

Indian Point 3

3Q/2009 Performance Indicators

Licensee's General Comments: IE01: The PI for Unplanned Scrams per 7000 Critical Hours entered the White Band due to two scrams in the 3Q09 resulting in a total of 4 scrams which exceeded the PI limit of greater than 3.0. PI IE01 was carrying two previous scrams from 2Q09. The reactor scrams for the 3Q09 included: A scram on August 10, 2009, due to a Turbine-Generator trip from a lightning induced trip signal, and a scram on August 28, 2009, due to a main turbine trip caused by a turbine autostop oil fitting failure.

Unplanned Scrams per 7000 Critical Hrs



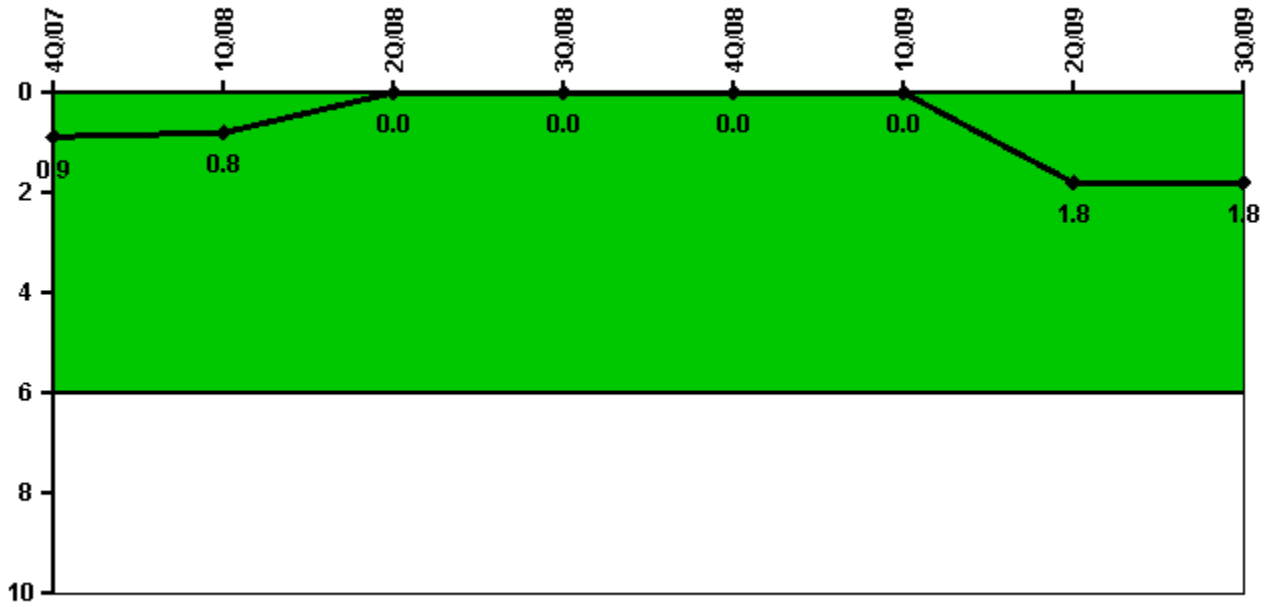
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	0	2.0	2.0
Critical hours	2209.0	2183.0	2184.0	2208.0	2209.0	1655.0	1714.7	2139.4
Indicator value	1.8	1.7	0	0	0	0	1.8	3.6

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	0	0	0	0	0	0	2.0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	2209.0	1655.0	1714.7	2139.4
Indicator value	0.9	0.8	0	0	0	0	1.8	1.8

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

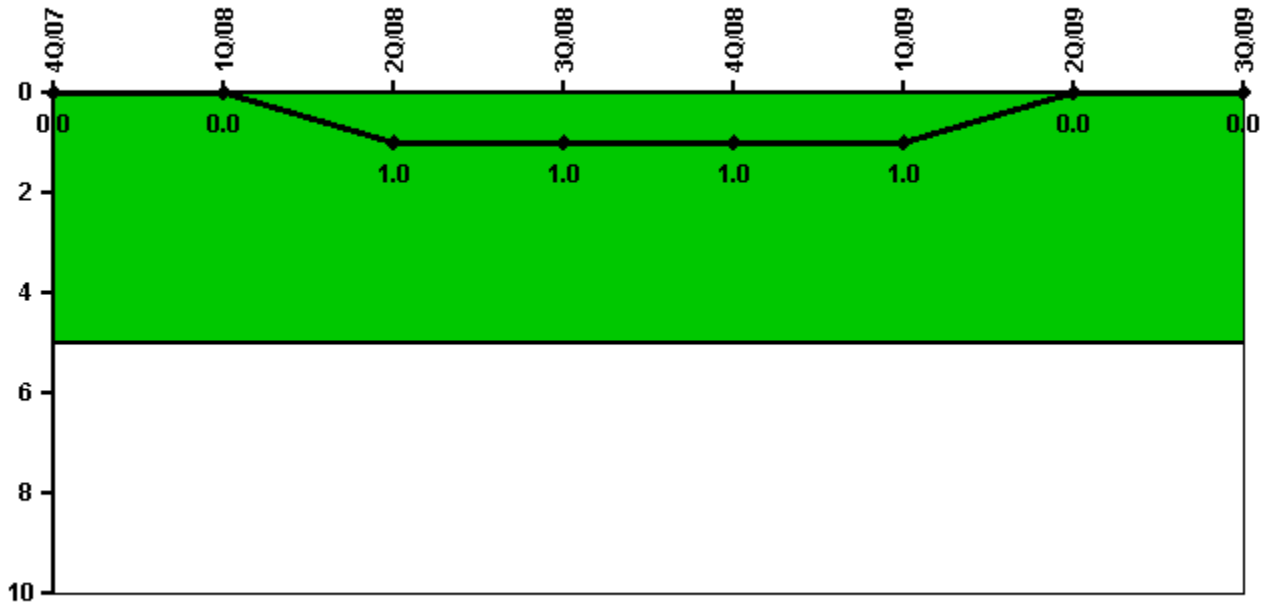
Notes

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 (PWR)



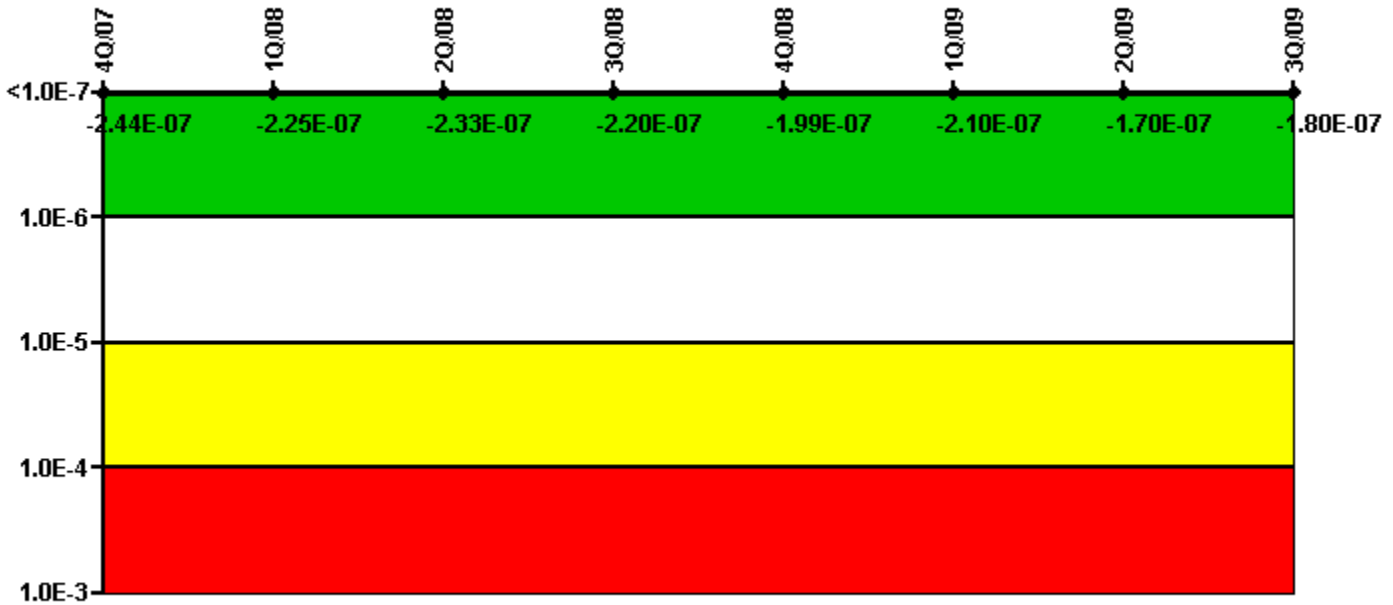
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



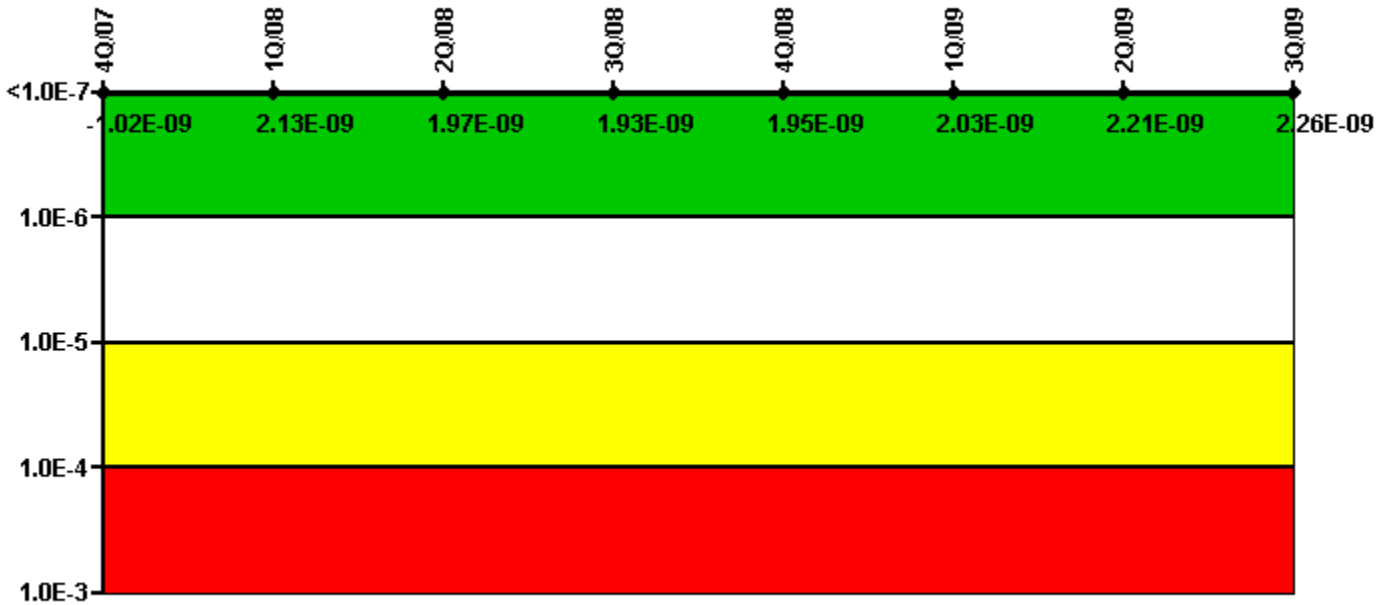
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	5.60E-08	6.50E-08	5.70E-08	7.00E-08	9.10E-08	1.00E-07	1.40E-07	1.40E-07
URI (Δ CDF)	-3.00E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-3.10E-07	-3.10E-07	-3.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.44E-07	-2.25E-07	-2.33E-07	-2.20E-07	-1.99E-07	-2.10E-07	-1.70E-07	-1.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



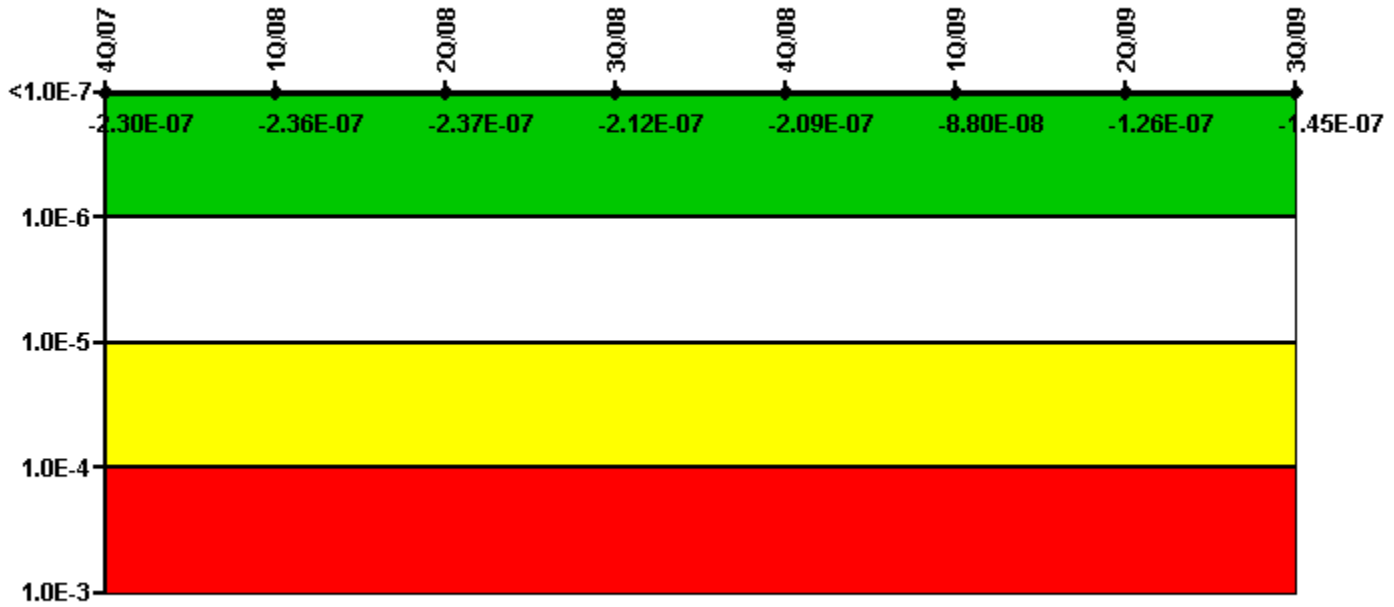
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	$2.80E-10$	$3.30E-10$	$2.70E-10$	$1.30E-10$	$5.20E-11$	$2.30E-10$	$3.10E-10$	$5.90E-11$
URI (Δ CDF)	$-1.30E-09$	$1.80E-09$	$1.70E-09$	$1.80E-09$	$1.90E-09$	$1.80E-09$	$1.90E-09$	$2.20E-09$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$-1.02E-09$	$2.13E-09$	$1.97E-09$	$1.93E-09$	$1.95E-09$	$2.03E-09$	$2.21E-09$	$2.26E-09$

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



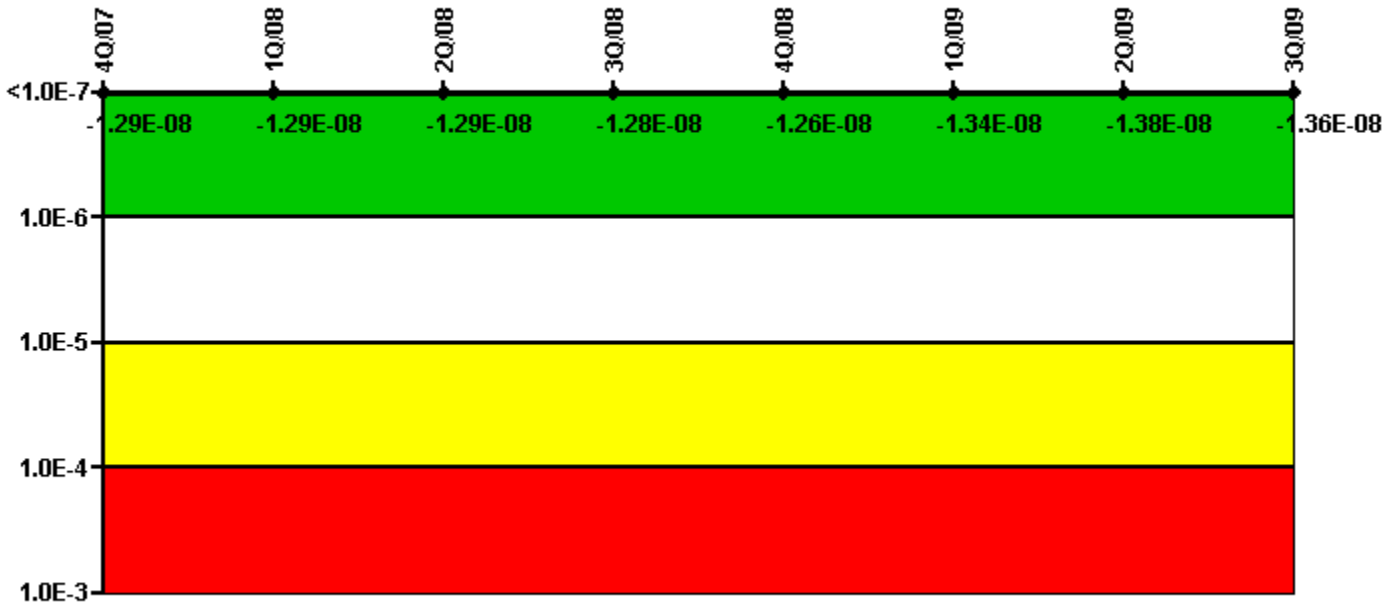
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-9.60E-09	-1.60E-08	-1.70E-08	-2.10E-09	5.40E-10	-1.10E-08	-1.60E-08	-2.50E-08
URI (Δ CDF)	-2.20E-07	-2.20E-07	-2.20E-07	-2.10E-07	-2.10E-07	-7.70E-08	-1.10E-07	-1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.30E-07	-2.36E-07	-2.37E-07	-2.12E-07	-2.09E-07	-8.80E-08	-1.26E-07	-1.45E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



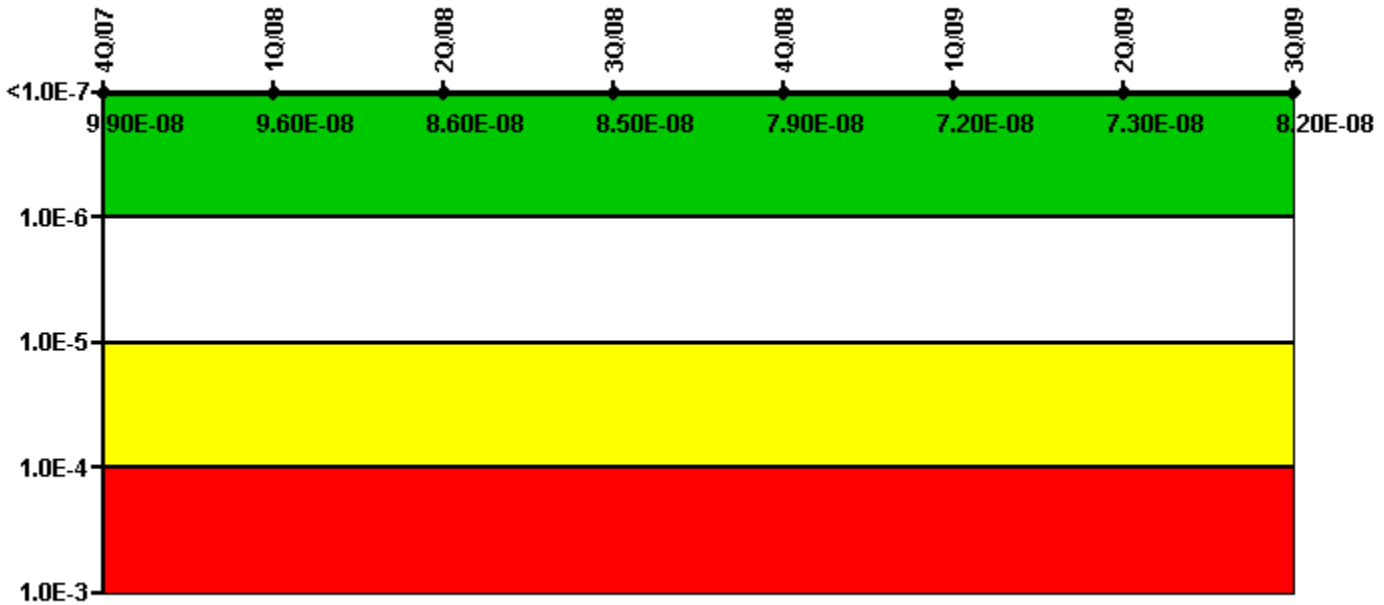
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-8.90E-09	-9.00E-09	-9.00E-09	-9.00E-09	-9.00E-09	-8.90E-09	-8.70E-09	-8.50E-09
URI (Δ CDF)	-4.00E-09	-3.90E-09	-3.90E-09	-3.80E-09	-3.60E-09	-4.50E-09	-5.10E-09	-5.10E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.29E-08	-1.29E-08	-1.29E-08	-1.28E-08	-1.26E-08	-1.34E-08	-1.38E-08	-1.36E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



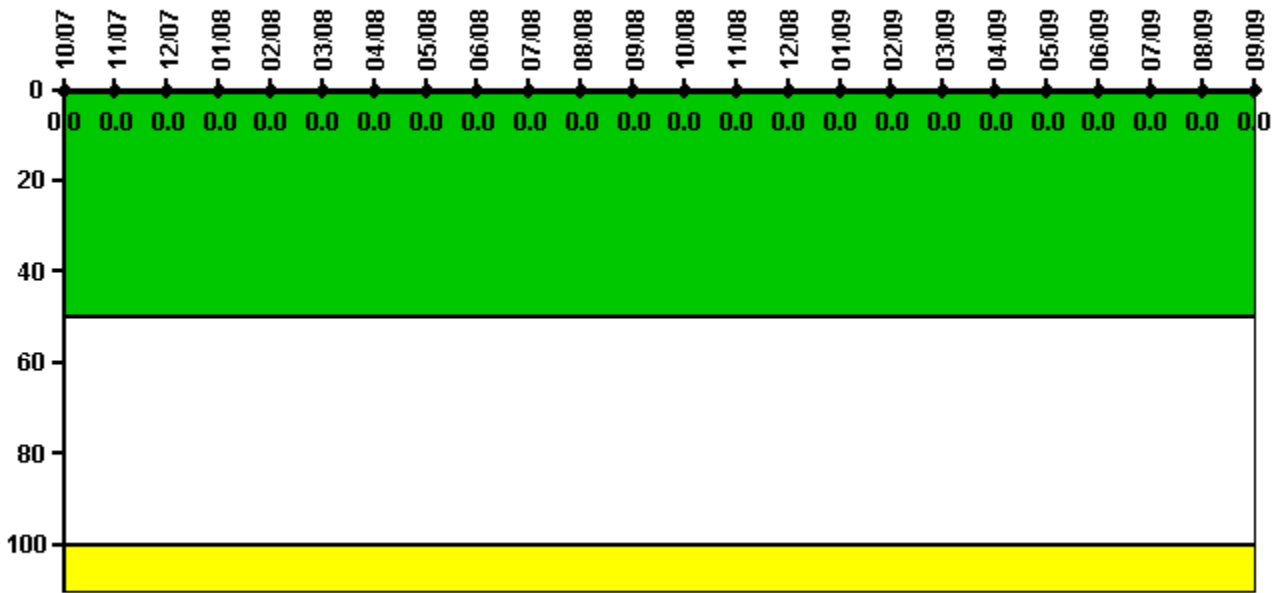
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	7.50E-08	7.10E-08	6.10E-08	6.00E-08	5.40E-08	4.70E-08	5.10E-08	6.00E-08
URI (Δ CDF)	2.40E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.20E-08	2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.90E-08	9.60E-08	8.60E-08	8.50E-08	7.90E-08	7.20E-08	7.30E-08	8.20E-08

Licensee Comments: none

Reactor Coolant System Activity



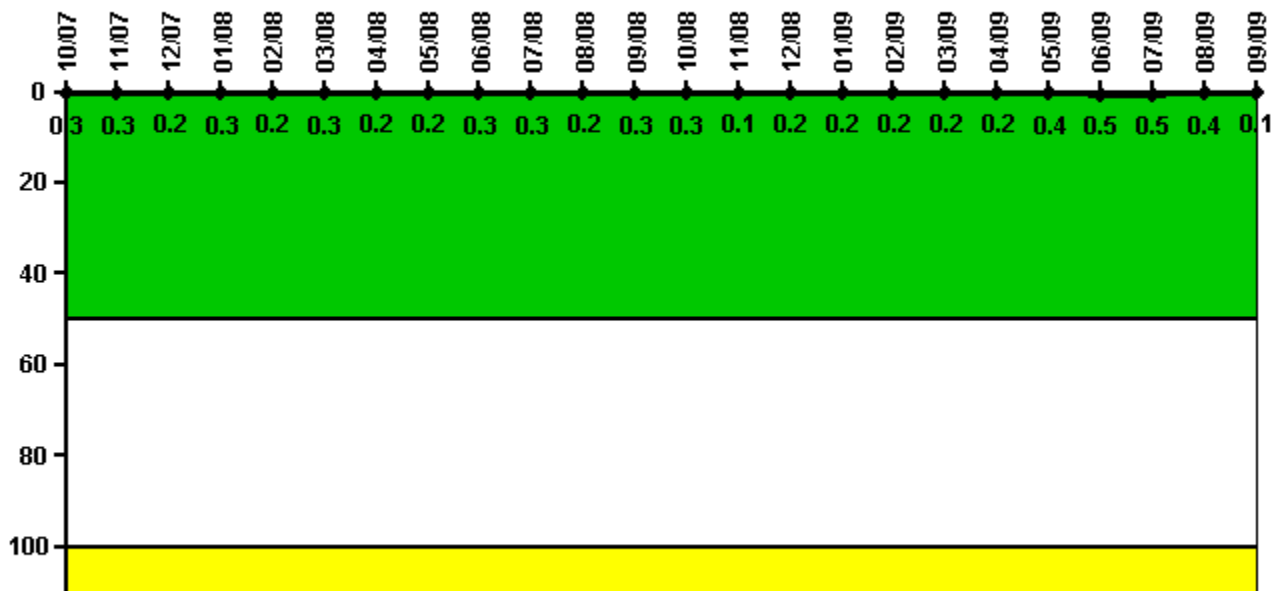
Thresholds: White > 50.0 Yellow > 100.0

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	0.000168	0.000185	0.000170	0.000157	0.000172	0.000197	0.000216	0.000397	0.000227	0.000257	0.000236	0.000228
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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	0.000215	0.000236	0.000239	0.000237	0.000248	0.000231	0.000145	0.000127	0.000124	0.000151	0.000153	0.000157
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



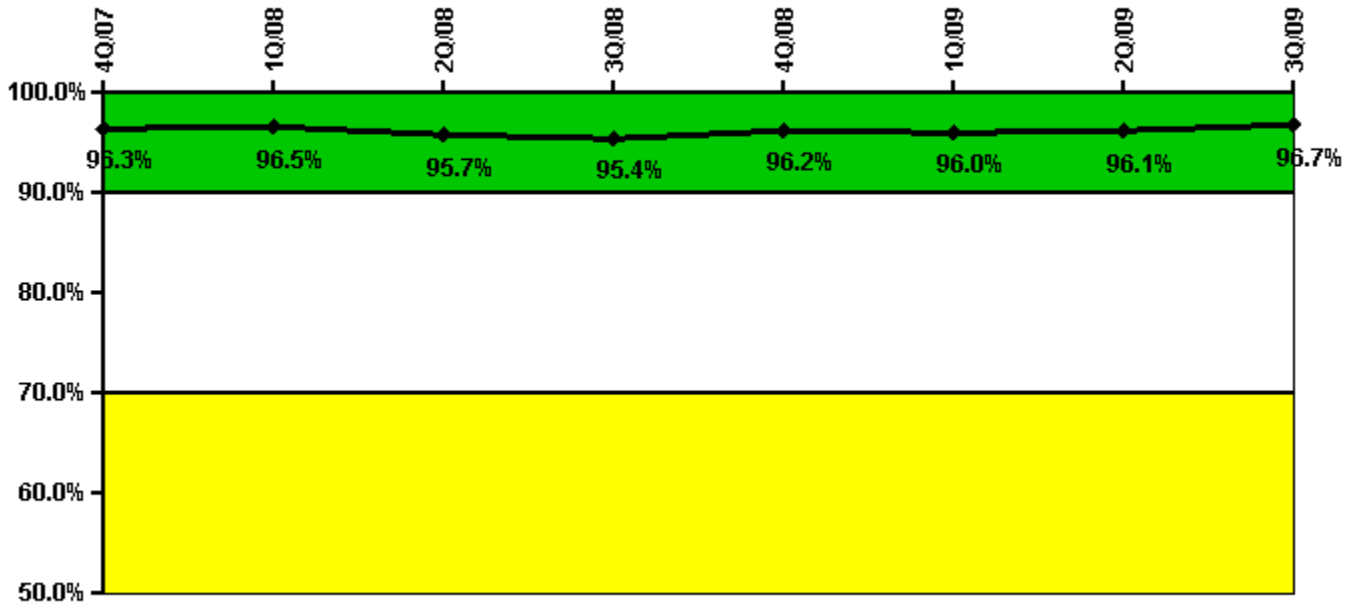
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0.030	0.030	0.020	0.030	0.020	0.030	0.020	0.020	0.030	0.030	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.3
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	0.030	0.010	0.020	0.020	0.020	0.020	0.020	0.040	0.050	0.050	0.040	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.1	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.1

Licensee Comments: none

Drill/Exercise Performance



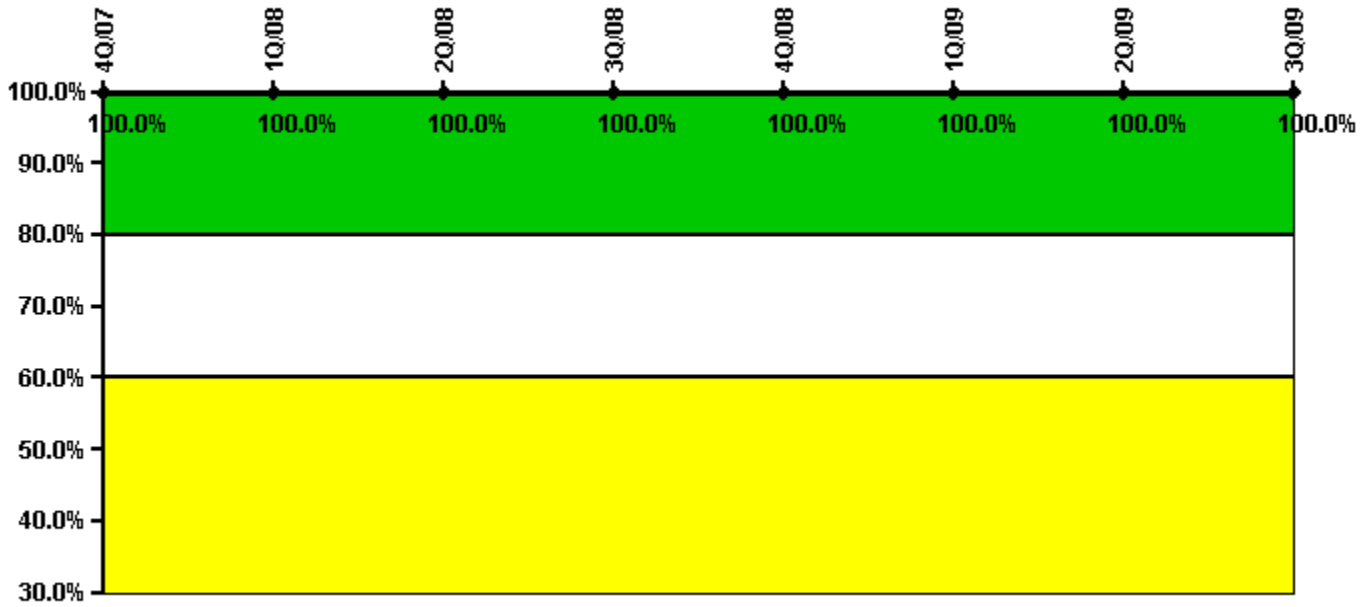
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	66.0	28.0	50.0	90.0	74.0	22.0	38.0	95.0
Total opportunities	71.0	28.0	54.0	92.0	76.0	24.0	38.0	96.0
Indicator value	96.3%	96.5%	95.7%	95.4%	96.2%	96.0%	96.1%	96.7%

Licensee Comments: none

ERO Drill Participation



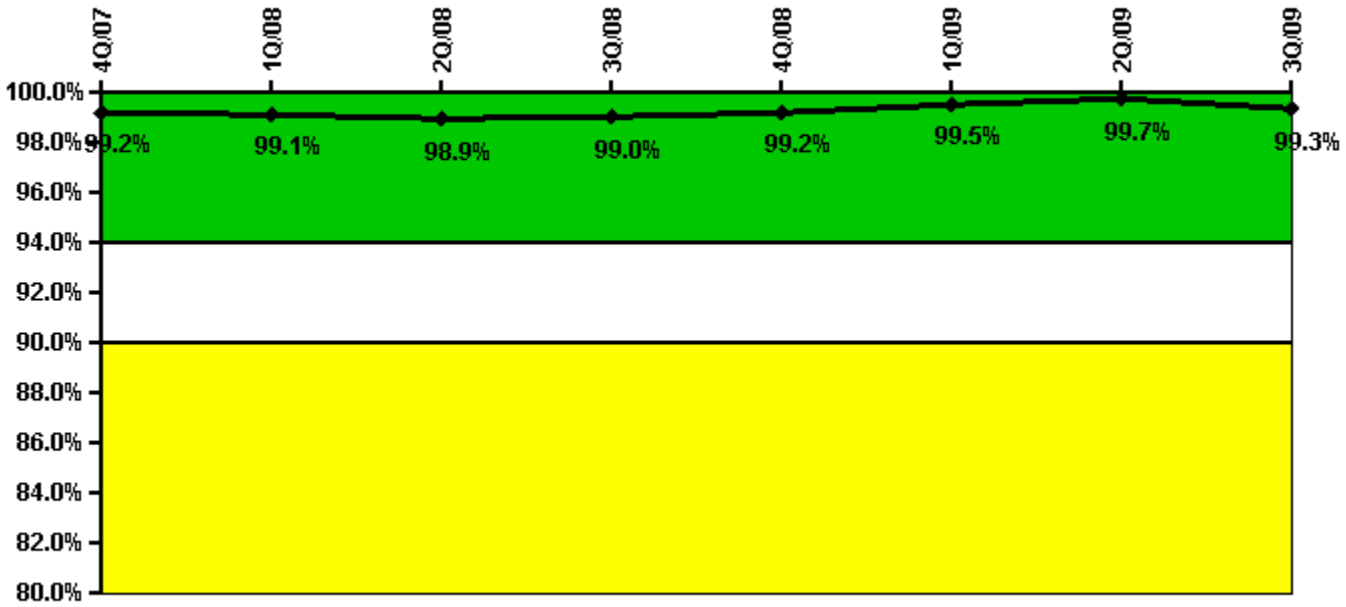
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	111.0	114.0	99.0	94.0	93.0	94.0	98.0	100.0
Total Key personnel	111.0	114.0	99.0	94.0	93.0	94.0	98.0	100.0
Indicator value	100.0%	100.0%	100.0%	100.0%	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/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	618	786	627	486	1220	1156	1200	1159
Total sirens-tests	625	793	637	488	1225	1158	1204	1181
Indicator value	99.2%	99.1%	98.9%	99.0%	99.2%	99.5%	99.7%	99.3%

Licensee Comments: none

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.