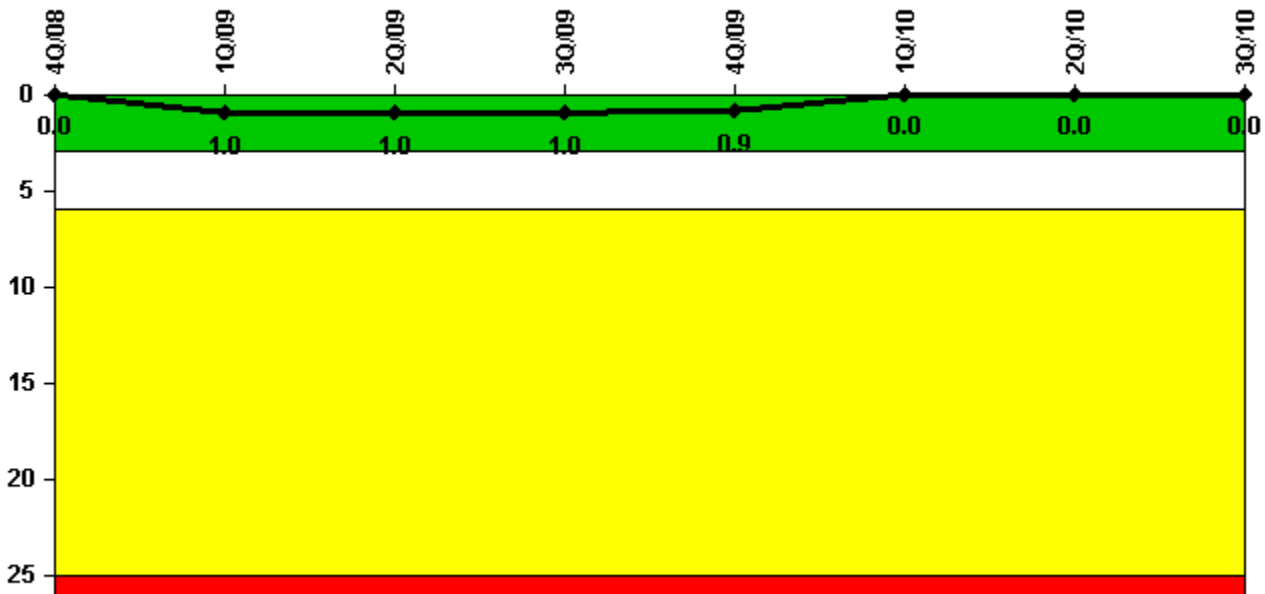


Browns Ferry 1

3Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



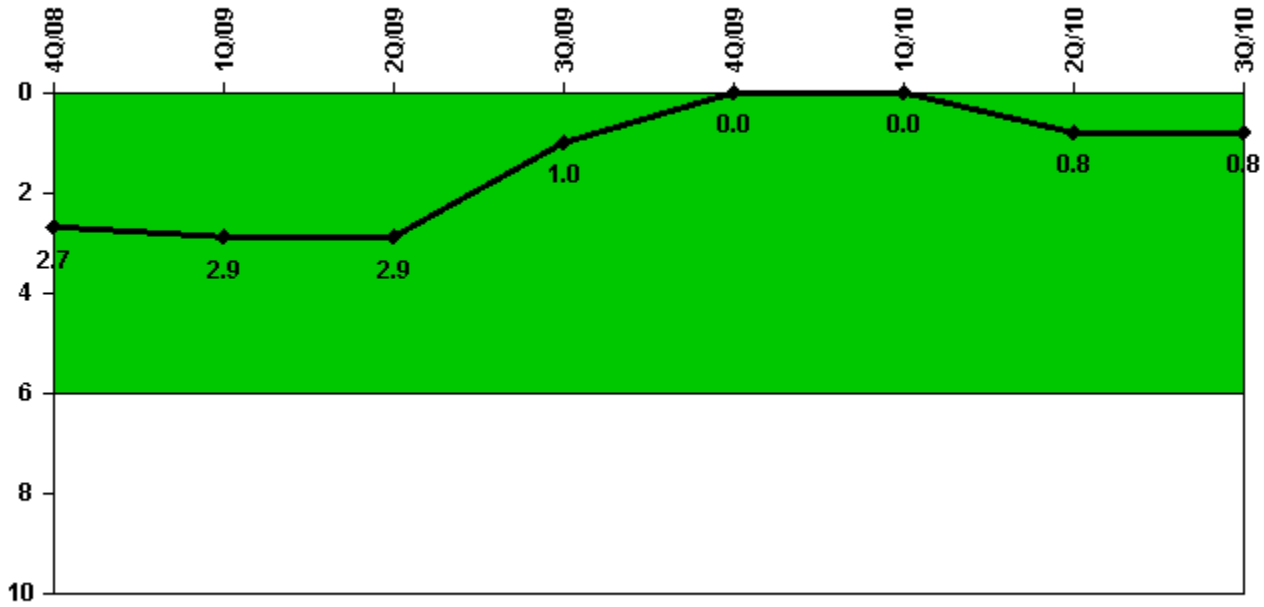
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	1322.9	1618.6	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0	1.0	1.0	1.0	0.9	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	1.0	0	0	0	0	0	1.0	0
Critical hours	1322.9	1618.6	2184.0	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	2.7	2.9	2.9	1.0	0	0	0.8	0.8

Licensee Comments: none

Unplanned Scrams with Complications



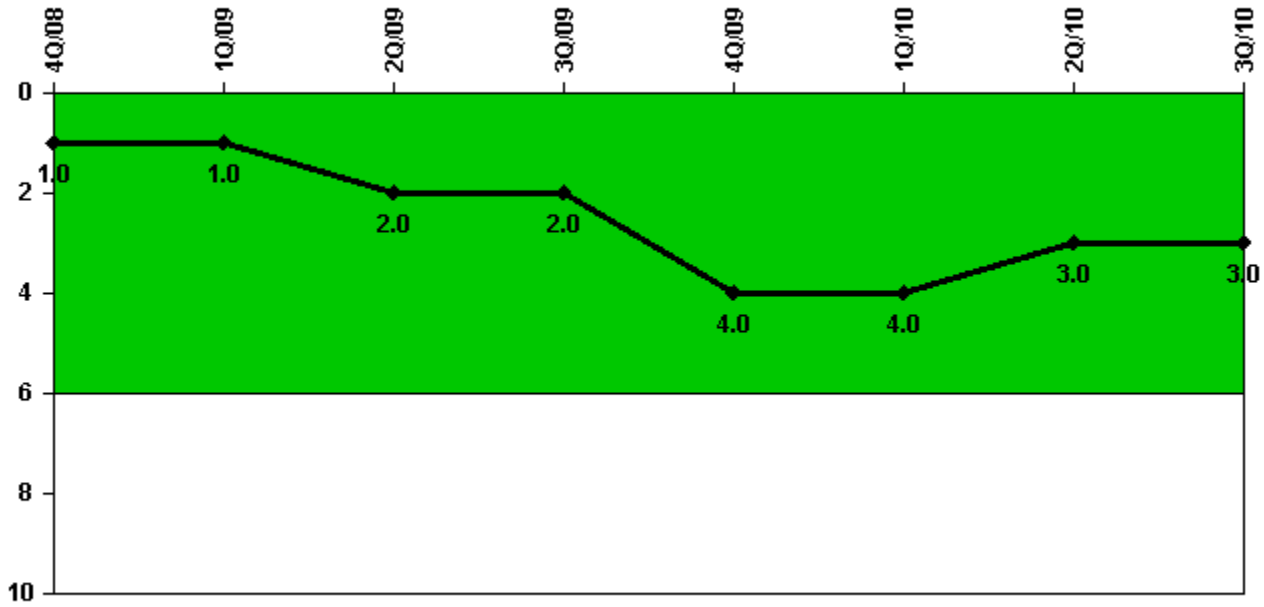
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
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)



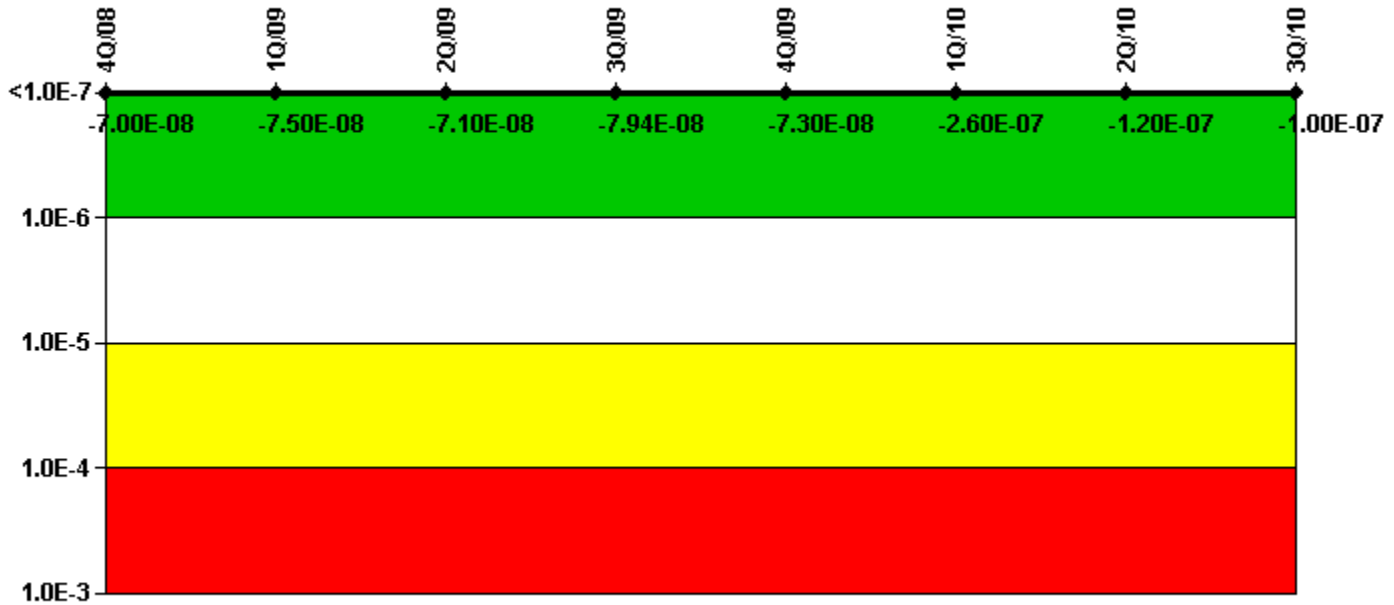
Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Safety System Functional Failures	1	0	1	0	3	0	0	0
Indicator value	1	1	2	2	4	4	3	3

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

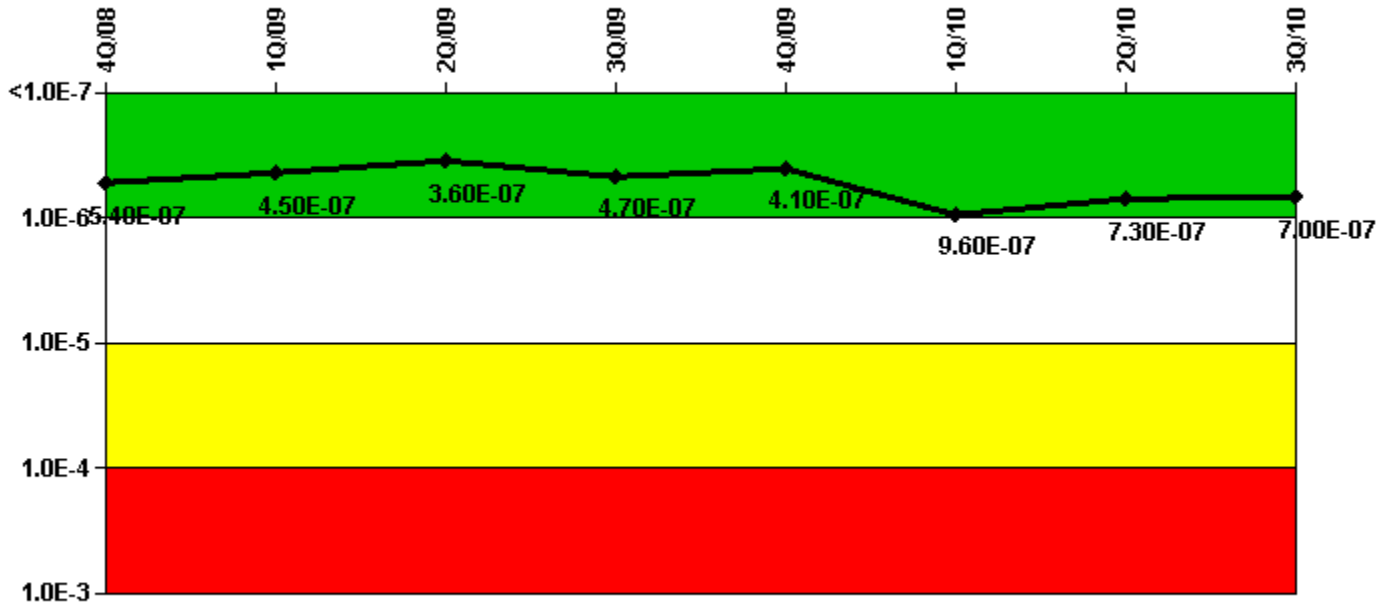
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	1.50E-08	1.00E-08	1.40E-08	5.60E-09	1.10E-08	1.49E-07	1.49E-07	1.68E-07
URI (Δ CDF)	-8.50E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.40E-08	-4.07E-07	-2.70E-07	-2.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.00E-08	-7.50E-08	-7.10E-08	-7.94E-08	-7.30E-08	-2.60E-07	-1.20E-07	-1.00E-07

Licensee Comments:

2Q/10: 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.

Mitigating Systems Performance Index, High Pressure Injection System



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

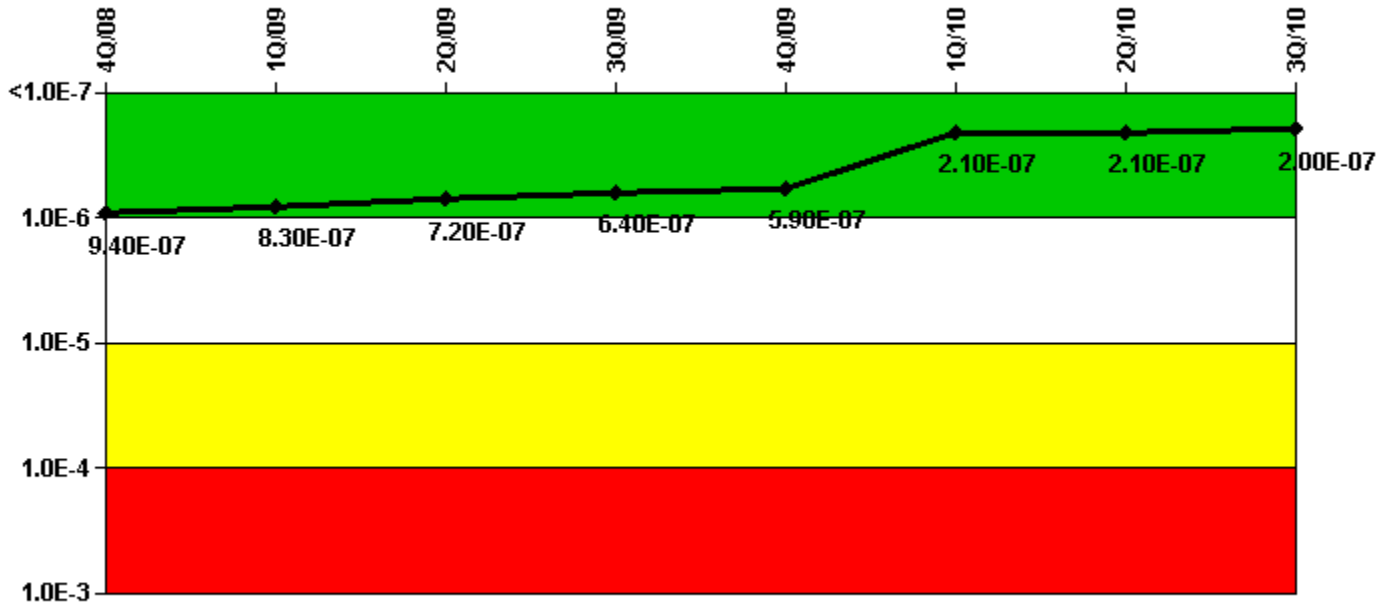
Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	6.01E-07	5.17E-07	4.30E-07	3.94E-07	3.38E-07	7.97E-07	5.65E-07	5.38E-07
URI (ΔCDF)	-5.78E-08	-6.39E-08	-6.96E-08	7.97E-08	7.45E-08	1.64E-07	1.61E-07	1.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.40E-07	4.50E-07	3.60E-07	4.70E-07	4.10E-07	9.60E-07	7.30E-07	7.00E-07

Licensee Comments:

3Q/10: HPCI and RCIC operational demands changed to estimates from actuals for all 3 units.

Mitigating Systems Performance Index, Heat Removal System



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

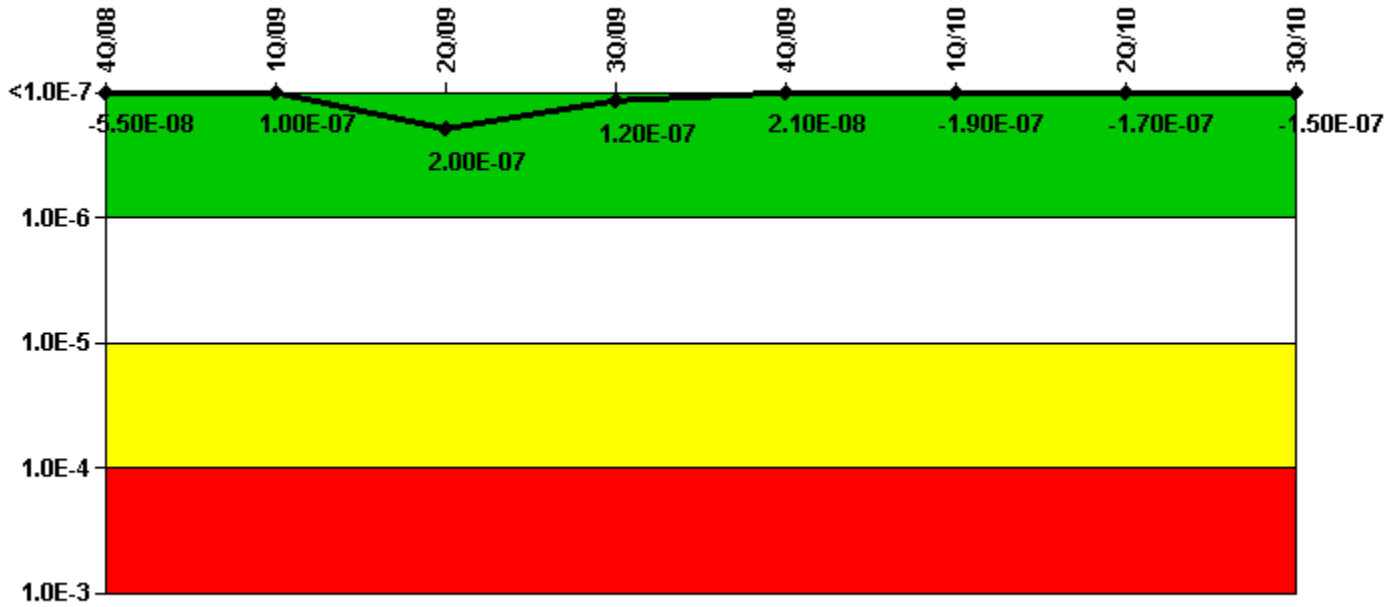
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	4.40E-07	3.60E-07	2.80E-07	2.20E-07	1.90E-07	6.79E-08	6.25E-08	6.22E-08
URI (Δ CDF)	5.00E-07	4.70E-07	4.40E-07	4.20E-07	4.00E-07	1.46E-07	1.43E-07	1.42E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.40E-07	8.30E-07	7.20E-07	6.40E-07	5.90E-07	2.10E-07	2.10E-07	2.00E-07

Licensee Comments:

3Q/10: HPCI and RCIC operational demands changed to estimates from actuals for all 3 units.

Mitigating Systems Performance Index, Residual Heat Removal System



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

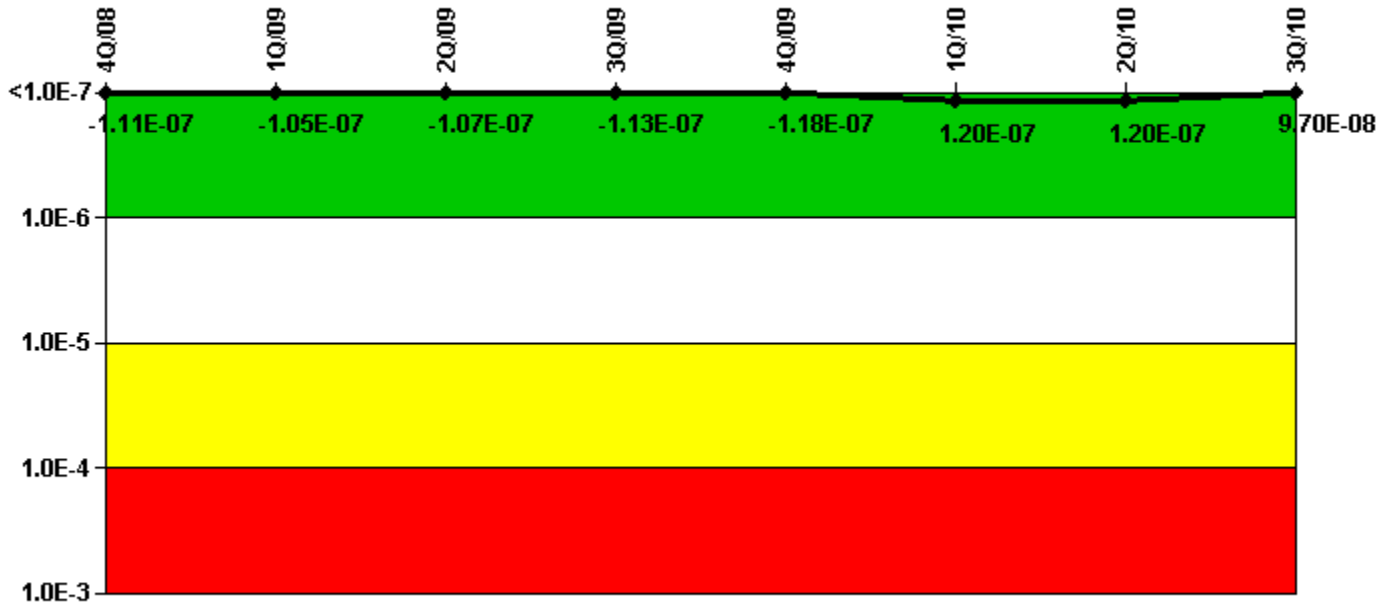
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	$7.92E-08$	$2.44E-07$	$3.44E-07$	$2.68E-07$	$1.68E-07$	$6.63E-09$	$6.78E-09$	$2.26E-08$
URI (Δ CDF)	$-1.34E-07$	$-1.41E-07$	$-1.44E-07$	$-1.47E-07$	$-1.47E-07$	$-1.95E-07$	$-1.78E-07$	$-1.76E-07$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$-5.50E-08$	$1.00E-07$	$2.00E-07$	$1.20E-07$	$2.10E-08$	$-1.90E-07$	$-1.70E-07$	$-1.50E-07$

Licensee Comments:

3Q/10: RHR operational demands and test demands changed to estimates from actuals for all 3 units.

Mitigating Systems Performance Index, Cooling Water Systems



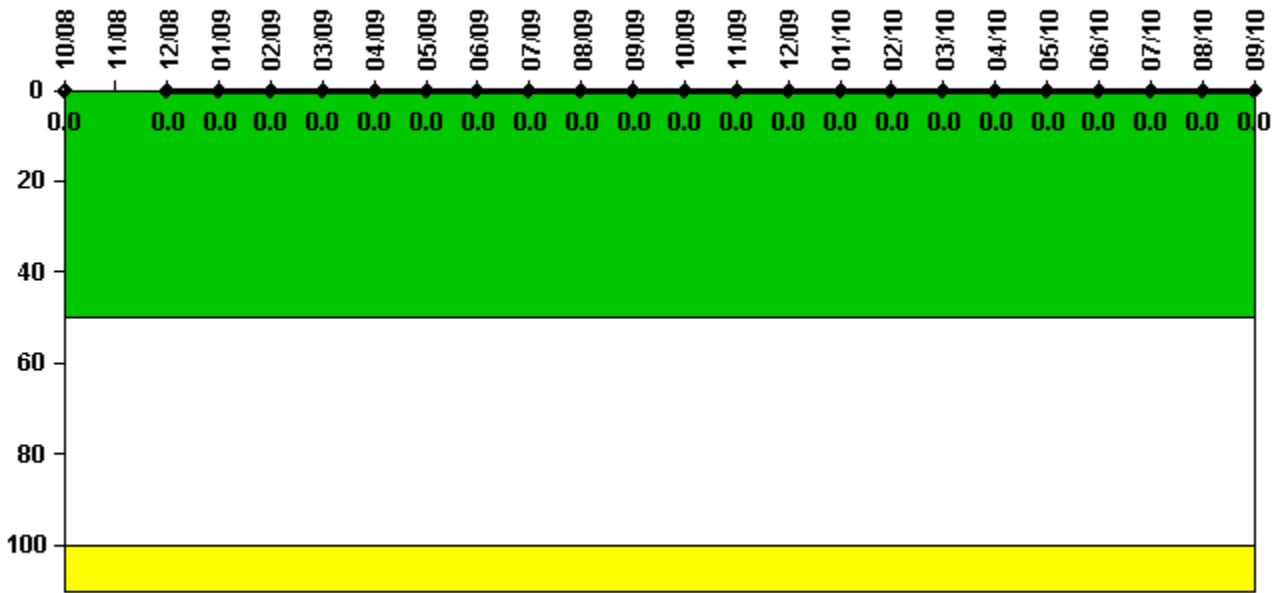
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	1.90E-08	2.50E-08	2.30E-08	1.70E-08	1.20E-08	6.21E-08	5.72E-08	5.35E-08
URI (Δ CDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	5.99E-08	5.99E-08	4.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.11E-07	-1.05E-07	-1.07E-07	-1.13E-07	-1.18E-07	1.20E-07	1.20E-07	9.70E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

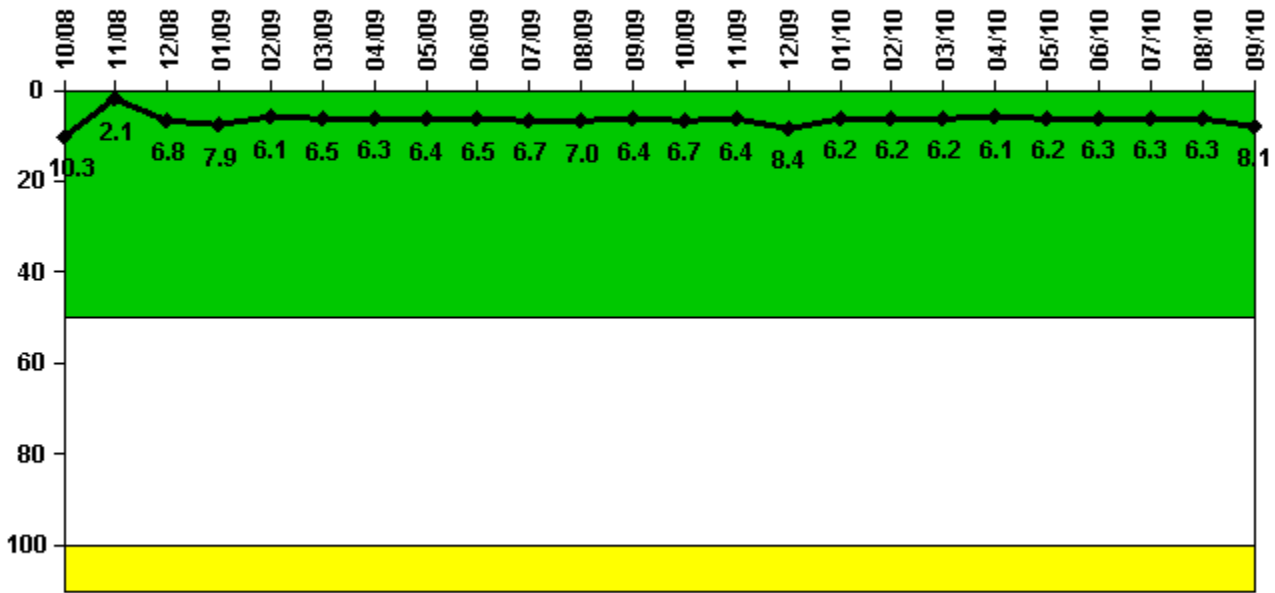
Notes

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

Reactor Coolant System Activity	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	0.000046	0.000068	0.000078	0.000097	0.000086	0.000086	0.000052	0.000046	0.000044	0.000049	0.000046	0.000103
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



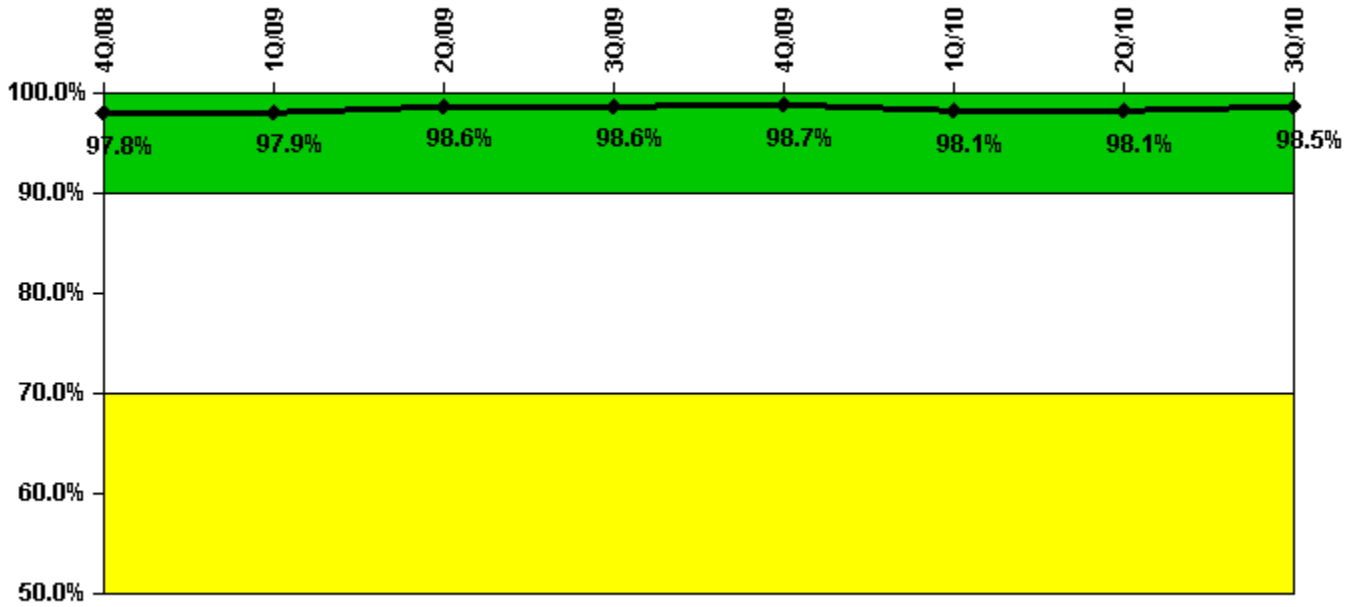
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/08	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
Reactor Coolant System Leakage	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	2.010	1.930	2.510	1.860	1.860	1.860	1.840	1.870	1.890	1.890	1.900	2.430
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	6.7	6.4	8.4	6.2	6.2	6.2	6.1	6.2	6.3	6.3	6.3	8.1

Licensee Comments: none

Drill/Exercise Performance



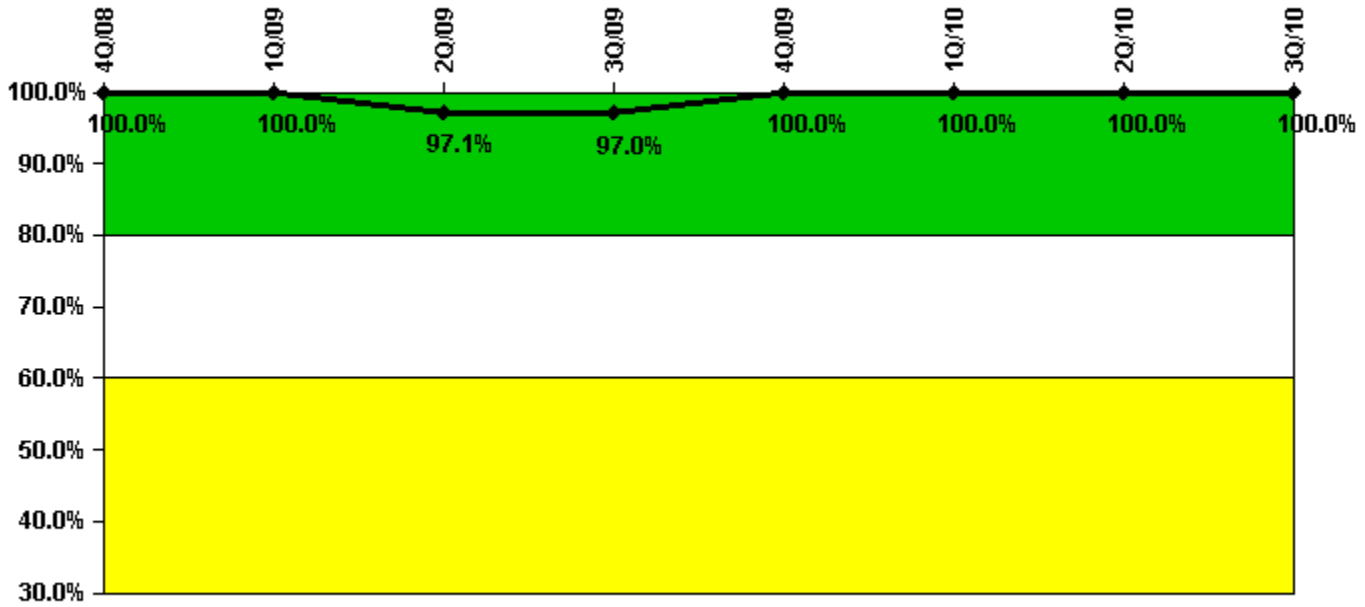
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	47.0	10.0	4.0	8.0	71.0	5.0	8.0	50.0
Total opportunities	48.0	10.0	4.0	8.0	72.0	6.0	8.0	50.0
Indicator value	97.8%	97.9%	98.6%	98.6%	98.7%	98.1%	98.1%	98.5%

Licensee Comments: none

ERO Drill Participation



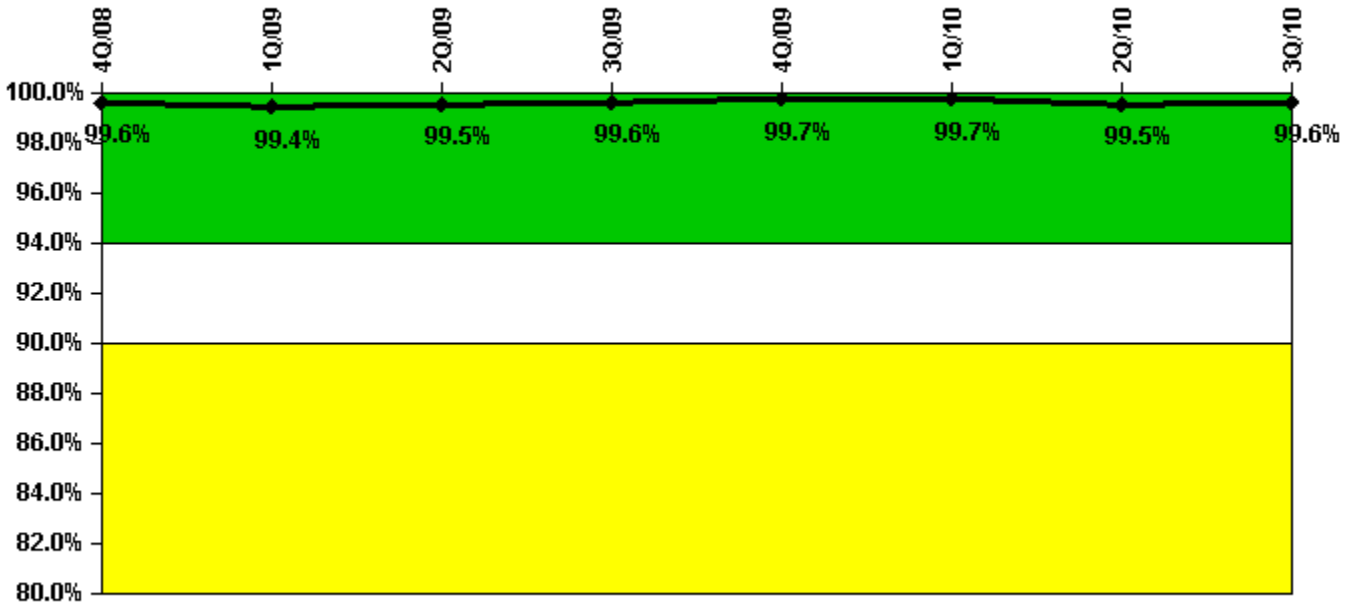
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	67.0	73.0	66.0	64.0	69.0	72.0	73.0	73.0
Total Key personnel	67.0	73.0	68.0	66.0	69.0	72.0	73.0	73.0
Indicator value	100.0%	100.0%	97.1%	97.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



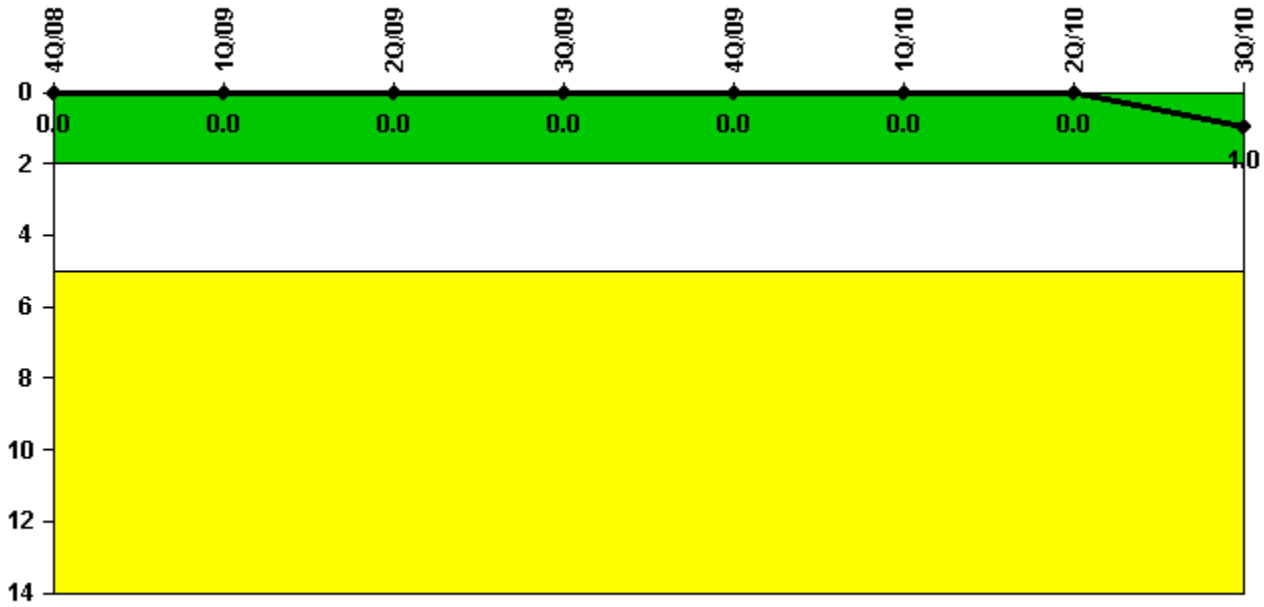
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	597	994	600	897	698	897	693	898
Total sirens-tests	600	1000	600	900	700	900	700	900
Indicator value	99.6%	99.4%	99.5%	99.6%	99.7%	99.7%	99.5%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
High radiation area occurrences	0	0	0	0	0	0	0	1
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	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
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.