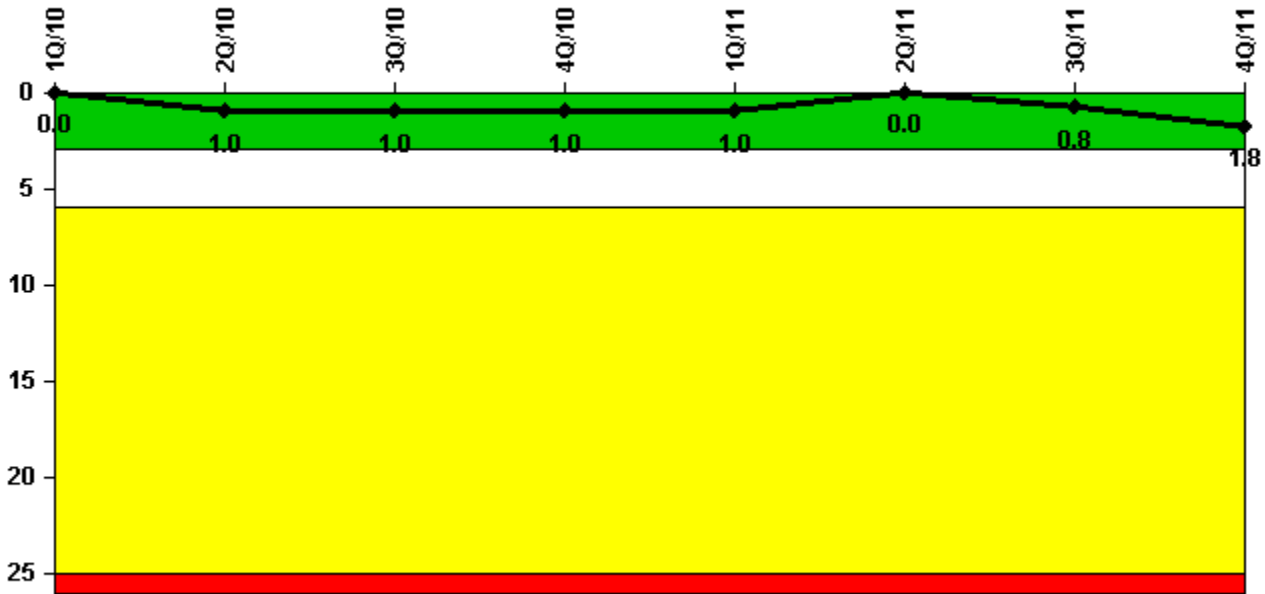


# Saint Lucie 1

## 4Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



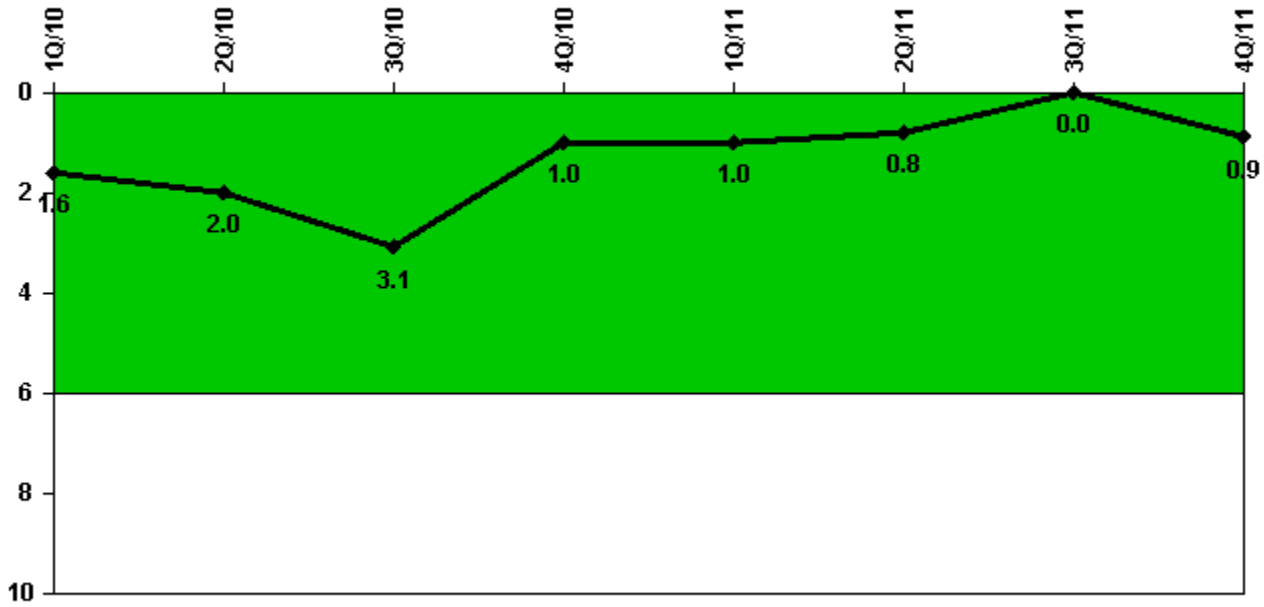
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	1.0	0	0	0	0	1.0	1.0
Critical hours	2159.0	291.8	2208.0	2209.0	2159.0	2184.0	2123.2	1295.7
Indicator value	0	1.0	1.0	1.0	1.0	0	0.8	1.8

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



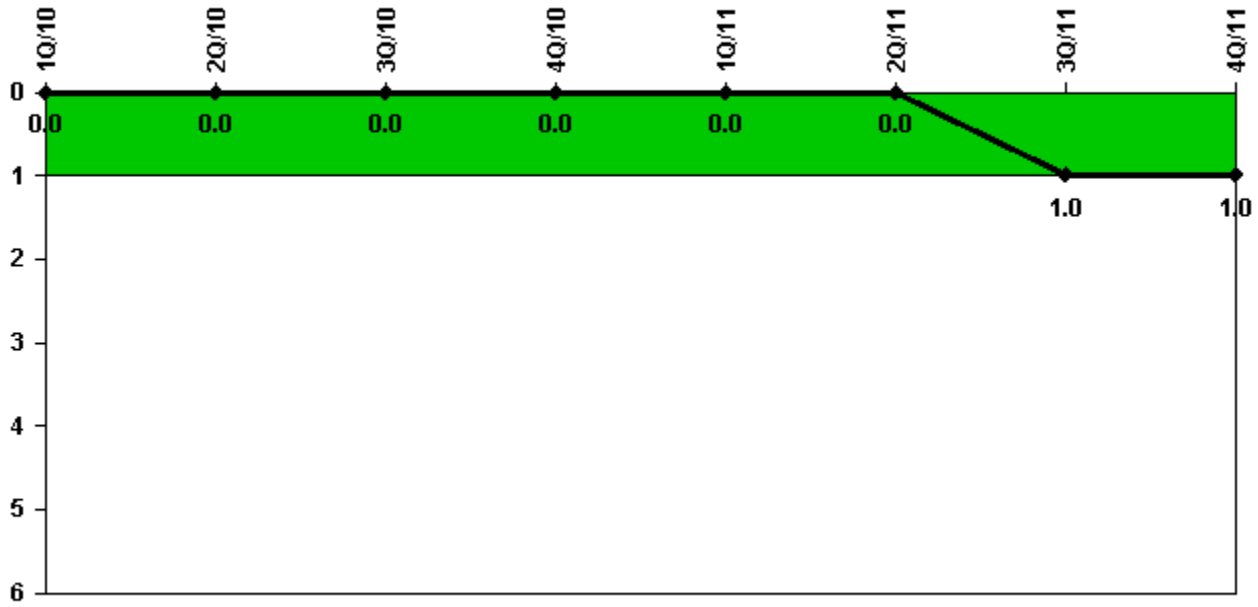
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	1.0	0	0	0	0	1.0
Critical hours	2159.0	291.8	2208.0	2209.0	2159.0	2184.0	2123.2	1295.7
Indicator value	1.6	2.0	3.1	1.0	1.0	0.8	0	0.9

Licensee Comments: none

## Unplanned Scrams with Complications



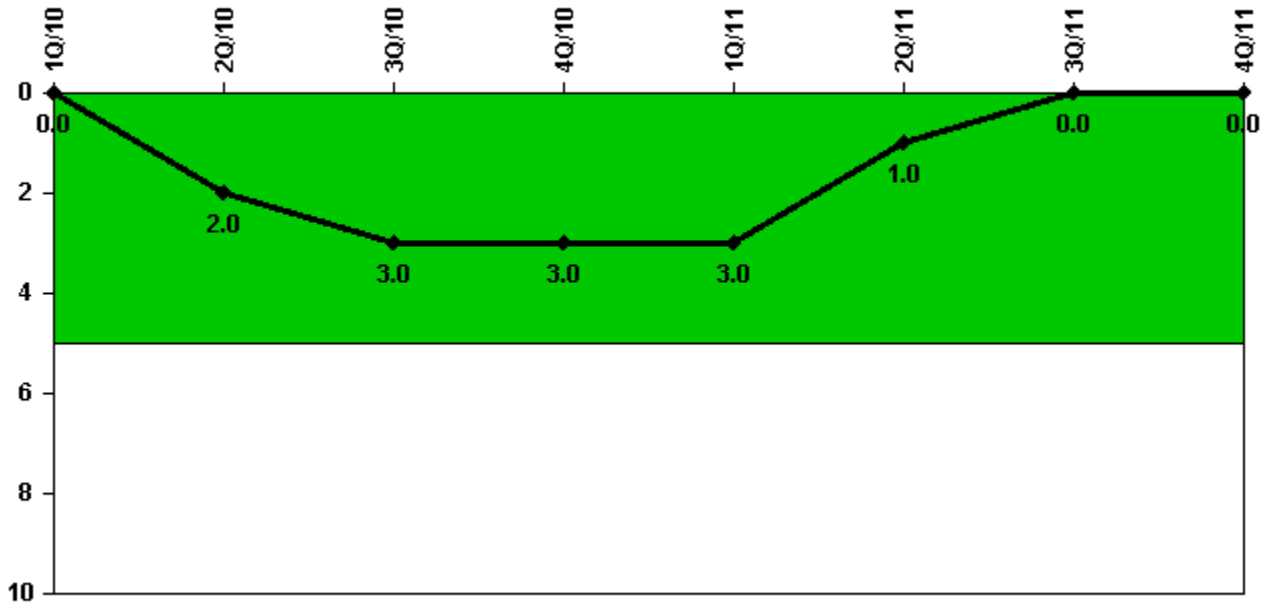
Thresholds: White > 1.0

### Notes

Unplanned Scrams with Complications	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Scrams with complications	0	0	0	0	0	0	1.0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0

Licensee Comments: none

## Safety System Functional Failures (PWR)



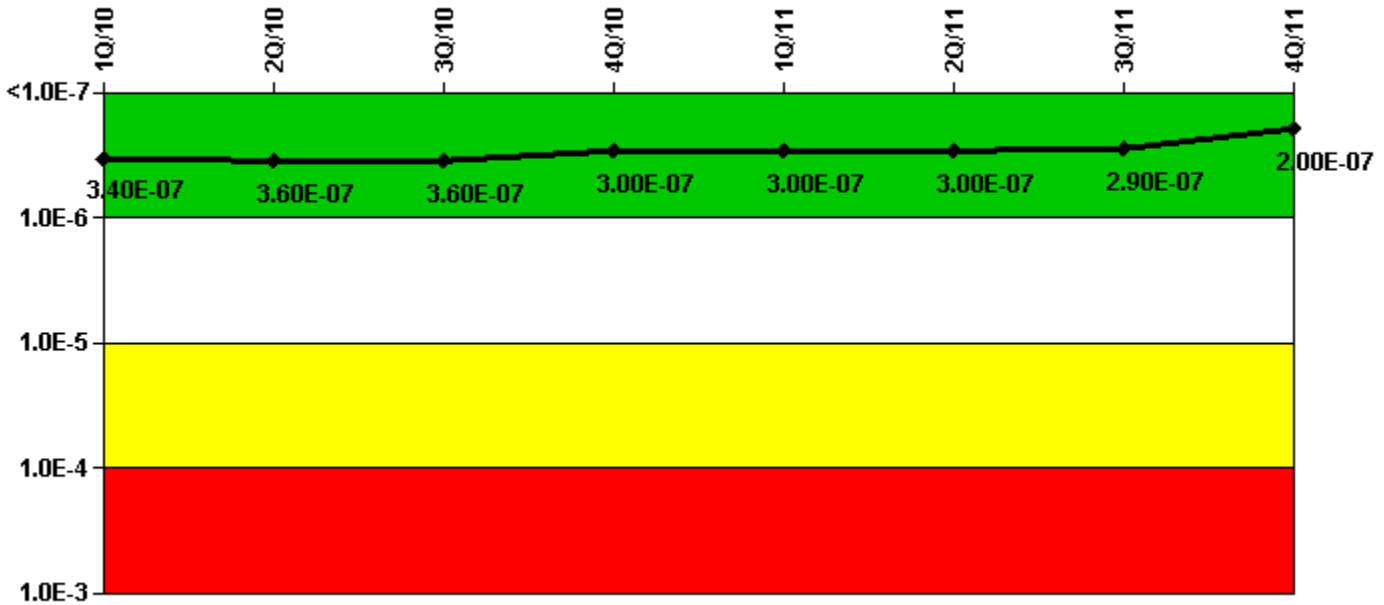
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Safety System Functional Failures	0	2	1	0	0	0	0	0
Indicator value	0	2	3	3	3	1	0	0

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



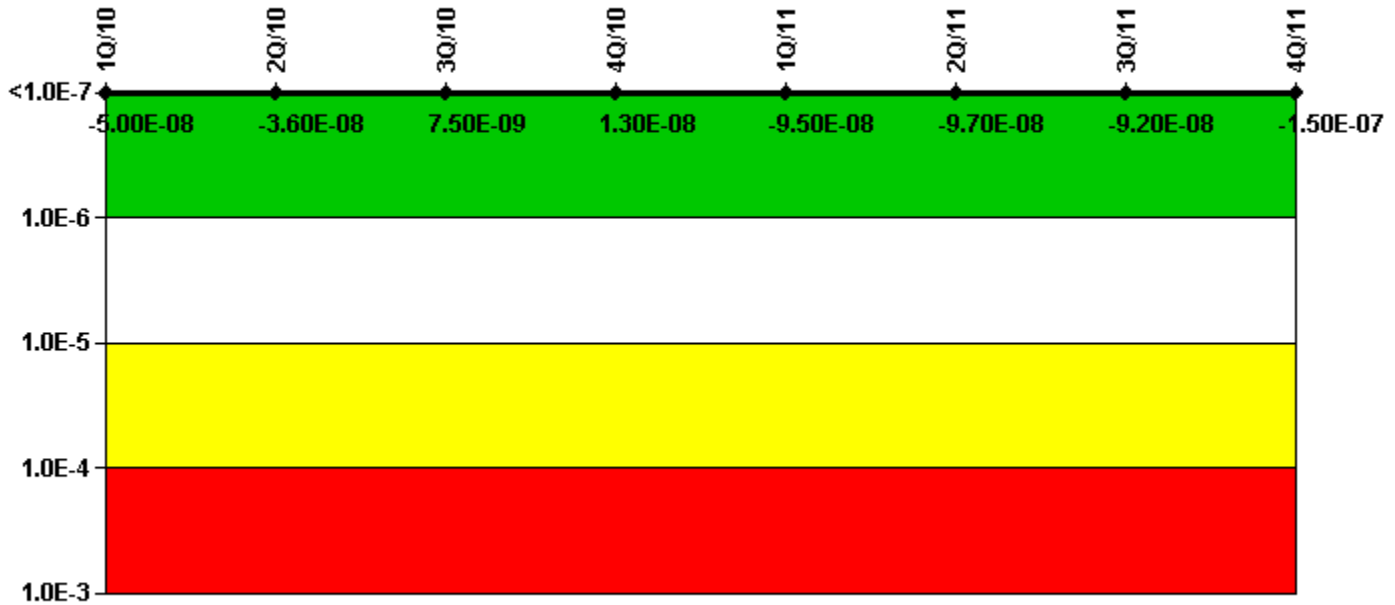
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI ( $\Delta$ CDF)	5.65E-08	5.06E-08	5.36E-08	6.15E-08	6.19E-08	6.25E-08	5.39E-08	5.40E-08
URI ( $\Delta$ CDF)	2.87E-07	3.05E-07	3.05E-07	2.34E-07	2.34E-07	2.34E-07	2.34E-07	1.46E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.40E-07	3.60E-07	3.60E-07	3.00E-07	3.00E-07	3.00E-07	2.90E-07	2.00E-07

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



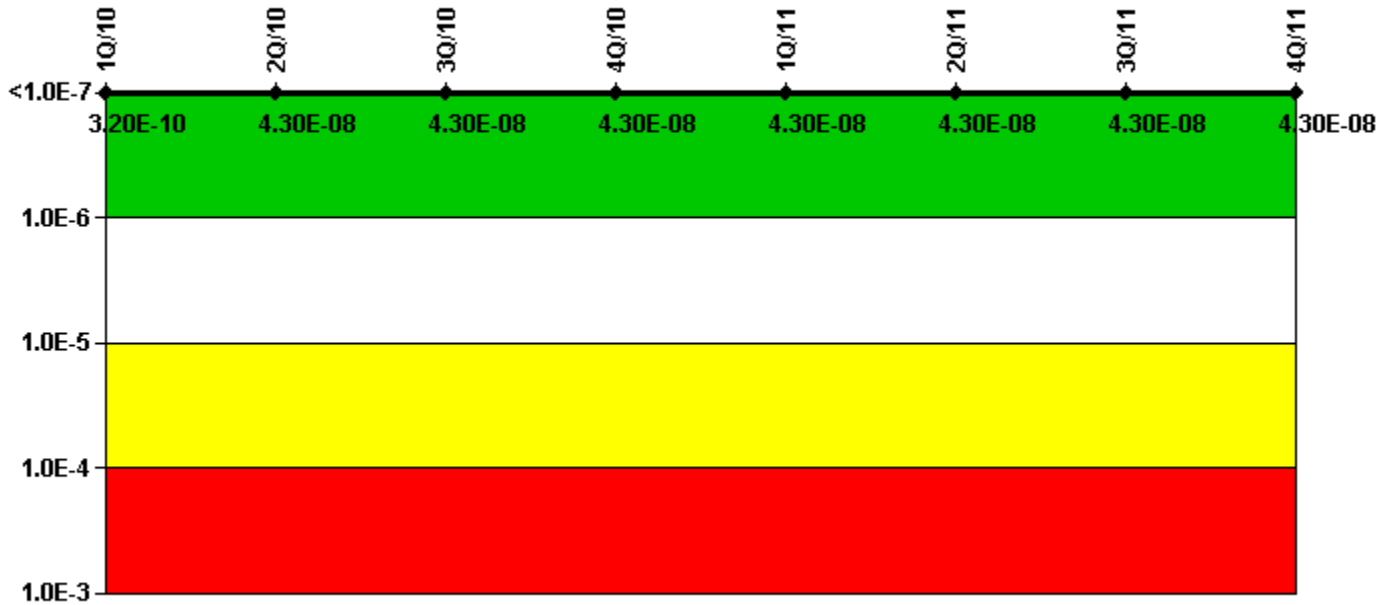
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI ( $\Delta$ CDF)	$7.77E-08$	$9.18E-08$	$1.35E-07$	$1.40E-07$	$3.32E-08$	$3.09E-08$	$3.59E-08$	$-2.17E-08$
URI ( $\Delta$ CDF)	$-1.28E-07$	$-1.28E-07$	$-1.28E-07$	$-1.28E-07$	$-1.28E-07$	$-1.28E-07$	$-1.28E-07$	$-1.28E-07$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$-5.00E-08$	$-3.60E-08$	$7.50E-09$	$1.30E-08$	$-9.50E-08$	$-9.70E-08$	$-9.20E-08$	$-1.50E-07$

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



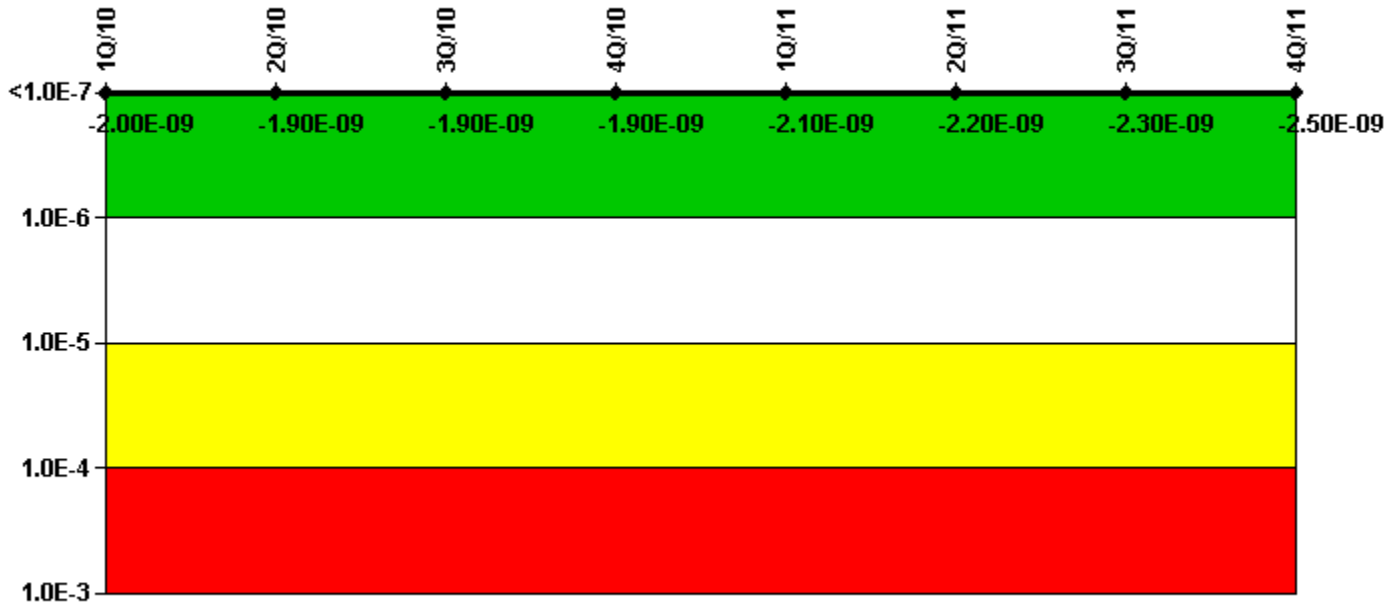
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI ( $\Delta$ CDF)	-3.03E-09	7.14E-09	7.14E-09	7.14E-09	7.16E-09	7.16E-09	7.14E-09	7.88E-09
URI ( $\Delta$ CDF)	3.35E-09	3.56E-08	3.56E-08	3.56E-08	3.56E-08	3.56E-08	3.56E-08	3.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.20E-10	4.30E-08	4.30E-08	4.30E-08	4.30E-08	4.30E-08	4.30E-08	4.30E-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

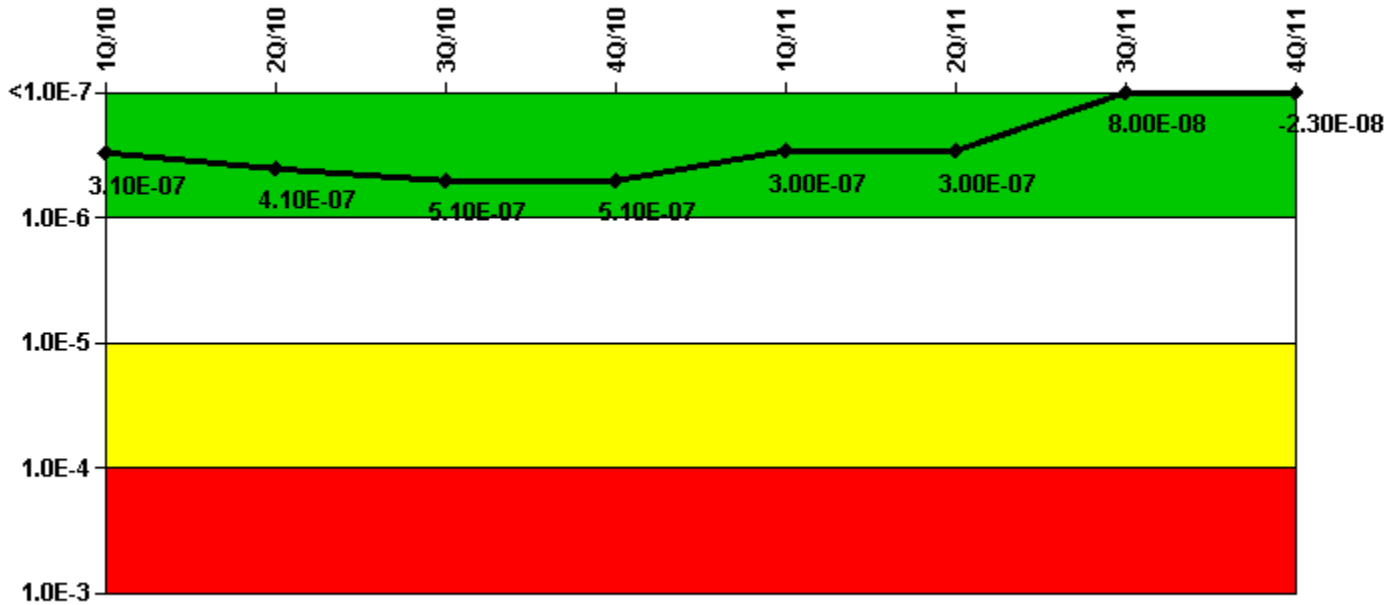
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI ( $\Delta$ CDF)	2.62E-10	3.09E-10	3.06E-10	3.08E-10	1.29E-10	7.27E-11	-3.77E-11	-2.10E-10
URI ( $\Delta$ CDF)	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.00E-09	-1.90E-09	-1.90E-09	-1.90E-09	-2.10E-09	-2.20E-09	-2.30E-09	-2.50E-09

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



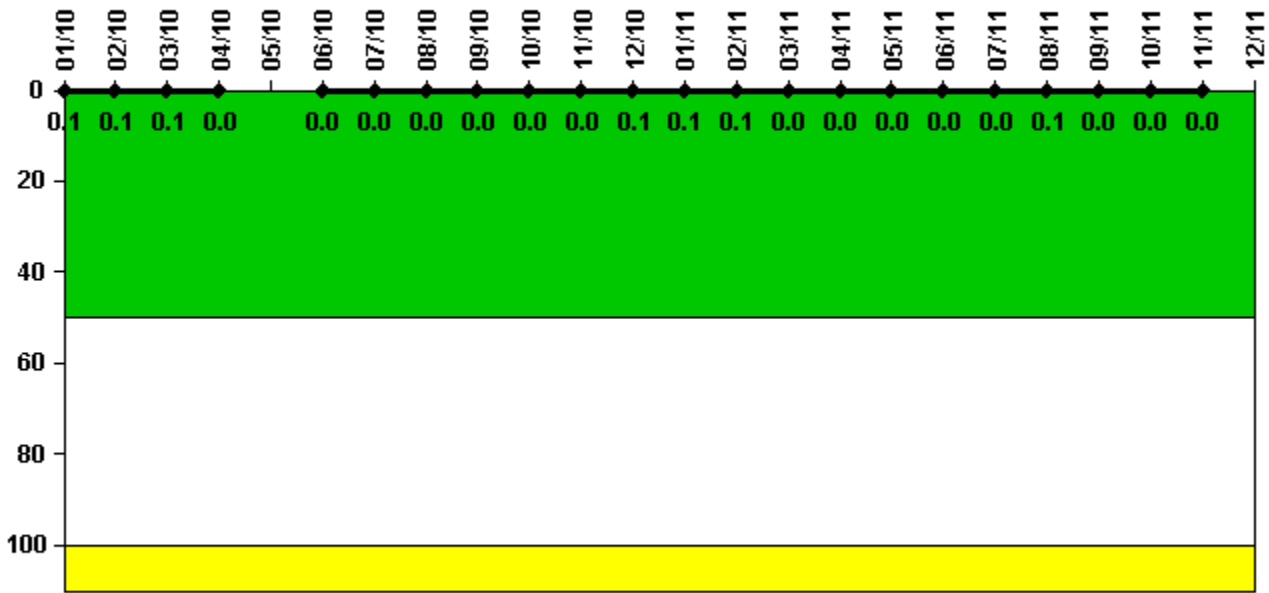
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI ( $\Delta$ CDF)	3.48E-07	4.51E-07	5.42E-07	5.42E-07	3.41E-07	3.38E-07	1.16E-07	1.32E-08
URI ( $\Delta$ CDF)	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08	-3.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.10E-07	4.10E-07	5.10E-07	5.10E-07	3.00E-07	3.00E-07	8.00E-08	-2.30E-08

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

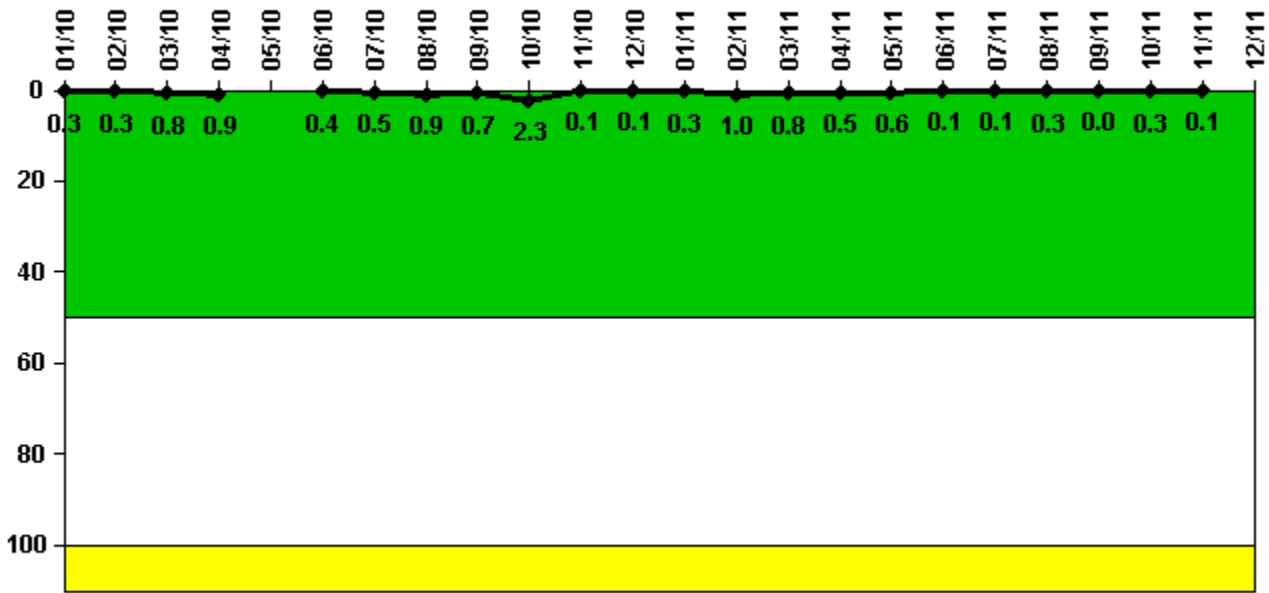
Reactor Coolant System Activity	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum activity	0.000695	0.000720	0.001000	0.000364	N/A	0.000130	0.000395	0.000352	0.000436	0.000474	0.000476	0.000552
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0	N/A	0	0	0	0	0	0	0.1

Reactor Coolant System Activity	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum activity	0.000590	0.000612	0.000355	0.000362	0.000395	0.000398	0.000351	0.000572	0.000376	0.000417	0.000379	N/A
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	0.1	0.1	0	0	0	0	0	0.1	0	0	0	N/A

Licensee Comments: none

## Reactor Coolant System Leakage



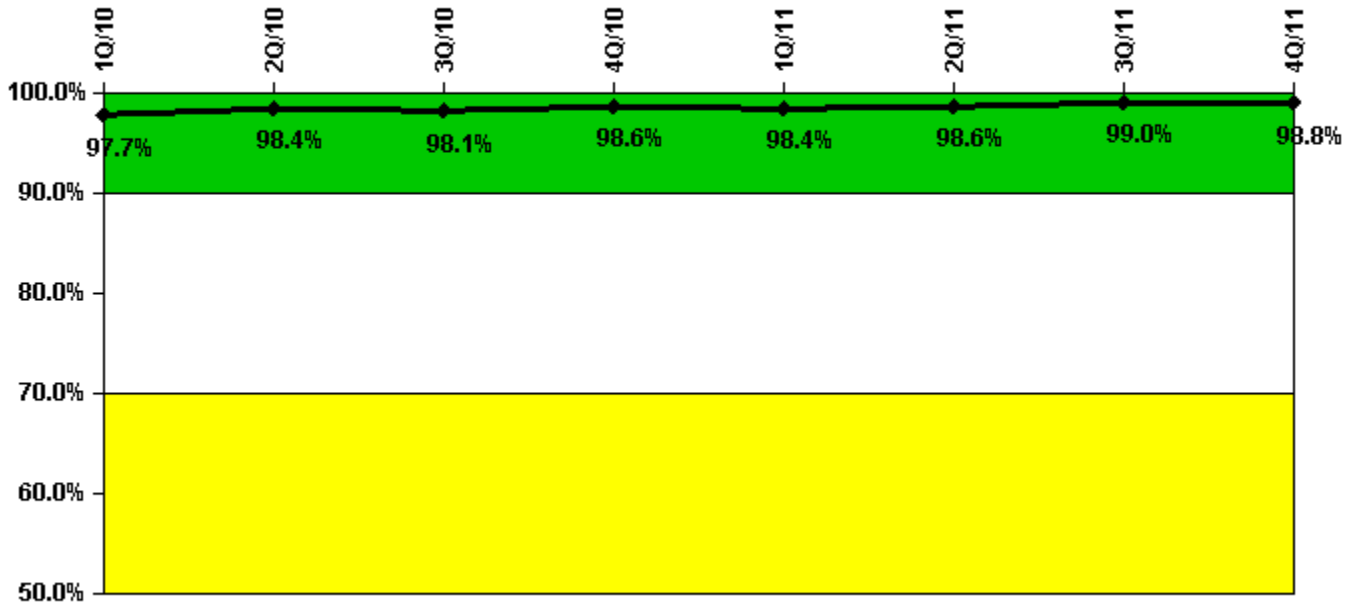
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	0.030	0.030	0.080	0.090	N/A	0.035	0.045	0.094	0.070	0.230	0.010	0.010
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	0.8	0.9	N/A	0.4	0.5	0.9	0.7	2.3	0.1	0.1
Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.030	0.100	0.080	0.050	0.060	0.010	0.009	0.025	0.004	0.030	0.005	N/A
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	1.0	0.8	0.5	0.6	0.1	0.1	0.3	0	0.3	0.1	N/A

Licensee Comments: none

## Drill/Exercise Performance



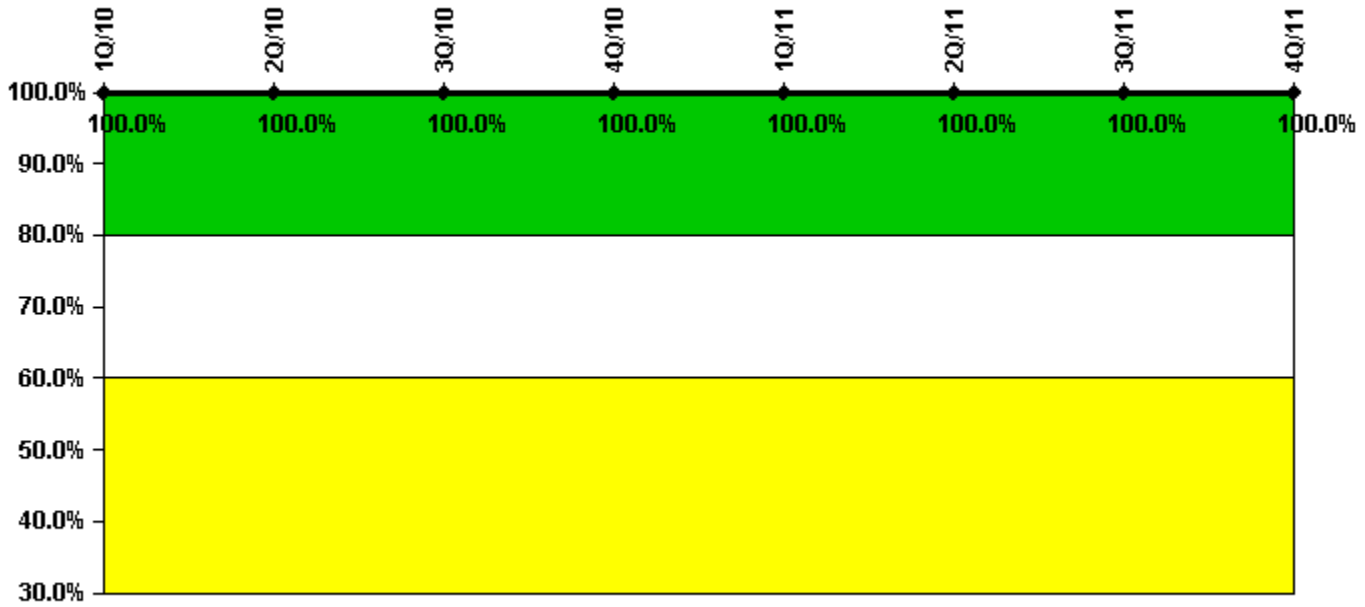
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	21.0	9.0	76.0	52.0	0	69.0	85.0	9.0
Total opportunities	21.0	9.0	78.0	52.0	0	69.0	86.0	10.0
Indicator value	97.7%	98.4%	98.1%	98.6%	98.4%	98.6%	99.0%	98.8%

Licensee Comments: none

# ERO Drill Participation



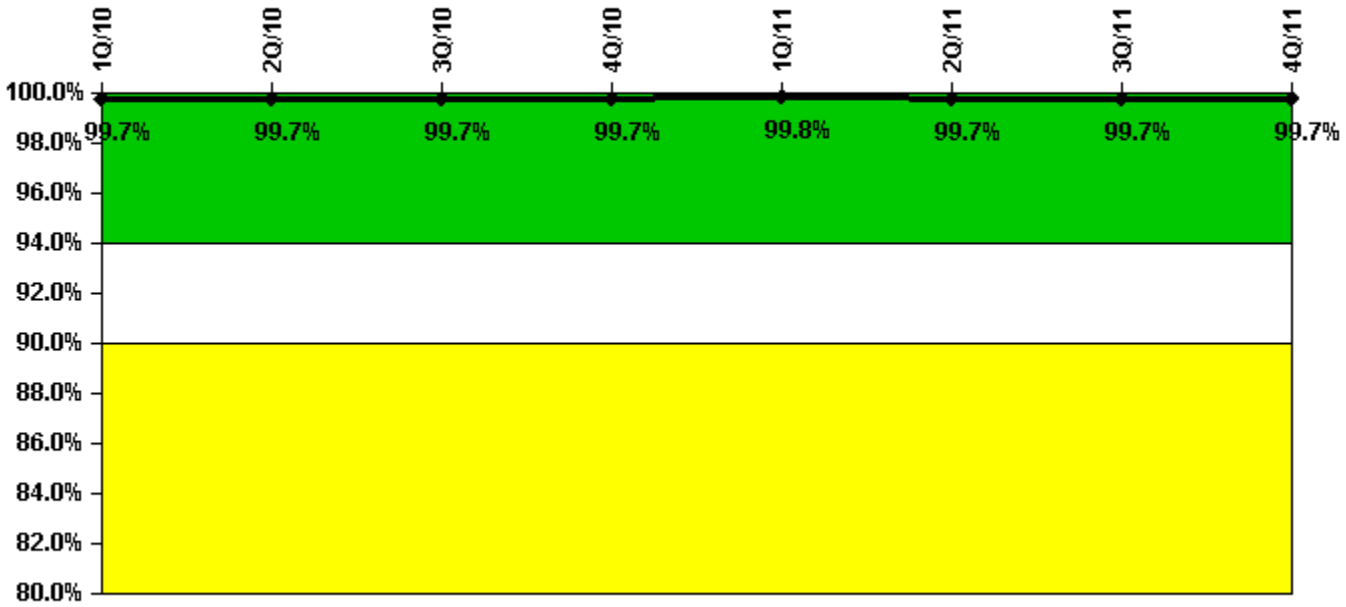
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	93.0	91.0	88.0	85.0	83.0	88.0	105.0	95.0
Total Key personnel	93.0	91.0	88.0	85.0	83.0	88.0	105.0	95.0
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	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	627	718	628	718	630	715	629	719
Total sirens-tests	630	720	630	720	630	720	630	720
Indicator value	99.7%	99.7%	99.7%	99.7%	99.8%	99.7%	99.7%	99.7%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
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>0</b>	<b>0</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	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
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.