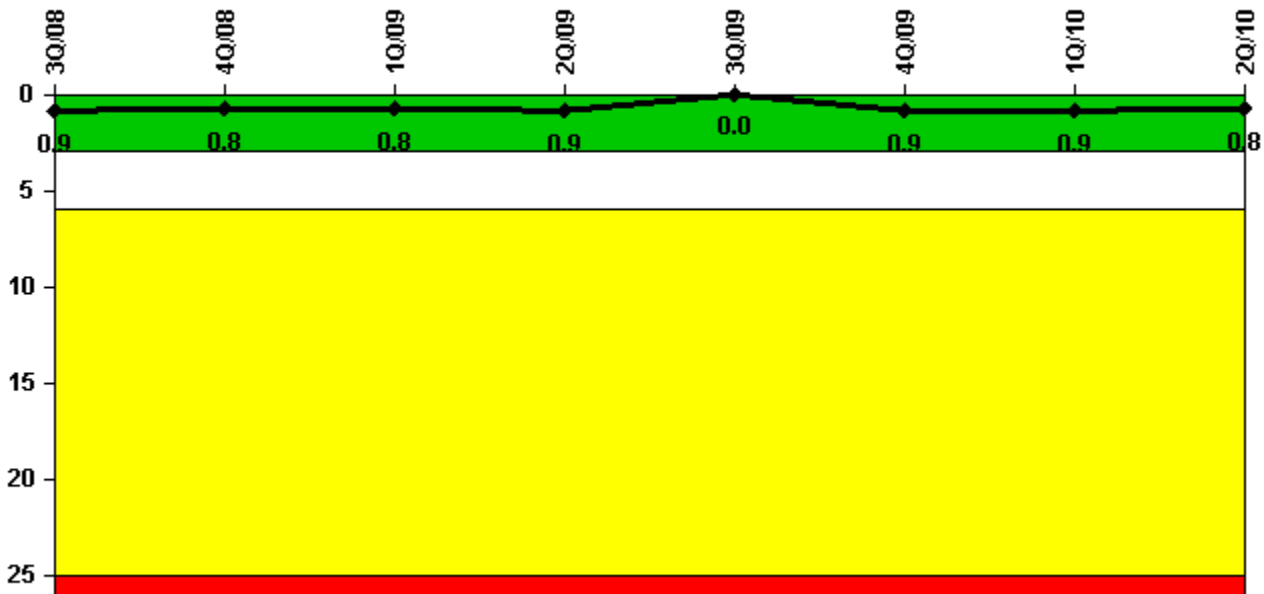


# Harris 1

## 2Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

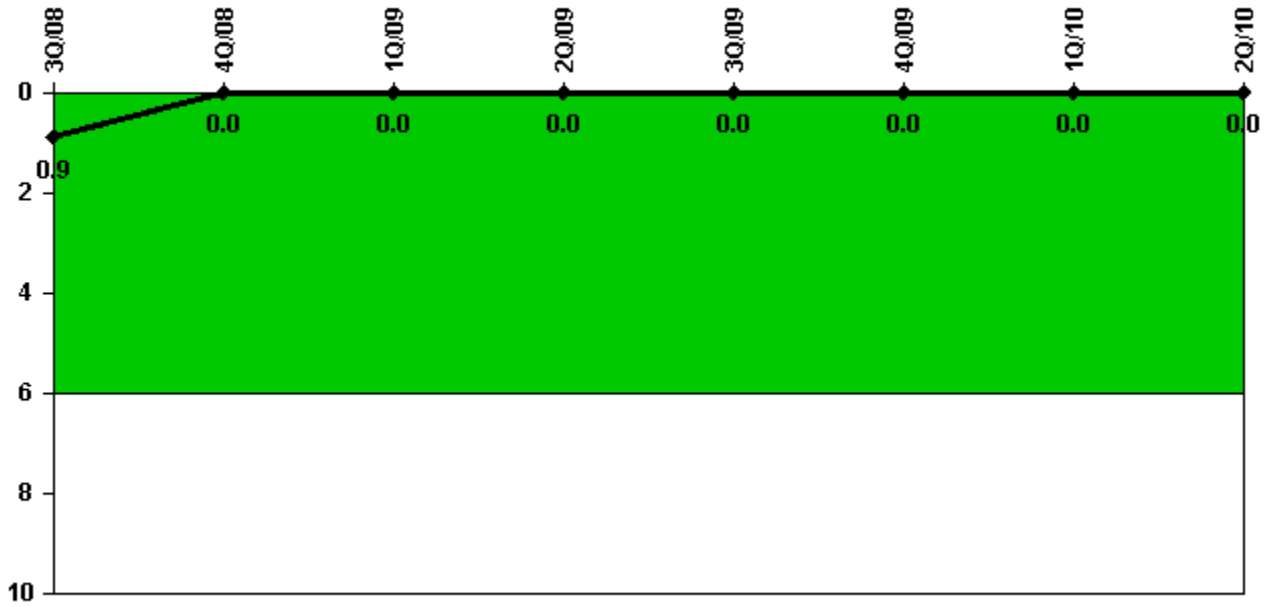
### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	1.0	0	0	0	0	1.0	0	0
Critical hours	1975.9	2209.0	2159.0	1651.4	2208.0	2102.5	2159.0	2184.0
Indicator value	0.9	0.8	0.8	0.9	0	0.9	0.9	0.8

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1975.9	2209.0	2159.0	1651.4	2208.0	2102.5	2159.0	2184.0
Indicator value	0.9	0	0	0	0	0	0	0

Licensee Comments: none

# Unplanned Scrams with Complications



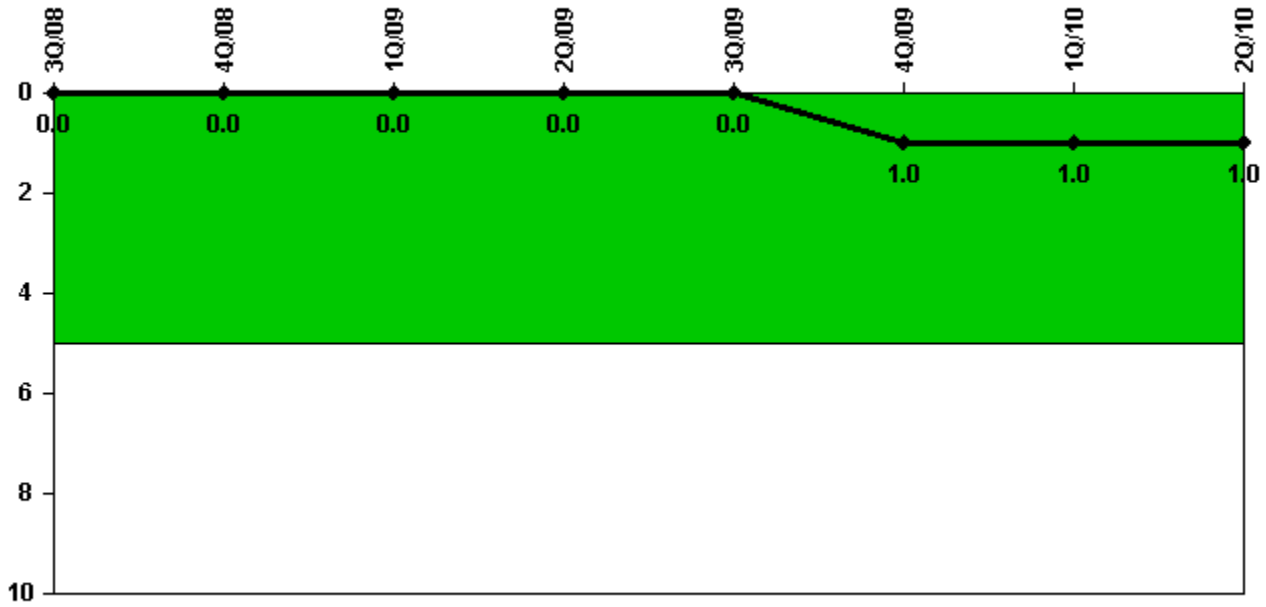
Thresholds: White > 1.0

## Notes

Unplanned Scrams with Complications	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/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)



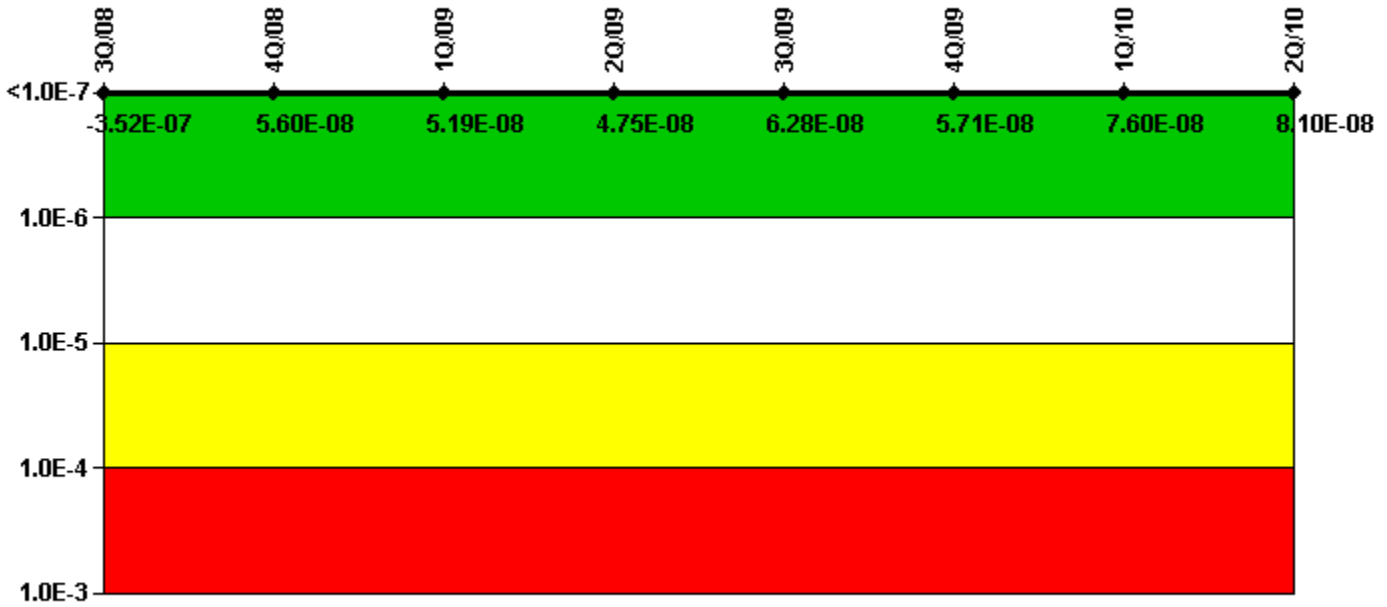
Thresholds: White > 5.0

### Notes

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

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



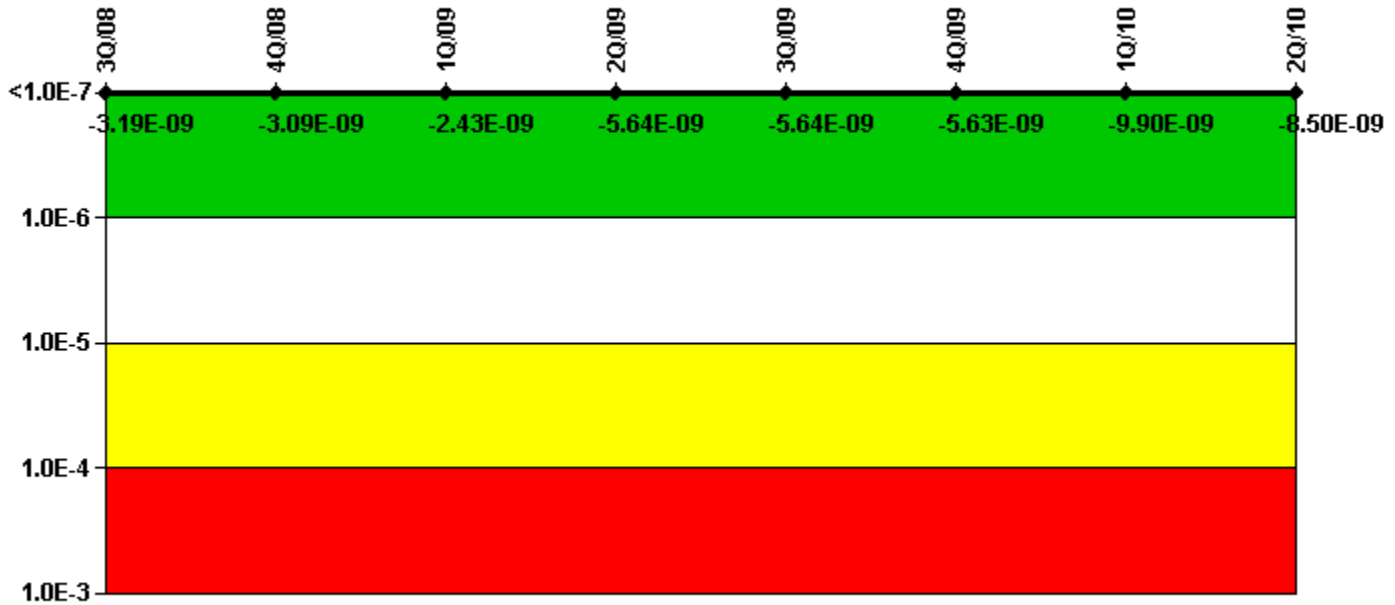
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-2.10E-09	-2.00E-09	-6.10E-09	-8.50E-09	6.80E-09	1.10E-09	1.97E-08	2.48E-08
URI ( $\Delta$ CDF)	-3.50E-07	5.80E-08	5.80E-08	5.60E-08	5.60E-08	5.60E-08	5.59E-08	5.59E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.52E-07	5.60E-08	5.19E-08	4.75E-08	6.28E-08	5.71E-08	7.60E-08	8.10E-08

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



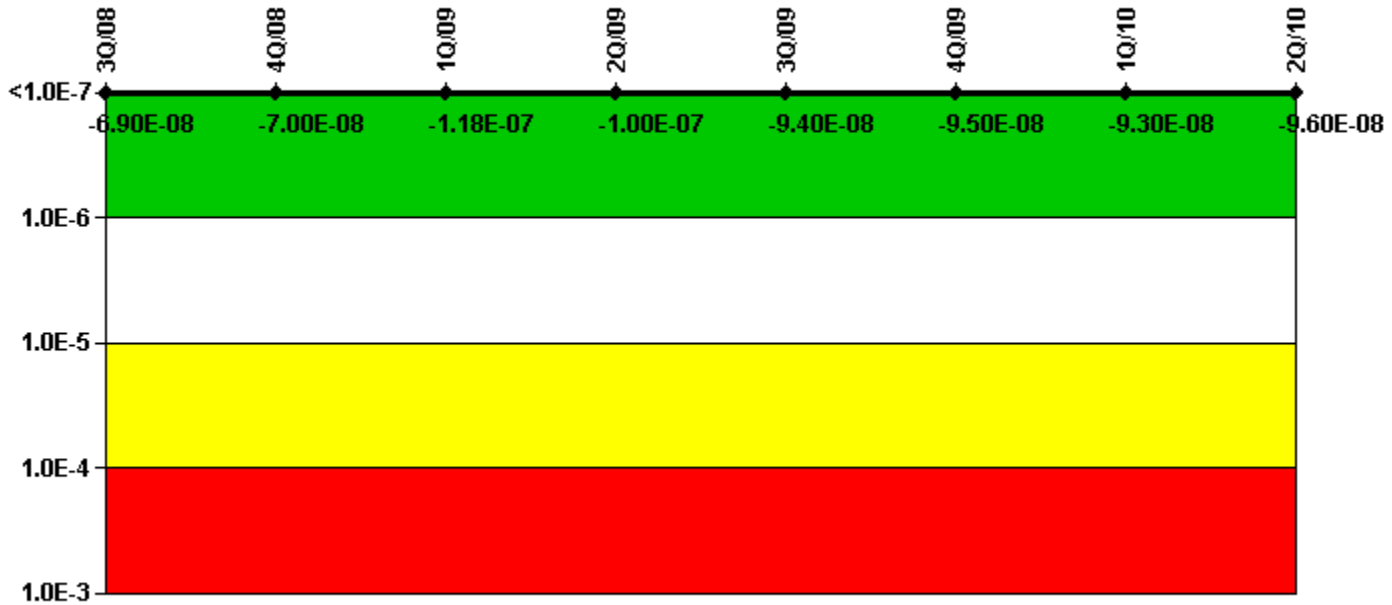
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-8.70E-11	-8.70E-11	3.70E-10	9.60E-10	9.60E-10	9.70E-10	6.72E-10	2.12E-09
URI ( $\Delta$ CDF)	-3.10E-09	-3.00E-09	-2.80E-09	-6.60E-09	-6.60E-09	-6.60E-09	-1.06E-08	-1.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.19E-09	-3.09E-09	-2.43E-09	-5.64E-09	-5.64E-09	-5.63E-09	-9.90E-09	-8.50E-09

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



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

## Notes

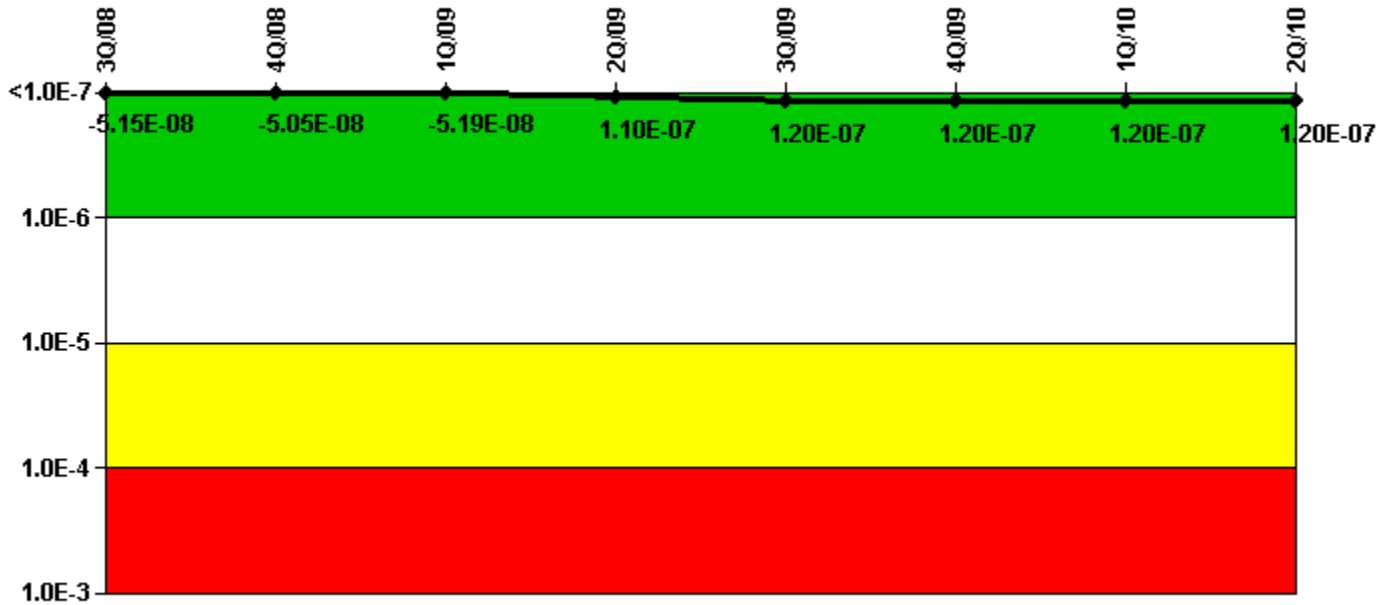
Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-1.80E-08	-1.80E-08	-1.80E-08	-6.25E-09	-5.77E-10	-2.05E-09	-1.46E-09	-4.73E-09
URI ( $\Delta$ CDF)	-5.10E-08	-5.20E-08	-1.00E-07	-9.42E-08	-9.31E-08	-9.25E-08	-9.19E-08	-9.13E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.90E-08	-7.00E-08	-1.18E-07	-1.00E-07	-9.40E-08	-9.50E-08	-9.30E-08	-9.60E-08

## Licensee Comments:

2Q/10: Unavailability hours should have been reported against both of the Steam Supply Segments when the steam admission valves were unavailable and under clearance to support TDAFW maintenance. Corrected unavailability hours for the previous 36 month period need to be reported against both 1MS-70 and 1MS-72 as follows: 1/20/2010 07:04 to 16:52: accumulated 9.8 hours planned unavailability 8/26/2009 07:02 to 8/27/2009 09:49: accumulated 26.8 hours planned unavailability 4/15/2009 07:11 to 4/17/2009 03:22: accumulated 44.2 hours planned unavailability 9/24/2008 07:34 to 17:18: accumulated 9.7 hours planned unavailability 3/19/2008 06:58 to 16:13: accumulated 9.3 hours planned unavailability 4/18/2007 19:45 to 22:24: accumulated 2.7 hours unplanned unavailability 4/18/2007 07:15 to 17:04: accumulated 9.8 hours planned unavailability No Color Change as a result of this corrected data.

2Q/09: Updated PRA parameters to reflect MSPI Basis Document update to PRA 2007a Model of Record.

# 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/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-1.50E-09	-1.50E-09	-3.90E-09	-4.32E-09	-9.78E-10	1.02E-09	-1.76E-09	-1.68E-09
URI ( $\Delta$ CDF)	-5.00E-08	-4.90E-08	-4.80E-08	1.17E-07	1.19E-07	1.21E-07	1.23E-07	1.25E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.15E-08	-5.05E-08	-5.19E-08	1.10E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



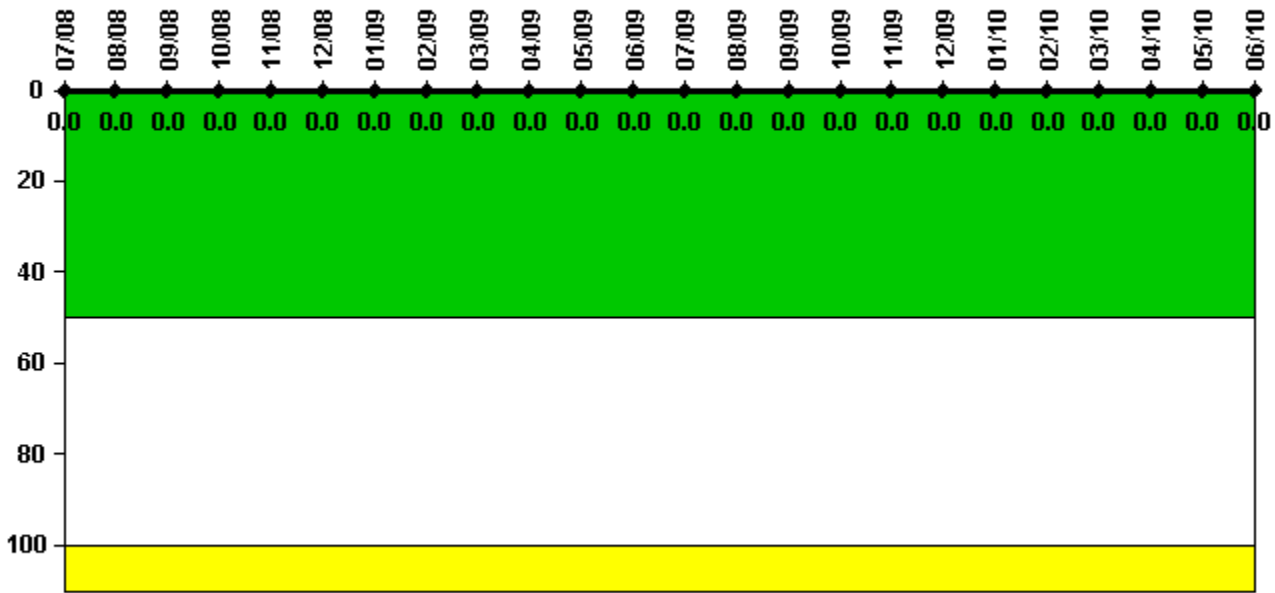
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	3.30E-08	2.70E-08	4.80E-08	3.20E-08	5.60E-08	5.20E-08	8.62E-08	9.63E-08
URI ( $\Delta$ CDF)	-6.40E-08	-7.00E-08	-7.60E-08	-5.30E-08	-5.70E-08	-6.10E-08	-6.54E-08	-6.93E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.10E-08	-4.30E-08	-2.80E-08	-2.10E-08	-1.00E-09	-9.00E-09	2.10E-08	2.70E-08

Licensee Comments: none

# Reactor Coolant System Activity



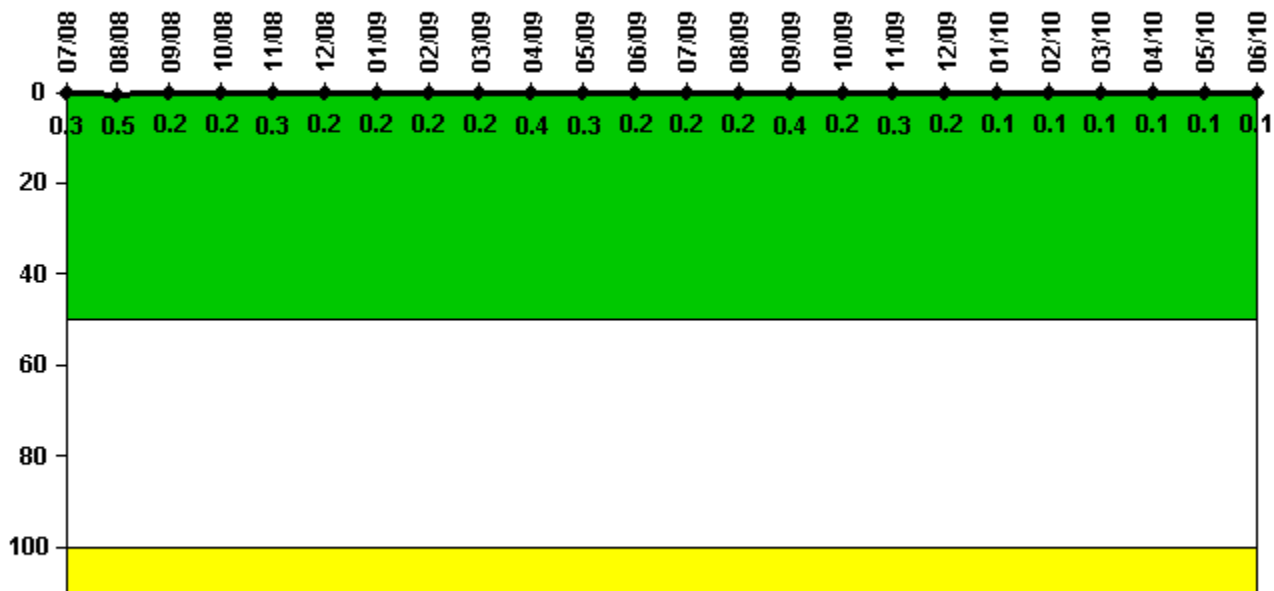
Thresholds: White > 50.0 Yellow > 100.0

## Notes

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	0.000061	0.000066	0.000068	0.000071	0.000073	0.000079	0.000083	0.000233	0.000095	0.000080	0.000045	0.000056
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	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.000070	0.000427	0.000089	0.000099	0.000102	0.000116	0.000127	0.000129	0.000134	0.000141	0.000150	0.000155
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	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



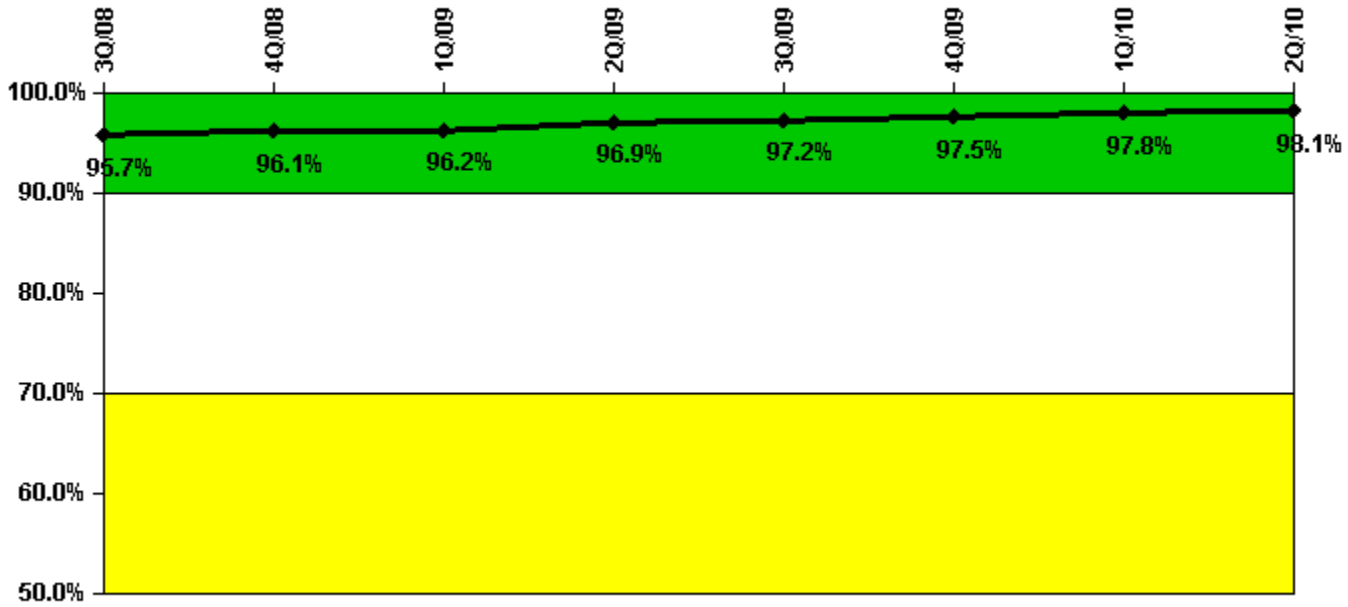
Thresholds: White > 50.0 Yellow > 100.0

### Notes

<b>Reactor Coolant System Leakage</b>	<b>7/08</b>	<b>8/08</b>	<b>9/08</b>	<b>10/08</b>	<b>11/08</b>	<b>12/08</b>	<b>1/09</b>	<b>2/09</b>	<b>3/09</b>	<b>4/09</b>	<b>5/09</b>	<b>6/09</b>
Maximum leakage	0.030	0.050	0.020	0.020	0.030	0.020	0.020	0.020	0.016	0.039	0.030	0.020
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	0.5	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.2
<b>Reactor Coolant System Leakage</b>	<b>7/09</b>	<b>8/09</b>	<b>9/09</b>	<b>10/09</b>	<b>11/09</b>	<b>12/09</b>	<b>1/10</b>	<b>2/10</b>	<b>3/10</b>	<b>4/10</b>	<b>5/10</b>	<b>6/10</b>
Maximum leakage	0.020	0.020	0.040	0.020	0.030	0.020	0.010	0.010	0.010	0.010	0.010	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	0.2	0.2	0.4	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

## Drill/Exercise Performance



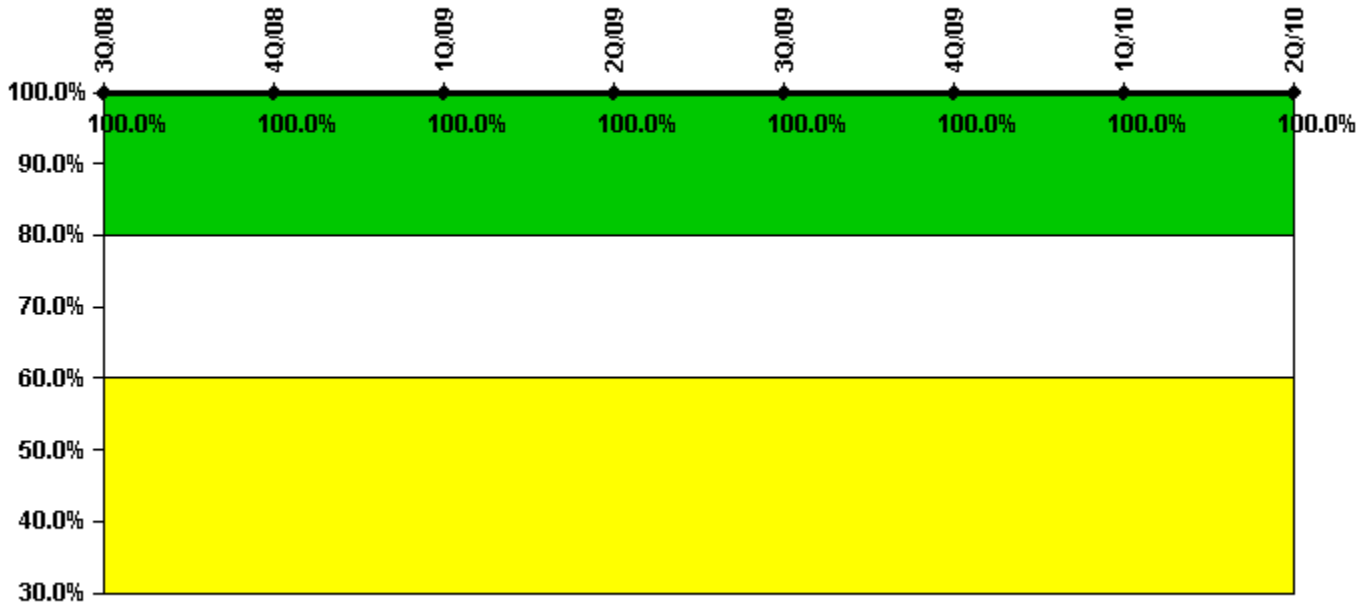
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	17.0	29.0	54.0	20.0	29.0	46.0	36.0	33.0
Total opportunities	18.0	29.0	55.0	20.0	30.0	47.0	36.0	34.0
Indicator value	95.7%	96.1%	96.2%	96.9%	97.2%	97.5%	97.8%	98.1%

Licensee Comments: none

# ERO Drill Participation



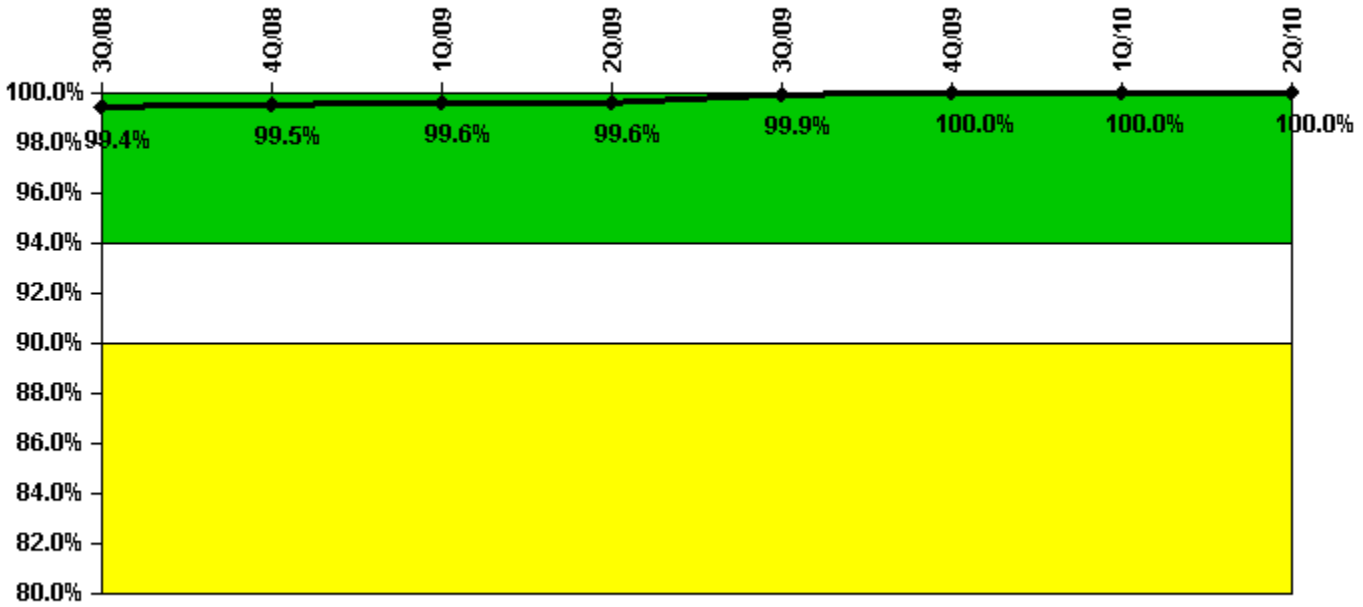
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	45.0	43.0	41.0	38.0	47.0	50.0	48.0	52.0
Total Key personnel	45.0	43.0	41.0	38.0	47.0	50.0	48.0	52.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

# Alert & Notification System



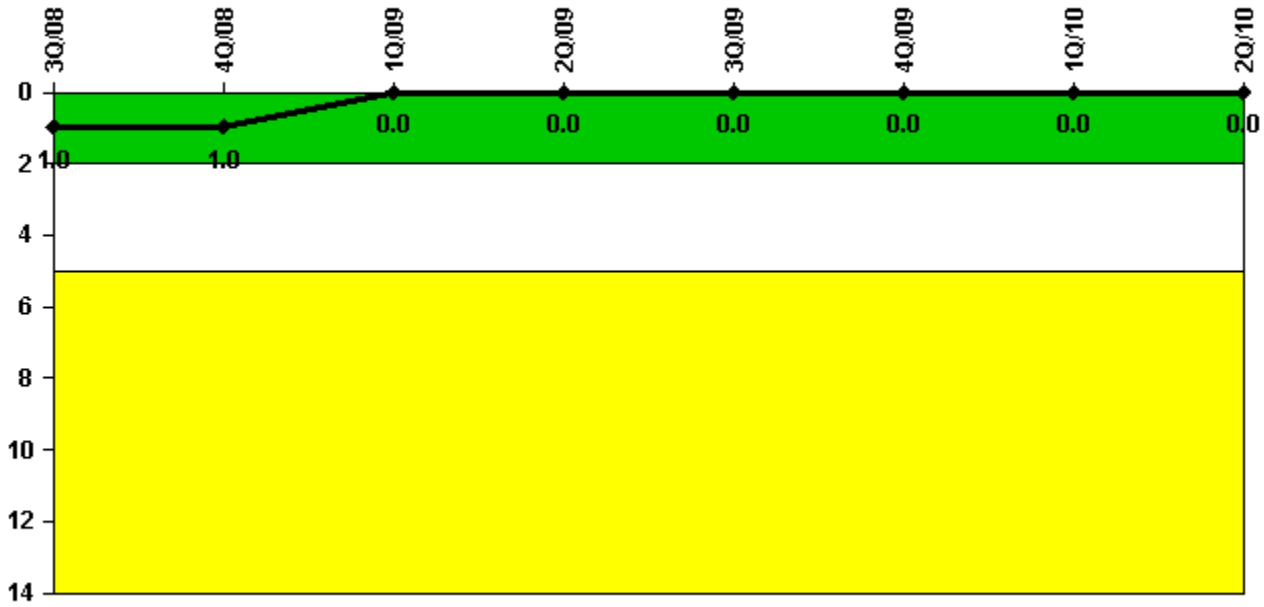
**Thresholds:** White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	657	662	580	664	747	581	664	581
Total sirens-tests	664	664	581	664	747	581	664	581
Indicator value	99.4%	99.5%	99.6%	99.6%	99.9%	100.0%	100.0%	100.0%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/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
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

# RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

## Notes

RETS/ODCM Radiological Effluent	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/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.