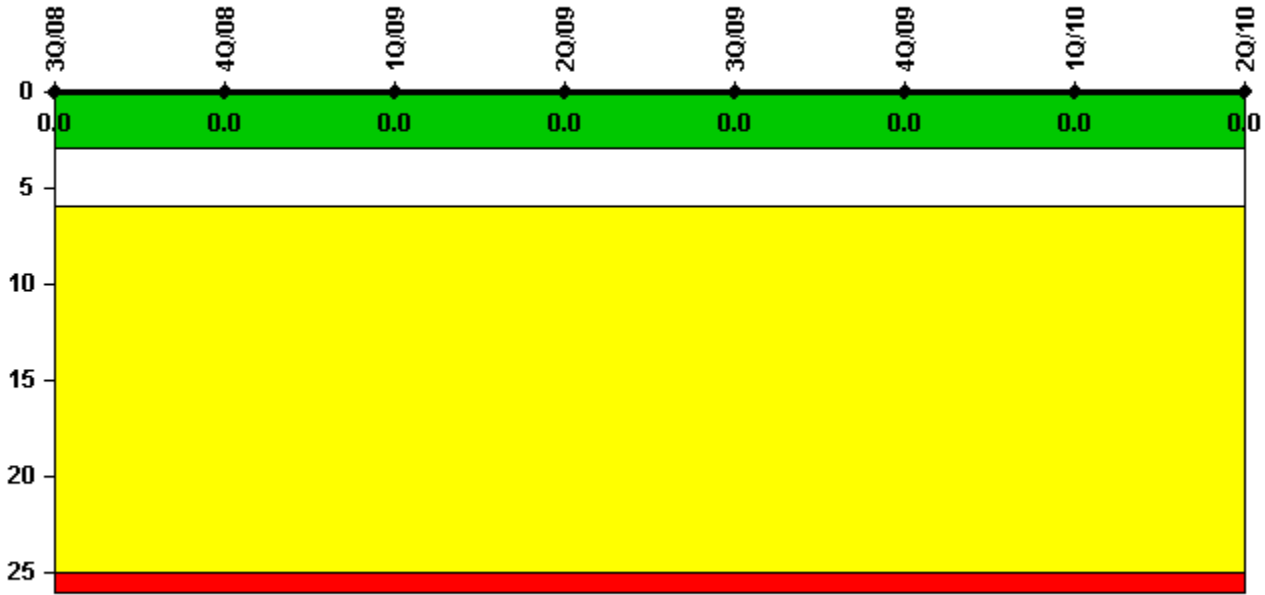


# South Texas 2

## 2Q/2010 Performance Indicators

Licensee's General Comments: Revised 1Q2010 ERO Drill Participation to 116. Added one Up Relief Shift Mgr. No color change.

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

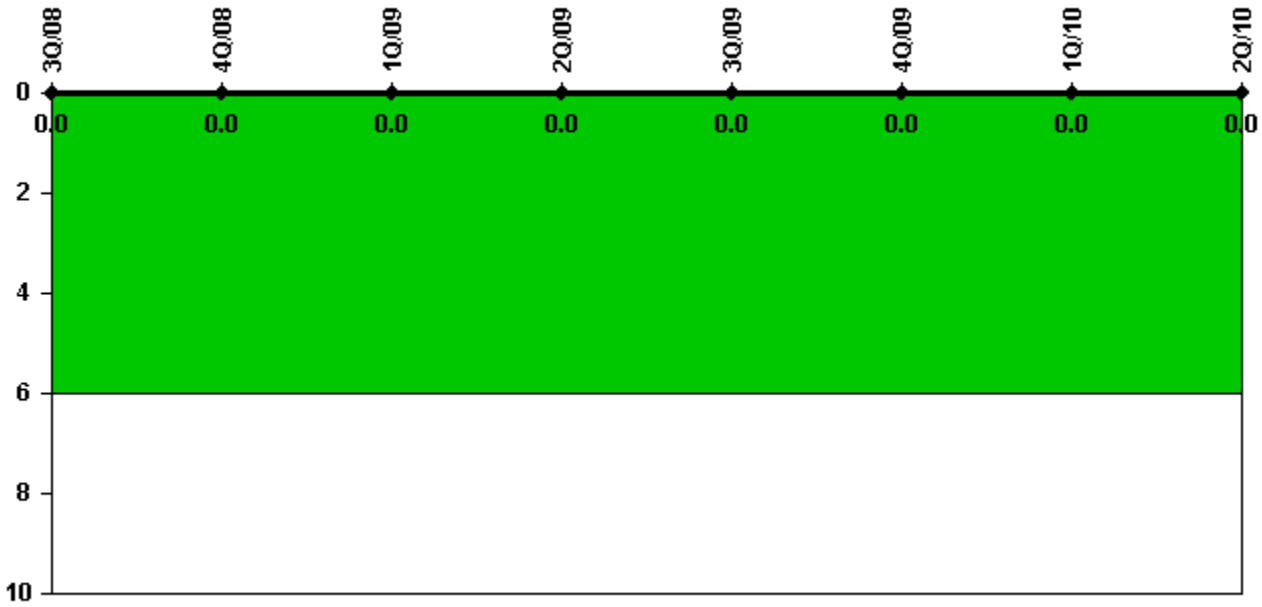
### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1485.9	2159.0	2184.0	1951.9	2209.0	2062.2	1469.6
Indicator value	0	0	0	0	0	0	0	0

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	2208.0	1485.9	2159.0	2184.0	1951.9	2209.0	2062.2	1469.6
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

# Unplanned Scrams with Complications



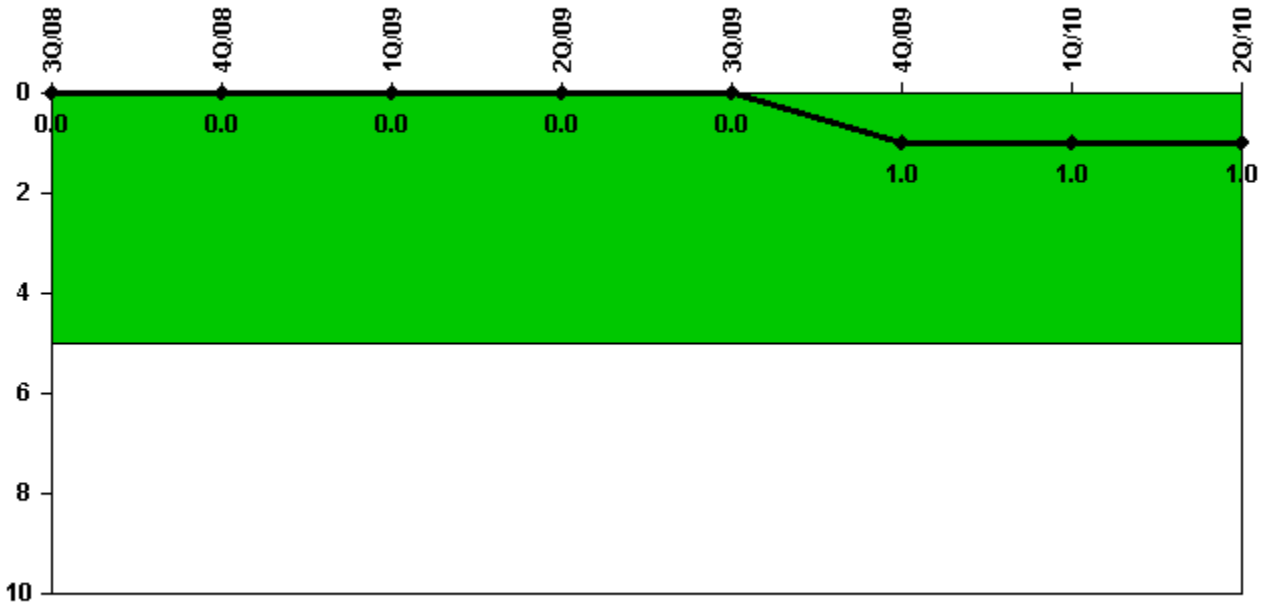
Thresholds: White > 1.0

## 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

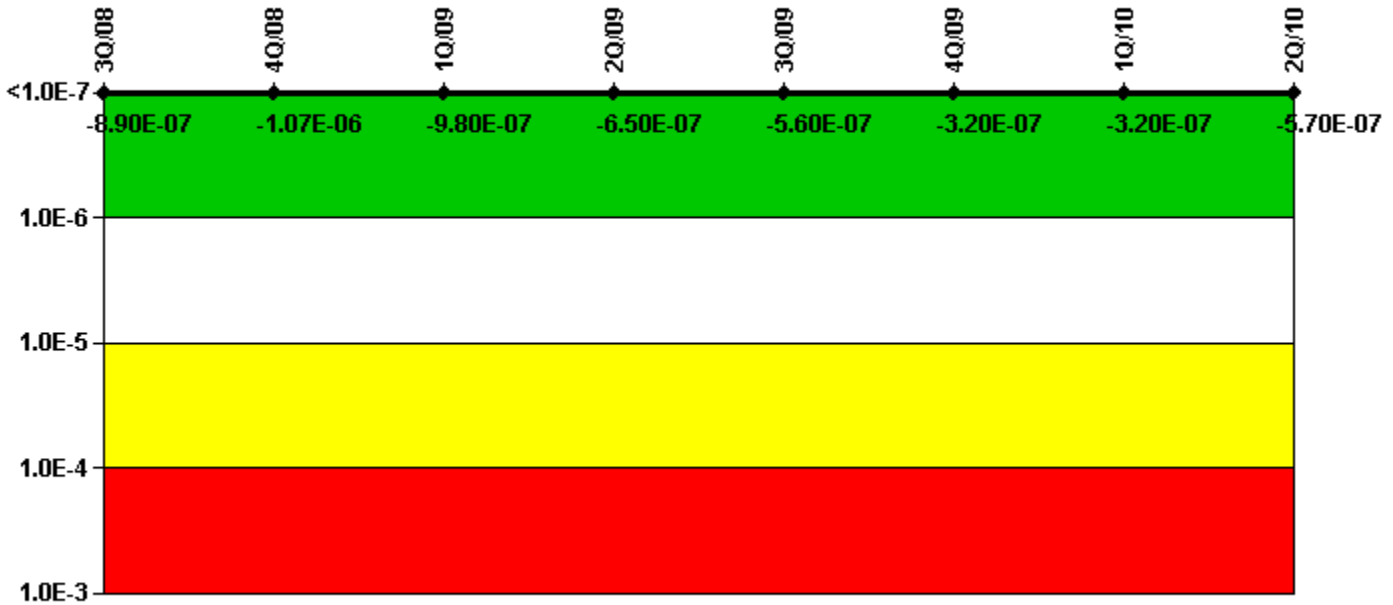
Safety System Functional Failures (PWR)	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	0	0	0	0	0	1	1	1

Licensee Comments:

2Q/10: Changed SSFF date from 4Q08 to 4Q09. LER 2-08-002 R0 on 10/08 did not consider SSFF. Re-submitted LER 2-08-002 R1 on 10/09. NRC's position is that SSFF date should correspond to the LER report date. Correction did not result in color change.

4Q/08: LERs issued in Dec. - LER 2-08-001 Fuel Assembly Storage, LER 2-08-002 Loss of RHR SSFF\* \*Further review determined that LER 2-08-002, Loss of RHR) and Valid Actuation of Safety Systems submitted in Dec. 2008 should have been SSFF. No color change.

# Mitigating Systems Performance Index, Emergency AC Power System



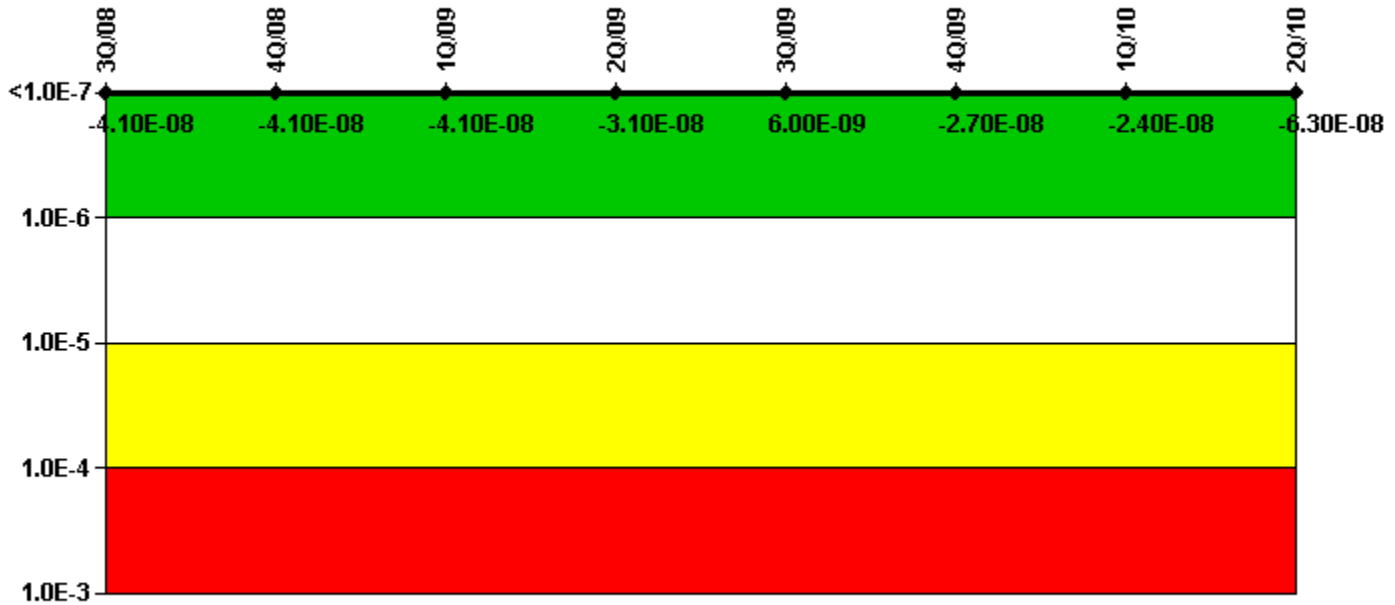
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	-2.00E-08	-2.10E-07	-1.40E-07	1.70E-07	2.40E-07	2.30E-07	2.13E-07	-1.69E-07
URI ( $\Delta$ CDF)	-8.70E-07	-8.60E-07	-8.40E-07	-8.20E-07	-8.00E-07	-5.50E-07	-5.34E-07	-3.99E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.90E-07	-1.07E-06	-9.80E-07	-6.50E-07	-5.60E-07	-3.20E-07	-3.20E-07	-5.70E-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	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-2.70E-08	-2.70E-08	-2.70E-08	-1.70E-08	2.00E-08	-1.50E-08	-1.20E-08	-5.11E-08
URI ( $\Delta$ CDF)	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.20E-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	-3.10E-08	6.00E-09	-2.70E-08	-2.40E-08	-6.30E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



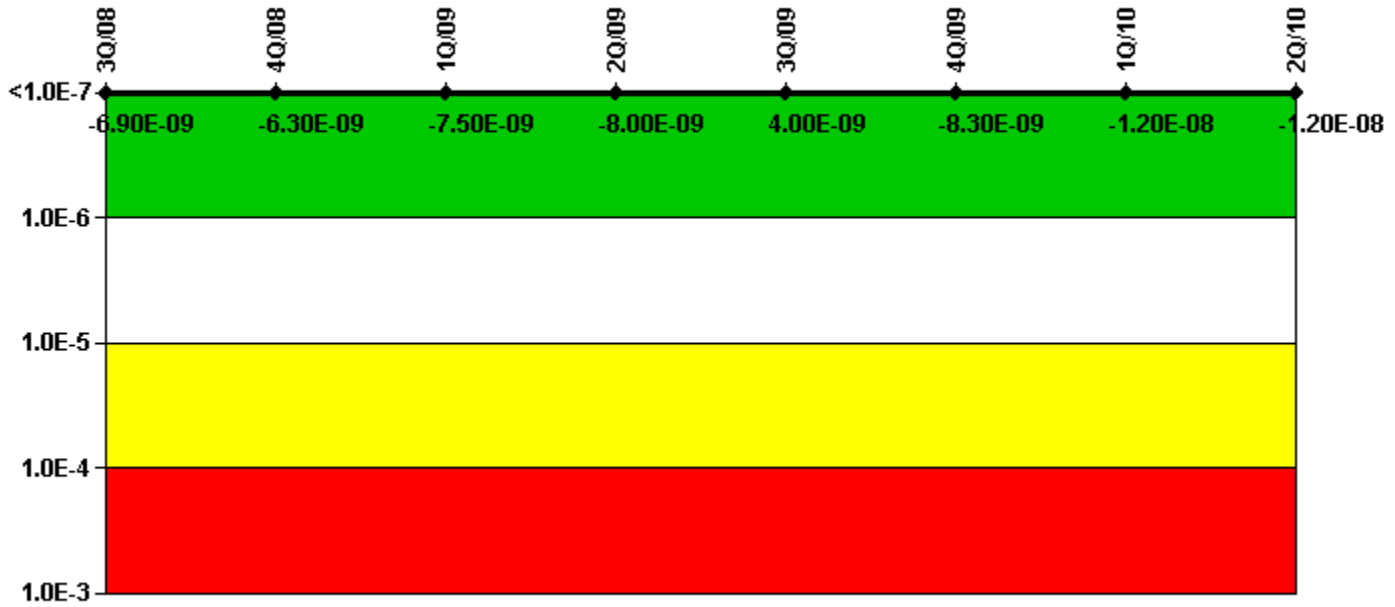
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	4.50E-08	1.40E-07	9.80E-08	1.50E-07	1.40E-07	7.40E-08	2.40E-08	9.93E-08
URI ( $\Delta$ CDF)	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-8.60E-08	-8.60E-08	-8.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.35E-07	-4.00E-08	-8.20E-08	-3.00E-08	-4.00E-08	-1.20E-08	-6.20E-08	1.40E-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

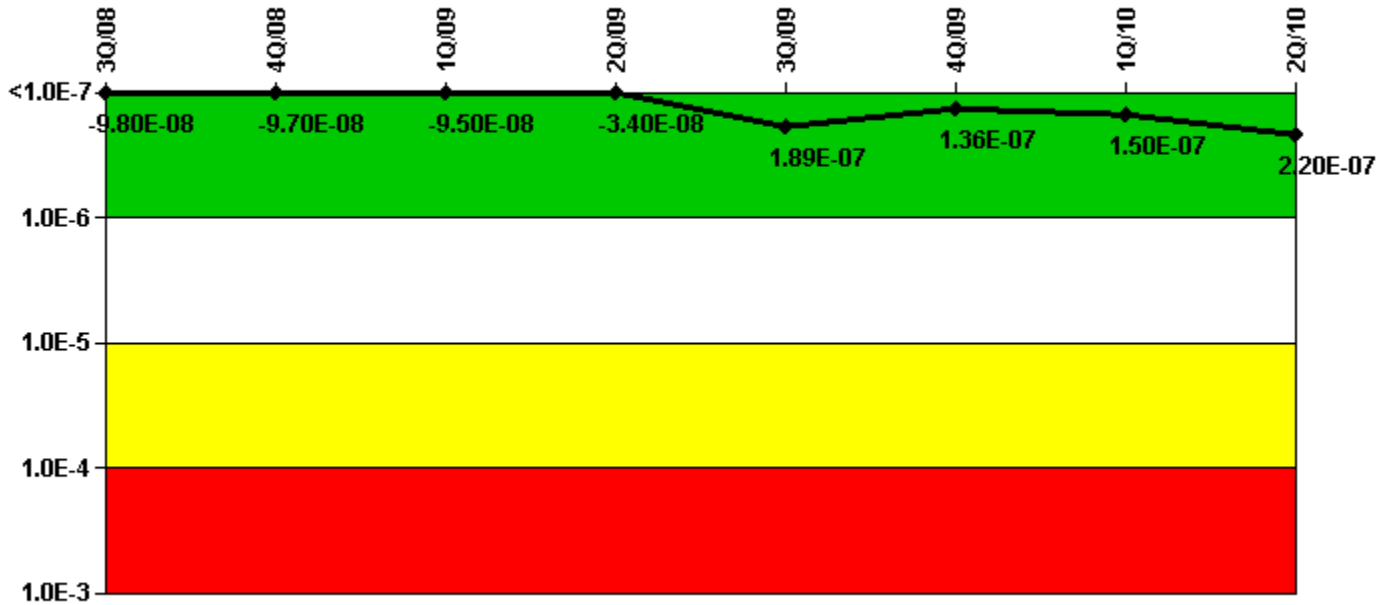
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-3.90E-09	-3.40E-09	-4.60E-09	-5.10E-09	6.80E-09	-6.00E-09	-9.42E-09	-9.64E-09
URI ( $\Delta$ CDF)	-3.00E-09	-2.90E-09	-2.90E-09	-2.90E-09	-2.80E-09	-2.30E-09	-2.31E-09	-2.28E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.90E-09	-6.30E-09	-7.50E-09	-8.00E-09	4.00E-09	-8.30E-09	-1.20E-08	-1.20E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



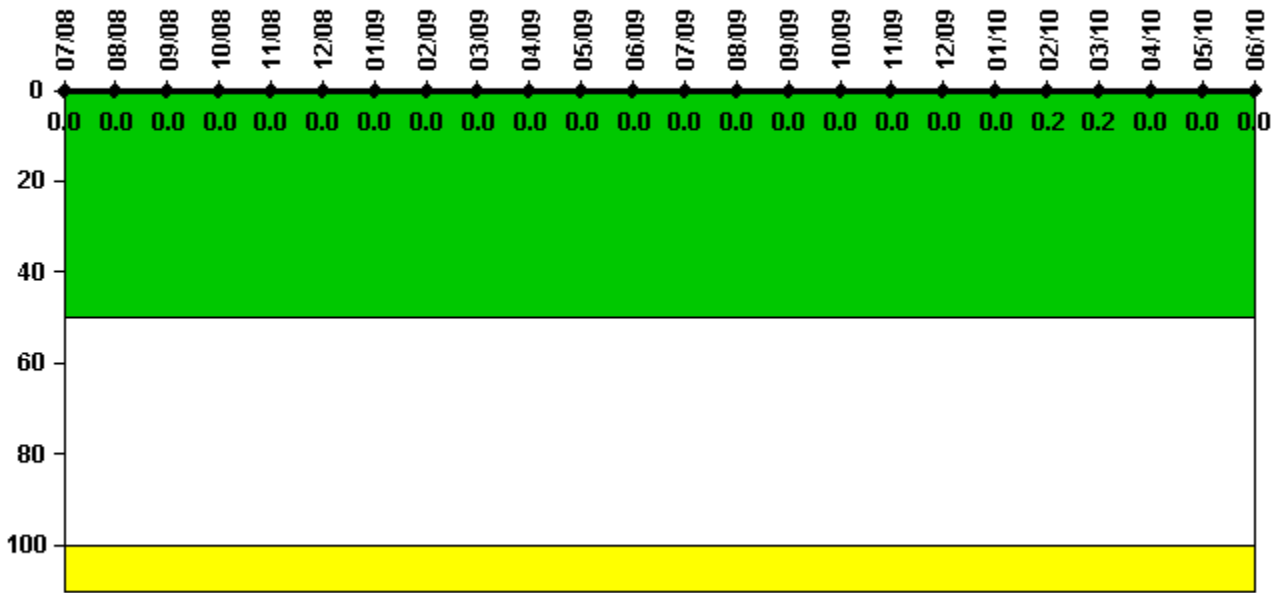
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-2.70E-08	-2.70E-08	-2.70E-08	3.20E-08	4.90E-08	3.60E-08	4.42E-08	1.08E-07
URI ( $\Delta$ CDF)	-7.10E-08	-7.00E-08	-6.80E-08	-6.60E-08	1.40E-07	1.00E-07	1.08E-07	1.13E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.80E-08	-9.70E-08	-9.50E-08	-3.40E-08	1.89E-07	1.36E-07	1.50E-07	2.20E-07

Licensee Comments: none

# Reactor Coolant System Activity



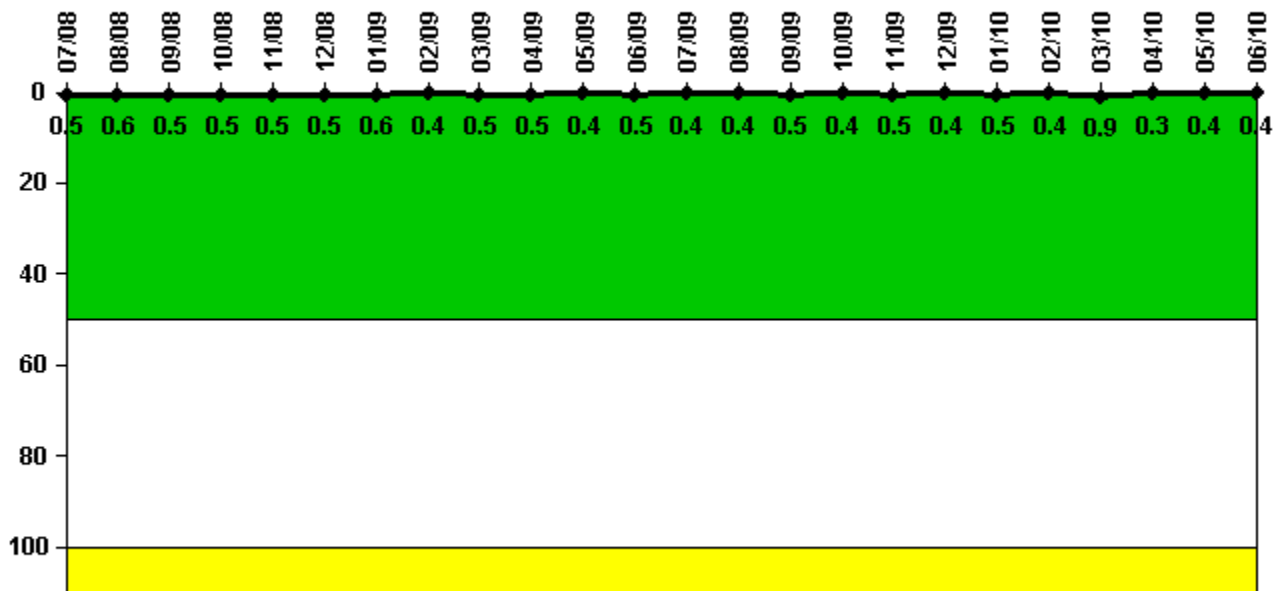
Thresholds: White > 50.0 Yellow > 100.0

## 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	0.000120	0.000133	0.000138	0.000123	0.000050	0.000065	0.000060	0.000064	0.000071	0.000066	0.000069	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
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	0.000083	0.000076	0.000075	0.000090	0.000085	0.000088	0.000087	0.001610	0.001790	0	0.000093	0.000187
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	0.2	0.2	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



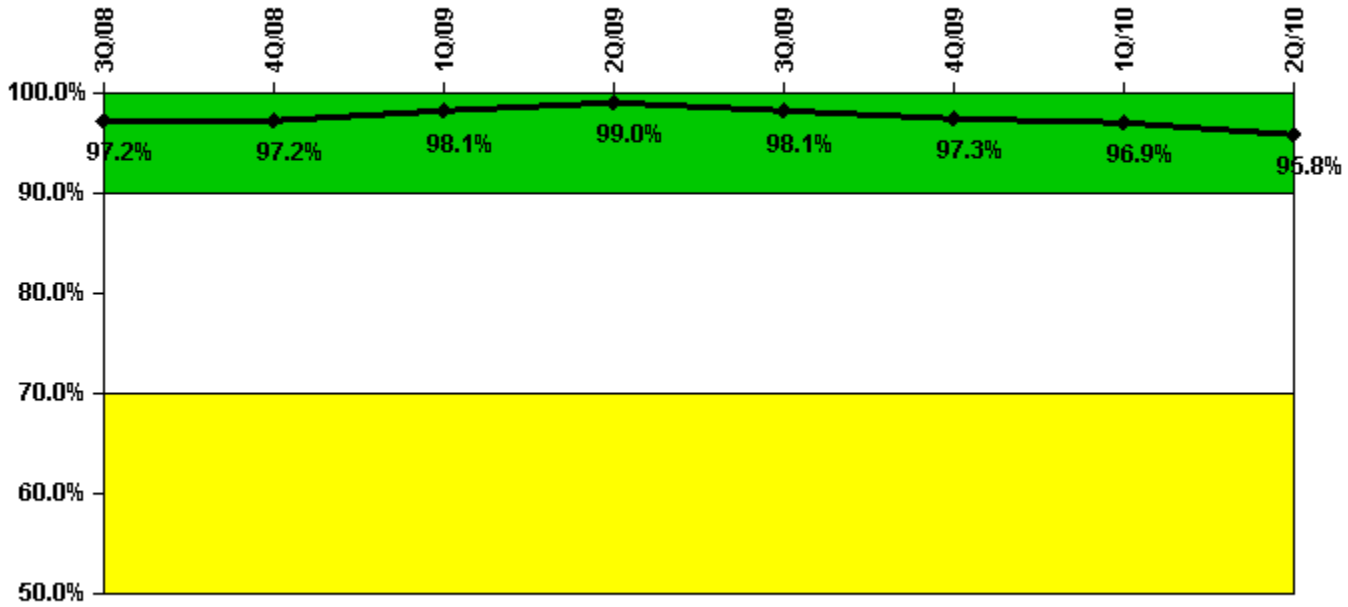
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.054	0.055	0.053	0.045	0.046	0.052	0.064	0.042	0.045	0.049	0.039	0.045
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	0.5	0.6	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.4	0.5
<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	0.041	0.036	0.048	0.041	0.051	0.044	0.053	0.038	0.086	0.030	0.041	0.041
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	0.4	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.9	0.3	0.4	0.4

Licensee Comments: none

## Drill/Exercise Performance



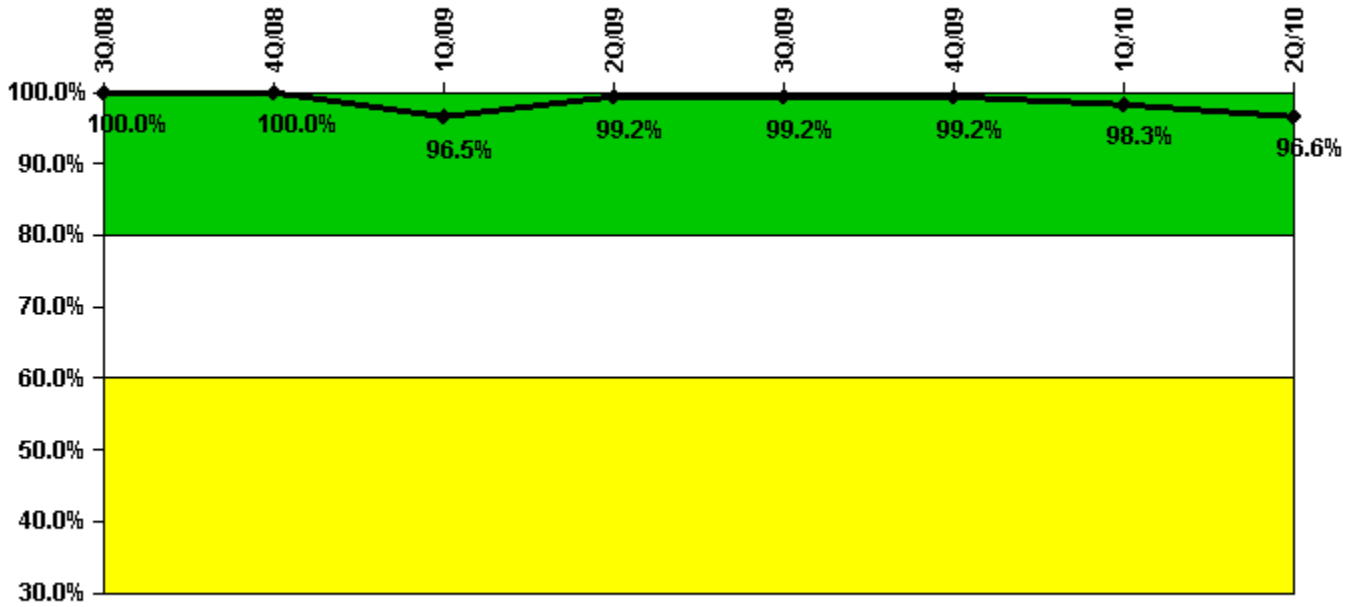
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	37.0	6.0	3.0	93.0	56.0	0	1.0	9.0
Total opportunities	40.0	6.0	3.0	93.0	59.0	0	2.0	11.0
Indicator value	97.2%	97.2%	98.1%	99.0%	98.1%	97.3%	96.9%	95.8%

Licensee Comments: none

# ERO Drill Participation



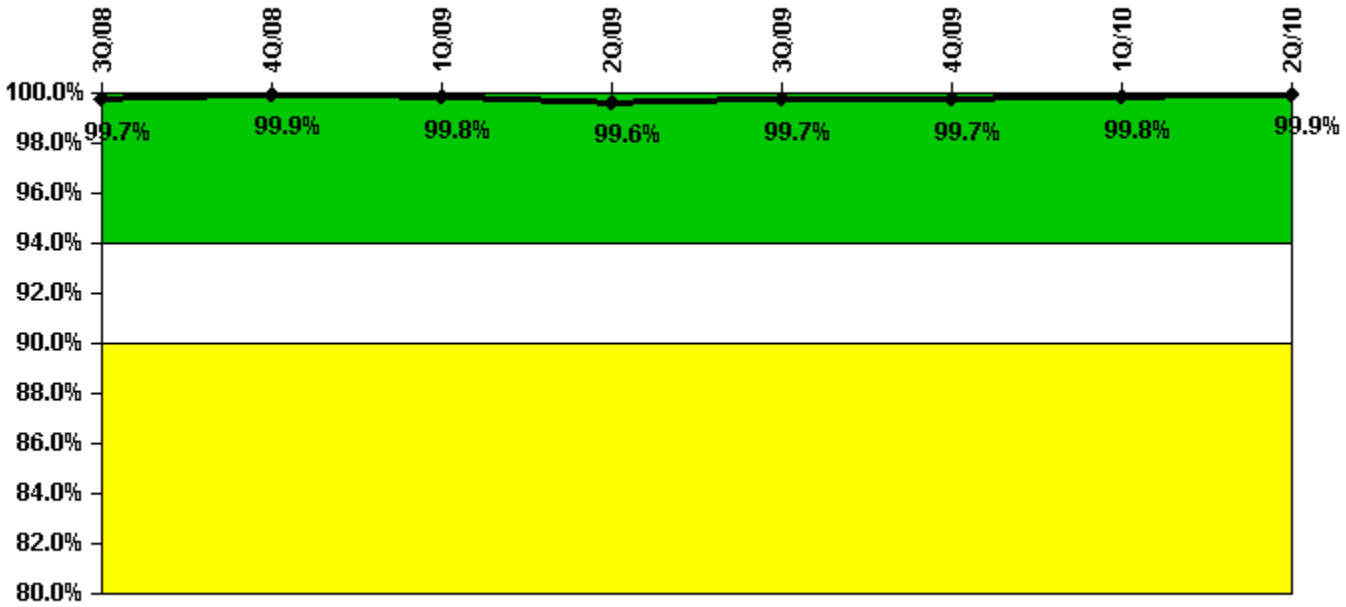
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	109.0	110.0	111.0	129.0	129.0	129.0	114.0	113.0
Total Key personnel	109.0	110.0	115.0	130.0	130.0	130.0	116.0	117.0
Indicator value	100.0%	100.0%	96.5%	99.2%	99.2%	99.2%	98.3%	96.6%

Licensee Comments: none

# Alert & Notification System



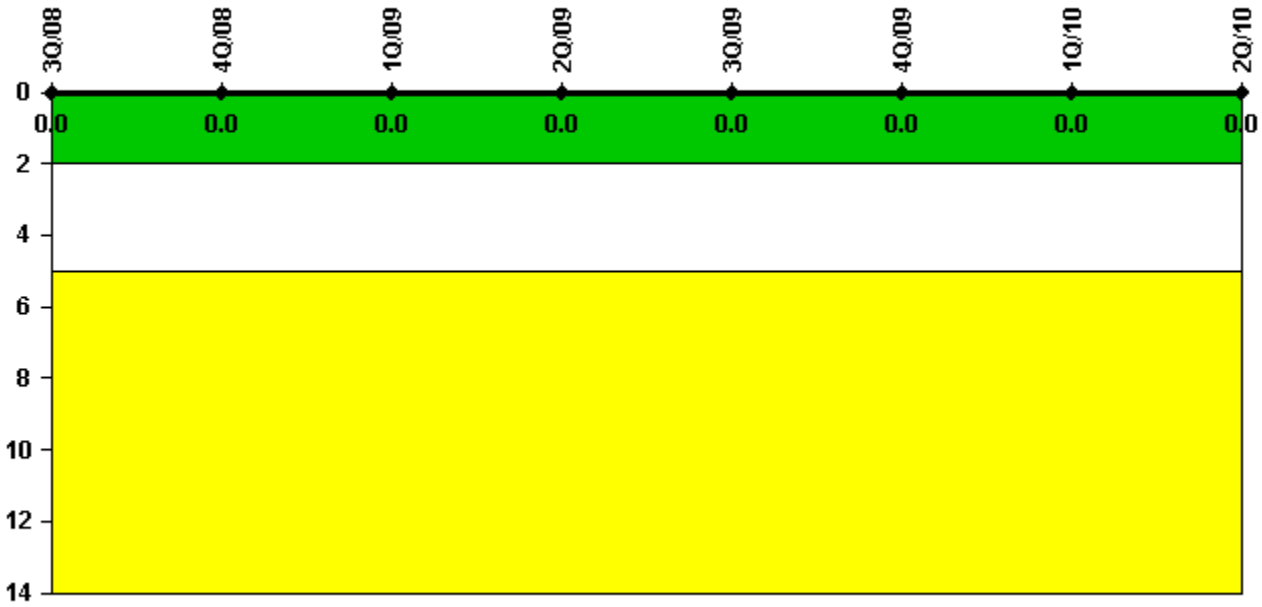
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	223	256	255	254	256	224	256	191
Total sirens-tests	224	256	256	256	256	224	256	192
Indicator value	99.7%	99.9%	99.8%	99.6%	99.7%	99.7%	99.8%	99.9%

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>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	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.