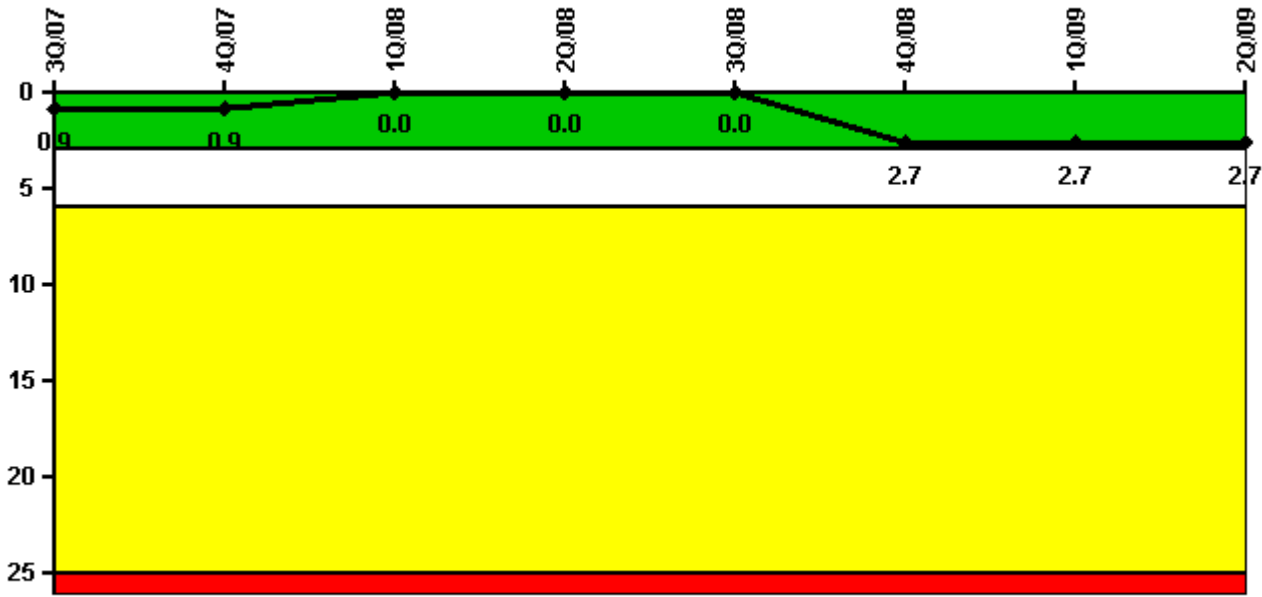


# Callaway

## 2Q/2009 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



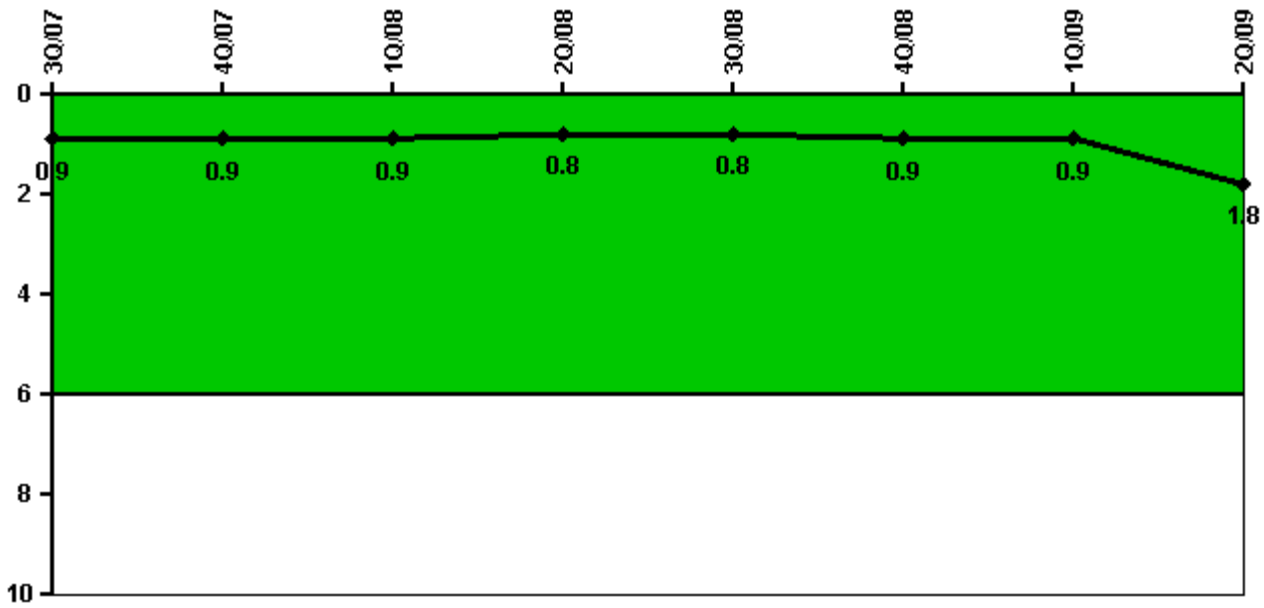
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	0	0	3.0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	1311.6	1950.4	2184.0
Indicator value	0.9	0.9	0	0	0	2.7	2.7	2.7

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

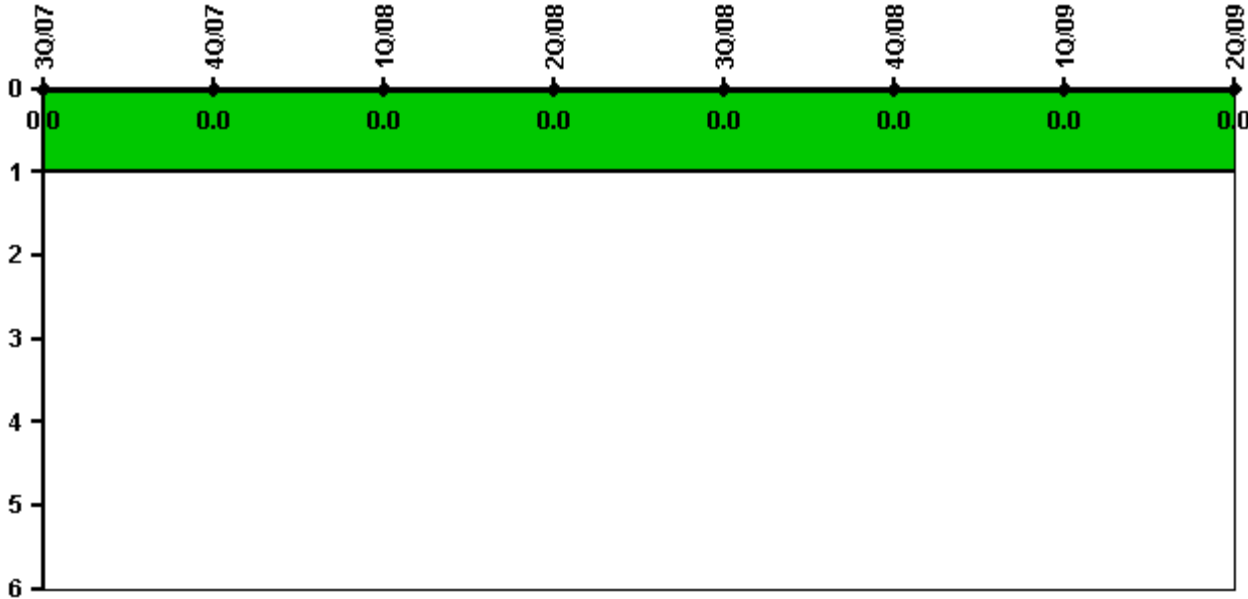
### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	1.0	0	0	0	1.0	1.0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	1311.6	1950.4	2184.0
Indicator value	0.9	0.9	0.9	0.8	0.8	0.9	0.9	1.8

Licensee Comments:

2Q/09: Forced outage due to #1 Turbine Control Valve issue on 4/12/2009.

# Unplanned Scrams with Complications



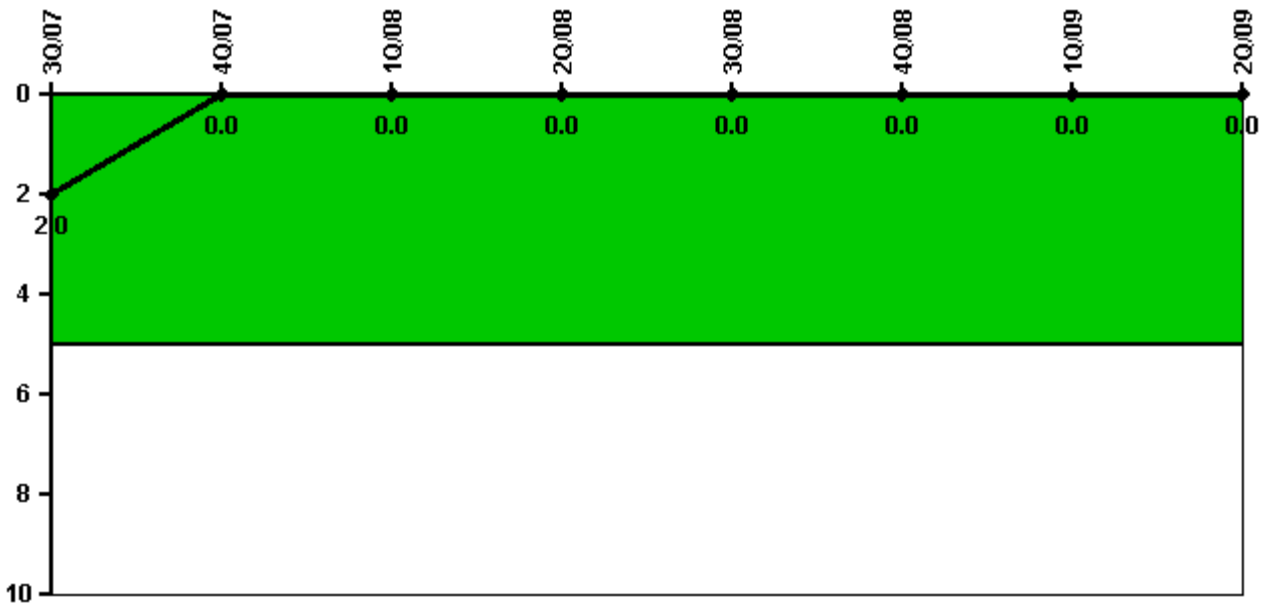
Thresholds: White > 1.0

**Notes**

Unplanned Scrams with Complications	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/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	0.0

Licensee Comments: none

## Safety System Functional Failures (PWR)



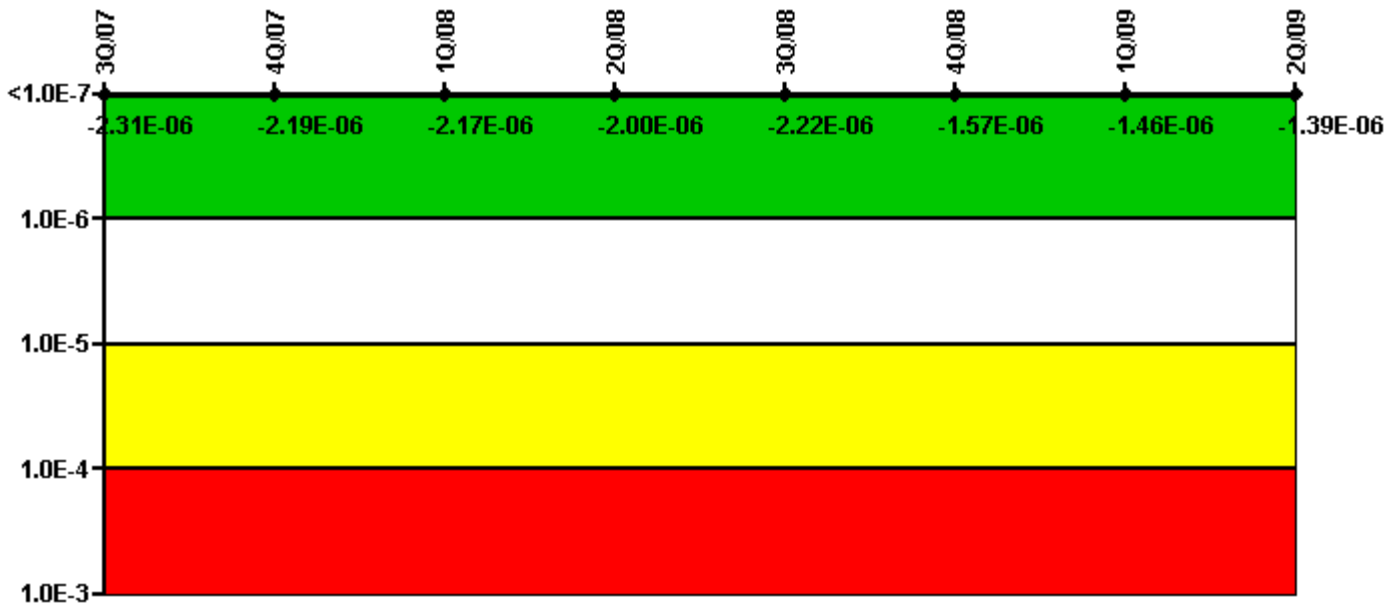
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	2	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

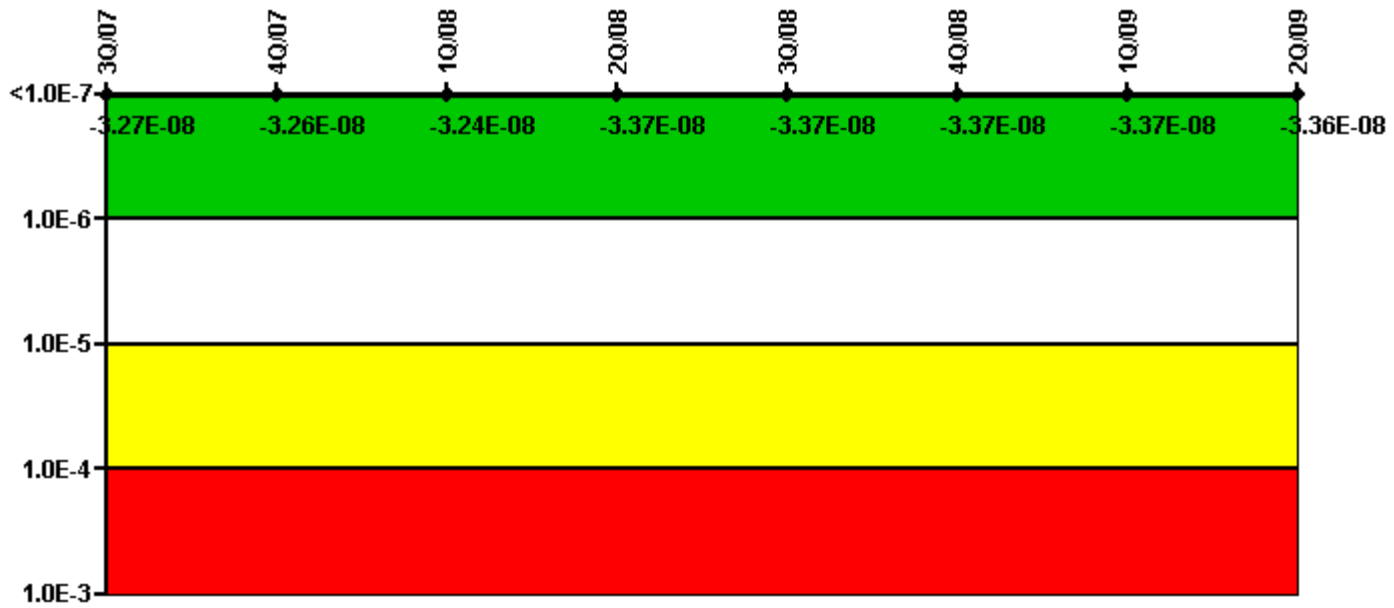
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	3.90E-07	5.10E-07	5.30E-07	7.00E-07	4.80E-07	6.30E-07	7.40E-07	8.10E-07
URI (ΔCDF)	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.20E-06	-2.20E-06	-2.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.31E-06	-2.19E-06	-2.17E-06	-2.00E-06	-2.22E-06	-1.57E-06	-1.46E-06	-1.39E-06

Licensee Comments:

2Q/09: Risk Cap Invoked.

# Mitigating Systems Performance Index, High Pressure Injection System



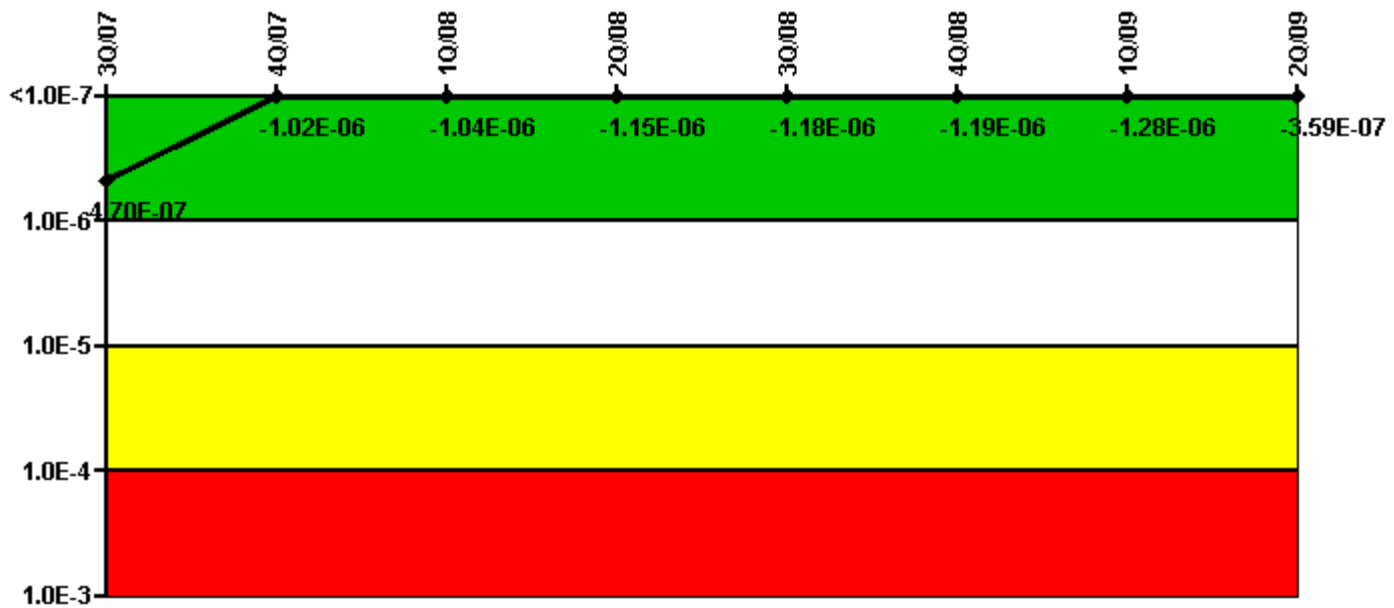
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-4.70E-09	-4.60E-09	-4.40E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.60E-09
URI (ΔCDF)	-2.80E-08	-2.80E-08	-2.80E-08	-2.90E-08	-2.90E-08	-2.90E-08	-2.90E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.27E-08	-3.26E-08	-3.24E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.37E-08	-3.36E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



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

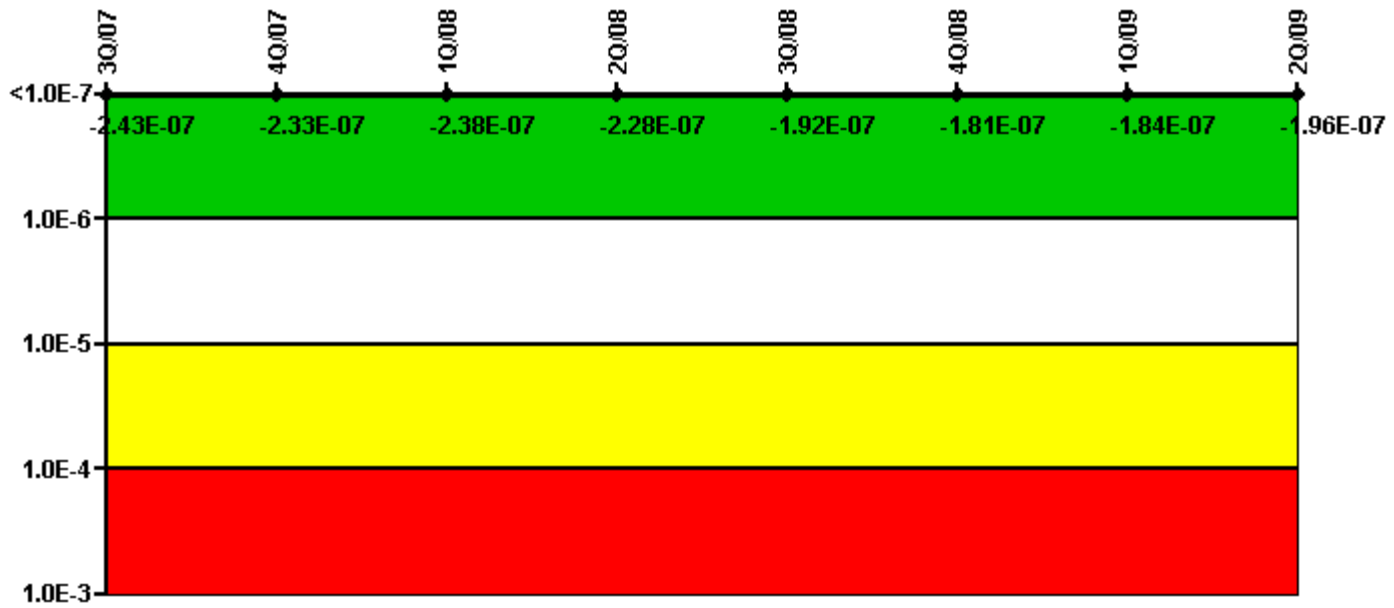
## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI ( $\Delta$ CDF)	1.70E-07	-1.90E-08	6.00E-08	-5.00E-08	-8.40E-08	-8.50E-08	-8.00E-08	-2.90E-08
URI ( $\Delta$ CDF)	3.00E-07	-1.00E-06	-1.10E-06	-1.10E-06	-1.10E-06	-1.10E-06	-1.20E-06	-3.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.70E-07	-1.02E-06	-1.04E-06	-1.15E-06	-1.18E-06	-1.19E-06	-1.28E-06	-3.59E-07

Licensee Comments:

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

# Mitigating Systems Performance Index, Residual Heat Removal System



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

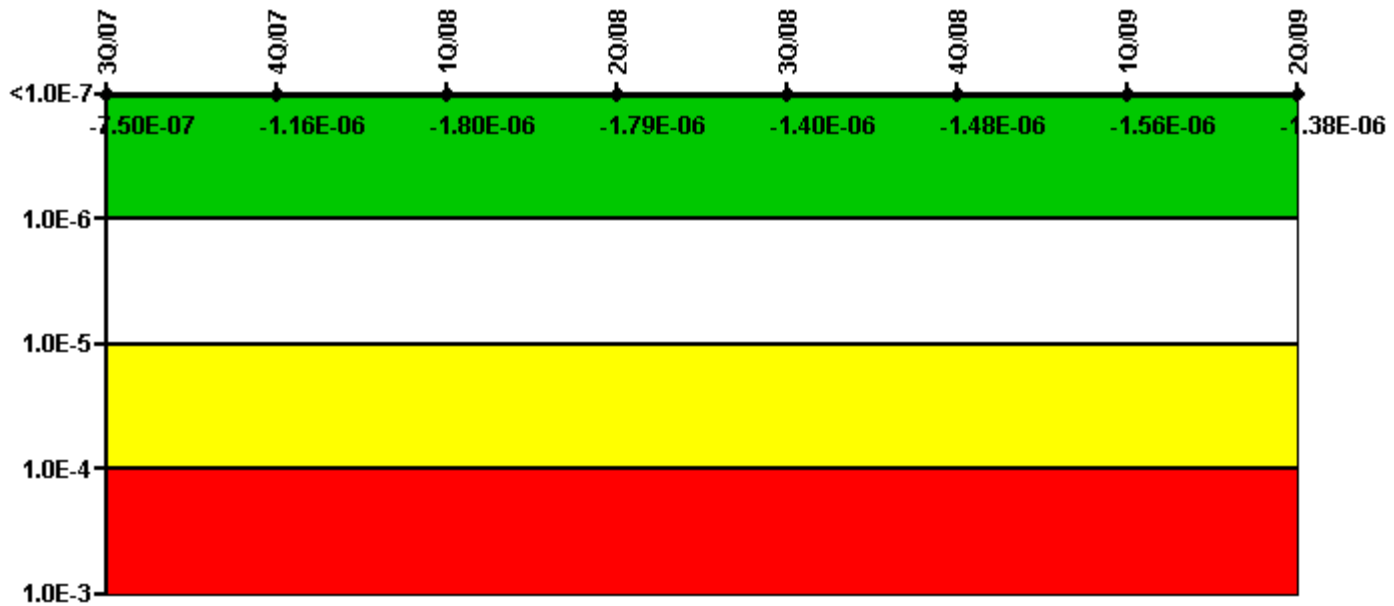
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI ( $\Delta$ CDF)	-2.30E-08	-1.30E-08	-1.80E-08	-1.80E-08	1.80E-08	2.90E-08	2.60E-08	1.40E-08
URI ( $\Delta$ CDF)	-2.20E-07	-2.20E-07	-2.20E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.43E-07	-2.33E-07	-2.38E-07	-2.28E-07	-1.92E-07	-1.81E-07	-1.84E-07	-1.96E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



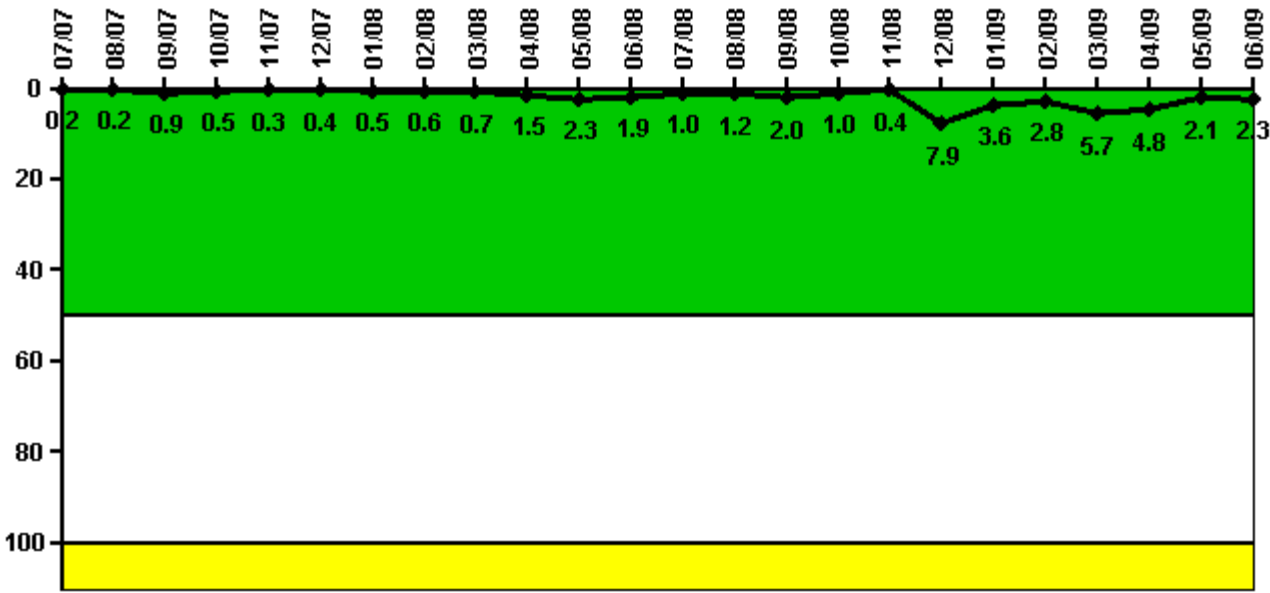
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI ( $\Delta$ CDF)	3.50E-07	-6.30E-08	-6.00E-07	-5.90E-07	-2.00E-07	-2.80E-07	-3.60E-07	-1.80E-07
URI ( $\Delta$ CDF)	-1.10E-06	-1.10E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06	-1.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.50E-07	-1.16E-06	-1.80E-06	-1.79E-06	-1.40E-06	-1.48E-06	-1.56E-06	-1.38E-06

Licensee Comments: none

## Reactor Coolant System Activity



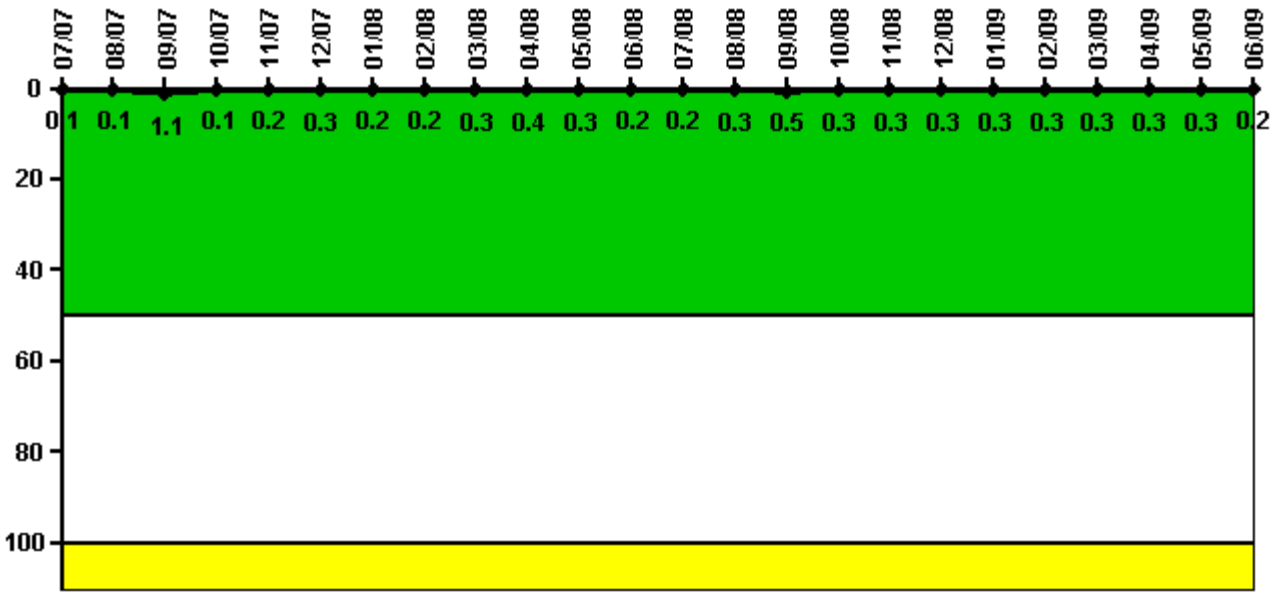
Thresholds: White > 50.0 Yellow > 100.0

### Notes

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
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	0.009950	0.012100	0.020400	0.010400	0.003600	0.078600	0.035500	0.027900	0.056800	0.048000	0.020600	0.022500
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	1.0	1.2	2.0	1.0	0.4	7.9	3.6	2.8	5.7	4.8	2.1	2.3

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

### Notes

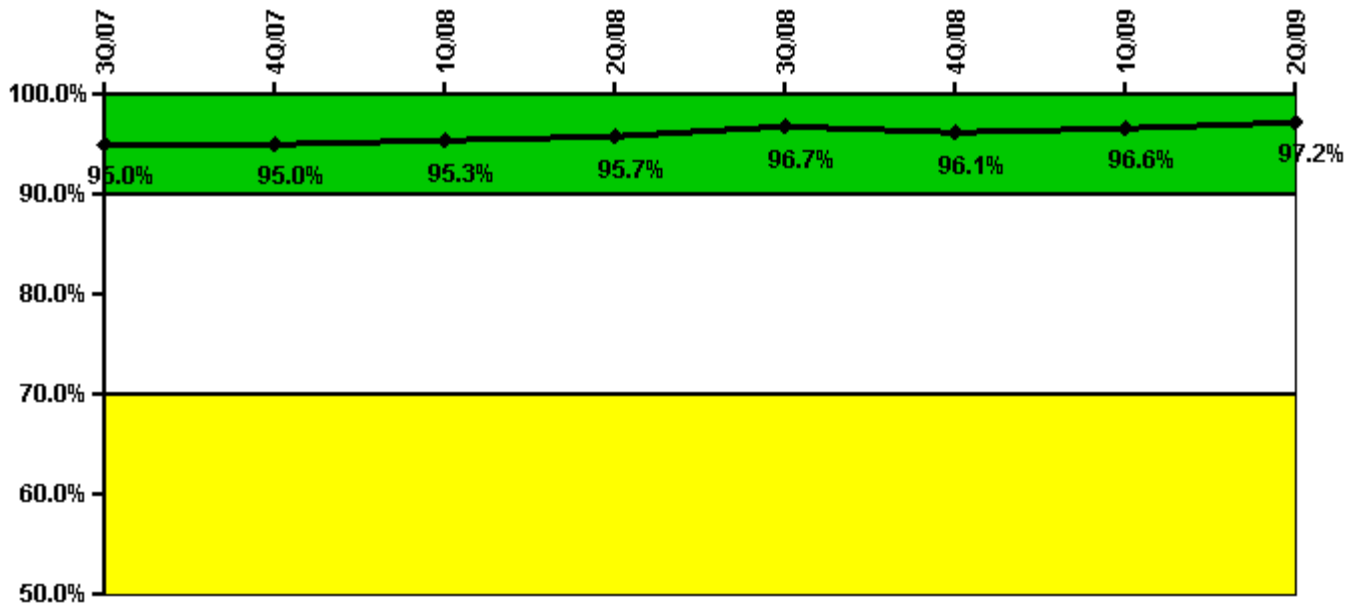
Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0.013	0.013	0.105	0.007	0.018	0.025	0.019	0.021	0.027	0.036	0.028	0.019
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.1	0.1	1.1	0.1	0.2	0.3	0.2	0.2	0.3	0.4	0.3	0.2

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	0.015	0.030	0.048	0.026	0.033	0.033	0.026	0.031	0.026	0.025	0.032	0.024
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	0.2	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

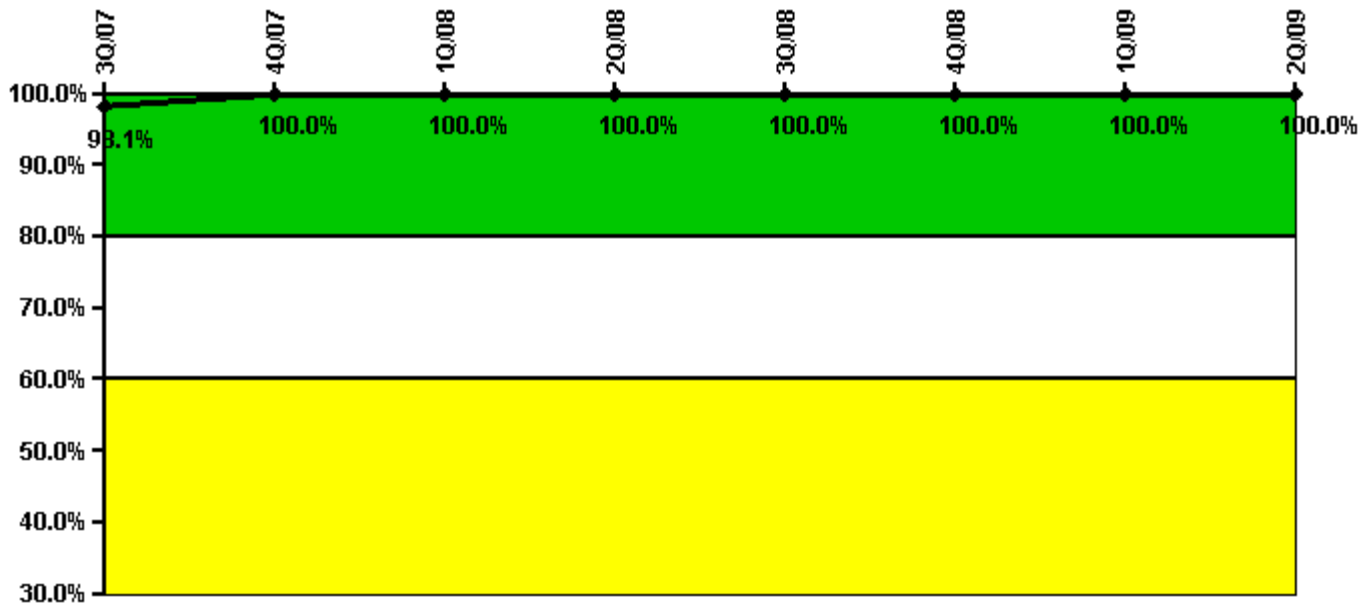
### Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	46.0	17.0	52.0	64.0	18.0	18.0	58.0	68.0
Total opportunities	51.0	18.0	52.0	66.0	18.0	20.0	58.0	68.0
Indicator value	95.0%	95.0%	95.3%	95.7%	96.7%	96.1%	96.6%	97.2%

Licensee Comments:

3Q/08: This data was reviewed and recounted. The totals should only reflect 18 out of 18 DEP opportunities. It is being resubmitted to reflect the actual numbers.

## ERO Drill Participation



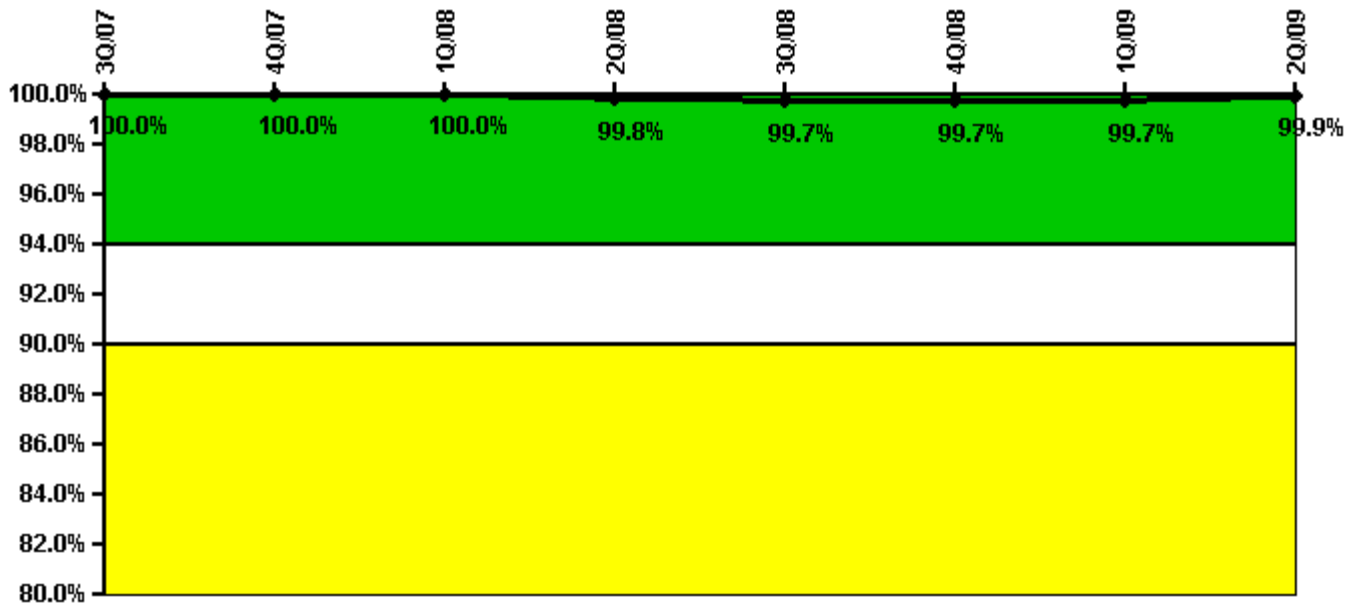
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	102.0	107.0	100.0	112.0	103.0	100.0	100.0	101.0
Total Key personnel	104.0	107.0	100.0	112.0	103.0	100.0	100.0	101.0
Indicator value	98.1%	100.0%	100.0%	100.0%	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/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	377	377	377	374	405	377	377	377
Total sirens-tests	377	377	377	377	406	377	377	377
Indicator value	100.0%	100.0%	100.0%	99.8%	99.7%	99.7%	99.7%	99.9%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

### Notes

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