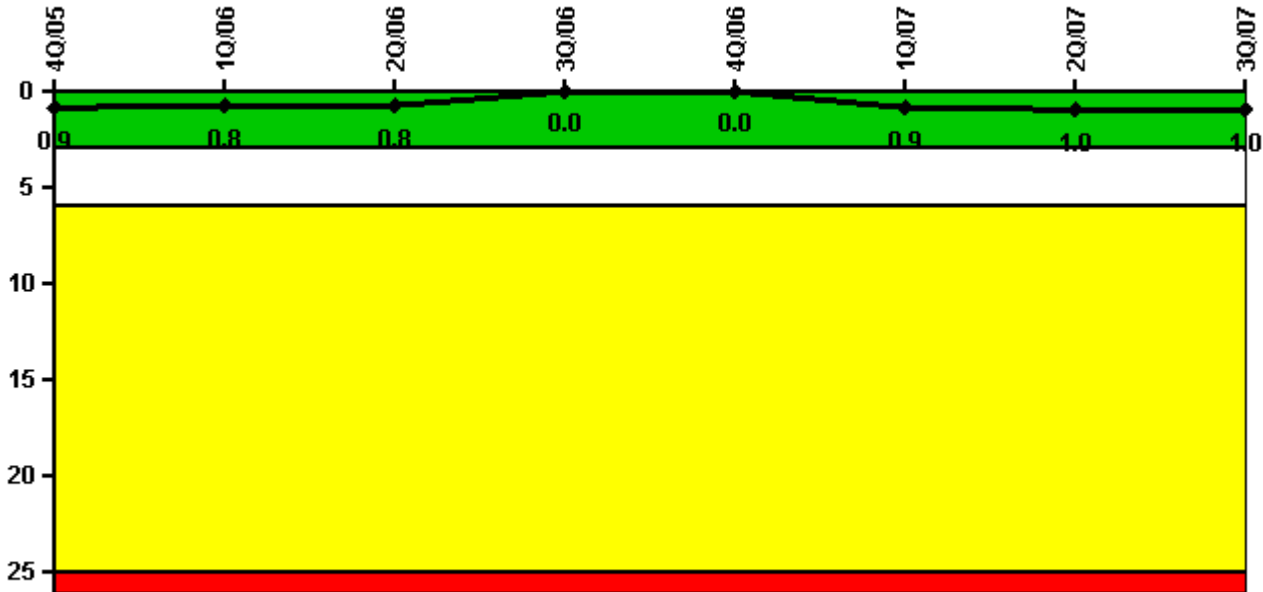


# Browns Ferry 2

## 3Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



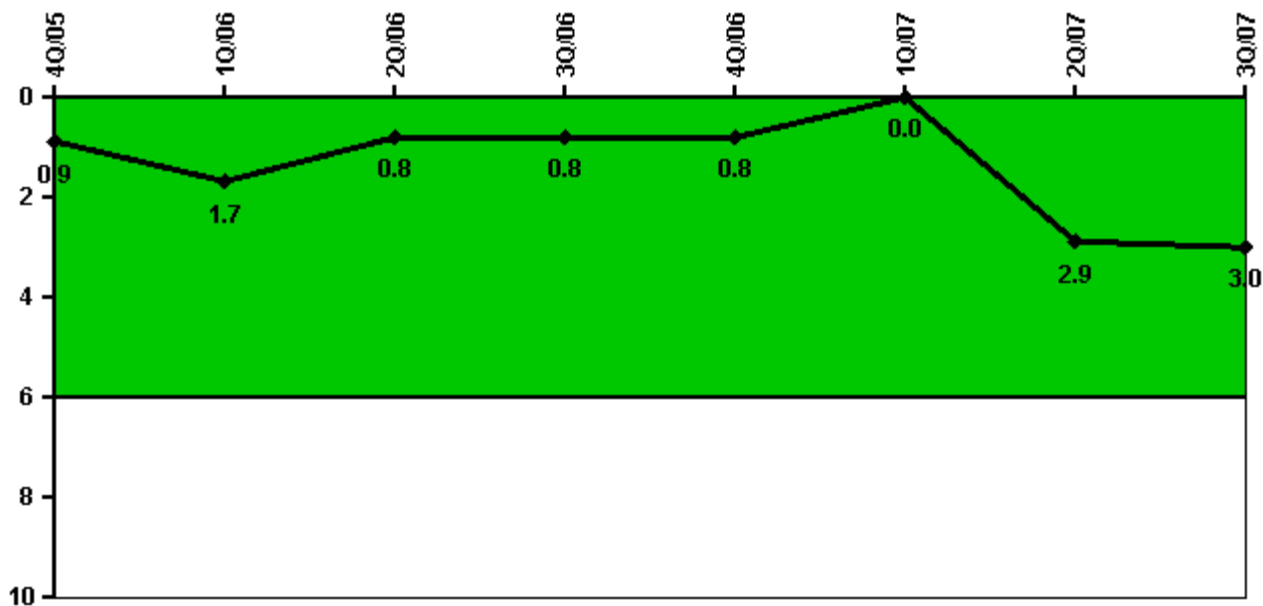
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2160.0	2072.9	2208.0	1950.1	1180.7	1832.1	2124.2
Indicator value	0.9	0.8	0.8	0	0	0.9	1.0	1.0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



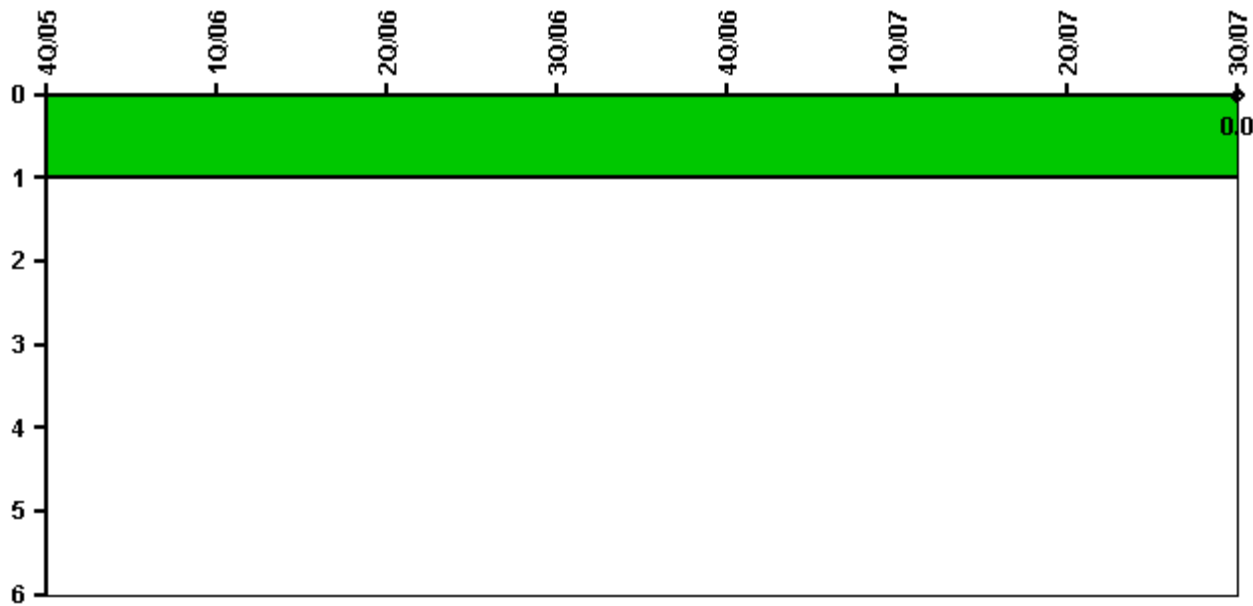
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	1.0	0	0	0	0	3.0	0
Critical hours	2209.0	2160.0	2072.9	2208.0	1950.1	1180.7	1832.1	2124.2
<b>Indicator value</b>	<b>0.9</b>	<b>1.7</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0</b>	<b>2.9</b>	<b>3.0</b>

Licensee Comments: none

# Unplanned Scrams with Complications



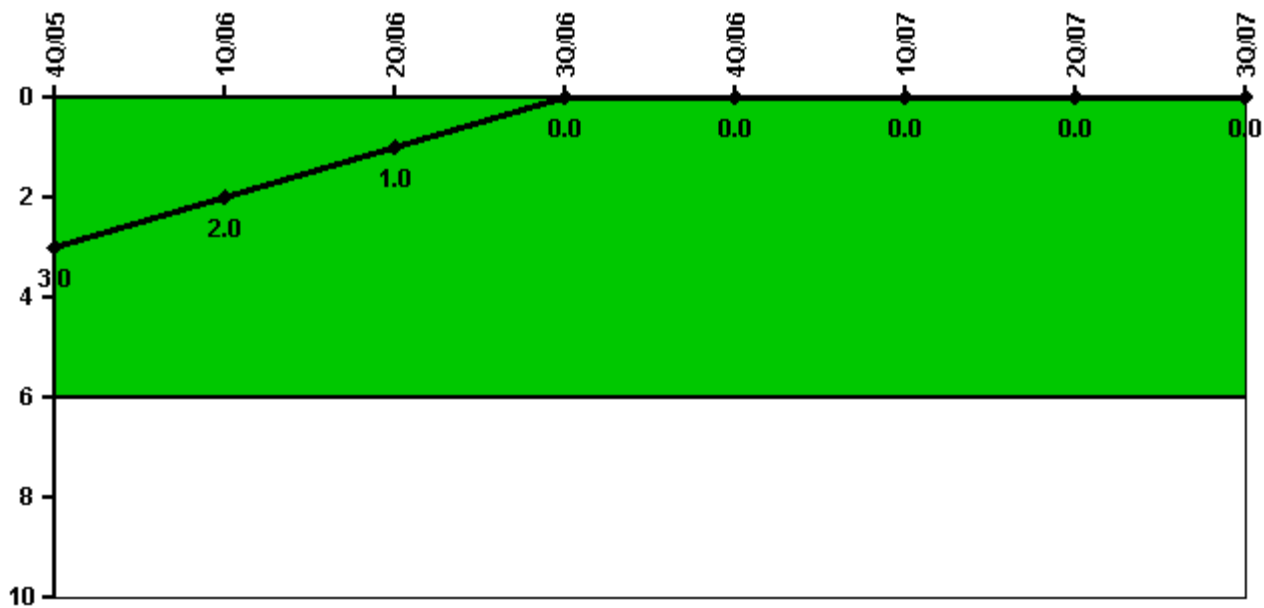
Thresholds: White > 1.0

## Notes

Unplanned Scrams with Complications	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Scrams with complications					0	0	0	0
Indicator value								0.0

Licensee Comments: none

## Safety System Functional Failures (BWR)



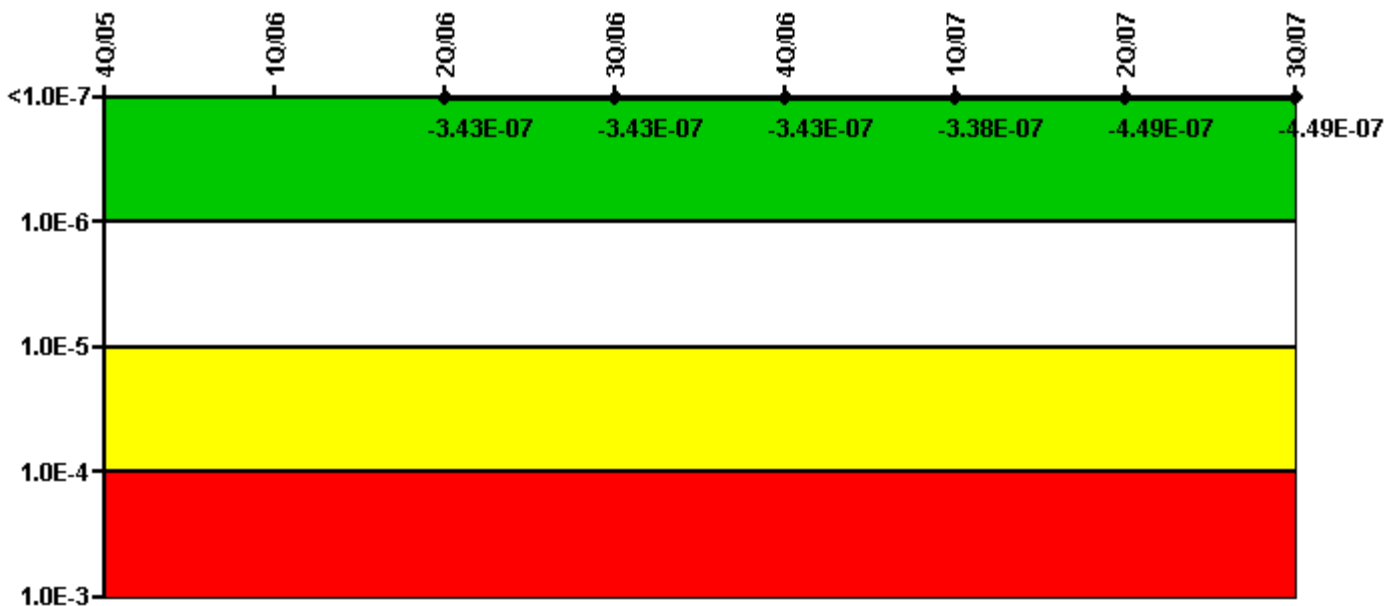
Thresholds: White > 6.0

### Notes

Safety System Functional Failures (BWR)	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	3	2	1	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	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-3.30E-08	-3.30E-08	-3.30E-08	-2.80E-08	2.10E-08	2.10E-08
URI (ΔCDF)			-3.10E-07	-3.10E-07	-3.10E-07	-3.10E-07	-4.70E-07	-4.70E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-3.43E-07	-3.43E-07	-3.43E-07	-3.38E-07	-4.49E-07	-4.49E-07

Licensee Comments:

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

2Q/07: Changed PRA Parameter(s). A review of U2 and U3 MSPI baseline data entered in the CDE database identified several discrepancies with U2 and U3 MSPI Basis Documents. Unlocked to correct. Reference BFN PER 127680

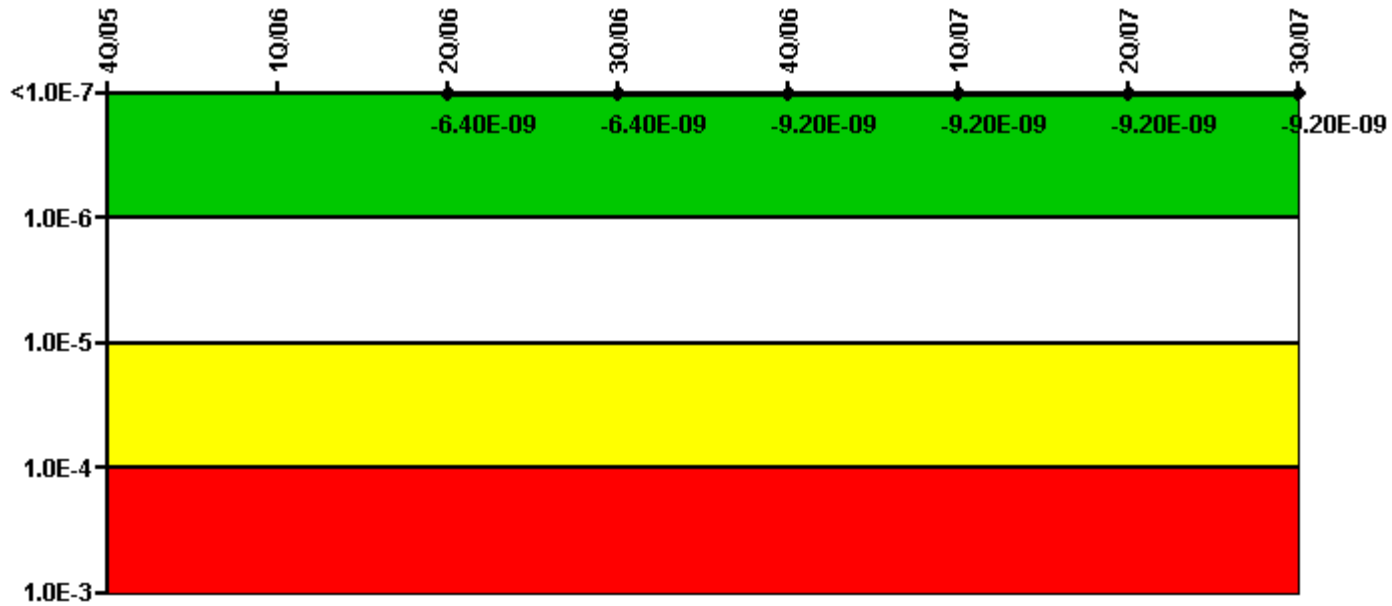
1Q/07: Changed PRA Parameter(s).

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

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

2Q/06: Changed PRA Parameter(s). A review of U2 and U3 MSPI baseline data entered in the CDE database identified several discrepancies with U2 and U3 MSPI Basis Documents. Unlocked to correct. Reference BFN PER 127680

# 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	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI ( $\Delta$ CDF)			-9.20E-09	-9.20E-09	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08
URI ( $\Delta$ CDF)			2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-6.40E-09	-6.40E-09	-9.20E-09	-9.20E-09	-9.20E-09	-9.20E-09

Licensee Comments:

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

2Q/07: Changed PRA Parameter(s). A review of U2 and U3 MSPI baseline data entered in the CDE database identified several discrepancies with U2 and U3 MSPI Basis Documents. Unlocked to correct. Reference BFN PER 127680

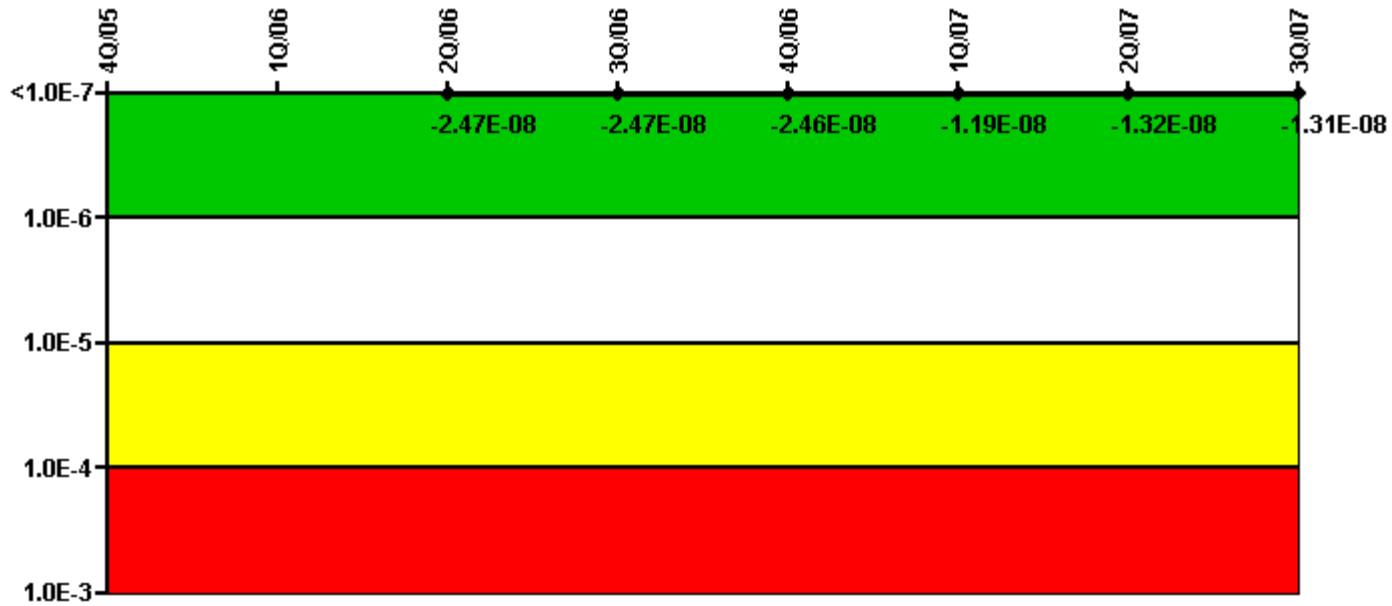
1Q/07: Changed PRA Parameter(s).

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

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

2Q/06: Changed PRA Parameter(s). A review of U2 and U3 MSPI baseline data entered in the CDE database identified several discrepancies with U2 and U3 MSPI Basis Documents. Unlocked to correct. Reference BFN PER 127680

# 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	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI ( $\Delta$ CDF)			$-2.00E-08$	$-2.00E-08$	$-2.00E-08$	$-7.00E-09$	$-8.30E-09$	$-8.20E-09$
URI ( $\Delta$ CDF)			$-4.70E-09$	$-4.70E-09$	$-4.60E-09$	$-4.90E-09$	$-4.90E-09$	$-4.90E-09$
PLE			NO	NO	NO	NO	NO	NO
Indicator value			$-2.47E-08$	$-2.47E-08$	$-2.46E-08$	$-1.19E-08$	$-1.32E-08$	$-1.31E-08$

Licensee Comments:

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

2Q/07: Changed PRA Parameter(s). A review of U2 and U3 MSPI baseline data entered in the CDE database identified several discrepancies with U2 and U3 MSPI Basis Documents. Unlocked to correct. Reference BFN PER 127680

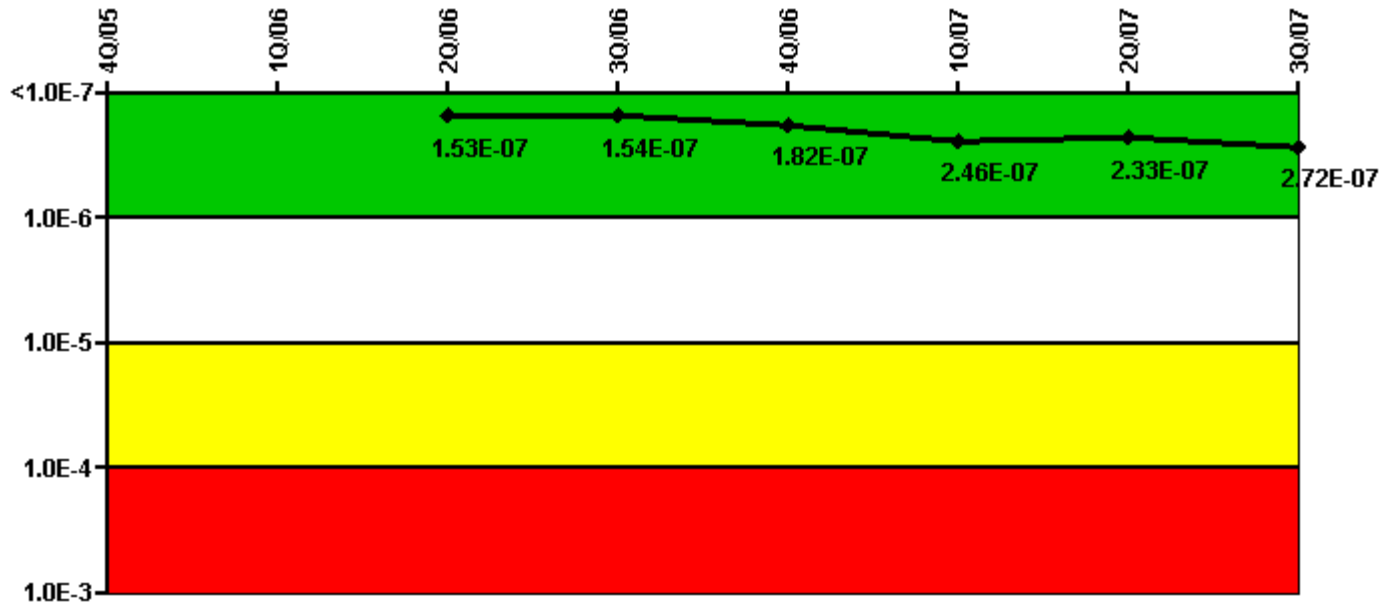
1Q/07: Changed PRA Parameter(s).

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

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

2Q/06: Changed PRA Parameter(s). A review of U2 and U3 MSPI baseline data entered in the CDE database identified several discrepancies with U2 and U3 MSPI Basis Documents. Unlocked to correct. Reference BFN PER 127680

# 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	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI ( $\Delta$ CDF)			2.50E-07	2.50E-07	2.80E-07	3.30E-07	3.20E-07	3.60E-07
URI ( $\Delta$ CDF)			-9.70E-08	-9.60E-08	-9.80E-08	-8.40E-08	-8.70E-08	-8.80E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			1.53E-07	1.54E-07	1.82E-07	2.46E-07	2.33E-07	2.72E-07

Licensee Comments:

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

2Q/07: Changed PRA Parameter(s). A review of U2 and U3 MSPI baseline data entered in the CDE database identified several discrepancies with U2 and U3 MSPI Basis Documents. Unlocked to correct. Reference BFN PER 127680

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

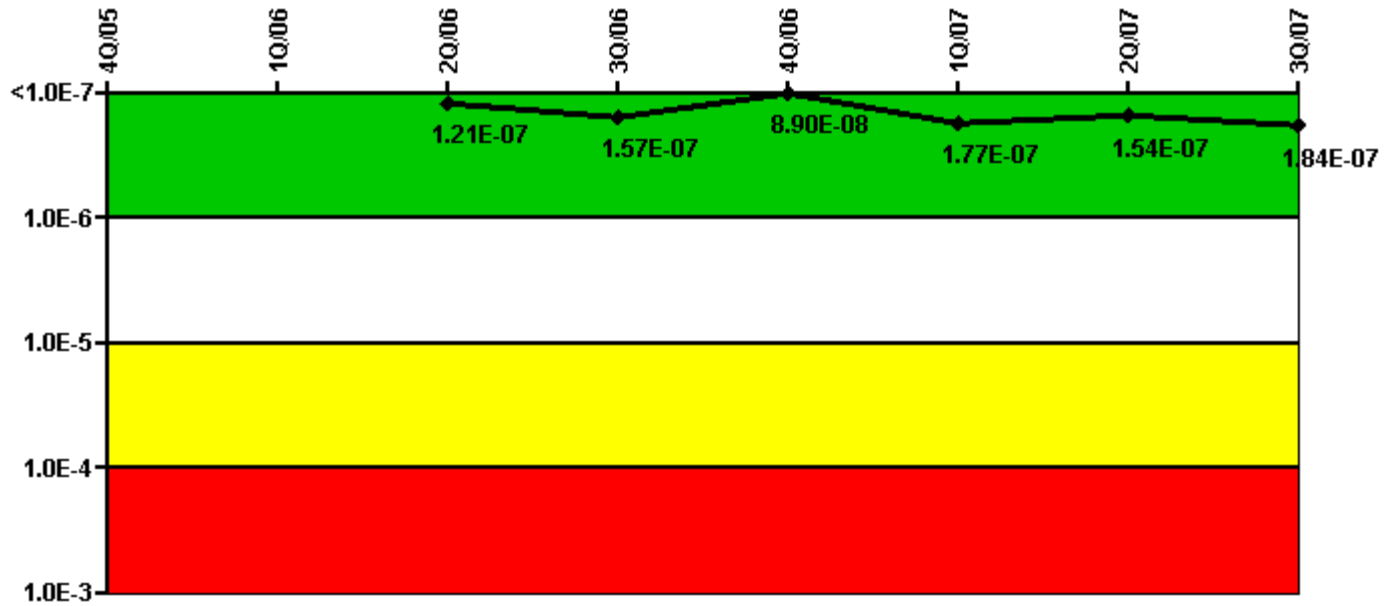
4Q/06: Changed PRA Parameter(s).

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

2Q/06: Changed PRA Parameter(s). A review of U2 and U3 MSPI baseline data entered in the CDE database identified several discrepancies with U2 and U3 MSPI Basis Documents. Unlocked to correct. Reference BFN PER 127680



# 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	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			1.20E-07	1.30E-07	6.80E-08	1.30E-07	1.30E-07	1.60E-07
URI (ΔCDF)			8.20E-10	2.70E-08	2.10E-08	4.70E-08	2.40E-08	2.40E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			1.21E-07	1.57E-07	8.90E-08	1.77E-07	1.54E-07	1.84E-07

Licensee Comments:

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

2Q/07: Changed PRA Parameter(s). A review of U2 and U3 MSPI baseline data entered in the CDE database identified several discrepancies with U2 and U3 MSPI Basis Documents. Unlocked to correct. Reference BFN PER 127680

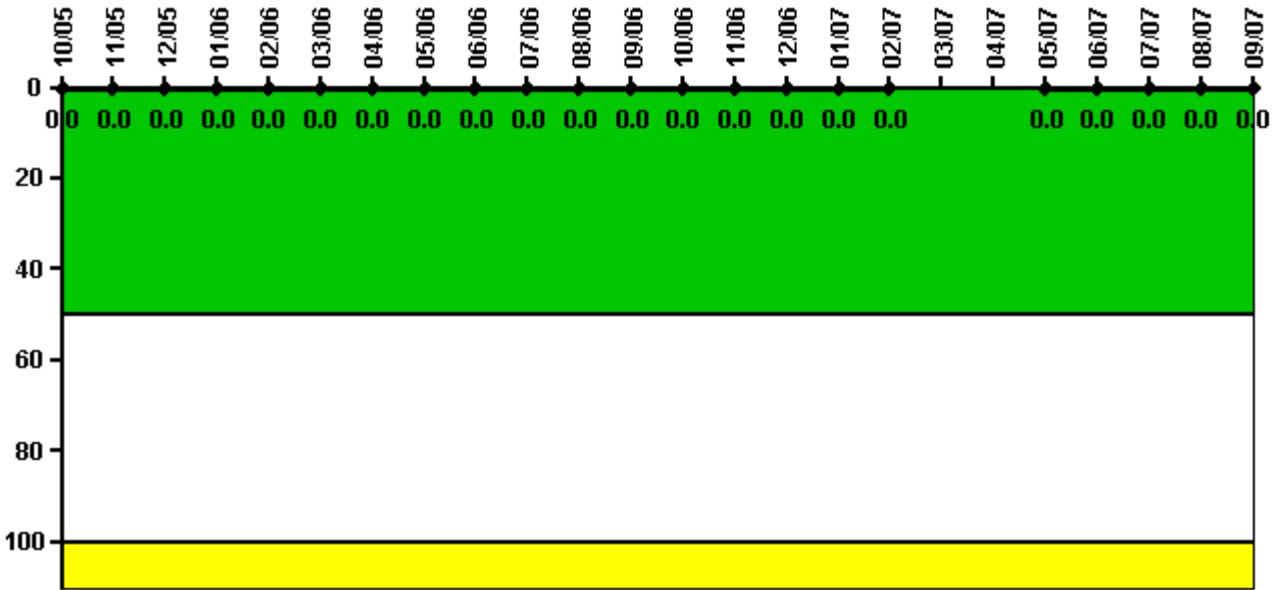
1Q/07: Changed PRA Parameter(s).

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

3Q/06: Changed PRA Parameter(s). Corrected the baseline UA value for Unit 2 CW1 from 1.51E-01 to 1.51E-02. No basis document change - the original value was entered in error. No PI color change.

2Q/06: Changed PRA Parameter(s). A review of U2 and U3 MSPI baseline data entered in the CDE database identified several discrepancies with U2 and U3 MSPI Basis Documents. Unlocked to correct. Reference BFN PER 127680

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

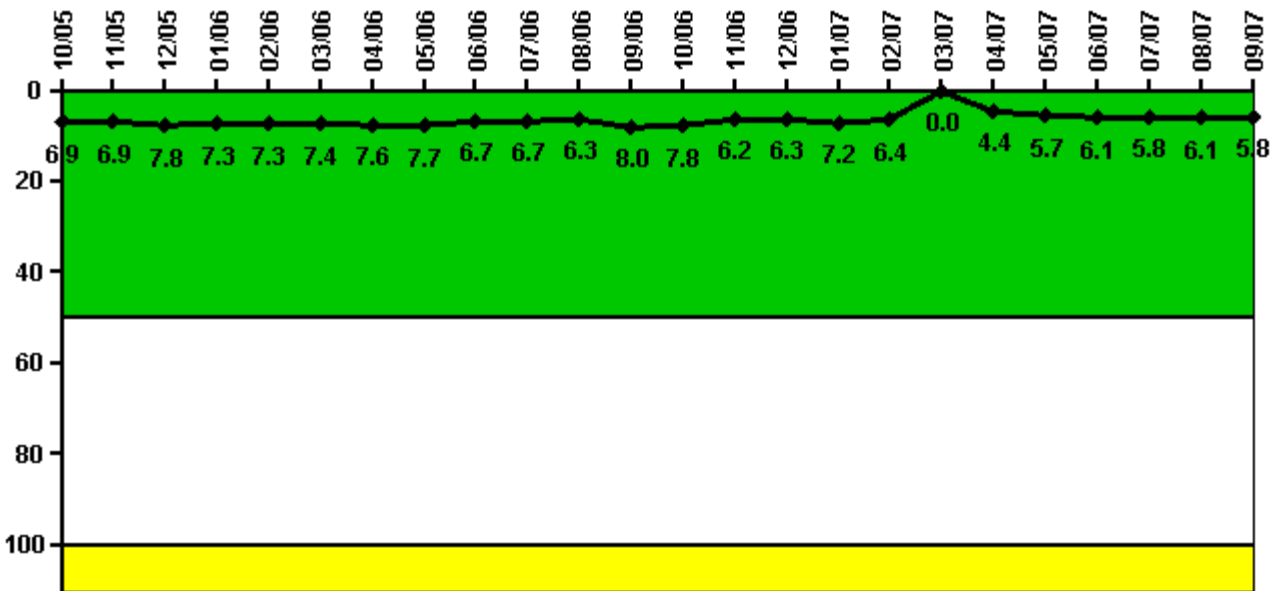
Reactor Coolant System Activity	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum activity	0.000040	0.000048	0.000040	0.000035	0.000032	0.000038	0.000038	0.000038	0.000044	0.000036	0.000036	0.000034
Technical specification limit	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity	0.000036	0.000054	0.000045	0.000087	0.000045	N/A	N/A	0.000047	0.000035	0.000034	0.000040	0.000033
Technical specification limit	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Indicator value	0	0	0	0	0	N/A	N/A	0	0	0	0	0

Licensee Comments: none

# Reactor Coolant System Leakage



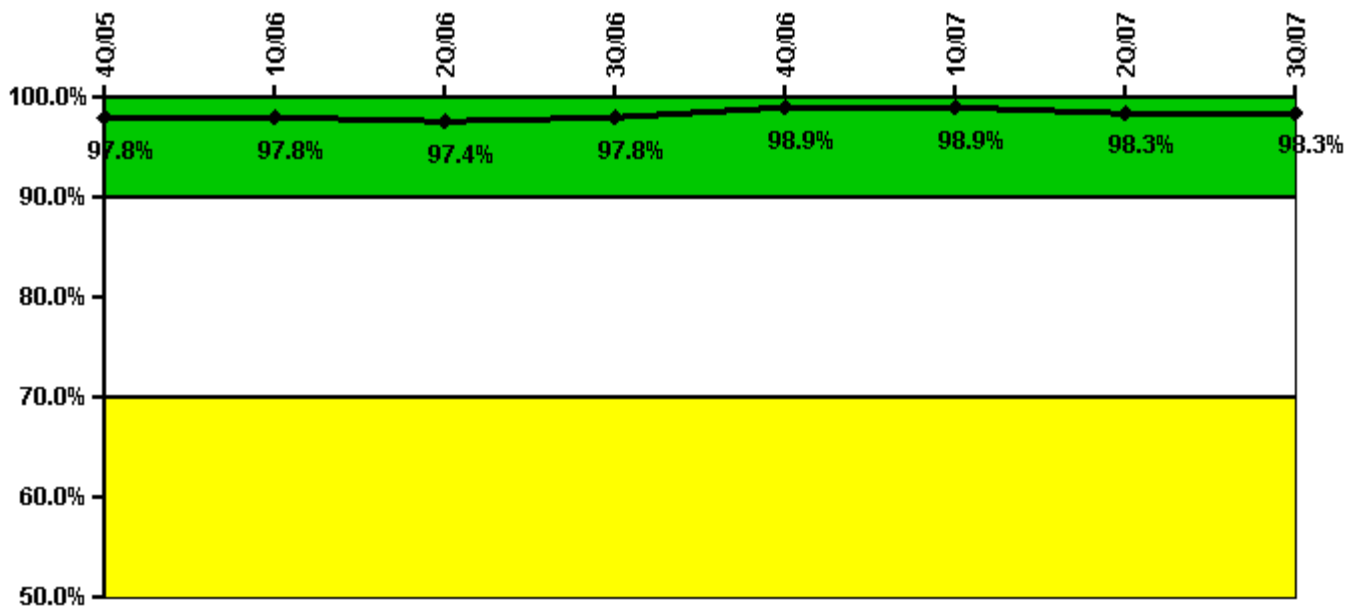
Thresholds: White > 50.0 Yellow > 100.0

## Notes

<b>Reactor Coolant System Leakage</b>	<b>10/05</b>	<b>11/05</b>	<b>12/05</b>	<b>1/06</b>	<b>2/06</b>	<b>3/06</b>	<b>4/06</b>	<b>5/06</b>	<b>6/06</b>	<b>7/06</b>	<b>8/06</b>	<b>9/06</b>
Maximum leakage	2.060	2.060	2.340	2.200	2.190	2.220	2.290	2.300	2.000	2.020	1.880	2.410
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.9	6.9	7.8	7.3	7.3	7.4	7.6	7.7	6.7	6.7	6.3	8.0
<b>Reactor Coolant System Leakage</b>	<b>10/06</b>	<b>11/06</b>	<b>12/06</b>	<b>1/07</b>	<b>2/07</b>	<b>3/07</b>	<b>4/07</b>	<b>5/07</b>	<b>6/07</b>	<b>7/07</b>	<b>8/07</b>	<b>9/07</b>
Maximum leakage	2.350	1.860	1.880	2.160	1.930	0	1.330	1.710	1.830	1.740	1.820	1.740
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	7.8	6.2	6.3	7.2	6.4	0	4.4	5.7	6.1	5.8	6.1	5.8

Licensee Comments: none

## Drill/Exercise Performance



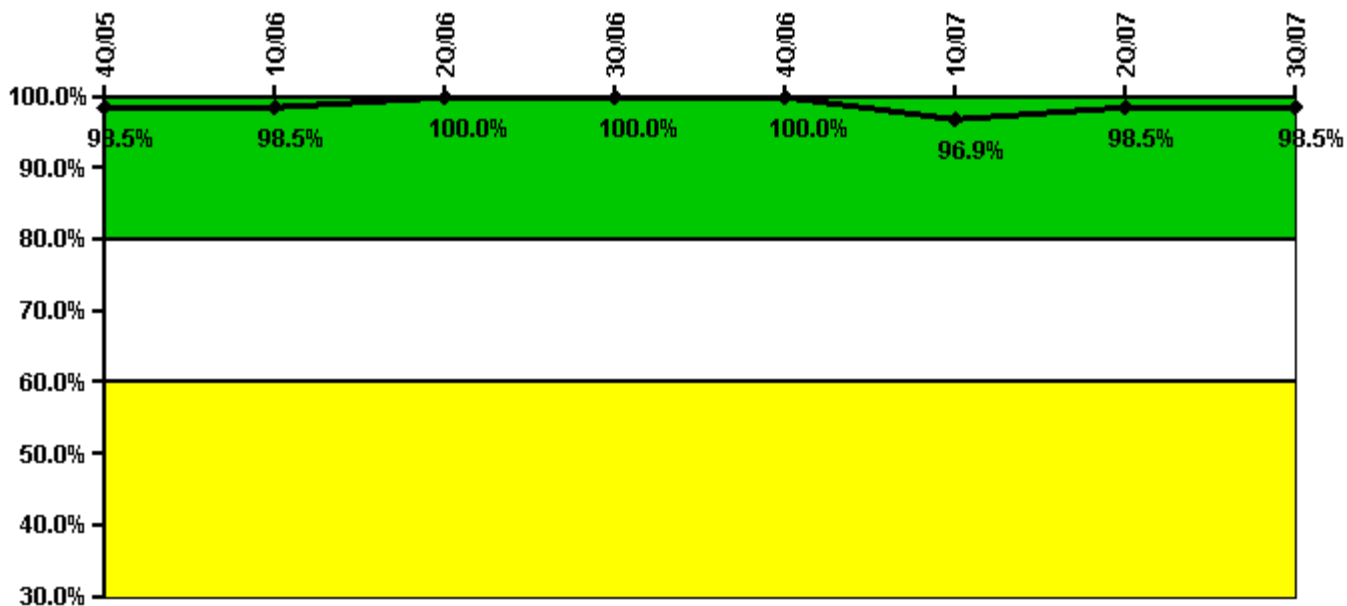
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	76.0	0	15.0	44.0	24.0	0	7.0	8.0
Total opportunities	77.0	0	16.0	44.0	24.0	0	8.0	8.0
Indicator value	97.8%	97.8%	97.4%	97.8%	98.9%	98.9%	98.3%	98.3%

Licensee Comments: none

# ERO Drill Participation



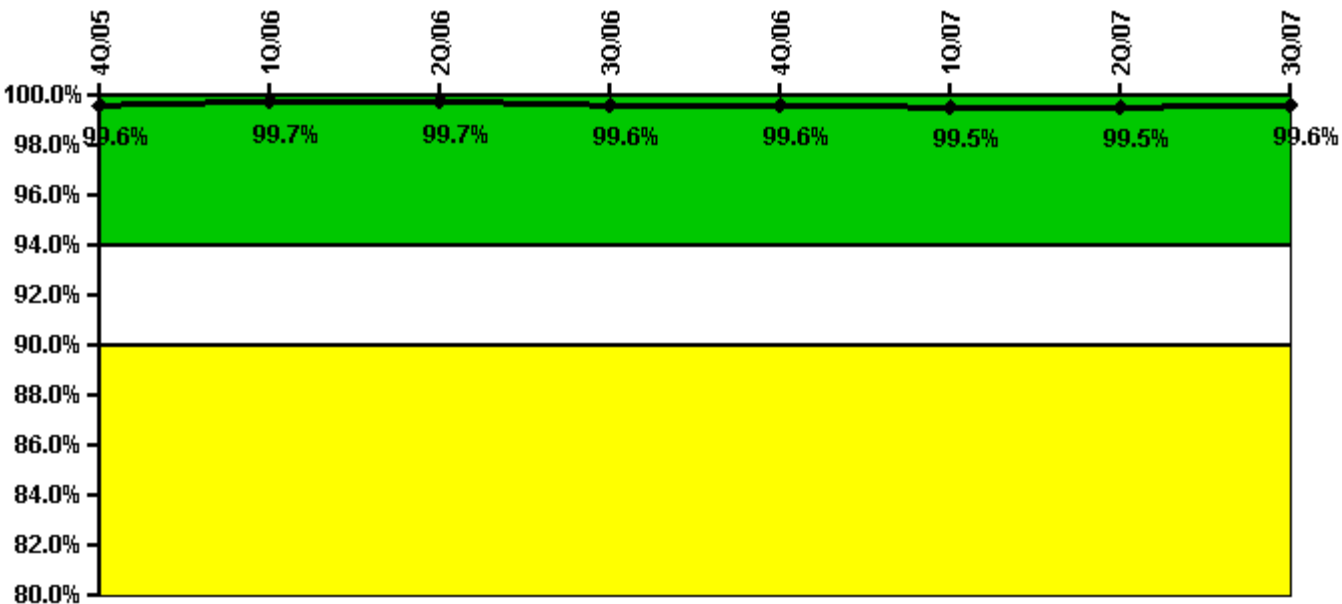
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	66.0	66.0	73.0	69.0	68.0	63.0	66.0	66.0
Total Key personnel	67.0	67.0	73.0	69.0	68.0	65.0	67.0	67.0
Indicator value	98.5%	98.5%	100.0%	100.0%	100.0%	96.9%	98.5%	98.5%

Licensee Comments: none

# Alert & Notification System



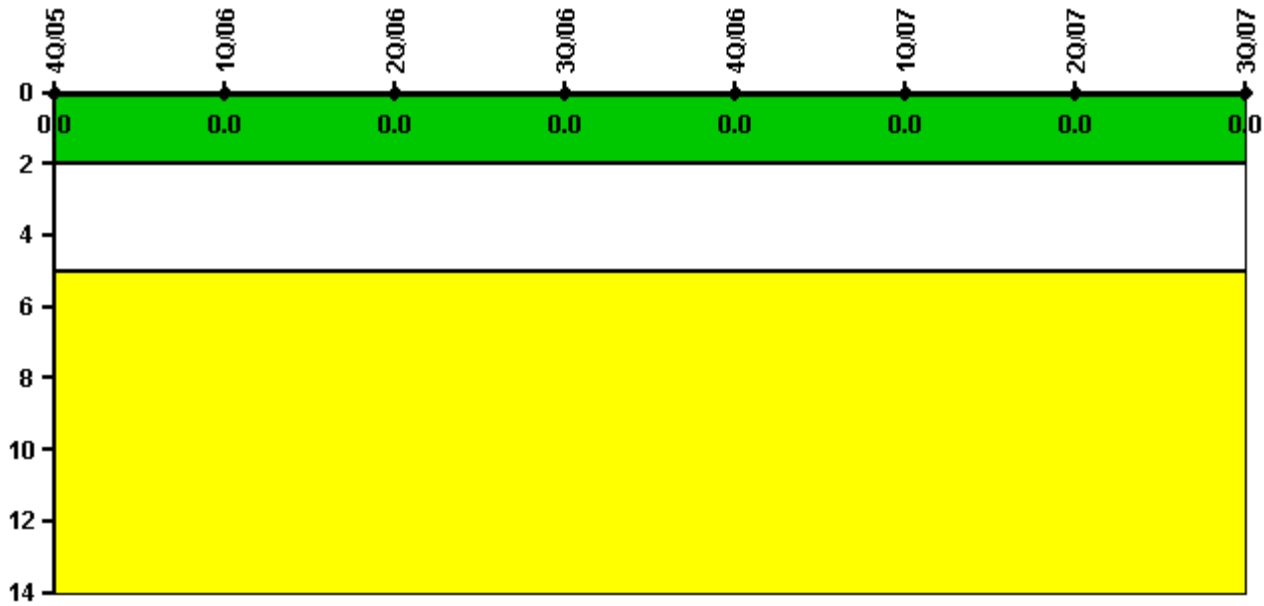
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	898	799	896	793	798	797	795	798
Total sirens-tests	900	800	900	800	800	800	800	800
Indicator value	99.6%	99.7%	99.7%	99.6%	99.6%	99.5%	99.5%	99.6%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



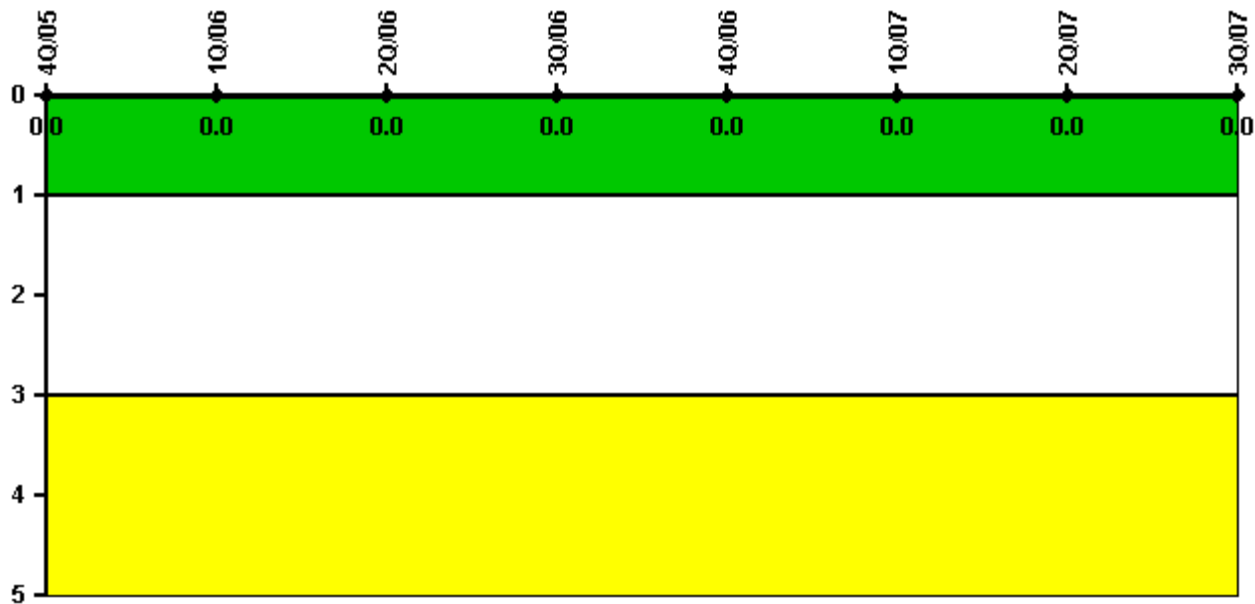
Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/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	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/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.