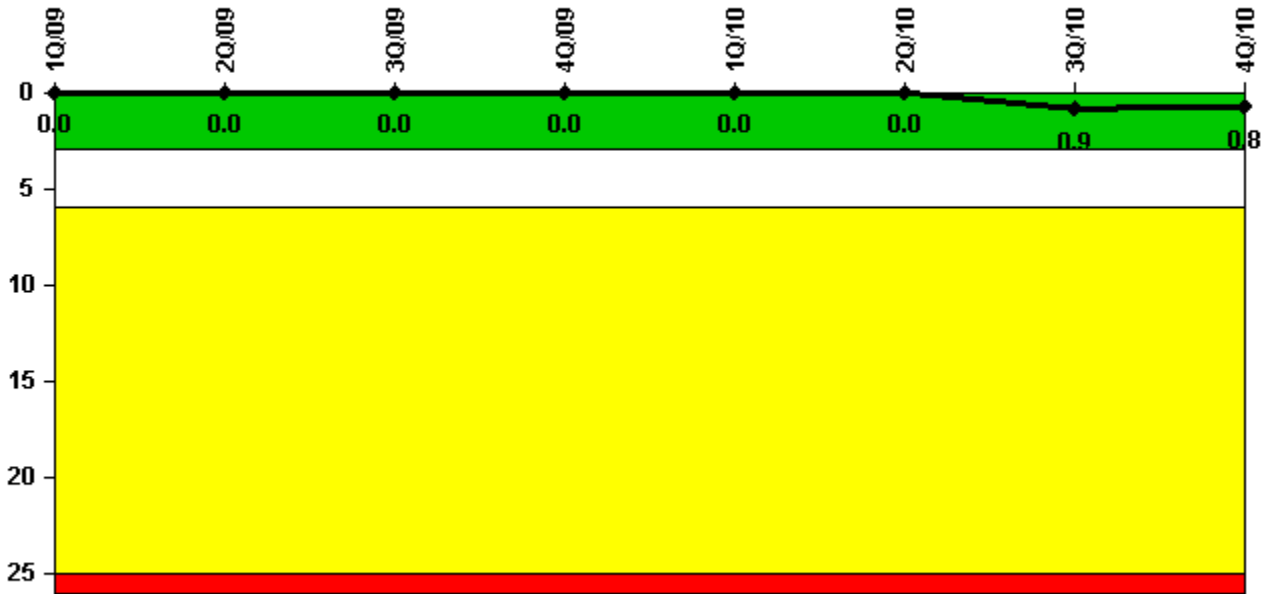


# South Texas 1

## 4Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



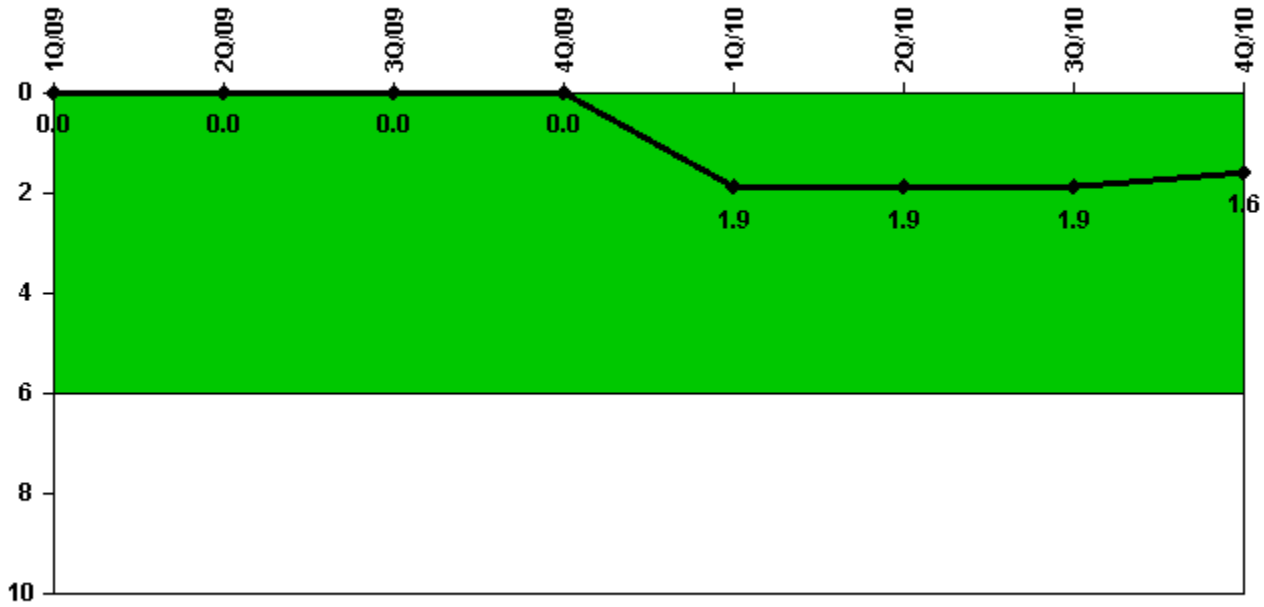
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2159.0	2184.0	2207.4	1048.2	2032.2	2184.0	2185.1	2209.0
Indicator value	0	0	0	0	0	0	0.9	0.8

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



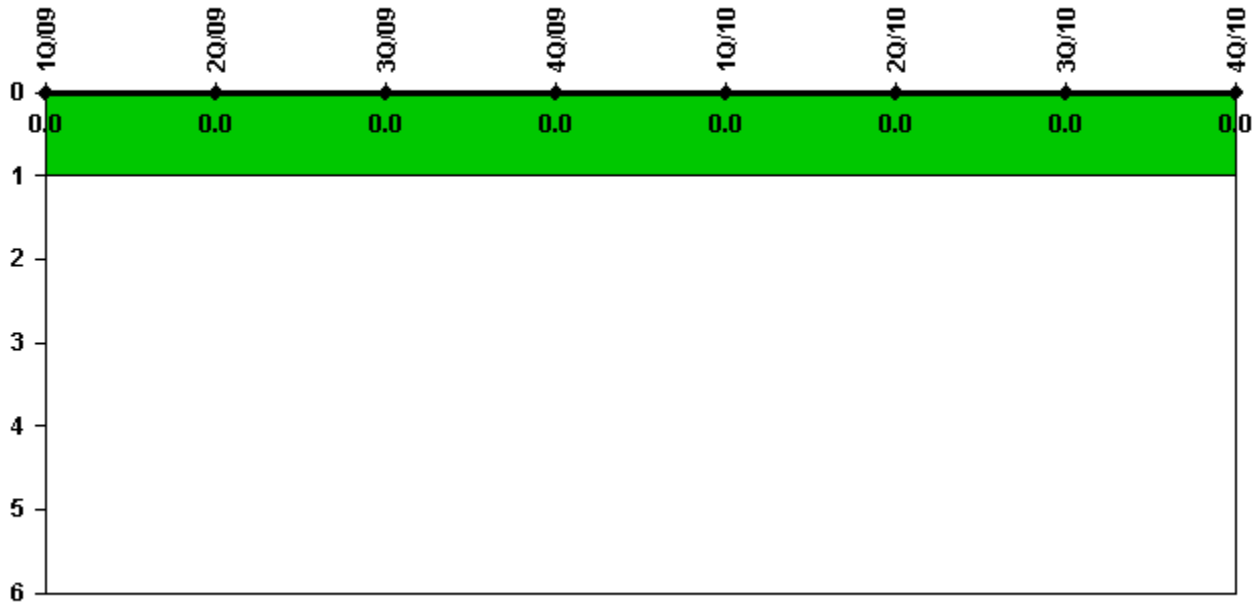
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	0	0	0	0	2.0	0	0	0
Critical hours	2159.0	2184.0	2207.4	1048.2	2032.2	2184.0	2185.1	2209.0
Indicator value	0	0	0	0	1.9	1.9	1.9	1.6

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

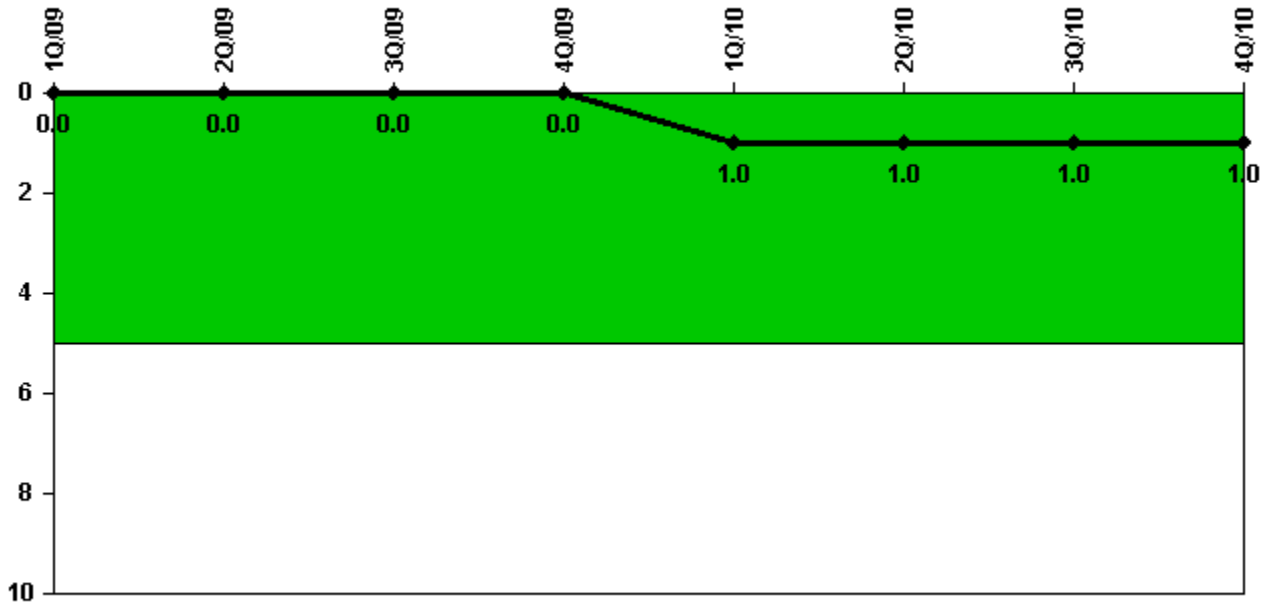
### Notes

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

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## Safety System Functional Failures (PWR)



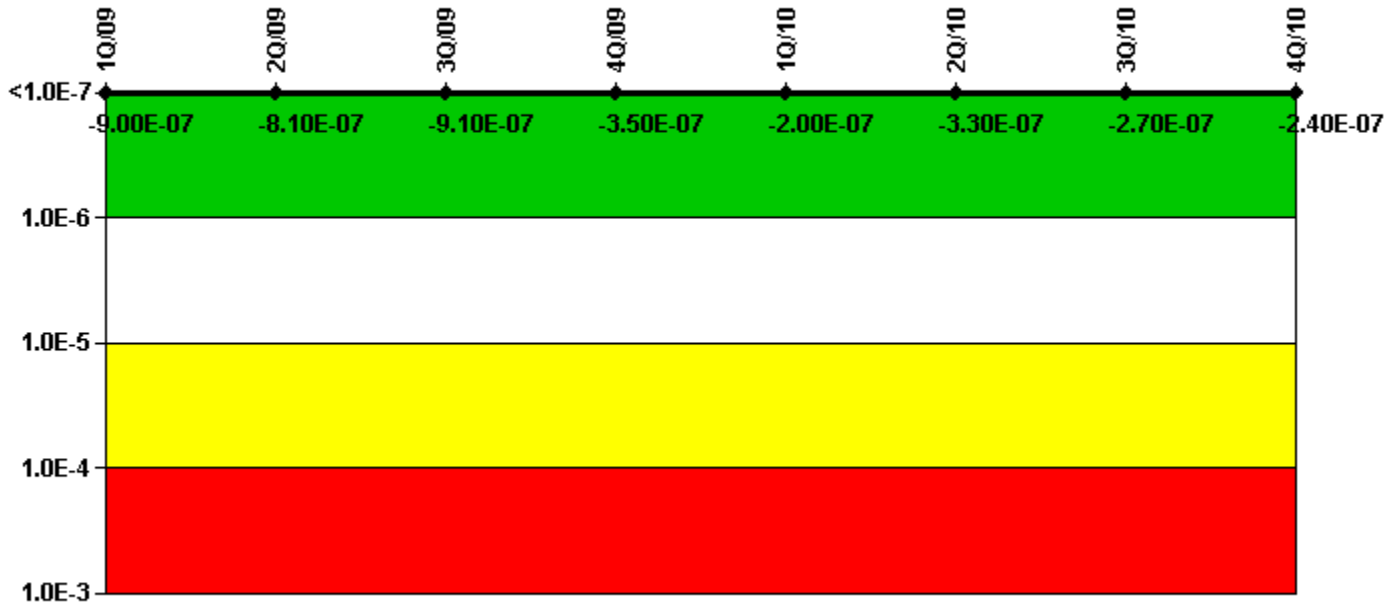
Thresholds: White > 5.0

### Notes

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

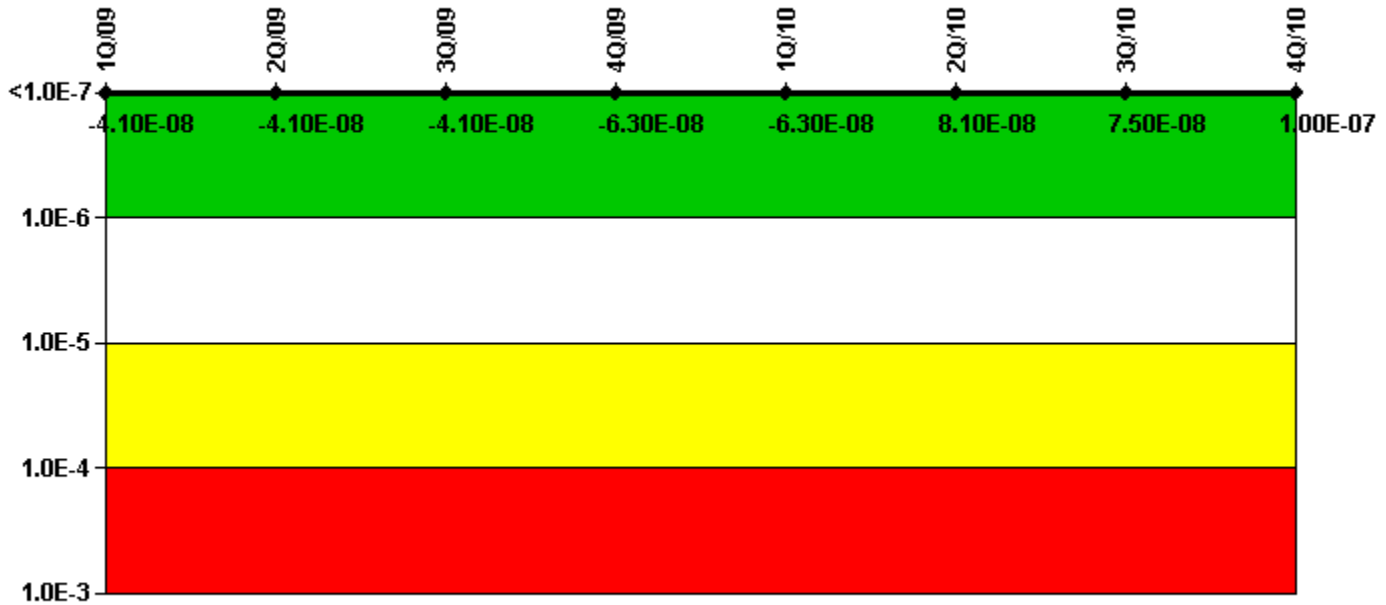
Mitigating Systems Performance Index, Emergency AC Power System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	-2.30E-07	-1.60E-07	-1.10E-07	2.00E-07	3.35E-07	1.82E-07	2.21E-07	2.53E-07
URI ( $\Delta$ CDF)	-6.70E-07	-6.50E-07	-8.00E-07	-5.50E-07	-5.32E-07	-5.14E-07	-4.95E-07	-4.95E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.00E-07	-8.10E-07	-9.10E-07	-3.50E-07	-2.00E-07	-3.30E-07	-2.70E-07	-2.40E-07

Licensee Comments:

4Q/10: Corrected September 2010 ESF non-test demands and run hours reported for Diesel B Train (CR 11-415). These corrections did not result in change of color for the PI. Planned UA Baseline and MSPI Bases Document for DG11 were updated to reflect planned ELCO/EAOT 5 year surveillance in Jan 2011.

3Q/10: Corrected September 2010 demands and run hours reported for Cooling Water, Heat Removal and Diesel B Train (CR 11-415).

# Mitigating Systems Performance Index, High Pressure Injection System



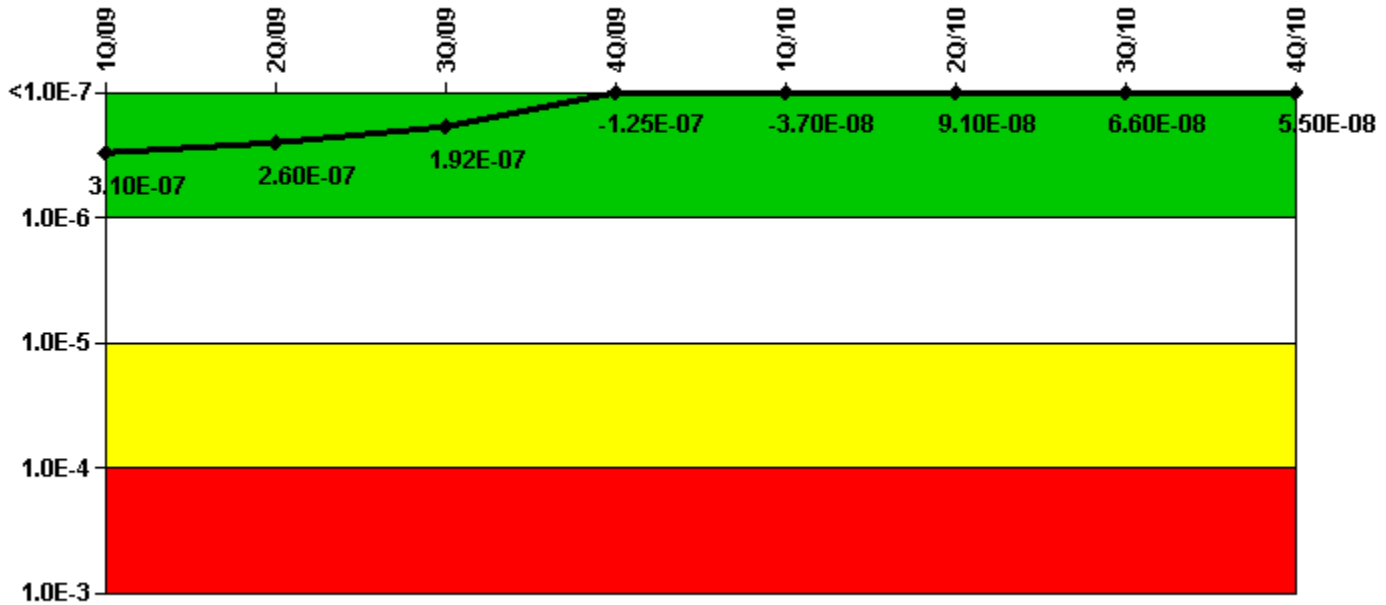
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	-2.70E-08	-2.70E-08	-2.70E-08	-5.10E-08	-5.11E-08	9.23E-08	8.70E-08	1.13E-07
URI ( $\Delta$ CDF)	-1.40E-08	-1.40E-08	-1.40E-08	-1.20E-08	-1.16E-08	-1.16E-08	-1.16E-08	-1.16E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.10E-08	-4.10E-08	-4.10E-08	-6.30E-08	-6.30E-08	8.10E-08	7.50E-08	1.00E-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

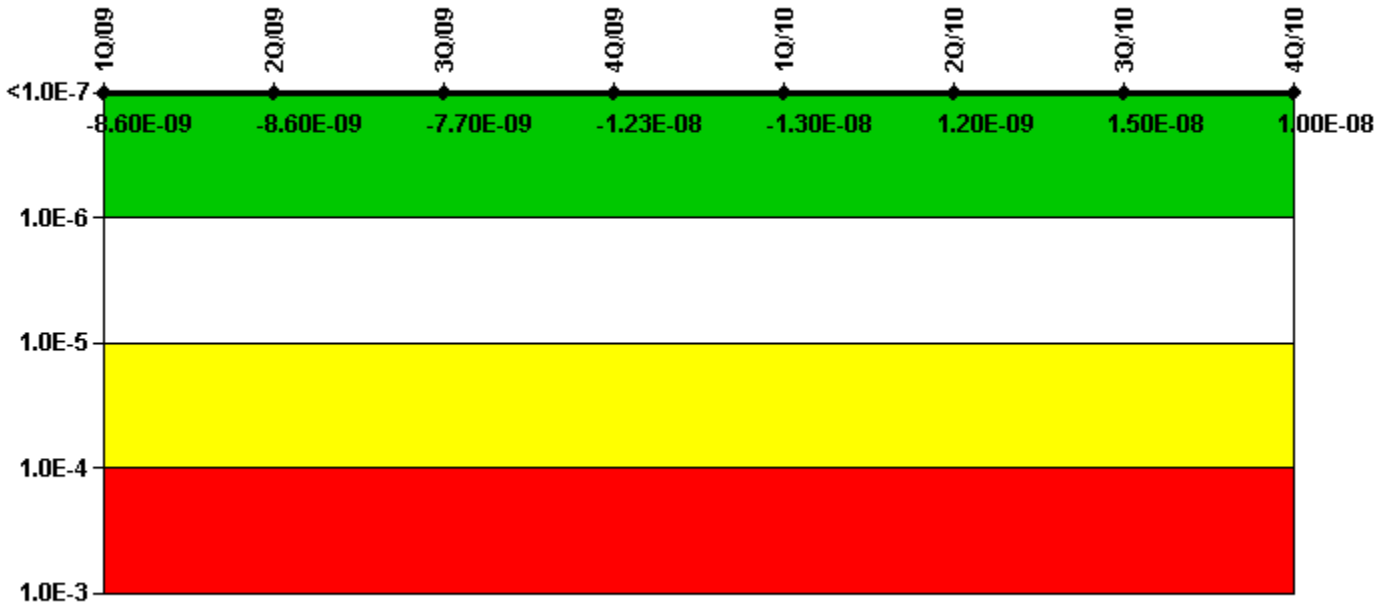
Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	1.50E-07	1.00E-07	3.20E-08	-3.80E-08	4.99E-08	1.78E-07	1.54E-07	1.42E-07
URI (ΔCDF)	1.60E-07	1.60E-07	1.60E-07	-8.70E-08	-8.71E-08	-8.68E-08	-8.77E-08	-8.73E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.10E-07	2.60E-07	1.92E-07	-1.25E-07	-3.70E-08	9.10E-08	6.60E-08	5.50E-08

Licensee Comments:

4Q/10: Corrected September 2010 ESF non-test demands and run hours reported for Heat Removal System for B Train (CR 11-415). These corrections did not result in change of color for the PI.

3Q/10: Corrected September 2010 demands and run hours reported for Cooling Water, Heat Removal and Diesel B Train (CR 11-415).

# Mitigating Systems Performance Index, Residual Heat Removal System



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

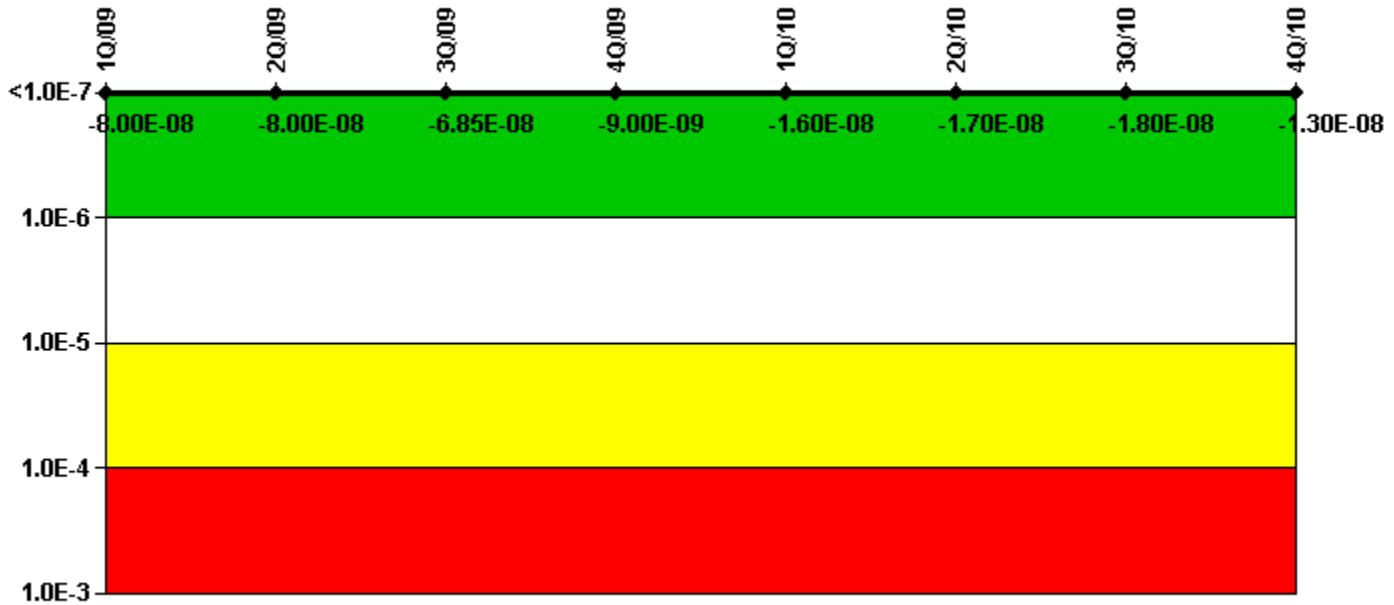
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	-5.70E-09	-5.70E-09	-4.90E-09	-1.00E-08	-1.03E-08	3.46E-09	1.72E-08	1.27E-08
URI ( $\Delta$ CDF)	-2.90E-09	-2.90E-09	-2.80E-09	-2.30E-09	-2.31E-09	-2.28E-09	-2.25E-09	-2.25E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.60E-09	-8.60E-09	-7.70E-09	-1.23E-08	-1.30E-08	1.20E-09	1.50E-08	1.00E-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

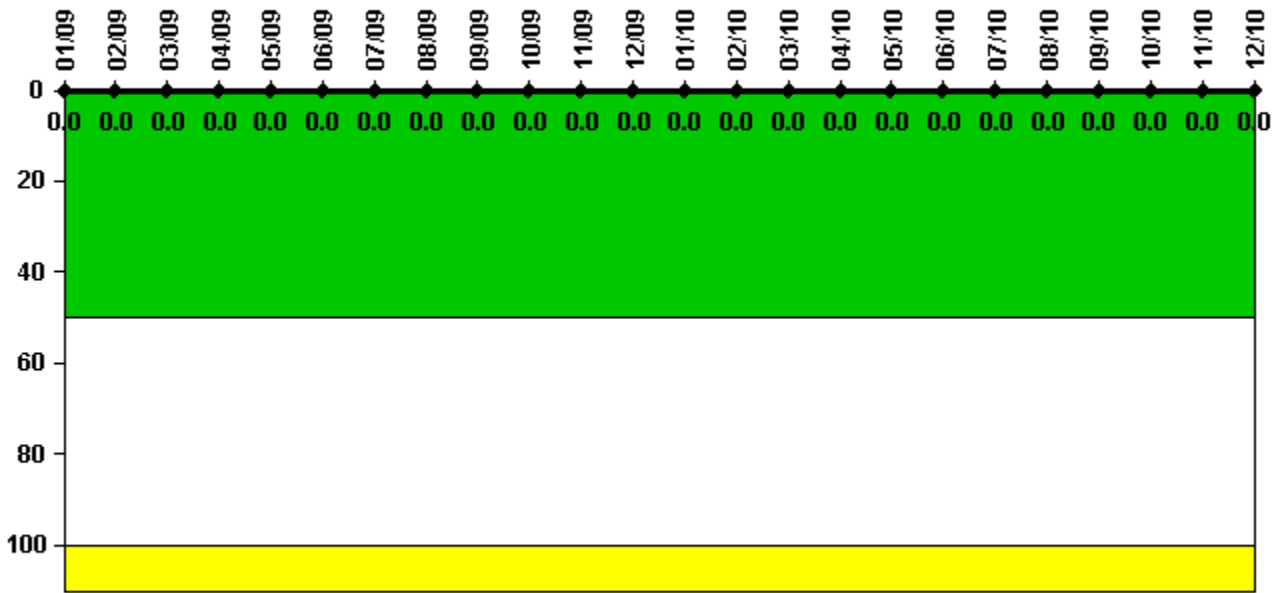
Mitigating Systems Performance Index, Cooling Water Systems	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI ( $\Delta$ CDF)	-1.20E-08	-1.30E-08	-3.50E-09	3.50E-08	2.63E-08	2.38E-08	2.21E-08	2.61E-08
URI ( $\Delta$ CDF)	-6.80E-08	-6.70E-08	-6.50E-08	-4.40E-08	-4.25E-08	-4.10E-08	-3.96E-08	-3.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.00E-08	-8.00E-08	-6.85E-08	-9.00E-09	-1.60E-08	-1.70E-08	-1.80E-08	-1.30E-08

Licensee Comments:

4Q/10: Corrected September 2010 ESF non-test demands and run hours reported for Cooling Water B Train (CR 11-415). These corrections did not result in change of color for the PI.

3Q/10: Corrected September 2010 demands and run hours reported for Cooling Water, Heat Removal and Diesel B Train (CR 11-415).

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

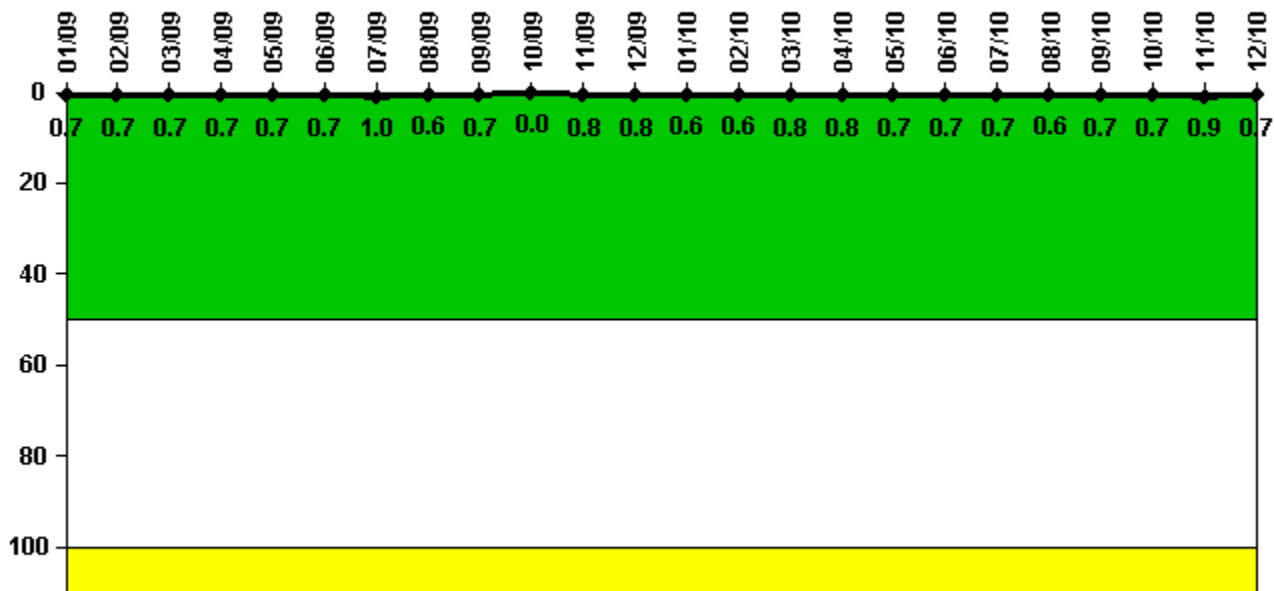
Reactor Coolant System Activity	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.000056	0.000053	0.000055	0.000057	0.000058	0.000060	0.000064	0.000062	0.000066	0	0.000043	0.000048
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	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	0.000087	0.000042	0.000050	0.000050	0.000049	0.000061	0.000082	0.000065	0.000064	0.000063	0.000073	0.000077
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



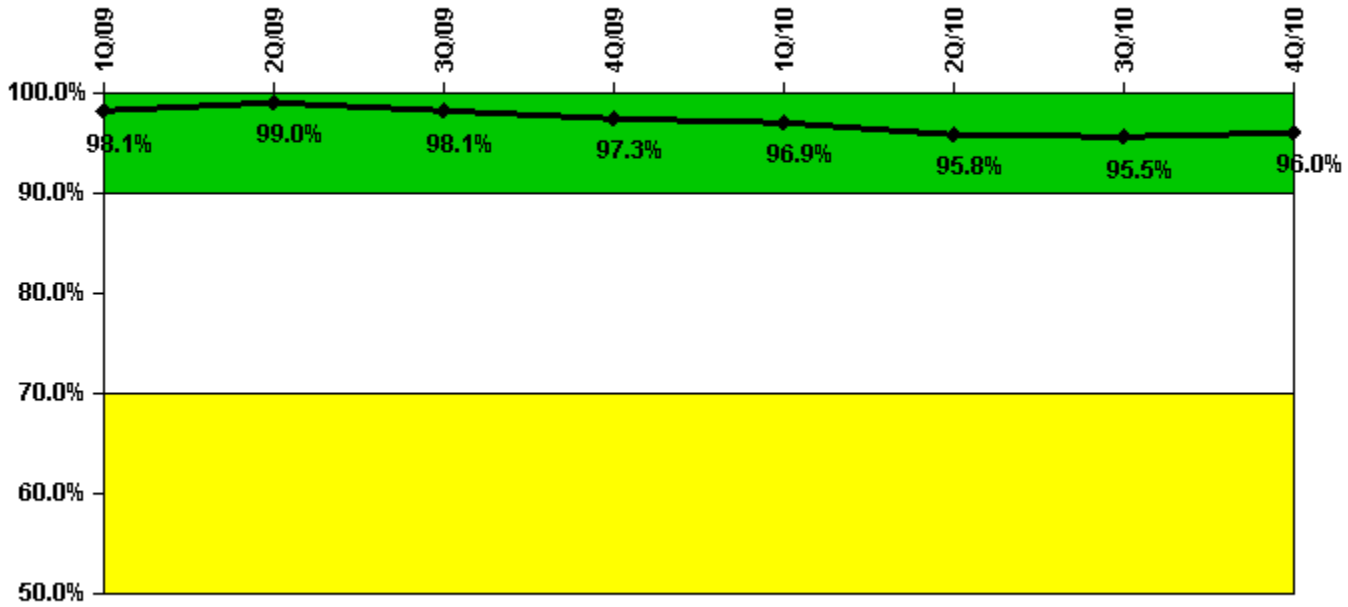
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	0.066	0.067	0.074	0.070	0.067	0.069	0.103	0.060	0.068	0	0.075	0.084
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	0.7	0.7	0.7	0.7	0.7	1.0	0.6	0.7	0	0.8	0.8
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	0.059	0.064	0.076	0.076	0.074	0.072	0.069	0.060	0.070	0.066	0.091	0.065
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	0.6	0.6	0.8	0.8	0.7	0.7	0.7	0.6	0.7	0.7	0.9	0.7

Licensee Comments: none

## Drill/Exercise Performance



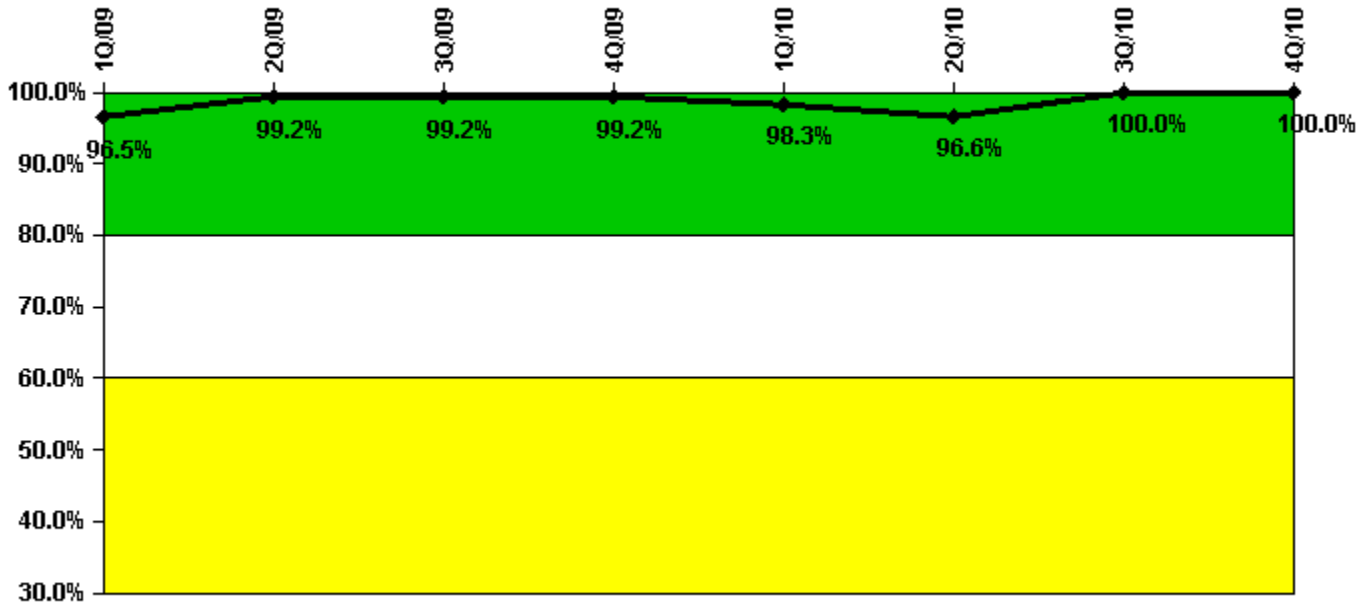
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	3.0	93.0	56.0	0	1.0	9.0	68.0	110.0
Total opportunities	3.0	93.0	59.0	0	2.0	11.0	73.0	113.0
Indicator value	98.1%	99.0%	98.1%	97.3%	96.9%	95.8%	95.5%	96.0%

Licensee Comments: none

# ERO Drill Participation



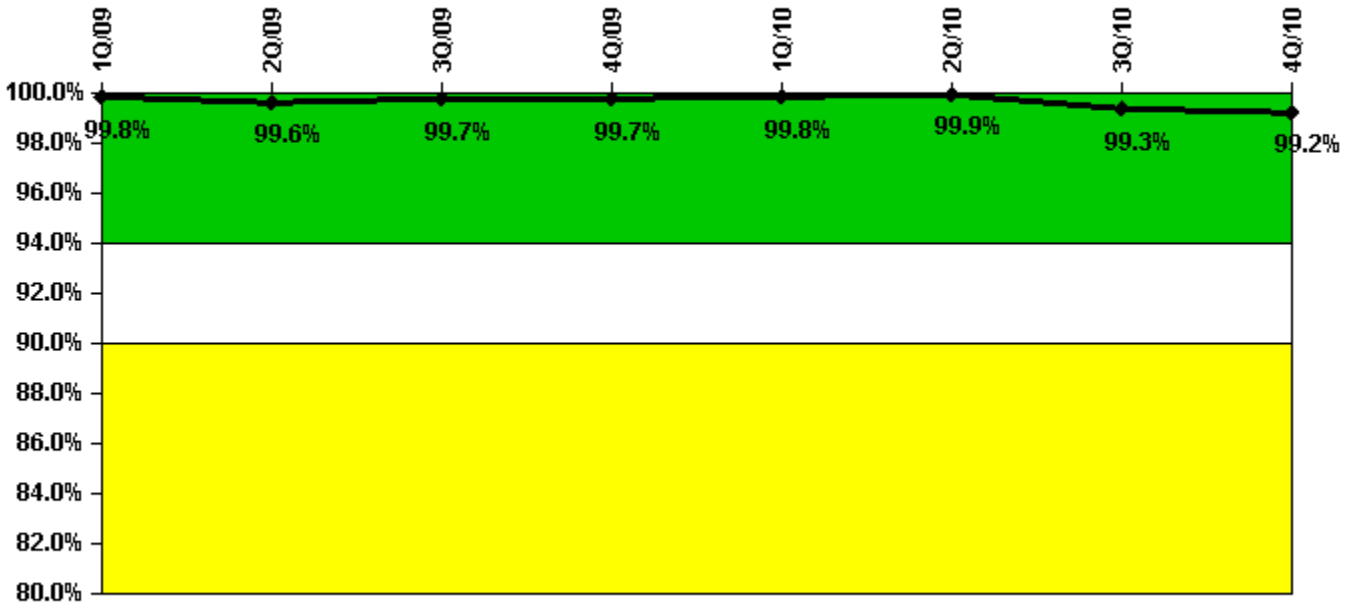
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Participating Key personnel	111.0	129.0	129.0	129.0	114.0	113.0	117.0	126.0
Total Key personnel	115.0	130.0	130.0	130.0	116.0	117.0	117.0	126.0
Indicator value	96.5%	99.2%	99.2%	99.2%	98.3%	96.6%	100.0%	100.0%

Licensee Comments: none

# Alert & Notification System



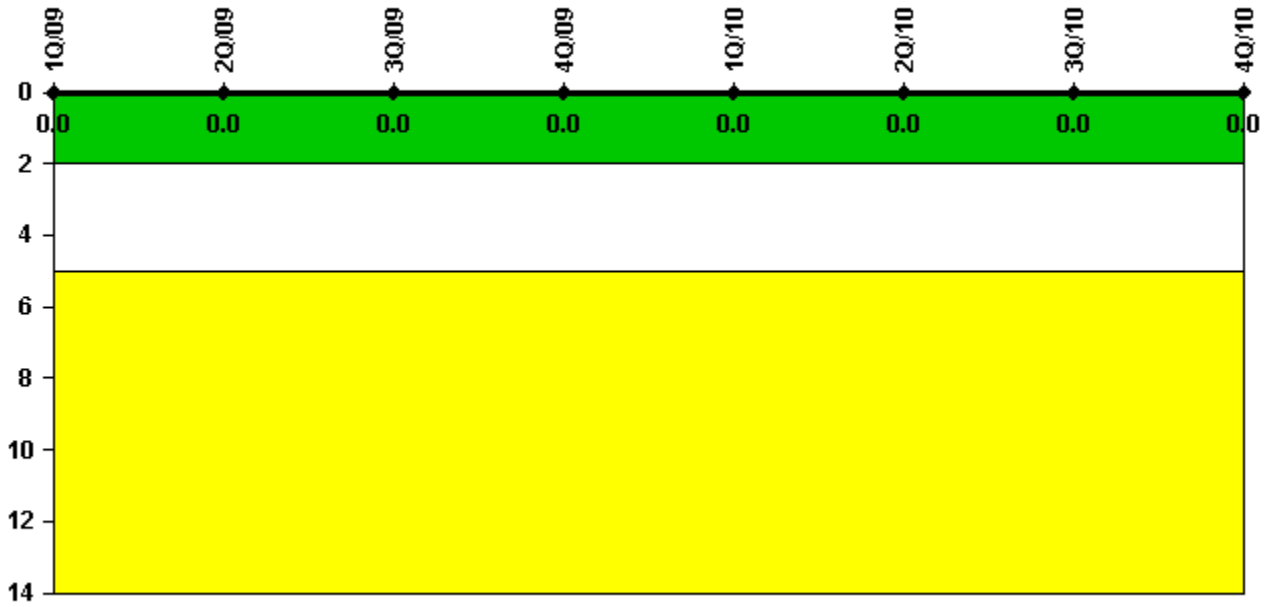
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	255	254	256	224	256	191	219	223
Total sirens-tests	256	256	256	224	256	192	224	224
Indicator value	99.8%	99.6%	99.7%	99.7%	99.8%	99.9%	99.3%	99.2%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



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

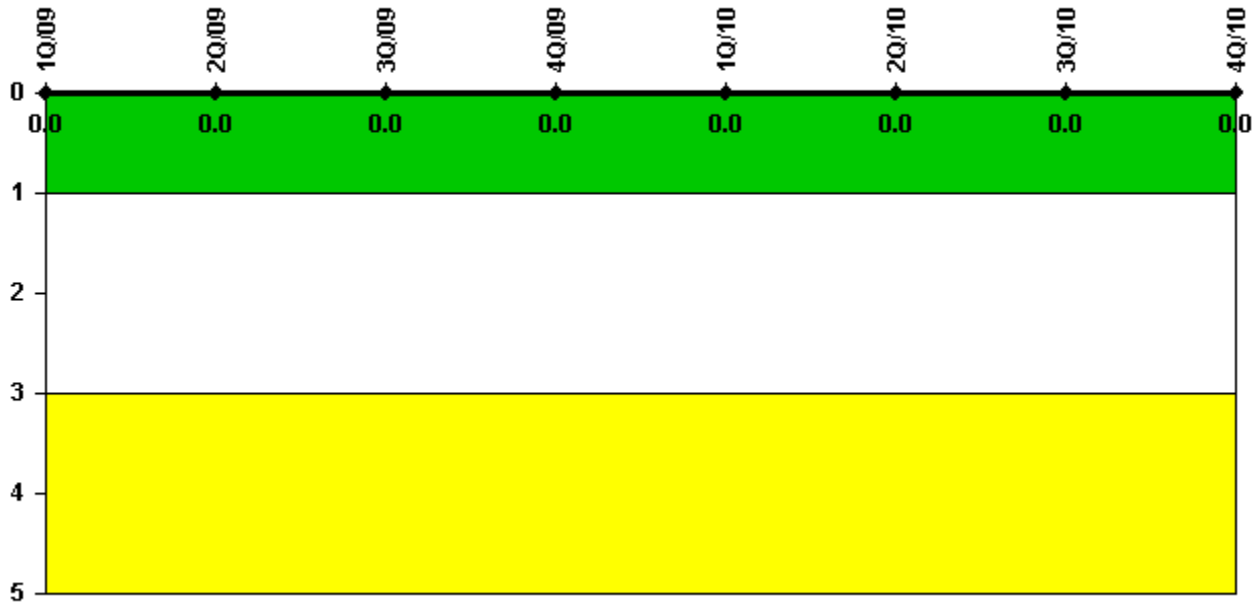
## Notes

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