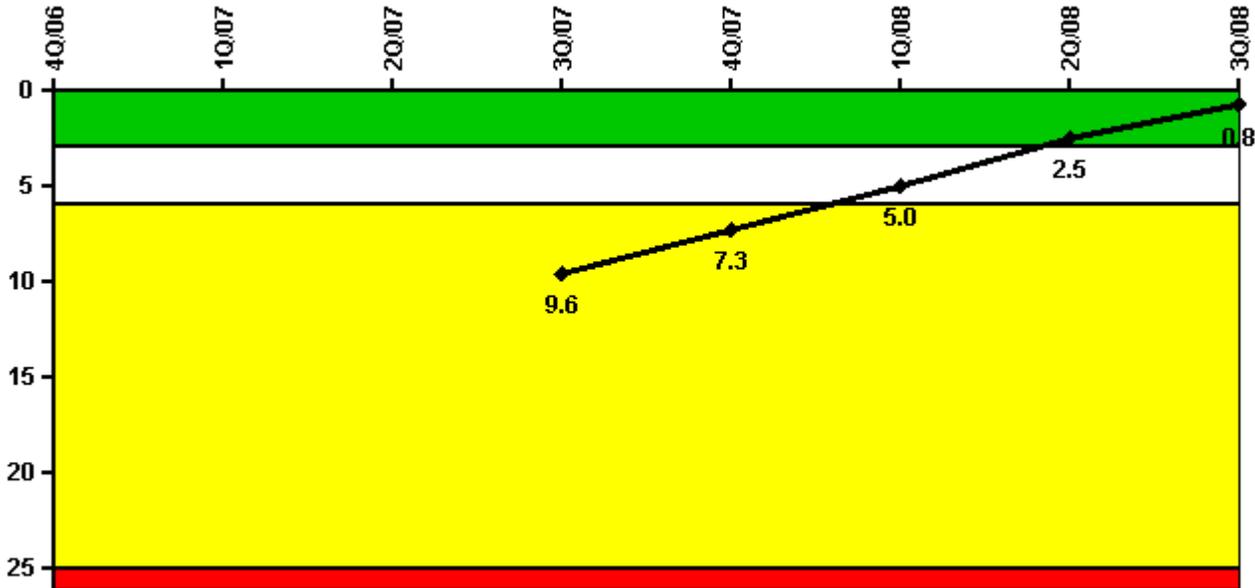


# Browns Ferry 1

## 3Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



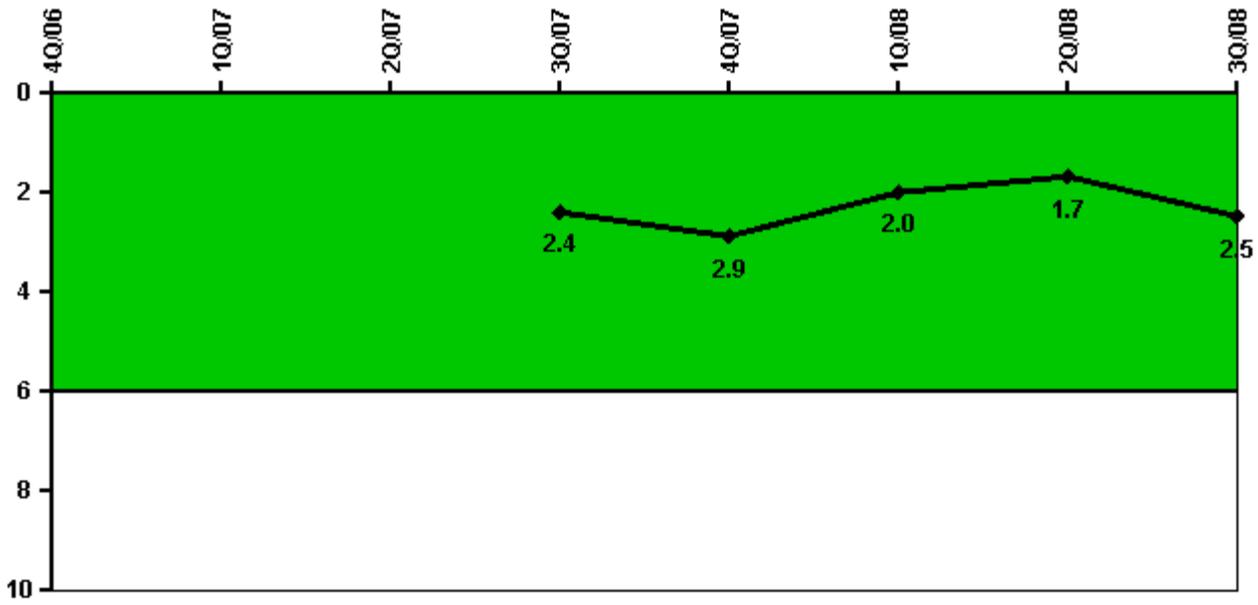
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	2.0	2.0	1.0	0	0	0
Critical hours	0	0	773.5	2137.5	1877.4	2183.0	2184.0	2069.3
Indicator value	N/A	N/A	N/A	9.6	7.3	5.0	2.5	0.8

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



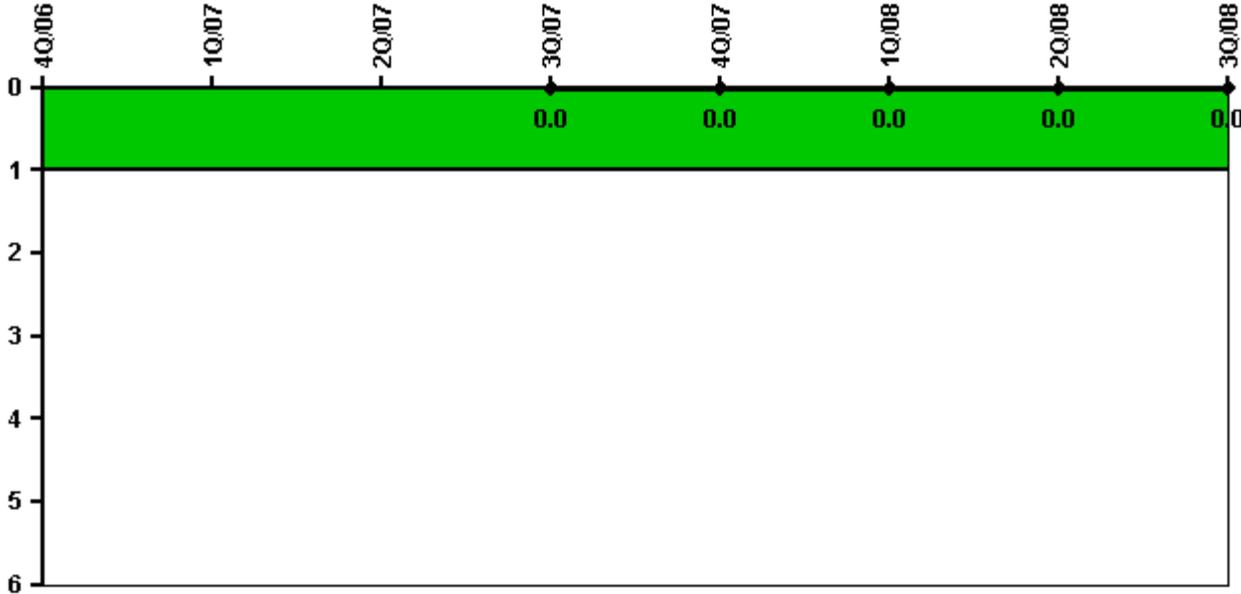
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	1.0	1.0	0	0	2.0
Critical hours	0	0	773.5	2137.5	1877.4	2183.0	2184.0	2069.3
Indicator value	N/A	N/A	N/A	2.4	2.9	2.0	1.7	2.5

Licensee Comments: none

# Unplanned Scrams with Complications



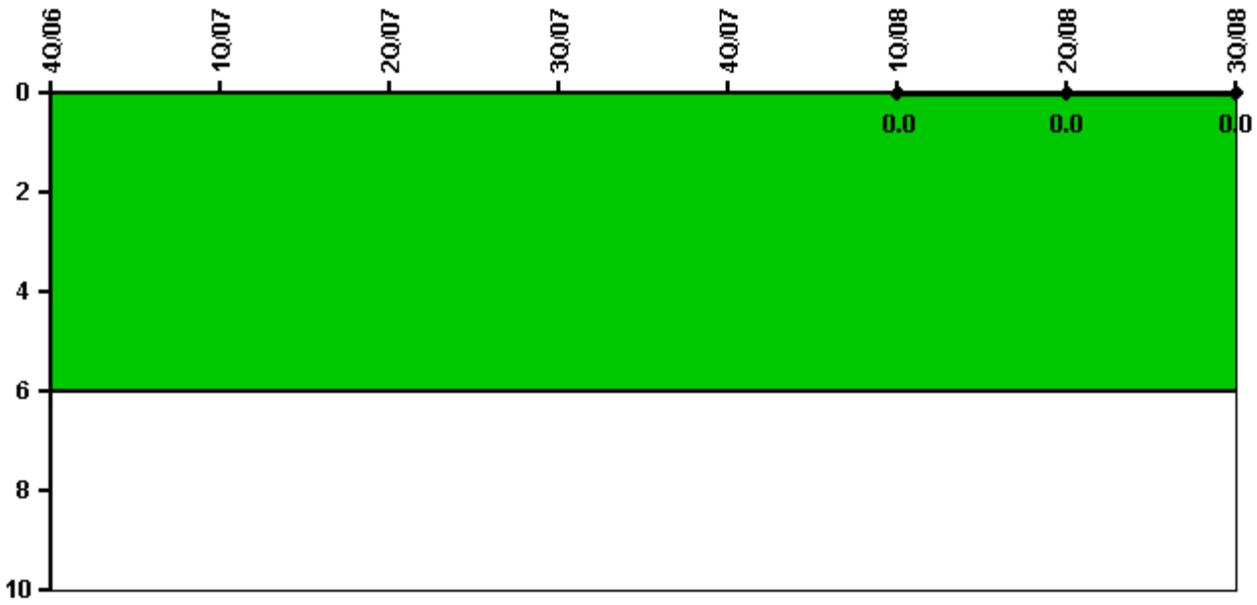
Thresholds: White > 1.0

**Notes**

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

Licensee Comments: none

## Safety System Functional Failures (BWR)



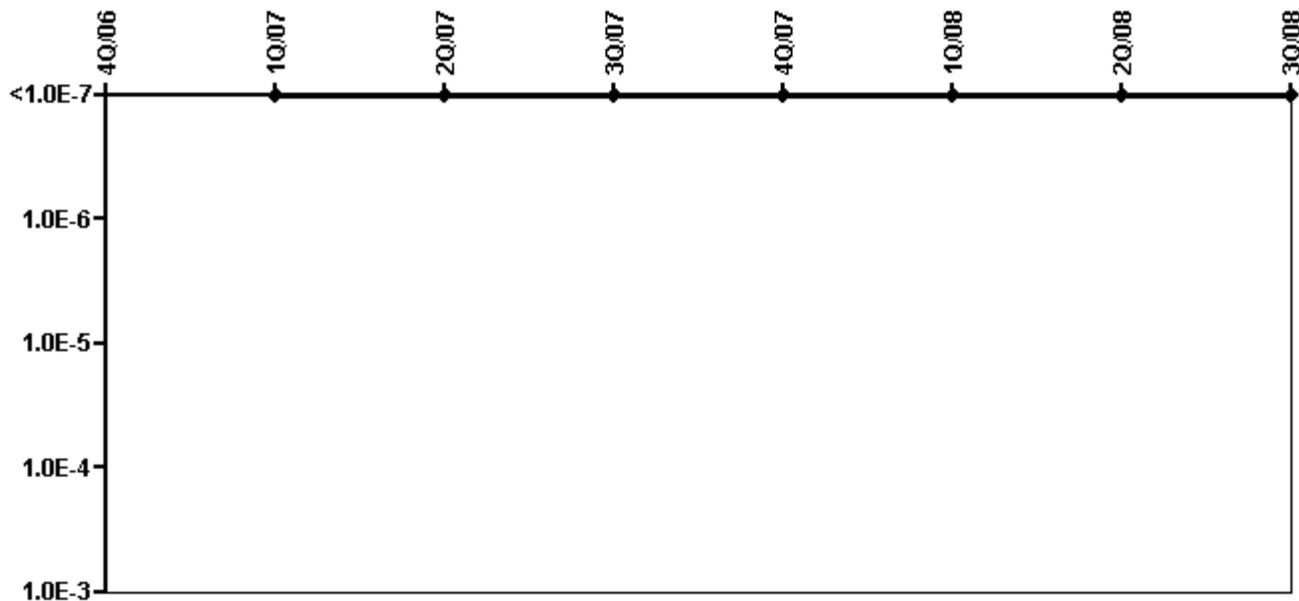
Thresholds: White > 6.0

### Notes

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

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



## Thresholds:

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)		0.00E+00	-9.60E-09	-9.60E-09	-9.60E-09	-7.40E-09	4.50E-09	-3.30E-09
URI ( $\Delta$ CDF)		-5.80E-08	-1.10E-07	-1.10E-07	-1.10E-07	-8.50E-08	-8.50E-08	-8.50E-08
PLE	N/A	NO						
Indicator value		-5.80E-08	-1.20E-07	-1.20E-07	-1.20E-07	-9.24E-08	-8.05E-08	-8.83E-08

## Licensee Comments:

3Q/08: Changed PRA Parameter(s).

2Q/08: Changed PRA Parameter(s). Beginning in the 2nd quarter 2008, the data reported reflects a lack of historical operational data needed to maintain the adequate degree of accuracy required by this PI. Until further notice, MSPI performance threshold crossings will be assessed by the NRC Unit 1 augmented baseline inspection plan.

1Q/08: Changed PRA Parameter(s). Browns Ferry Unit 1 quarterly data entry began with 3rd Quarter 2007. Unavailability and Unreliability Indices values will be calculated and reported when sufficient quarterly data has been entered to support valid calculations of time averaged indices.

4Q/07: Changed PRA Parameter(s). Browns Ferry Unit 1 quarterly data entry began with 3rd Quarter 2007. Unavailability and Unreliability Indices values will be calculated and reported when sufficient quarterly data has been entered to support valid calculations of time averaged indices.

3Q/07: Changed PRA Parameter(s). Browns Ferry Unit 1 quarterly data entry began with 3rd Quarter 2007. Unavailability and Unreliability Indices values will be calculated and reported when sufficient quarterly data has been entered to support valid calculations of time-averaged indices.

2Q/07: Changed PRA Parameter(s). Unit 1 was restarted on 5/22/07. Per NRC's 5/16/07 letter to TVA on Unit 1 full transition to the Reactor Oversight Process (ADAMS accession ML0713603010), the PI data for the BF1 IE, MS, and BI cornerstones should be submitted, according to IMC 0608 and industry guidance, commencing with the third quarter of CY 2007.

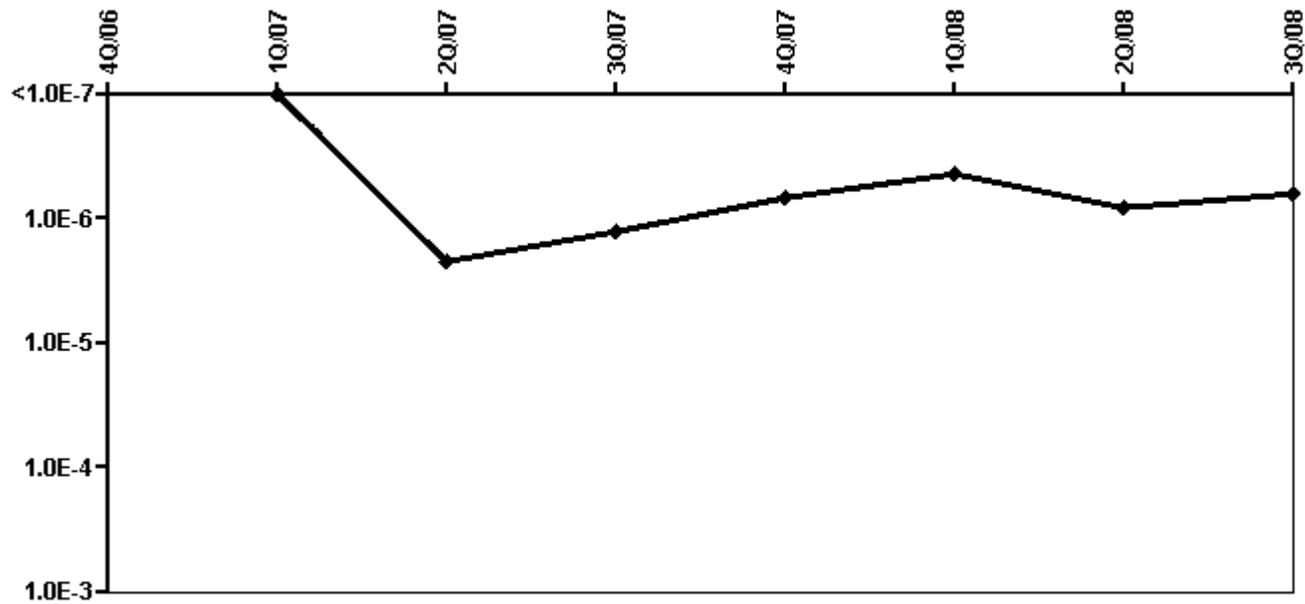
1Q/07: Changed PRA Parameter(s).

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

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

2Q/06: Changed PRA Parameter(s). Data unlocked to revise PRA parameters that were incorrectly entered in the database (CDF). Reference PER 148995 JAY 9/17/08

### Mitigating Systems Performance Index, High Pressure Injection System



Thresholds:

#### Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)		0.00E+00	2.30E-06	1.30E-06	7.10E-07	4.80E-07	8.70E-07	6.90E-07
URI (ΔCDF)		-7.80E-12	-6.40E-09	-1.50E-08	-2.40E-08	-3.20E-08	-4.30E-08	-5.00E-08
PLE	N/A	NO						
Indicator value		-7.80E-12	2.29E-06	1.29E-06	6.86E-07	4.48E-07	8.27E-07	6.40E-07

Licensee Comments:

3Q/08: Changed PRA Parameter(s).

2Q/08: Changed PRA Parameter(s). Beginning in the 2nd quarter 2008, the data reported reflects a lack of historical operational data needed to maintain the adequate degree of accuracy required by this PI. Until further notice, MSPI performance threshold crossings will be assessed by the NRC Unit 1 augmented baseline inspection plan.

1Q/08: Changed PRA Parameter(s). Browns Ferry Unit 1 quarterly data entry began with 3rd Quarter 2007. Unavailability and Unreliability Indices values will be calculated and reported when sufficient quarterly data has been entered to support valid calculations of time averaged indices.

4Q/07: Changed PRA Parameter(s). Browns Ferry Unit 1 quarterly data entry began with 3rd Quarter 2007. Unavailability and Unreliability Indices values will be calculated and reported when sufficient quarterly data has been entered to support valid

calculations of time averaged indices.

3Q/07: Changed PRA Parameter(s). Browns Ferry Unit 1 quarterly data entry began with 3rd Quarter 2007. Unavailability and Unreliability Indices values will be calculated and reported when sufficient quarterly data has been entered to support valid calculation of time-averaged indices.

2Q/07: Changed PRA Parameter(s). Unit 1 was restarted on 5/22/07. Per NRC's 5/16/07 letter to TVA on Unit 1 full transition to the Reactor Oversight Process (ADAMS accession ML0713603010), the PI data for the BF1 IE, MS, and BI cornerstones should be submitted, according to IMC 0608 and industry guidance, commencing with the third quarter of CY 2007.

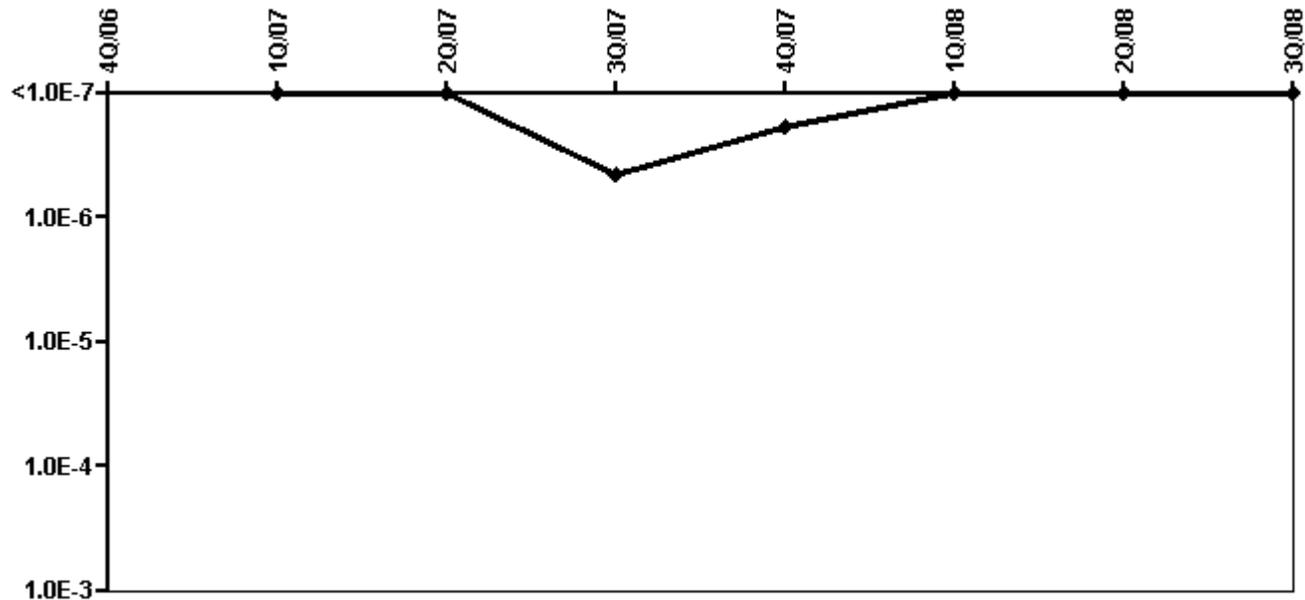
1Q/07: Changed PRA Parameter(s).

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

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

2Q/06: Changed PRA Parameter(s). Data unlocked to revise PRA parameters that were incorrectly entered in the database (CDF) and those incorrectly entered in the U1 MSPI basis document (FVURC and URPC). Reference PER 148995 JAY 9/17/08

### Mitigating Systems Performance Index, Heat Removal System



**Thresholds:**

**Notes**

Mitigating Systems Performance Index, Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)		0.00E+00	-1.50E-08	4.80E-07	2.30E-07	8.70E-08	1.00E-07	3.80E-08
URI (ΔCDF)		-2.30E-11	-1.00E-08	-2.50E-08	-3.80E-08	-5.00E-08	-6.20E-08	-7.30E-08
PLE	N/A	NO						
Indicator value		-2.30E-11	-2.50E-08	4.55E-07	1.92E-07	3.70E-08	3.80E-08	-3.50E-08

Licensee Comments:

3Q/08: Changed PRA Parameter(s).



UAI ( $\Delta$ CDF)		0.00E+00	-1.30E-07	-1.30E-07	2.00E-07	4.00E-08	-1.80E-08	1.50E-07
URI ( $\Delta$ CDF)		-2.30E-08	-8.90E-08	-9.90E-08	-1.10E-07	-1.10E-07	-1.20E-07	-1.20E-07
PLE	N/A	NO						
Indicator value		-2.30E-08	-2.19E-07	-2.29E-07	9.00E-08	-7.00E-08	-1.38E-07	3.00E-08

Licensee Comments:

3Q/08: Changed PRA Parameter(s).

2Q/08: Changed PRA Parameter(s). Beginning in the 2nd quarter 2008, the data reported reflects a lack of historical operational data needed to maintain the adequate degree of accuracy required by this PI. Until further notice, MSPI performance threshold crossings will be assessed by the NRC Unit 1 augmented baseline inspection plan.

1Q/08: Changed PRA Parameter(s). Browns Ferry Unit 1 quarterly data entry began with 3rd Quarter 2007. Unavailability and Unreliability Indices values will be calculated and reported when sufficient quarterly data has been entered to support valid calculations of time averaged indices.

4Q/07: Changed PRA Parameter(s). Browns Ferry Unit 1 quarterly data entry began with 3rd Quarter 2007. Unavailability and Unreliability Indices values will be calculated and reported when sufficient quarterly data has been entered to support valid calculations of time averaged indices.

3Q/07: Changed PRA Parameter(s). Browns Ferry Unit 1 quarterly data entry began with 3rd Quarter 2007. Unavailability and Unreliability Indices will be calculated and reported when sufficient quarterly data has been entered to support valid calculation of time-averaged indices.

2Q/07: Changed PRA Parameter(s). Unit 1 was restarted on 5/22/07. Per NRC's 5/16/07 letter to TVA on Unit 1 full transition to the Reactor Oversight Process (ADAMS accession ML0713603010), the PI data for the BF1 IE, MS, and BI cornerstones should be submitted, according to IMC 0608 and industry guidance, commencing with the third quarter of CY 2007.

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

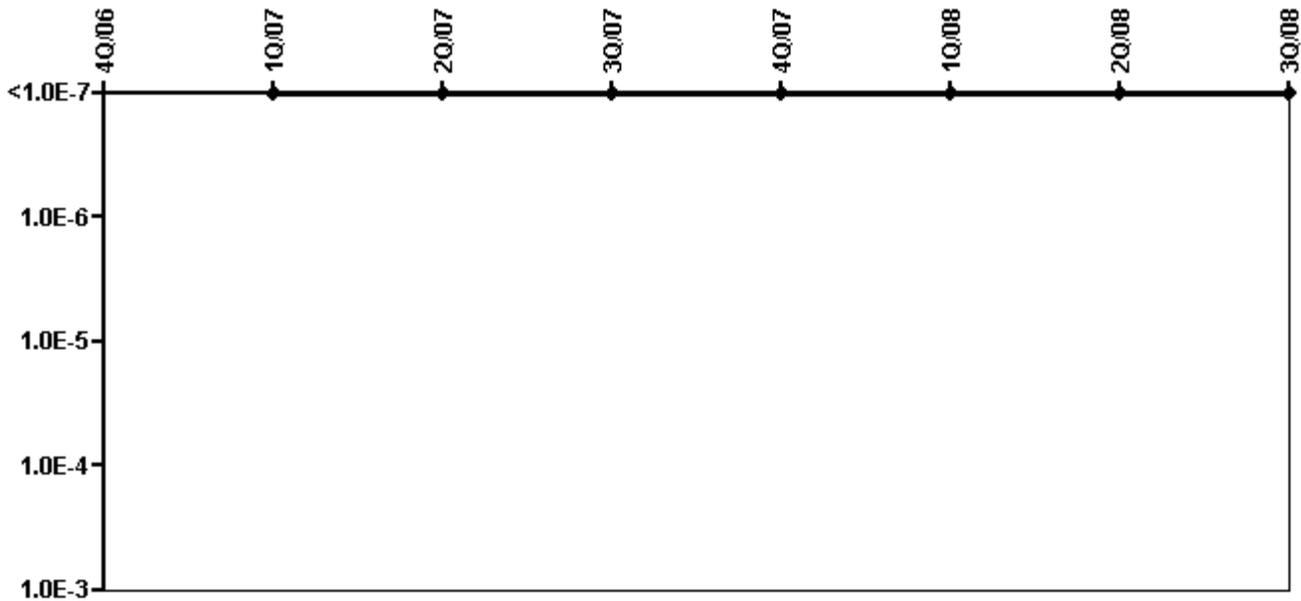
4Q/06: Changed PRA Parameter(s).

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

2Q/06: Changed PRA Parameter(s). Data unlocked to revise PRA parameters that were incorrectly entered in the database (CDF). Reference PER 148995 JAY 9/17/08

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# Mitigating Systems Performance Index, Cooling Water Systems



Thresholds:

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI ( $\Delta$ CDF)		0.00E+00	-1.60E-08	9.70E-08	4.90E-08	2.50E-08	3.00E-08	2.40E-08
URI ( $\Delta$ CDF)		-1.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07
PLE	N/A	NO						
Indicator value		-1.00E-07	-2.16E-07	-1.03E-07	-1.51E-07	-1.75E-07	-1.70E-07	-1.76E-07

Licensee Comments:

3Q/08: Changed PRA Parameter(s).

2Q/08: Changed PRA Parameter(s). Beginning in the 2nd quarter 2008, the data reported reflects a lack of historical operational data needed to maintain the adequate degree of accuracy required by this PI. Until further notice, MSPI performance threshold crossings will be assessed by the NRC Unit 1 augmented baseline inspection plan.

1Q/08: Changed PRA Parameter(s). Browns Ferry Unit 1 quarterly data entry began with 3rd Quarter 2007. Unavailability and Unreliability Indices values will be calculated and reported when sufficient quarterly data has been entered to support valid calculations of time averaged indices.

4Q/07: Changed PRA Parameter(s). Browns Ferry Unit 1 quarterly data entry began with 3rd Quarter 2007. Unavailability and Unreliability Indices values will be calculated and reported when sufficient quarterly data has been entered to support valid calculations of time averaged indices.

3Q/07: Changed PRA Parameter(s). Browns Ferry Unit 1 quarterly data entry began with 3rd Quarter 2007. Unavailability and Unreliability Indices will be calculated and reported when sufficient quarterly data has been entered to support valid calculation of time-averaged indices.

2Q/07: Changed PRA Parameter(s). Unit 1 was restarted on 5/22/07. Per NRC's 5/16/07 letter to TVA on Unit 1 full transition to the Reactor Oversight Process (ADAMS accession ML0713603010), the PI data for the BF1 IE, MS, and BI cornerstones should be submitted, according to IMC 0608 and industry guidance, commencing with the third quarter of CY 2007.

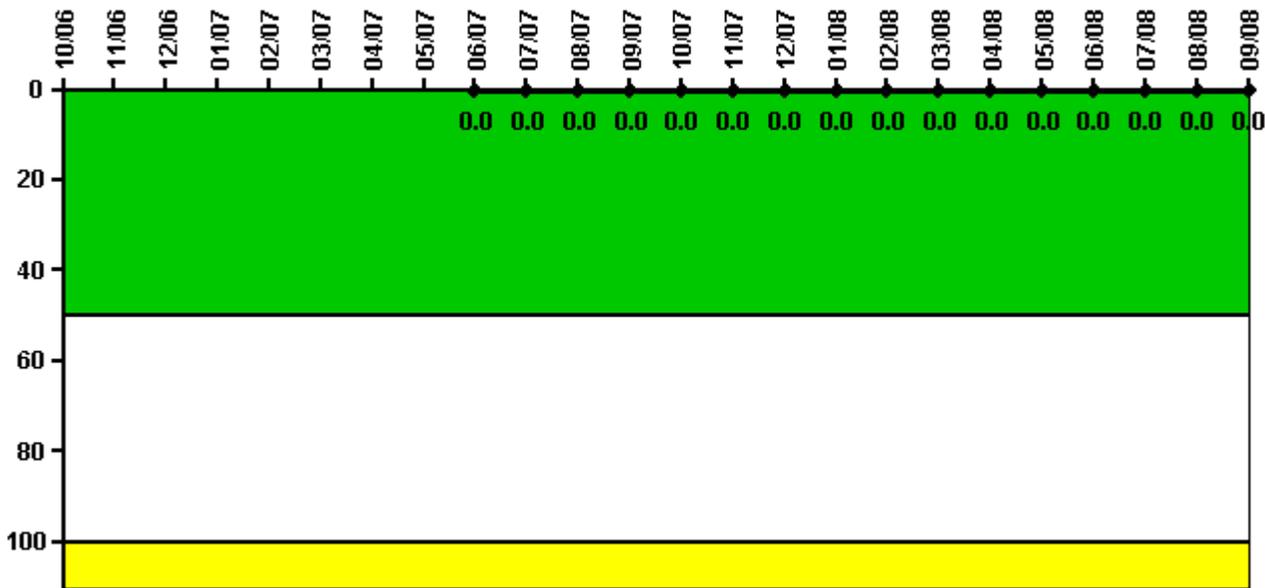
1Q/07: Changed PRA Parameter(s).

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

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

2Q/06: Changed PRA Parameter(s). Data unlocked to revise PRA parameters that were incorrectly entered in the database (CDF).  
Reference PER 148995 JAY 9/17/08

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

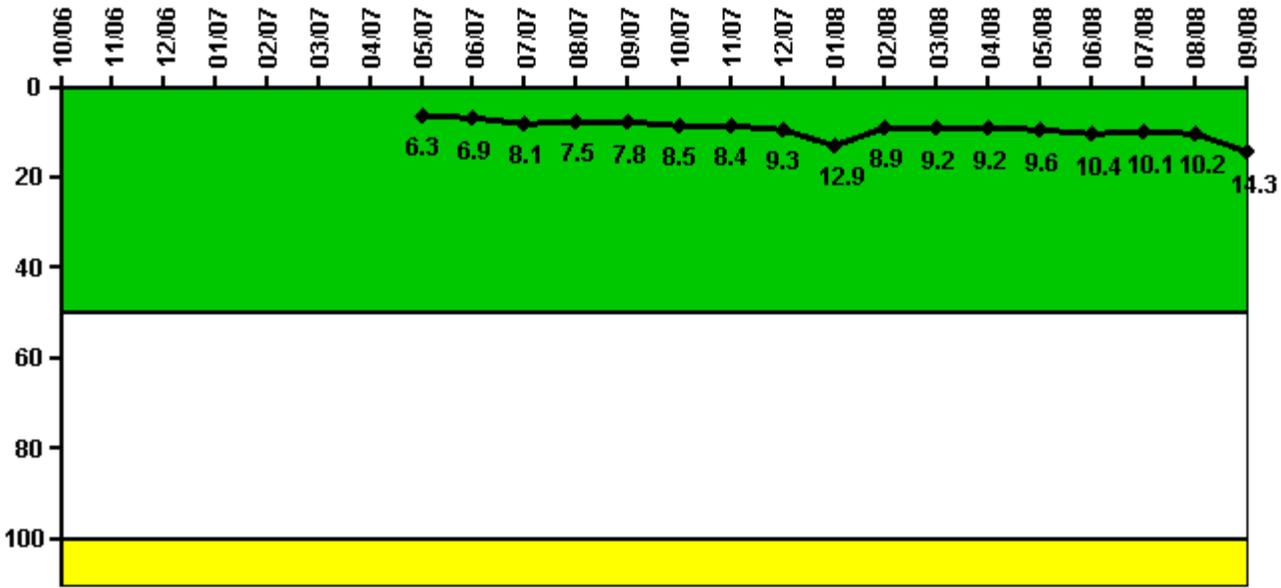
Reactor Coolant System Activity	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity								N/A	0.000119	0.000133	0.000108	0.000083
Technical specification limit	0	0	0	0	0	0	0	3.2	3.2	3.2	3.2	3.2
Indicator value								N/A	0	0	0	0

Reactor Coolant System Activity	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum activity	0.000078	0.000081	0.000119	0.000099	0.000094	0.000081	0.000085	0.000045	0.000049	0.000079	0.000098	0.000089
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



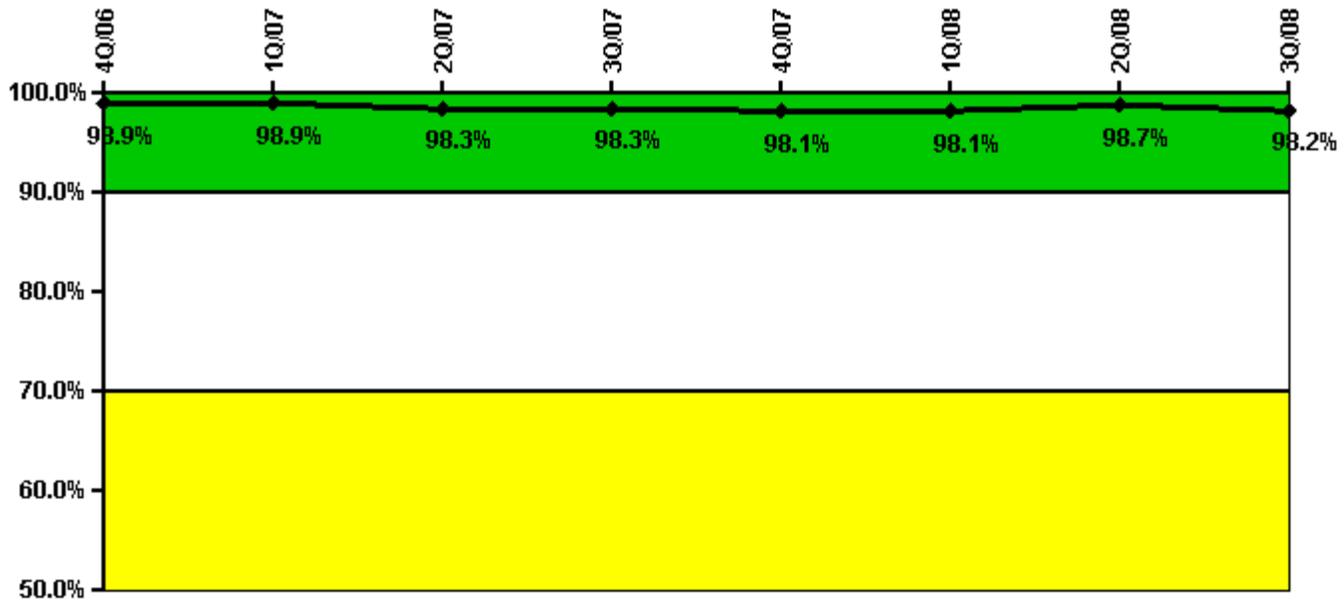
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	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 leakage								1.900	2.080	2.430	2.260	2.330
Technical specification limit	0	0	0	0	0	0		30.0	30.0	30.0	30.0	30.0
Indicator value								6.3	6.9	8.1	7.5	7.8
Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	2.560	2.530	2.790	3.880	2.670	2.760	2.770	2.890	3.110	3.020	3.050	4.280
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	8.5	8.4	9.3	12.9	8.9	9.2	9.2	9.6	10.4	10.1	10.2	14.3

Licensee Comments: none

## Drill/Exercise Performance



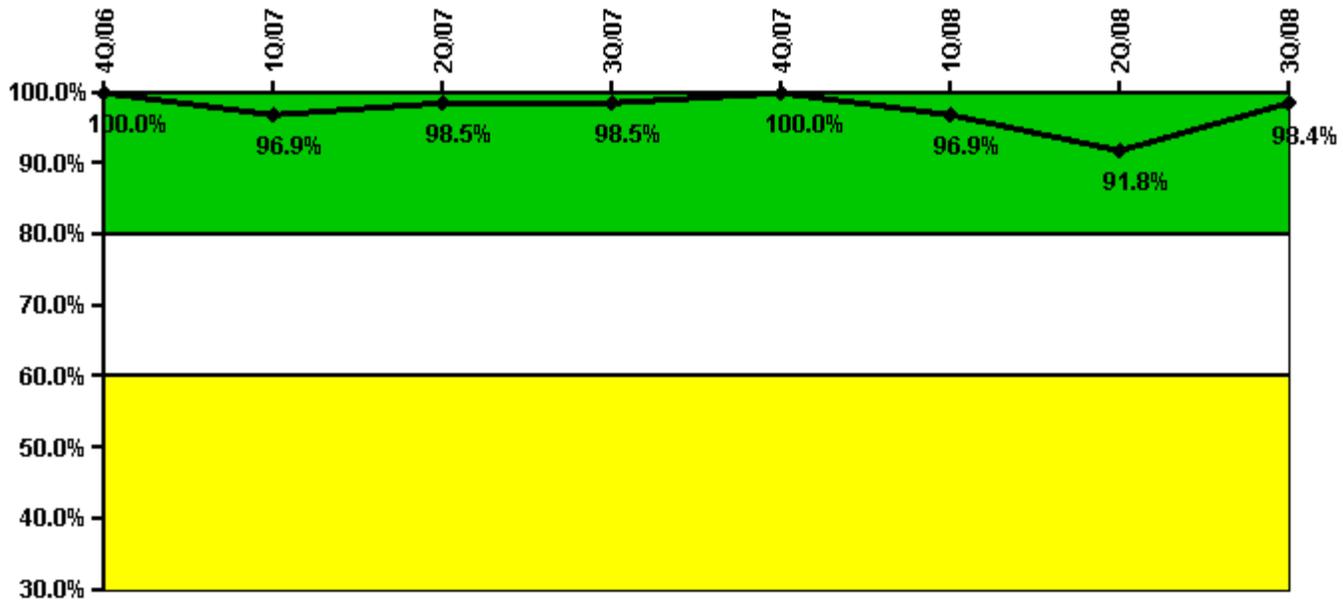
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	24.0	0	7.0	8.0	55.0	6.0	3.0	4.0
Total opportunities	24.0	0	8.0	8.0	56.0	6.0	3.0	4.0
Indicator value	98.9%	98.9%	98.3%	98.3%	98.1%	98.1%	98.7%	98.2%

Licensee Comments: none

## ERO Drill Participation



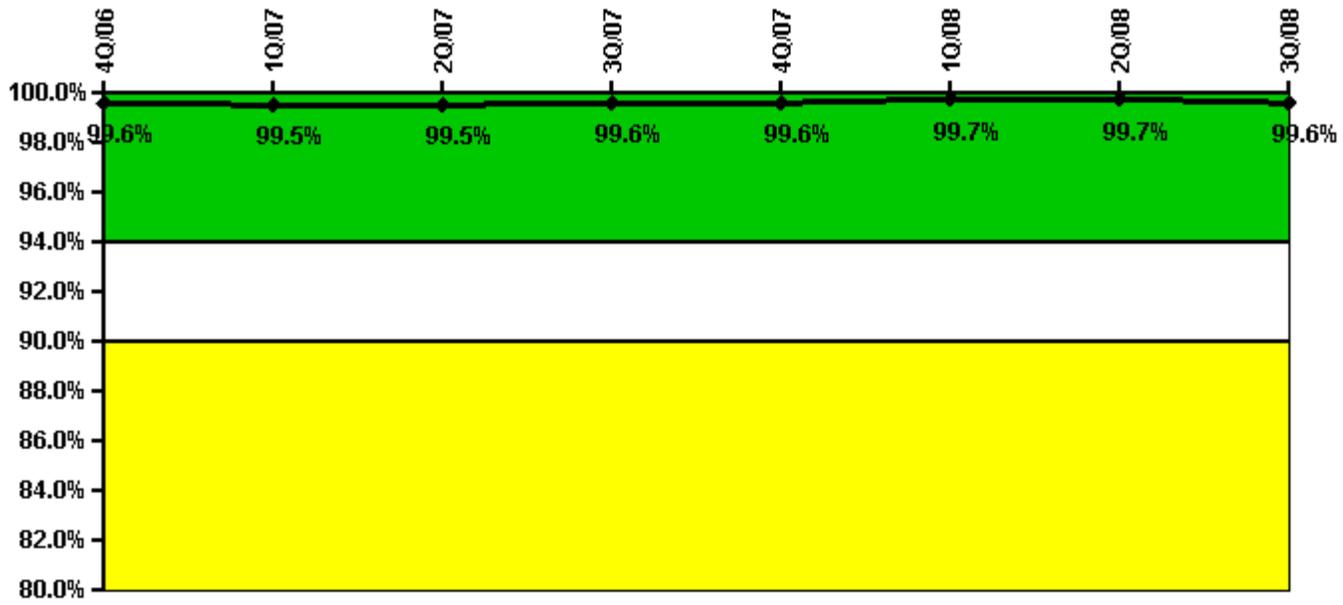
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	68.0	63.0	66.0	66.0	68.0	62.0	56.0	63.0
Total Key personnel	68.0	65.0	67.0	67.0	68.0	64.0	61.0	64.0
Indicator value	100.0%	96.9%	98.5%	98.5%	100.0%	96.9%	91.8%	98.4%

Licensee Comments: none

## Alert & Notification System



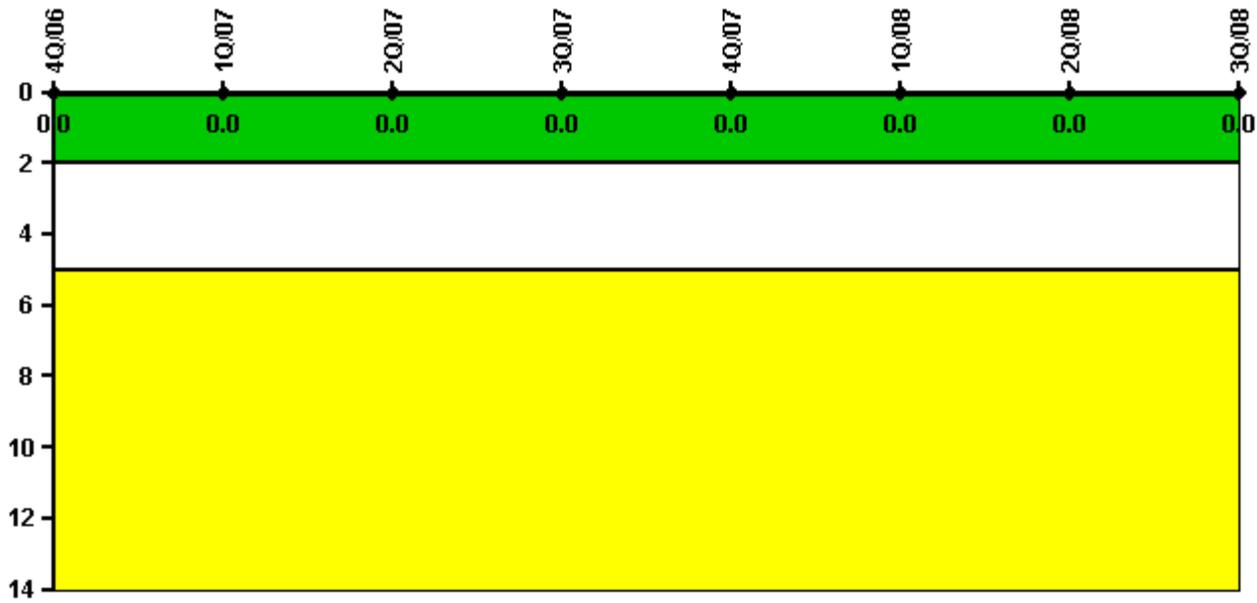
**Thresholds:** White < 94.0% Yellow < 90.0%

### Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	798	797	795	798	698	999	596	994
Total sirens-tests	800	800	800	800	700	1000	600	1000
Indicator value	99.6%	99.5%	99.5%	99.6%	99.6%	99.7%	99.7%	99.6%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



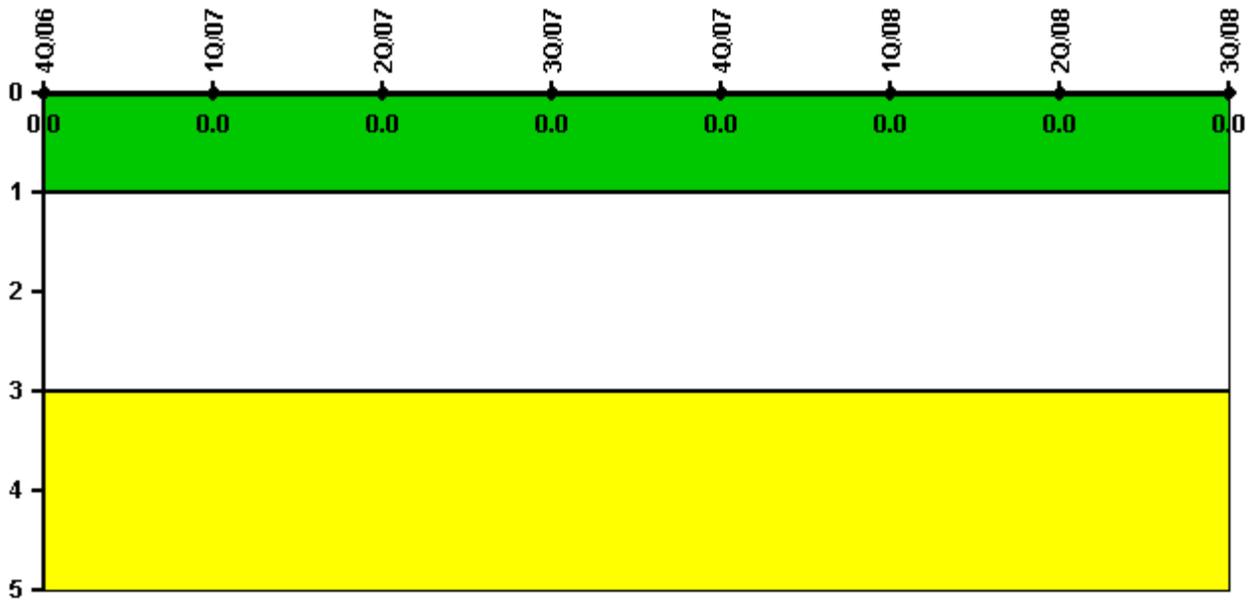
Thresholds: White > 2.0 Yellow > 5.0

### Notes

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

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

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

Security information not publicly available.