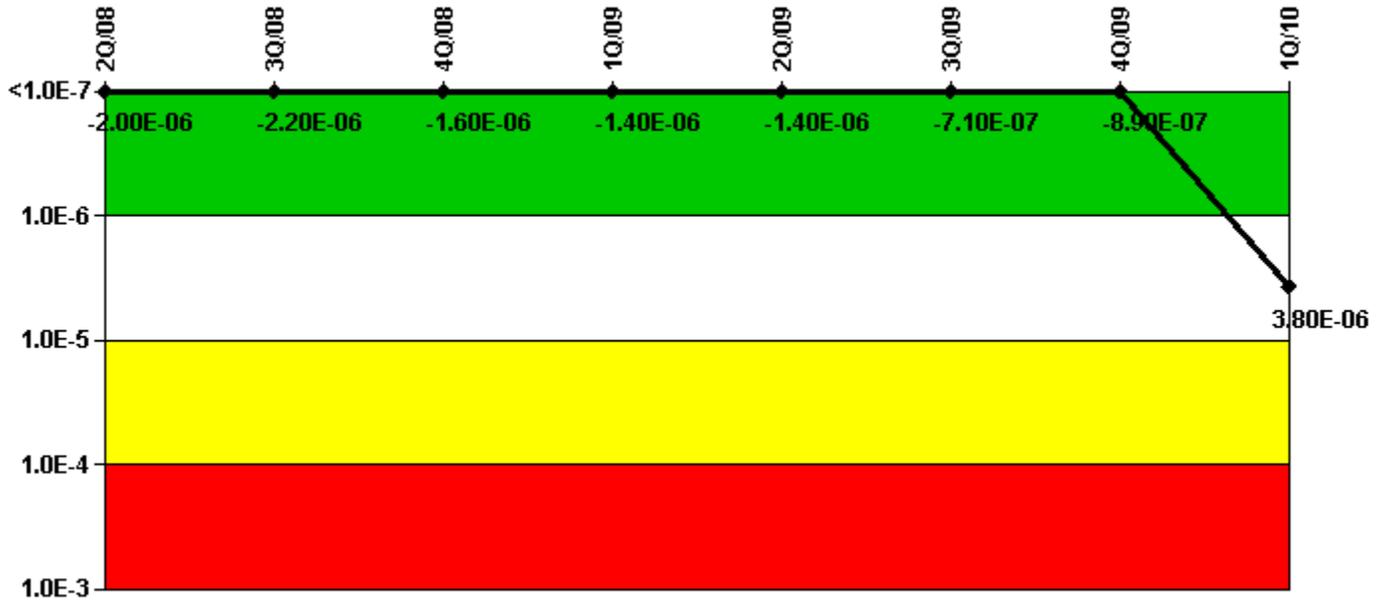
Notes

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

Licensee Comments:

1Q/10: LER 2010-001-00 submitted as a SSFF on March 23, 2010.

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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	6.95E-07	4.84E-07	6.27E-07	7.36E-07	8.06E-07	9.56E-07	7.76E-07	1.18E-06
URI (Δ CDF)	-2.68E-06	-2.68E-06	-2.18E-06	-2.18E-06	-2.16E-06	-1.67E-06	-1.67E-06	2.64E-06
PLE	NO	NO						
Indicator value	-2.00E-06	-2.20E-06	-1.60E-06	-1.40E-06	-1.40E-06	-7.10E-07	-8.90E-07	3.80E-06

Licensee Comments:

1Q/10: Risk Cap Invoked. NE01 Failure to run during surveillance testing.

4Q/09: Risk Cap Invoked.

3Q/09: Risk Cap Invoked.

2Q/09: Risk Cap Invoked.

1Q/09: Risk Cap Invoked.

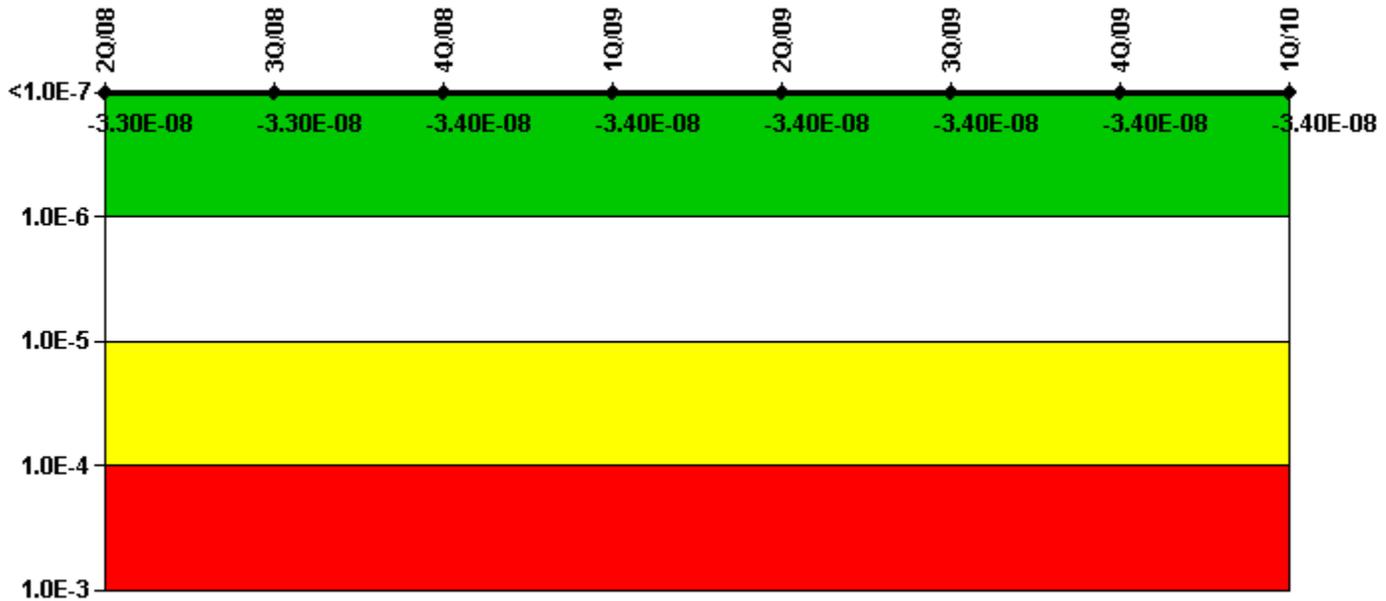
4Q/08: Risk Cap Invoked. Re-evaluated decision to recind diesel generator MSPI run time failure from December 2008. Callaway has determined that the failure was a run time failure and will report it as such to the NRC. The failure has been re-entered into CDE data.

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.

1Q/07: Risk Cap Invoked.

4Q/06: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



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

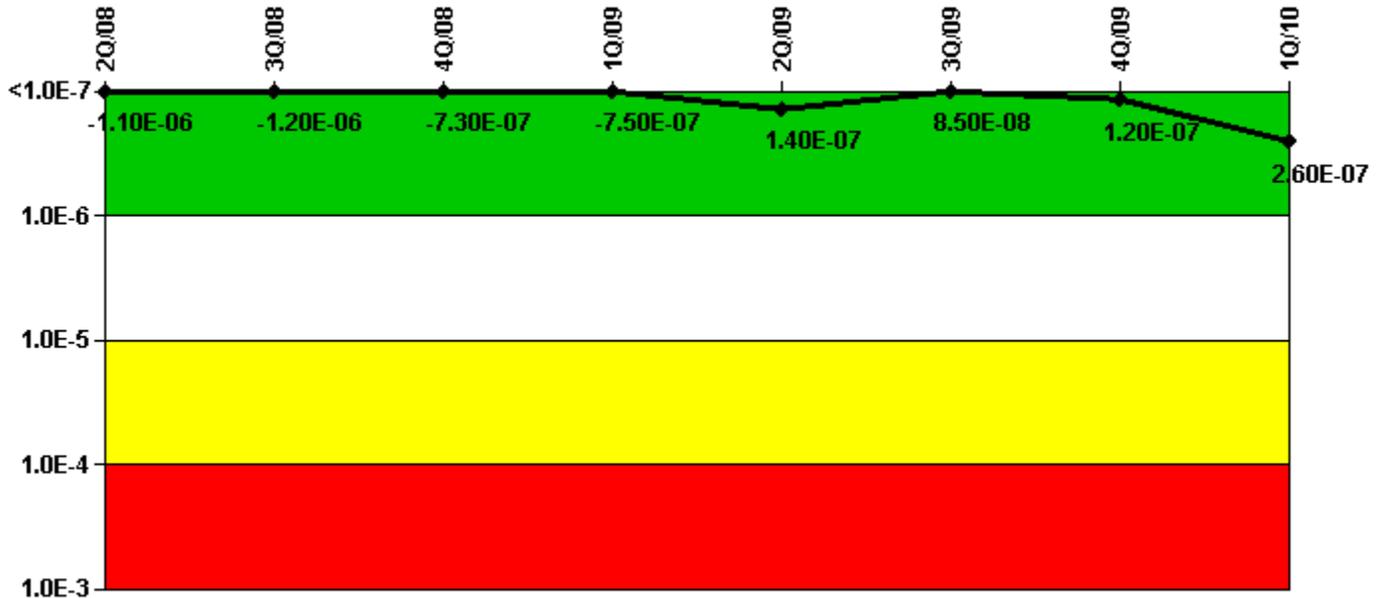
Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-4.74E-09	-4.74E-09	-4.75E-09	-4.74E-09	-4.58E-09	-4.85E-09	-4.85E-09	-4.85E-09
URI (Δ CDF)	-2.85E-08	-2.86E-08	-2.88E-08	-2.89E-08	-2.90E-08	-2.90E-08	-2.91E-08	-2.91E-08
PLE	NO							
Indicator value	-3.30E-08	-3.30E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.40E-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	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-5.04E-08	-8.41E-08	-8.47E-08	-7.99E-08	-2.87E-08	-3.44E-08	4.57E-08	2.41E-07
URI (Δ CDF)	-1.09E-06	-1.11E-06	-6.45E-07	-6.66E-07	1.72E-07	1.19E-07	7.02E-08	1.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-06	-1.20E-06	-7.30E-07	-7.50E-07	1.40E-07	8.50E-08	1.20E-07	2.60E-07

Licensee Comments:

1Q/10: Risk Cap Invoked.

4Q/09: Risk Cap Invoked.

3Q/09: Risk Cap Invoked.

2Q/09: Risk Cap Invoked. Failure to start during surveillance. This will be reported on LER 2009-002 in 2009Q3

1Q/09: Risk Cap Invoked.

4Q/08: Risk Cap Invoked. Failure to start of the TDAFP has been added on 1/18/10 due to Remote Servo FCFV0313 silver oxide corrosion issue / PART 21 notification.

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.

3Q/07: Risk Cap Invoked.

2Q/07: Risk Cap Invoked.

1Q/07: Risk Cap Invoked.

Indicator value	-1.80E-06	-1.40E-06	-1.50E-06	-1.60E-06	-1.40E-06	-2.40E-06	-2.40E-06	-2.90E-06
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Licensee Comments:

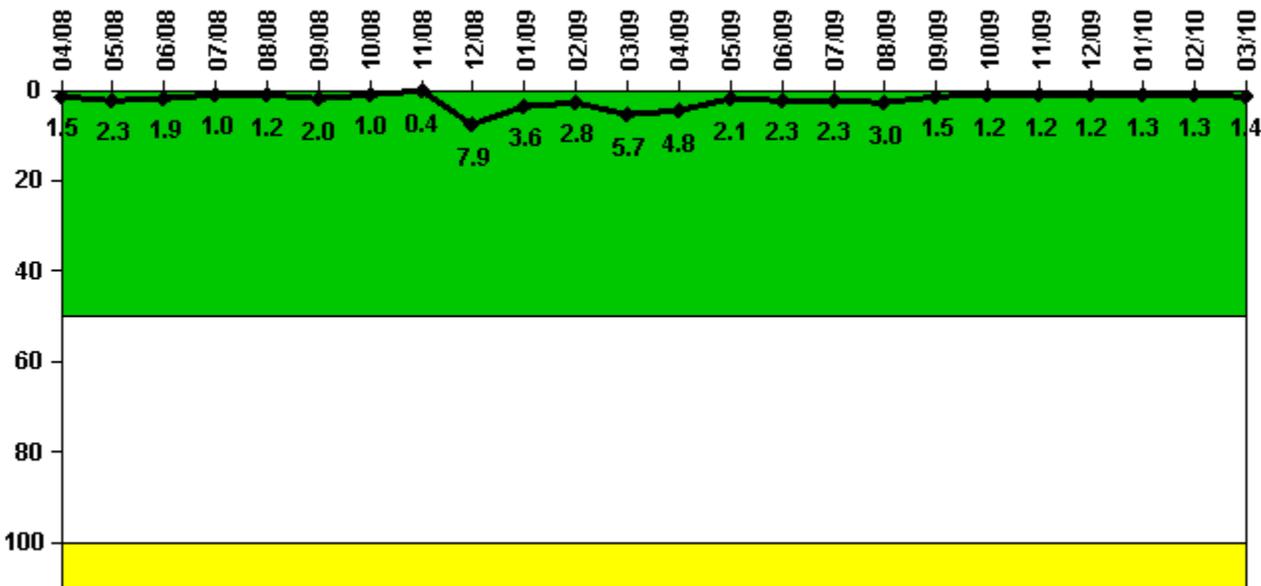
2Q/08: Revision 002 of the Callaway Plant MSPI Basis Document was issued on June 26, 2008, reflecting revised planned baseline unavailability factors for all MSPI systems. Revised data is effective for MSPI calculations in the third quarter 2008.

1Q/07: Following a process change related to collecting MSPI data, additional unavailability was discovered for this safety system which was not reflected in the original data submittal. The change affects data for the second and fourth quarters of 2006 and the first quarter 2007; and did not result in a color change to the PI for any affected reporting period.

4Q/06: Following a process change related to collecting MSPI data, additional unavailability was discovered for this safety system which was not reflected in the original data submittal. The change affects data for the second and fourth quarters of 2006 and the first quarter 2007; and did not result in a color change to the PI for any affected reporting period.

2Q/06: Following a process change related to collecting MSPI data, additional unavailability was discovered for this safety system which was not reflected in the original data submittal. The change affects data for the second and fourth quarters of 2006 and the first quarter 2007; and did not result in a color change to the PI for any affected reporting period.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

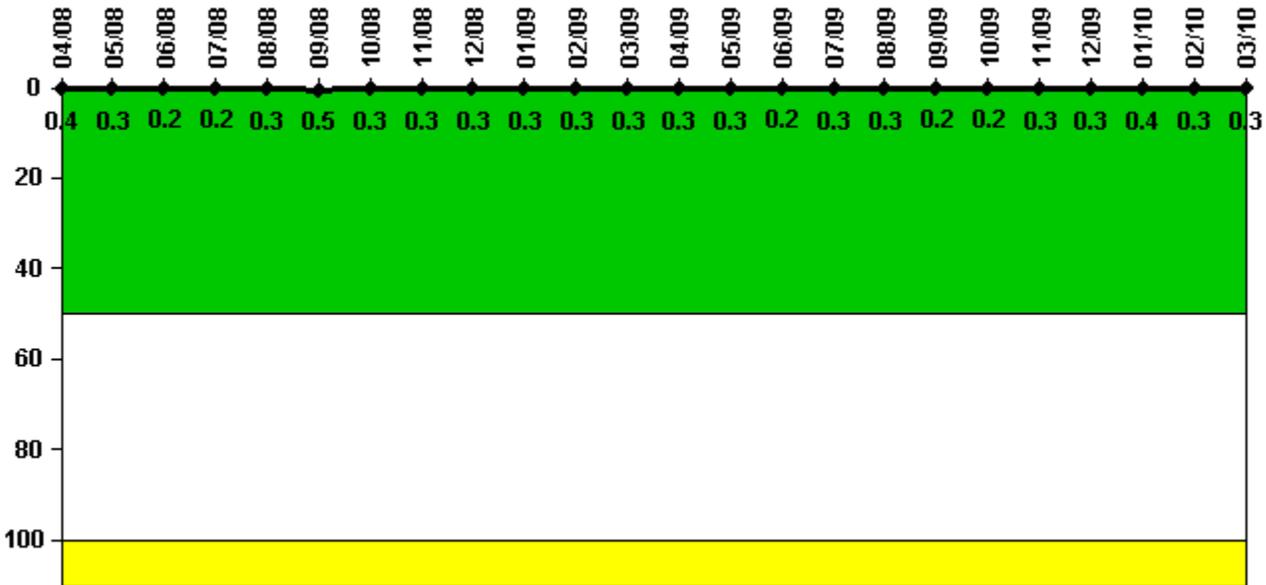
Notes

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
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Maximum activity	0.014900	0.022600	0.018500	0.009950	0.012100	0.020400	0.010400	0.003600	0.078600	0.035500	0.027900	0.056800
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	1.5	2.3	1.9	1.0	1.2	2.0	1.0	0.4	7.9	3.6	2.8	5.7
Reactor Coolant System Activity	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	0.048000	0.020600	0.022500	0.023000	0.030000	0.015000	0.012000	0.011700	0.012300	0.012600	0.012800	0.013600
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	4.8	2.1	2.3	2.3	3.0	1.5	1.2	1.2	1.2	1.3	1.3	1.4

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

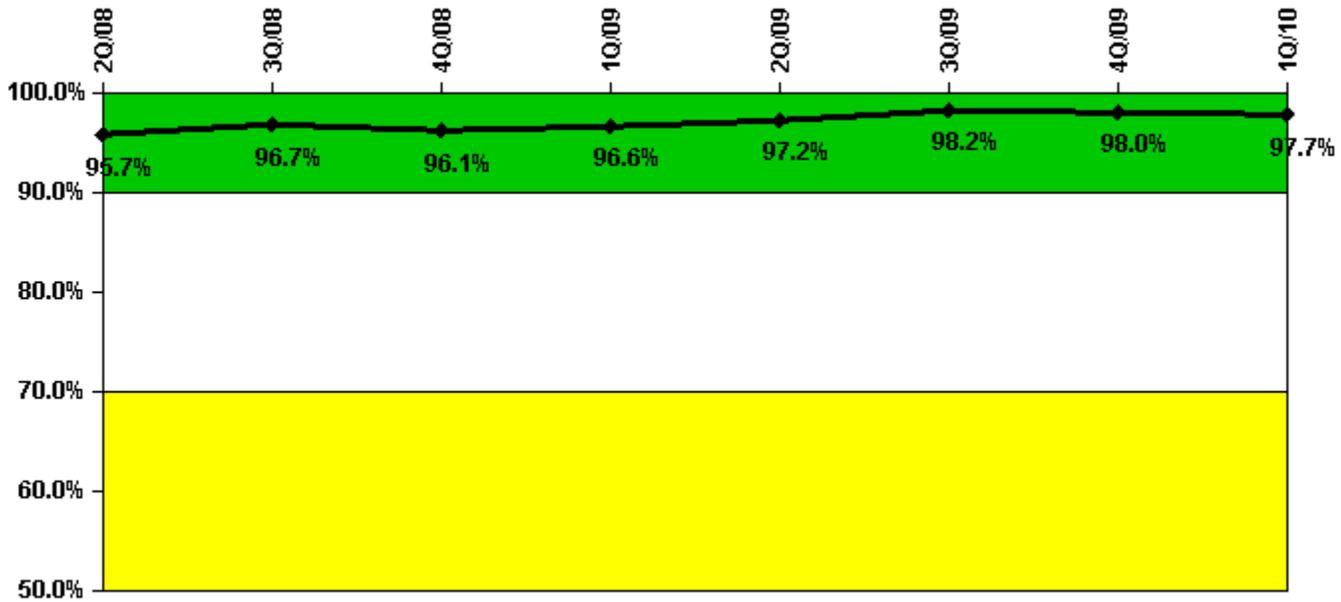
Notes

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	0.036	0.028	0.019	0.015	0.030	0.048	0.026	0.033	0.033	0.026	0.031	0.026
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	0.4	0.3	0.2	0.2	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3

Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.025	0.032	0.024	0.034	0.031	0.023	0.023	0.027	0.032	0.039	0.025	0.031
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	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.4	0.3	0.3

Licensee Comments: none

Drill/Exercise Performance



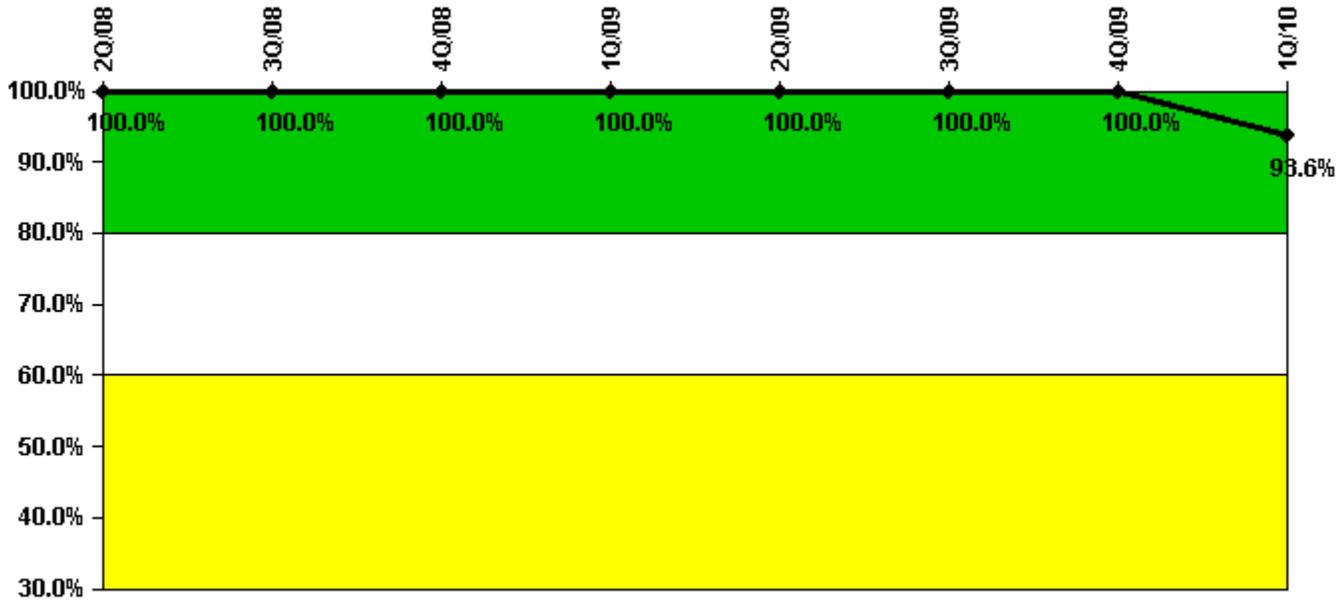
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	64.0	18.0	18.0	58.0	68.0	25.0	45.0	6.0
Total opportunities	66.0	18.0	20.0	58.0	68.0	26.0	47.0	6.0
Indicator value	95.7%	96.7%	96.1%	96.6%	97.2%	98.2%	98.0%	97.7%

Licensee Comments: none

ERO Drill Participation



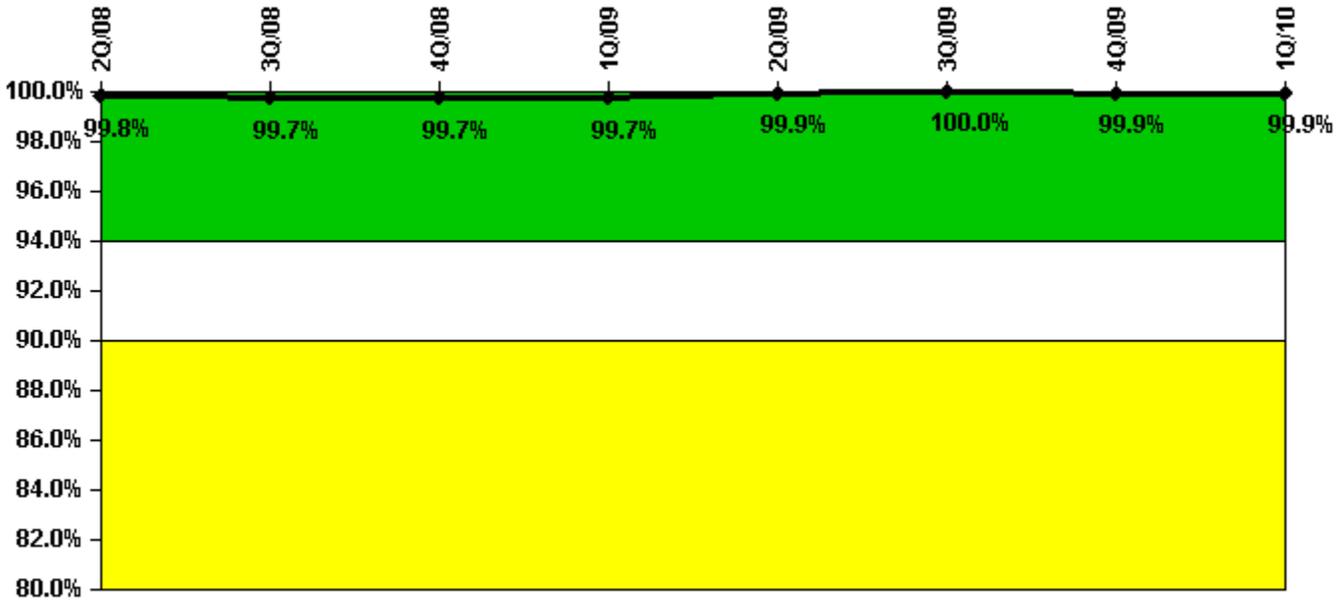
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	112.0	103.0	100.0	100.0	103.0	106.0	105.0	102.0
Total Key personnel	112.0	103.0	100.0	100.0	103.0	106.0	105.0	109.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	93.6%

Licensee Comments: none

Alert & Notification System



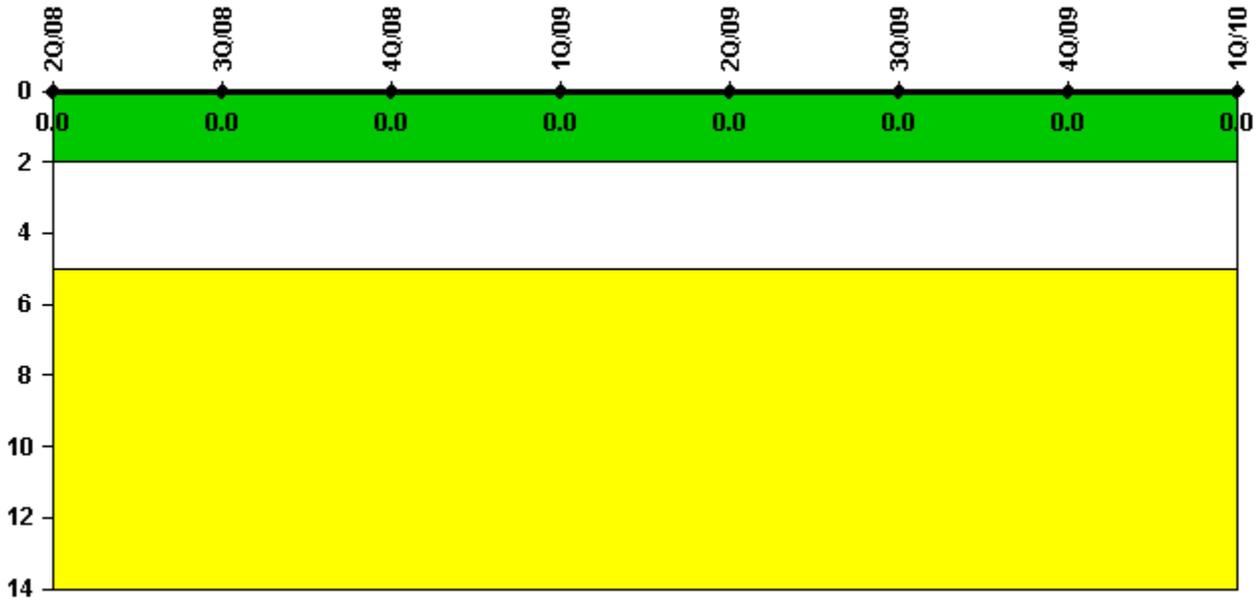
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	374	405	377	377	377	377	376	377
Total sirens-tests	377	406	377	377	377	377	377	377
Indicator value	99.8%	99.7%	99.7%	99.7%	99.9%	100.0%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



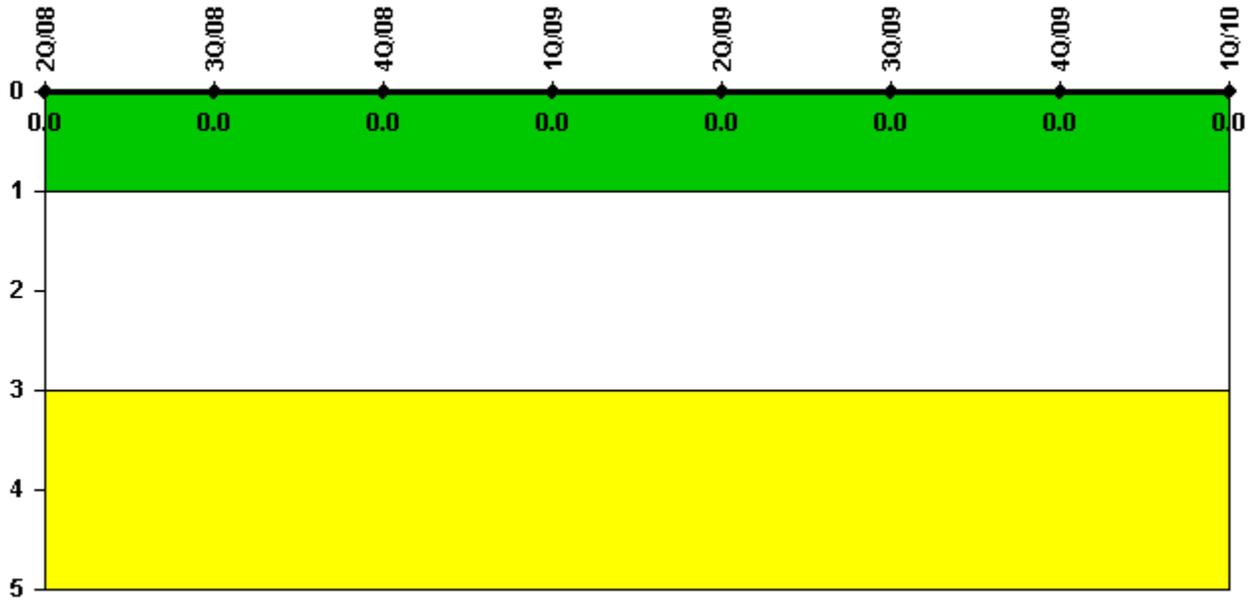
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/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.