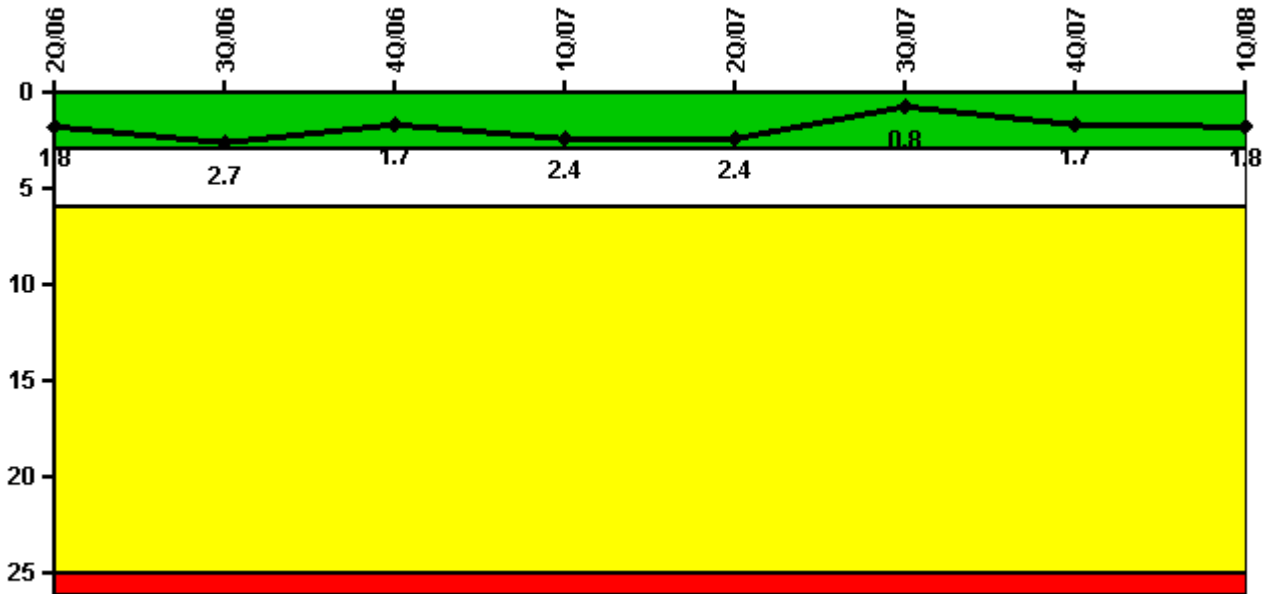# Browns Ferry 3

1Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs
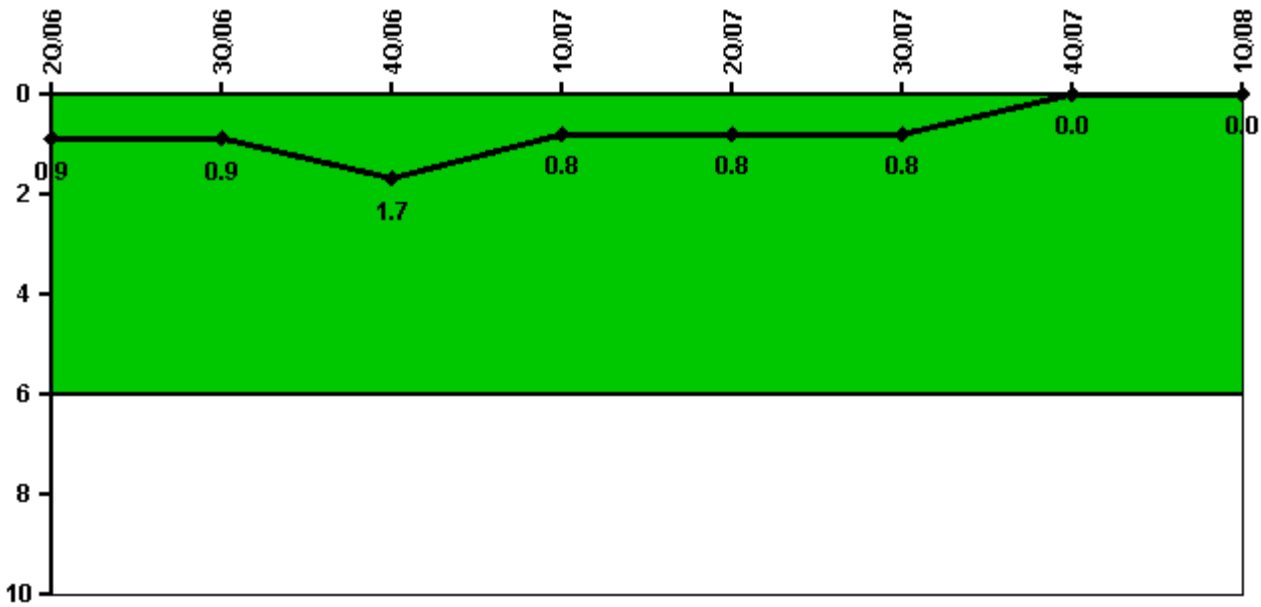

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	2.0	0	1.0	0	0	1.0	1.0
Critical hours	2183.0	2138.2	2190.7	2076.5	2184.0	2089.3	2062.5	1458.9
Indicator value	1.8	2.7	1.7	2.4	2.4	0.8	1.7	1.8

Licensee Comments: none

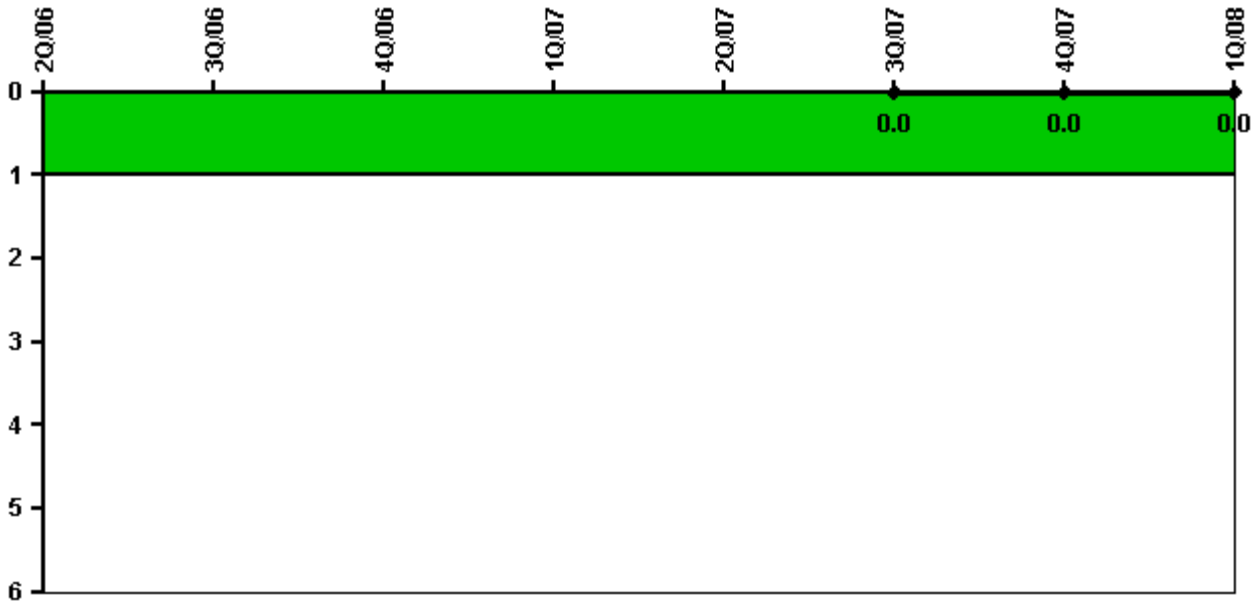## Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2183.0	2138.2	2190.7	2076.5	2184.0	2089.3	2062.5	1458.9
Indicator value	0.9	0.9	1.7	0.8	0.8	0.8	0	0

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Scrams with complications			0	0	0	0	0	0
Indicator value						0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)
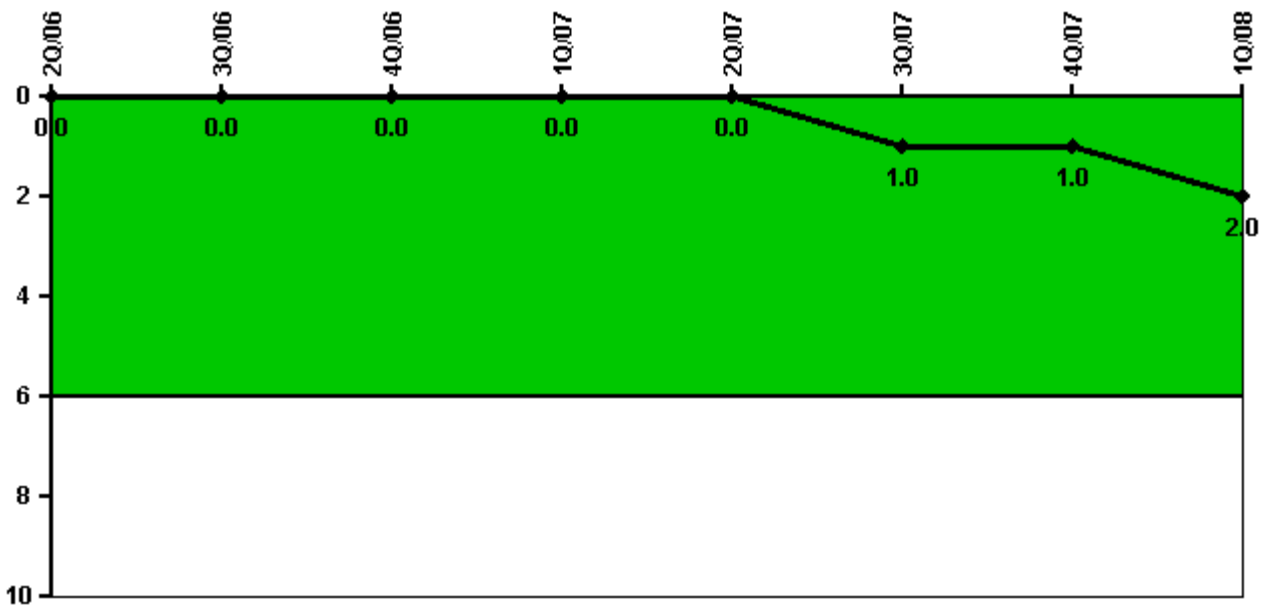
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Safety System Functional Failures	0	0	0	0	0	1	0	1
Indicator value	0	0	0	0	0	1	1	2

Licensee Comments: none
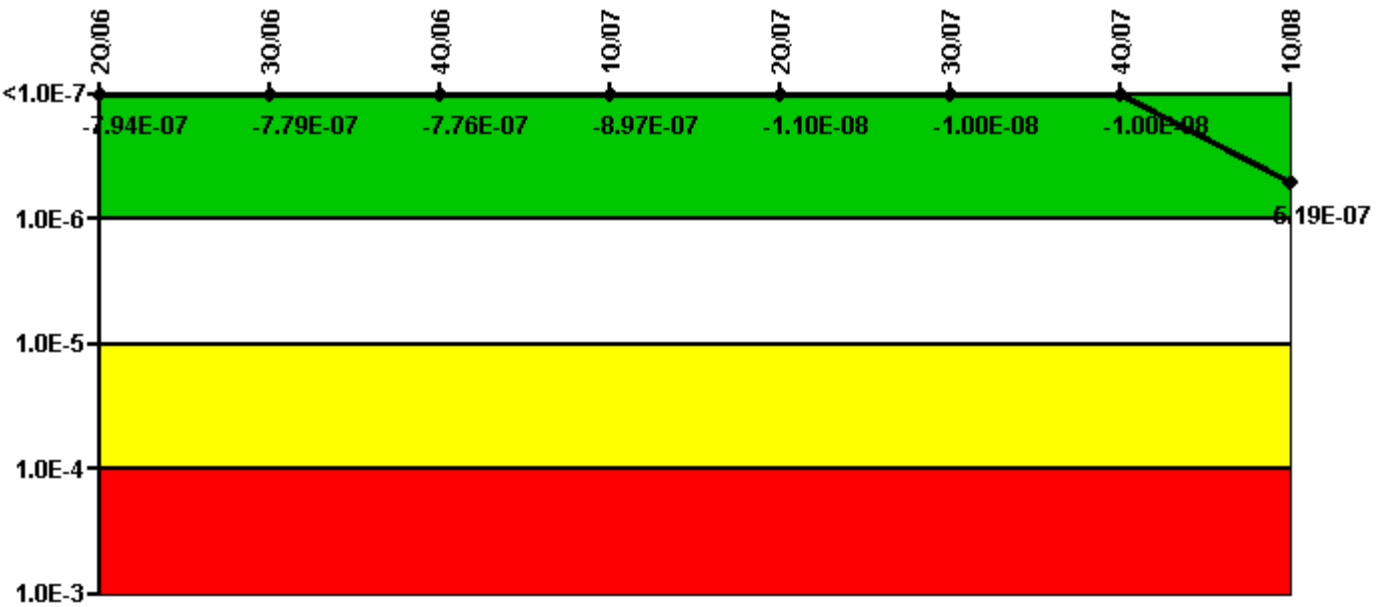
Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	4.60E-08	6.10E-08	6.40E-08	-5.70E-08	5.40E-08	5.50E-08	5.50E-08	9.90E-08
URI (ΔCDF)	-8.40E-07	-8.40E-07	-8.40E-07	-8.40E-07	-6.50E-08	-6.50E-08	-6.50E-08	4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.94E-07	-7.79E-07	-7.76E-07	-8.97E-07	-1.10E-08	-1.00E-08	-1.00E-08	5.19E-07

Licensee Comments:

1Q/08: Risk Cap Invoked.

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	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-1.20E-08	-1.60E-08	-1.50E-08	-1.70E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.10E-08
URI (ΔCDF)	-4.60E-08	-4.60E-08	-4.60E-08	-4.70E-08	-4.70E-08	-4.70E-08	-4.70E-08	-4.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.80E-08	-6.20E-08	-6.10E-08	-6.40E-08	-6.90E-08	-6.90E-08	-6.90E-08	-6.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

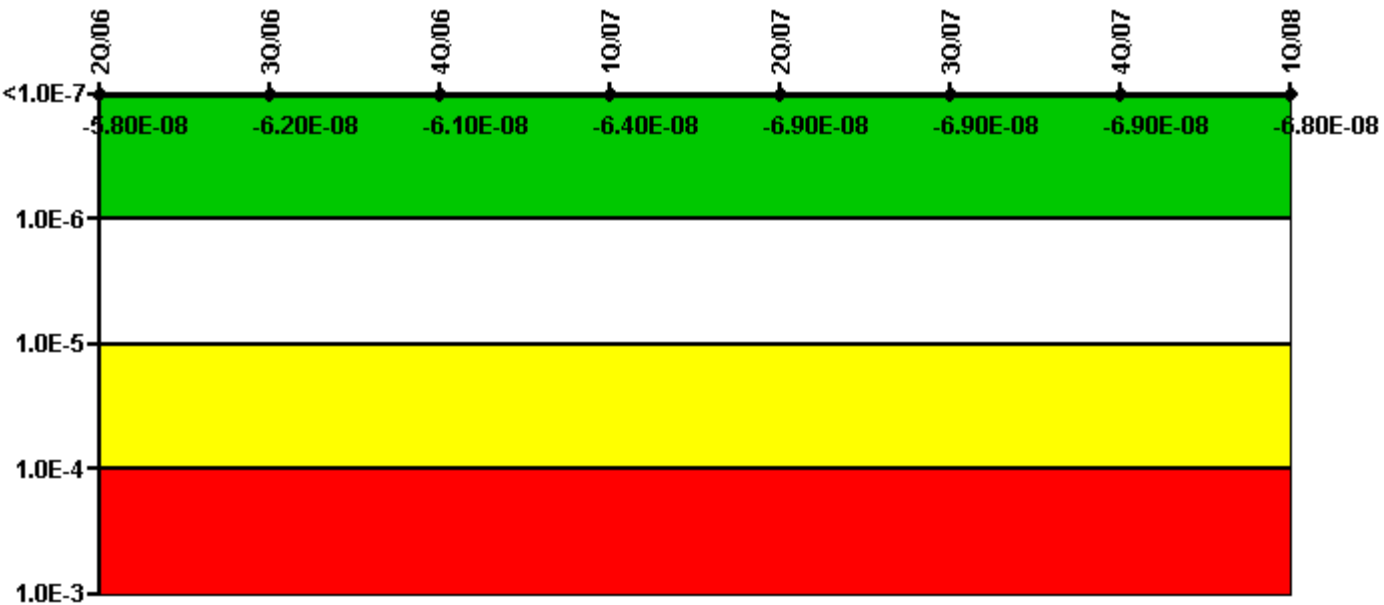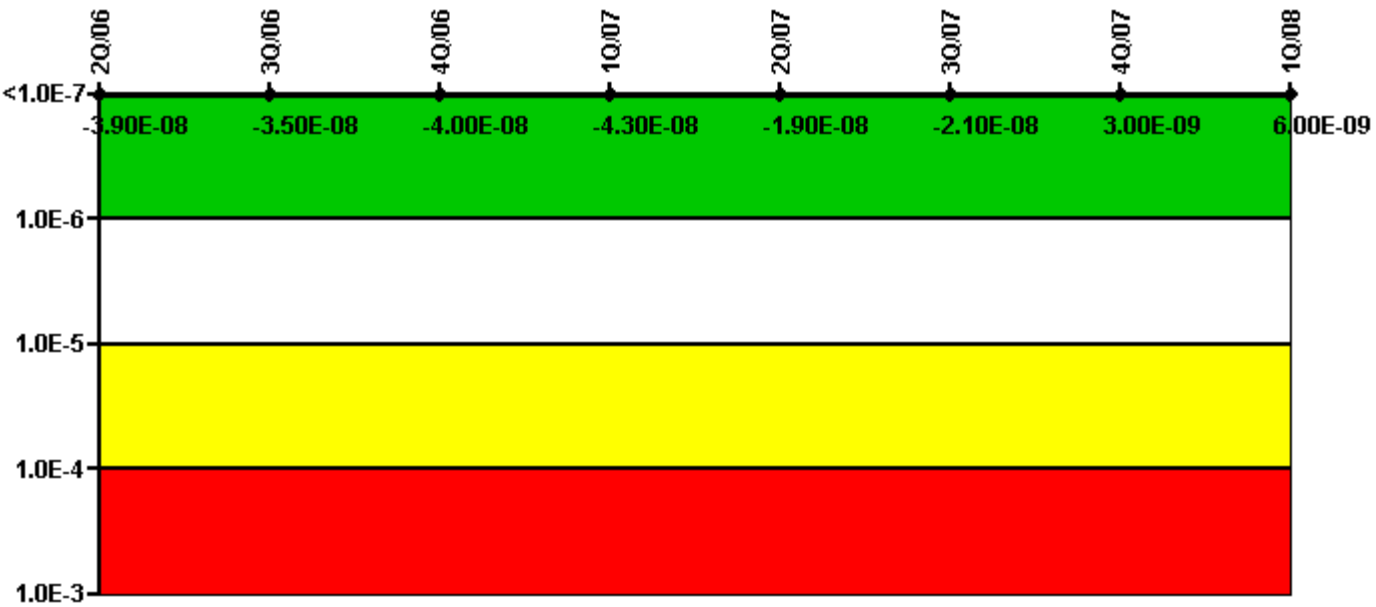Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	1.80E-08	2.20E-08	1.70E-08	1.60E-08	4.00E-08	3.80E-08	6.20E-08	6.50E-08
URI (ΔCDF)	-5.70E-08	-5.70E-08	-5.70E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.90E-08	-3.50E-08	-4.00E-08	-4.30E-08	-1.90E-08	-2.10E-08	3.00E-09	6.00E-09

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	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	2.10E-07	2.30E-07	2.00E-07	1.80E-07	1.80E-07	1.50E-07	1.30E-07	2.00E-07
URI (ΔCDF)	4.60E-08	4.70E-08	4.80E-08	5.50E-08	5.60E-08	5.50E-08	5.30E-08	5.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.56E-07	2.77E-07	2.48E-07	2.35E-07	2.36E-07	2.05E-07	1.83E-07	2.54E-07

Licensee Comments: none

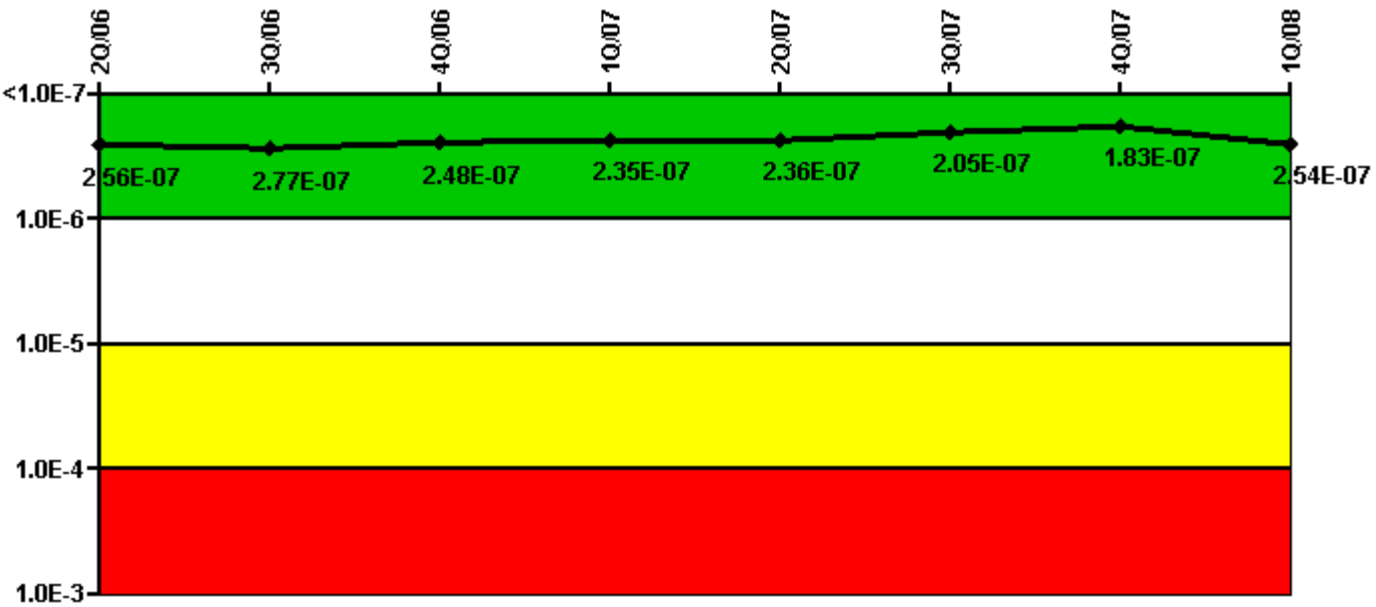# Mitigating Systems Performance Index, Cooling Water Systems

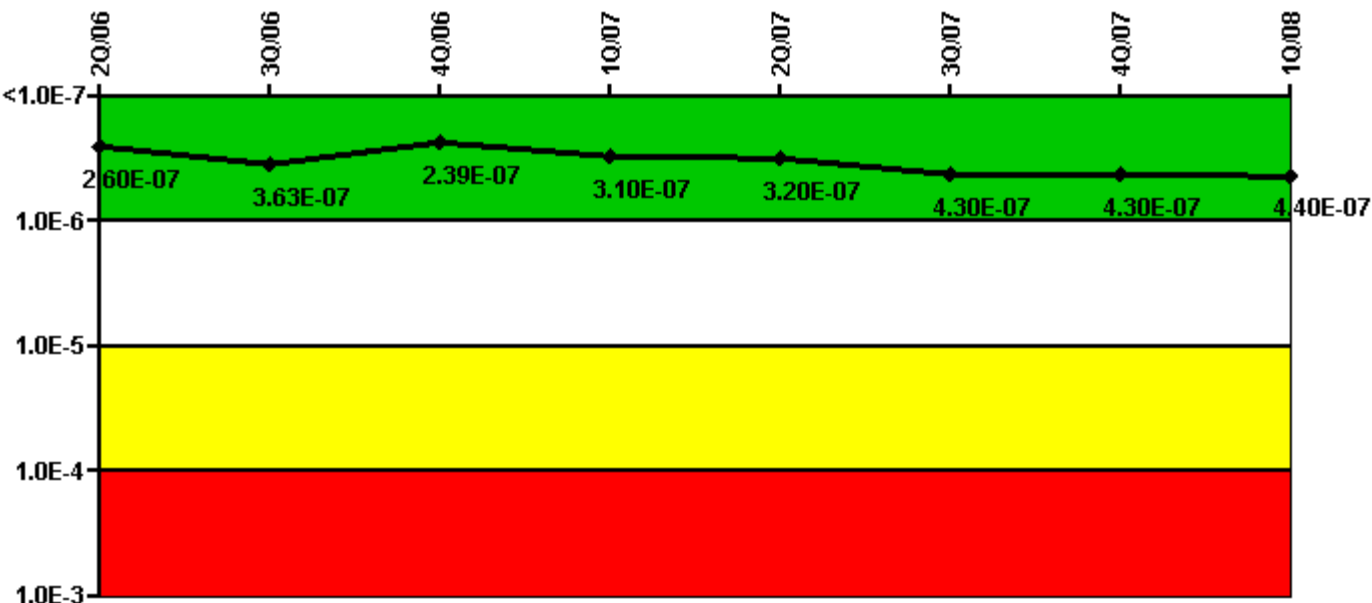Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	2.70E-07	2.70E-07	1.50E-07	1.20E-07	1.20E-07	2.30E-07	2.30E-07	2.40E-07
URI (ΔCDF)	-1.00E-08	9.30E-08	8.90E-08	1.90E-07	2.00E-07	2.00E-07	2.00E-07	2.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.60E-07	3.63E-07	2.39E-07	3.10E-07	3.20E-07	4.30E-07	4.30E-07	4.40E-07

Licensee Comments:

4Q/07: Unlocked to add U1 MSPI PRA numbers to A2 RHRSW Pump Device. Each failure on A2 was reassigned to another device, the U1 PRA parameters added to the A2 RHRSW Pump Device, and the failures reassigned. JAY 2/27/08 Duplicate devices exist in the INPO CDE database for the RHRSW pumps. One device exists for U2 and one exists for U3. Both of these devices are tied to U1, U2 and U3 MSPI. Unlocked to delete duplicate devices. JAY 4/8/08

3Q/07: Unlocked to add U1 MSPI PRA numbers to A2 RHRSW Pump Device. Each failure on A2 was reassigned to another device, the U1 PRA parameters added to the A2 RHRSW Pump Device, and the failures reassigned. JAY 2/27/08 Unlocked to revise EPXI reports 186, 384, 327 based on PER 139177. These EPIX reports were misclassified as demand failures and were reclassified as run failures. JAY 3/29/08 Duplicate devices exist in the INPO CDE database for the RHRSW pumps. One device exists for U2 and one exists for U3. Both of these devices are tied to U1, U2 and U3 MSPI. Unlocked to delete duplicate devices. JAY 4/8/08

2Q/07: 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 127680Unlocked to add U1 MSPI PRA numbers to A2 RHRSW Pump Device. Each failure on A2 was reassigned to another device, the U1 PRA parameters added to the A2 RHRSW Pump Device, and the failures reassigned. JAY 2/27/08Unlocked to revise EPXI reports 186, 384, 327 based on PER 139177. These EPIX reports were misclassified as demand failures and were reclassified as run failures. JAY 3/29/08 Duplicate devices exist in the INPO CDE database for the RHRSW pumps. One device exists for U2 and one exists for U3. Both of these devices are tied to U1, U2 and U3 MSPI. Unlocked to delete duplicate device. PER 141881. JAY 4/9/08 Duplicate devices exist in the INPO CDE database for the RHRSW pumps. One device exists for U2 and one exists for U3. Both of these devices are tied to U1, U2 and U3 MSPI. Unlocked to delete duplicate devices. JAY 4/8/08

1Q/07: Unlocked to add U1 MSPI PRA numbers to A2 RHRSW Pump Device. Each failure on A2 was reassigned to another device, the U1 PRA parameters added to the A2 RHRSW Pump Device, and the failures reassigned. JAY

2/27/08Unlocked to revise EPXI reports 186, 384, 327 based on PER 139177. These EPIX reports were misclassified as demand failures and were reclassified as run failures. JAY 3/29/08 Duplicate devices exist in the INPO CDE database for the RHRSW pumps. One device exists for U2 and one exists for U3. Both of these devices are tied to U1, U2 and U3 MSPI. Unlocked to delete duplicate devices. JAY 4/8/08

4Q/06: Unlocked to add U1 MSPI PRA numbers to A2 RHRSW Pump Device. Each failure on A2 was reassigned to another device, the U1 PRA parameters added to the A2 RHRSW Pump Device, and the failures reassigned. JAY 2/27/08Unlocked to revise EPXI reports 186, 384, 327 based on PER 139177. These EPIX reports were misclassified as demand failures and were reclassified as run failures. JAY 3/29/08 Duplicate devices exist in the INPO CDE database for the RHRSW pumps. One device exists for U2 and one exists for U3. Both of these devices are tied to U1, U2 and U3 MSPI. Unlocked to delete duplicate devices. JAY 4/8/08

3Q/06: Unlocked to add U1 MSPI PRA numbers to A2 RHRSW Pump Device. Each failure on A2 was reassigned to another device, the U1 PRA parameters added to the A2 RHRSW Pump Device, and the failures reassigned. JAY 2/27/08Unlocked to revise EPXI reports 186, 384, 327 based on PER 139177. These EPIX reports were misclassified as demand failures and were reclassified as run failures. JAY 3/29/08 Duplicate devices exist in the INPO CDE database for the RHRSW pumps. One device exists for U2 and one exists for U3. Both of these devices are tied to U1, U2 and U3 MSPI. Unlocked to delete duplicate devices. JAY 4/8/08

2Q/06: 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 127680Unlocked to add U1 MSPI PRA numbers to A2 RHRSW Pump Device. Each failure on A2 was reassigned to another device, the U1 PRA parameters added to the A2 RHRSW Pump Device, and the failures reassigned. JAY 2/27/08Unlocked to revise EPXI reports 186, 384, 327 based on PER 139177. These EPIX reports were misclassified as demand failures and were reclassified as run failures. JAY 3/29/08 Duplicate devices exist in the INPO CDE database for the RHRSW pumps. One device exists for U2 and one exists for U3. Both of these devices are tied to U1, U2 and U3 MSPI. Unlocked to delete duplicate devices. JAY 4/8/08
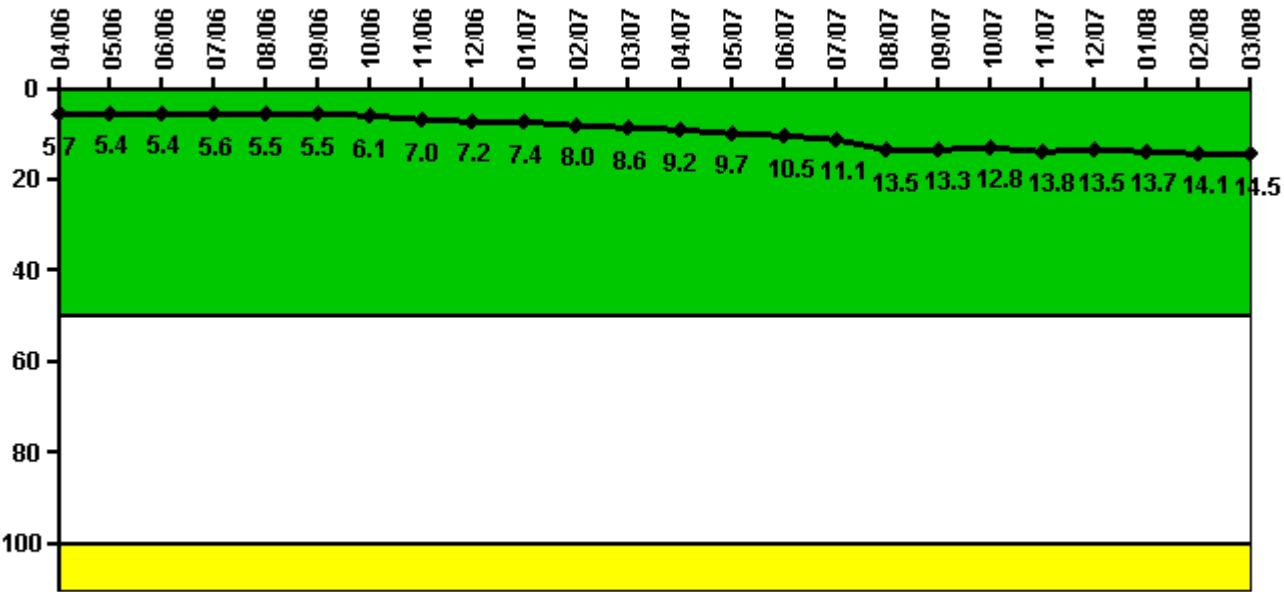

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	0.000043	0.000037	0.000036	0.000033	0.000062	0.000054	0.000038	0.000046	0.000043	0.000029	0.000037	0.000040
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	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum activity	0.000035	0.000042	0.000040	0.000037	0.000034	0.000041	0.000041	0.000044	0.000043	0.000038	0.000041	0.000031
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

Licensee Comments: none


Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	1.710	1.630	1.630	1.680	1.650	1.660	1.840	2.110	2.150	2.220	2.410	2.590
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	5.7	5.4	5.4	5.6	5.5	5.5	6.1	7.0	7.2	7.4	8.0	8.6
Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	2.750	2.920	3.160	3.340	4.050	3.990	3.850	4.130	4.050	4.120	4.220	4.360
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	9.2	9.7	10.5	11.1	13.5	13.3	12.8	13.8	13.5	13.7	14.1	14.5

Licensee Comments: none

Drill/Exercise Performance
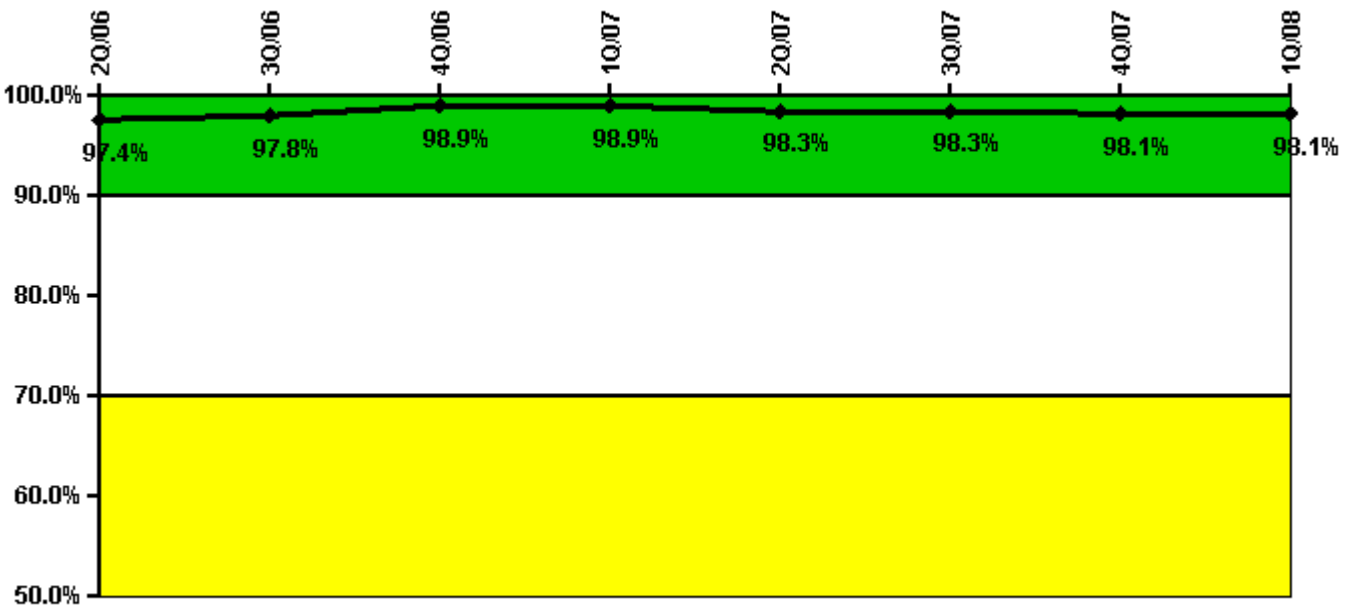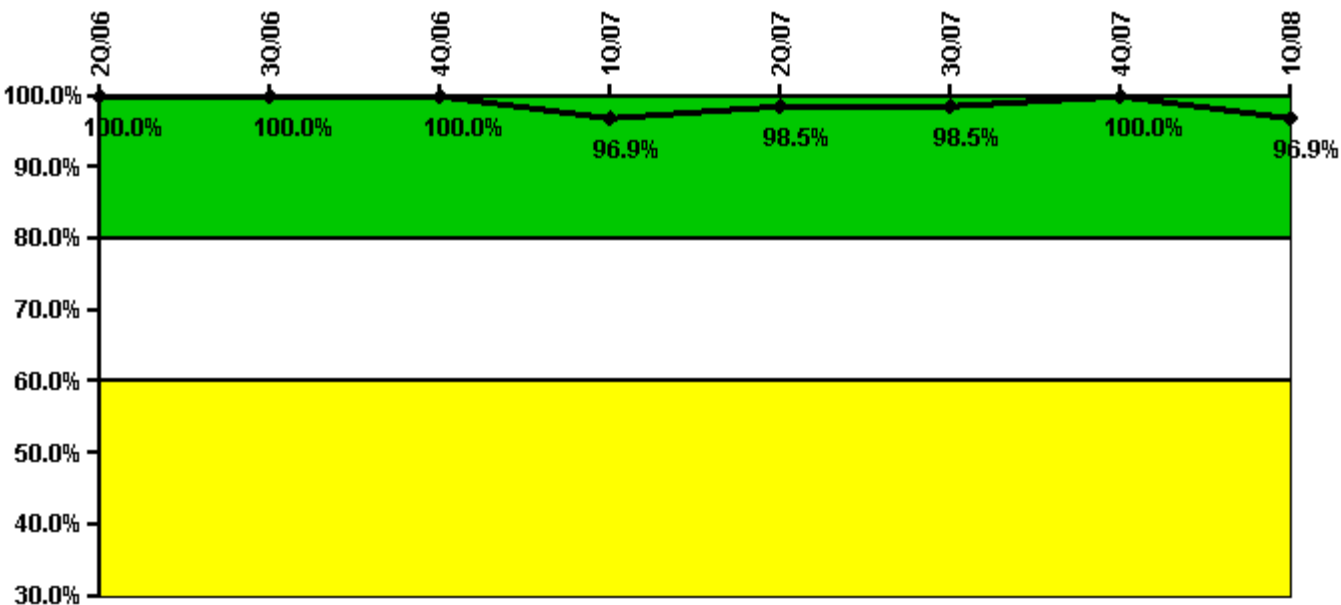

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	15.0	44.0	24.0	0	7.0	8.0	55.0	6.0
Total opportunities	16.0	44.0	24.0	0	8.0	8.0	56.0	6.0
Indicator value	97.4%	97.8%	98.9%	98.9%	98.3%	98.3%	98.1%	98.1%

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

| ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	73.0	69.0	68.0	63.0	66.0	66.0	68.0	62.0
Total Key personnel	73.0	69.0	68.0	65.0	67.0	67.0	68.0	64.0
Indicator value	100.0%	100.0%	100.0%	96.9%	98.5%	98.5%	100.0%	96.9%

Licensee Comments: none

Alert & Notification System
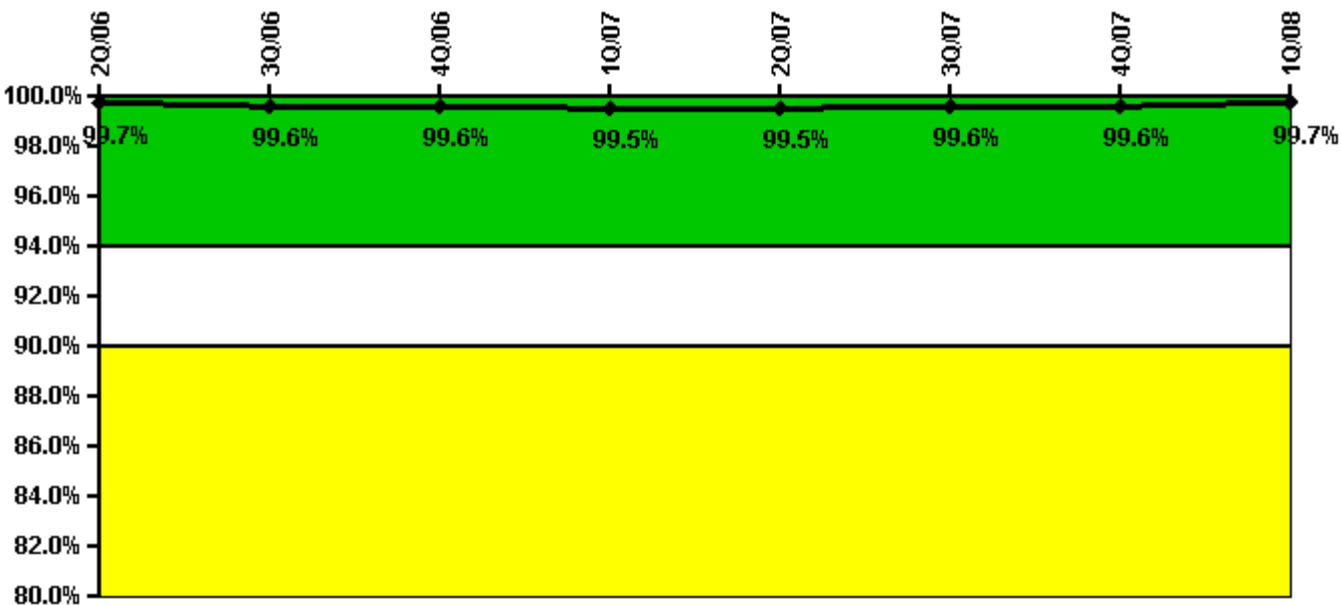
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	896	793	798	797	795	798	698	999
Total sirens-tests	900	800	800	800	800	800	700	1000
Indicator value	99.7%	99.6%	99.6%	99.5%	99.5%	99.6%	99.6%	99.7%

Licensee Comments: none

# Occupational Exposure Control Effectiveness
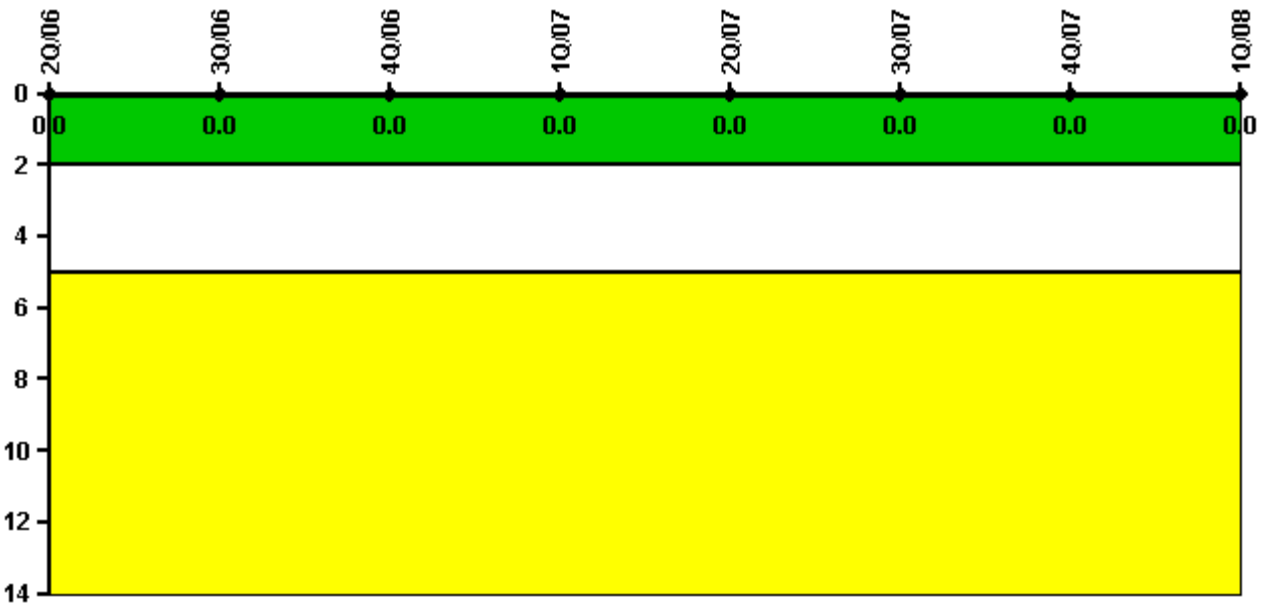
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
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
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent
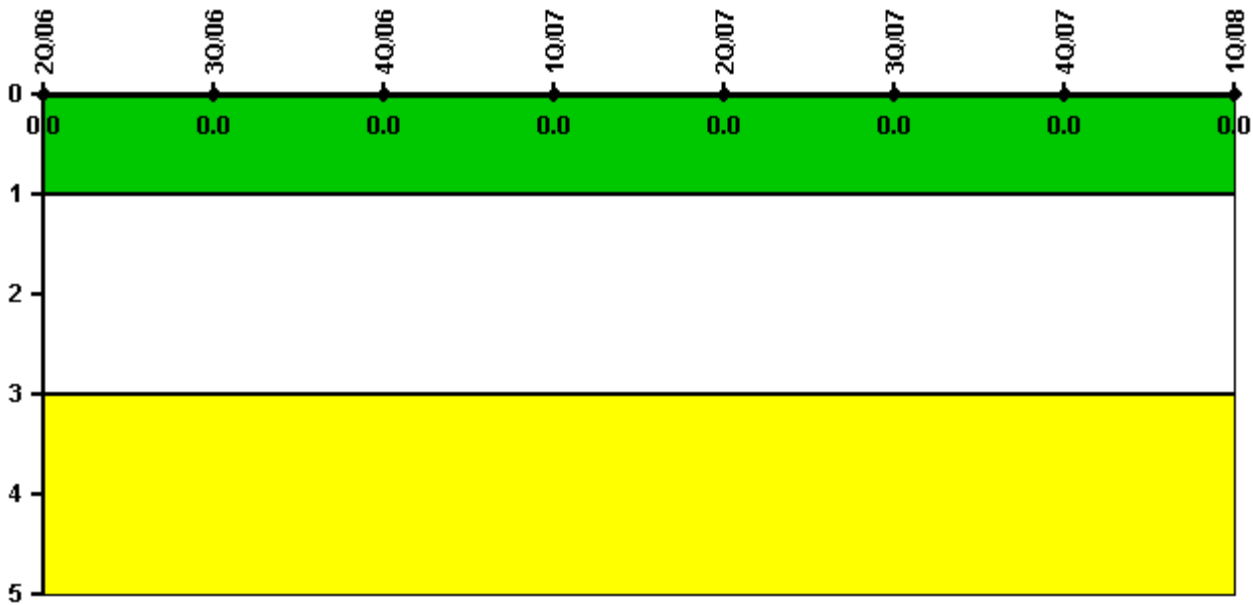
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
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.

Last Modified: April 30, 2008