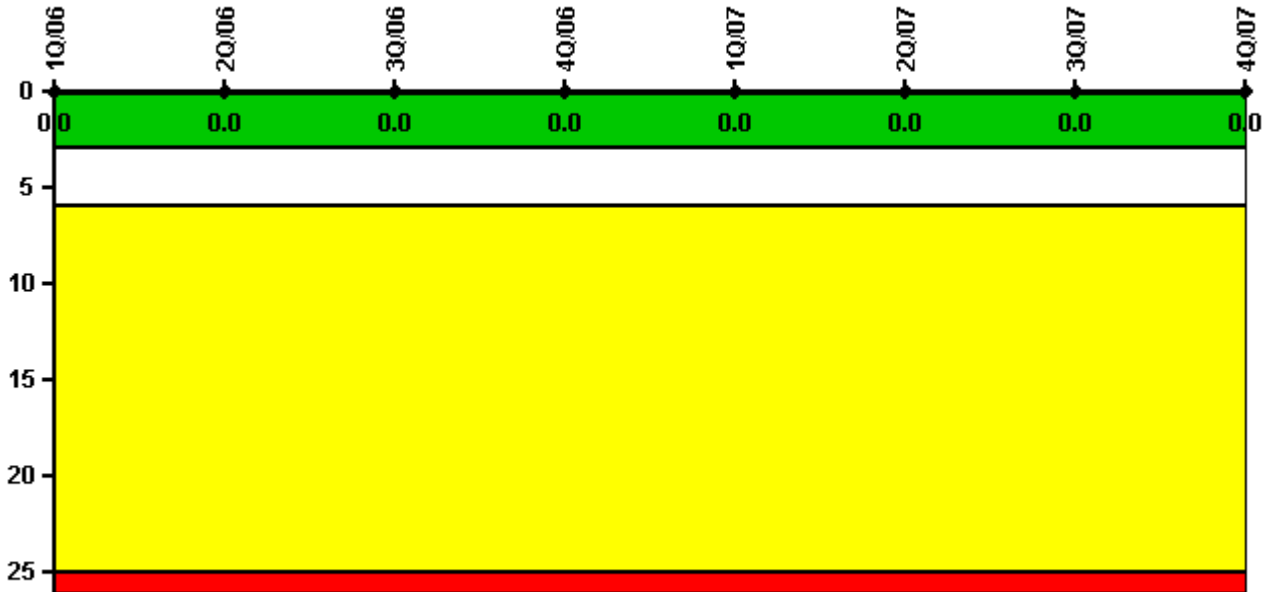


# South Texas 2

## 4Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

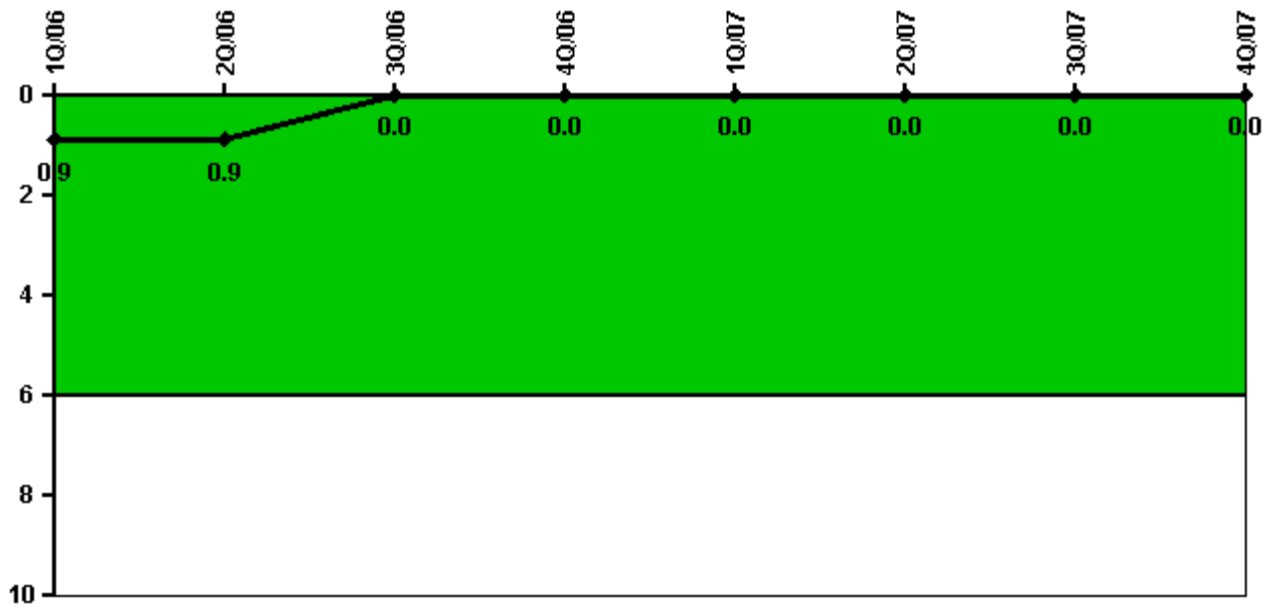
### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	1992.5	1555.6	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



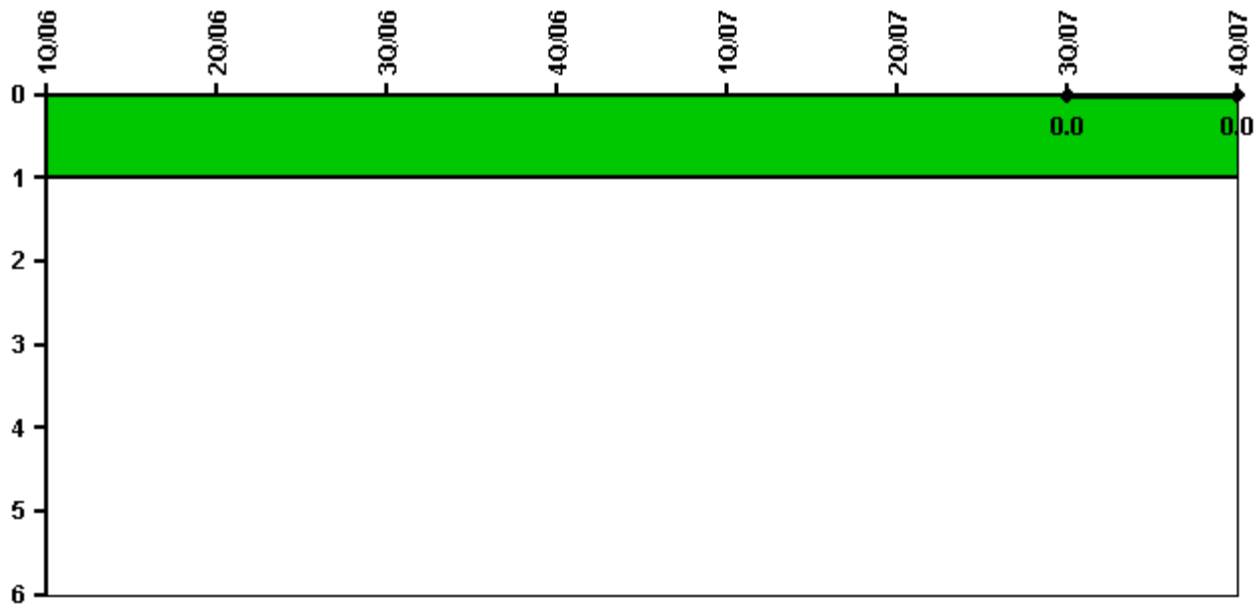
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	1992.5	1555.6	2208.0	2209.0
Indicator value	0.9	0.9	0	0	0	0	0	0

Licensee Comments: none

# Unplanned Scrams with Complications



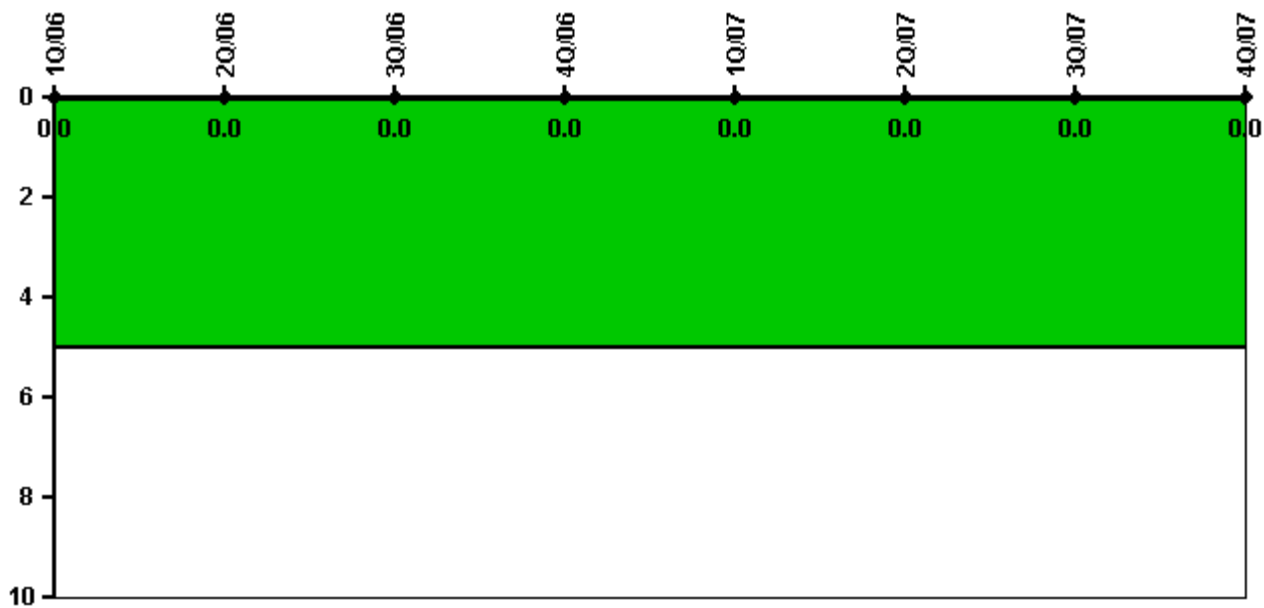
Thresholds: White > 1.0

## Notes

Unplanned Scrams with Complications	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Scrams with complications				0	0	0	0	0
<b>Indicator value</b>							<b>0.0</b>	<b>0.0</b>

Licensee Comments: none

# Safety System Functional Failures (PWR)



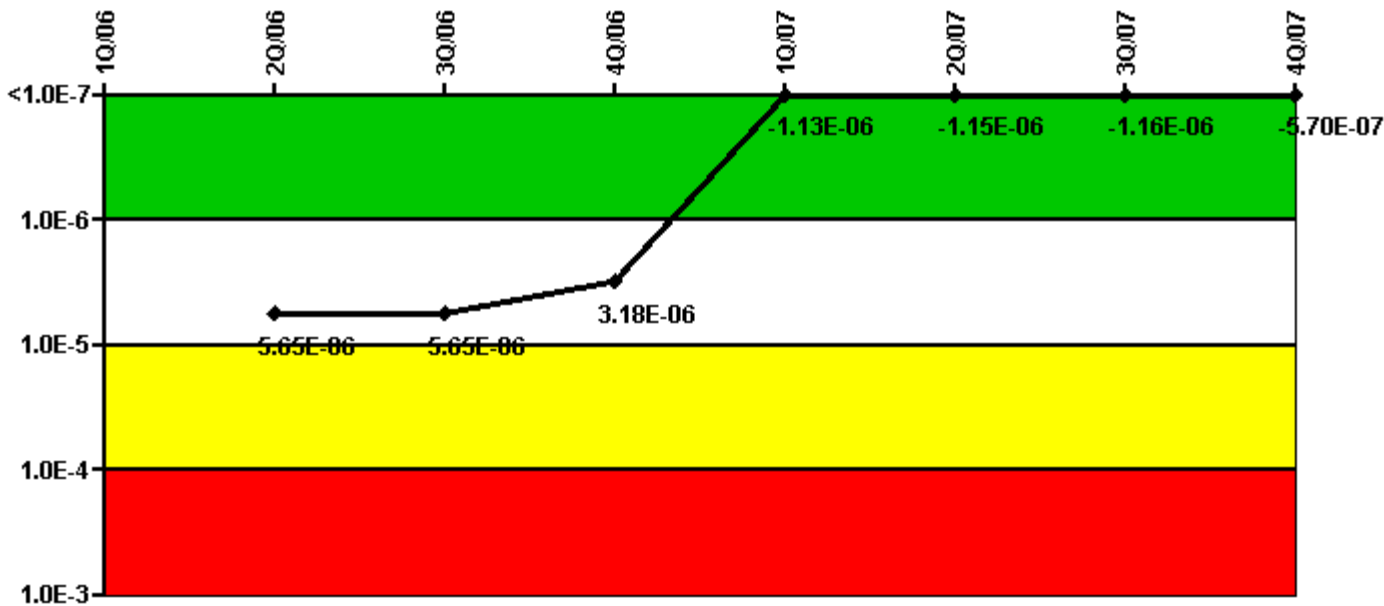
Thresholds: White > 5.0

## Notes

Safety System Functional Failures (PWR)	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



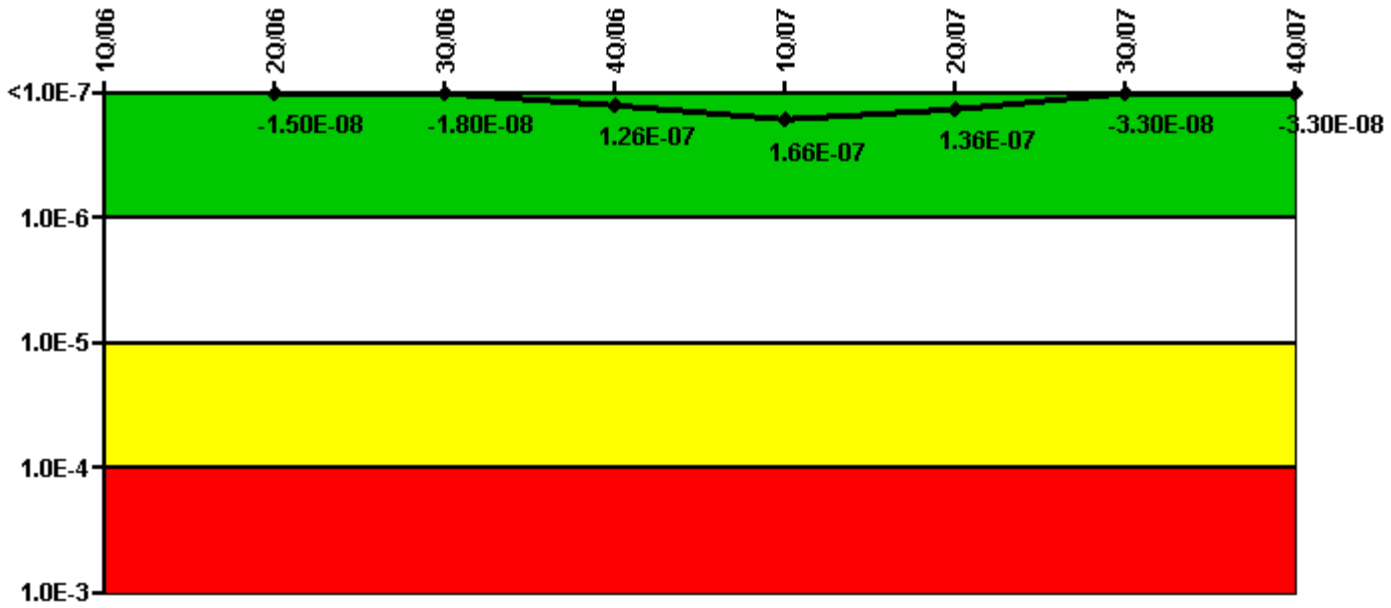
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		6.60E-06	6.60E-06	4.10E-06	-2.10E-07	-2.30E-07	-2.40E-07	3.40E-07
URI (ΔCDF)		-9.50E-07	-9.50E-07	-9.20E-07	-9.20E-07	-9.20E-07	-9.20E-07	-9.10E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		5.65E-06	5.65E-06	3.18E-06	-1.13E-06	-1.15E-06	-1.16E-06	-5.70E-07

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



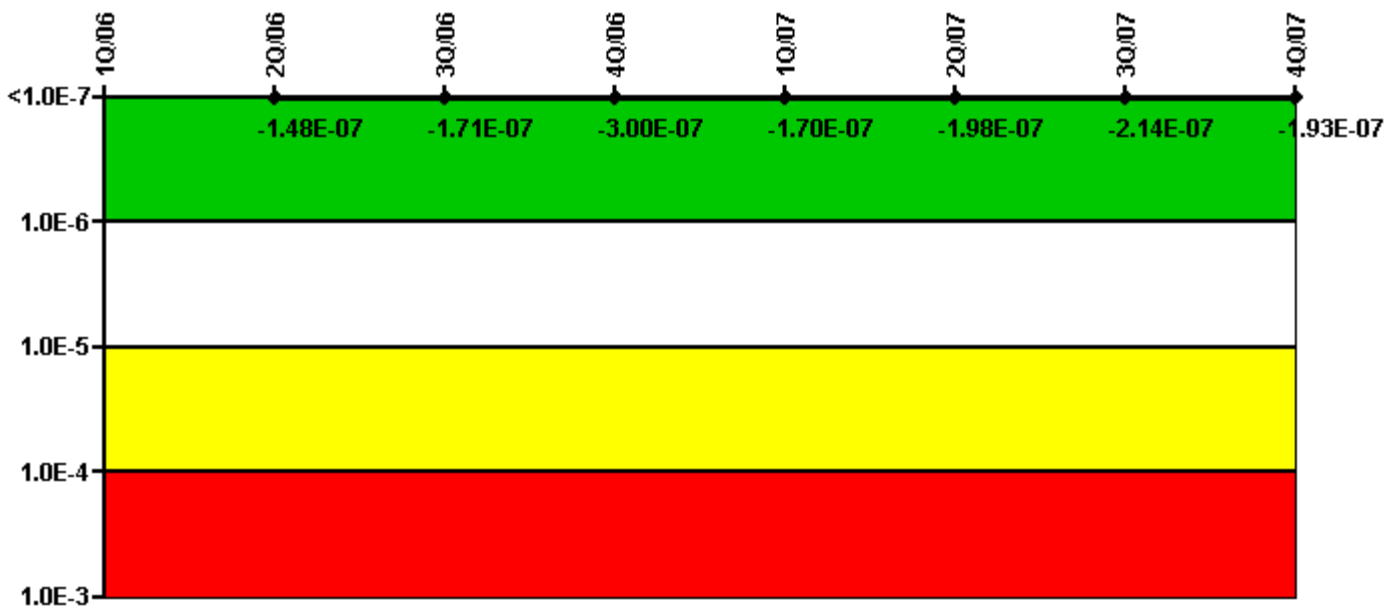
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		1.50E-08	1.20E-08	1.40E-07	1.80E-07	1.50E-07	-1.90E-08	-1.90E-08
URI (ΔCDF)		-3.00E-08	-3.00E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-1.50E-08	-1.80E-08	1.26E-07	1.66E-07	1.36E-07	-3.30E-08	-3.30E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



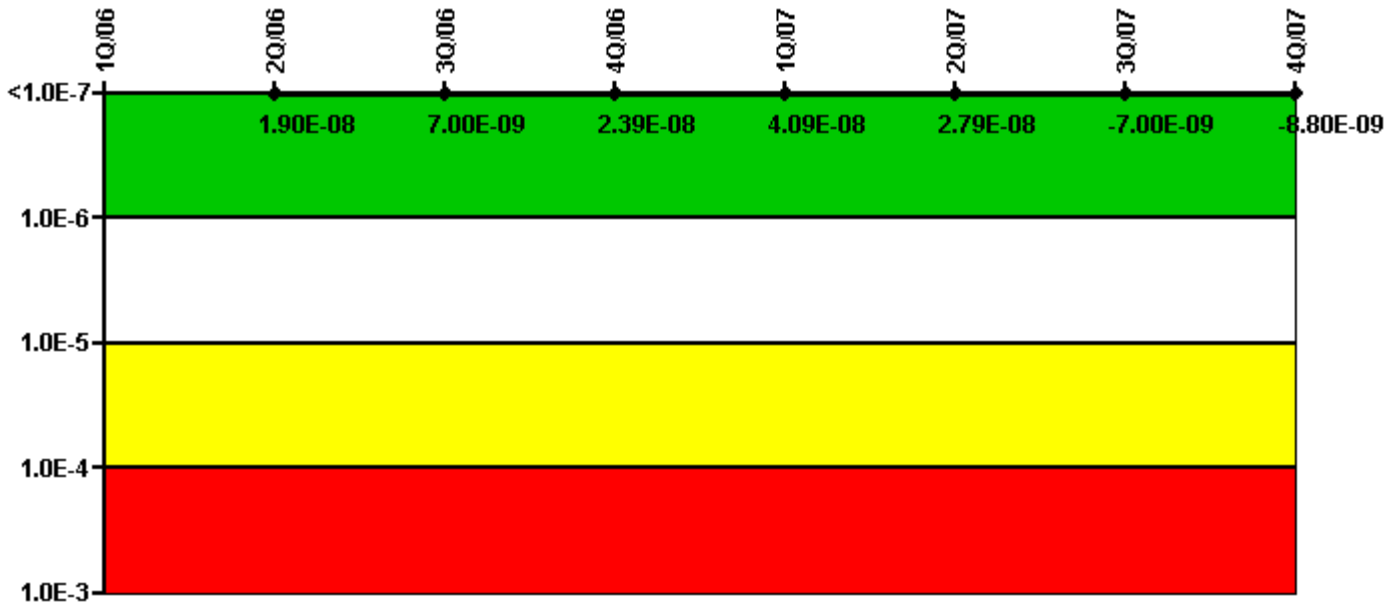
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

## Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI ( $\Delta$ CDF)		$-4.80E-08$	$-7.10E-08$	$-1.30E-07$	$2.10E-11$	$-2.80E-08$	$-4.40E-08$	$-2.30E-08$
URI ( $\Delta$ CDF)		$-1.00E-07$	$-1.00E-07$	$-1.70E-07$	$-1.70E-07$	$-1.70E-07$	$-1.70E-07$	$-1.70E-07$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$-1.48E-07$	$-1.71E-07$	$-3.00E-07$	$-1.70E-07$	$-1.98E-07$	$-2.14E-07$	$-1.93E-07$

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



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

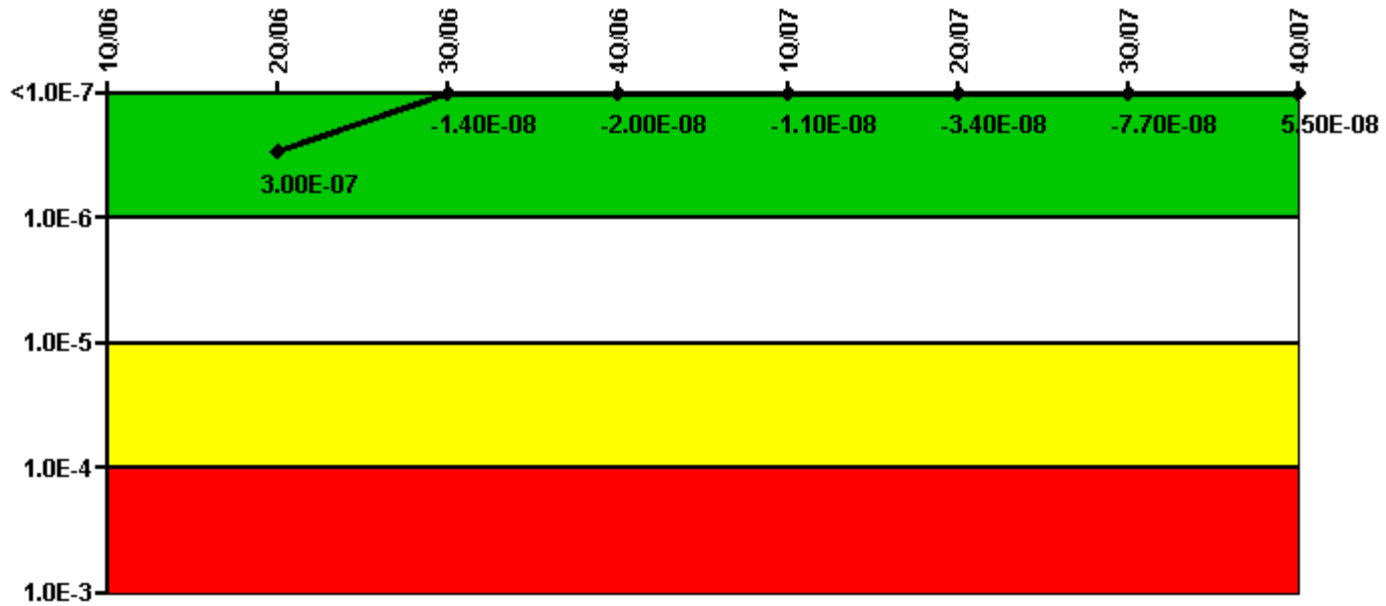
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI ( $\Delta$ CDF)		2.80E-08	1.60E-08	2.70E-08	4.40E-08	3.10E-08	-3.90E-09	-5.70E-09
URI ( $\Delta$ CDF)		-9.00E-09	-9.00E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		1.90E-08	7.00E-09	2.39E-08	4.09E-08	2.79E-08	-7.00E-09	-8.80E-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/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		1.10E-07	8.60E-08	4.60E-08	5.50E-08	3.20E-08	-1.10E-08	1.20E-07
URI (ΔCDF)		1.90E-07	-1.00E-07	-6.60E-08	-6.60E-08	-6.60E-08	-6.60E-08	-6.50E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		3.00E-07	-1.40E-08	-2.00E-08	-1.10E-08	-3.40E-08	-7.70E-08	5.50E-08

## Licensee Comments:

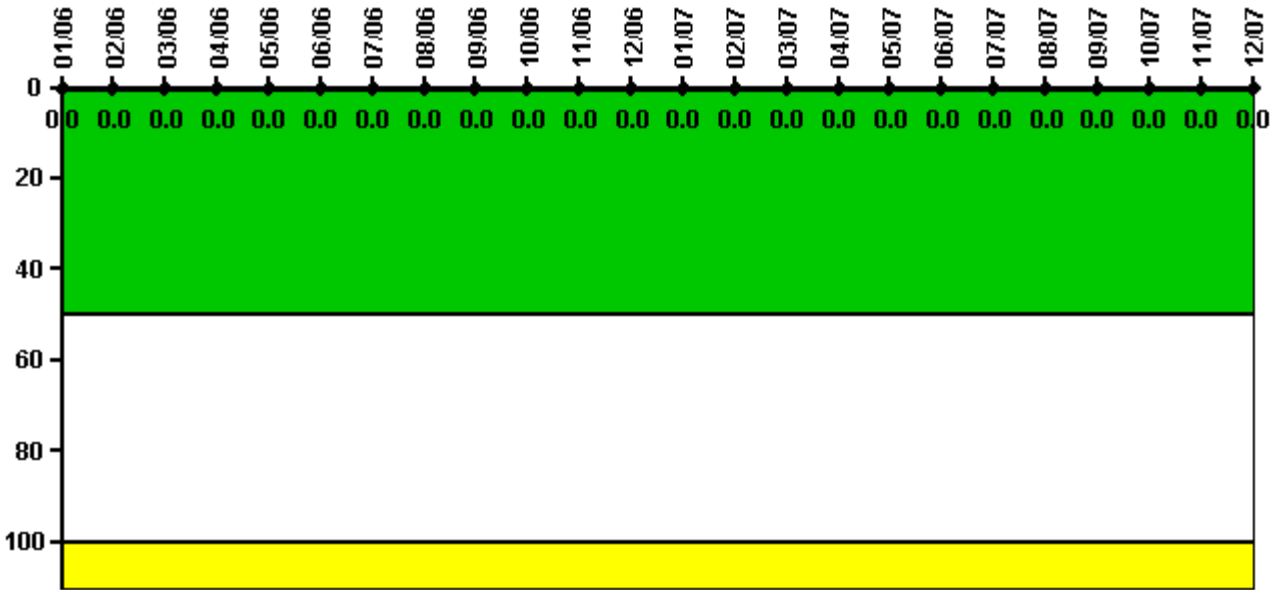
4Q/07: Revised Jan 2007 - Incorrectly counted failure of the CCW 2B supplemental cooler as a failure and UA hours as unplanned. Since cooler is a supported system there is no failure. UA hours changed to planned. Revised June 2007 - Incorrectly counted unplanned hours when CCW 2B supplemental cooler failed which is a support system component. Changed UA hours to planned.

3Q/07: Revised June 2007 CCW-B hours to include 16.52 unplanned unavailable hours and 49.63 hours planned unavailable hours. CCW Pump 2B Supplemental Cooler failed to start. This caused the train to be non-functional for 16.52 hours.

2Q/07: June - Incorrectly counted unplanned hours when CCW-B supplemental cooler failed which is a support system component. Changed hours to planned. Corrections made to Baseline Planned and Unplanned Unavailable Parameters (4th Qtr 2006 - 2nd Qrt 2007). Updated future parameters due to revision of MSPI Bases Doc.

1Q/07: Jan - Incorrectly counted failure of the CCW-B Supplemental cooler as a failure and UA hours as unplanned. Since cooler is a support system, there is no failure. UA hours changed to planned.

# Reactor Coolant System Activity



**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

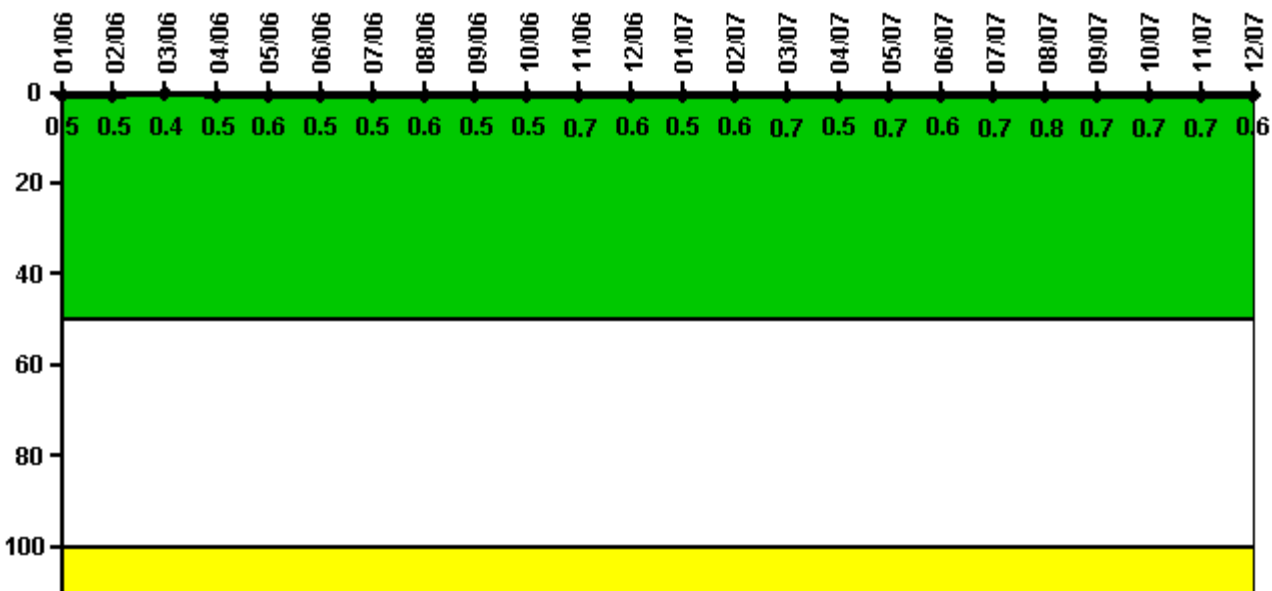
Reactor Coolant System Activity	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity	0.000072	0.000080	0.000085	0.000093	0.000096	0.000100	0.000107	0.000110	0.000115	0.000115	0.000128	0.000133
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity	0.000129	0.000132	0.000116	0	0.000068	0.000079	0.000080	0.000081	0.000247	0.000031	0.000034	0.000041
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

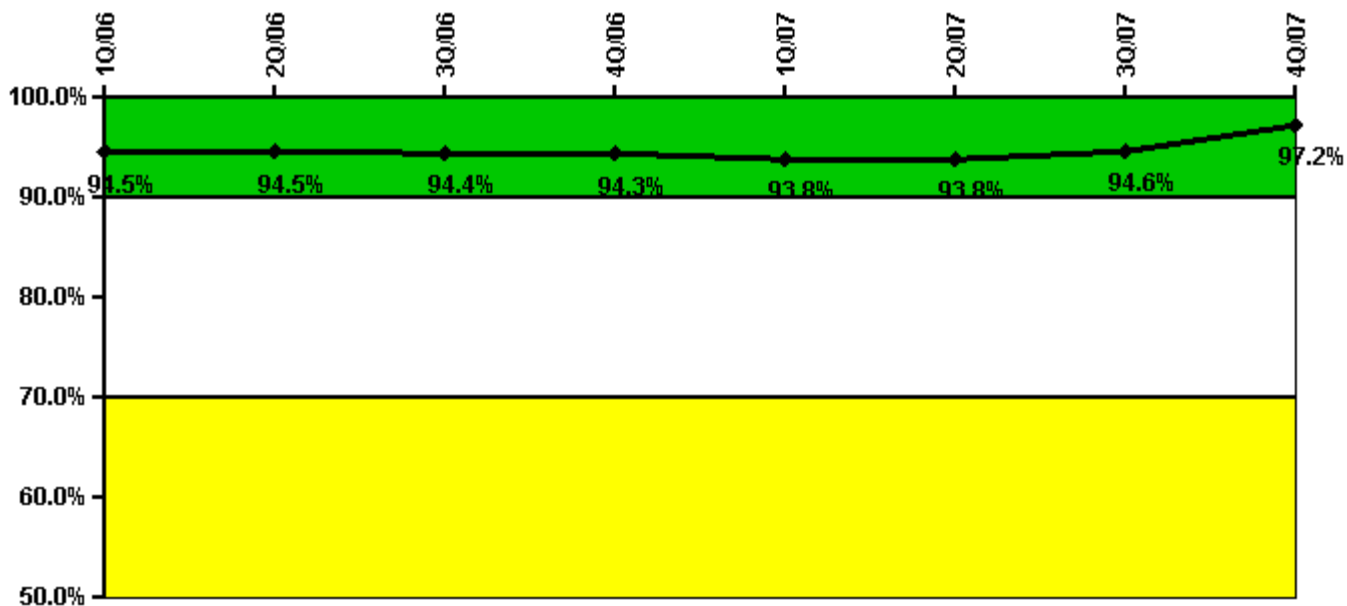
Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.046	0.050	0.044	0.051	0.058	0.046	0.045	0.062	0.051	0.053	0.070	0.062
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.5	0.4	0.5	0.6	0.5	0.5	0.6	0.5	0.5	0.7	0.6

Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	0.052	0.058	0.071	0.051	0.067	0.058	0.065	0.083	0.068	0.067	0.067	0.062
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	0.7	0.5	0.7	0.6	0.7	0.8	0.7	0.7	0.7	0.6

Licensee Comments: none

## Drill/Exercise Performance



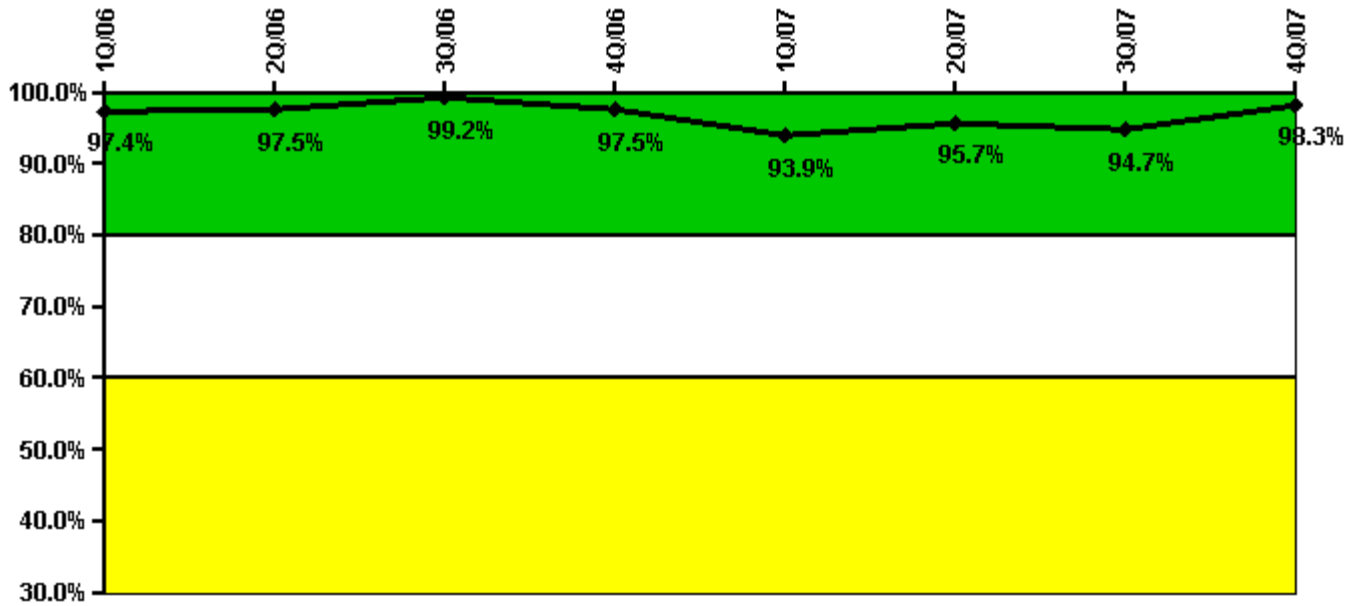
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	59.0	93.0	14.0	0	4.0	11.0	44.0	86.0
Total opportunities	60.0	97.0	15.0	0	6.0	12.0	44.0	86.0
<b>Indicator value</b>	<b>94.5%</b>	<b>94.5%</b>	<b>94.4%</b>	<b>94.3%</b>	<b>93.8%</b>	<b>93.8%</b>	<b>94.6%</b>	<b>97.2%</b>

Licensee Comments: none

# ERO Drill Participation



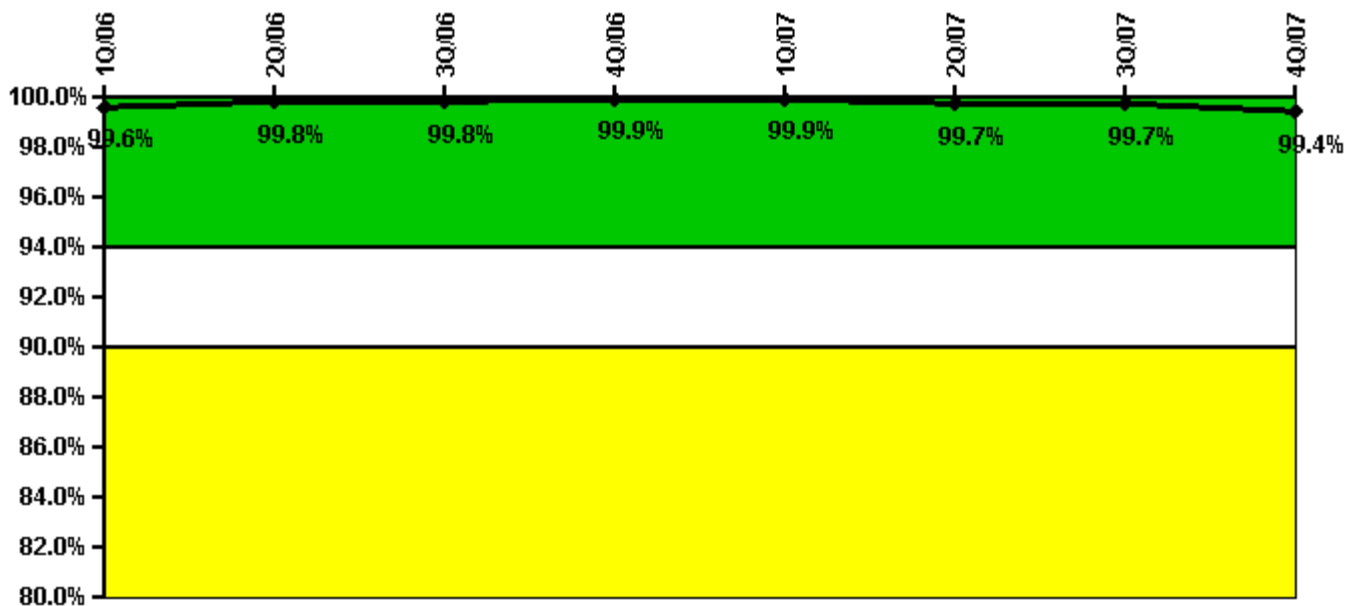
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	114.0	119.0	119.0	115.0	108.0	111.0	108.0	118.0
Total Key personnel	117.0	122.0	120.0	118.0	115.0	116.0	114.0	120.0
Indicator value	97.4%	97.5%	99.2%	97.5%	93.9%	95.7%	94.7%	98.3%

Licensee Comments: none

# Alert & Notification System



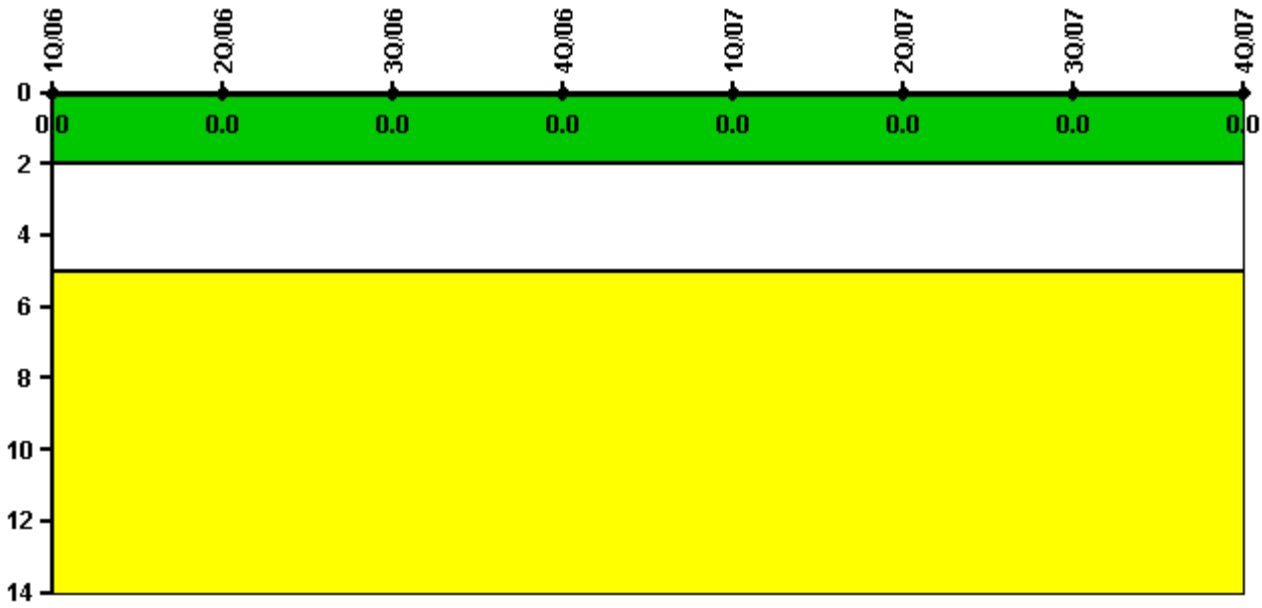
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	191	224	192	224	223	222	192	222
Total sirens-tests	192	224	192	224	224	224	192	224
<b>Indicator value</b>	<b>99.6%</b>	<b>99.8%</b>	<b>99.8%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.7%</b>	<b>99.7%</b>	<b>99.4%</b>

Licensee Comments: none

# Occupational Exposure Control Effectiveness



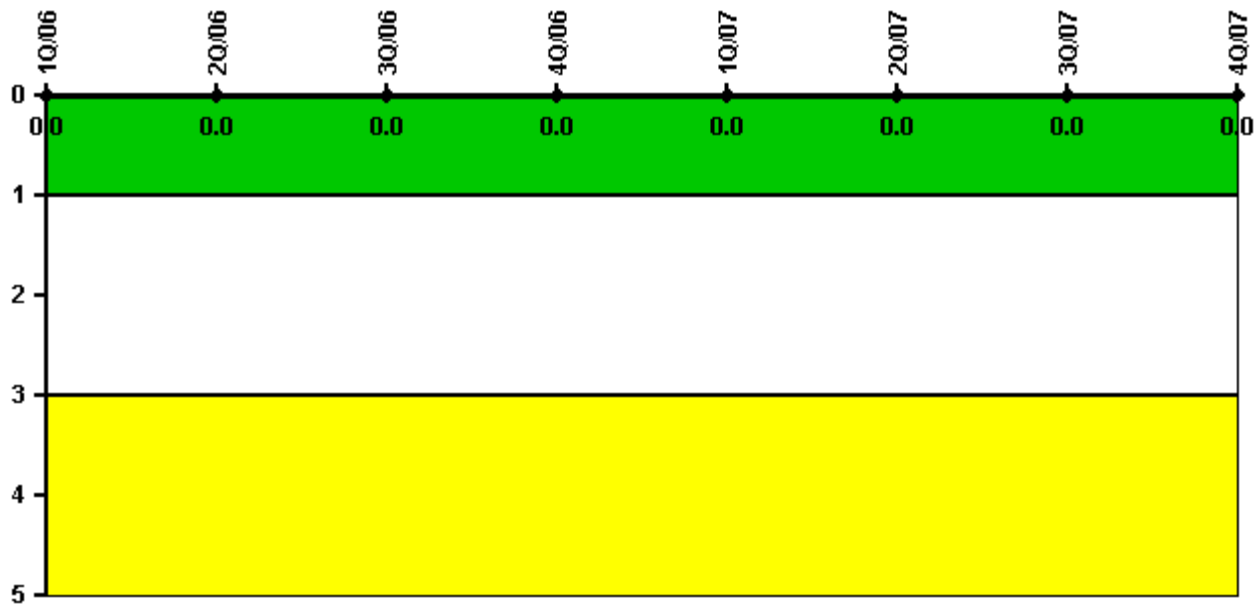
Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
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/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.

▲ [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: February 4, 2008