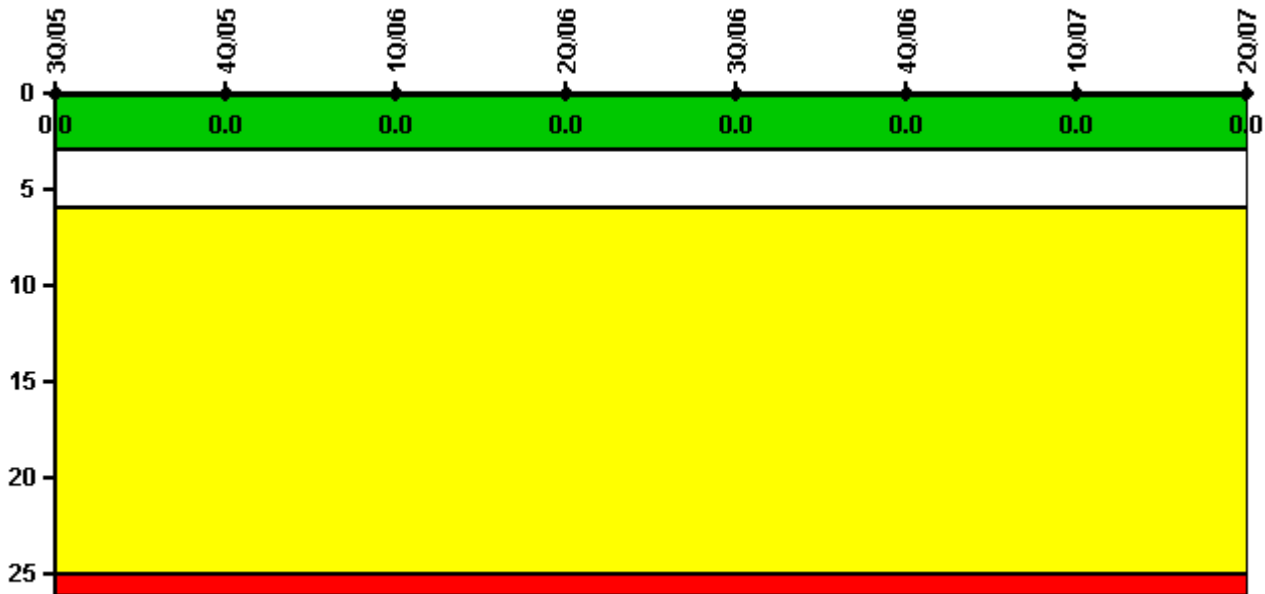


# Saint Lucie 1

## 2Q/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	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	692.0	2160.0	2183.0	2208.0	2209.0	2159.0	871.7
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## Scrams with Loss of Normal Heat Removal



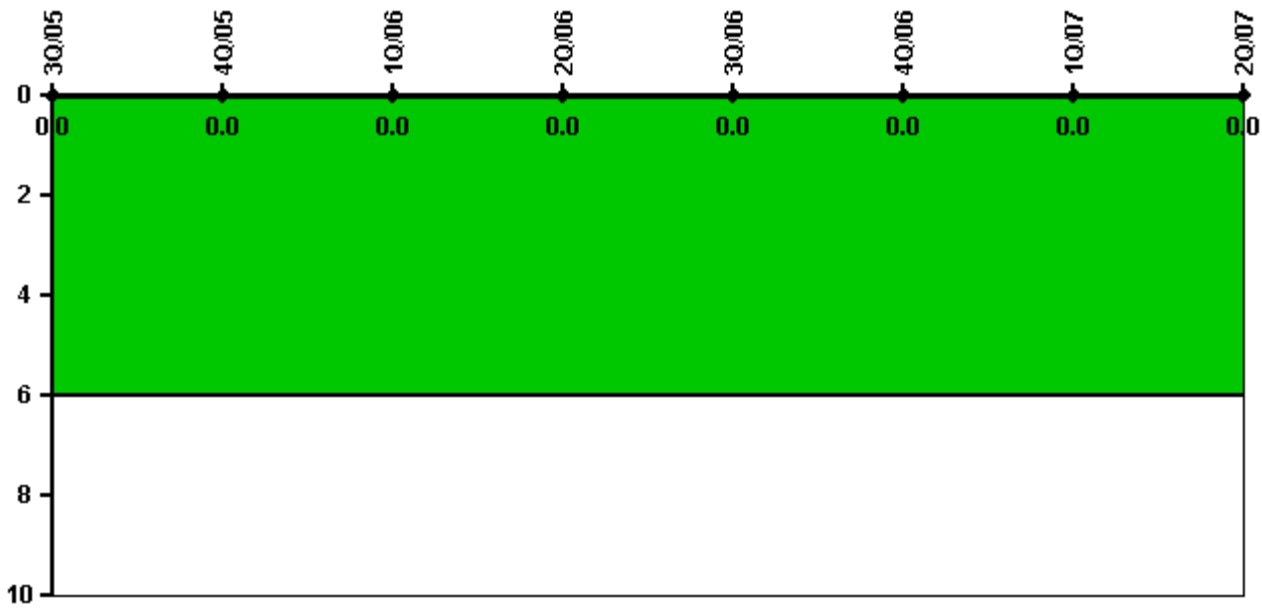
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

### Notes

Scrams with Loss of Normal Heat Removal	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	0	0	0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



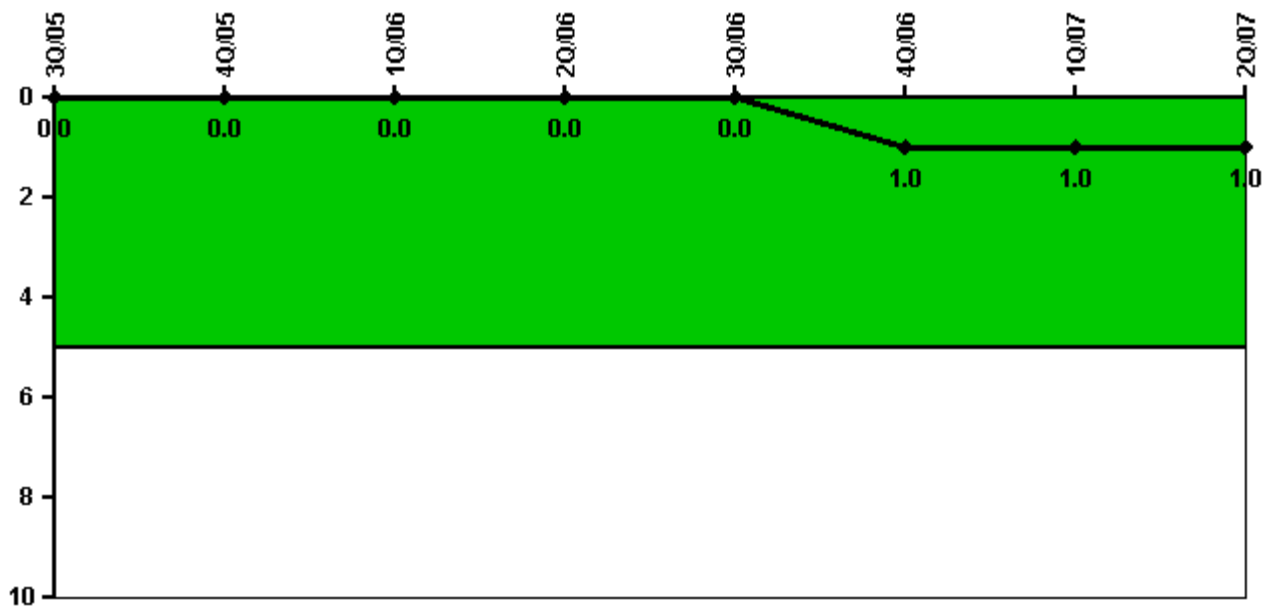
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	692.0	2160.0	2183.0	2208.0	2209.0	2159.0	871.7
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## Safety System Functional Failures (PWR)



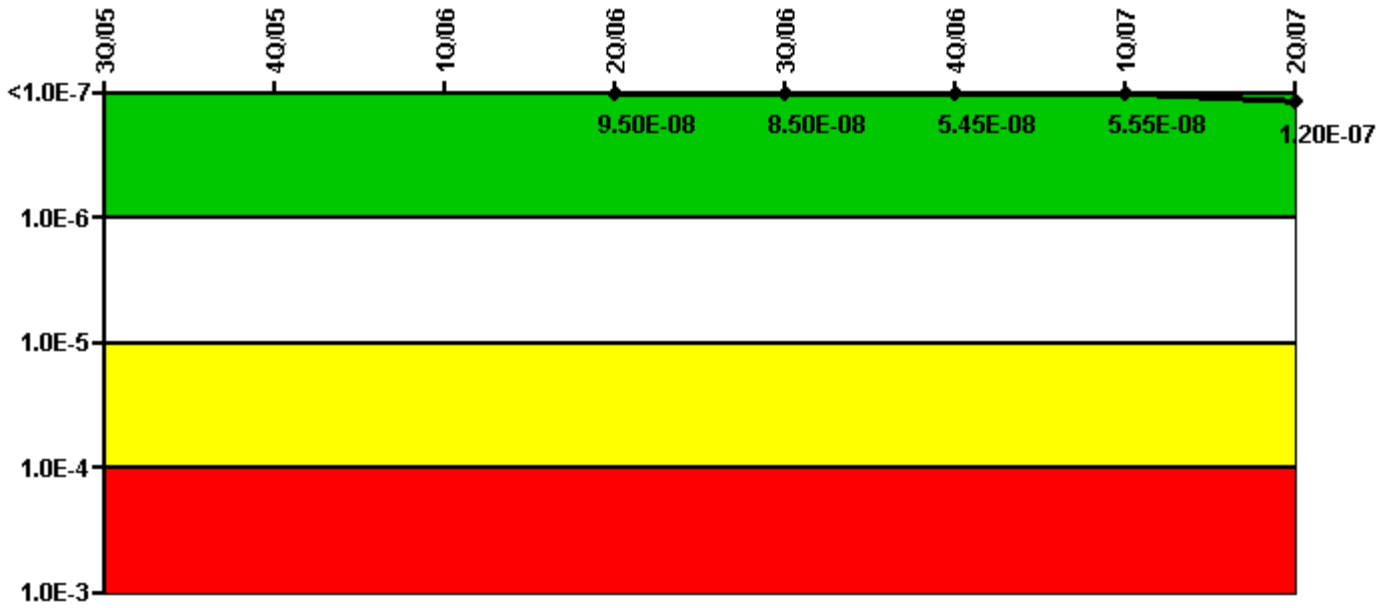
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	0	0	0	0	0	1	1	1

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



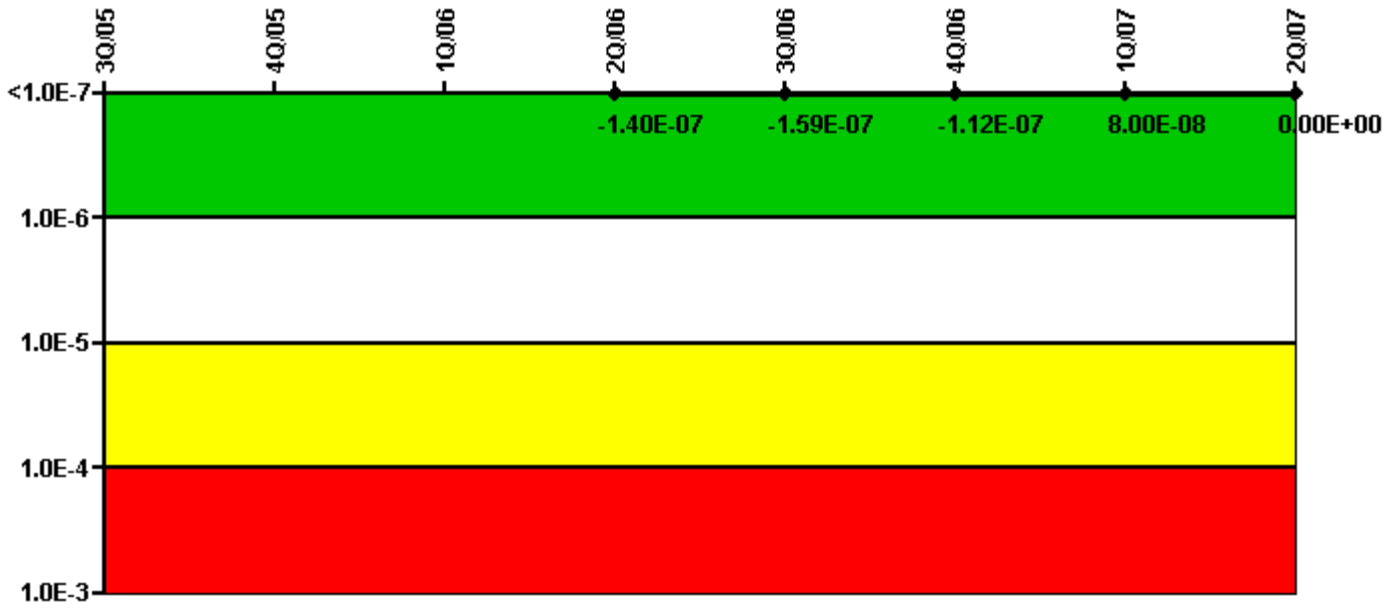
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				$1.50E-07$	$1.40E-07$	$5.10E-08$	$5.20E-08$	$1.10E-07$
URI ( $\Delta$ CDF)				$-5.50E-08$	$-5.50E-08$	$3.50E-09$	$3.50E-09$	$9.80E-09$
PLE				NO	NO	NO	NO	NO
Indicator value				$9.50E-08$	$8.50E-08$	$5.45E-08$	$5.55E-08$	$1.20E-07$

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



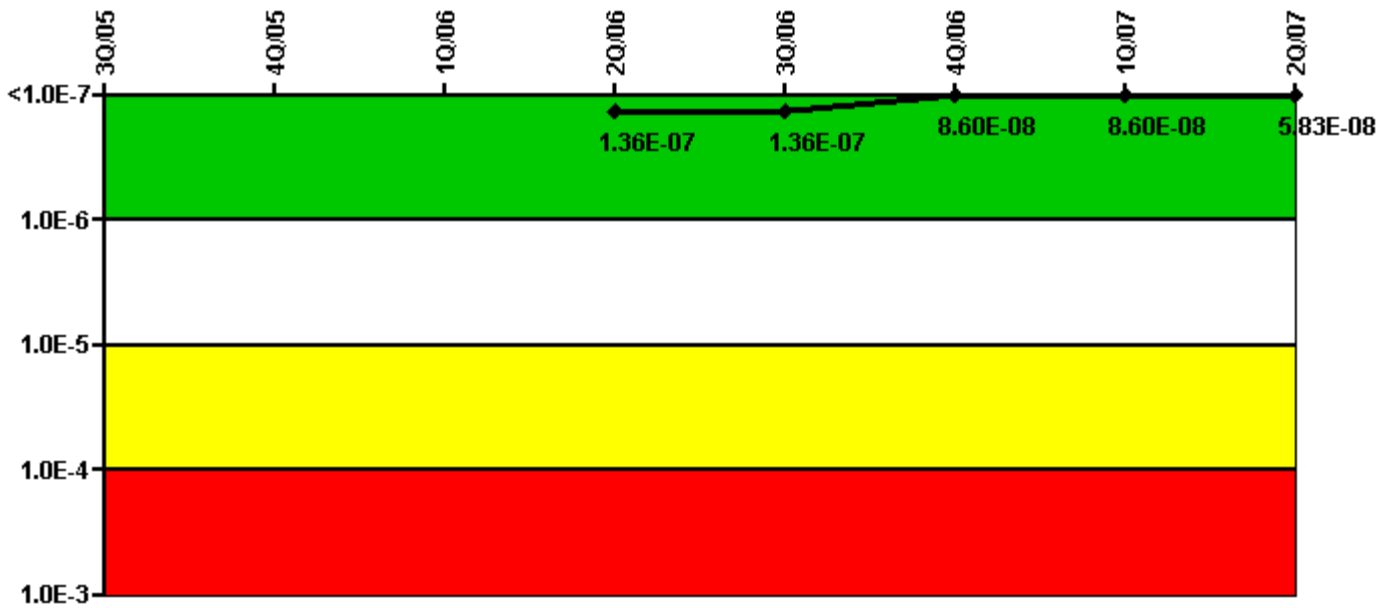
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				$6.00E-08$	$4.10E-08$	$2.80E-08$	$2.20E-07$	$1.10E-07$
URI (ΔCDF)				$-2.00E-07$	$-2.00E-07$	$-1.40E-07$	$-1.40E-07$	$-1.10E-07$
PLE				NO	NO	NO	NO	NO
Indicator value				$-1.40E-07$	$-1.59E-07$	$-1.12E-07$	$8.00E-08$	$0.00E+00$

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



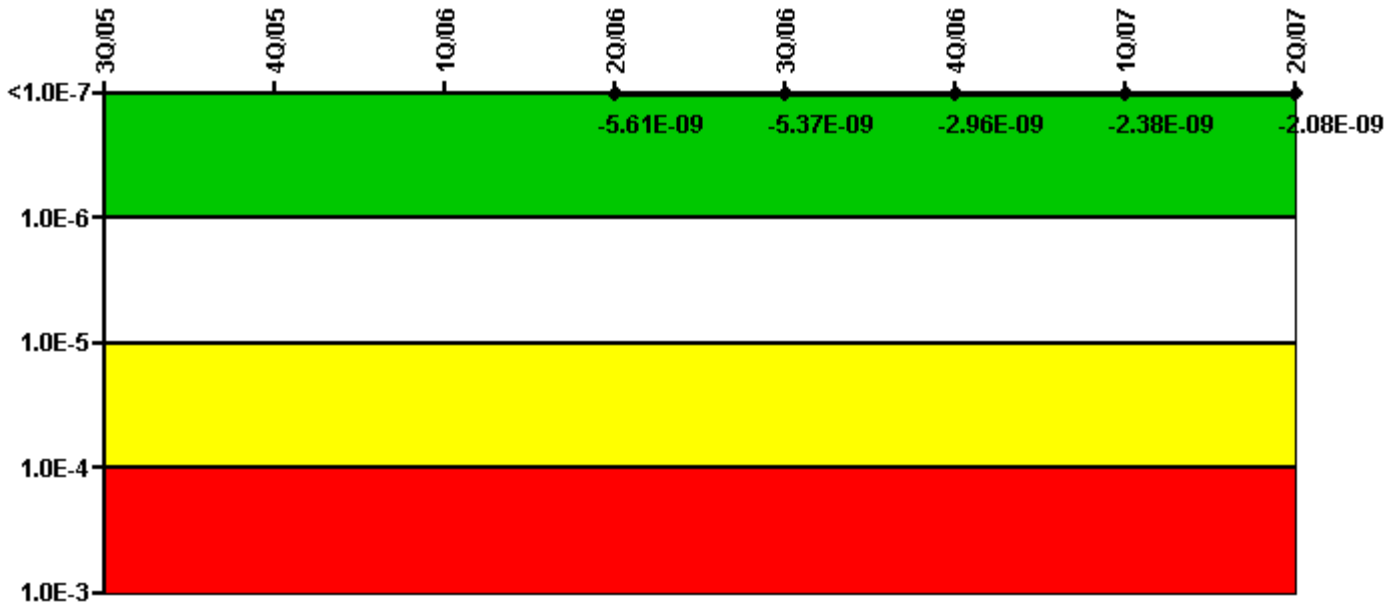
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				2.60E-08	2.60E-08	2.20E-08	2.20E-08	-2.70E-09
URI ( $\Delta$ CDF)				1.10E-07	1.10E-07	6.40E-08	6.40E-08	6.10E-08
PLE				NO	NO	NO	NO	NO
Indicator value				1.36E-07	1.36E-07	8.60E-08	8.60E-08	5.83E-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

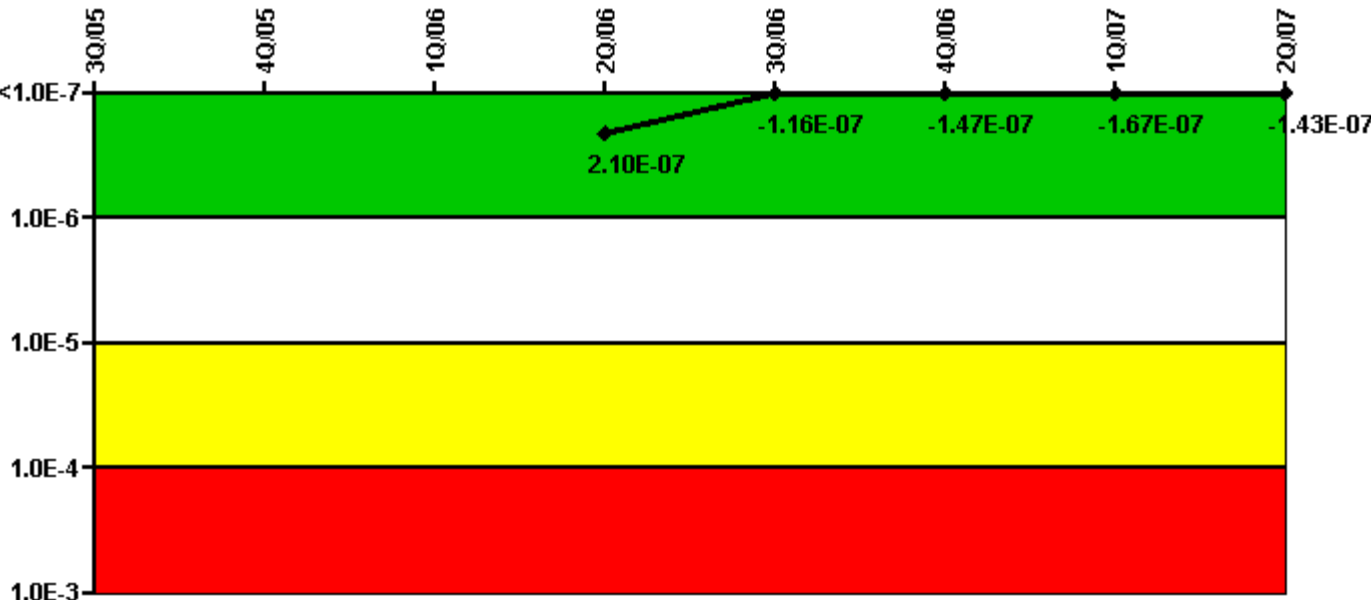
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				-6.10E-10	-3.70E-10	-2.60E-10	3.20E-10	4.20E-10
URI ( $\Delta$ CDF)				-5.00E-09	-5.00E-09	-2.70E-09	-2.70E-09	-2.50E-09
PLE				NO	NO	NO	NO	NO
Indicator value				-5.61E-09	-5.37E-09	-2.96E-09	-2.38E-09	-2.08E-09

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



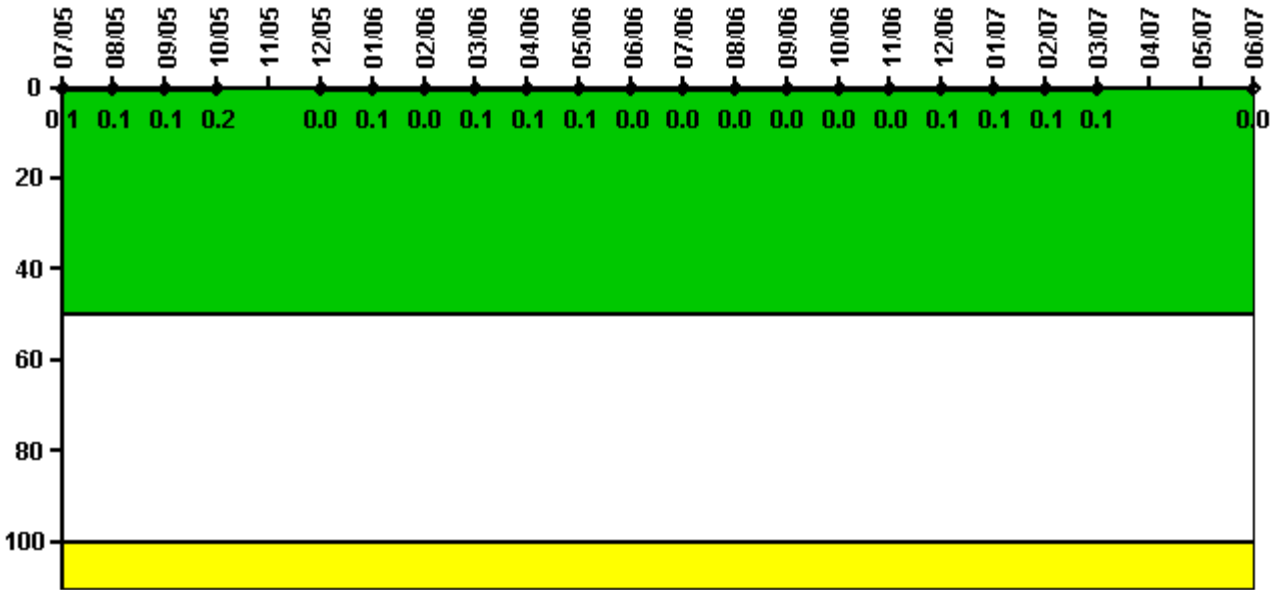
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				1.10E-07	-1.60E-07	-1.40E-07	-1.60E-07	-1.40E-07
URI (ΔCDF)				1.00E-07	4.40E-08	-6.80E-09	-6.80E-09	-3.10E-09
PLE				NO	NO	NO	NO	NO
Indicator value				2.10E-07	-1.16E-07	-1.47E-07	-1.67E-07	-1.43E-07

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

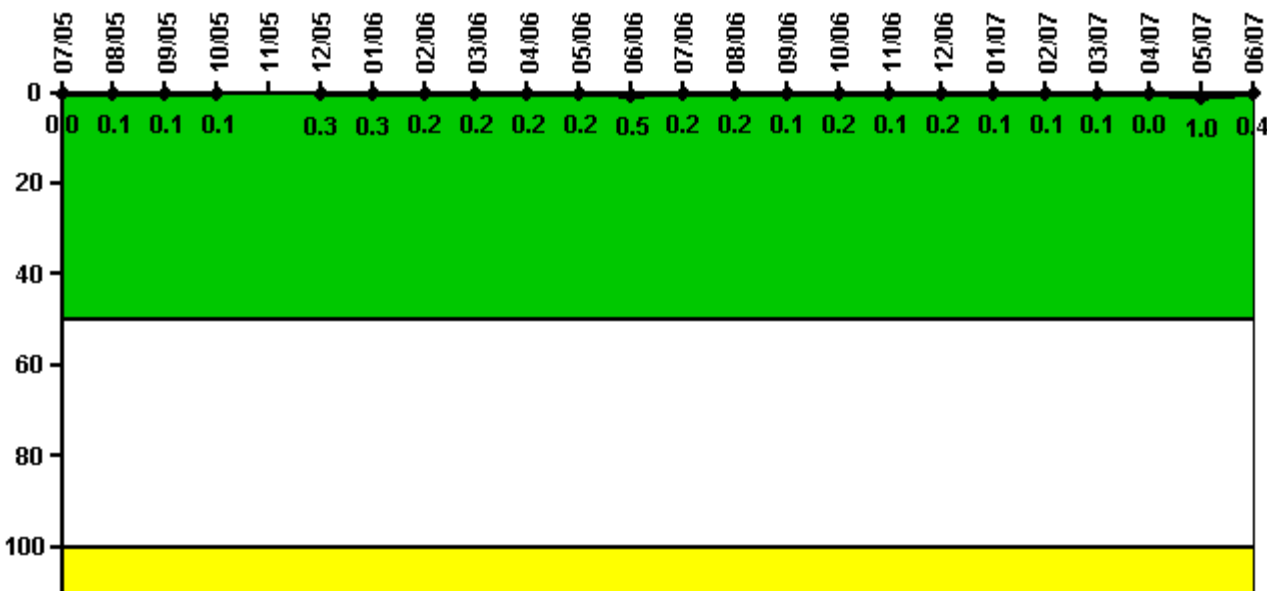
Reactor Coolant System Activity	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum activity	0.000772	0.000719	0.000755	0.001540	N/A	0.000313	0.001030	0.000481	0.000514	0.000526	0.000519	0.000467
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.2	N/A	0	0.1	0	0.1	0.1	0.1	0

Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000457	0.000467	0.000475	0.000490	0.000499	0.000541	0.000525	0.000709	0.001150	N/A	N/A	0.000210
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	0.1	0.1	0.1	0.1	N/A	N/A	0

Licensee Comments: none

# Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

## Notes

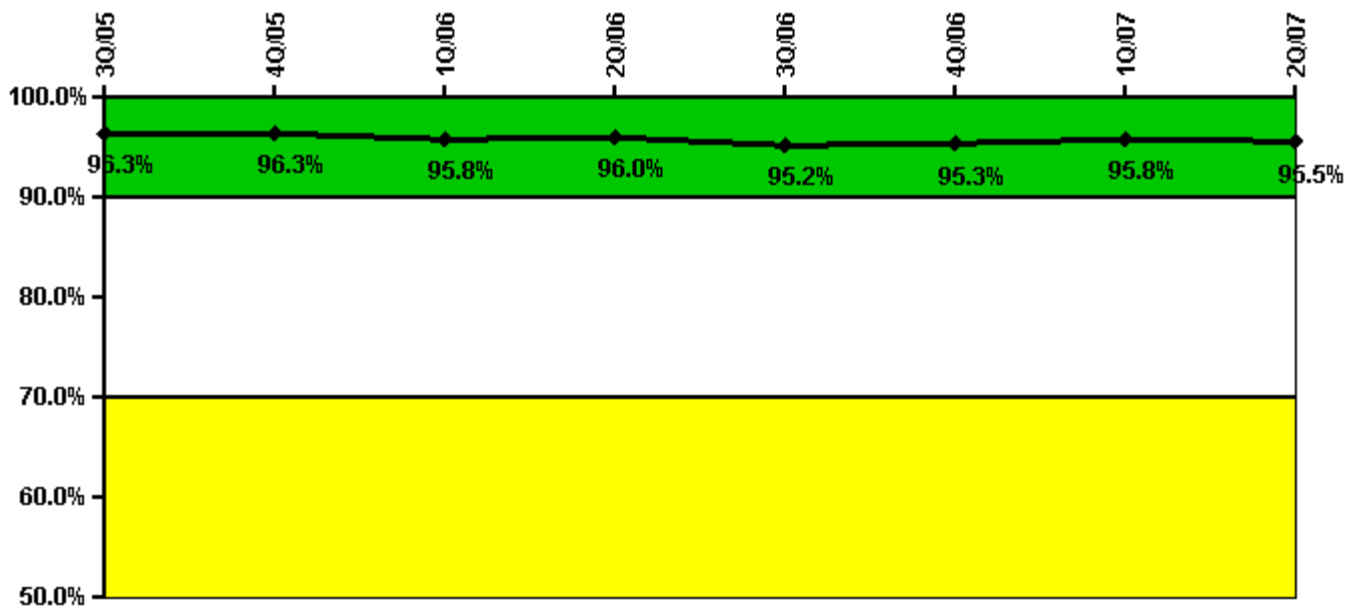
Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	0.003	0.005	0.010	0.009	N/A	0.030	0.030	0.020	0.020	0.023	0.018	0.045
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0.1	0.1	0.1	N/A	0.3	0.3	0.2	0.2	0.2	0.2	0.5

Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	0.020	0.018	0.014	0.020	0.010	0.023	0.010	0.010	0.013	0	0.103	0.036
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	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0	1.0	0.4

Licensee Comments: none

## Drill/Exercise Performance



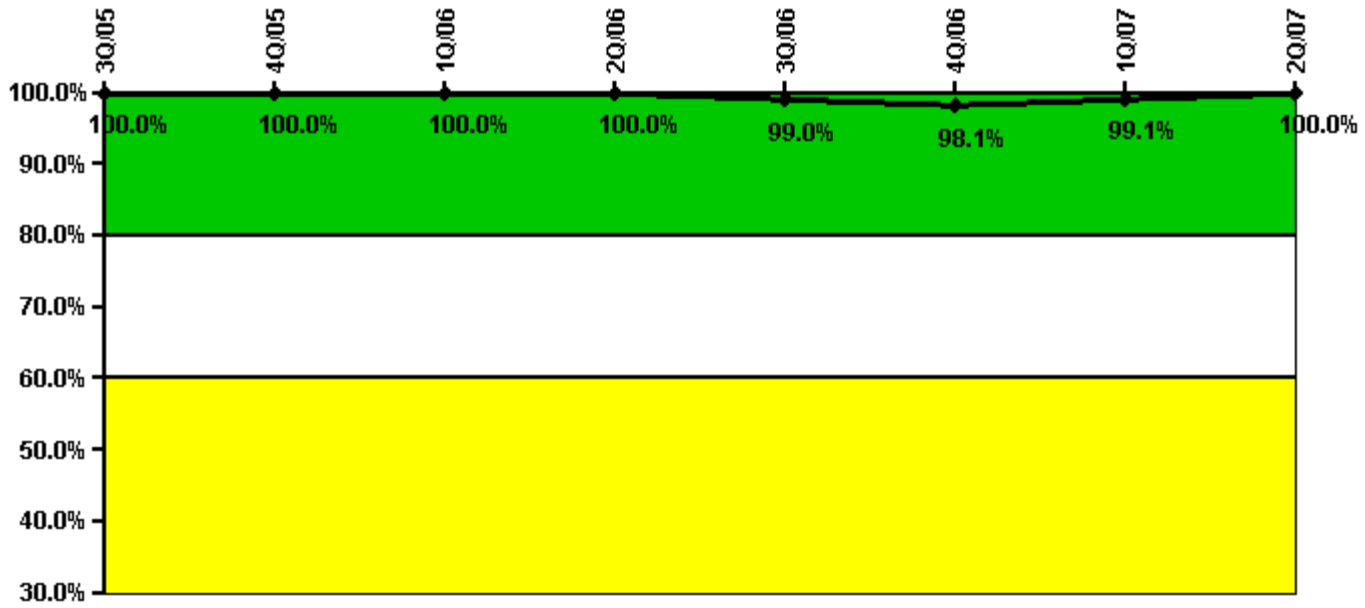
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	67.0	9.0	49.0	66.0	71.0	78.0	113.0	38.0
Total opportunities	71.0	10.0	52.0	68.0	78.0	80.0	116.0	39.0
<b>Indicator value</b>	<b>96.3%</b>	<b>96.3%</b>	<b>95.8%</b>	<b>96.0%</b>	<b>95.2%</b>	<b>95.3%</b>	<b>95.8%</b>	<b>95.5%</b>

Licensee Comments: none

# ERO Drill Participation



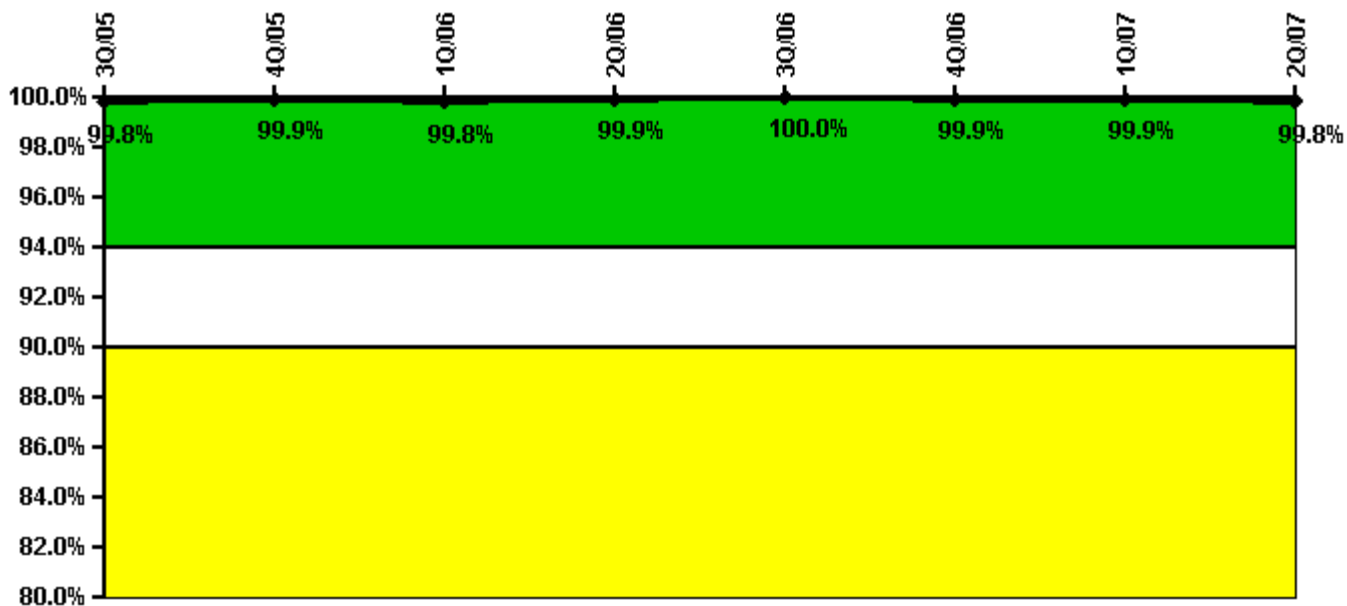
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	88.0	87.0	81.0	91.0	98.0	104.0	106.0	102.0
Total Key personnel	88.0	87.0	81.0	91.0	99.0	106.0	107.0	102.0
<b>Indicator value</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.0%</b>	<b>98.1%</b>	<b>99.1%</b>	<b>100.0%</b>

Licensee Comments: none

# Alert & Notification System



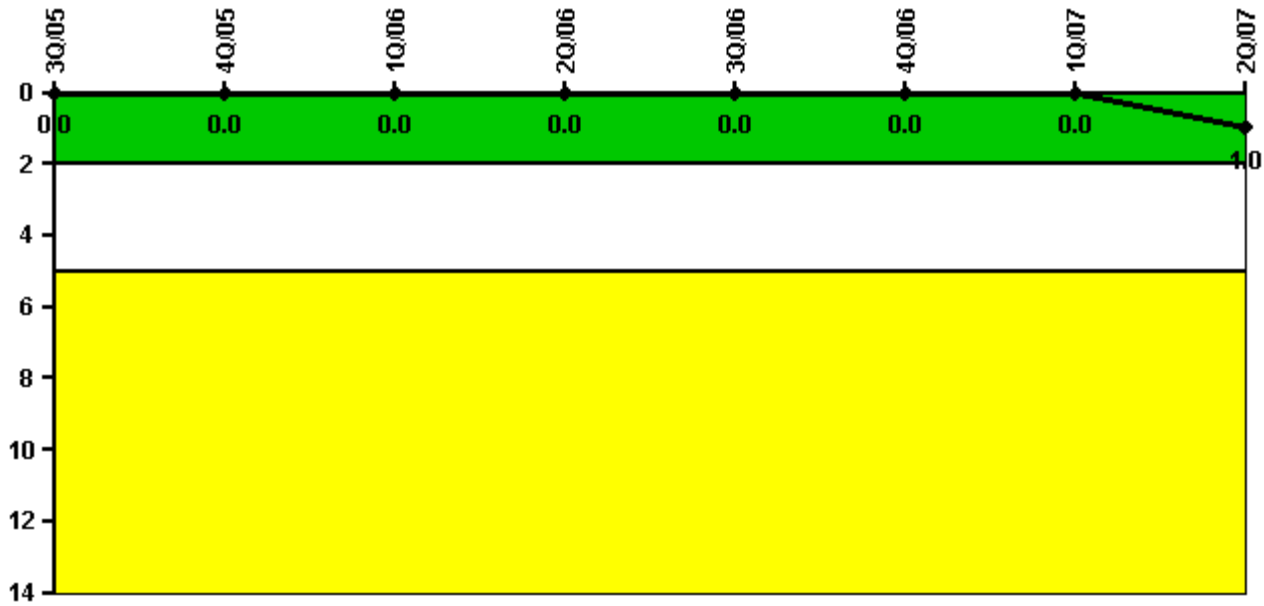
**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	711	536	719	630	630	629	719	627
Total sirens-tests	712	536	720	630	630	630	720	630
<b>Indicator value</b>	<b>99.8%</b>	<b>99.9%</b>	<b>99.8%</b>	<b>99.9%</b>	<b>100.0%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.8%</b>

Licensee Comments: none

# Occupational Exposure Control Effectiveness



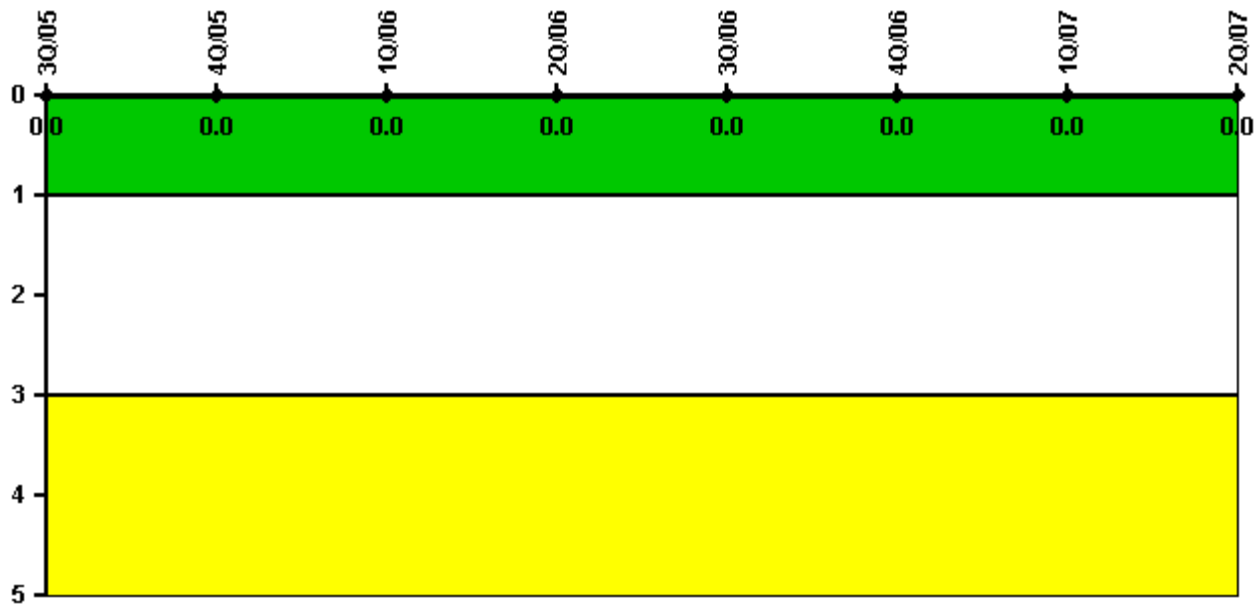
Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
High radiation area occurrences	0	0	0	0	0	0	0	1
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>1</b>

Licensee Comments: none

# RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

## Notes

RETS/ODCM Radiological Effluent	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/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: August 6, 2007