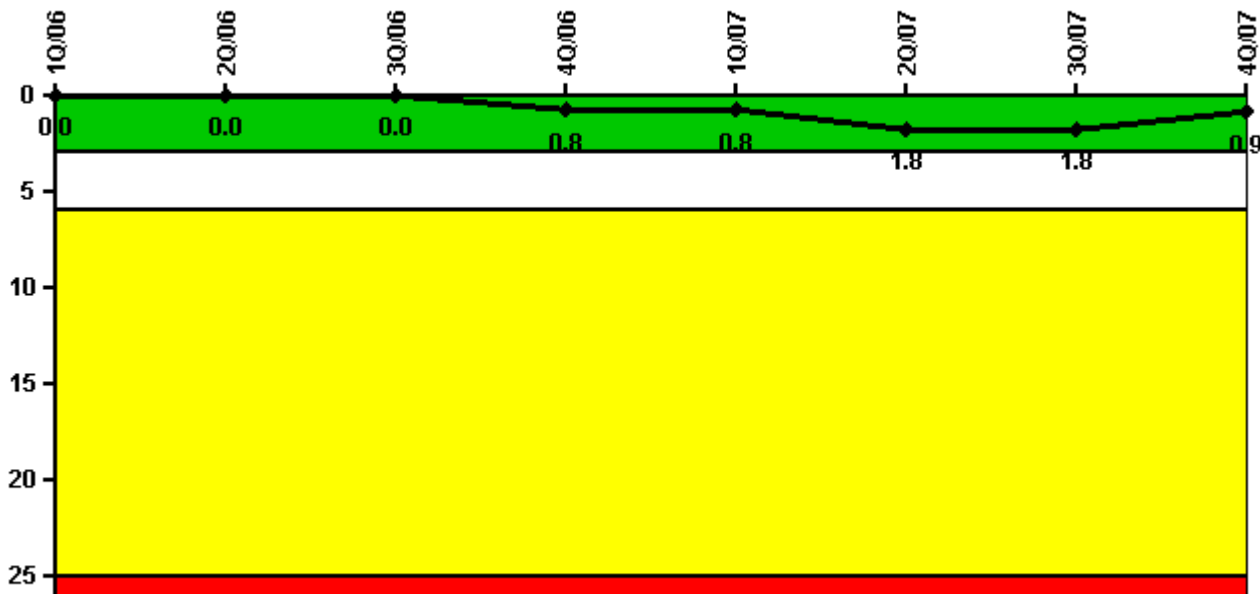


# Robinson 2

## 4Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



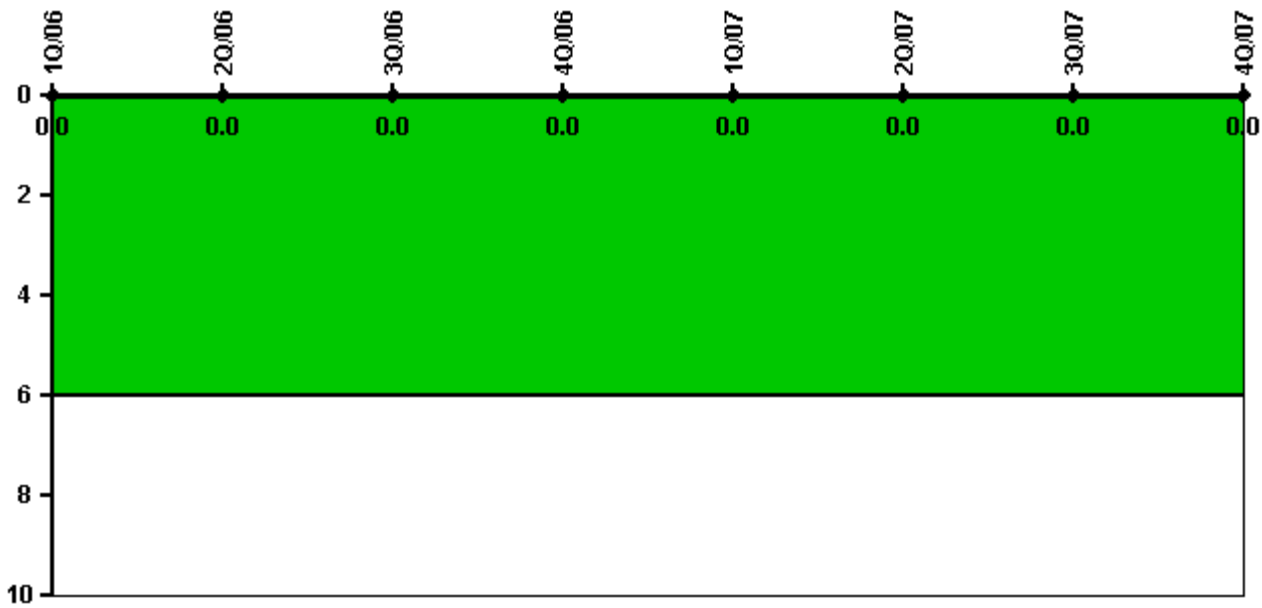
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	1.0	0	0
Critical hours	2160.0	2183.0	2208.0	2172.0	2159.0	1285.1	2208.0	2209.0
Indicator value	0	0	0	0.8	0.8	1.8	1.8	0.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



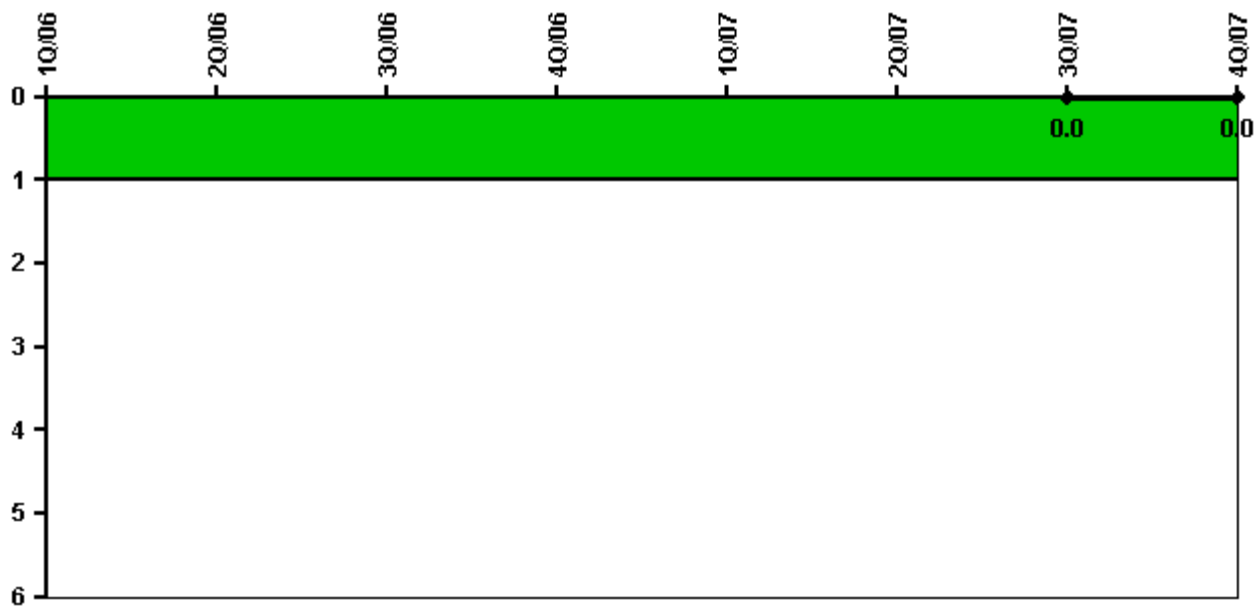
Thresholds: White > 6.0

### 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	2172.0	2159.0	1285.1	2208.0	2209.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

# Unplanned Scrams with Complications



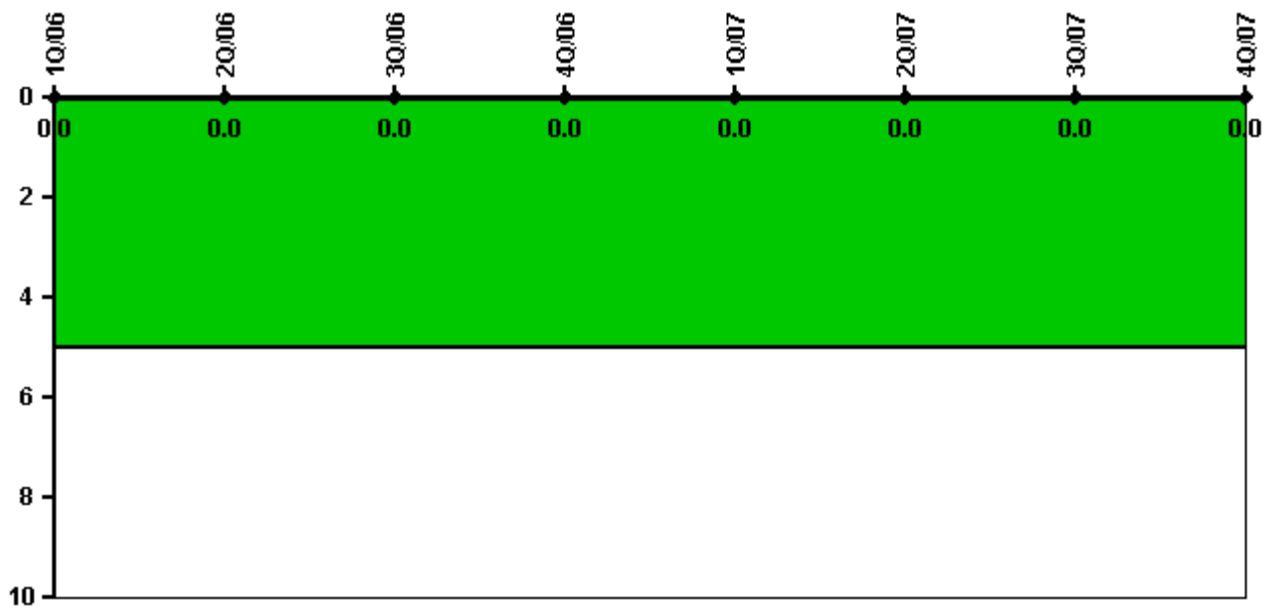
Thresholds: White > 1.0

## Notes

Unplanned Scrams with Complications	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)



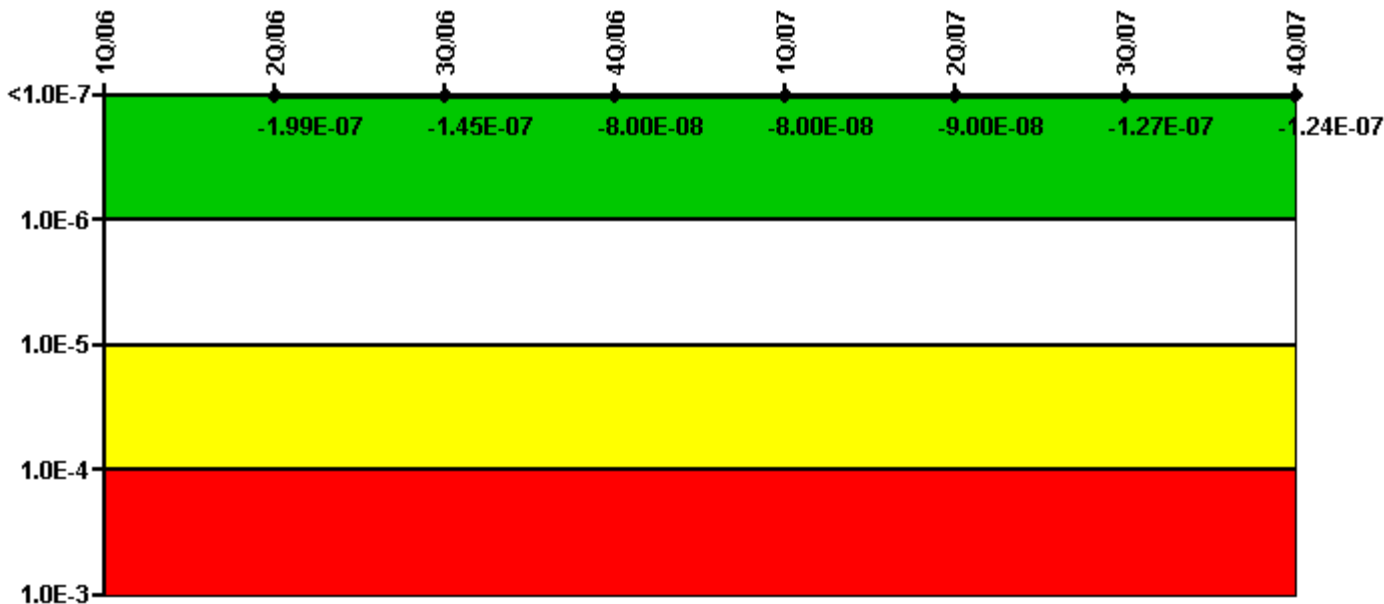
Thresholds: White > 5.0

## 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



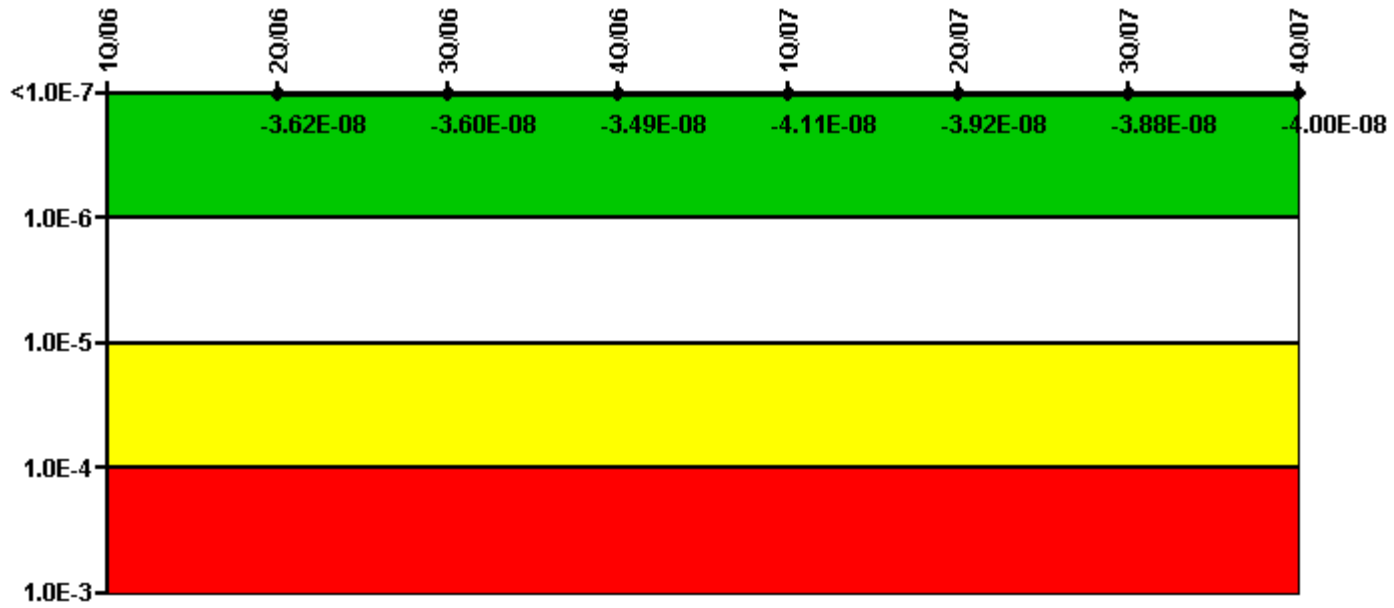
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

## 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 ( $\Delta$ CDF)		$2.10E-08$	$7.50E-08$	$1.40E-07$	$1.40E-07$	$1.30E-07$	$9.30E-08$	$9.60E-08$
URI ( $\Delta$ CDF)		$-2.20E-07$	$-2.20E-07$	$-2.20E-07$	$-2.20E-07$	$-2.20E-07$	$-2.20E-07$	$-2.20E-07$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$-1.99E-07$	$-1.45E-07$	$-8.00E-08$	$-8.00E-08$	$-9.00E-08$	$-1.27E-07$	$-1.24E-07$

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)		-1.60E-10	2.20E-11	1.10E-09	-5.10E-09	-3.20E-09	-2.80E-09	-4.00E-09
URI (ΔCDF)		-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-3.62E-08	-3.60E-08	-3.49E-08	-4.11E-08	-3.92E-08	-3.88E-08	-4.00E-08

## Licensee Comments:

4Q/07: Changed PRA Parameter(s). UABLU value for Pump Train A was changed to 6.10e-04 effective back to 2Q2006. This was due to a previous data entry error. This correction had no significant impact and the indicator remained GREEN over the affected period.

3Q/07: Changed PRA Parameter(s).

2Q/07: Changed PRA Parameter(s).

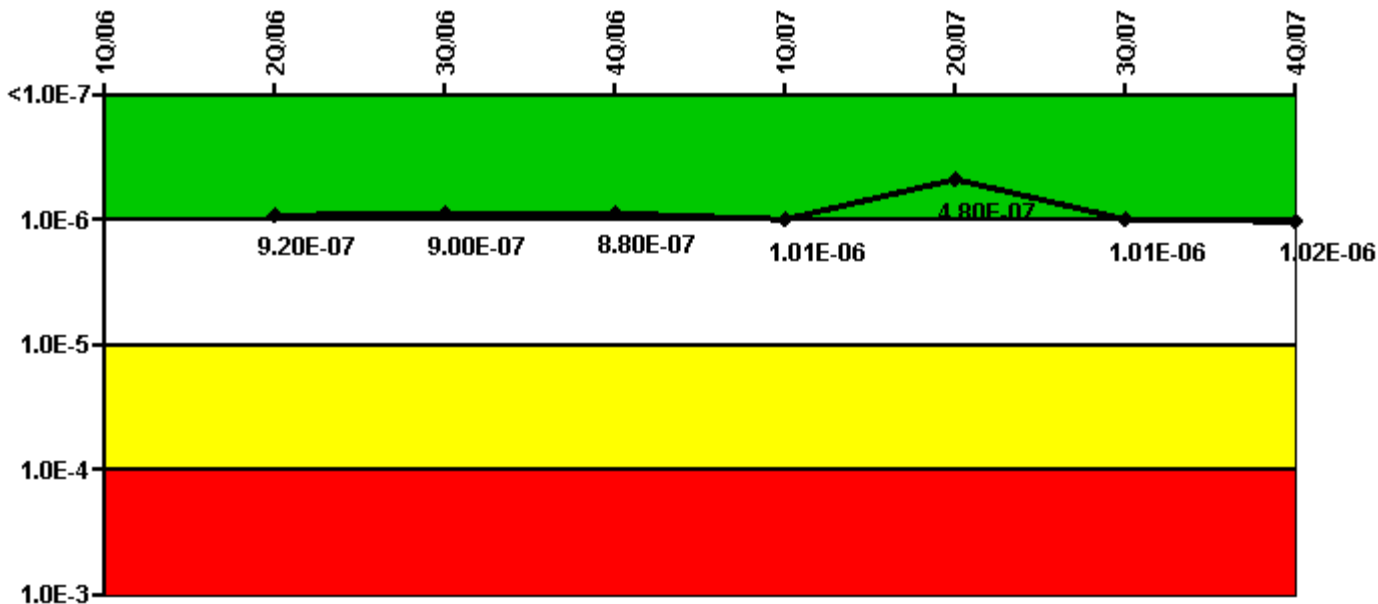
1Q/07: Changed PRA Parameter(s).

4Q/06: Changed PRA Parameter(s).

3Q/06: Changed PRA Parameter(s).

2Q/06: Changed PRA Parameter(s).

# 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)		$1.30E-07$	$1.10E-07$	$1.00E-07$	$2.30E-07$	$2.40E-07$	$2.70E-07$	$2.80E-07$
URI ( $\Delta$ CDF)		$7.90E-07$	$7.90E-07$	$7.80E-07$	$7.80E-07$	$2.40E-07$	$7.40E-07$	$7.40E-07$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$9.20E-07$	$9.00E-07$	$8.80E-07$	$1.01E-06$	$4.80E-07$	$1.01E-06$	$1.02E-06$

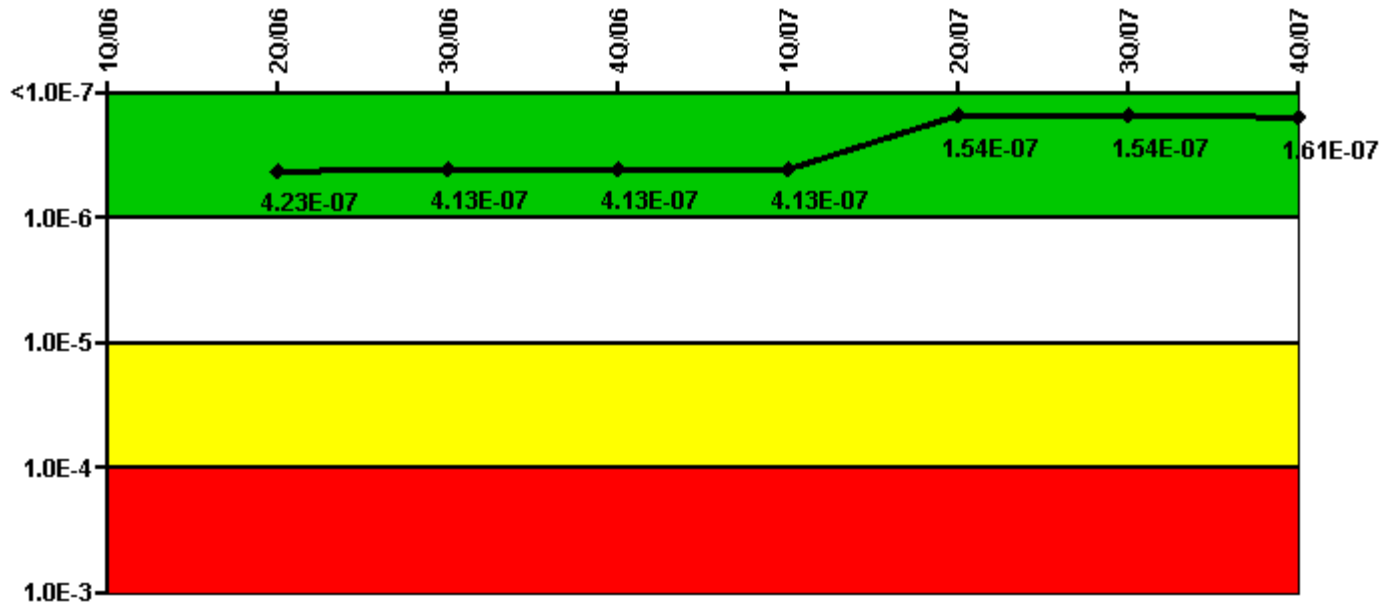
Licensee Comments:

4Q/07: Risk Cap Invoked. Unavailability hours for AFW for March 2006 and January 2007 were corrected.

3Q/07: Risk Cap Invoked.

2Q/07: A potential valve failure (TCV-1903B) in June 2007 is under evaluation. A potential pump failure (A-MDAFW-PMP) in May 2007 is also under evaluation.

# 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 (ΔCDF)		-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.60E-08	-1.60E-08	-9.20E-09
URI (ΔCDF)		4.40E-07	4.30E-07	4.30E-07	4.30E-07	1.70E-07	1.70E-07	1.70E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		4.23E-07	4.13E-07	4.13E-07	4.13E-07	1.54E-07	1.54E-07	1.61E-07

Licensee Comments:

4Q/07: Changed PRA Parameter(s). FVURC value for RHR-PMP-A was inadvertently changed. This was recognized by the individual and changed back. Therefore, this value was not changed.

3Q/07: Changed PRA Parameter(s).

2Q/07: Changed PRA Parameter(s).

1Q/07: Changed PRA Parameter(s).

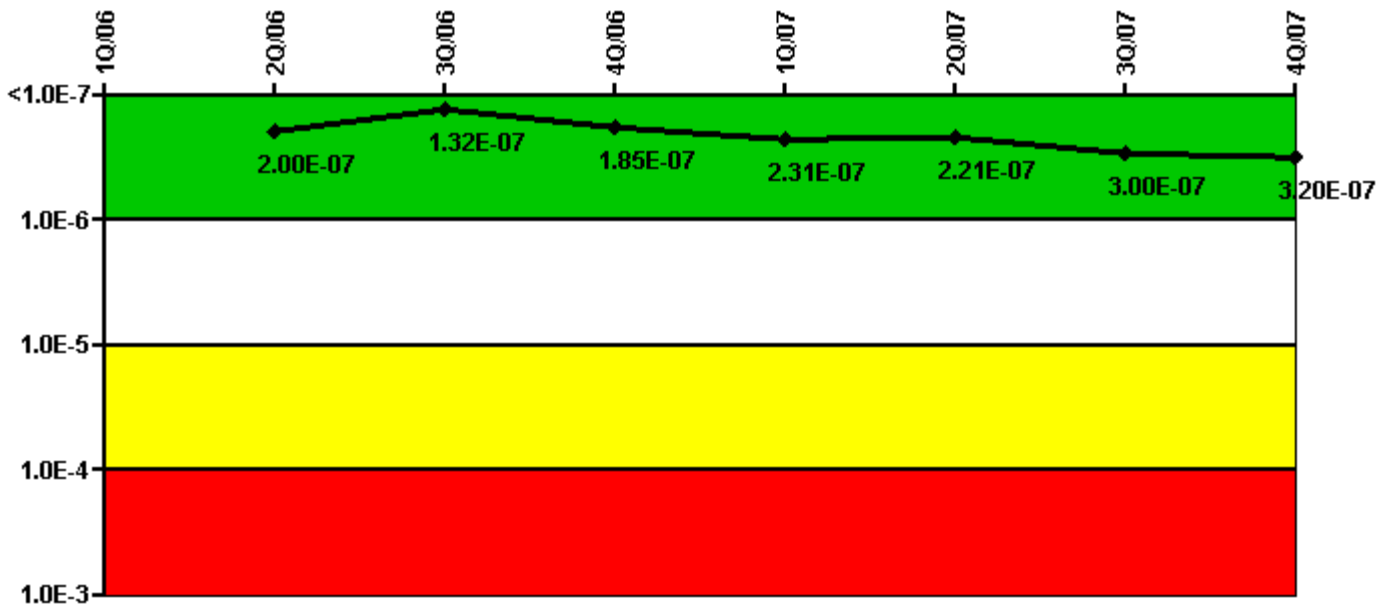
4Q/06: Changed PRA Parameter(s).

3Q/06: Changed PRA Parameter(s).

2Q/06: Changed PRA Parameter(s).



# 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)		4.00E-08	4.10E-08	9.40E-08	1.40E-07	1.30E-07	1.50E-07	1.70E-07
URI (ΔCDF)		1.60E-07	9.10E-08	9.10E-08	9.10E-08	9.10E-08	1.50E-07	1.50E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		2.00E-07	1.32E-07	1.85E-07	2.31E-07	2.21E-07	3.00E-07	3.20E-07

Licensee Comments:

4Q/07: Changed PRA Parameter(s). UABLU value for Pump Train C was corrected from 7.70e-03 to 7.70e-04 effective back to 2Q2006. This correction was due to a data entry error. The correction had no significant impact and the indicator remained GREEN over the affected period.

3Q/07: Changed PRA Parameter(s).

2Q/07: Changed PRA Parameter(s).

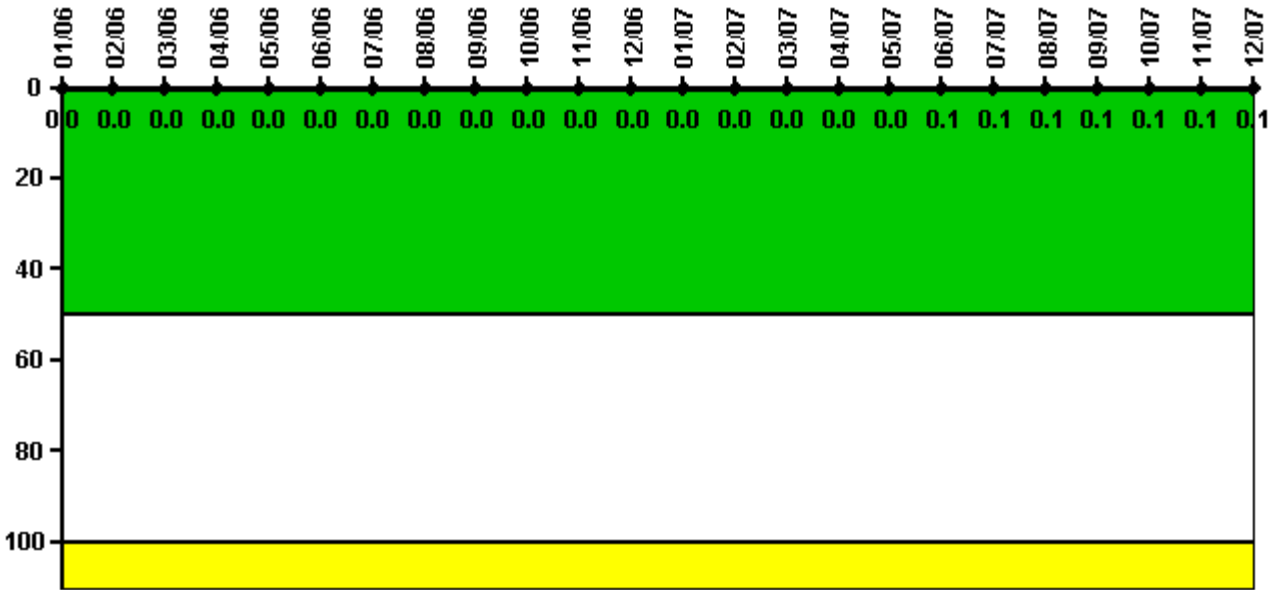
1Q/07: Changed PRA Parameter(s).

4Q/06: Changed PRA Parameter(s).

3Q/06: Changed PRA Parameter(s).

2Q/06: Changed PRA Parameter(s).

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

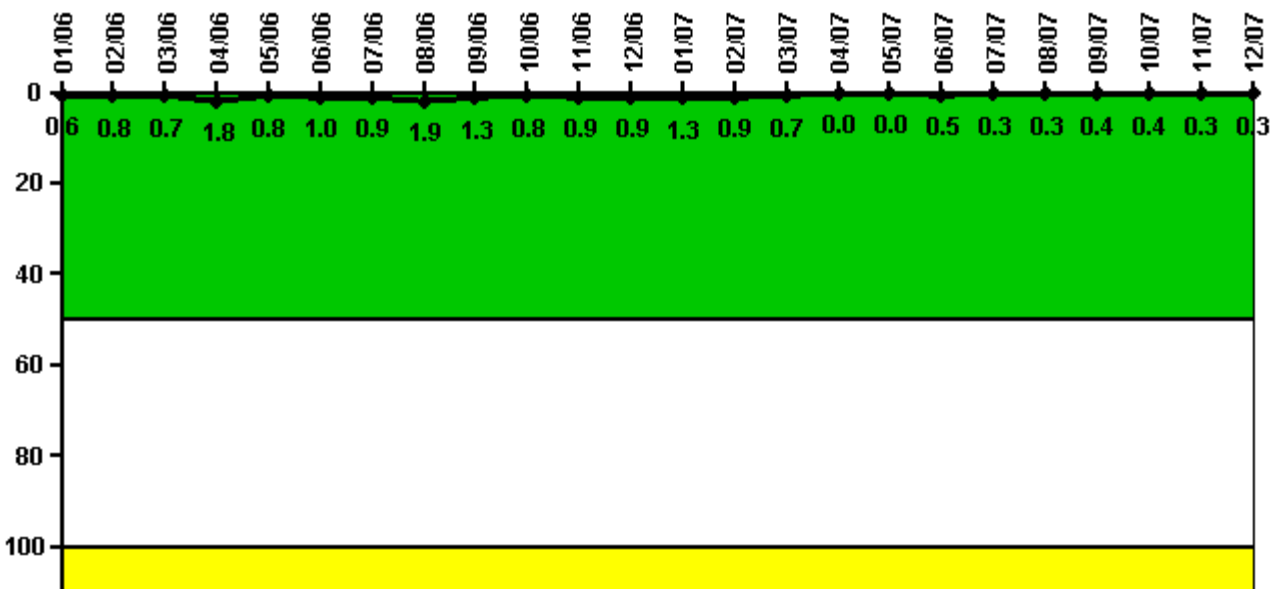
Reactor Coolant System Activity	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity	0.000084	0.000084	0.000087	0.000092	0.000089	0.000096	0.000090	0.000096	0.000094	0.000099	0.000118	0.000108
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator 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	0.000118	0.000109	0.000114	0.000106	0.000080	0.000193	0.000206	0.000134	0.000234	0.000165	0.000216	0.000179
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

# Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

## Notes

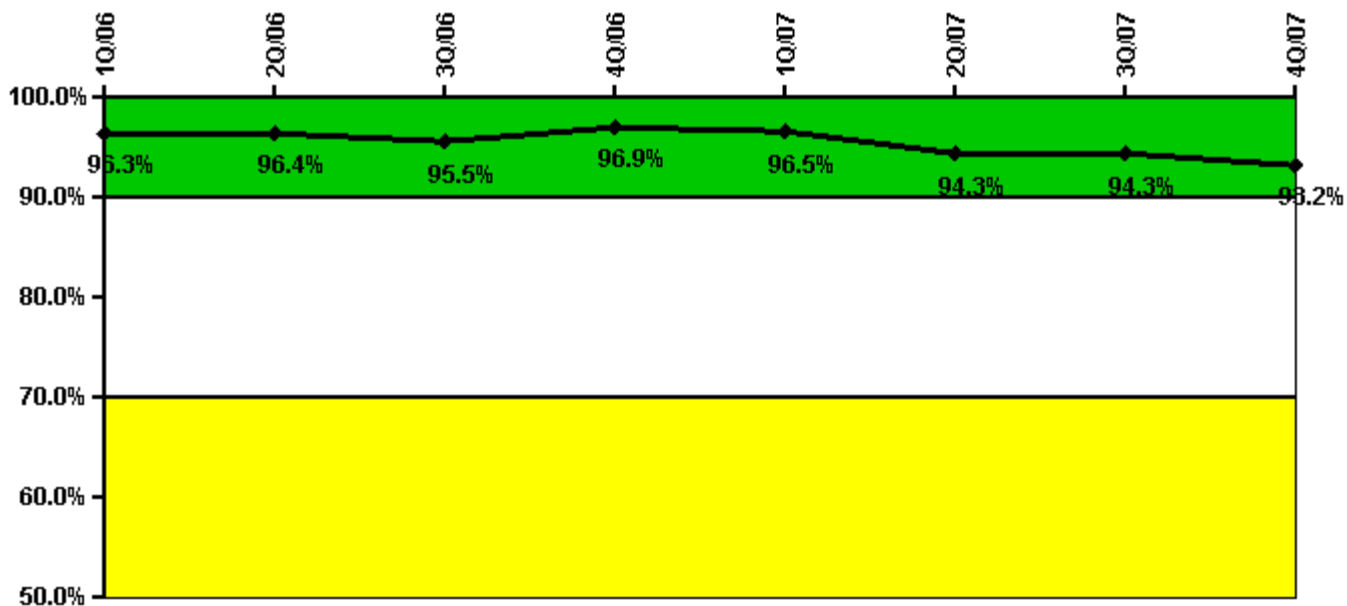
Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.060	0.080	0.070	0.180	0.080	0.100	0.090	0.190	0.130	0.080	0.090	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.8	0.7	1.8	0.8	1.0	0.9	1.9	1.3	0.8	0.9	0.9

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	0.130	0.090	0.070	0	0	0.050	0.030	0.030	0.040	0.040	0.030	0.030
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	1.3	0.9	0.7	0	0	0.5	0.3	0.3	0.4	0.4	0.3	0.3

Licensee Comments: none

## Drill/Exercise Performance



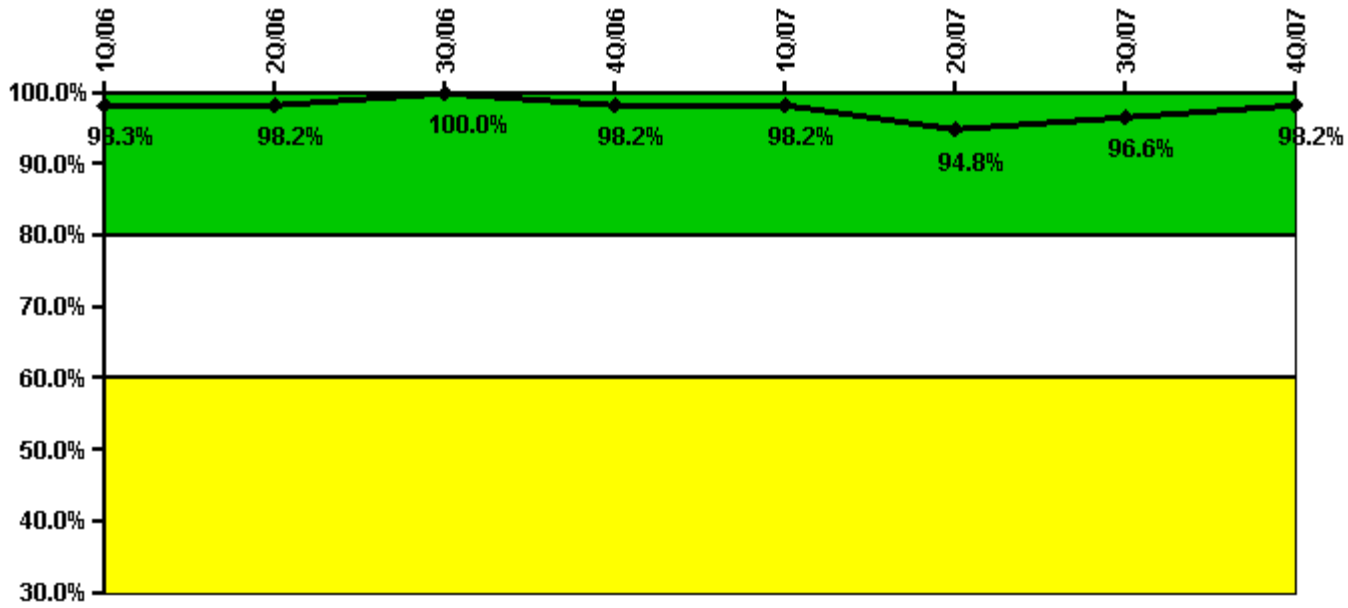
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	30.0	8.0	32.0	7.0	40.0	11.0	17.0	20.0
Total opportunities	31.0	8.0	34.0	8.0	42.0	14.0	18.0	22.0
<b>Indicator value</b>	<b>96.3%</b>	<b>96.4%</b>	<b>95.5%</b>	<b>96.9%</b>	<b>96.5%</b>	<b>94.3%</b>	<b>94.3%</b>	<b>93.2%</b>

Licensee Comments: none

# ERO Drill Participation



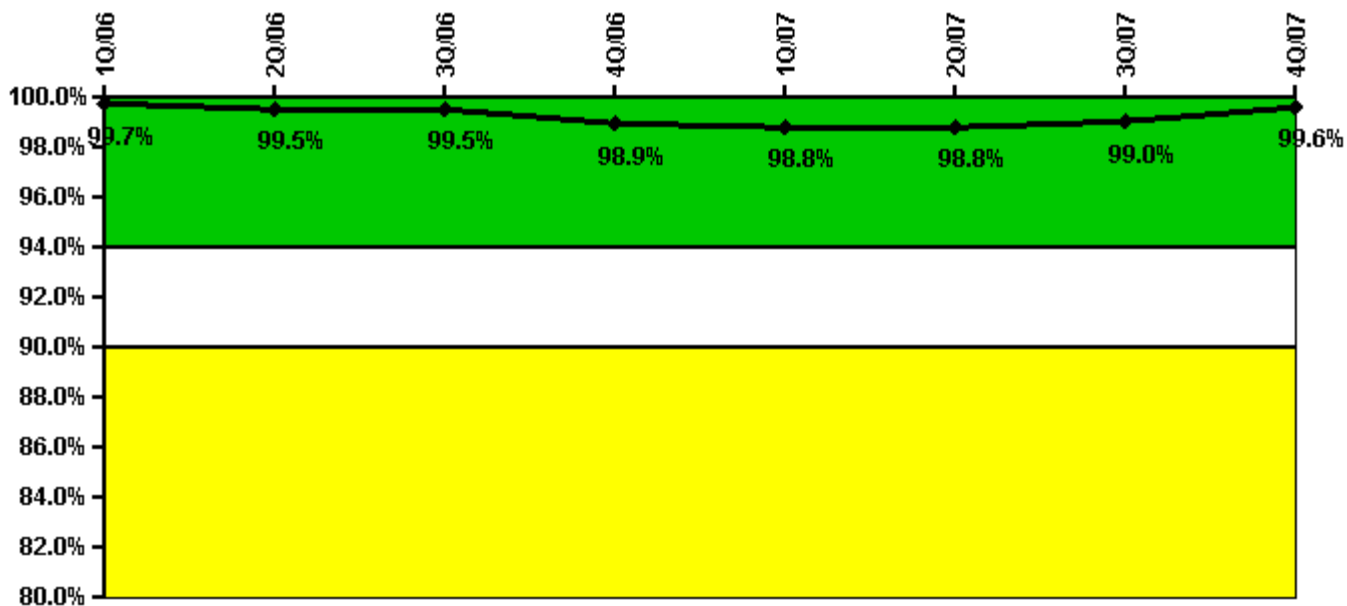
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	57.0	54.0	58.0	54.0	54.0	55.0	56.0	54.0
Total Key personnel	58.0	55.0	58.0	55.0	55.0	58.0	58.0	55.0
<b>Indicator value</b>	<b>98.3%</b>	<b>98.2%</b>	<b>100.0%</b>	<b>98.2%</b>	<b>98.2%</b>	<b>94.8%</b>	<b>96.6%</b>	<b>98.2%</b>

Licensee Comments: none

# Alert & Notification System



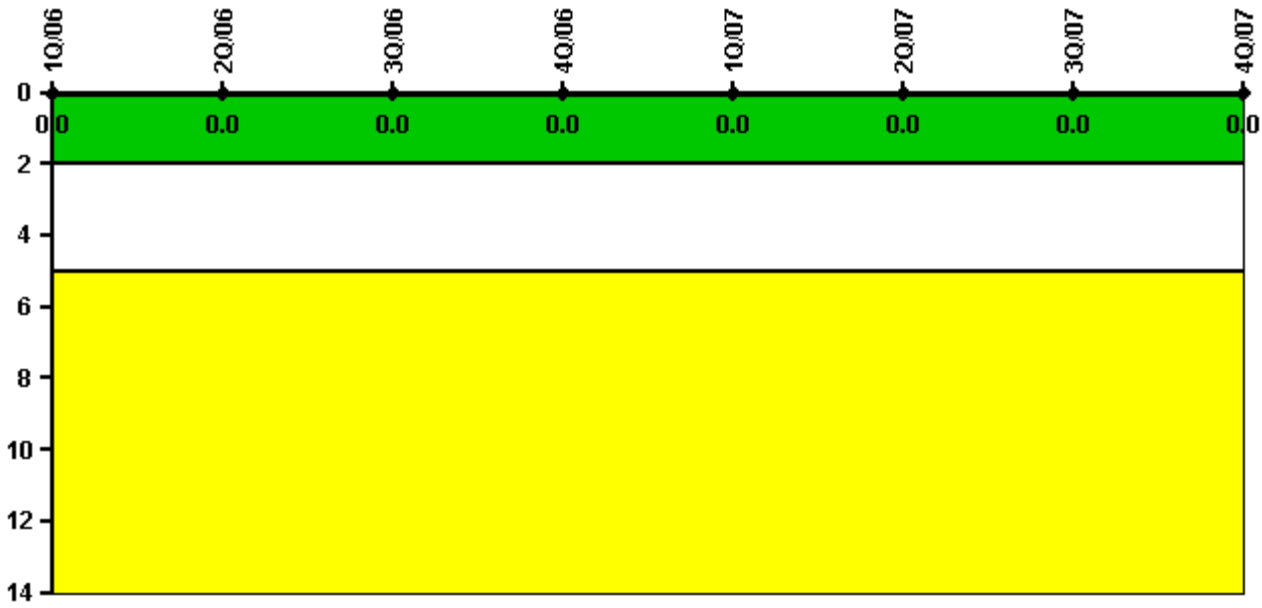
**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	628	625	623	704	626	626	627	765
Total sirens-tests	630	630	630	720	630	630	630	765
<b>Indicator value</b>	<b>99.7%</b>	<b>99.5%</b>	<b>99.5%</b>	<b>98.9%</b>	<b>98.8%</b>	<b>98.8%</b>	<b>99.0%</b>	<b>99.6%</b>

Licensee Comments: none

# Occupational Exposure Control Effectiveness



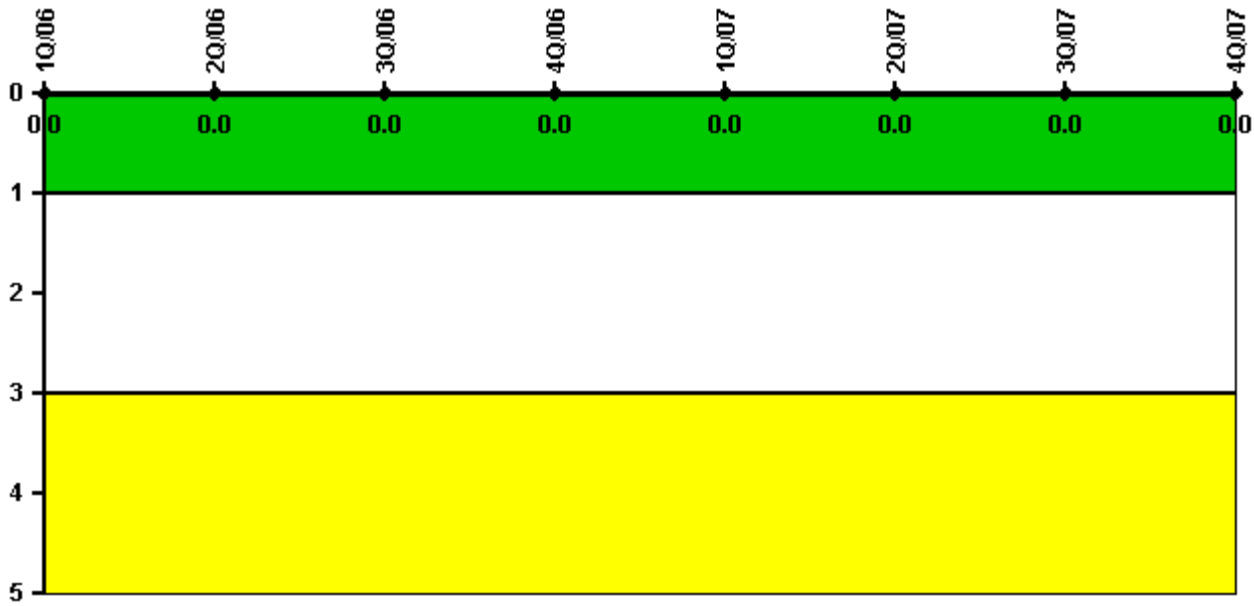
Thresholds: White > 2.0 Yellow > 5.0

## 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