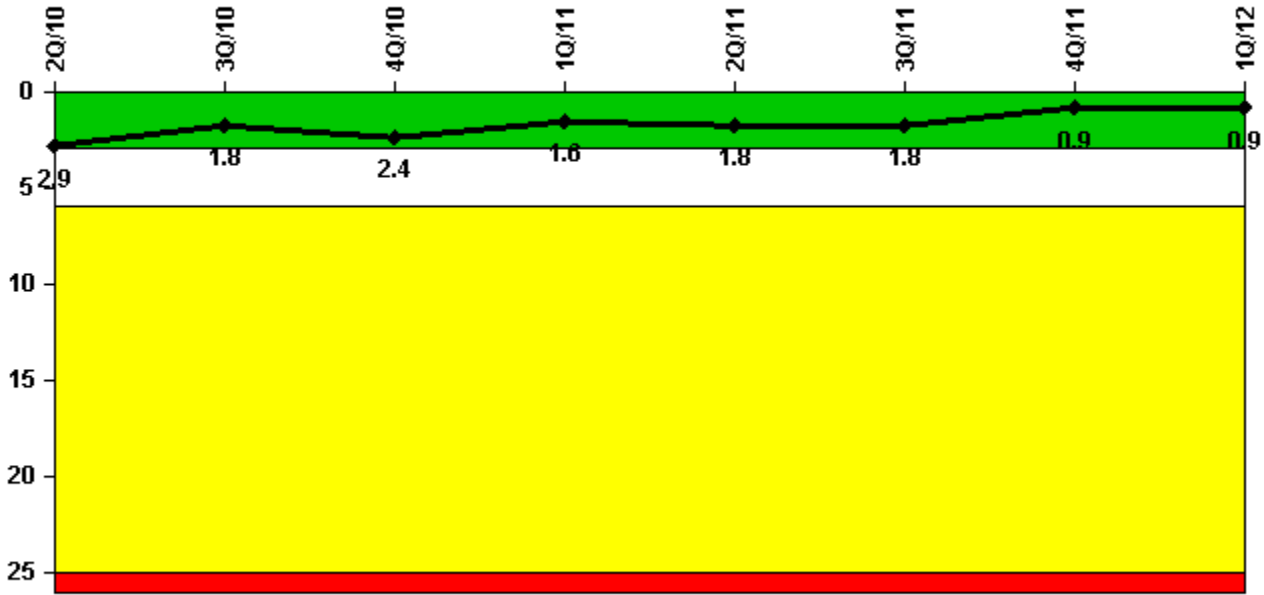


Millstone 2

1Q/2012 Performance Indicators

Licensee's General Comments: MP2 LER 2011-005-00, Enclosure Building Rendered Inoperable Due to Degraded Door Seal

Unplanned Scrams per 7000 Critical Hrs



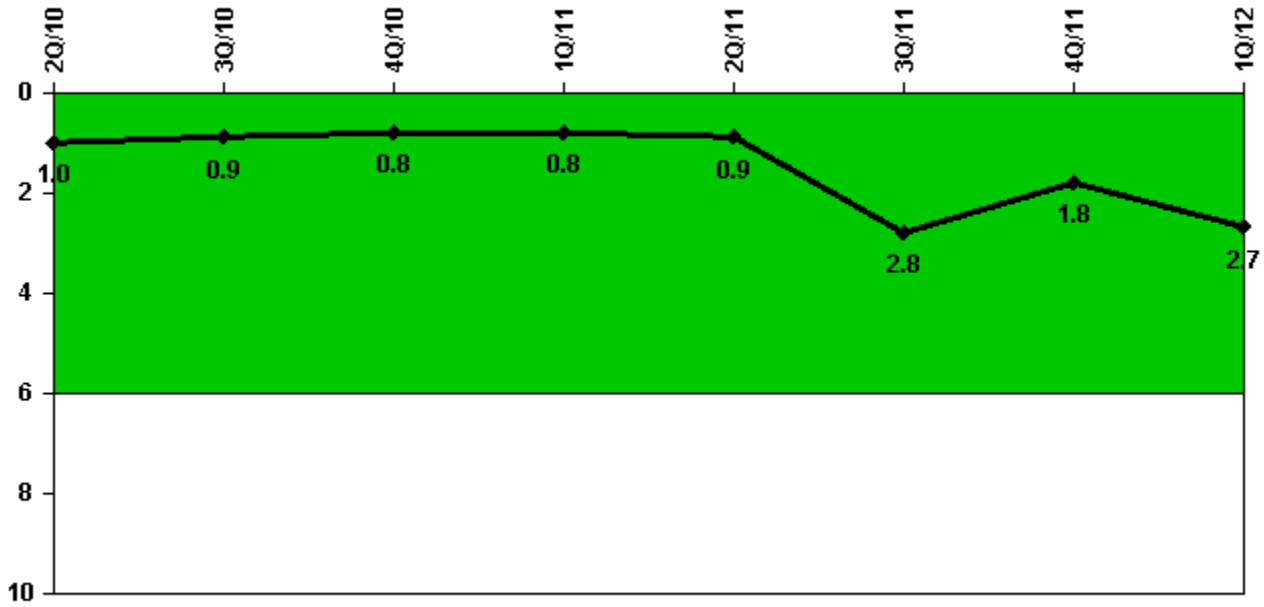
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0
Critical hours	2139.0	2208.0	2134.5	2159.0	1408.9	1879.7	2209.0	2183.0
Indicator value	2.9	1.8	2.4	1.6	1.8	1.8	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



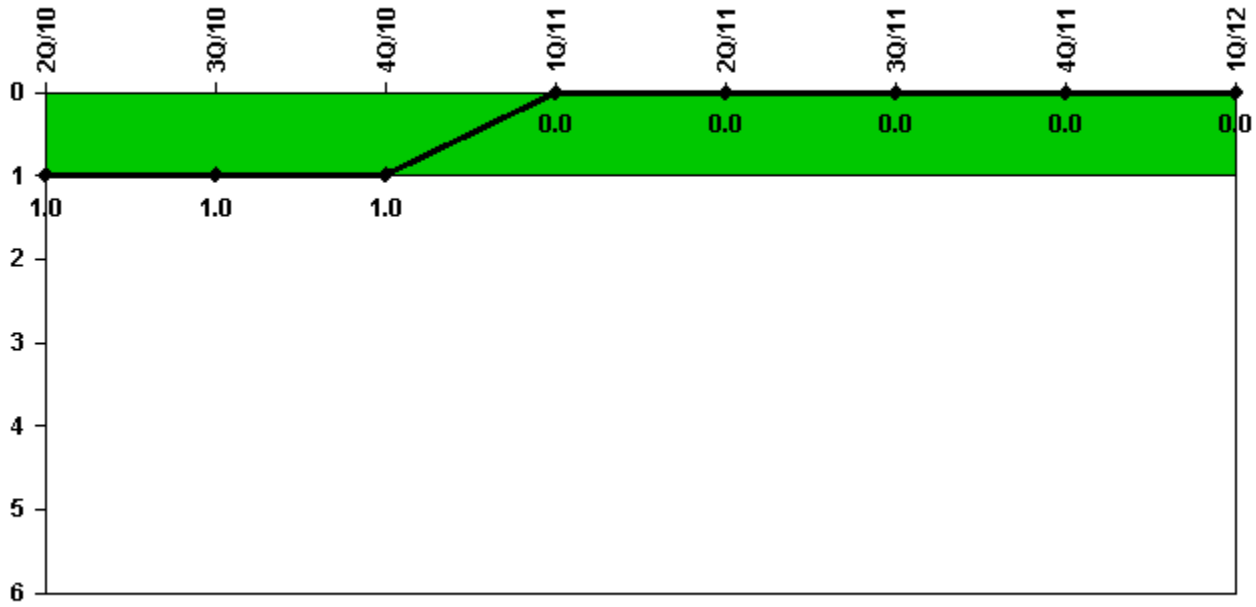
Thresholds: White > 6.0

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	0	0	2.0	0	1.0
Critical hours	2139.0	2208.0	2134.5	2159.0	1408.9	1879.7	2209.0	2183.0
Indicator value	1.0	0.9	0.8	0.8	0.9	2.8	1.8	2.7

Licensee Comments: none

Unplanned Scrams with Complications



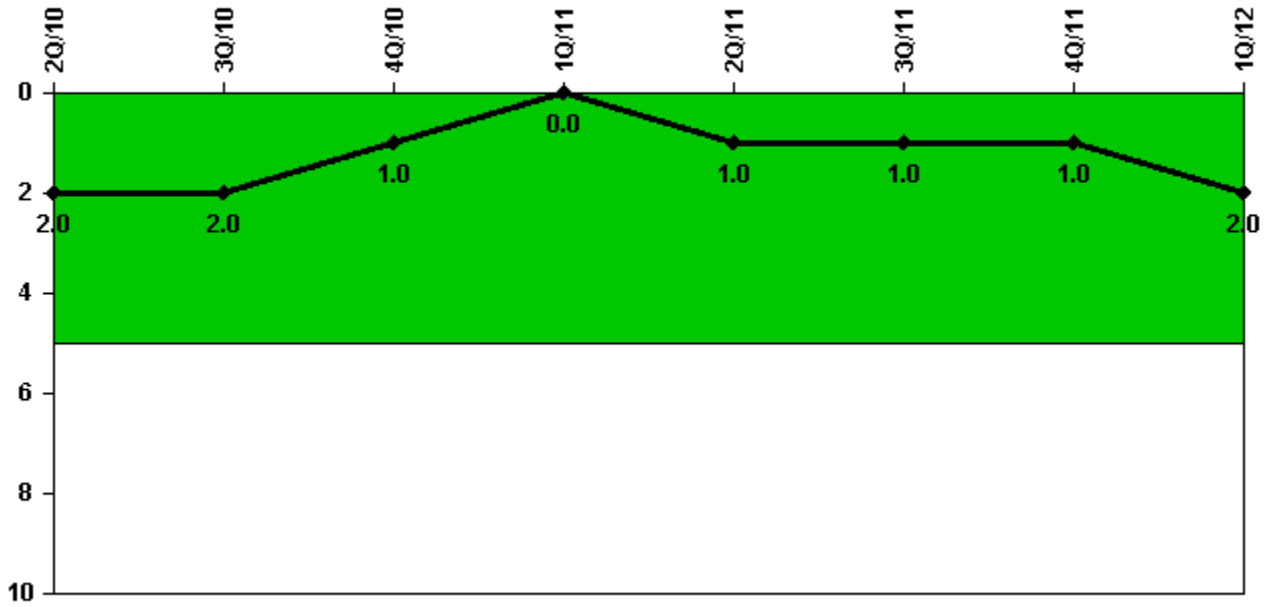
Thresholds: White > 1.0

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	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

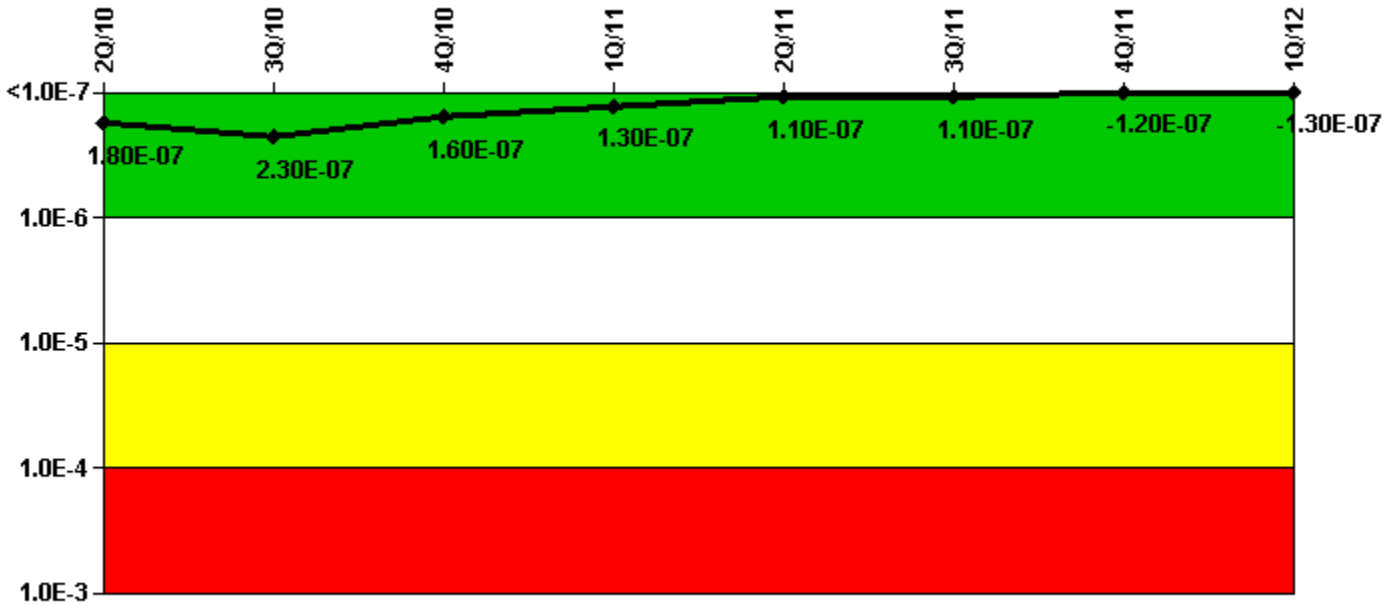
Notes

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

Licensee Comments:

2Q/11: LER 2011-001-00

Mitigating Systems Performance Index, Emergency AC Power System



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

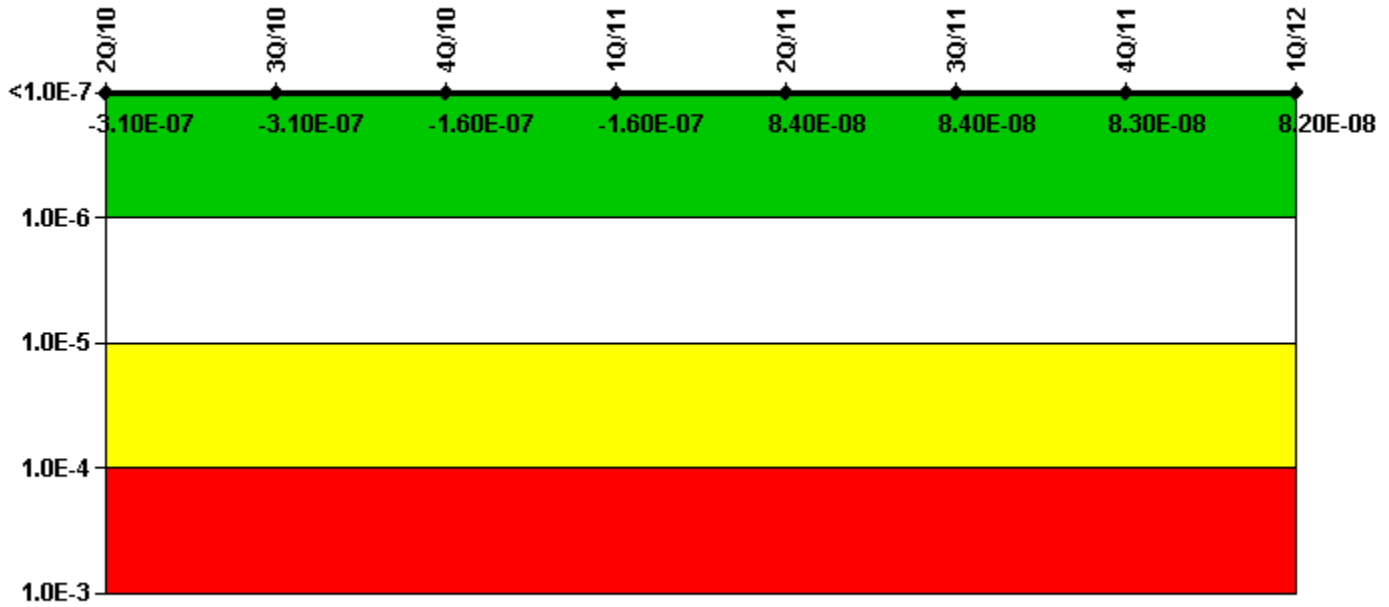
Notes

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 (ΔCDF)	1.75E-07	2.25E-07	1.58E-07	1.31E-07	4.11E-08	4.14E-08	3.20E-08	2.02E-08
URI (ΔCDF)	9.15E-09	4.61E-09	3.00E-09	4.77E-10	7.10E-08	6.92E-08	-1.55E-07	-1.55E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.80E-07	2.30E-07	1.60E-07	1.30E-07	1.10E-07	1.10E-07	-1.20E-07	-1.30E-07

Licensee Comments:

2Q/11: A PRA model change for Millstone Unit 2 was implemented during the second quarter.

Mitigating Systems Performance Index, High Pressure Injection System



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

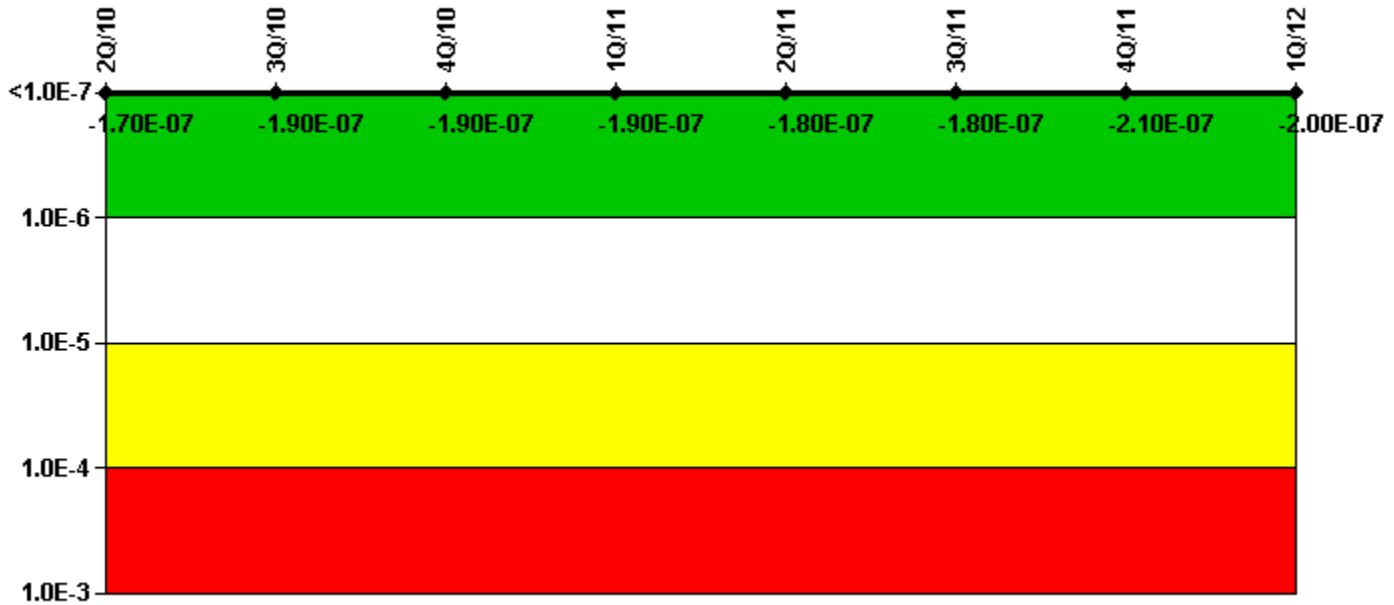
Notes

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)	-2.73E-07	-2.73E-07	-2.73E-07	-2.73E-07	-6.36E-08	-6.36E-08	-6.36E-08	-6.36E-08
URI (Δ CDF)	-3.95E-08	-3.95E-08	1.17E-07	1.17E-07	1.48E-07	1.48E-07	1.46E-07	1.46E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.10E-07	-3.10E-07	-1.60E-07	-1.60E-07	8.40E-08	8.40E-08	8.30E-08	8.20E-08

Licensee Comments:

2Q/11: A PRA model change for Millstone Unit 2 was implemented during the second quarter.

Mitigating Systems Performance Index, Heat Removal System



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

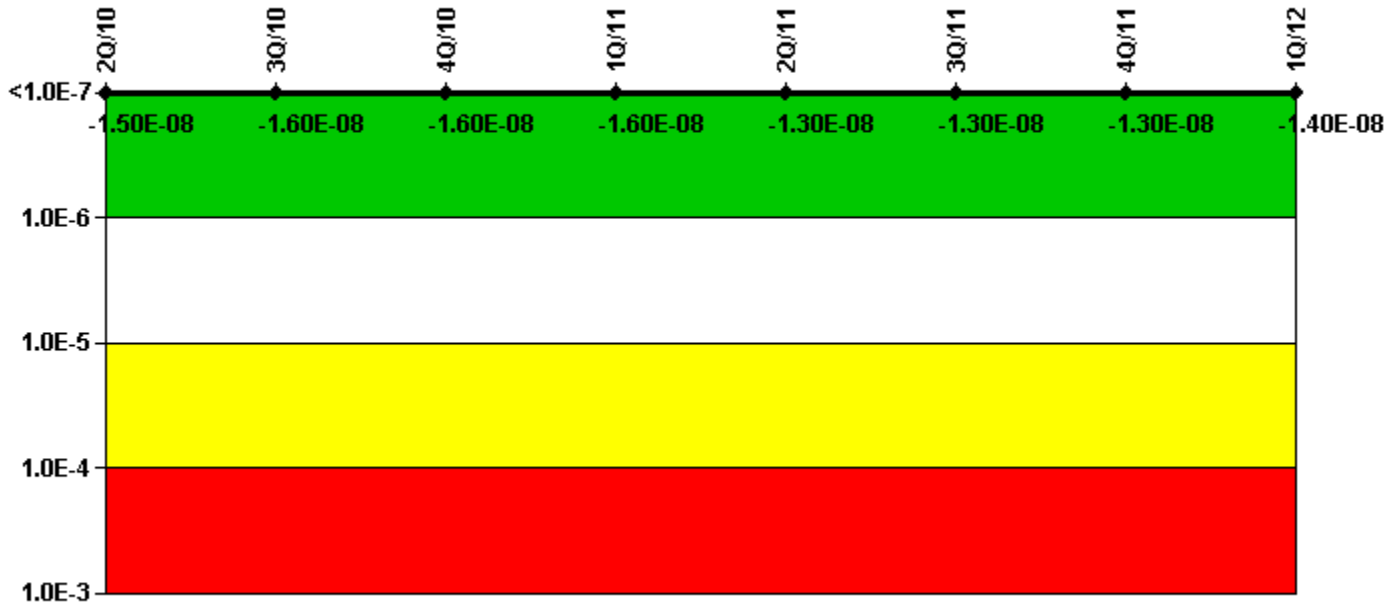
Notes

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)	-2.23E-08	-4.49E-08	-4.30E-08	-4.26E-08	-4.63E-08	-4.17E-08	-7.48E-08	-6.15E-08
URI (Δ CDF)	-1.45E-07	-1.46E-07	-1.50E-07	-1.50E-07	-1.33E-07	-1.38E-07	-1.36E-07	-1.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-07	-1.90E-07	-1.90E-07	-1.90E-07	-1.80E-07	-1.80E-07	-2.10E-07	-2.00E-07

Licensee Comments:

2Q/11: A PRA model change for Millstone Unit 2 was implemented during the second quarter.

Mitigating Systems Performance Index, Residual Heat Removal System



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

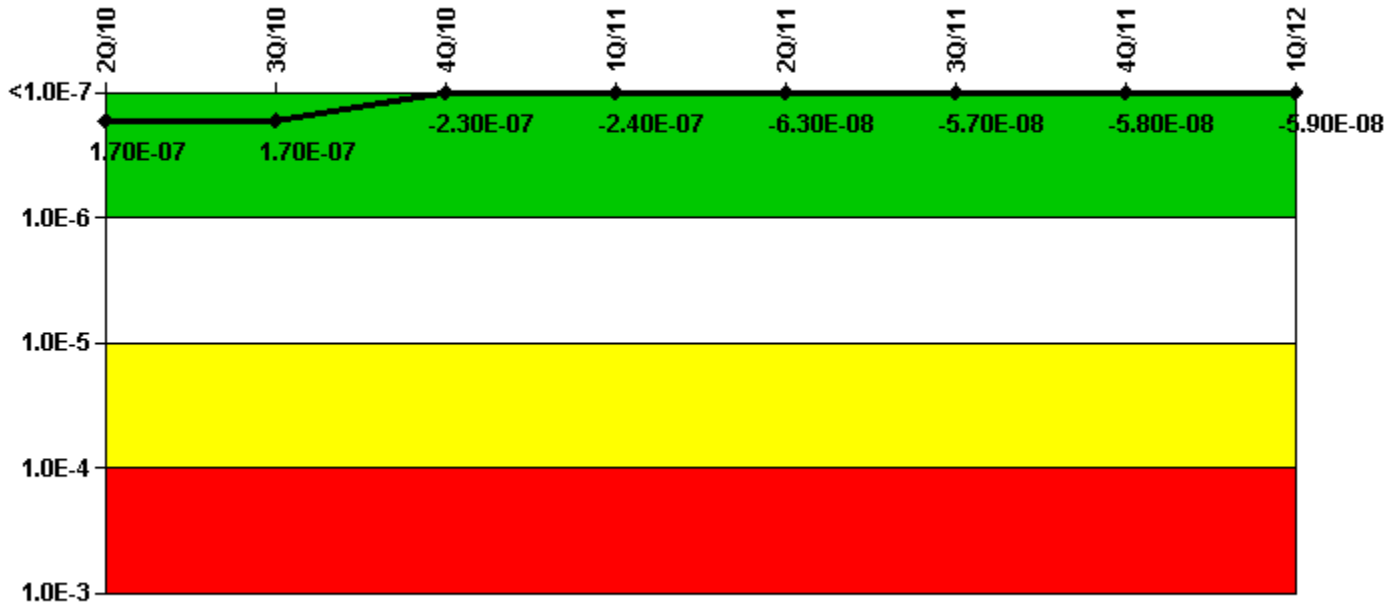
Notes

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)	-1.78E-10	-4.57E-10	-4.58E-10	-6.64E-10	-2.08E-10	-1.82E-10	-1.95E-10	-1.95E-10
URI (Δ CDF)	-1.53E-08	-1.53E-08	-1.53E-08	-1.55E-08	-1.32E-08	-1.31E-08	-1.33E-08	-1.35E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.40E-08

Licensee Comments:

2Q/11: A PRA model change for Millstone Unit 2 was implemented during the second quarter.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

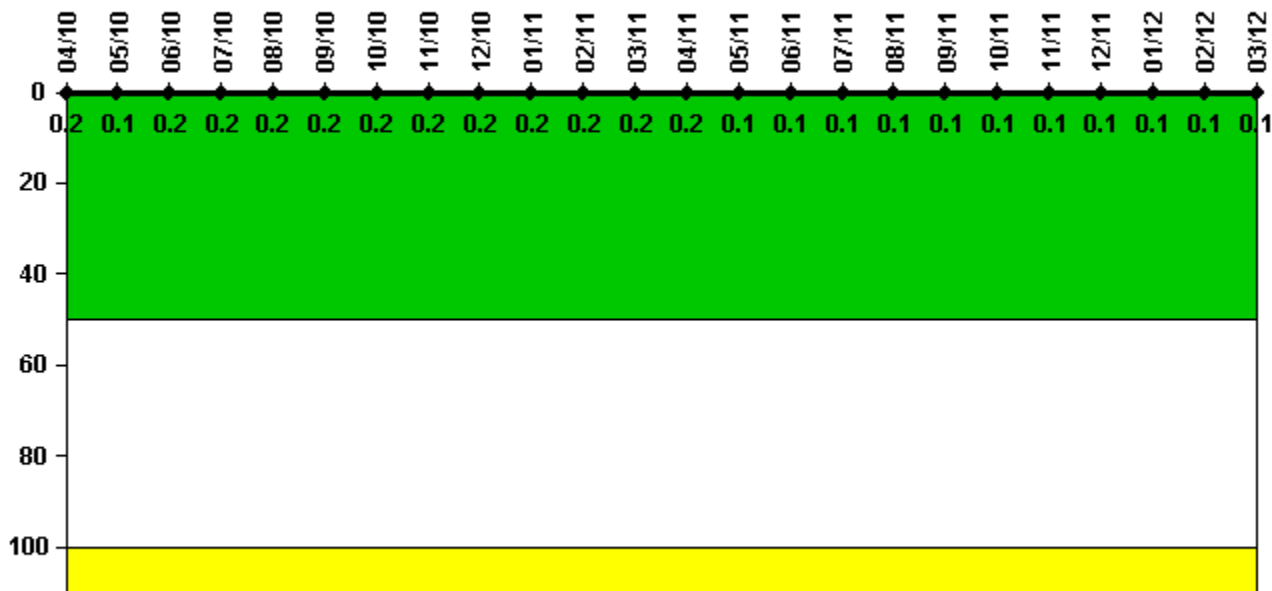
Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-2.75E-08	-2.75E-08	-3.61E-08	-3.61E-08	-1.40E-09	5.34E-09	5.34E-09	5.33E-09
URI (Δ CDF)	2.02E-07	1.99E-07	-1.98E-07	-1.99E-07	-6.20E-08	-6.28E-08	-6.35E-08	-6.42E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.70E-07	1.70E-07	-2.30E-07	-2.40E-07	-6.30E-08	-5.70E-08	-5.80E-08	-5.90E-08

Licensee Comments:

2Q/11: A PRA model change for Millstone Unit 2 was implemented during the second quarter.

1Q/11: Changed PRA Parameter(s).

Reactor Coolant System Activity



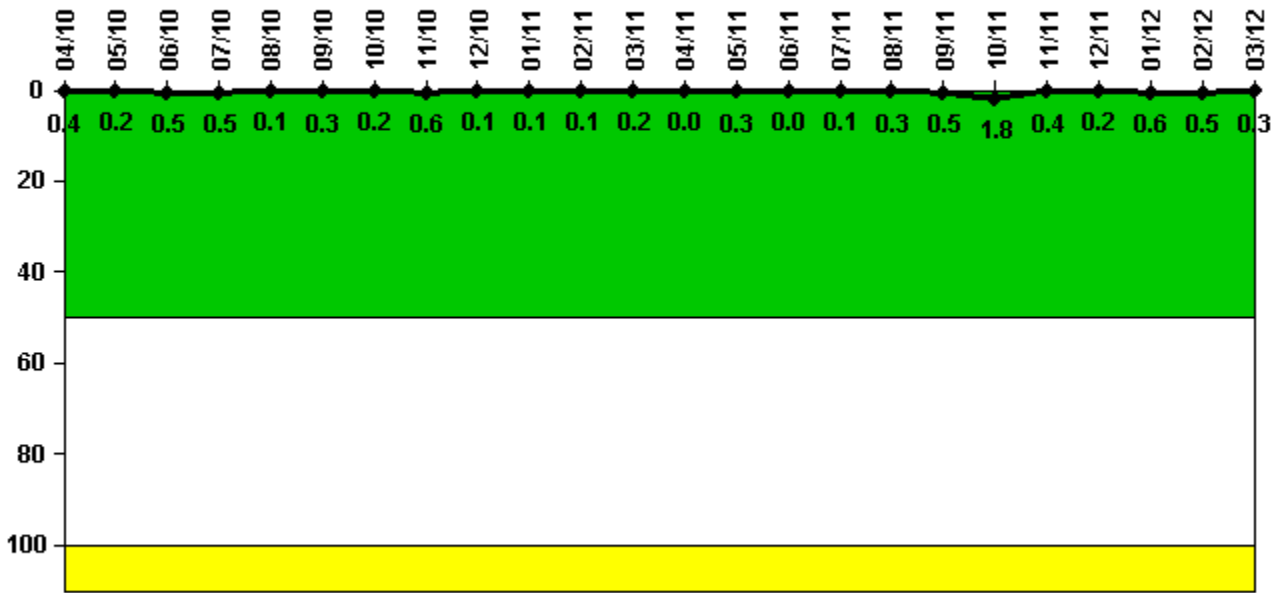
Thresholds: White > 50.0 Yellow > 100.0

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	0.001880	0.001470	0.001520	0.001580	0.001630	0.001710	0.001730	0.002030	0.001930	0.002020	0.002020	0.002460
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	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	0.002130	0.000863	0.000989	0.001300	0.001040	0.001040	0.001140	0.001210	0.001210	0.001250	0.001320	0.001450
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	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



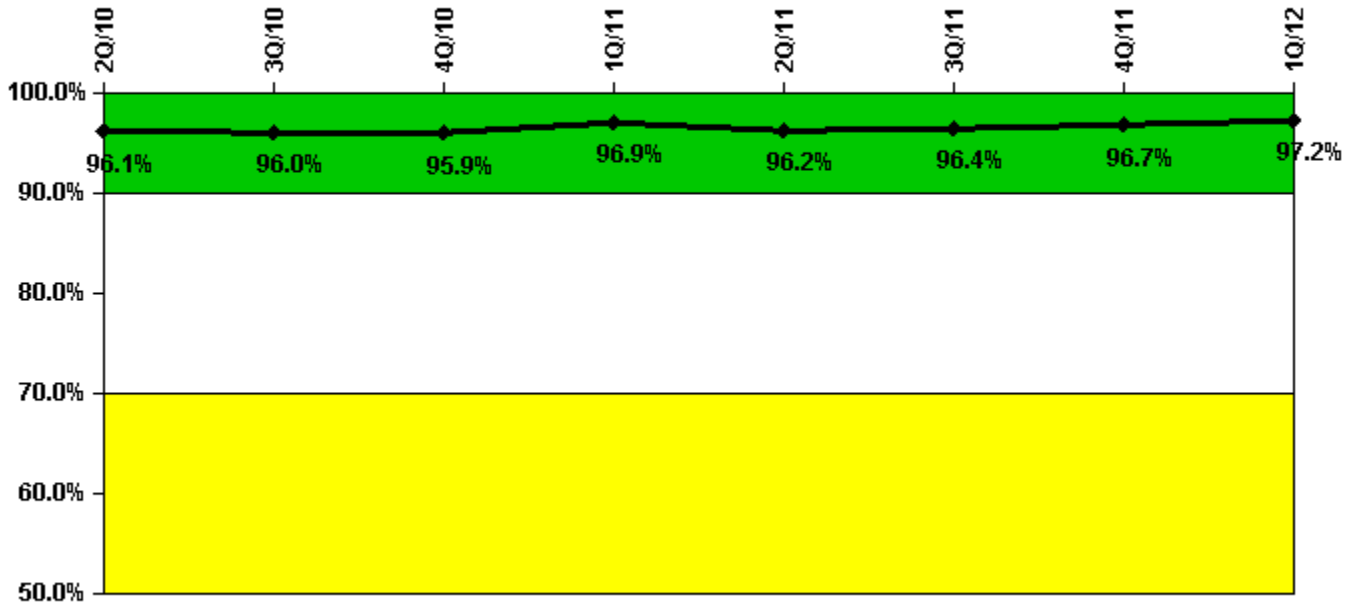
Thresholds: White > 50.0 Yellow > 100.0

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	0.041	0.016	0.051	0.047	0.006	0.027	0.018	0.056	0.009	0.014	0.005	0.022
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	0.4	0.2	0.5	0.5	0.1	0.3	0.2	0.6	0.1	0.1	0.1	0.2
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	0	0.033	0.002	0.013	0.028	0.054	0.180	0.037	0.021	0.055	0.045	0.031
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	0.3	0	0.1	0.3	0.5	1.8	0.4	0.2	0.6	0.5	0.3

Licensee Comments: none

Drill/Exercise Performance



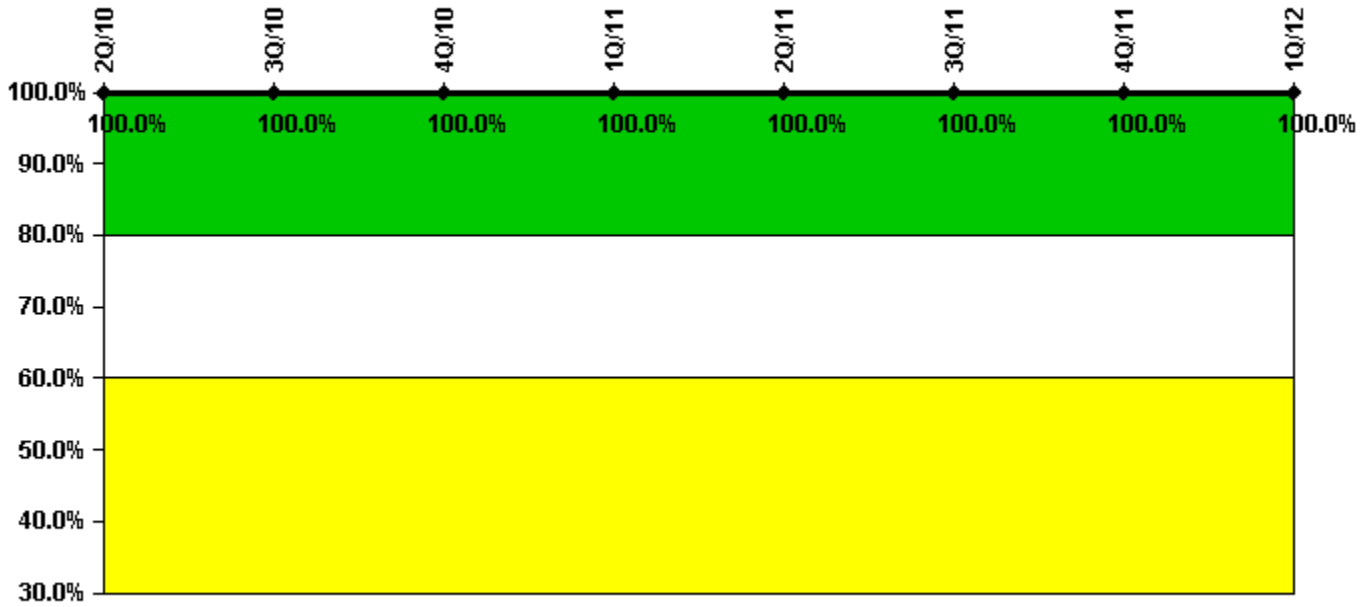
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	35.0	24.0	41.0	31.0	41.0	43.0	27.0	34.0
Total opportunities	37.0	25.0	43.0	31.0	44.0	43.0	27.0	34.0
Indicator value	96.1%	96.0%	95.9%	96.9%	96.2%	96.4%	96.7%	97.2%

Licensee Comments: none

ERO Drill Participation



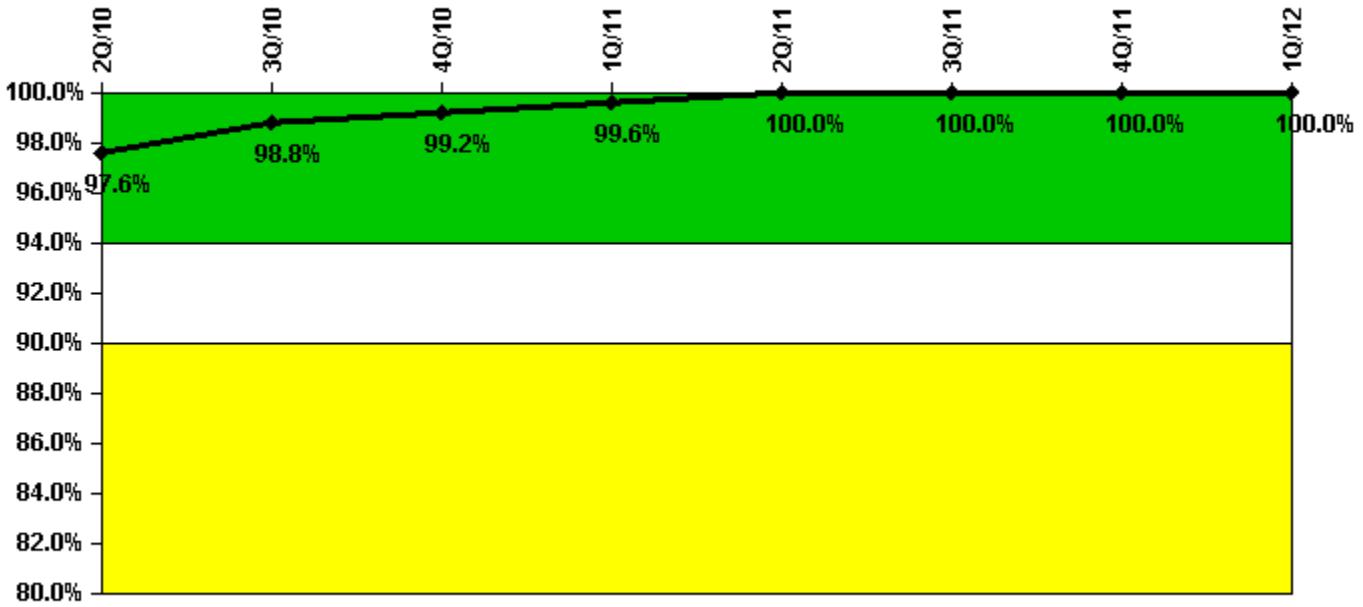
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	141.0	138.0	138.0	138.0	137.0	139.0	137.0	138.0
Total Key personnel	141.0	138.0	138.0	138.0	137.0	139.0	137.0	138.0
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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	312	473	553	474	553	474	553	474
Total sirens-tests	318	474	553	474	553	474	553	474
Indicator value	97.6%	98.8%	99.2%	99.6%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



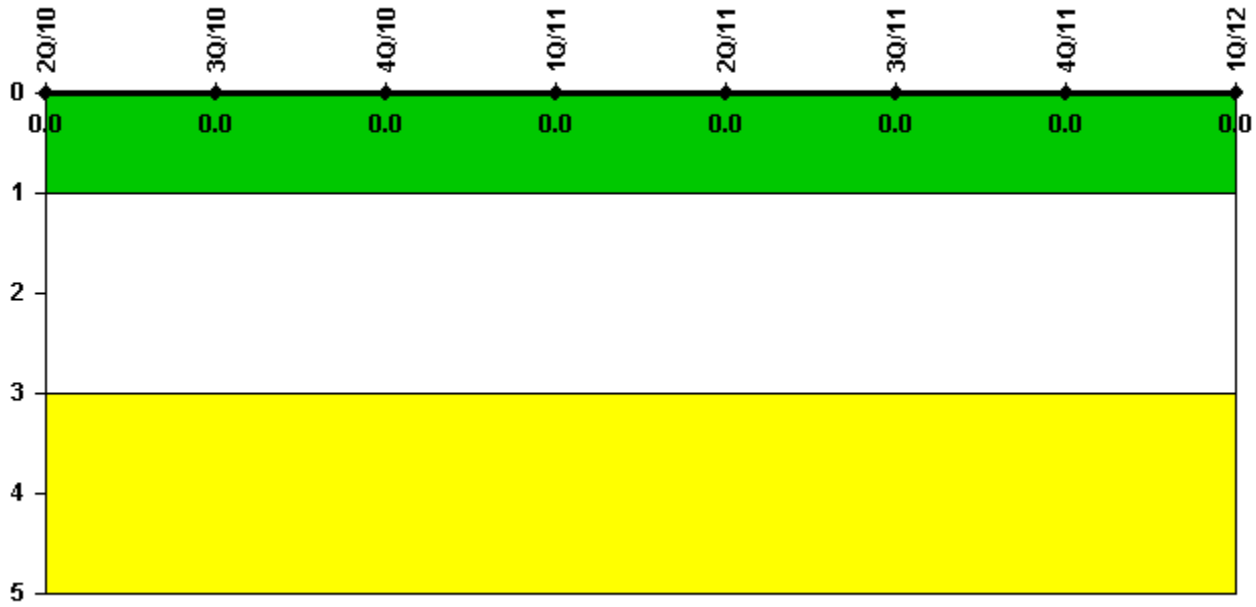
Thresholds: White > 2.0 Yellow > 5.0

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.