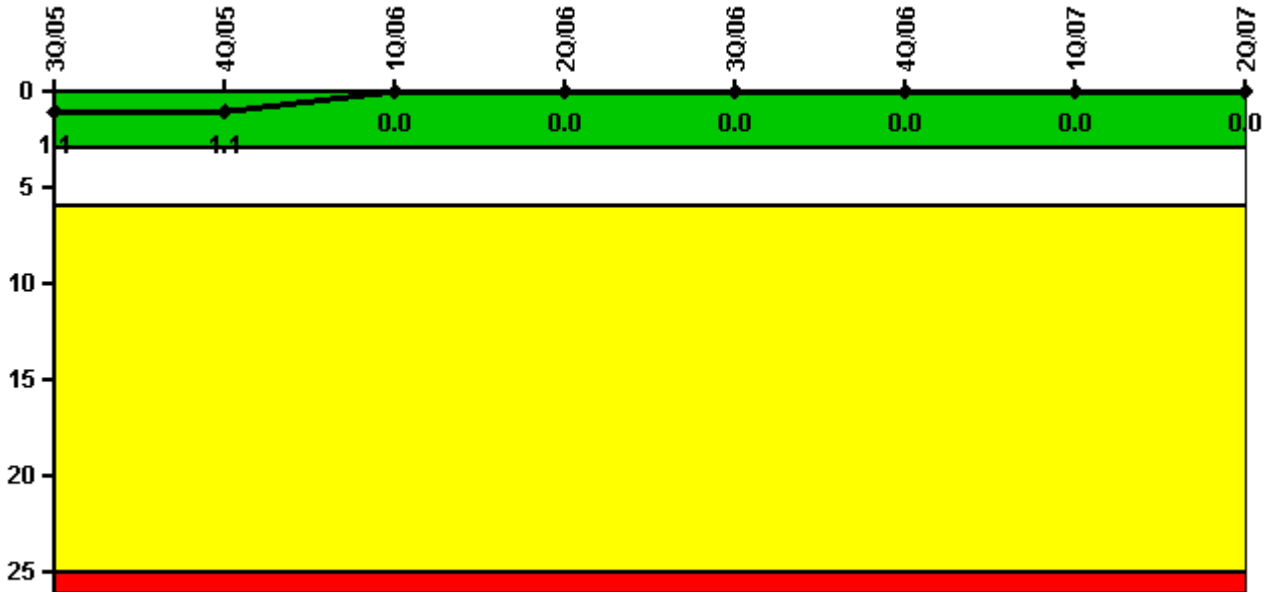


# Fort Calhoun

## 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	2209.0	2160.0	2032.2	1700.5	694.9	2159.0	2184.0
Indicator value	1.1	1.1	0	0	0	0	0	0

Licensee Comments: none

## Scrams with Loss of Normal Heat Removal



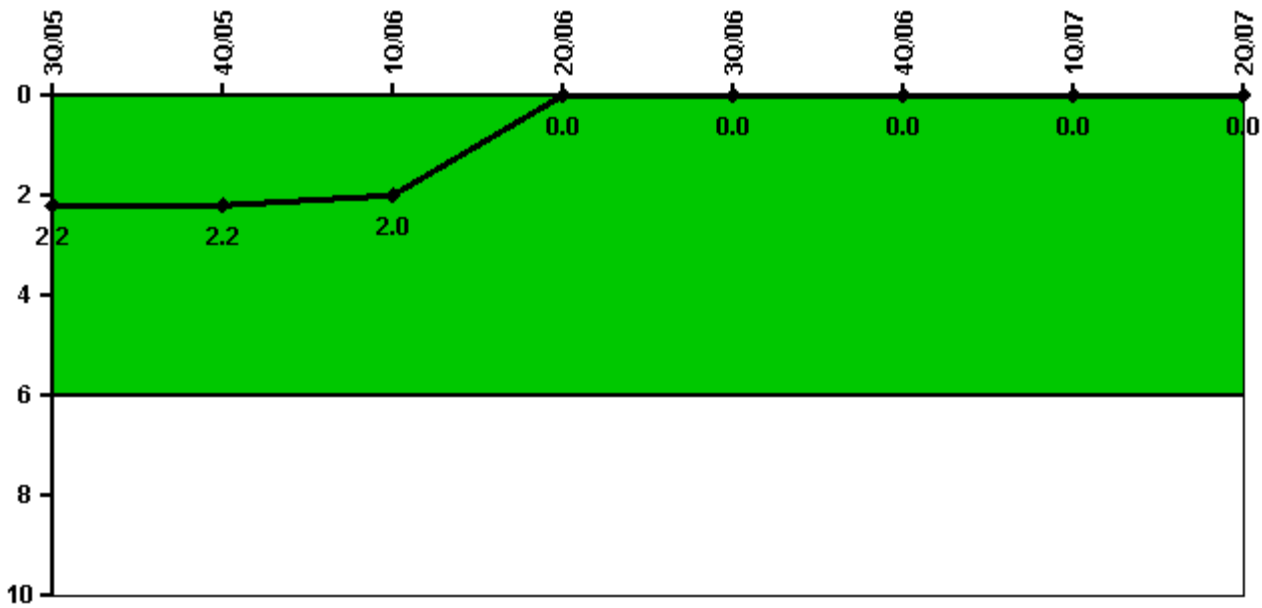
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

### 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	0	0	0	0	0	0	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



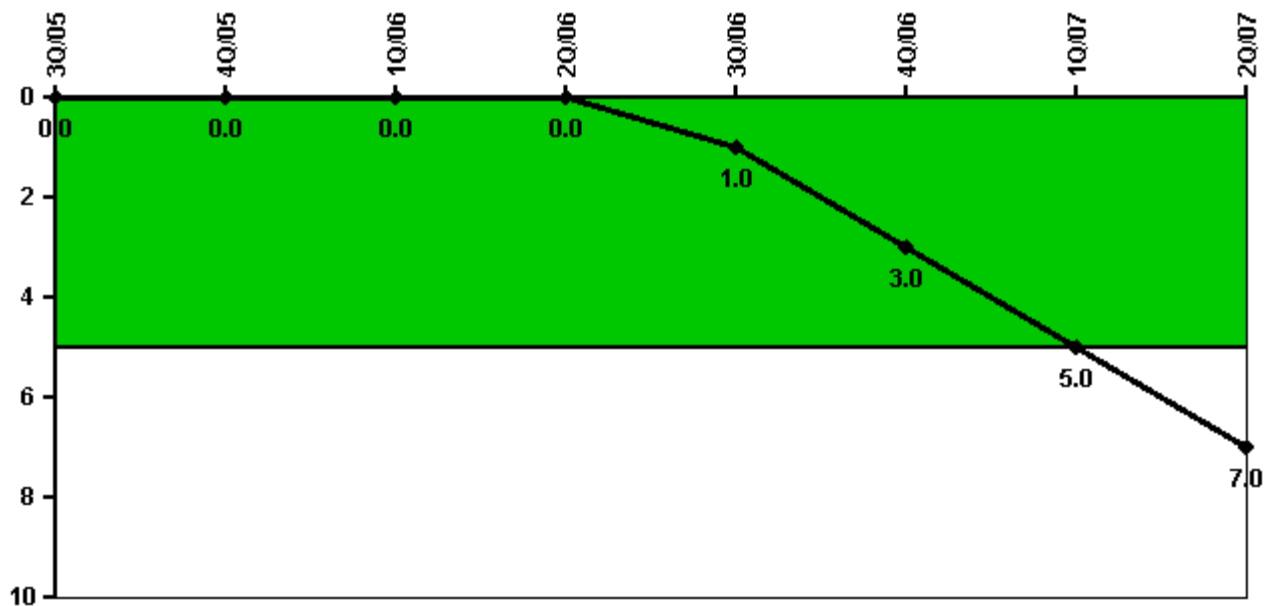
Thresholds: White > 6.0

### 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	2209.0	2160.0	2032.2	1700.5	694.9	2159.0	2184.0
Indicator value	2.2	2.2	2.0	0	0	0	0	0

Licensee Comments: none

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

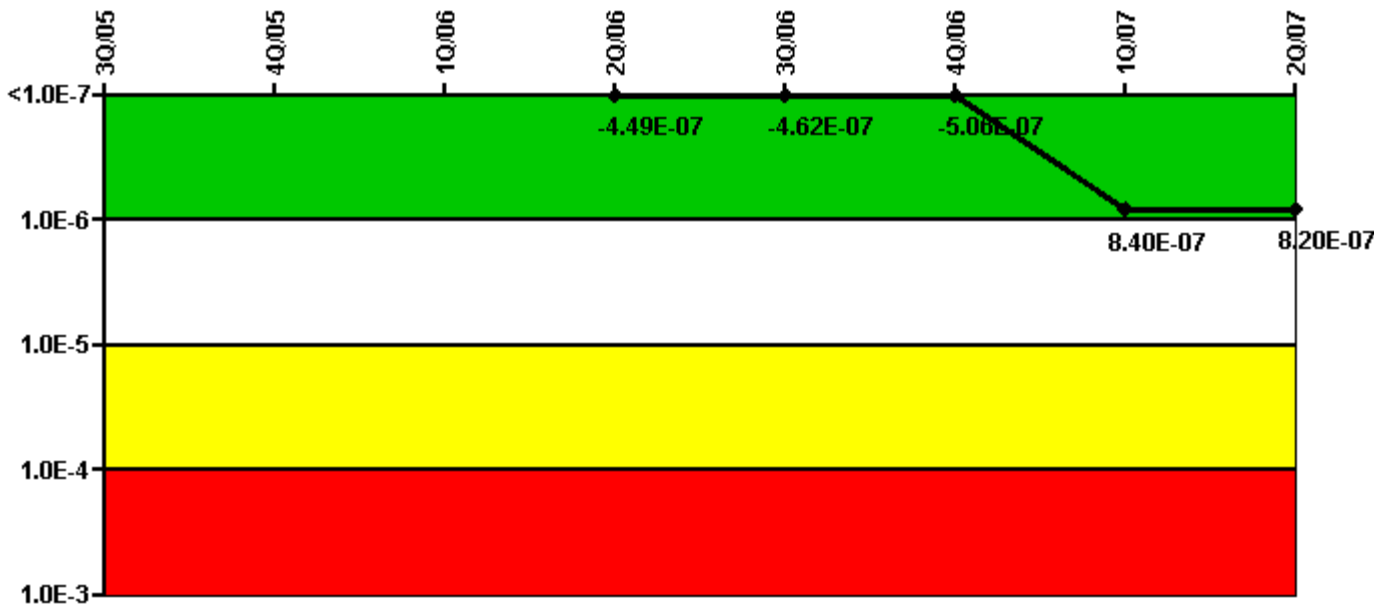
### Notes

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	1	2	2	2
Indicator value	0	0	0	0	1	3	5	7

Licensee Comments:

2Q/07: LER 2007-003, LER 2007-004

# Mitigating Systems Performance Index, Emergency AC Power System



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

## Notes

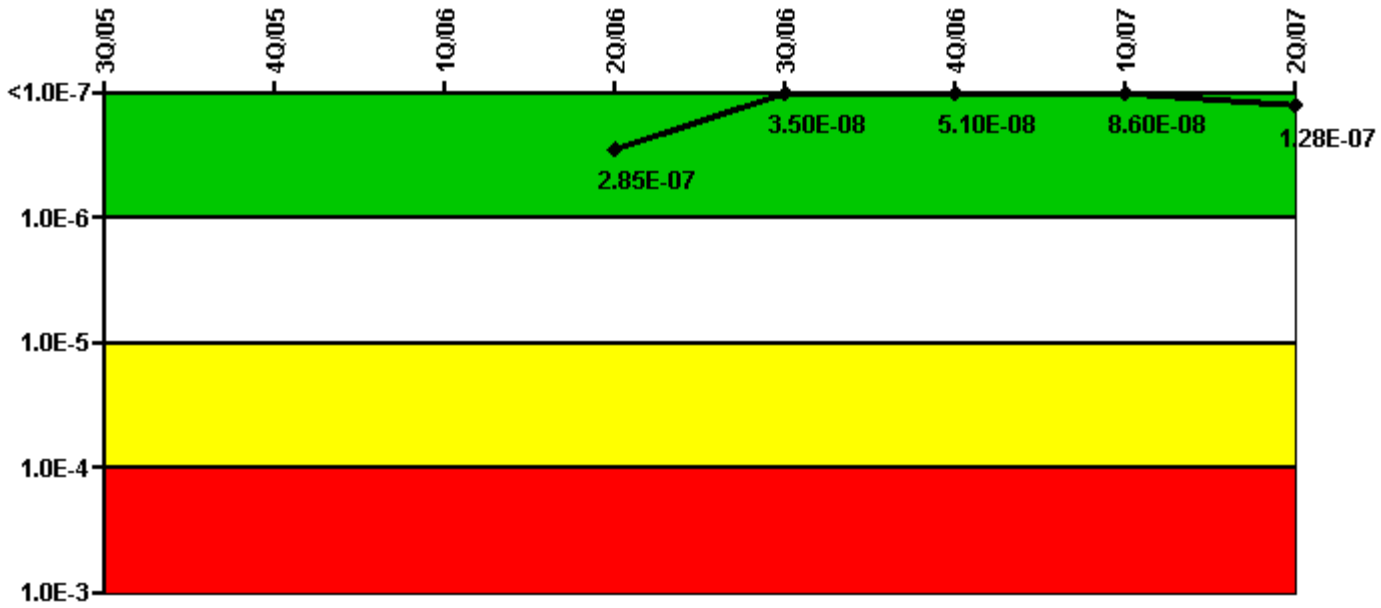
Mitigating Systems Performance Index, Emergency AC Power System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				$7.10E-08$	$4.80E-08$	$4.40E-08$	$1.60E-07$	$1.00E-07$
URI ( $\Delta$ CDF)				$-5.20E-07$	$-5.10E-07$	$-5.50E-07$	$6.80E-07$	$7.20E-07$
PLE				NO	NO	NO	NO	NO
Indicator value				$-4.49E-07$	$-4.62E-07$	$-5.06E-07$	$8.40E-07$	$8.20E-07$

Licensee Comments:

2Q/07: Risk Cap Invoked.

1Q/07: Risk Cap Invoked. During an exhaustive review of the input data for this PI an error in the number of failures reported in 2004 was noted. Only one failure occurred (LER 2004-002). This error has been corrected. The correction changes the indicator from white to green.

# Mitigating Systems Performance Index, High Pressure Injection System



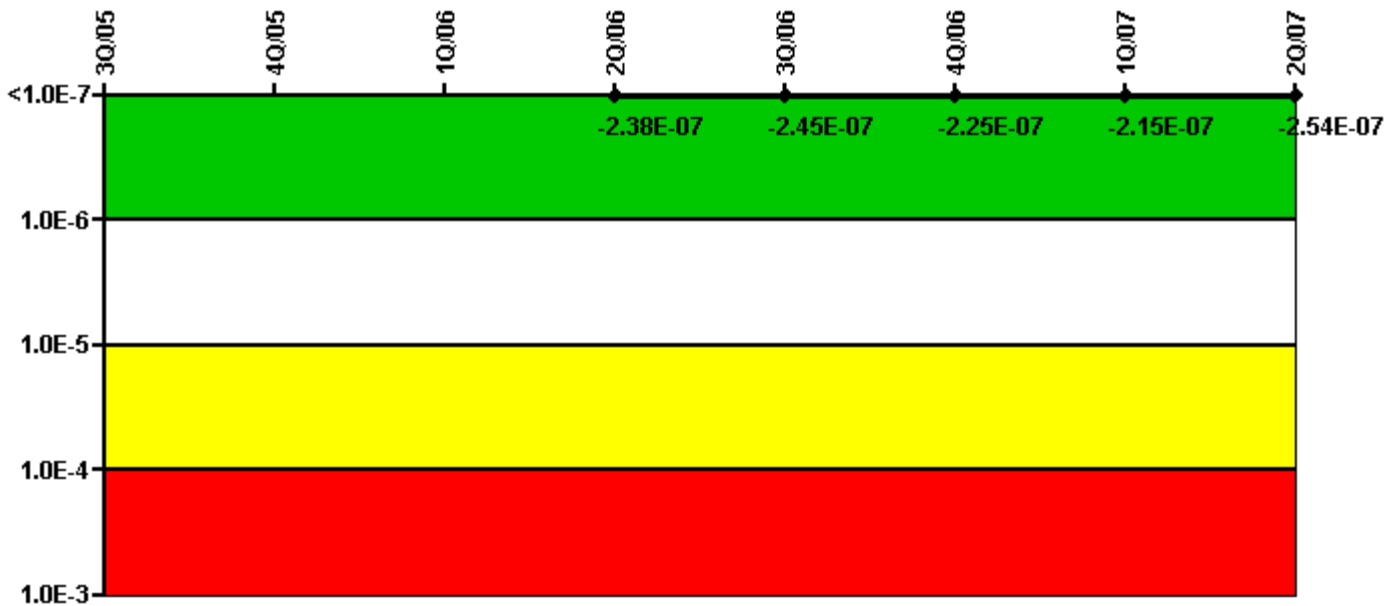
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)				3.50E-08	8.20E-08	9.70E-08	1.30E-07	1.70E-07
URI (ΔCDF)				2.50E-07	-4.70E-08	-4.60E-08	-4.40E-08	-4.20E-08
PLE				NO	NO	NO	NO	NO
Indicator value				2.85E-07	3.50E-08	5.10E-08	8.60E-08	1.28E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



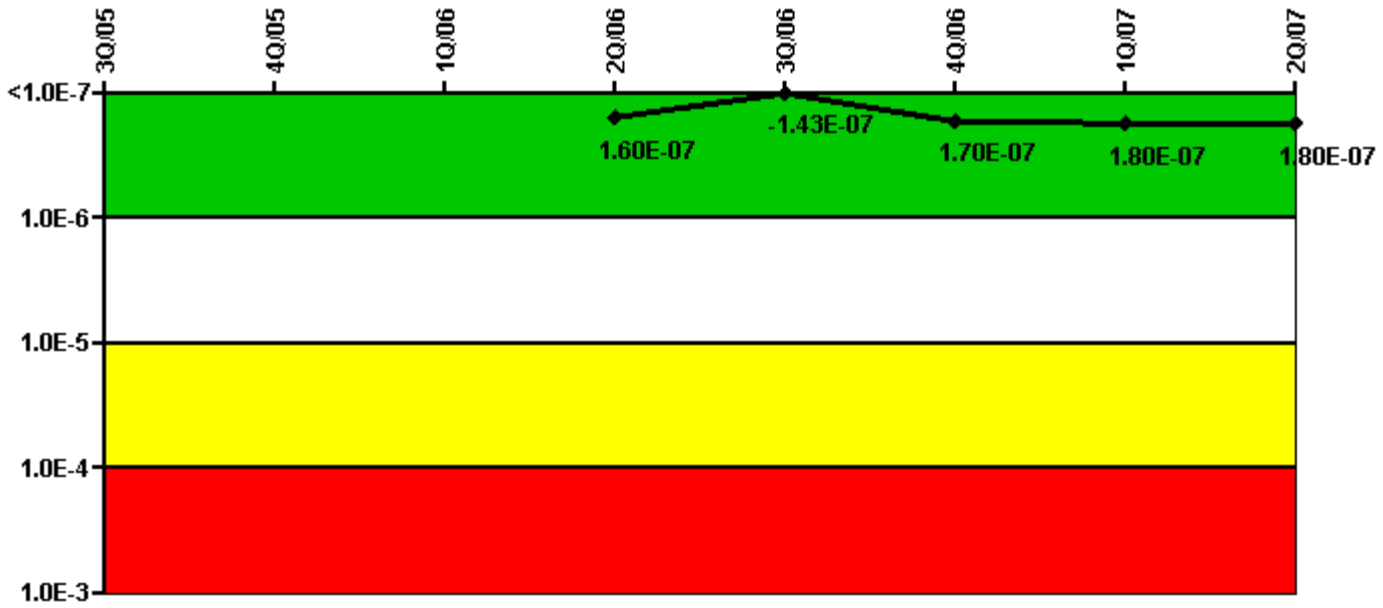
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI ( $\Delta$ CDF)				2.20E-08	2.50E-08	4.50E-08	5.50E-08	2.60E-08
URI ( $\Delta$ CDF)				-2.60E-07	-2.70E-07	-2.70E-07	-2.70E-07	-2.80E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-2.38E-07	-2.45E-07	-2.25E-07	-2.15E-07	-2.54E-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

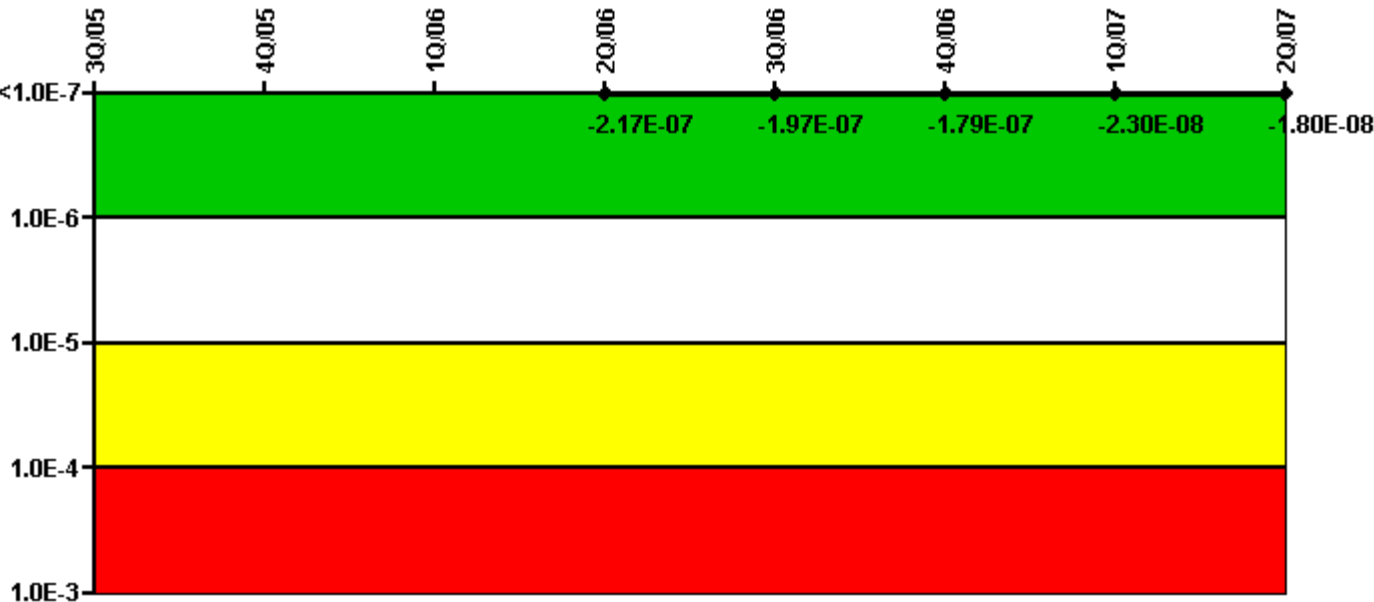
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07
URI (ΔCDF)				2.80E-07	-2.30E-08	2.80E-07	2.90E-07	2.90E-07
PLE				NO	NO	NO	NO	NO
Indicator value				1.60E-07	-1.43E-07	1.70E-07	1.80E-07	1.80E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



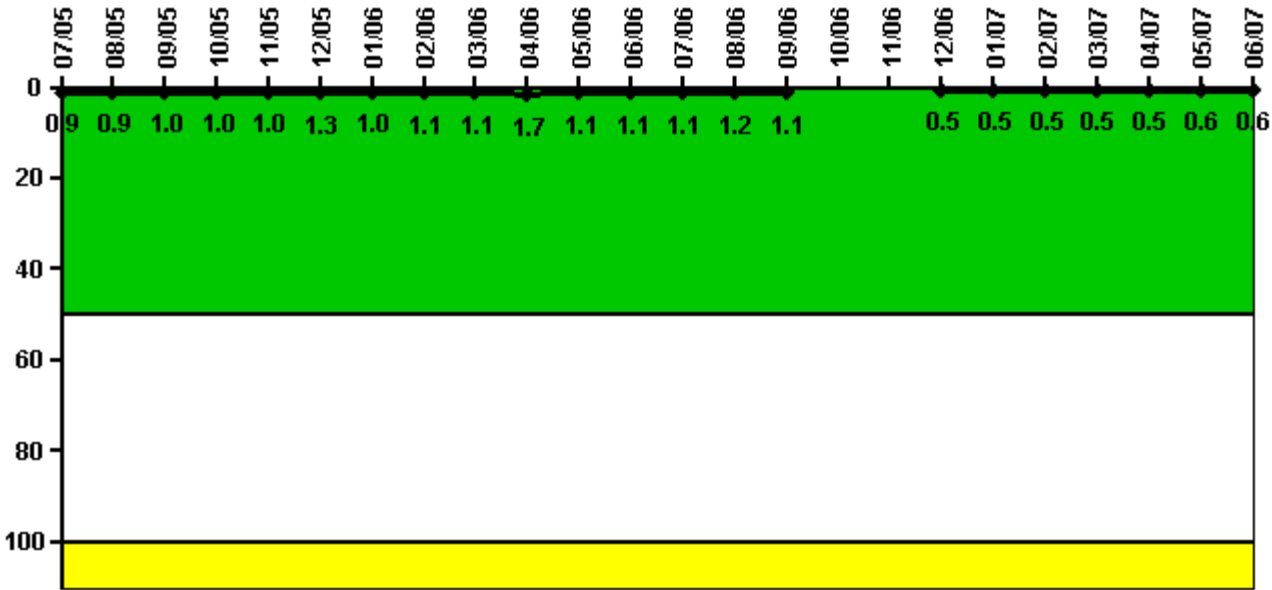
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)				-2.00E-07	-1.90E-07	-2.00E-07	-1.00E-07	-9.40E-08
URI (ΔCDF)				-1.70E-08	-7.20E-09	2.10E-08	7.70E-08	7.60E-08
PLE				NO	NO	NO	NO	NO
Indicator value				-2.17E-07	-1.97E-07	-1.79E-07	-2.30E-08	-1.80E-08

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

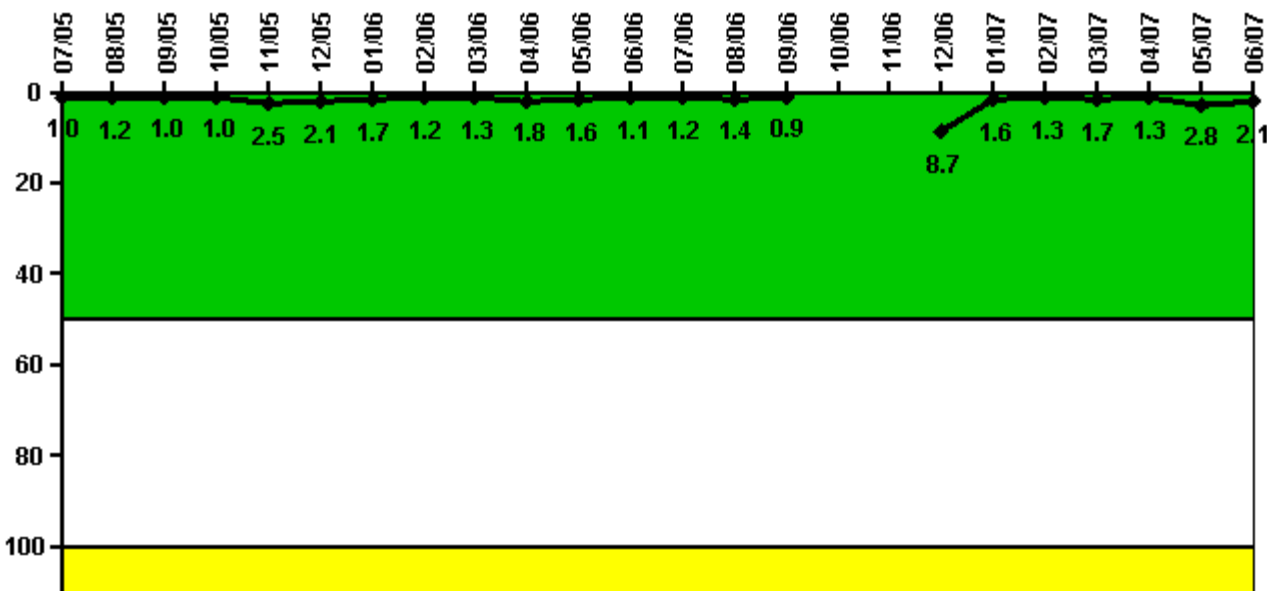
Reactor Coolant System Activity	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum activity	0.009350	0.009300	0.009700	0.010300	0.010100	0.013200	0.010400	0.011100	0.010700	0.017300	0.011000	0.011300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.9	0.9	1.0	1.0	1.0	1.3	1.0	1.1	1.1	1.7	1.1	1.1

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	0.011400	0.011800	0.011300	N/A	N/A	0.004720	0.005150	0.005110	0.005290	0.005320	0.005560	0.005730
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	1.1	1.2	1.1	N/A	N/A	0.5	0.5	0.5	0.5	0.5	0.6	0.6

Licensee Comments: none

# Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

## Notes

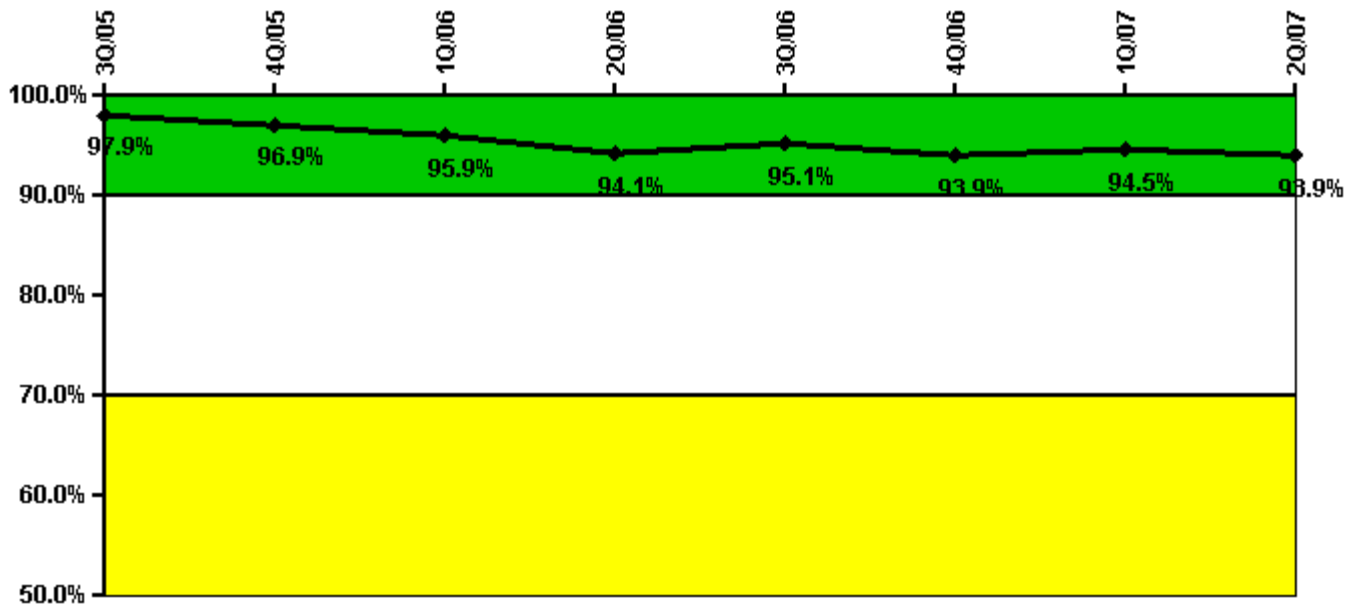
Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	0.099	0.118	0.098	0.099	0.246	0.209	0.167	0.124	0.134	0.184	0.157	0.111
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	1.2	1.0	1.0	2.5	2.1	1.7	1.2	1.3	1.8	1.6	1.1

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	0.121	0.140	0.094	N/A	N/A	0.866	0.155	0.128	0.169	0.127	0.277	0.205
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	1.2	1.4	0.9	N/A	N/A	8.7	1.6	1.3	1.7	1.3	2.8	2.1

Licensee Comments: none

## Drill/Exercise Performance



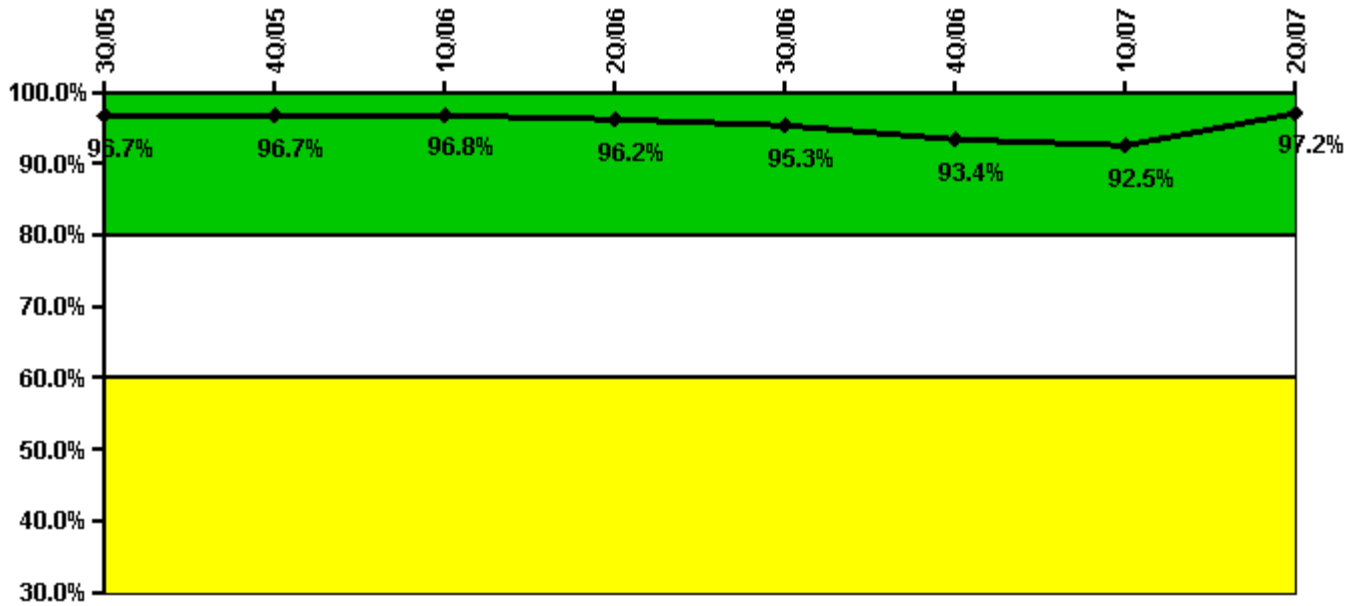
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	22.0	52.0	17.0	31.0	27.0	0	31.0	21.0
Total opportunities	22.0	55.0	19.0	36.0	27.0	0	32.0	23.0
<b>Indicator value</b>	<b>97.9%</b>	<b>96.9%</b>	<b>95.9%</b>	<b>94.1%</b>	<b>95.1%</b>	<b>93.9%</b>	<b>94.5%</b>	<b>93.9%</b>

Licensee Comments: none

# ERO Drill Participation



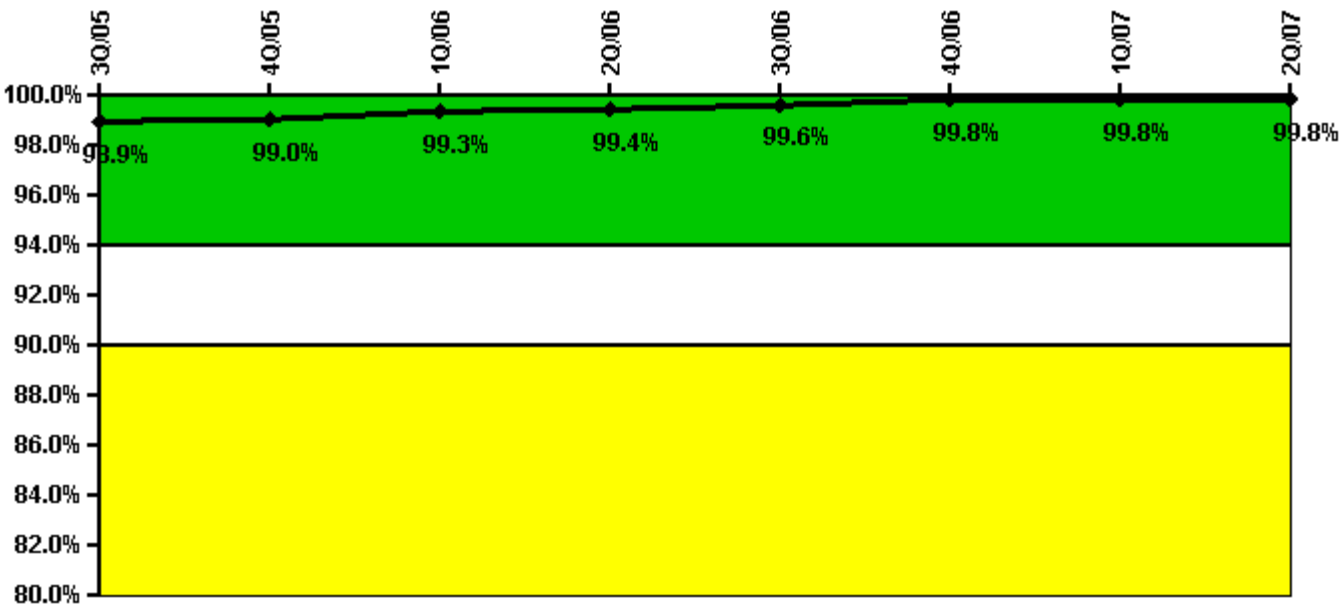
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	87.0	89.0	90.0	100.0	101.0	99.0	99.0	106.0
Total Key personnel	90.0	92.0	93.0	104.0	106.0	106.0	107.0	109.0
<b>Indicator value</b>	<b>96.7%</b>	<b>96.7%</b>	<b>96.8%</b>	<b>96.2%</b>	<b>95.3%</b>	<b>93.4%</b>	<b>92.5%</b>	<b>97.2%</b>

Licensee Comments: none

# Alert & Notification System



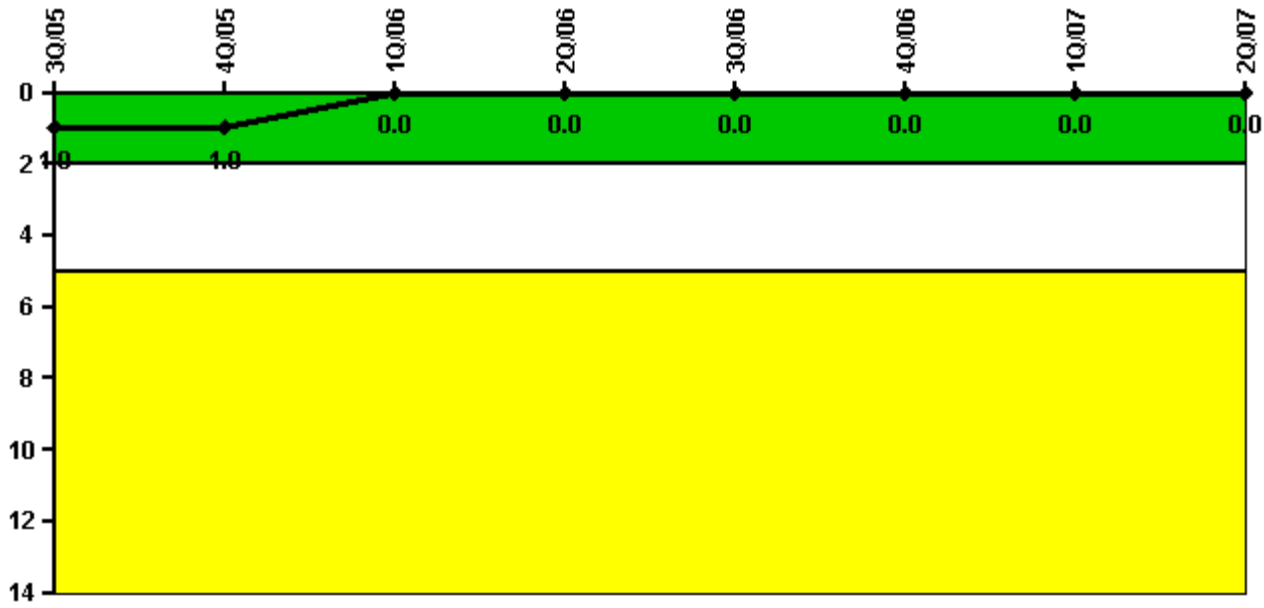
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	897	702	807	706	905	706	807	706
Total sirens-tests	909	707	808	707	909	707	808	707
<b>Indicator value</b>	<b>98.9%</b>	<b>99.0%</b>	<b>99.3%</b>	<b>99.4%</b>	<b>99.6%</b>	<b>99.8%</b>	<b>99.8%</b>	<b>99.8%</b>

Licensee Comments: none

# Occupational Exposure Control Effectiveness



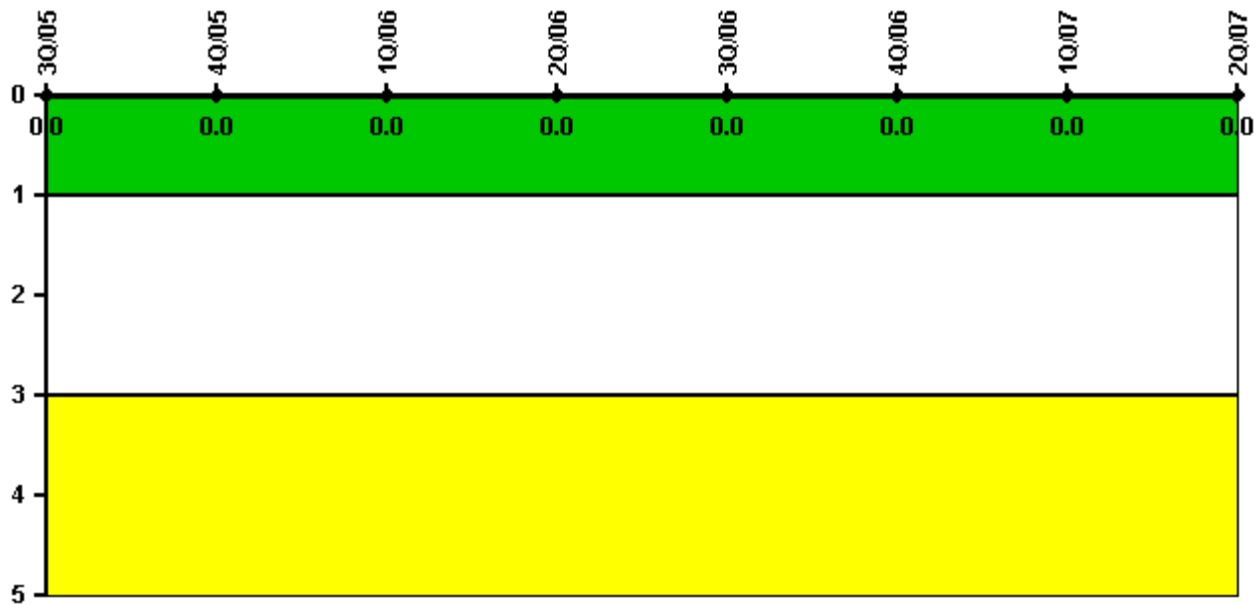
Thresholds: White > 2.0 Yellow > 5.0

## 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	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>1</b>	<b>1</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/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.