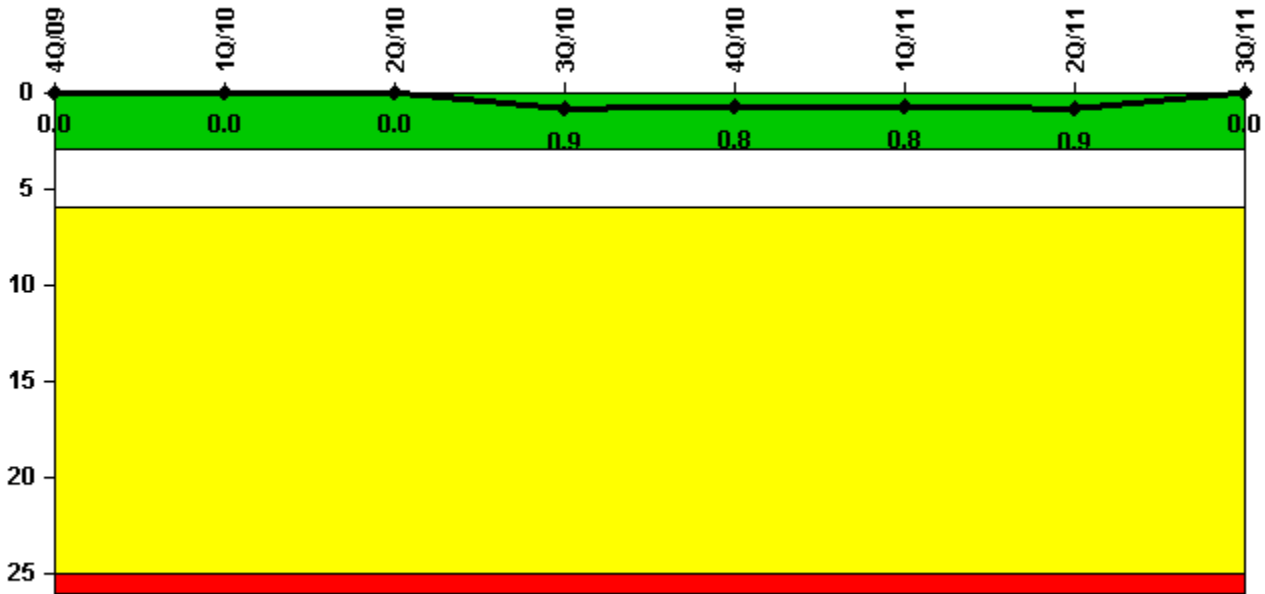


# South Texas 1

## 3Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



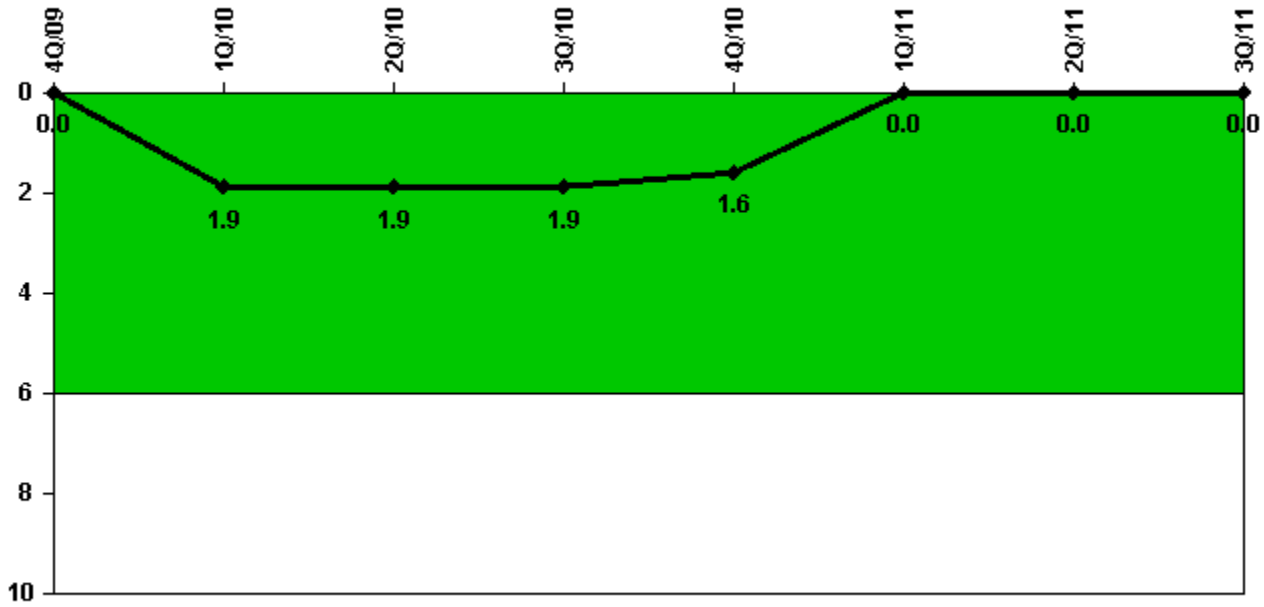
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	1048.2	2032.2	2184.0	2185.1	2209.0	2159.0	1366.2	2208.0
Indicator value	0	0	0	0.9	0.8	0.8	0.9	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	0	2.0	0	0	0	0	0	0
Critical hours	1048.2	2032.2	2184.0	2185.1	2209.0	2159.0	1366.2	2208.0
Indicator value	0	1.9	1.9	1.9	1.6	0	0	0

Licensee Comments: none

# Unplanned Scrams with Complications



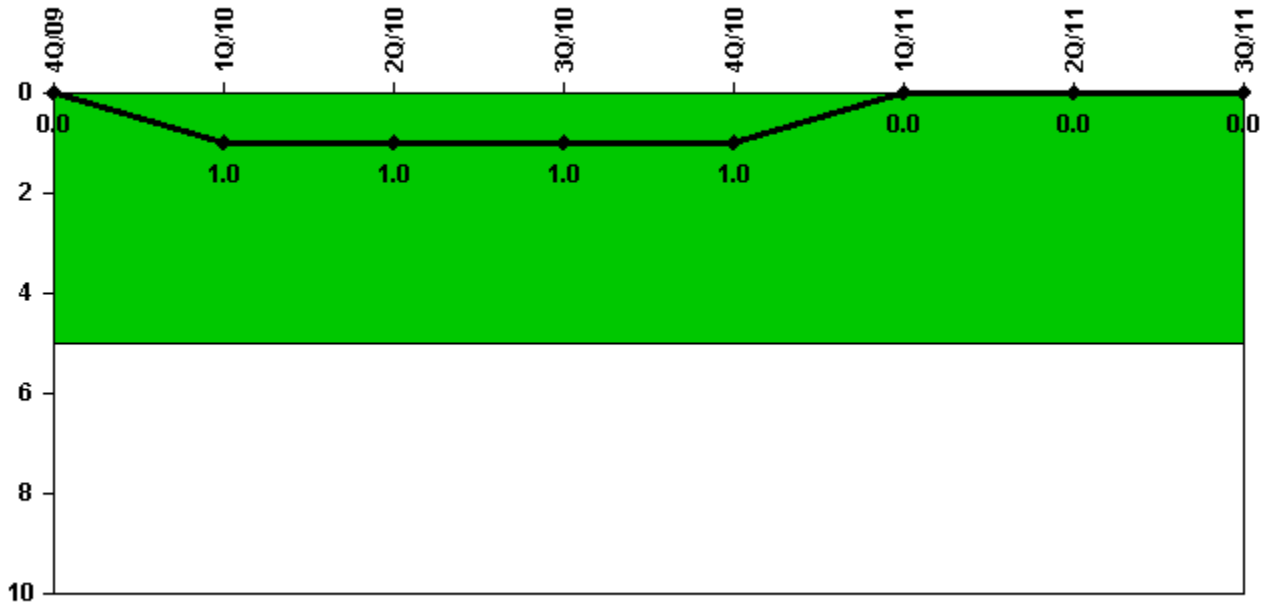
Thresholds: White > 1.0

## Notes

Unplanned Scrams with Complications	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
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)



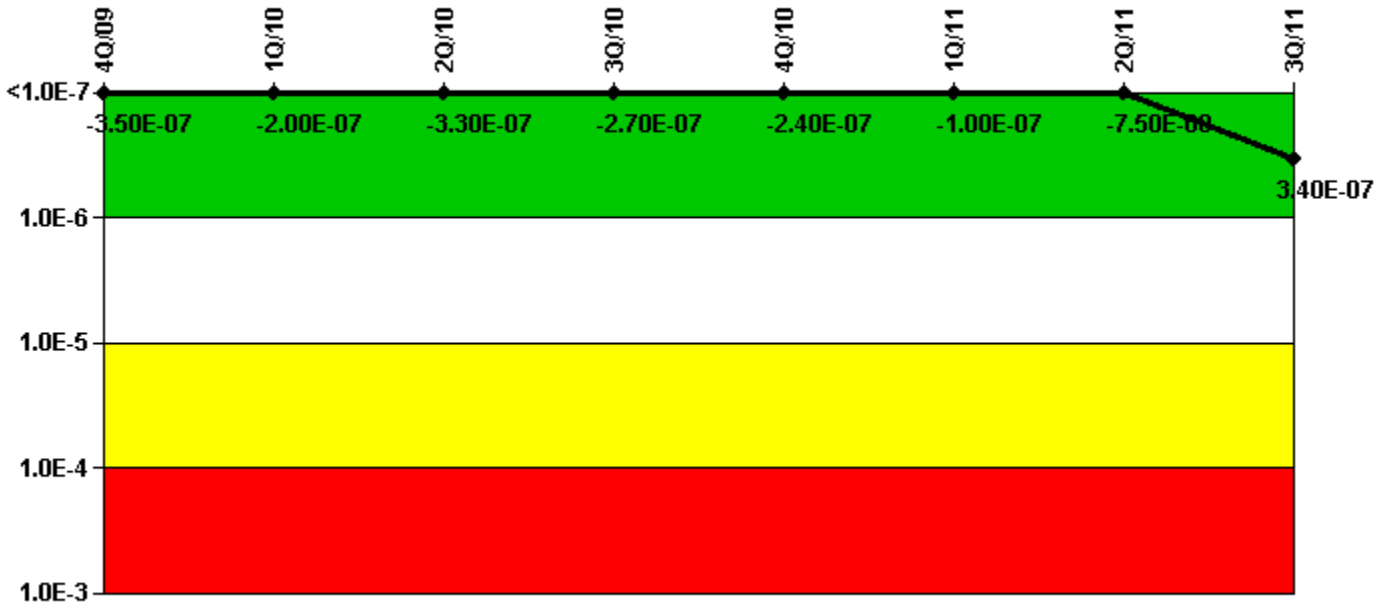
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	0	1	1	1	1	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

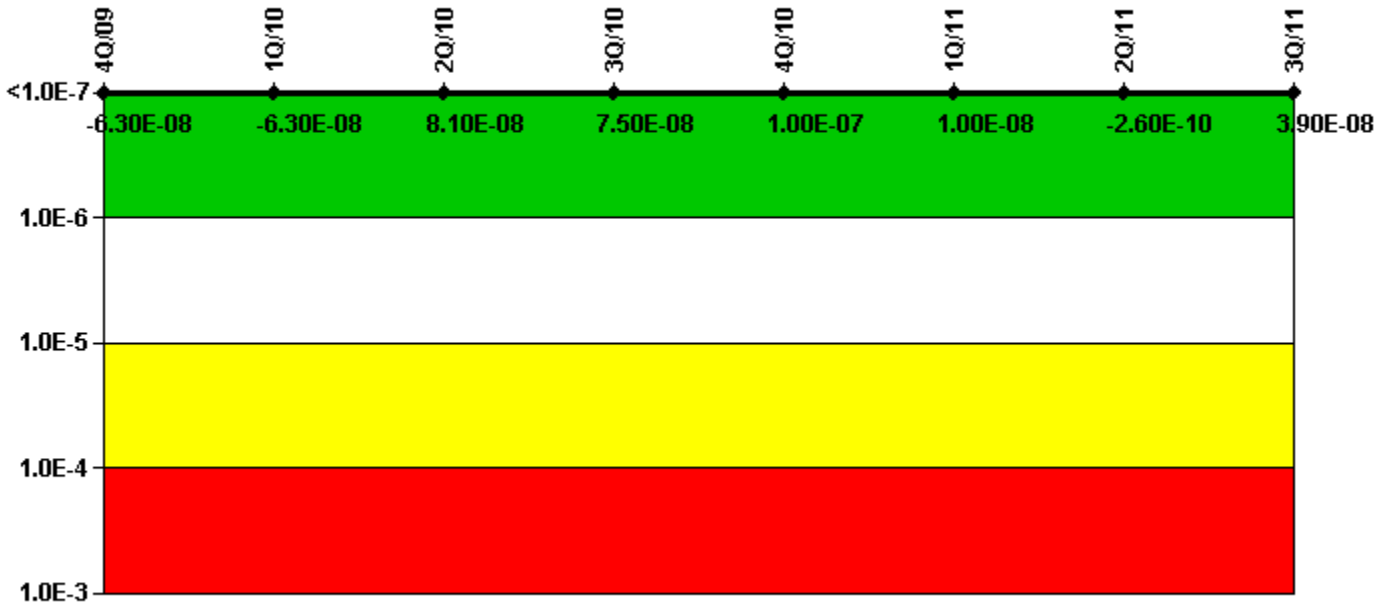
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	2.00E-07	3.35E-07	1.82E-07	2.21E-07	2.53E-07	3.92E-07	4.19E-07	7.17E-07
URI (ΔCDF)	-5.50E-07	-5.32E-07	-5.14E-07	-4.95E-07	-4.95E-07	-4.95E-07	-4.95E-07	-3.74E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.50E-07	-2.00E-07	-3.30E-07	-2.70E-07	-2.40E-07	-1.00E-07	-7.50E-08	3.40E-07

Licensee Comments:

3Q/11: The Planned UA Baseline coefficient for EDG B (DG 12 Unit 1) was updated to reflect planned 5 year preventive maintenance in January 2010. These hours had not been incorporated into the bases document/CDE database previously. Reference CR 11-542-7. The Planned UA Baseline coefficient for EDG C (DG 13 Unit 1) was updated to reflect planned 5 year preventive maintenance in November 2009. These hours had not been incorporated into the bases document/CDE database previously. Reference CR 11-542-7. These changes will be effective 4Q11.

# Mitigating Systems Performance Index, High Pressure Injection System



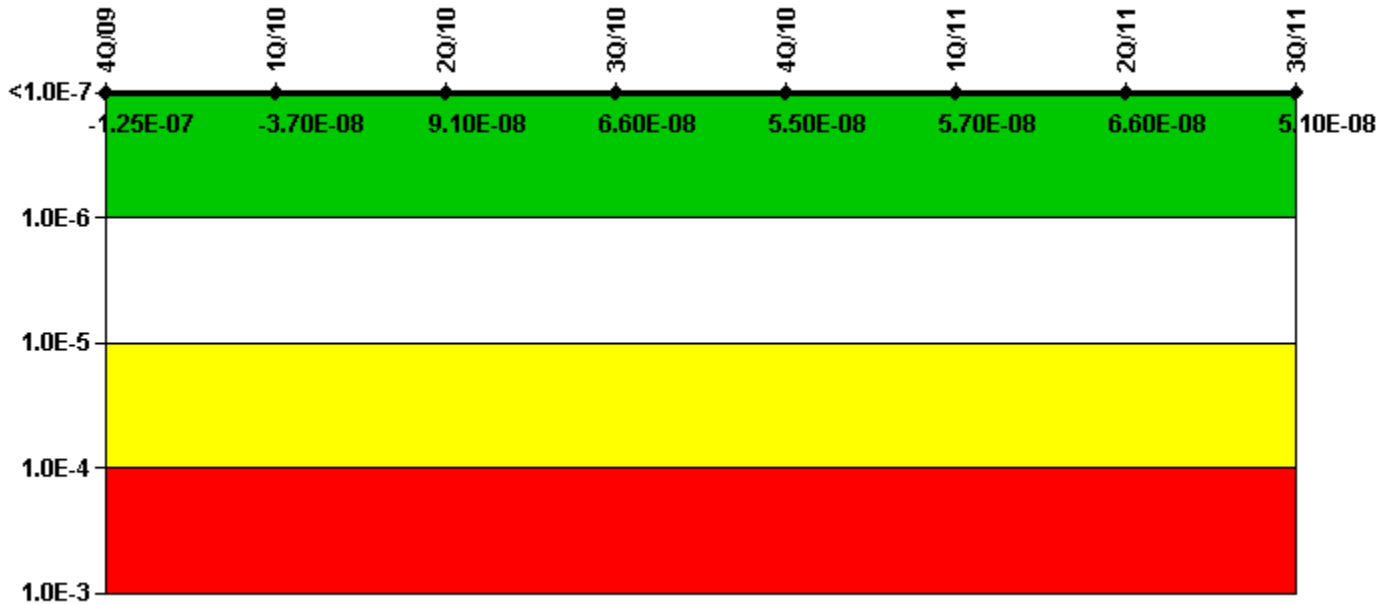
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	$-5.10E-08$	$-5.11E-08$	$9.23E-08$	$8.70E-08$	$1.13E-07$	$2.18E-08$	$1.14E-08$	$5.06E-08$
URI ( $\Delta$ CDF)	$-1.20E-08$	$-1.16E-08$	$-1.16E-08$	$-1.16E-08$	$-1.16E-08$	$-1.16E-08$	$-1.16E-08$	$-1.16E-08$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$-6.30E-08$	$-6.30E-08$	$8.10E-08$	$7.50E-08$	$1.00E-07$	$1.00E-08$	$-2.60E-10$	$3.90E-08$

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



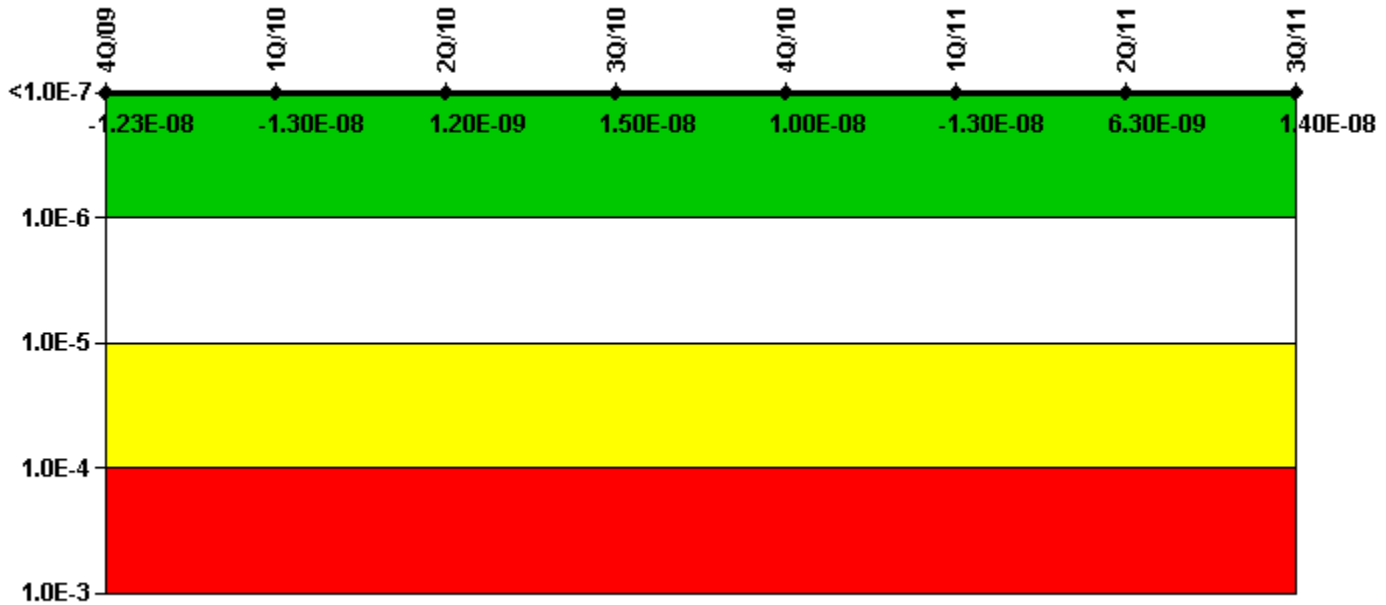
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	-3.80E-08	4.99E-08	1.78E-07	1.54E-07	1.42E-07	1.44E-07	1.53E-07	1.37E-07
URI ( $\Delta$ CDF)	-8.70E-08	-8.71E-08	-8.68E-08	-8.77E-08	-8.73E-08	-8.69E-08	-8.62E-08	-8.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.25E-07	-3.70E-08	9.10E-08	6.60E-08	5.50E-08	5.70E-08	6.60E-08	5.10E-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

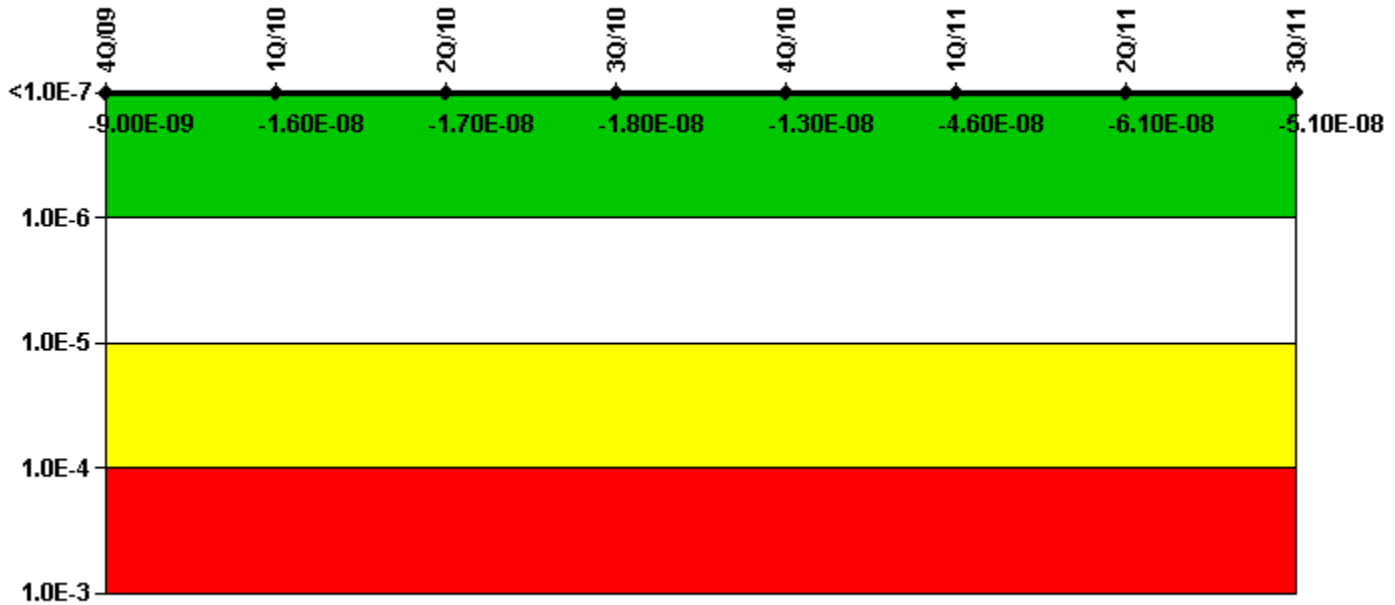
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	-1.00E-08	-1.03E-08	3.46E-09	1.72E-08	1.27E-08	-1.03E-08	8.51E-09	1.59E-08
URI ( $\Delta$ CDF)	-2.30E-09	-2.31E-09	-2.28E-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	-1.23E-08	-1.30E-08	1.20E-09	1.50E-08	1.00E-08	-1.30E-08	6.30E-09	1.40E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



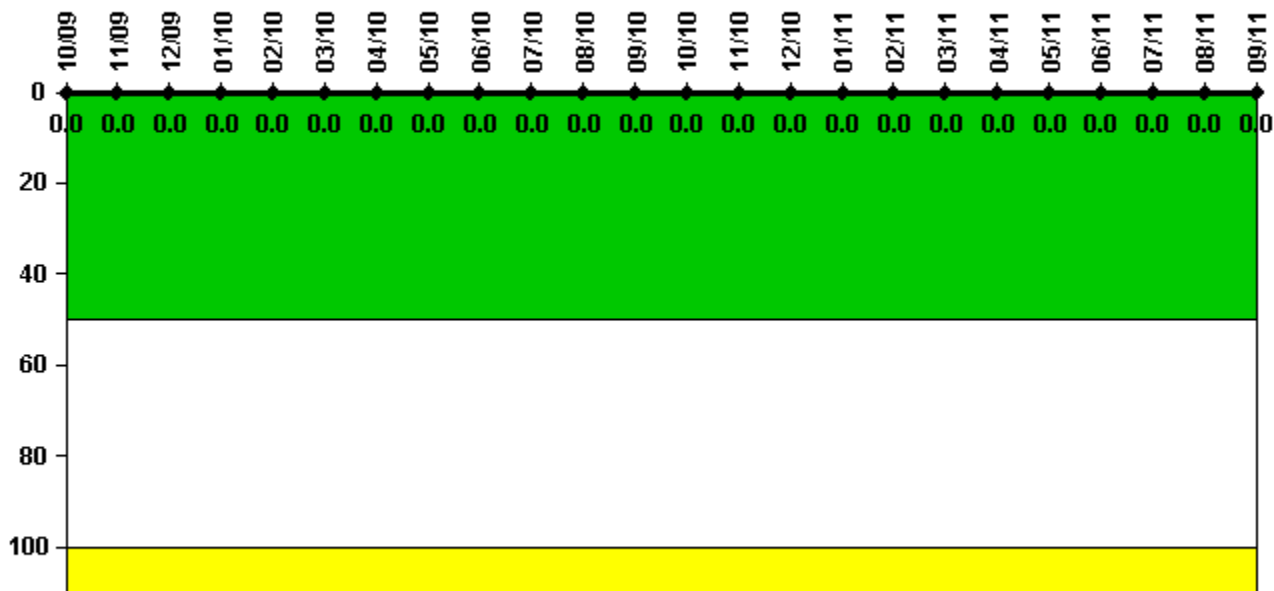
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	3.50E-08	2.63E-08	2.38E-08	2.21E-08	2.61E-08	-5.98E-09	-2.16E-08	-1.11E-08
URI ( $\Delta$ CDF)	-4.40E-08	-4.25E-08	-4.10E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.00E-09	-1.60E-08	-1.70E-08	-1.80E-08	-1.30E-08	-4.60E-08	-6.10E-08	-5.10E-08

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

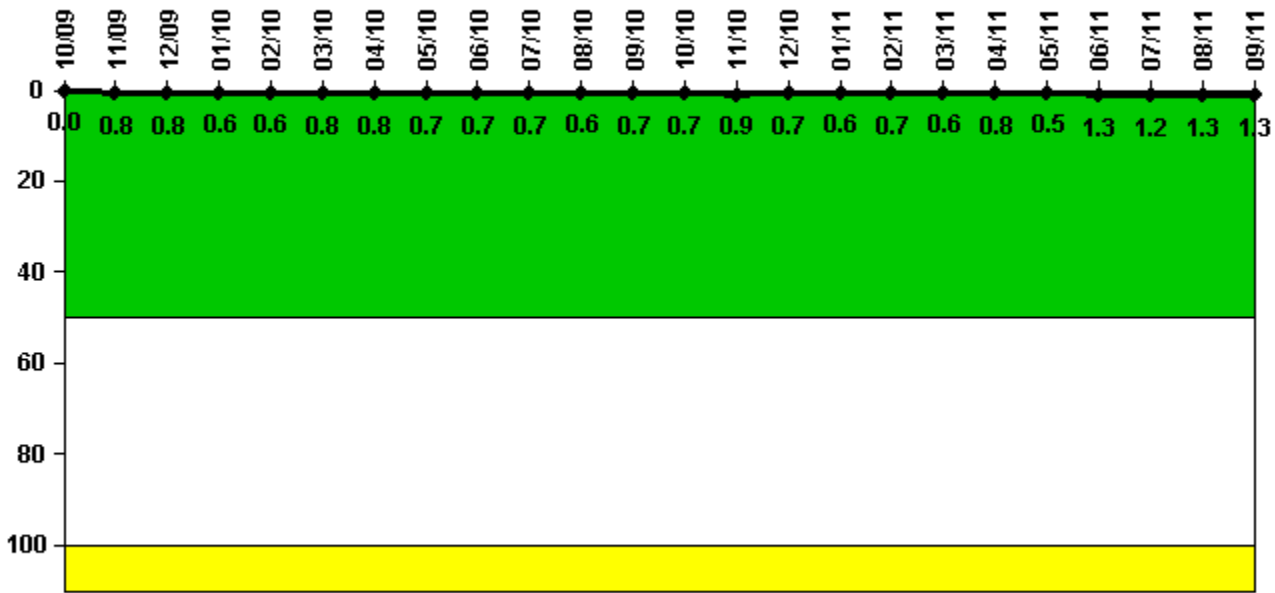
Reactor Coolant System Activity	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	0	0.000043	0.000048	0.000087	0.000042	0.000050	0.000050	0.000049	0.000061	0.000082	0.000065	0.000064
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum activity	0.000063	0.000073	0.000077	0.000073	0.000071	0.000072	0	0.000042	0.000042	0.000045	0.000044	0.000050
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



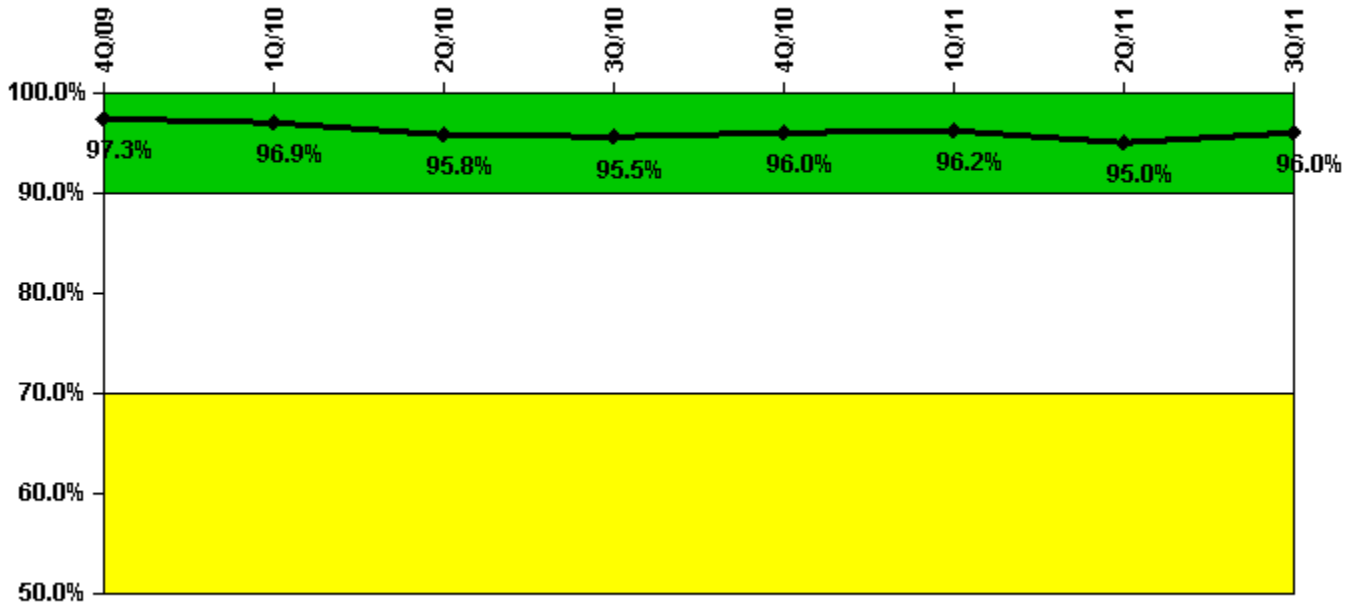
Thresholds: White > 50.0 Yellow > 100.0

### Notes

<b>Reactor Coolant System Leakage</b>	<b>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>	<b>7/10</b>	<b>8/10</b>	<b>9/10</b>
Maximum leakage	0	0.075	0.084	0.059	0.064	0.076	0.076	0.074	0.072	0.069	0.060	0.070
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	0.8	0.8	0.6	0.6	0.8	0.8	0.7	0.7	0.7	0.6	0.7
<b>Reactor Coolant System Leakage</b>	<b>10/10</b>	<b>11/10</b>	<b>12/10</b>	<b>1/11</b>	<b>2/11</b>	<b>3/11</b>	<b>4/11</b>	<b>5/11</b>	<b>6/11</b>	<b>7/11</b>	<b>8/11</b>	<b>9/11</b>
Maximum leakage	0.066	0.091	0.065	0.063	0.067	0.055	0.078	0.052	0.133	0.118	0.126	0.134
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	0.7	0.9	0.7	0.6	0.7	0.6	0.8	0.5	1.3	1.2	1.3	1.3

Licensee Comments: none

## Drill/Exercise Performance



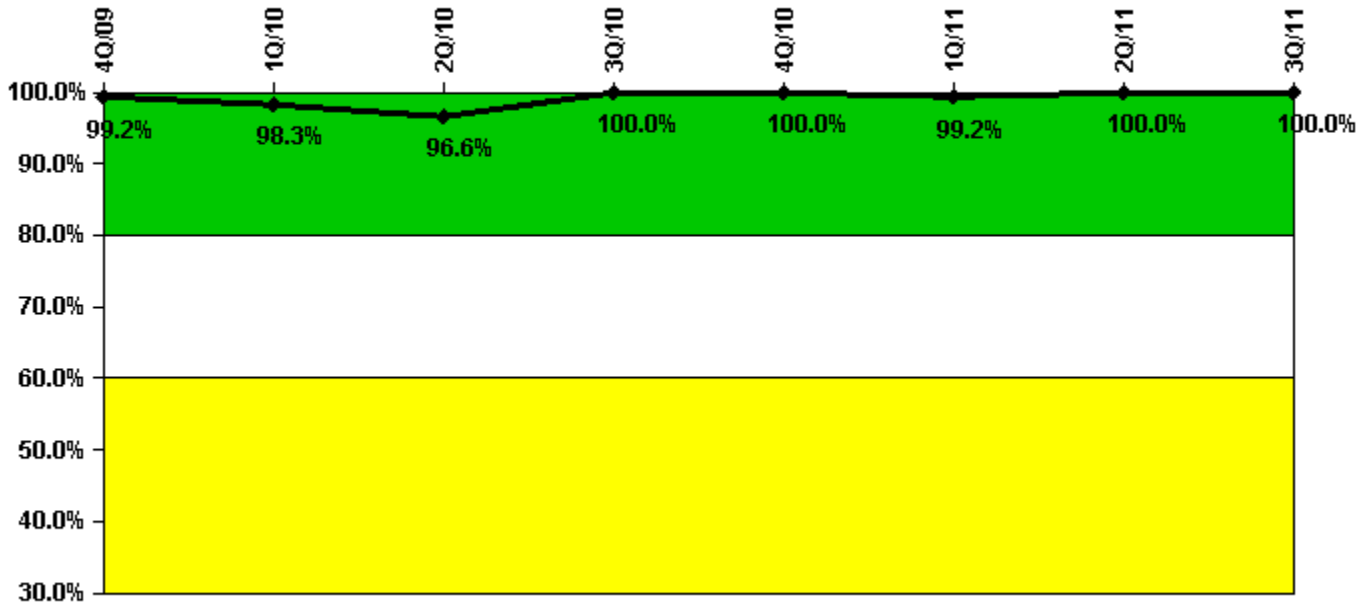
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	0	1.0	9.0	68.0	110.0	14.0	10.0	102.0
Total opportunities	0	2.0	11.0	73.0	113.0	14.0	10.0	104.0
Indicator value	97.3%	96.9%	95.8%	95.5%	96.0%	96.2%	95.0%	96.0%

Licensee Comments: none

# ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

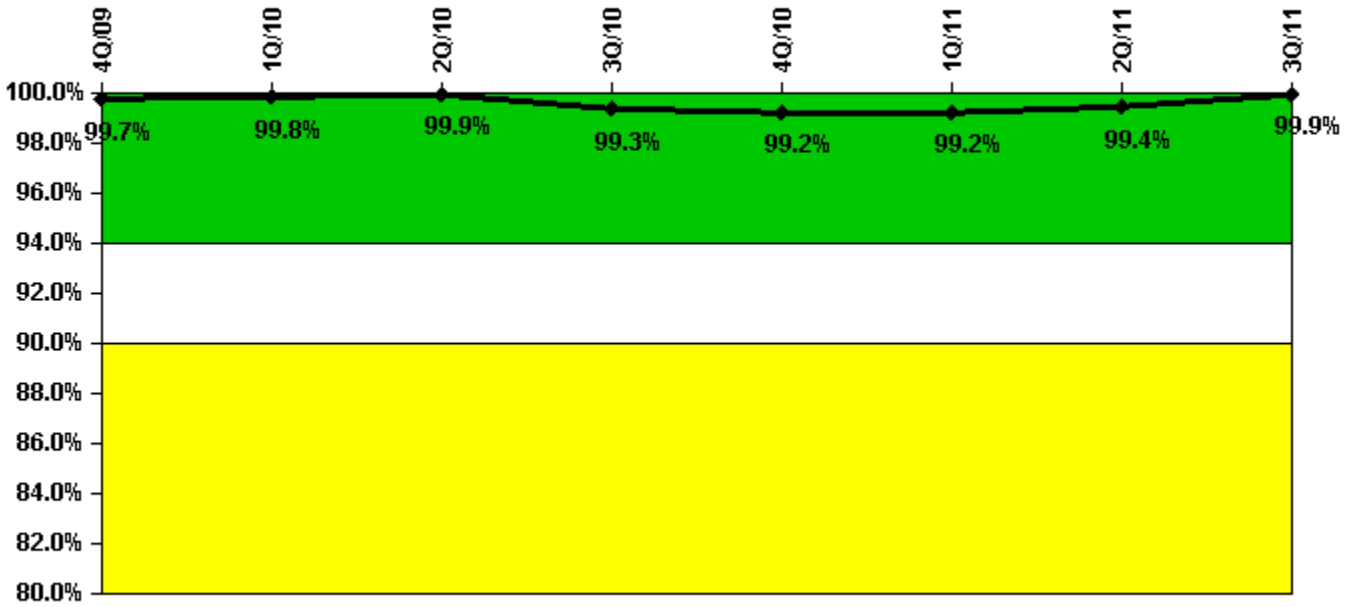
## Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	129.0	114.0	113.0	117.0	126.0	125.0	125.0	138.0
Total Key personnel	130.0	116.0	117.0	117.0	126.0	126.0	125.0	138.0
Indicator value	99.2%	98.3%	96.6%	100.0%	100.0%	99.2%	100.0%	100.0%

Licensee Comments: none

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# Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	224	256	191	219	223	256	224	256
Total sirens-tests	224	256	192	224	224	256	224	256
Indicator value	99.7%	99.8%	99.9%	99.3%	99.2%	99.2%	99.4%	99.9%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



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

## Notes

Occupational Exposure Control Effectiveness	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/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

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# RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

## Notes

RETS/ODCM Radiological Effluent	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/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.