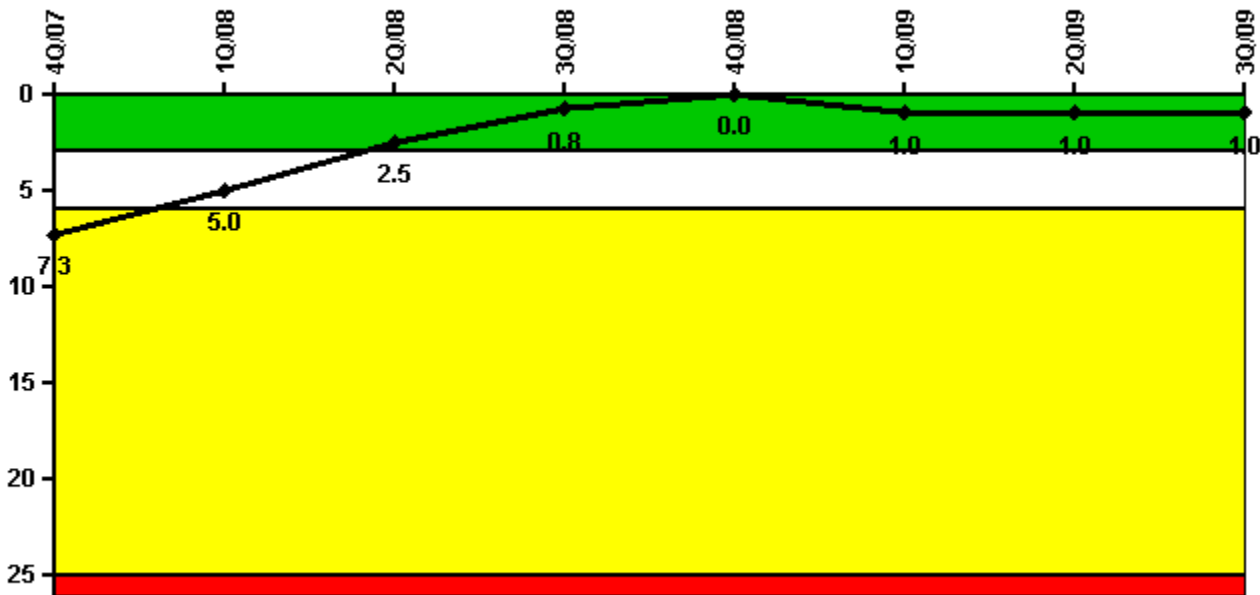


Browns Ferry 1

3Q/2009 Performance Indicators

Licensee's General Comments: 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.

Unplanned Scrams per 7000 Critical Hrs



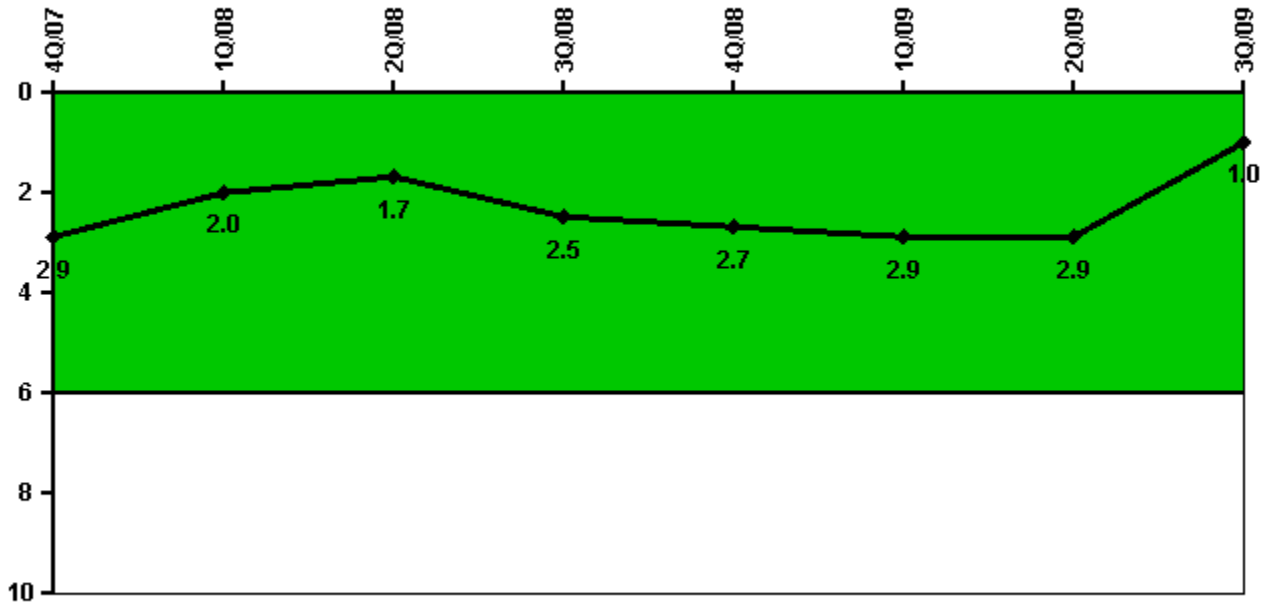
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	1.0	0	0	0	0	1.0	0	0
Critical hours	1877.4	2183.0	2184.0	2069.3	1322.9	1618.6	2184.0	2208.0
Indicator value	7.3	5.0	2.5	0.8	0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



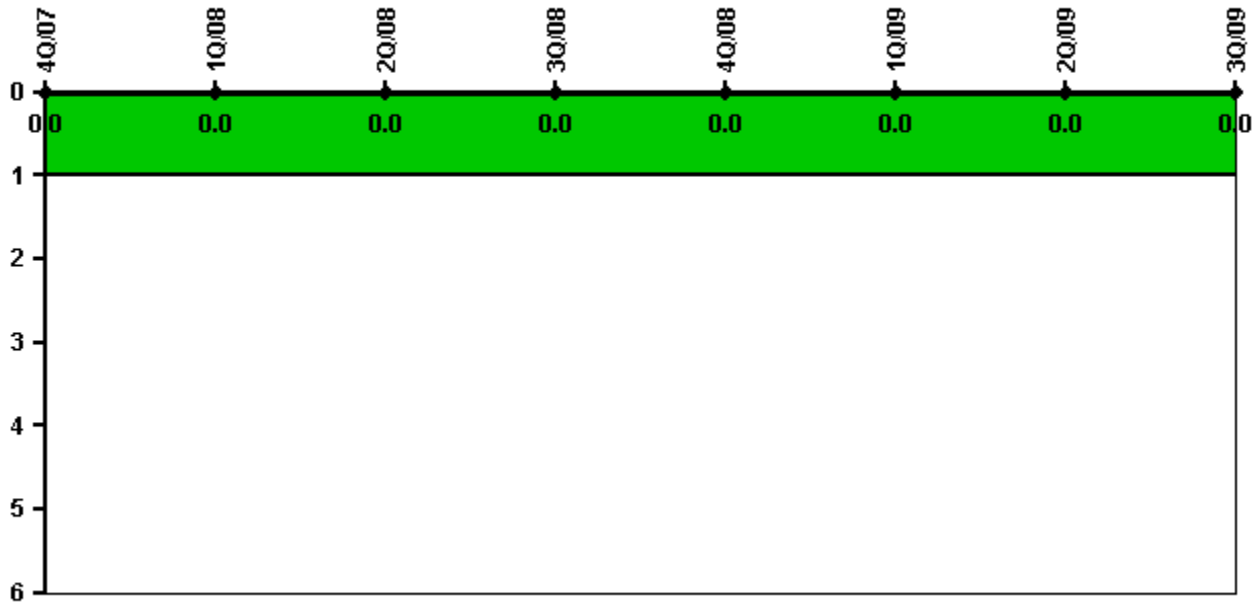
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	1.0	0	0	2.0	1.0	0	0	0
Critical hours	1877.4	2183.0	2184.0	2069.3	1322.9	1618.6	2184.0	2208.0
Indicator value	2.9	2.0	1.7	2.5	2.7	2.9	2.9	1.0

Licensee Comments: none

Unplanned Scrams with Complications



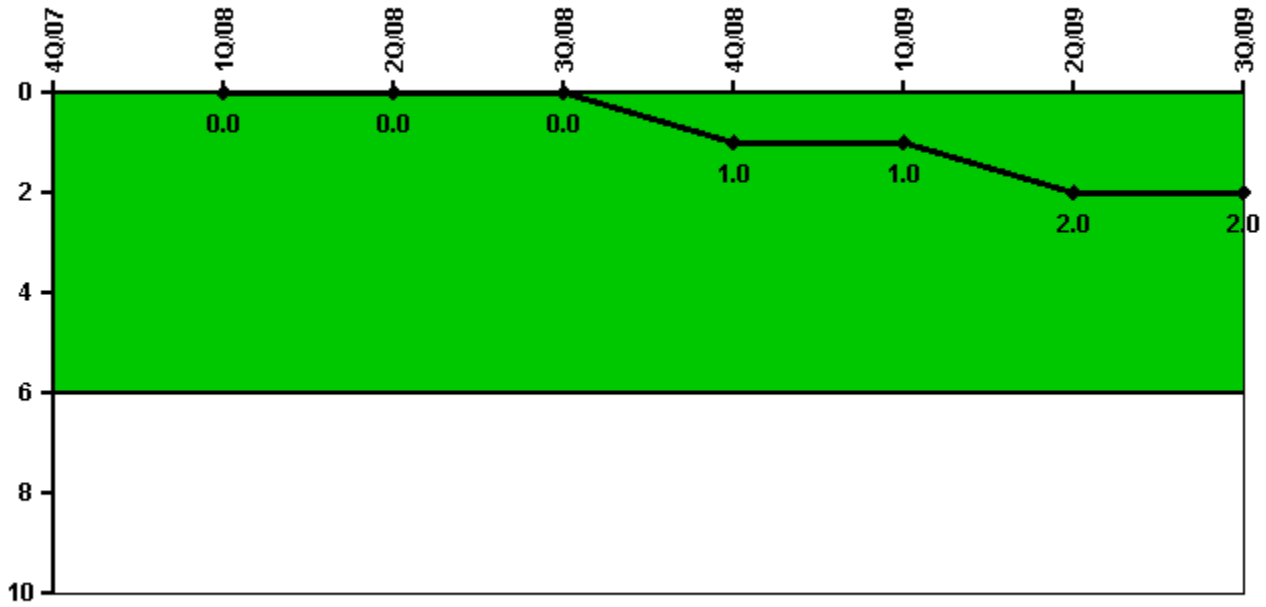
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (BWR)



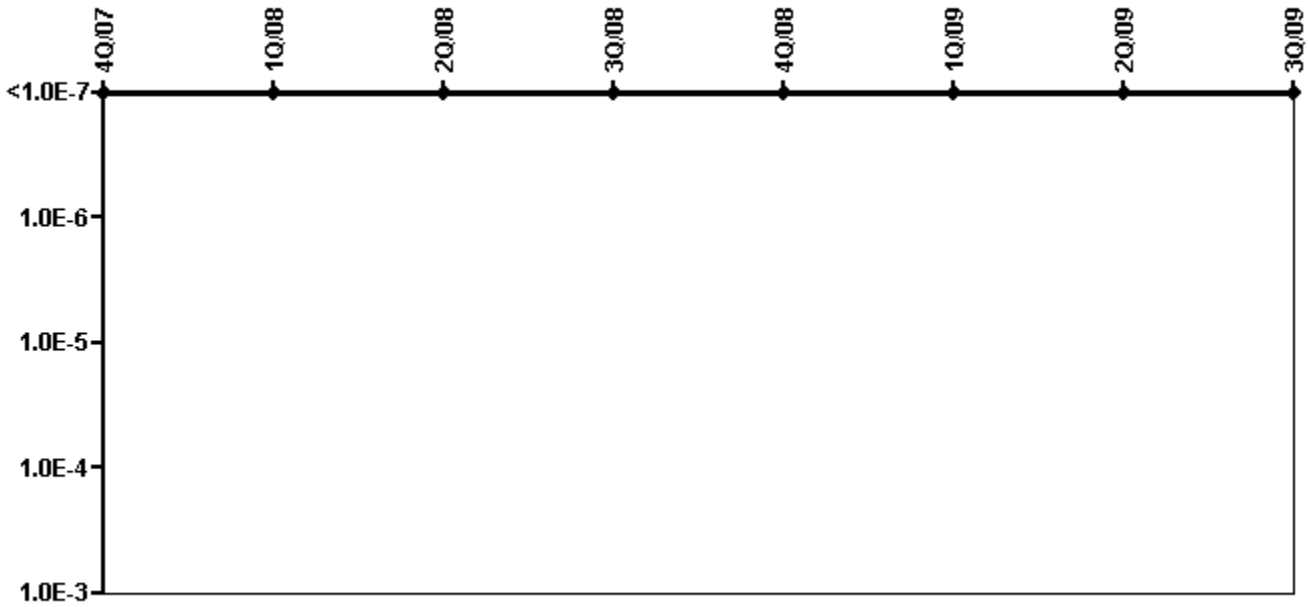
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	0	0	0	0	1	0	1	0
Indicator value		0	0	0	1	1	2	2

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



Thresholds:

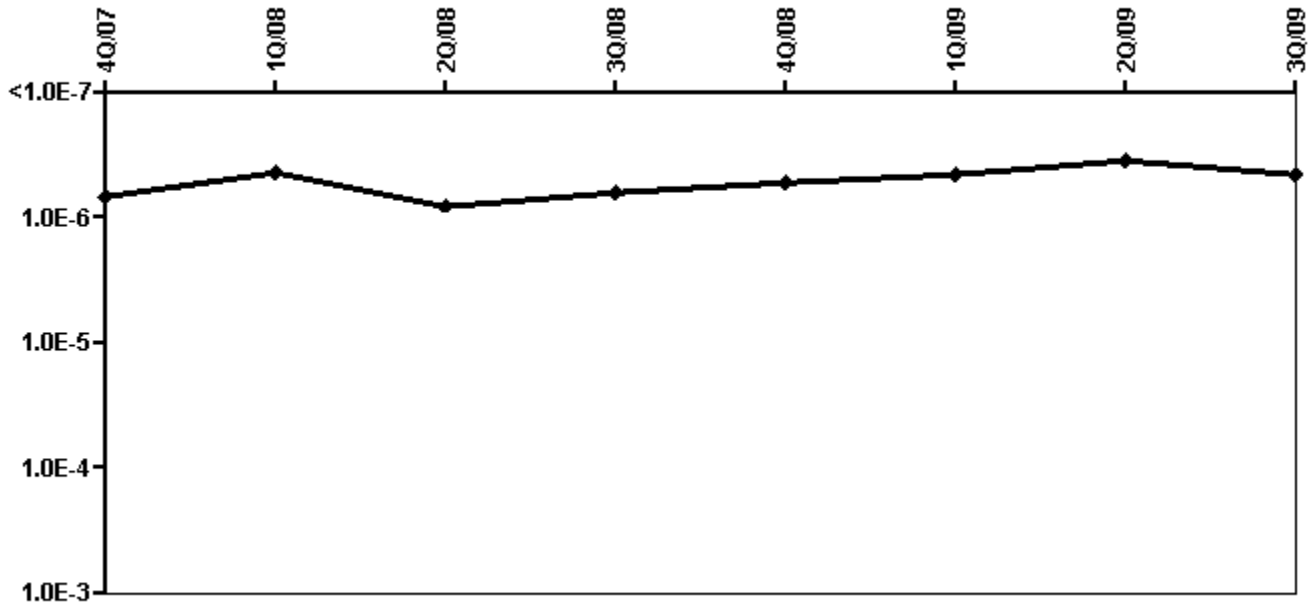
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-9.60E-09	-7.40E-09	4.50E-09	1.70E-09	1.50E-08	1.00E-08	1.40E-08	5.60E-09
URI (Δ CDF)	-1.10E-07	-8.50E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-9.24E-08	-8.05E-08	-8.33E-08	-7.00E-08	-7.50E-08	-7.10E-08	-7.94E-08

Licensee Comments:

2Q/07: 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.

Mitigating Systems Performance Index, High Pressure Injection System



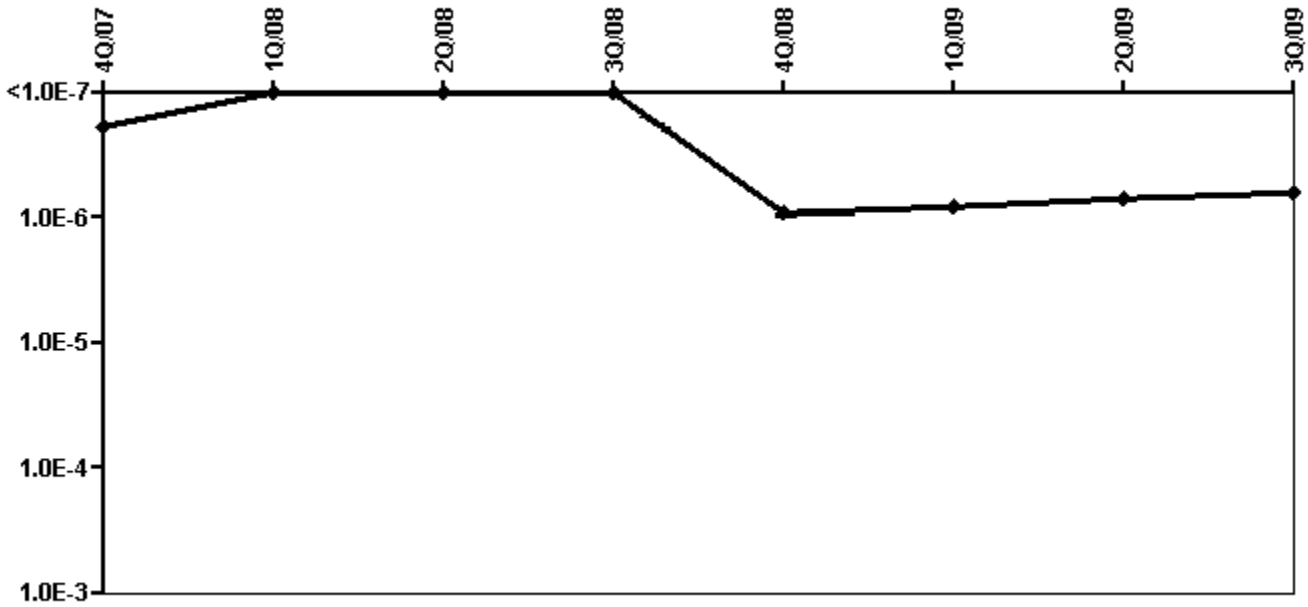
Thresholds:

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	7.10E-07	4.80E-07	8.70E-07	6.90E-07	6.00E-07	5.20E-07	4.30E-07	3.90E-07
URI (ΔCDF)	-2.40E-08	-3.20E-08	-4.30E-08	-5.00E-08	-5.70E-08	-6.20E-08	-6.80E-08	7.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.86E-07	4.48E-07	8.27E-07	6.40E-07	5.43E-07	4.58E-07	3.62E-07	4.67E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



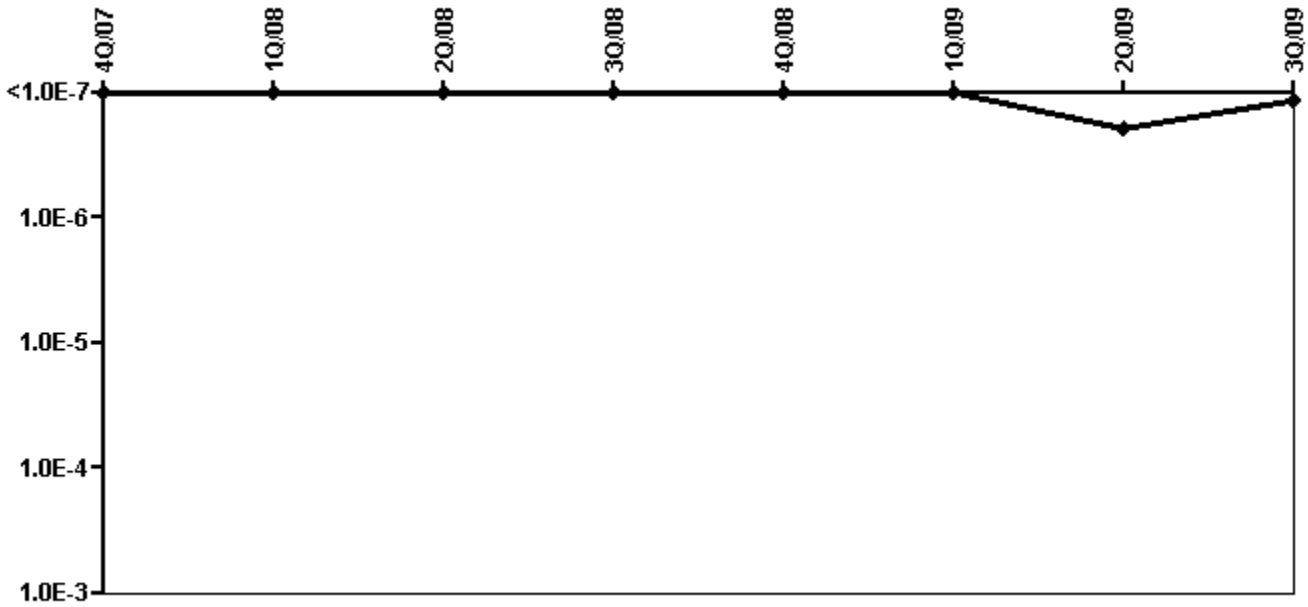
Thresholds:

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	2.30E-07	8.70E-08	1.00E-07	3.80E-08	4.40E-07	3.60E-07	2.80E-07	2.20E-07
URI (Δ CDF)	-3.80E-08	-5.00E-08	-6.20E-08	-7.30E-08	5.00E-07	4.70E-07	4.40E-07	4.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.92E-07	3.70E-08	3.80E-08	-3.50E-08	9.40E-07	8.30E-07	7.20E-07	6.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



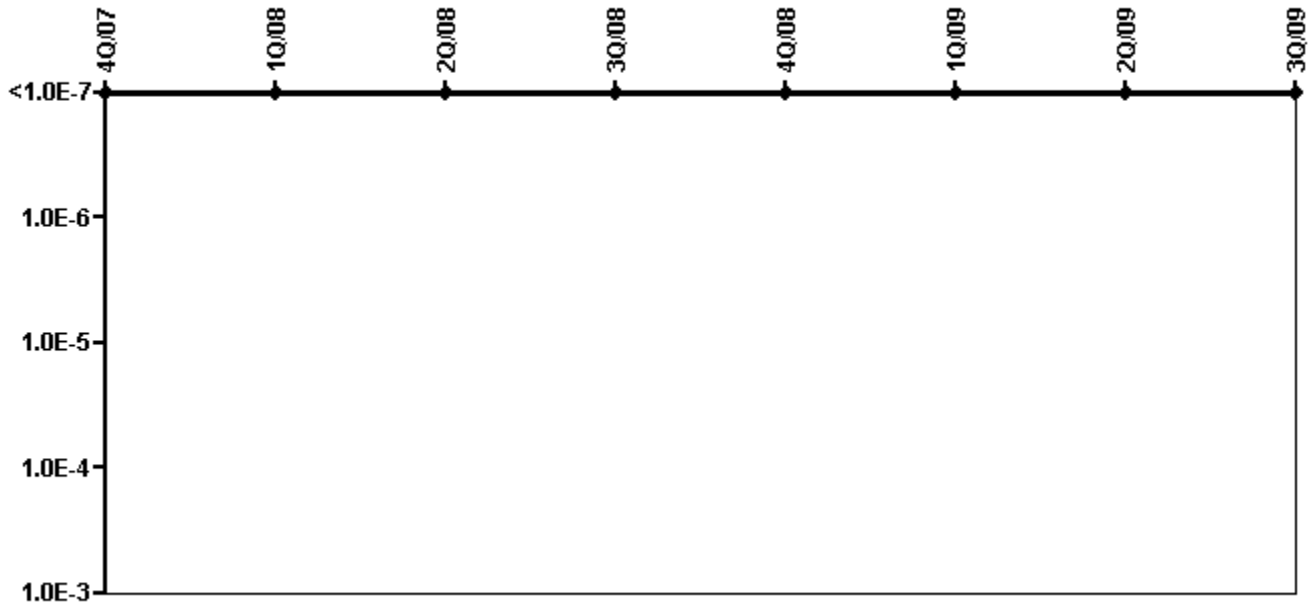
Thresholds:

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	2.00E-07	4.00E-08	-1.80E-08	1.50E-07	7.90E-08	2.40E-07	3.40E-07	2.70E-07
URI (Δ CDF)	-1.10E-07	-1.10E-07	-1.20E-07	-1.20E-07	-1.30E-07	-1.40E-07	-1.40E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.00E-08	-7.00E-08	-1.38E-07	3.00E-08	-5.10E-08	1.00E-07	2.00E-07	1.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



Thresholds:

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	4.90E-08	2.50E-08	3.00E-08	2.40E-08	1.90E-08	2.50E-08	2.30E-08	1.70E-08
URI (Δ CDF)	-1.60E-07	-1.60E-07	-1.40E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.11E-07	-1.35E-07	-1.10E-07	-1.06E-07	-1.11E-07	-1.05E-07	-1.07E-07	-1.13E-07

Licensee Comments:

3Q/09: Changed PRA Parameter(s).

2Q/09: Changed PRA Parameter(s). Unlocked to remove duplicate EECW pumps on U3 which results in duplicate demands, run times, and failures. See PER 200662. JAY 9/13/09

1Q/09: Changed PRA Parameter(s). PER 200364 Unlocked to remove duplicate EECW pumps on U3 which results in duplicate demands, run times, and failures. See PER 200662. JAY 9/13/09

4Q/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. Unlocked to remove duplicate EECW pumps on U3 which results in duplicate demands, run times, and failures. See PER 200662. JAY 9/13/09

3Q/08: Changed PRA Parameter(s). Unlocked to remove duplicate EECW pumps on U3 which results in duplicate demands, run times, and failures. See PER 200662. JAY 9/13/09

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. Unlocked to remove duplicate EECW pumps on U3 which results in duplicate demands, run times, and failures. See PER 200662. JAY 9/13/09

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. Unlocked to remove duplicate EECW pumps on U3 which results in duplicate demands, run times, and failures. See PER 200662. JAY 9/13/09

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. Unlocked to remove duplicate EECW pumps on U3 which results in duplicate demands, run times, and failures. See PER 200662. JAY 9/13/09

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. Unlocked to remove duplicate EECW pumps on U3 which results in duplicate demands, run times, and failures. See PER 200662. JAY 9/13/09

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. Unlocked to remove duplicate EECW pumps on U3 which results in duplicate demands, run times, and failures. See PER 200662. JAY 9/13/09

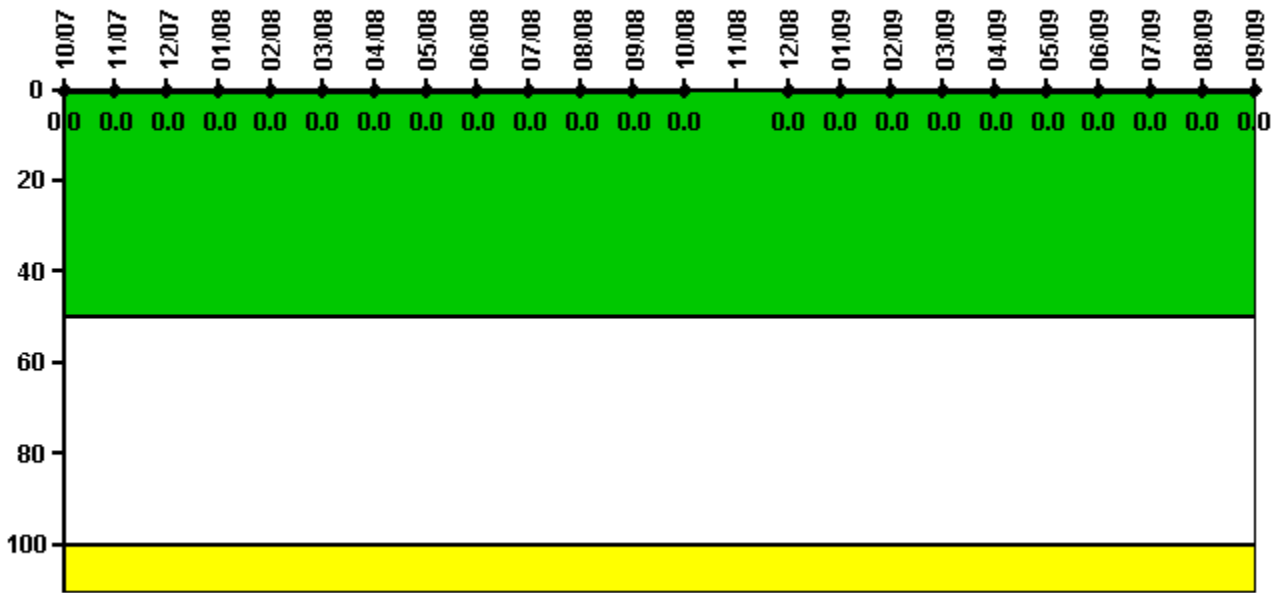
1Q/07: Changed PRA Parameter(s).

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

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

2Q/06: Changed PRA Parameter(s). Data unlocked to correct TM parameter (from 3.0 to 24.0) from beginning to future (PER 164005). mwo 3/30/09. Data unlocked to revise PRA parameters that were incorrectly entered in the database (CDF). Reference PER 148995 JAY 9/17/08 Data unlocked to remove duplicate U3 EECW Pumps. This is causing duplicate counts of reliability data. See PER 200662 JAY 9/13/09

Reactor Coolant System Activity



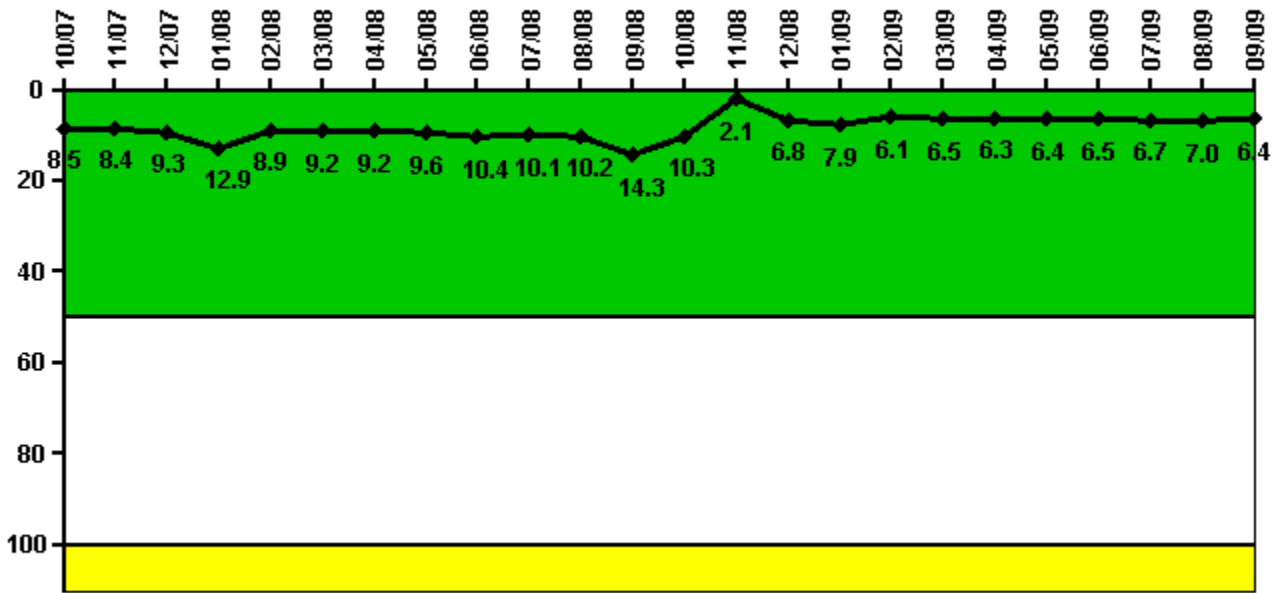
Thresholds: White > 50.0 Yellow > 100.0

Notes

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
Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	0.000064	N/A	0.000109	0.000062	0.000036	0.000091	0.000063	0.000046	0.000051	0.000039	0.000035	0.000061
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	N/A	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



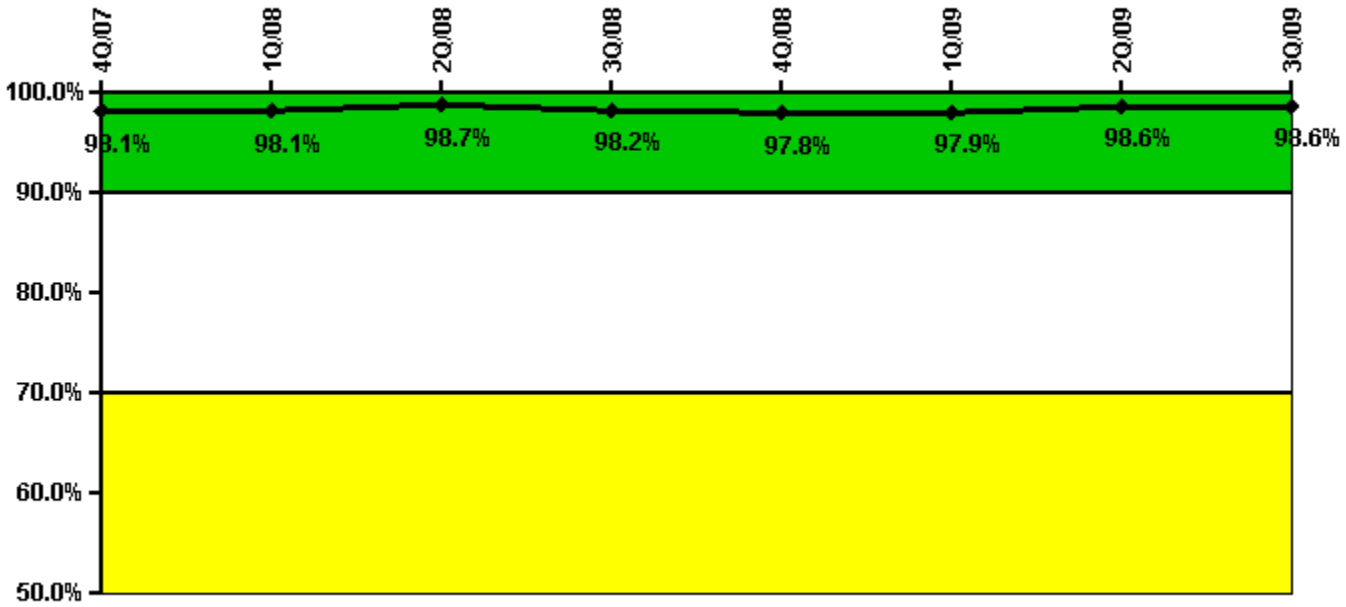
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/07	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
Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	3.100	0.630	2.030	2.380	1.840	1.940	1.890	1.910	1.940	2.000	2.090	1.920
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	10.3	2.1	6.8	7.9	6.1	6.5	6.3	6.4	6.5	6.7	7.0	6.4

Licensee Comments: none

Drill/Exercise Performance



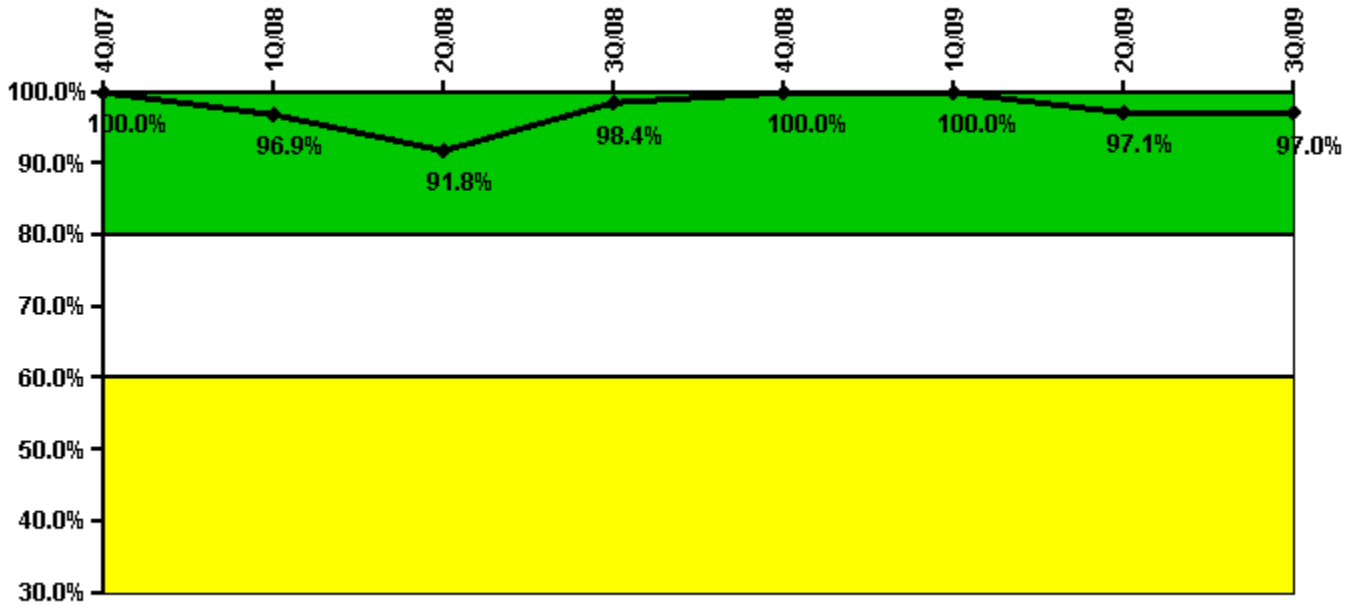
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	55.0	6.0	6.0	4.0	47.0	10.0	4.0	8.0
Total opportunities	56.0	6.0	6.0	4.0	48.0	10.0	4.0	8.0
Indicator value	98.1%	98.1%	98.7%	98.2%	97.8%	97.9%	98.6%	98.6%

Licensee Comments: none

ERO Drill Participation



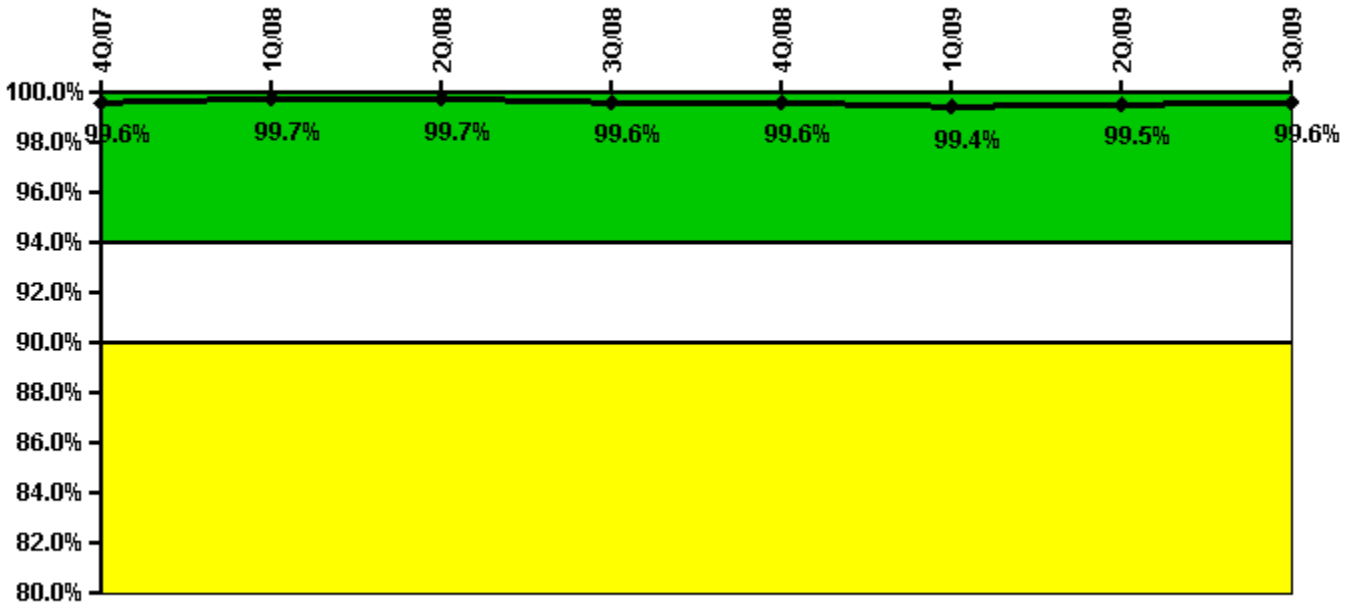
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	68.0	62.0	56.0	63.0	67.0	73.0	66.0	64.0
Total Key personnel	68.0	64.0	61.0	64.0	67.0	73.0	68.0	66.0
Indicator value	100.0%	96.9%	91.8%	98.4%	100.0%	100.0%	97.1%	97.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

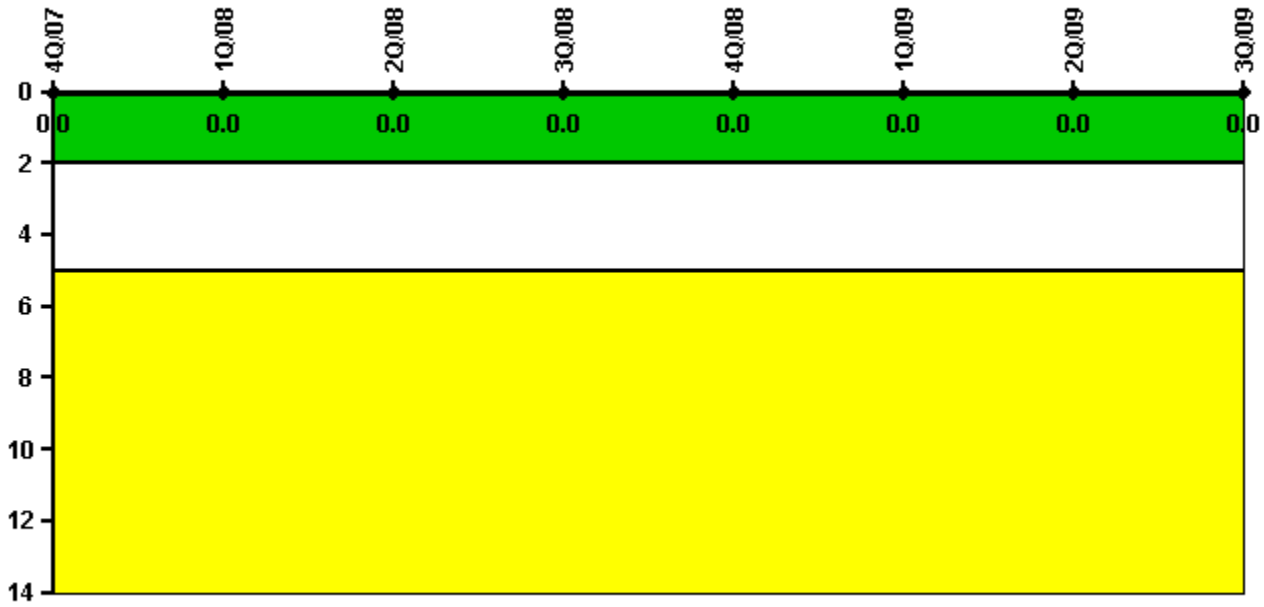
Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	698	999	596	994	597	994	600	897
Total sirens-tests	700	1000	600	1000	600	1000	600	900
Indicator value	99.6%	99.7%	99.7%	99.6%	99.6%	99.4%	99.5%	99.6%

Licensee Comments:

1Q/09: BFN PER 175237 - PI data for the 3rd silent test of the Alert and Notification System (ANS) sirens conducted for BFN during March 2009 was not submitted by EP for inclusion in the ANS Performance Indicator data base. The silent test had been conducted with 100% results.

Occupational Exposure Control Effectiveness



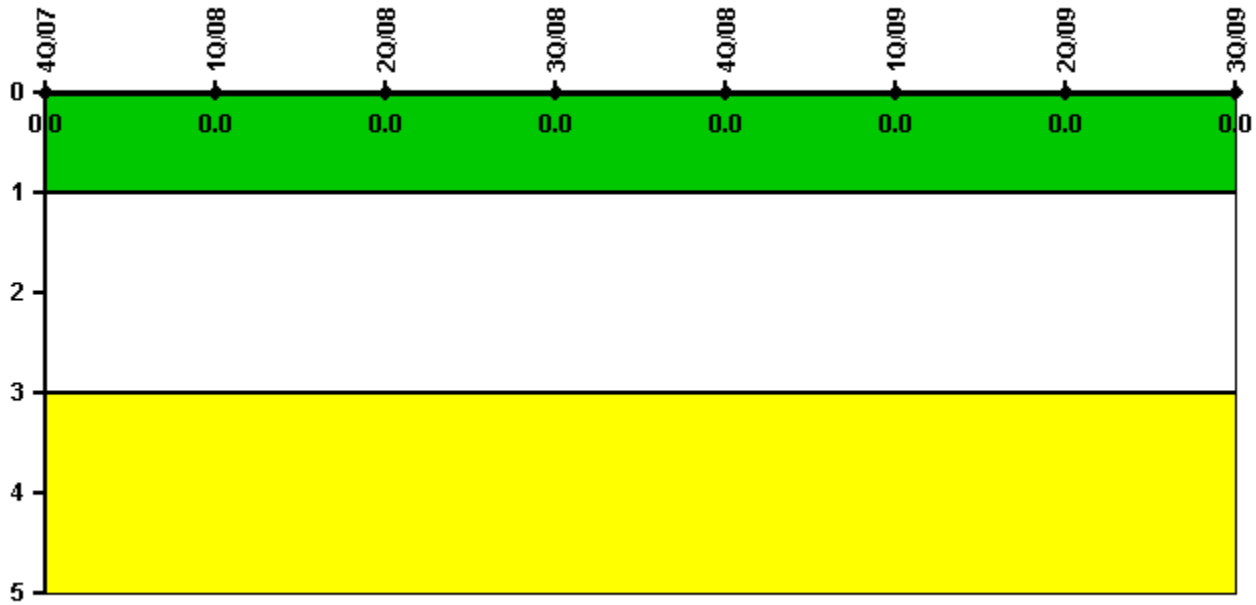
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
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.