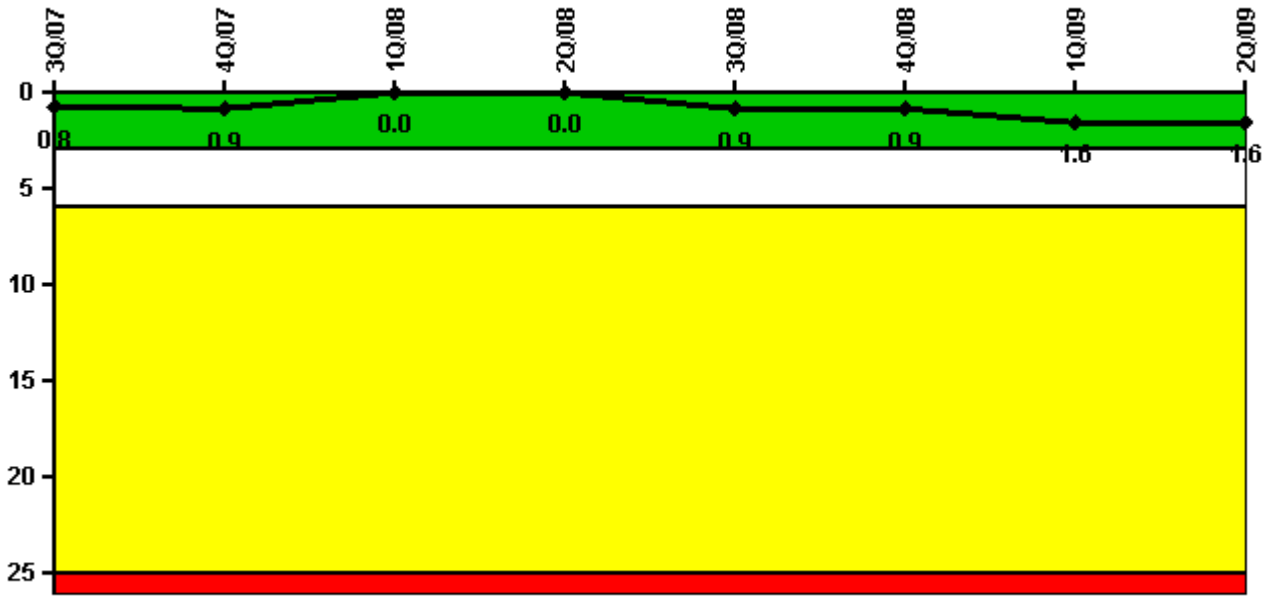


# Crystal River 3

## 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

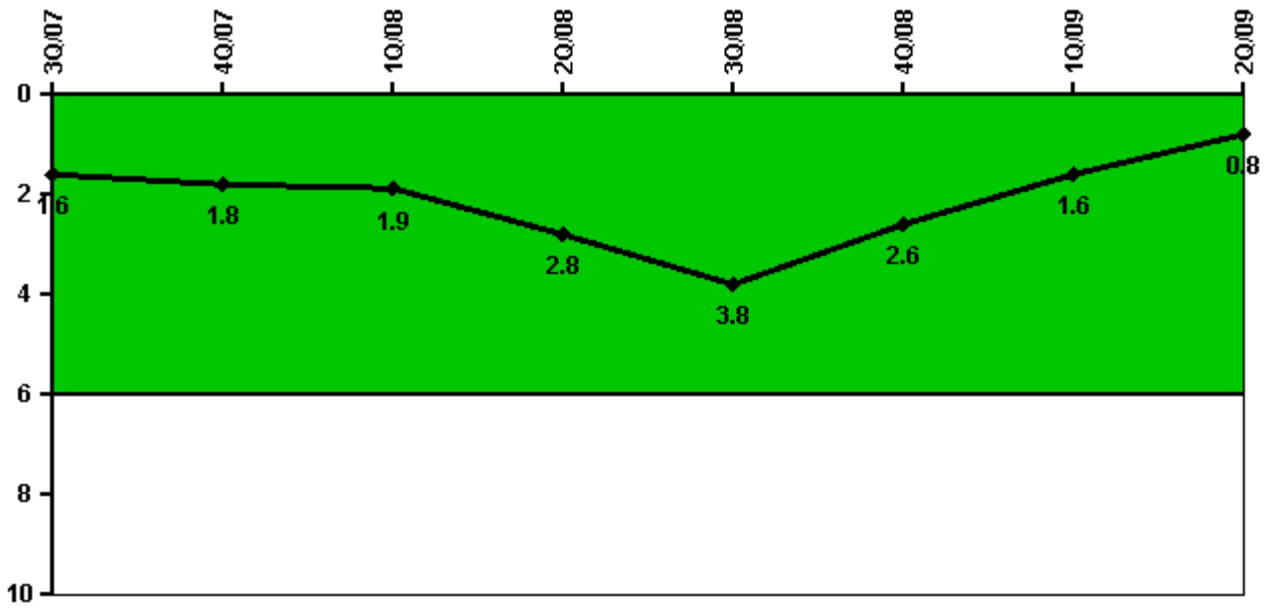
### Notes

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	1.0	0	1.0	0
Critical hours	2208.0	1423.8	1717.7	2184.0	2122.6	2209.0	2106.0	2184.0
Indicator value	0.8	0.9	0	0	0.9	0.9	1.6	1.6

Licensee Comments:

1Q/09: The comment contained in this field for 1Q2009 should have been placed in the 1Q2009 comment field for IE03. The correction is now reflected under IE03 for 1Q2009.

## 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	1.0	1.0	1.0	1.0	0	0	0
Critical hours	2208.0	1423.8	1717.7	2184.0	2122.6	2209.0	2106.0	2184.0
Indicator value	1.6	1.8	1.9	2.8	3.8	2.6	1.6	0.8

Licensee Comments:

1Q/09: Unplanned power reductions should have been 1 instead of 0 for August 2008. This was a NEI 99-02 guidance interpretation error. This change does not affect the color of the performance indicator. (NOTE: This comment was incorrectly placed in the IE01 comment field for the 1Q2009 submittal.)

# Unplanned Scrams with Complications



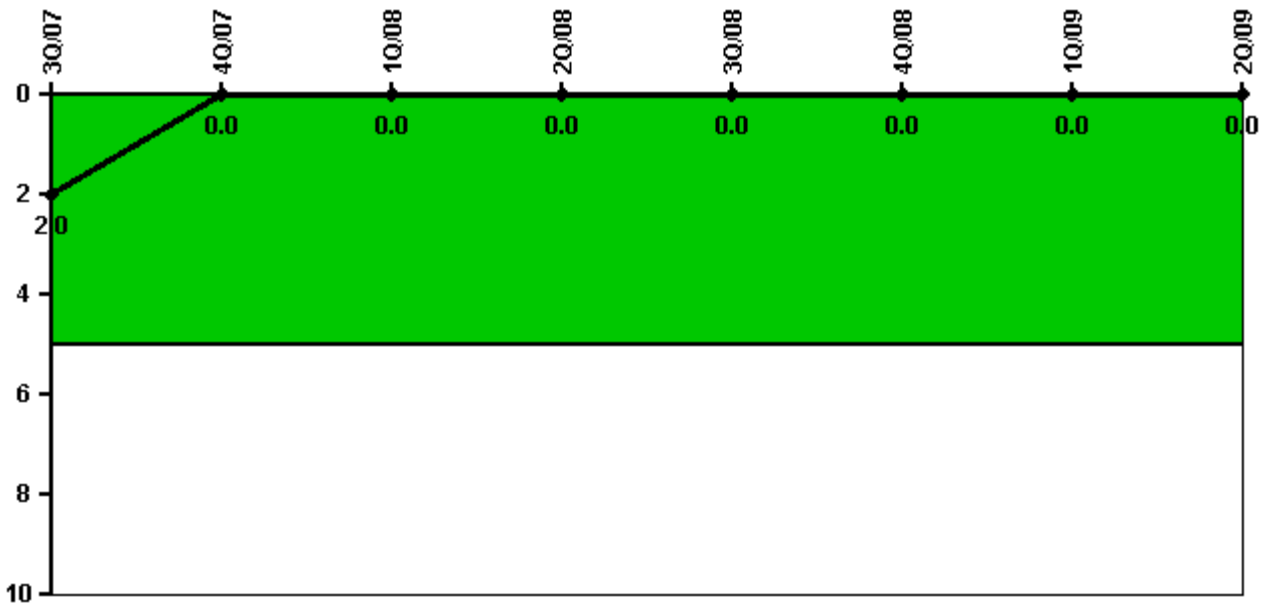
Thresholds: White > 1.0

**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)



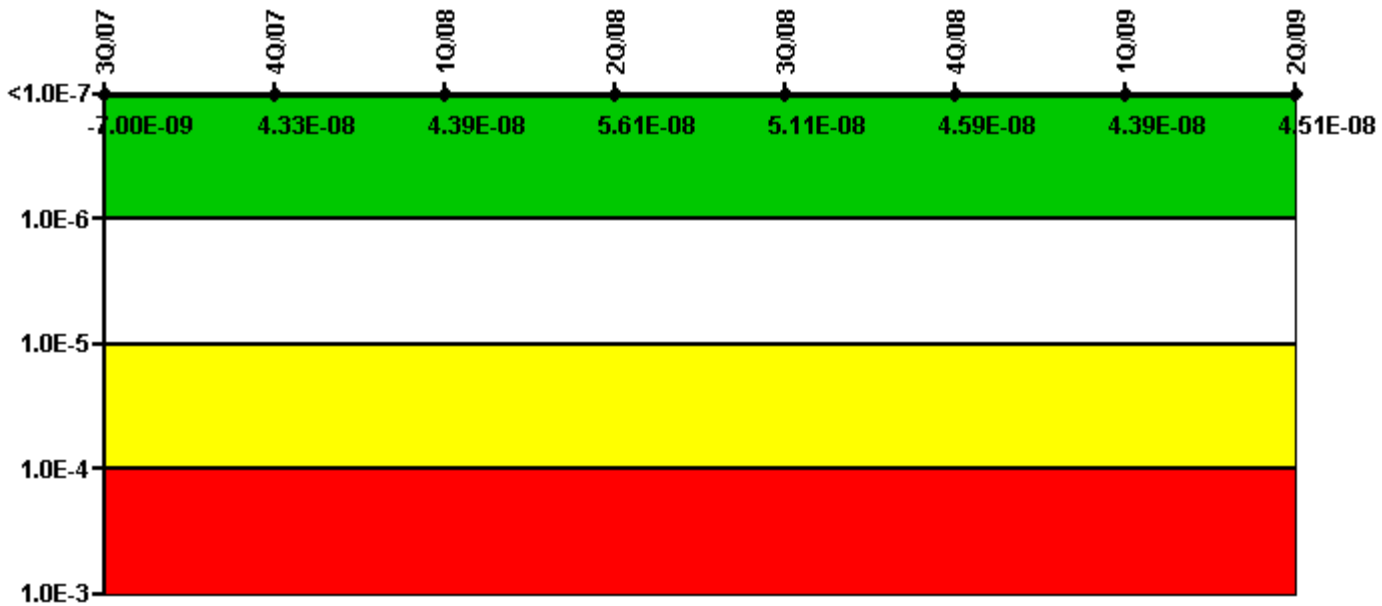
Thresholds: White > 5.0

### 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



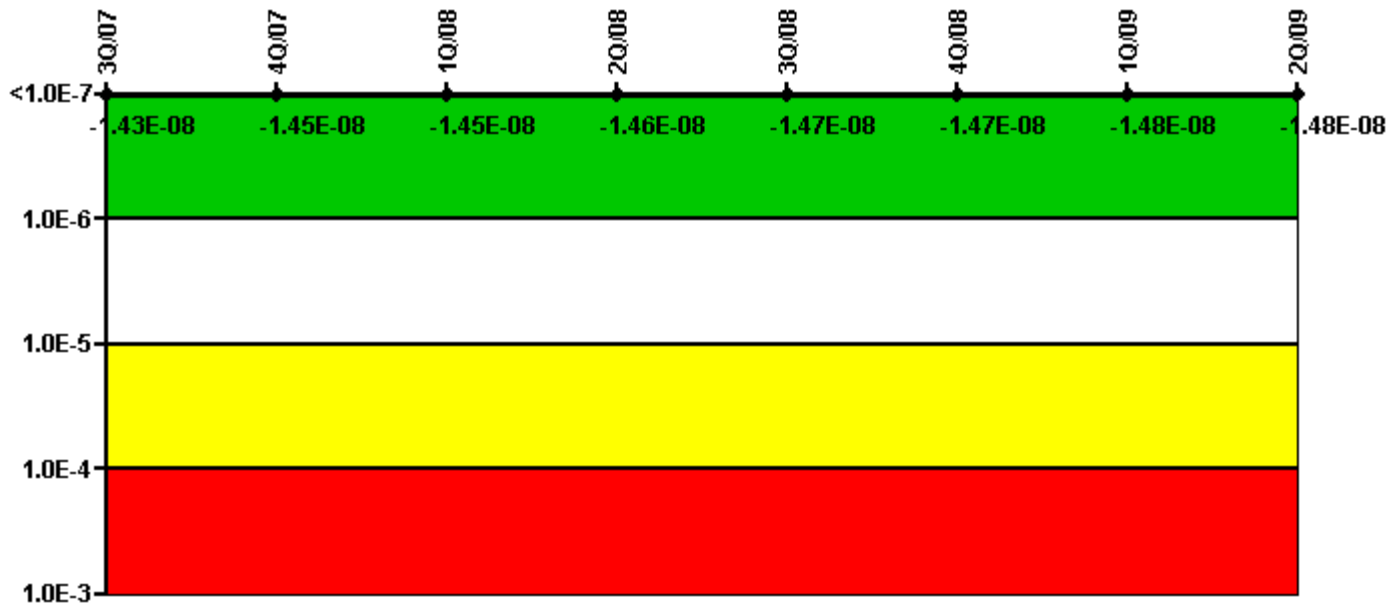
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	-4.80E-09	-4.70E-09	-4.10E-09	8.10E-09	3.10E-09	-3.10E-09	-5.10E-09	-3.90E-09
URI (ΔCDF)	-2.20E-09	4.80E-08	4.80E-08	4.80E-08	4.80E-08	4.90E-08	4.90E-08	4.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.00E-09	4.33E-08	4.39E-08	5.61E-08	5.11E-08	4.59E-08	4.39E-08	4.51E-08

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



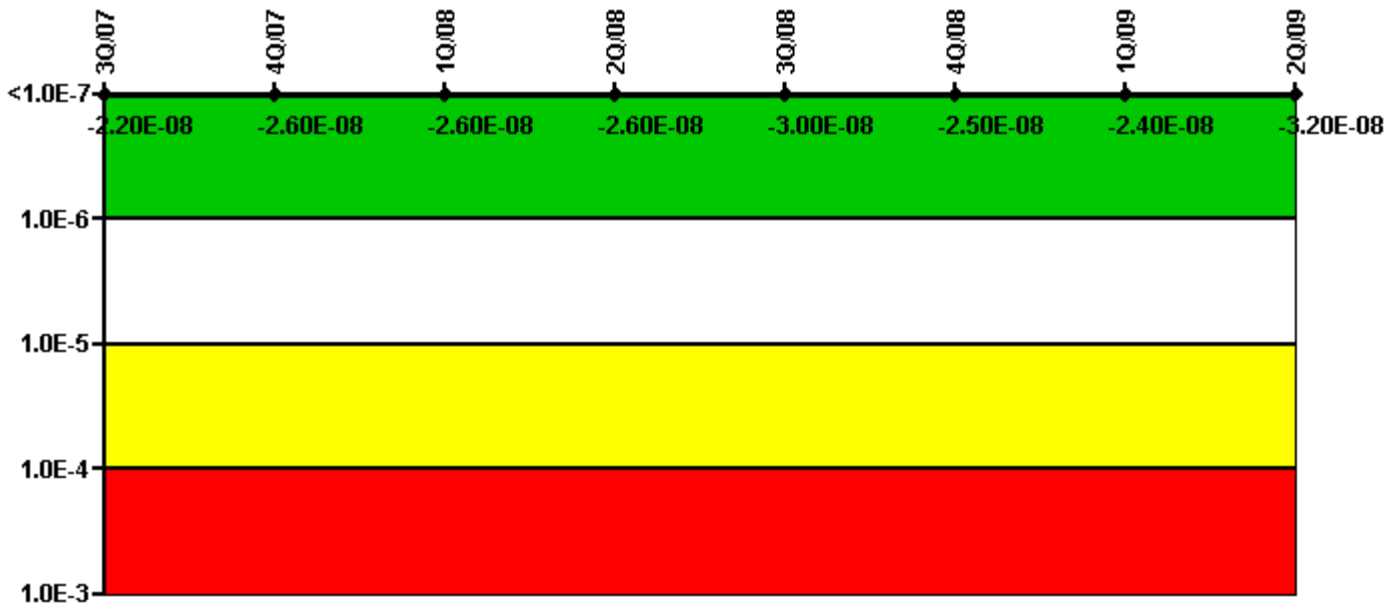
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-4.80E-09	-4.90E-09	-4.90E-09	-4.90E-09	-4.90E-09	-4.90E-09	-4.90E-09	-4.90E-09
URI (ΔCDF)	-9.50E-09	-9.60E-09	-9.60E-09	-9.70E-09	-9.80E-09	-9.80E-09	-9.90E-09	-9.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.43E-08	-1.45E-08	-1.45E-08	-1.46E-08	-1.47E-08	-1.47E-08	-1.48E-08	-1.48E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



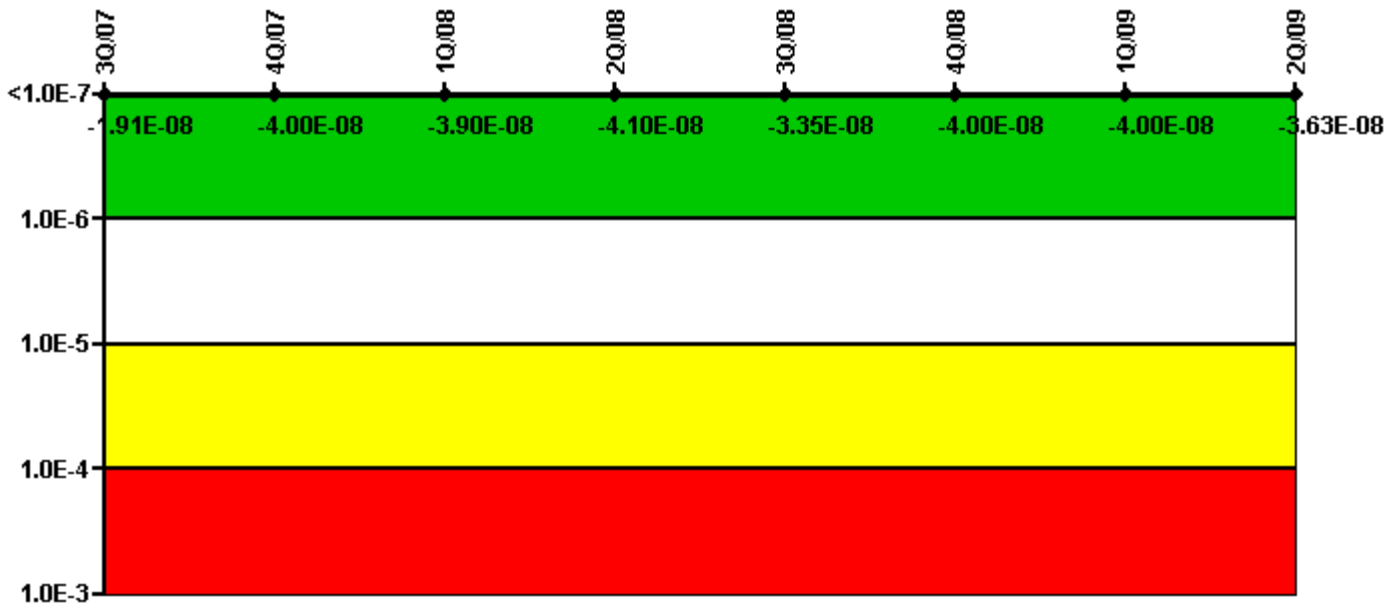
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	2.60E-08	2.20E-08	2.40E-08	2.40E-08	2.00E-08	2.40E-08	2.50E-08	1.70E-08
URI ( $\Delta$ CDF)	-4.80E-08	-4.80E-08	-5.00E-08	-5.00E-08	-5.00E-08	-4.90E-08	-4.90E-08	-4.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.20E-08	-2.60E-08	-2.60E-08	-2.60E-08	-3.00E-08	-2.50E-08	-2.40E-08	-3.20E-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

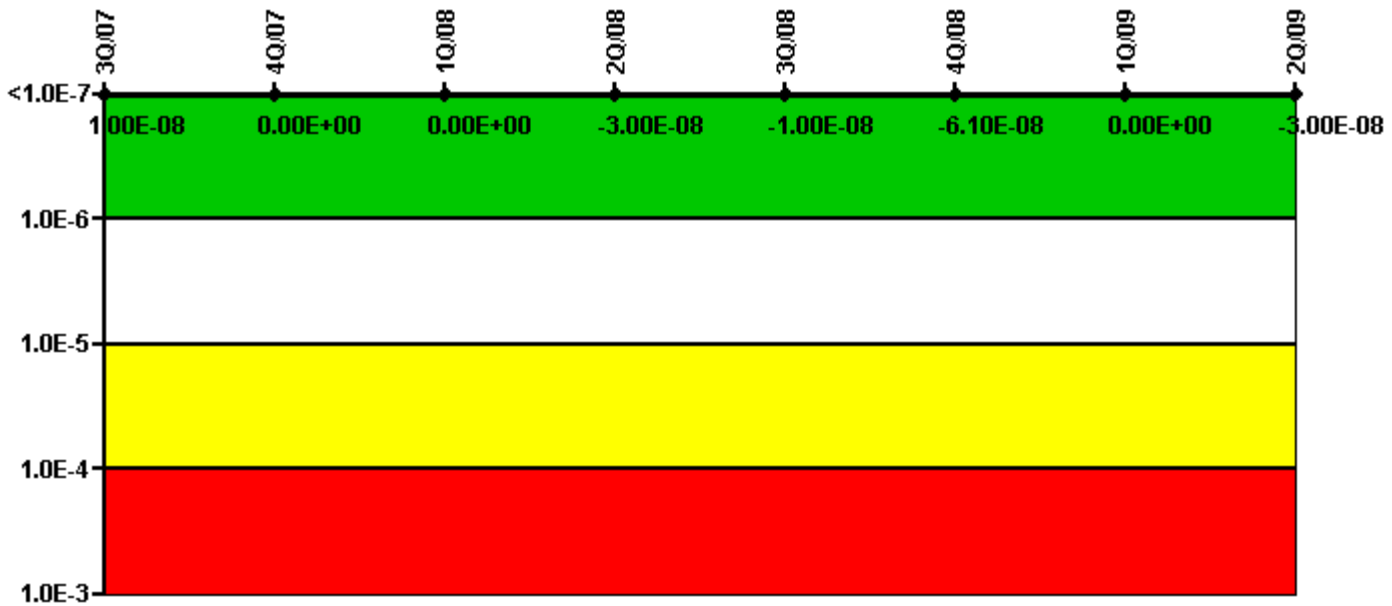
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	6.90E-09	-1.40E-08	-1.20E-08	-1.40E-08	-6.50E-09	-1.20E-08	-1.20E-08	-7.30E-09
URI (ΔCDF)	-2.60E-08	-2.60E-08	-2.70E-08	-2.70E-08	-2.70E-08	-2.80E-08	-2.80E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.91E-08	-4.00E-08	-3.90E-08	-4.10E-08	-3.35E-08	-4.00E-08	-4.00E-08	-3.63E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



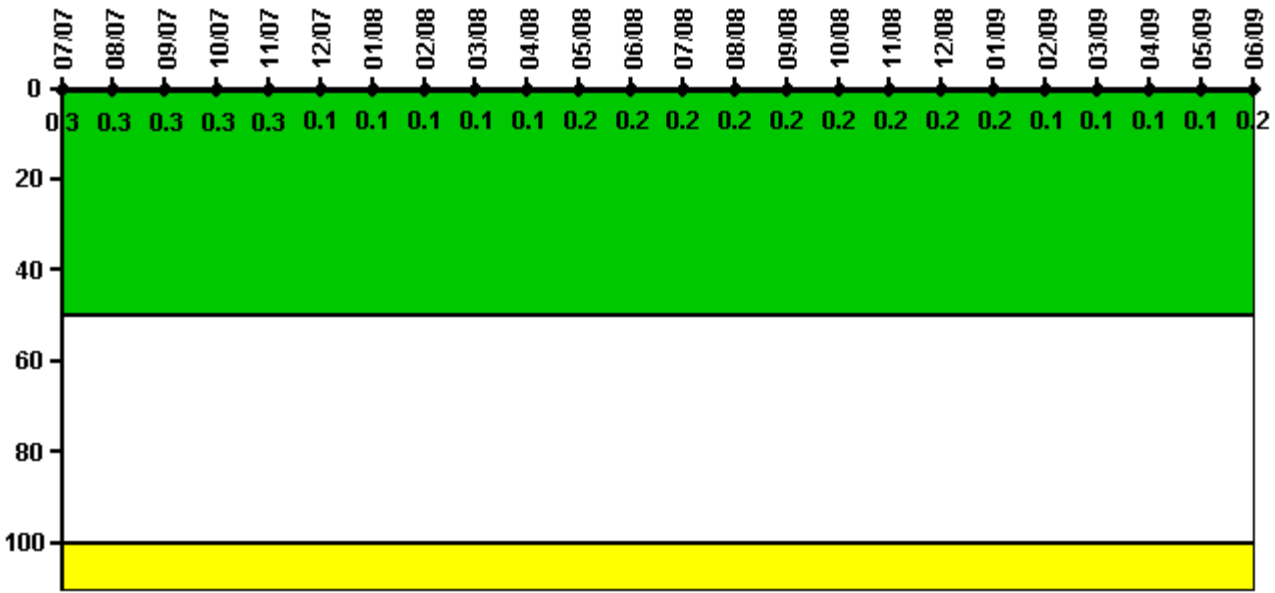
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI ( $\Delta$ CDF)	1.40E-07	1.30E-07	1.40E-07	1.10E-07	1.30E-07	7.90E-08	1.40E-07	1.10E-07
URI ( $\Delta$ CDF)	-1.30E-07	-1.30E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.00E-08	0.00E+00	0.00E+00	-3.00E-08	-1.00E-08	-6.10E-08	0.00E+00	-3.00E-08

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

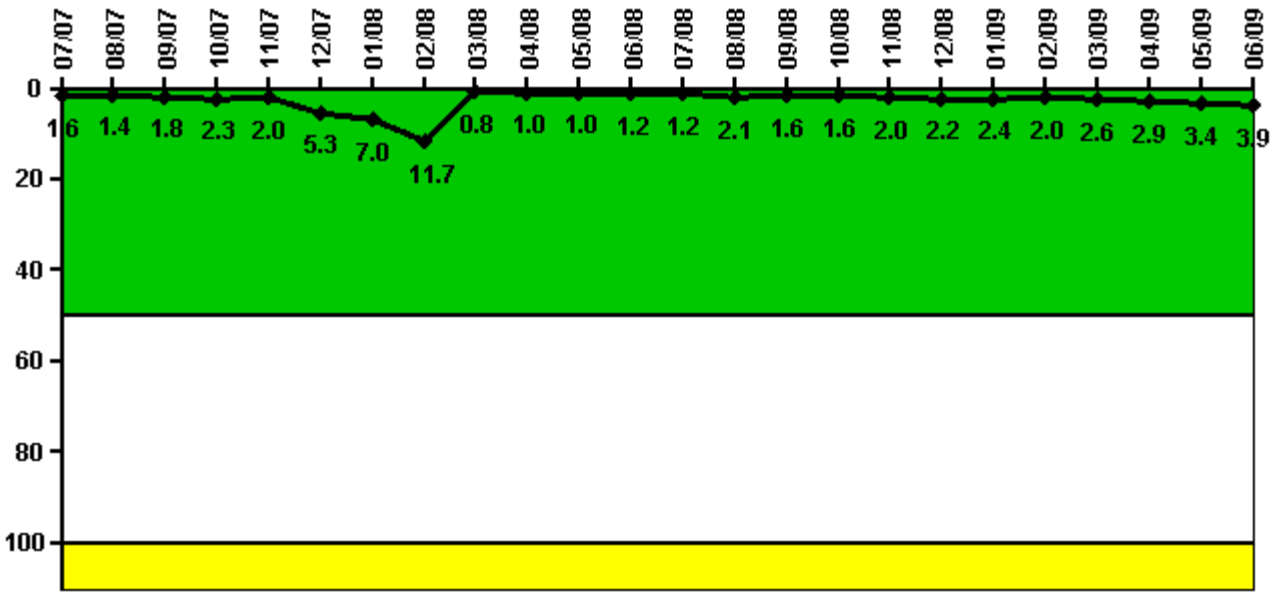
Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.002790	0.003000	0.003050	0.003000	0.002500	0.001350	0.001060	0.001144	0.000926	0.001342	0.001835	0.001571
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.2

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	0.001635	0.001660	0.001675	0.001920	0.001690	0.001510	0.001720	0.000982	0.001030	0.000745	0.001050	0.001530
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	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2

Licensee Comments: none

## Reactor Coolant System Leakage



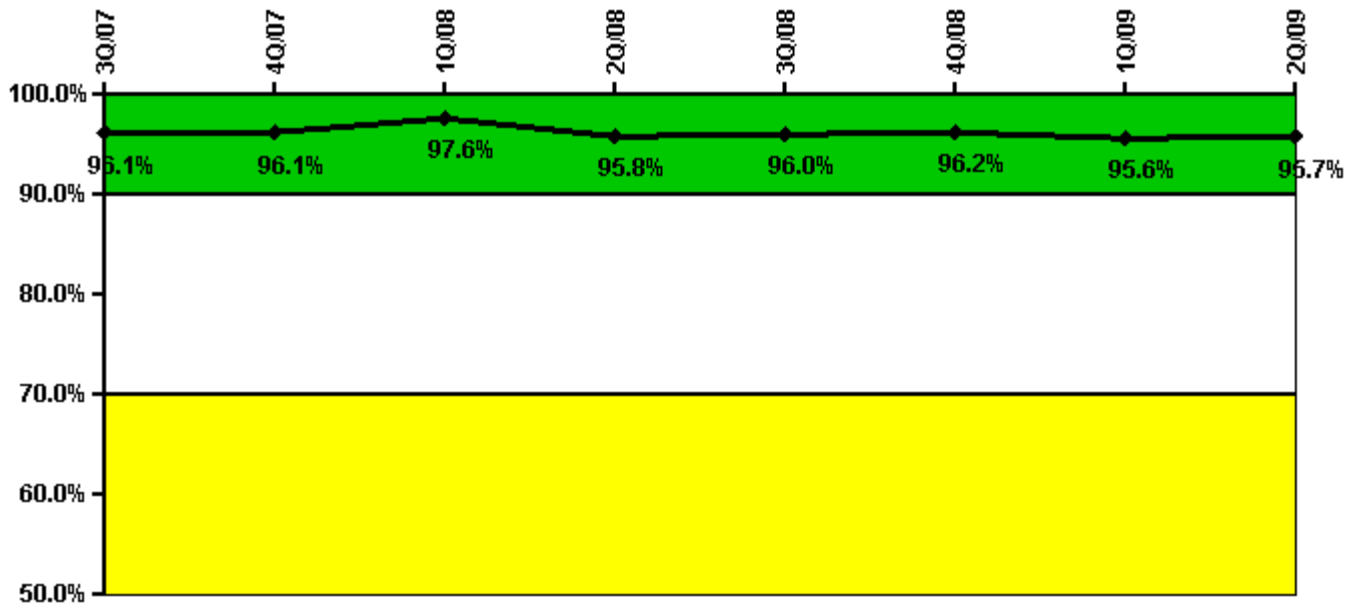
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.160	0.140	0.180	0.230	0.200	0.530	0.700	1.170	0.080	0.100	0.100	0.120
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	1.6	1.4	1.8	2.3	2.0	5.3	7.0	11.7	0.8	1.0	1.0	1.2
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	0.120	0.210	0.160	0.160	0.200	0.220	0.240	0.200	0.260	0.290	0.340	0.390
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	1.2	2.1	1.6	1.6	2.0	2.2	2.4	2.0	2.6	2.9	3.4	3.9

Licensee Comments: none

## Drill/Exercise Performance



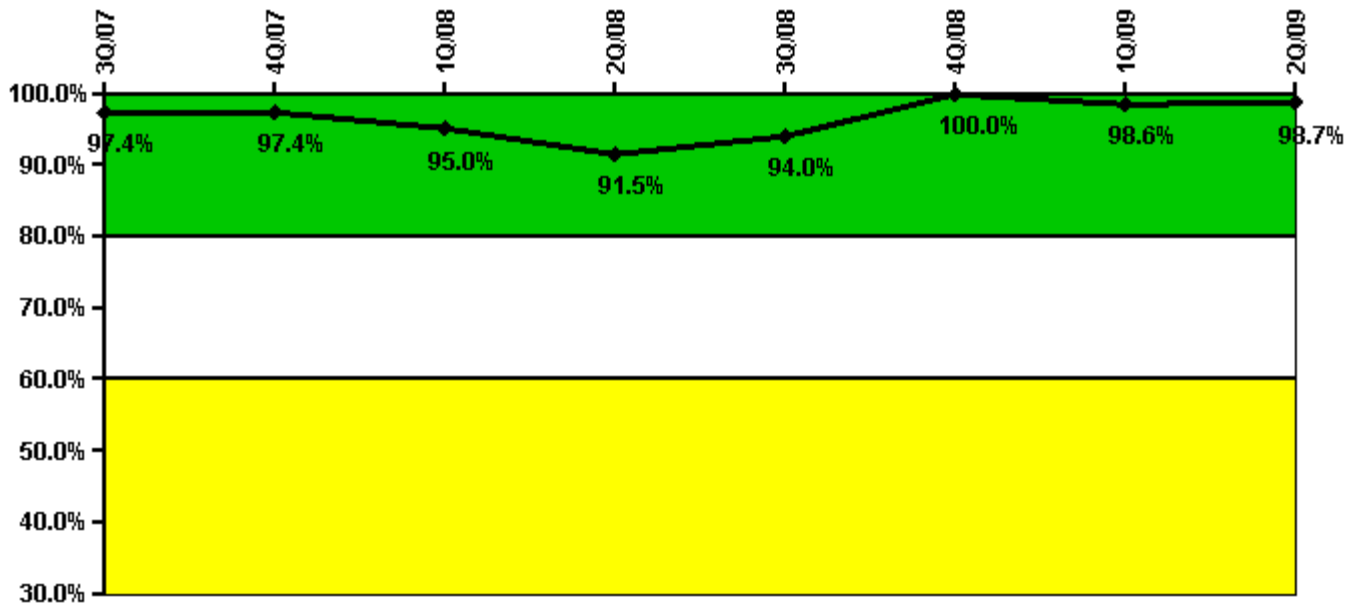
**Thresholds:** White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	26.0	0	50.0	52.0	30.0	15.0	33.0	19.0
Total opportunities	26.0	0	52.0	59.0	30.0	15.0	34.0	19.0
Indicator value	96.1%	96.1%	97.6%	95.8%	96.0%	96.2%	95.6%	95.7%

Licensee Comments: none

## ERO Drill Participation



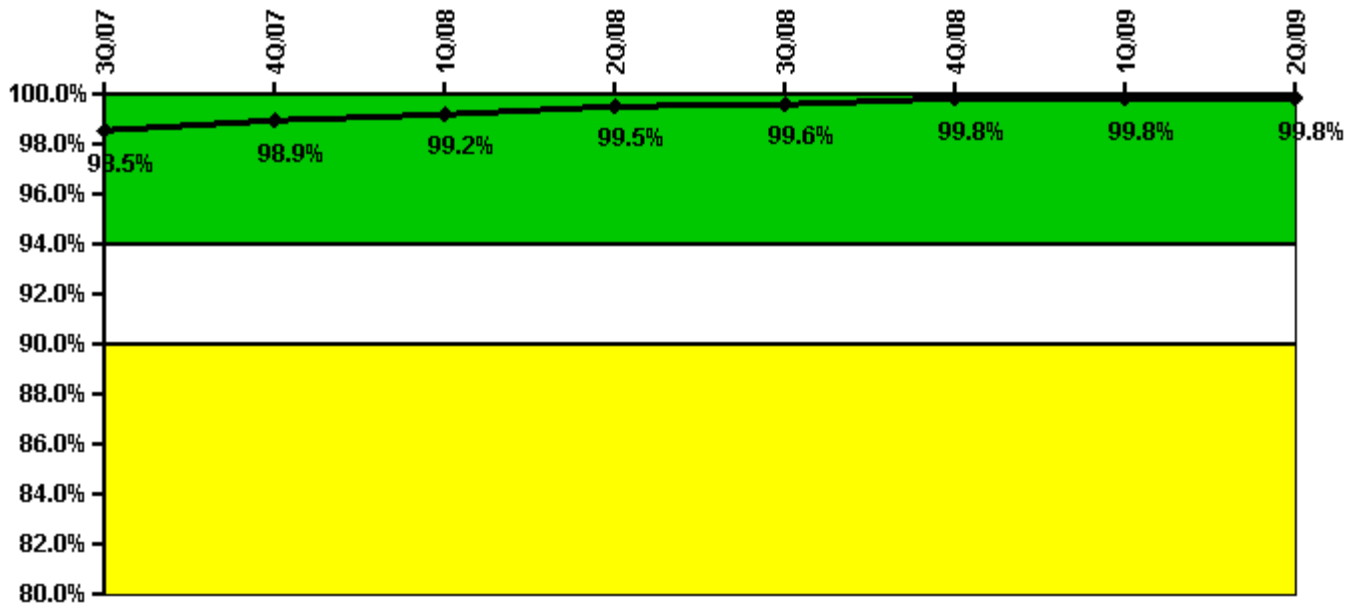
**Thresholds: White < 80.0% Yellow < 60.0%**

### Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	76.0	76.0	76.0	75.0	78.0	82.0	73.0	76.0
Total Key personnel	78.0	78.0	80.0	82.0	83.0	82.0	74.0	77.0
Indicator value	97.4%	97.4%	95.0%	91.5%	94.0%	100.0%	98.6%	98.7%

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	512	1033	1035	1038	1036	1079	1000	1038
Total sirens-tests	520	1039	1038	1040	1040	1080	1000	1040
Indicator value	98.5%	98.9%	99.2%	99.5%	99.6%	99.8%	99.8%	99.8%

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.