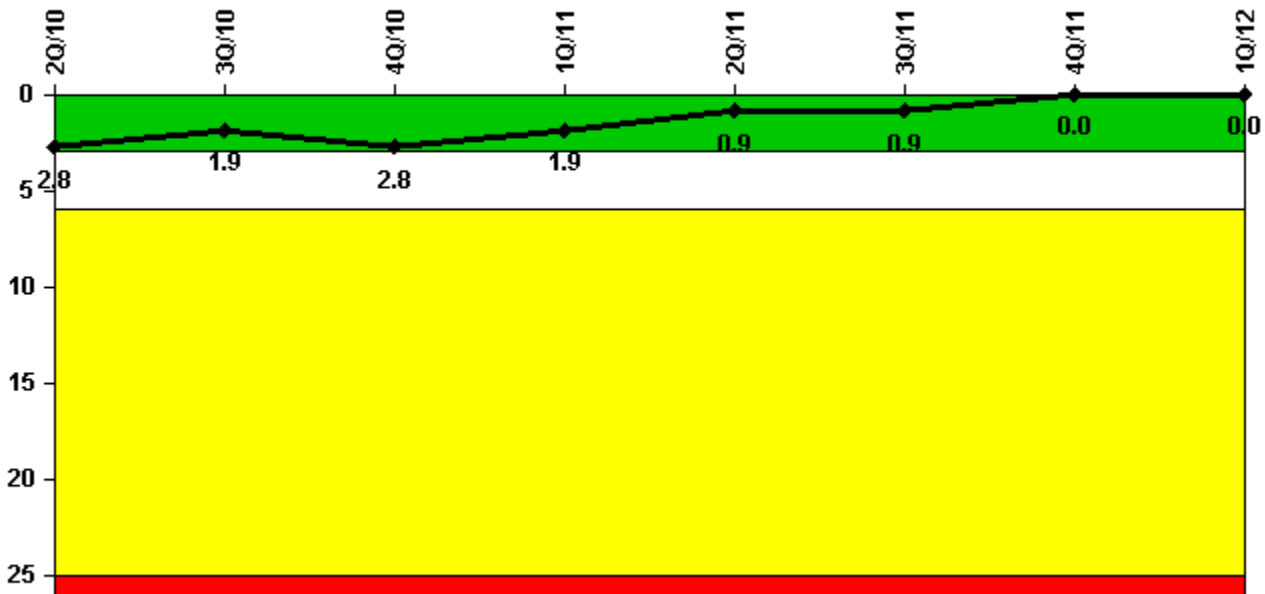


Fermi 2

1Q/2012 Performance Indicators

Licensee's General Comments: MSPI data changes due to minor revisions of past unavailability data

Unplanned Scrams per 7000 Critical Hrs



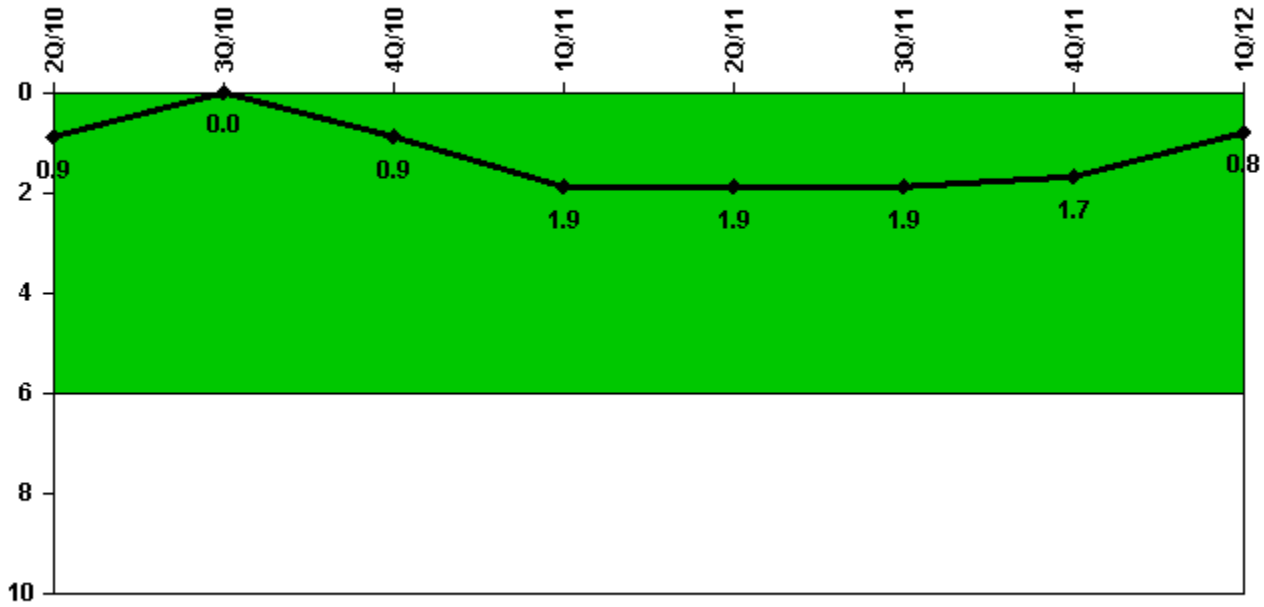
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	1.0	0	1.0	0	0	0	0	0
Critical hours	1968.5	2208.0	1262.9	1784.8	2184.0	2208.0	2209.0	2042.0
Indicator value	2.8	1.9	2.8	1.9	0.9	0.9	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	1.0	1.0	0	0	1.0	0
Critical hours	1968.5	2208.0	1262.9	1784.8	2184.0	2208.0	2209.0	2042.0
Indicator value	0.9	0	0.9	1.9	1.9	1.9	1.7	0.8

Licensee Comments: none

Unplanned Scrams with Complications



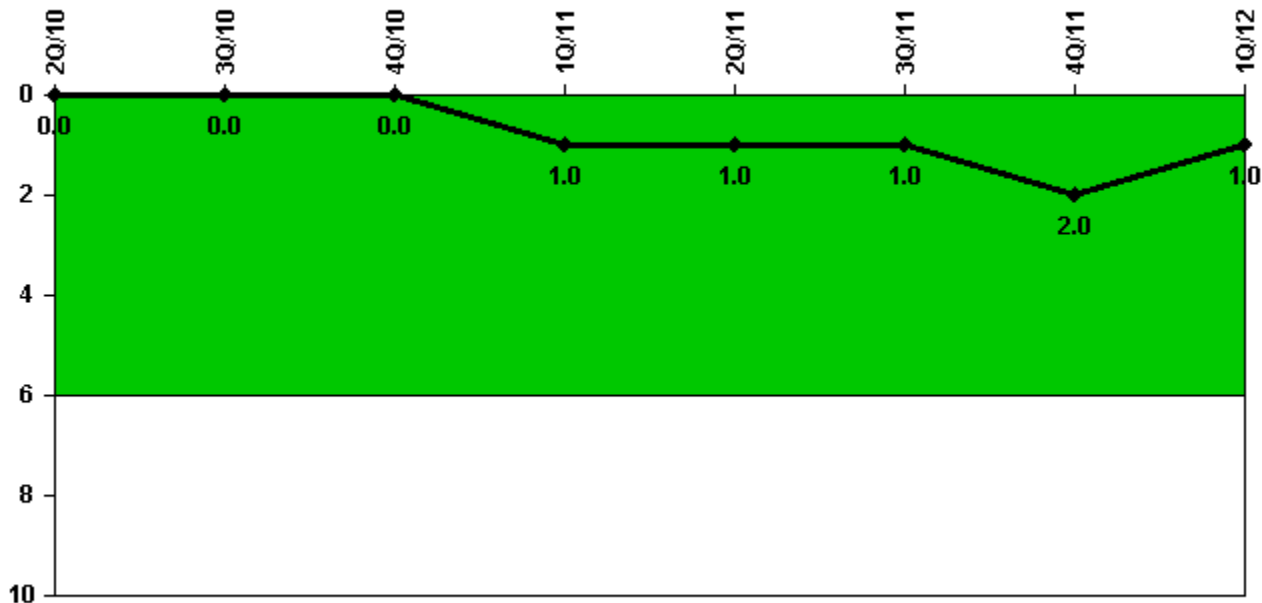
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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

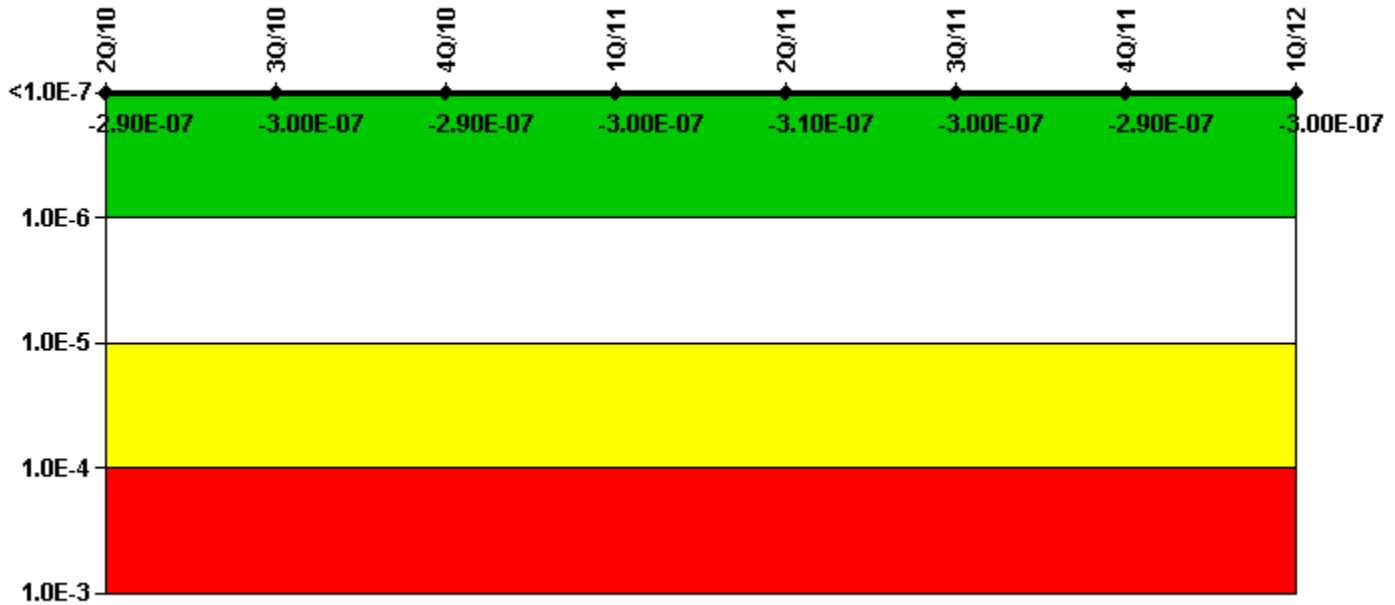
Safety System Functional Failures (BWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	0	0	1	0	0	1	0
Indicator value	0	0	0	1	1	1	2	1

Licensee Comments:

4Q/11: LER 2011-01, Loss of the High Pressure Coolant Injection system due to an inoperable minimum flow valve.

1Q/11: February - Fermi 2 LER 2010-004

Mitigating Systems Performance Index, Emergency AC Power System



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

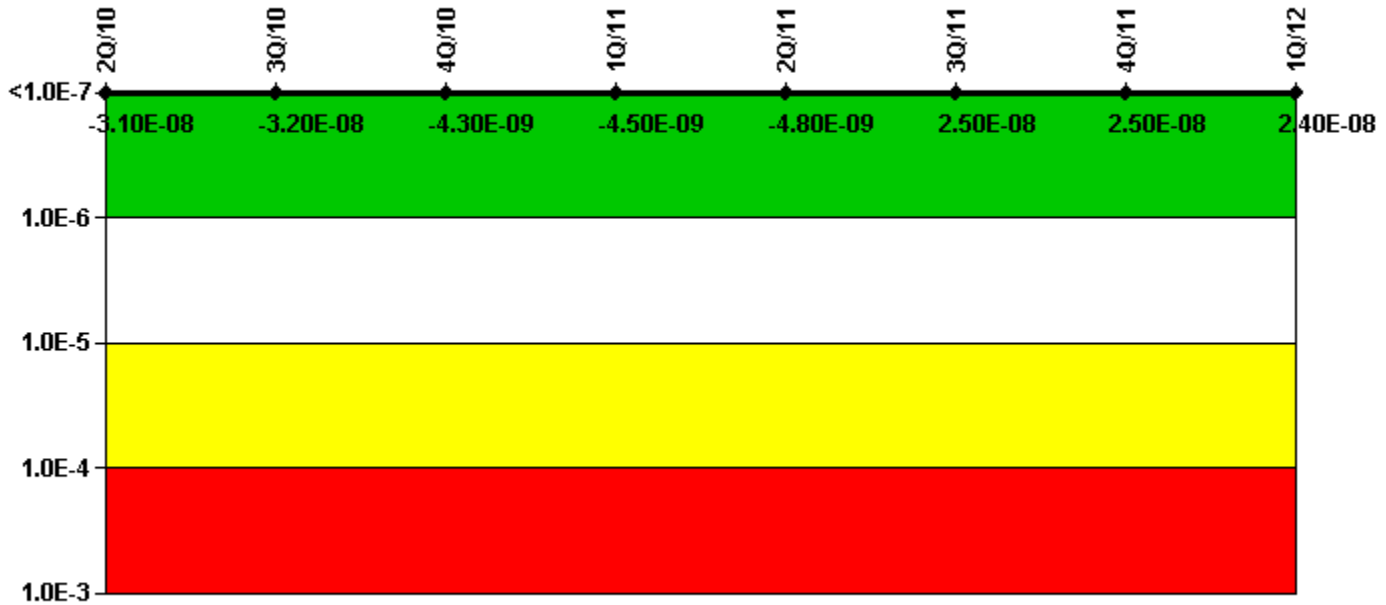
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	2.82E-09	2.46E-09	2.16E-09	-5.74E-09	-5.60E-09	1.40E-09	5.00E-10	-4.61E-09
URI (Δ CDF)	-2.97E-07	-3.02E-07	-2.93E-07	-2.97E-07	-3.00E-07	-3.01E-07	-2.95E-07	-2.99E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-07	-3.00E-07	-2.90E-07	-3.00E-07	-3.10E-07	-3.00E-07	-2.90E-07	-3.00E-07

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System



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

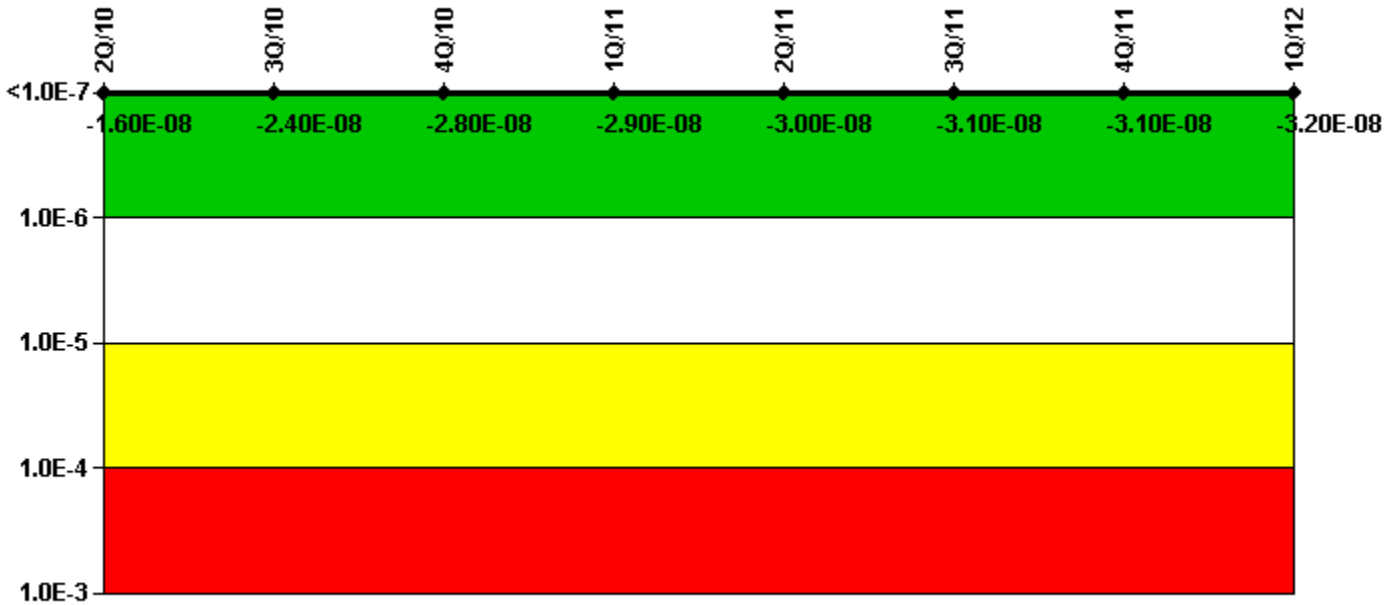
Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-2.25E-09	-2.25E-09	-1.74E-10	-1.24E-10	-1.24E-10	5.29E-09	4.06E-09	4.07E-09
URI (Δ CDF)	-2.85E-08	-3.00E-08	-4.12E-09	-4.38E-09	-4.63E-09	2.01E-08	2.10E-08	1.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.10E-08	-3.20E-08	-4.30E-09	-4.50E-09	-4.80E-09	2.50E-08	2.50E-08	2.40E-08

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System



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

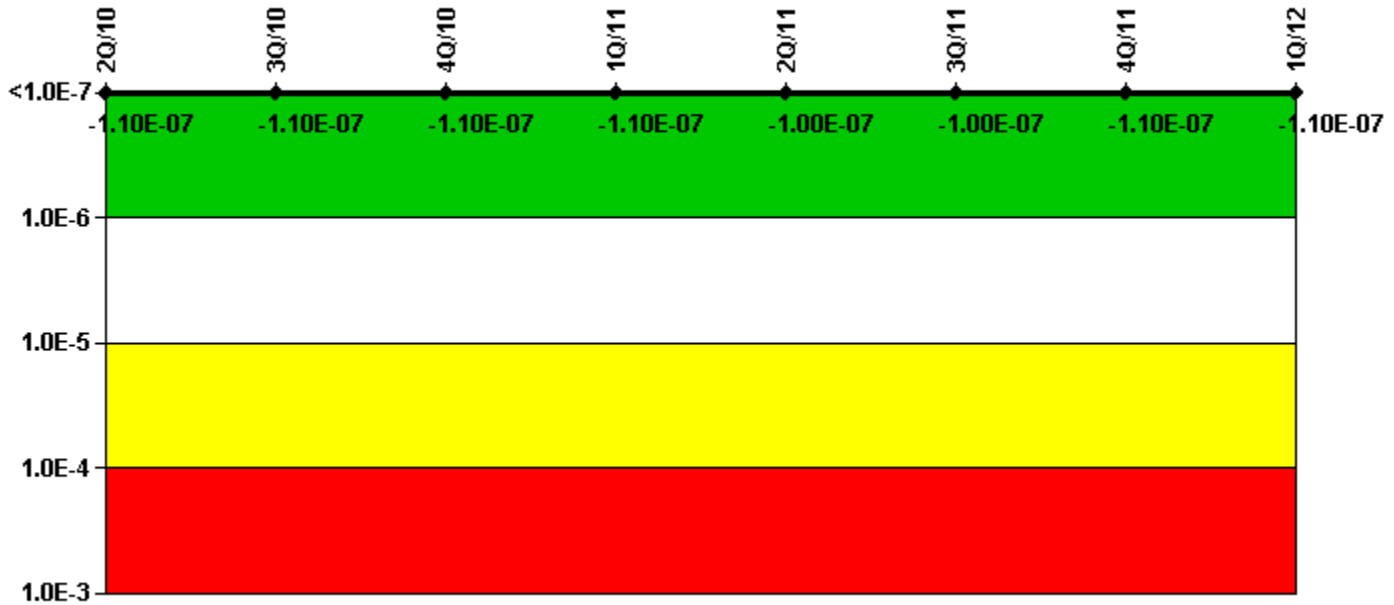
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	1.55E-08	4.11E-09	-2.09E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.37E-09
URI (Δ CDF)	-3.11E-08	-2.82E-08	-2.57E-08	-2.66E-08	-2.74E-08	-2.82E-08	-2.89E-08	-2.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-08	-2.40E-08	-2.80E-08	-2.90E-08	-3.00E-08	-3.10E-08	-3.10E-08	-3.20E-08

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System



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

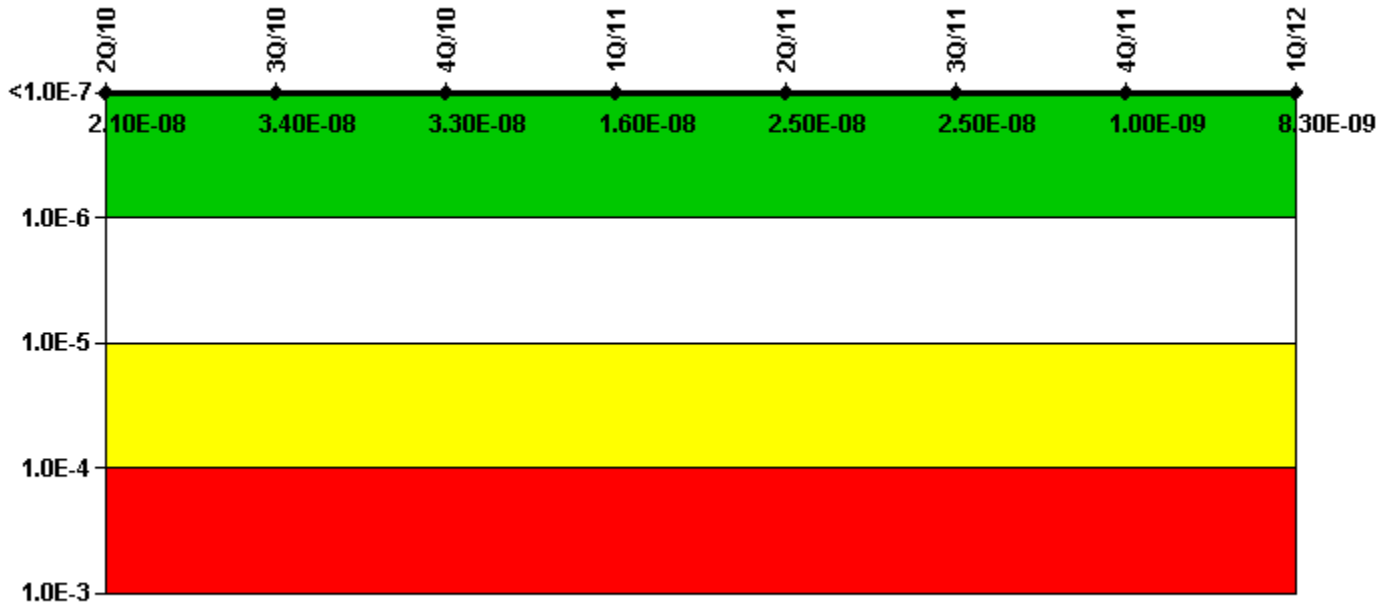
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-4.22E-09	-5.87E-09	-5.88E-09	-6.24E-09	5.41E-09	6.79E-09	-4.23E-09	2.75E-09
URI (Δ CDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.10E-07

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems



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

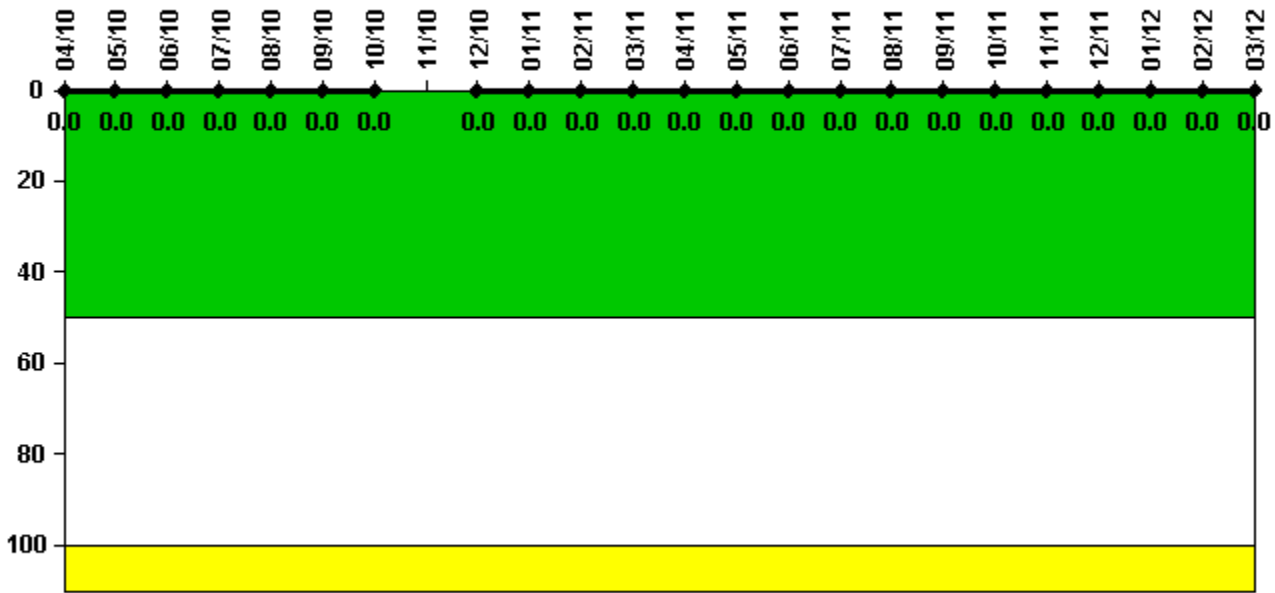
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	3.39E-08	4.69E-08	4.63E-08	2.88E-08	3.83E-08	3.83E-08	1.39E-08	2.12E-08
URI (Δ CDF)	-1.28E-08	-1.29E-08	-1.28E-08	-1.28E-08	-1.28E-08	-1.29E-08	-1.29E-08	-1.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.10E-08	3.40E-08	3.30E-08	1.60E-08	2.50E-08	2.50E-08	1.00E-09	8.30E-09

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

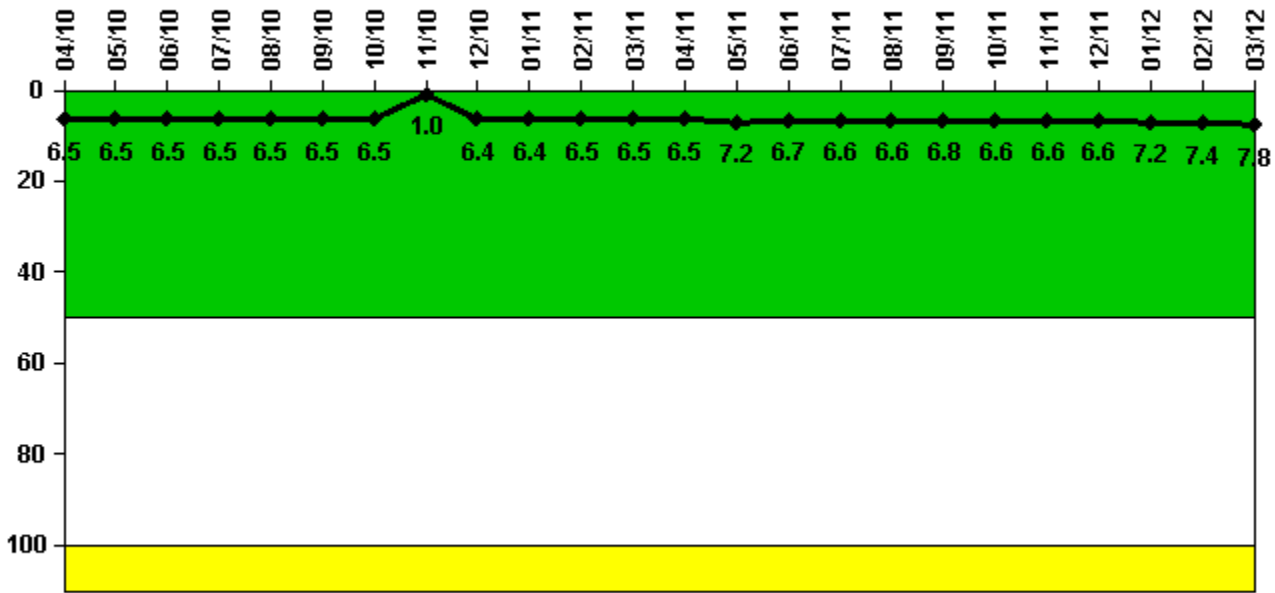
Notes

Reactor Coolant System Activity	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum activity	0.000026	0.000027	0.000027	0.000026	0.000028	0.000029	0.000033	N/A	0.000023	0.000025	0.000027	0.000033
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	N/A	0	0	0	0

Reactor Coolant System Activity	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	0.000019	0.000017	0.000014	0.000016	0.000011	0.000006	0.000023	0.000025	0.000027	0.000028	0.000031	0.000025
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



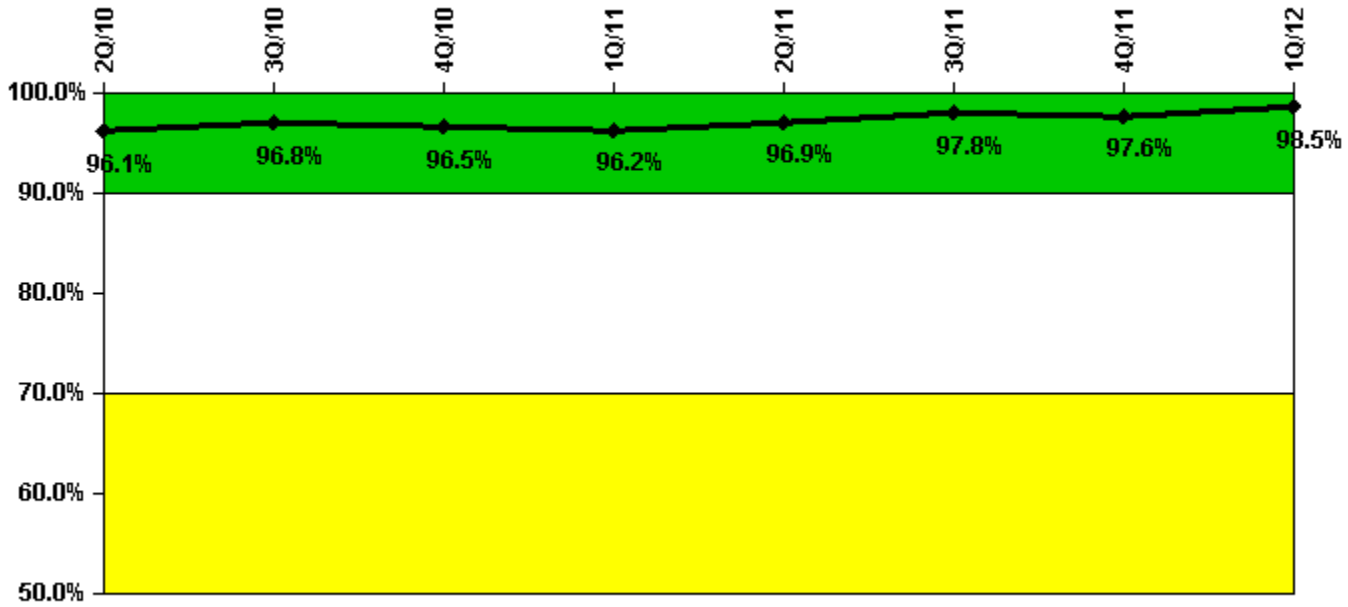
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	1.630	1.630	1.630	1.630	1.630	1.630	1.630	0.240	1.600	1.600	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.5	6.5	6.5	6.5	6.5	6.5	6.5	1.0	6.4	6.4	6.5	6.5
Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	1.630	1.790	1.680	1.660	1.660	1.690	1.660	1.660	1.660	1.790	1.840	1.950
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	6.5	7.2	6.7	6.6	6.6	6.8	6.6	6.6	6.6	7.2	7.4	7.8

Licensee Comments: none

Drill/Exercise Performance



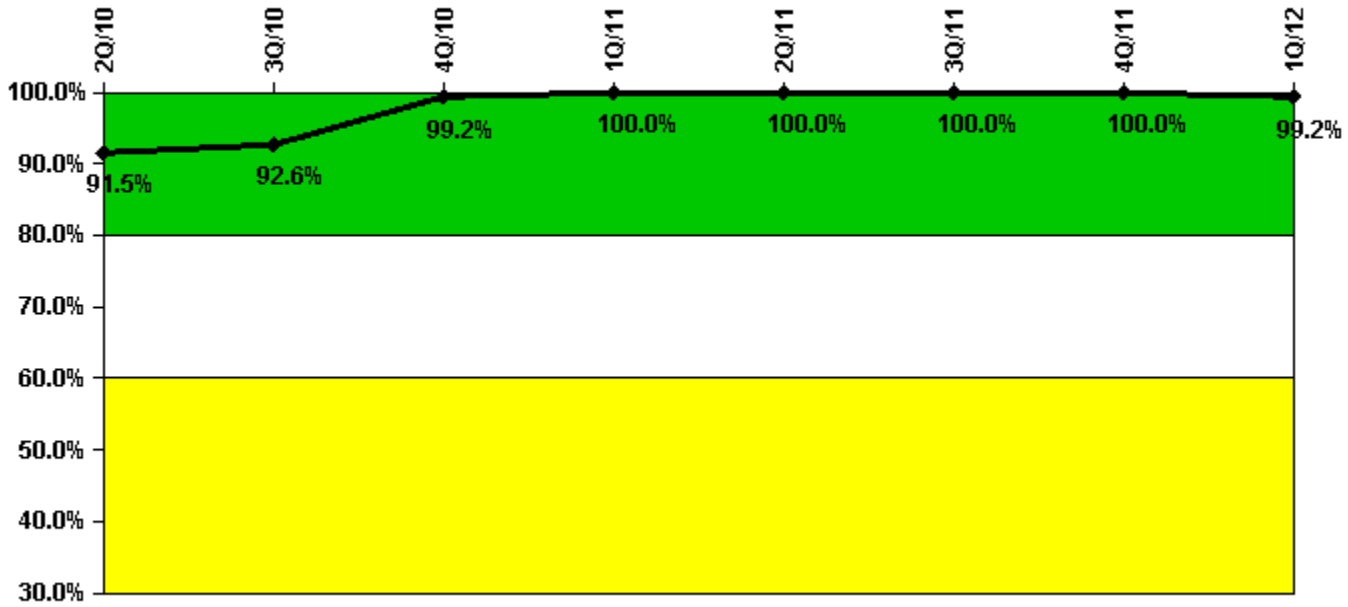
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	41.0	76.0	20.0	18.0	31.0	46.0	30.0	6.0
Total opportunities	42.0	77.0	20.0	19.0	31.0	46.0	31.0	6.0
Indicator value	96.1%	96.8%	96.5%	96.2%	96.9%	97.8%	97.6%	98.5%

Licensee Comments: none

ERO Drill Participation



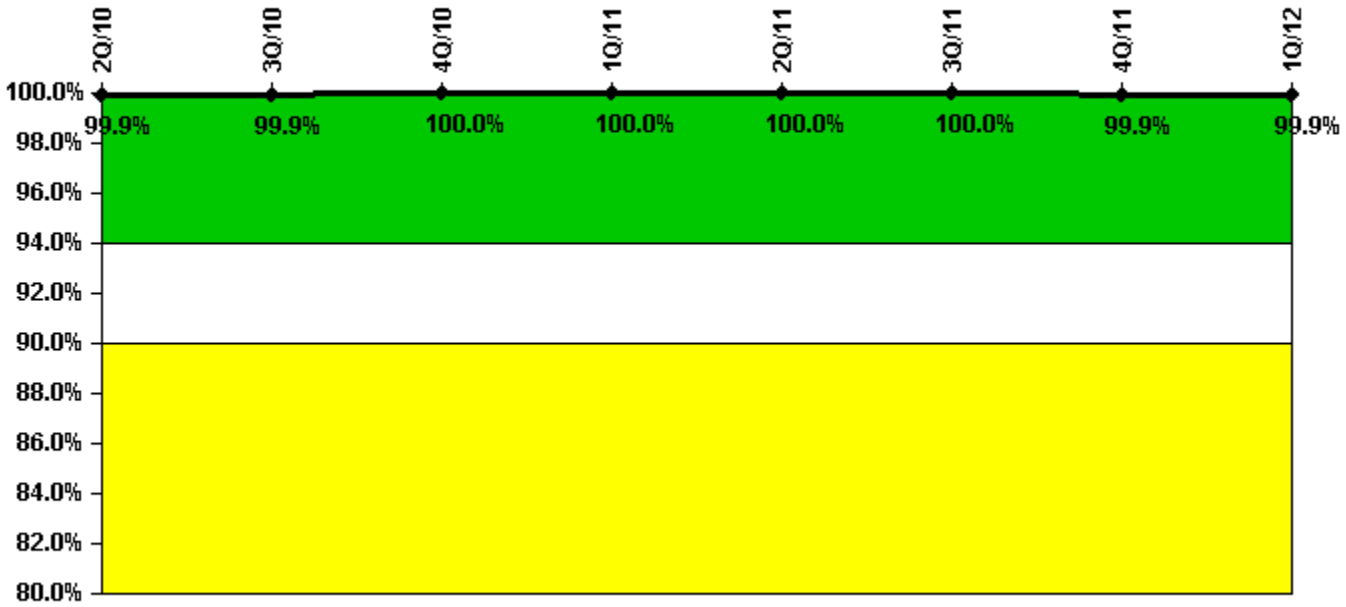
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	118.0	112.0	122.0	120.0	120.0	121.0	119.0	118.0
Total Key personnel	129.0	121.0	123.0	120.0	120.0	121.0	119.0	119.0
Indicator value	91.5%	92.6%	99.2%	100.0%	100.0%	100.0%	100.0%	99.2%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	124	186	186	186	186	186	123	186
Total sirens-tests	124	186	186	186	186	186	124	186
Indicator value	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



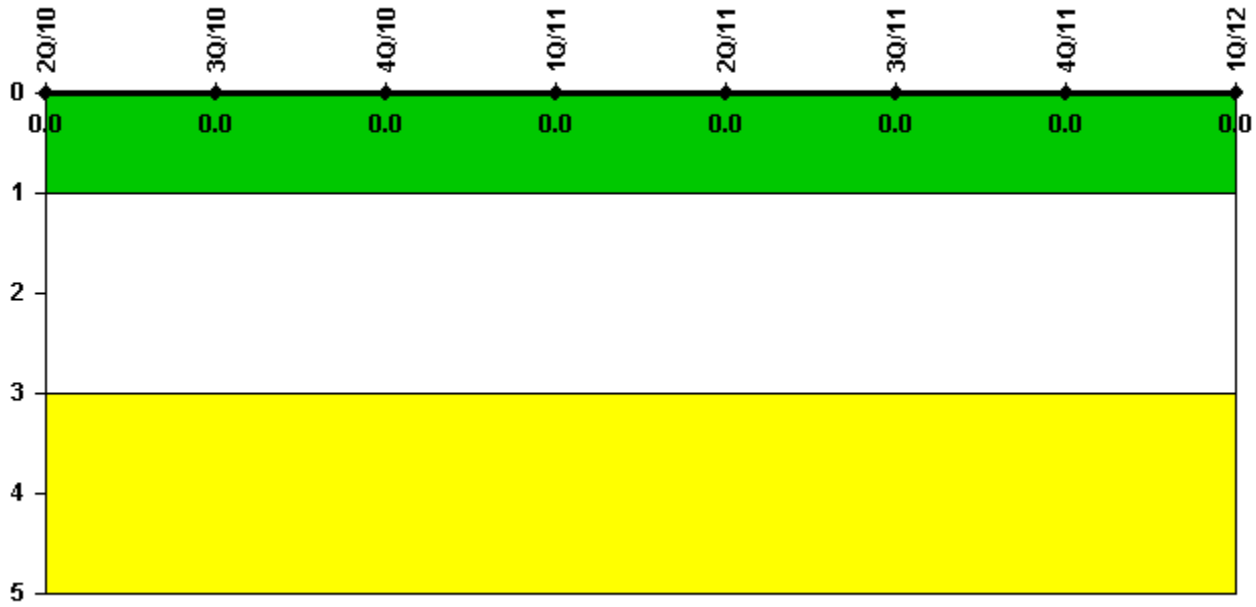
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
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.