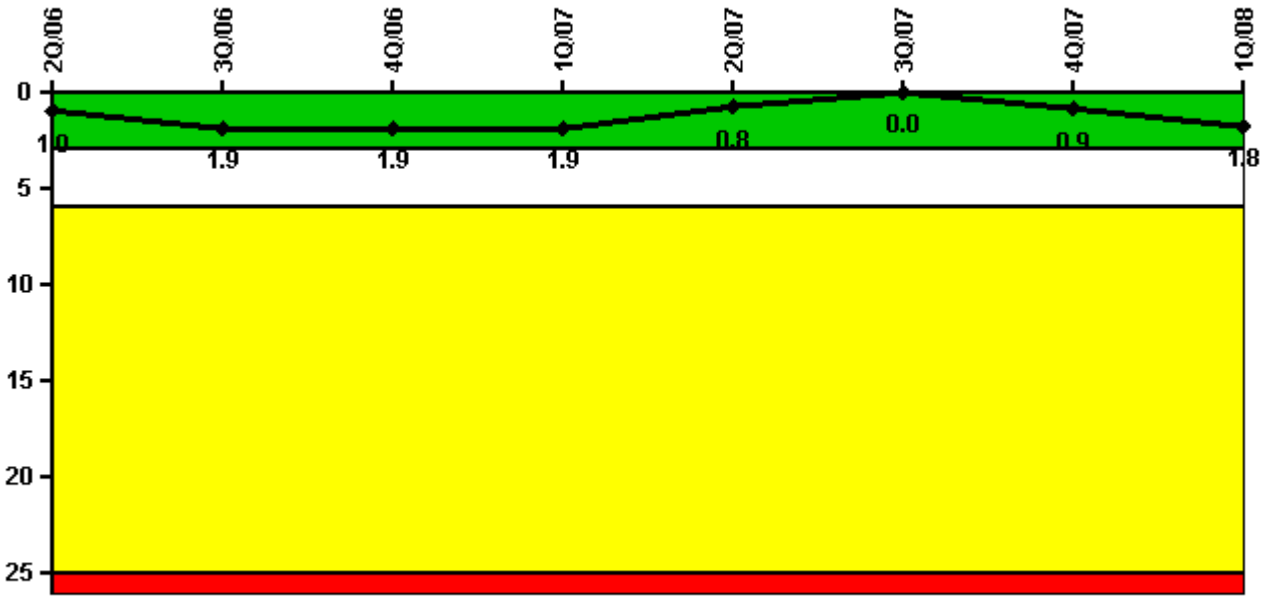


# Fermi 2

## 1Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



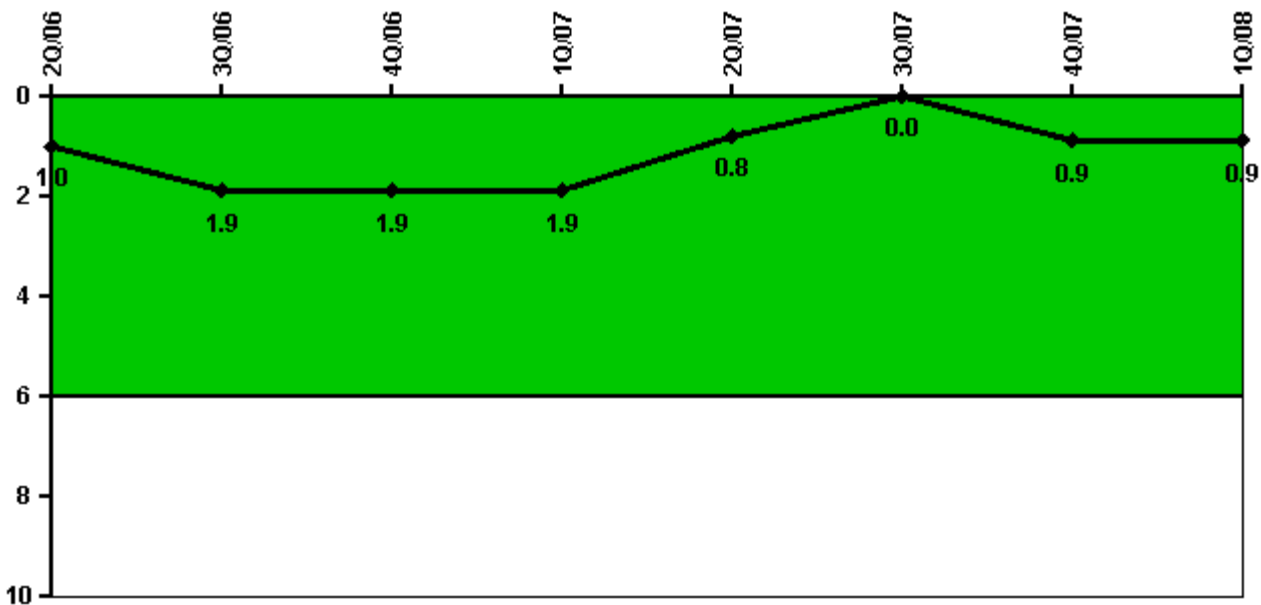
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	1.0	1.0	0	0	0	0	1.0	1.0
Critical hours	1145.3	1897.2	2209.0	2159.0	2184.0	2164.0	1122.9	2135.3
Indicator value	1.0	1.9	1.9	1.9	0.8	0	0.9	1.8

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	1.0	1.0	0	0	0	0	1.0	0
Critical hours	1145.3	1897.2	2209.0	2159.0	2184.0	2164.0	1122.9	2135.3
Indicator value	1.0	1.9	1.9	1.9	0.8	0	0.9	0.9

Licensee Comments:

4Q/07: After further evaluation, determined that the 11/25/2007 downpower met reporting criteria for a planned event. Qtr 4 data updated accordingly.

# Unplanned Scrams with Complications



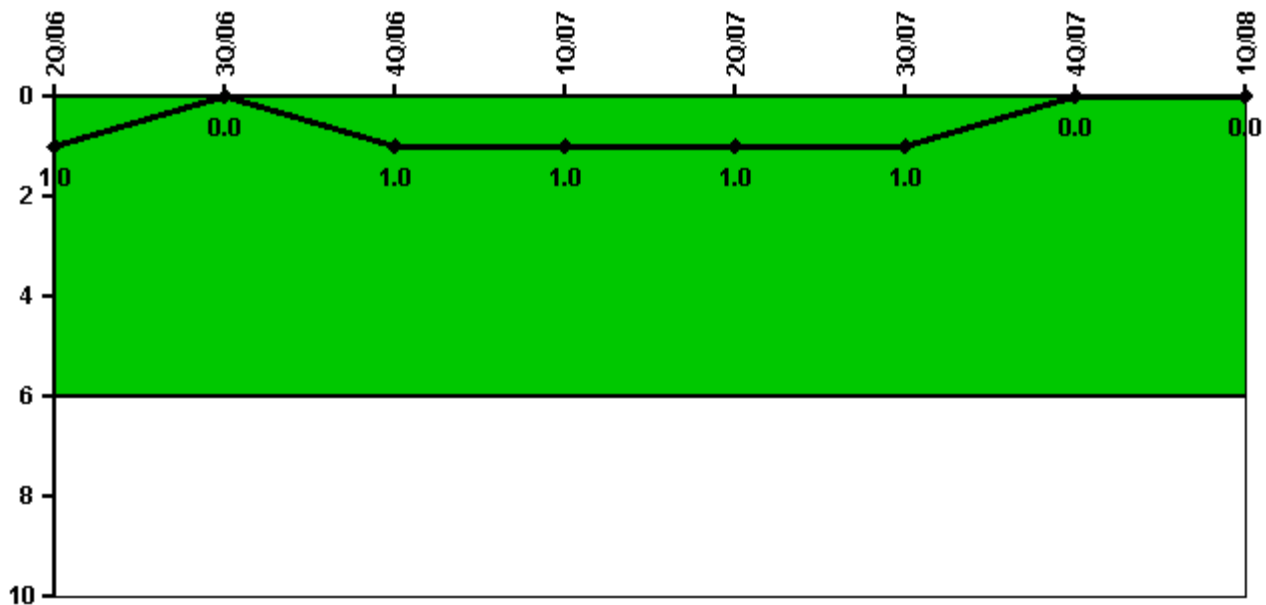
Thresholds: White > 1.0

## Notes

Unplanned Scrams with Complications	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Scrams with complications			0	0	0	0	0	0
Indicator value						0.0	0.0	0.0

Licensee Comments: none

# Safety System Functional Failures (BWR)



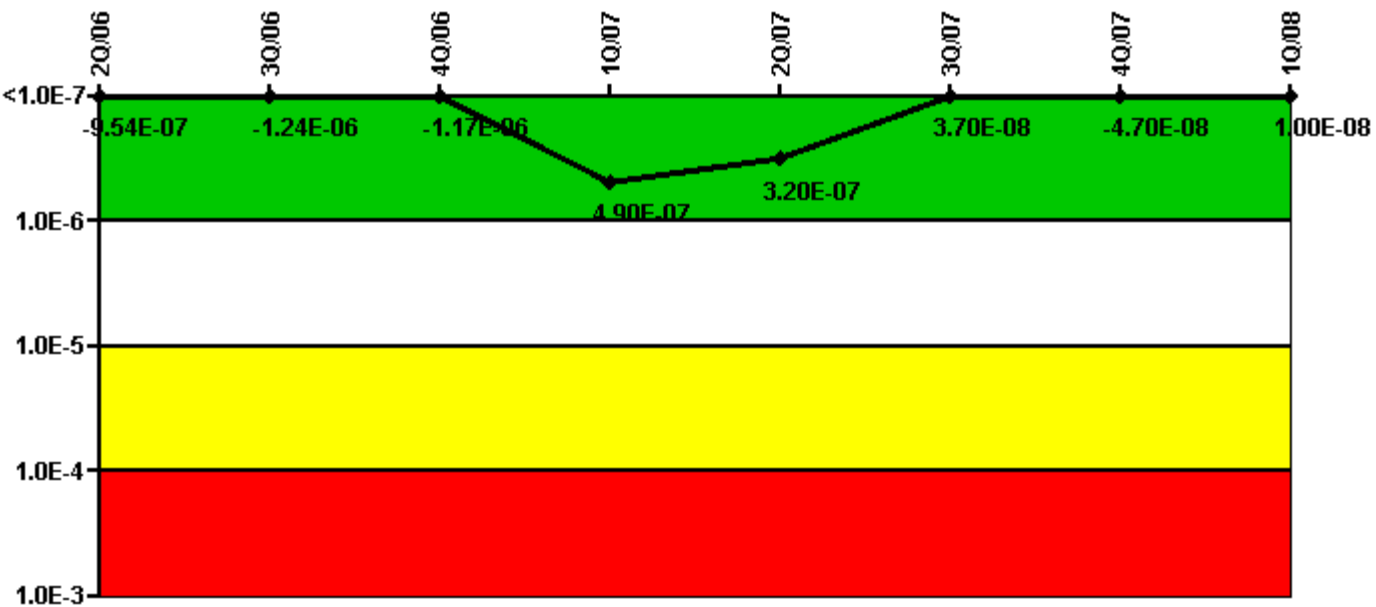
Thresholds: White > 6.0

## Notes

Safety System Functional Failures (BWR)	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	1	0	1	1	1	1	0	0

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



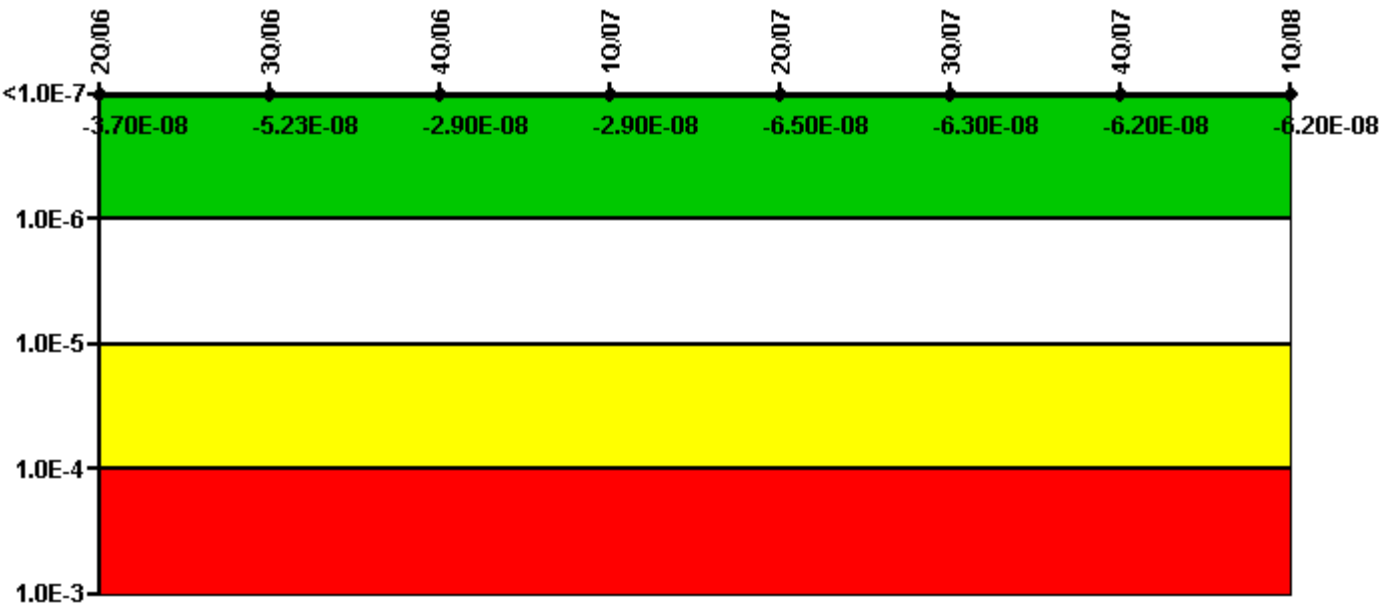
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	3.60E-08	5.60E-08	1.30E-07	1.60E-07	1.70E-07	1.30E-07	9.30E-08	1.50E-07
URI (ΔCDF)	-9.90E-07	-1.30E-06	-1.30E-06	3.30E-07	1.50E-07	-9.30E-08	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.54E-07	-1.24E-06	-1.17E-06	4.90E-07	3.20E-07	3.70E-08	-4.70E-08	1.00E-08

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



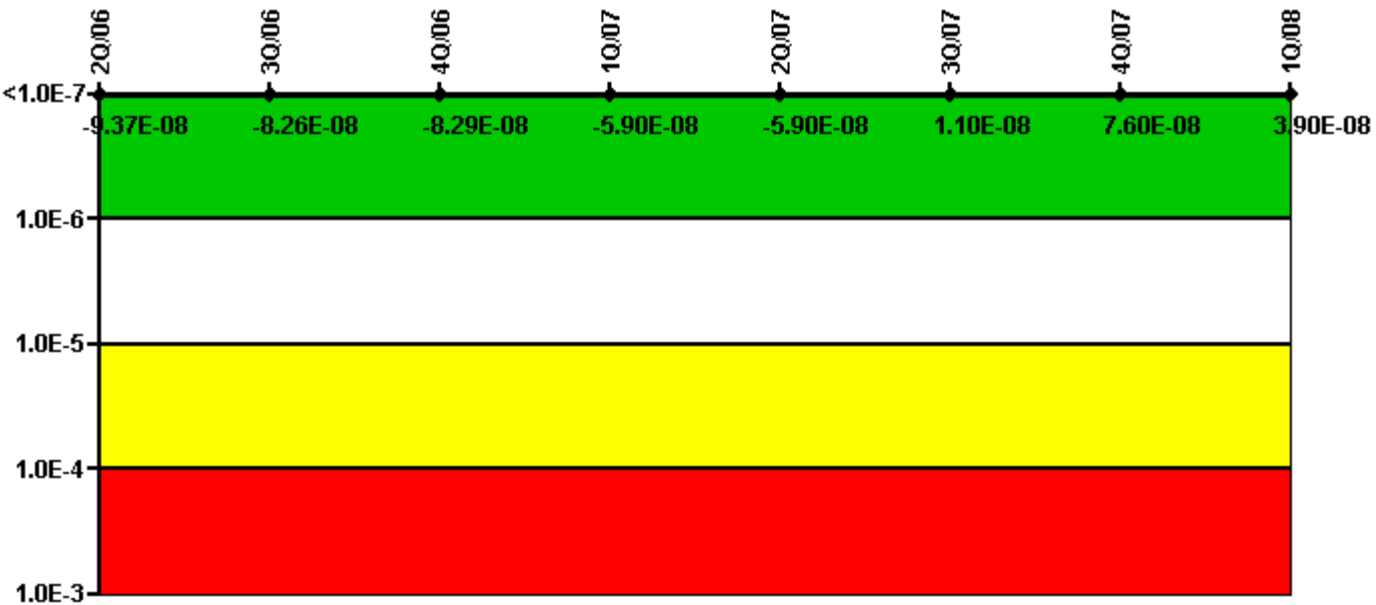
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	1.40E-08	-2.30E-09	2.20E-08	2.20E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
URI ( $\Delta$ CDF)	-5.10E-08	-5.00E-08	-5.10E-08	-5.10E-08	-5.00E-08	-4.80E-08	-4.70E-08	-4.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.70E-08	-5.23E-08	-2.90E-08	-2.90E-08	-6.50E-08	-6.30E-08	-6.20E-08	-6.20E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



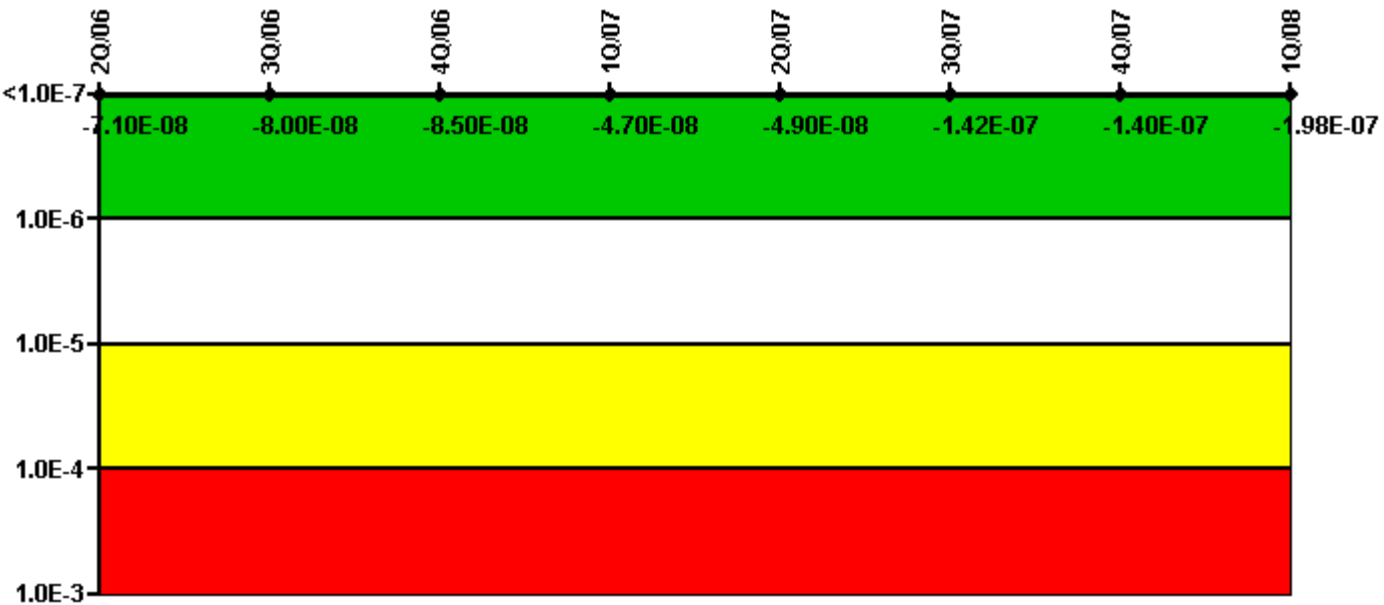
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	-6.70E-09	-6.60E-09	-7.90E-09	1.70E-08	1.70E-08	9.30E-08	1.60E-07	1.20E-07
URI ( $\Delta$ CDF)	-8.70E-08	-7.60E-08	-7.50E-08	-7.60E-08	-7.60E-08	-8.20E-08	-8.40E-08	-8.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.37E-08	-8.26E-08	-8.29E-08	-5.90E-08	-5.90E-08	1.10E-08	7.60E-08	3.90E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



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

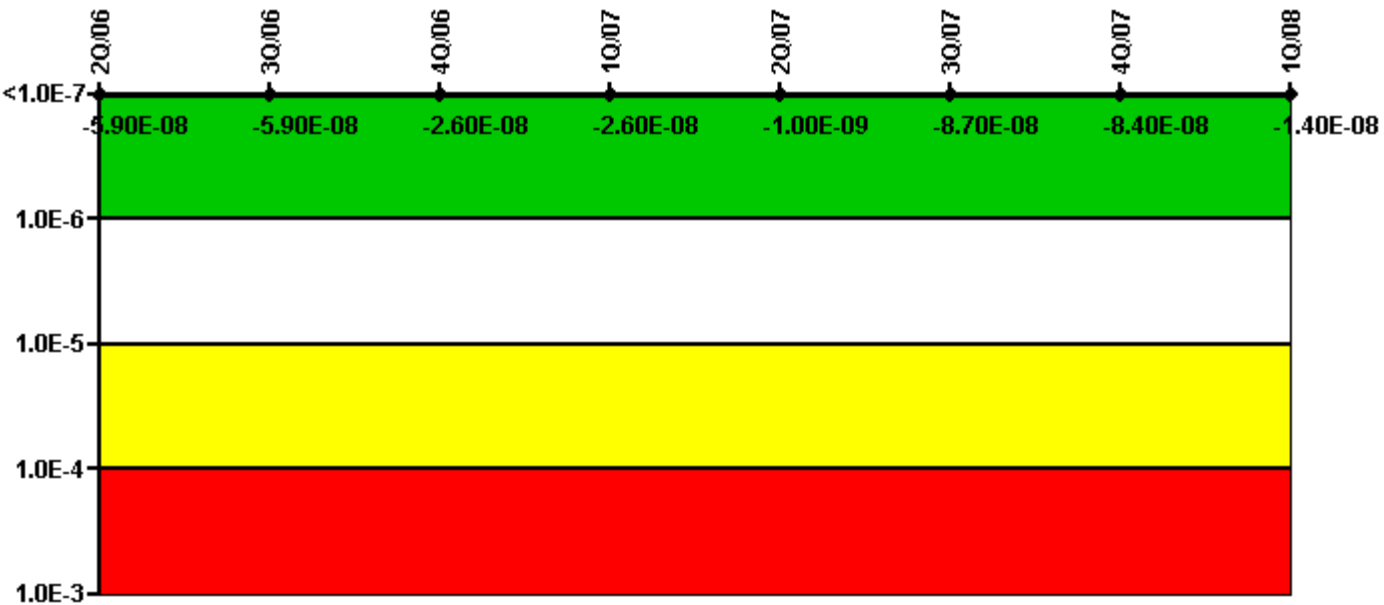
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	4.90E-08	4.00E-08	3.50E-08	7.30E-08	7.10E-08	2.80E-08	3.00E-08	3.20E-08
URI ( $\Delta$ CDF)	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.70E-07	-1.70E-07	-2.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.10E-08	-8.00E-08	-8.50E-08	-4.70E-08	-4.90E-08	-1.42E-07	-1.40E-07	-1.98E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



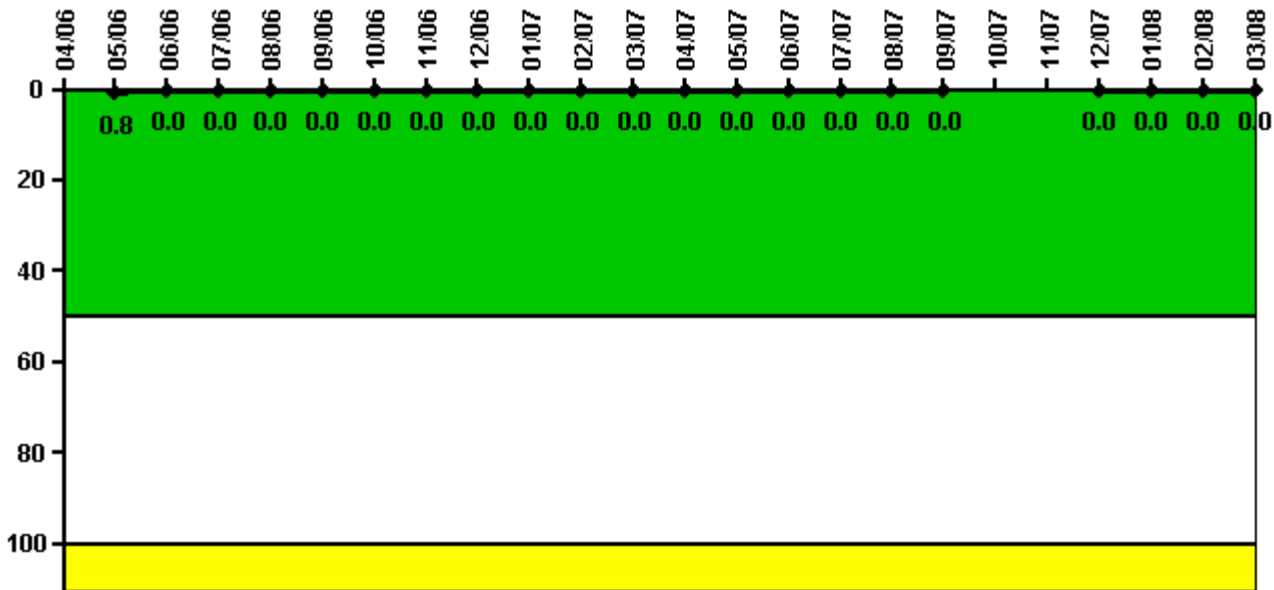
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	4.10E-08	4.10E-08	7.40E-08	7.40E-08	9.90E-08	1.30E-08	1.60E-08	8.60E-08
URI ( $\Delta$ CDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.90E-08	-5.90E-08	-2.60E-08	-2.60E-08	-1.00E-09	-8.70E-08	-8.40E-08	-1.40E-08

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

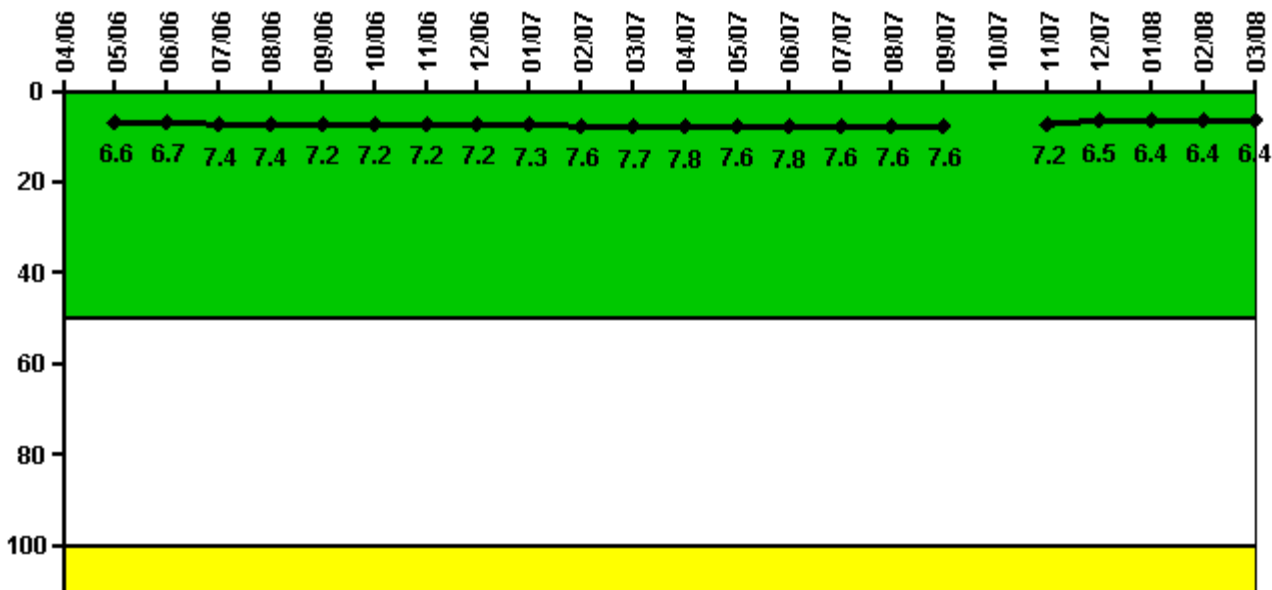
Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	N/A	0.001650	0.000040	0.000034	0.000039	0.000031	0.000032	0.000051	0.000031	0.000032	0.000046	0.000050
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	N/A	0.8	0	0	0	0	0	0	0	0	0	0

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	0.000060	0.000049	0.000047	0.000051	0.000074	0.000068	N/A	N/A	0.000047	0.000056	0.000040	0.000046
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	0	0	0	0	0	0	N/A	N/A	0	0	0	0

Licensee Comments: none

# Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

## Notes

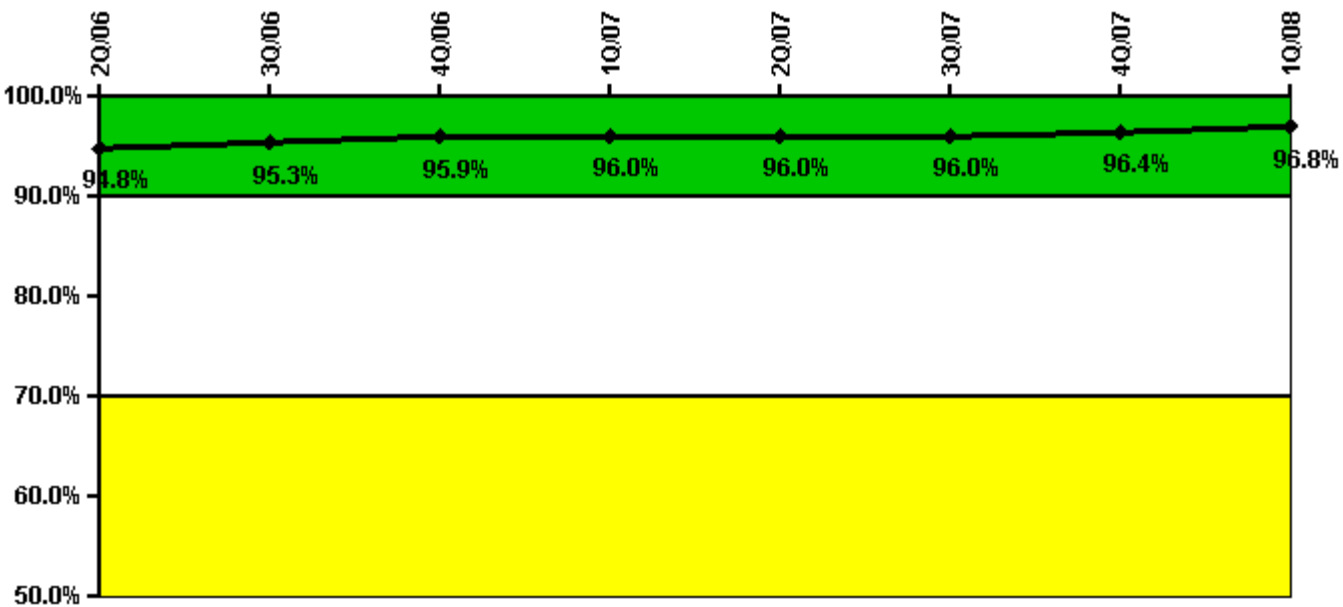
Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	N/A	1.660	1.670	1.840	1.860	1.810	1.800	1.810	1.800	1.820	1.890	1.920
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	N/A	6.6	6.7	7.4	7.4	7.2	7.2	7.2	7.2	7.3	7.6	7.7

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	1.950	1.900	1.940	1.910	1.900	1.910	N/A	1.810	1.620	1.600	1.600	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	7.8	7.6	7.8	7.6	7.6	7.6	N/A	7.2	6.5	6.4	6.4	6.4

Licensee Comments: none

# Drill/Exercise Performance



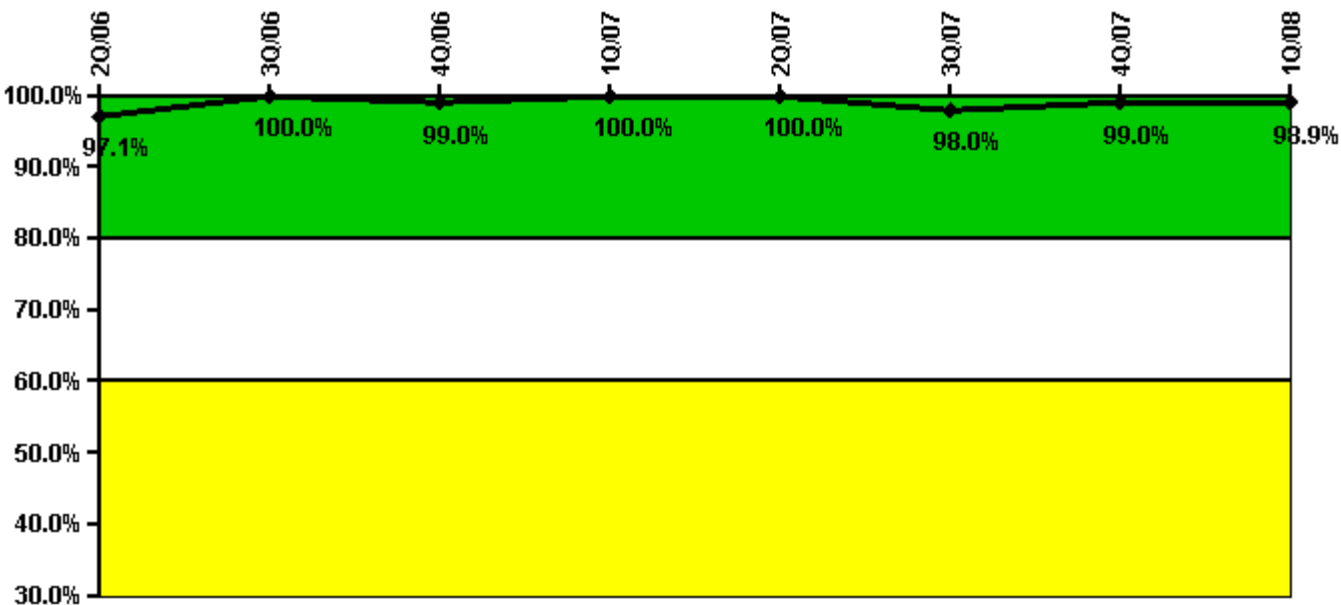
Thresholds: White < 90.0% Yellow < 70.0%

## Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	37.0	60.0	25.0	18.0	25.0	8.0	2.0	6.0
Total opportunities	38.0	62.0	25.0	19.0	25.0	9.0	3.0	6.0
Indicator value	94.8%	95.3%	95.9%	96.0%	96.0%	96.0%	96.4%	96.8%

Licensee Comments: none

# ERO Drill Participation



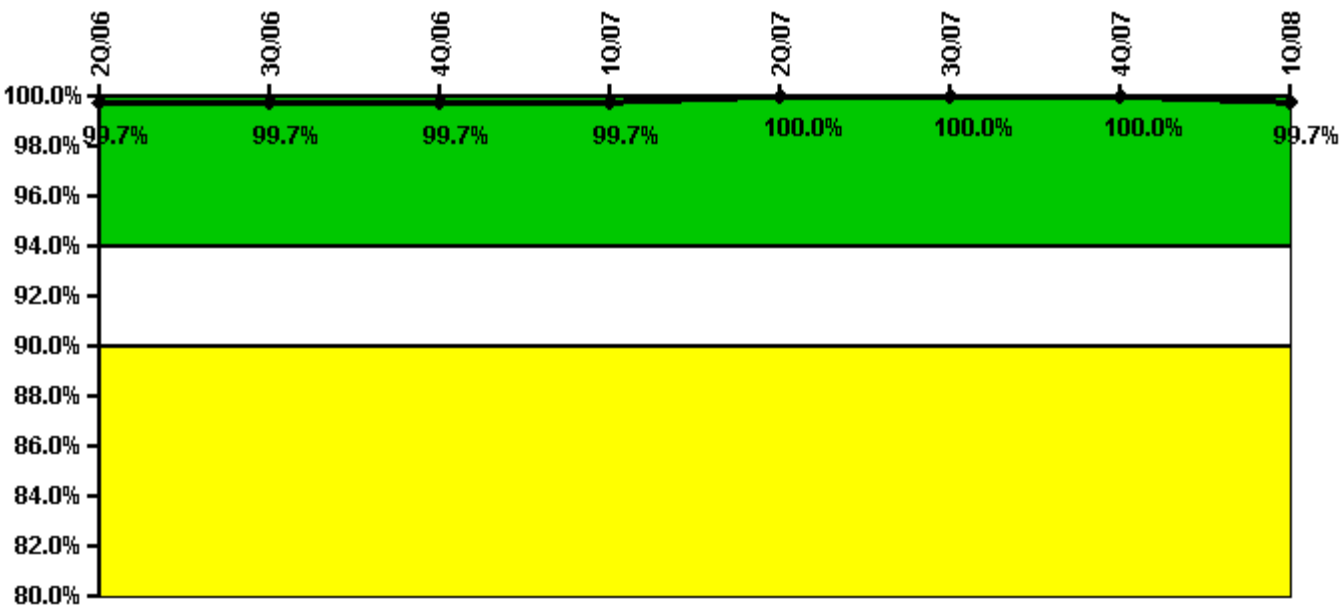
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	102.0	103.0	103.0	106.0	105.0	97.0	95.0	94.0
Total Key personnel	105.0	103.0	104.0	106.0	105.0	99.0	96.0	95.0
Indicator value	97.1%	100.0%	99.0%	100.0%	100.0%	98.0%	99.0%	98.9%

Licensee Comments: none

# Alert & Notification System



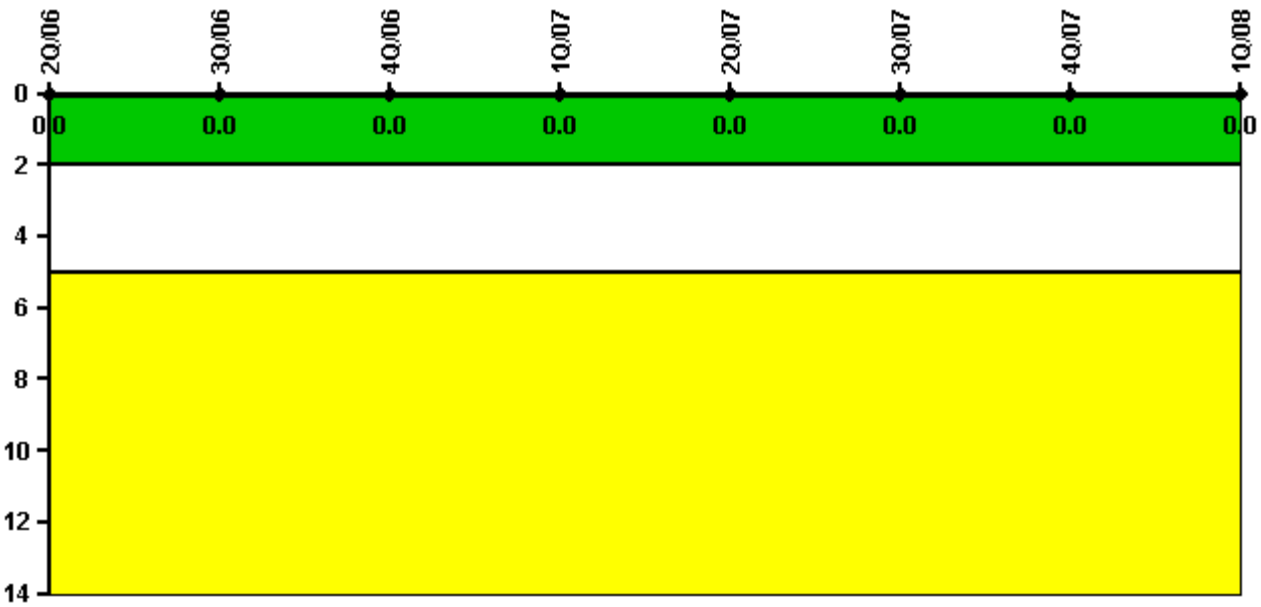
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	184	186	186	186	186	186	186	184
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	99.7%	99.7%	99.7%	99.7%	100.0%	100.0%	100.0%	99.7%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/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	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/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: April 30, 2008