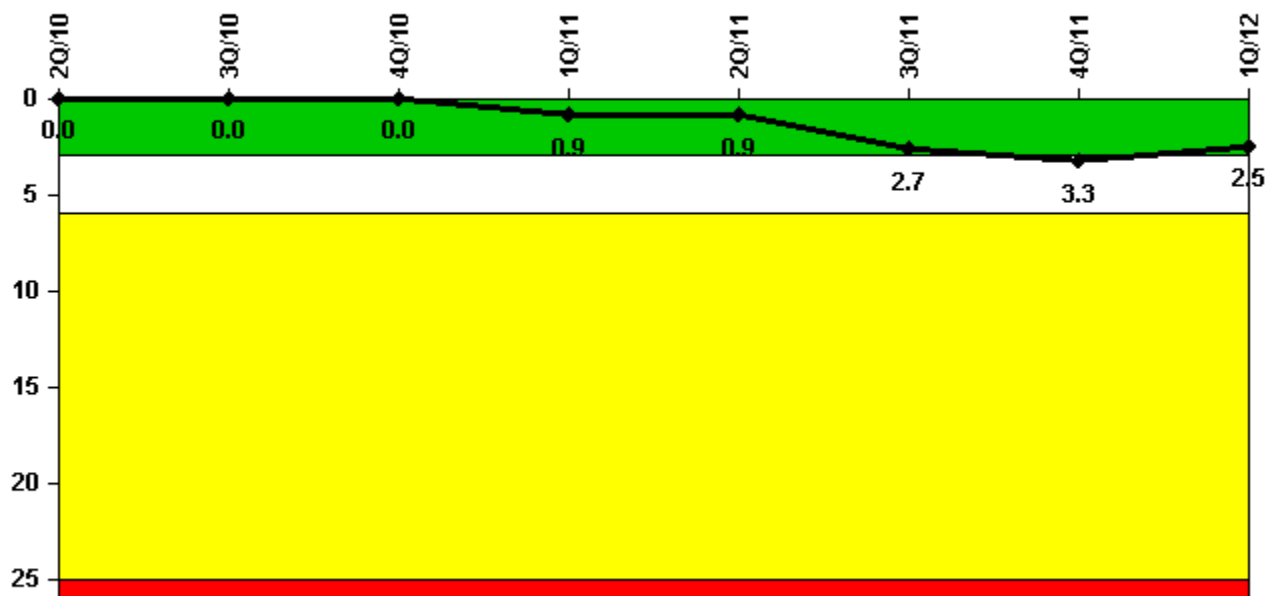


Palisades

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



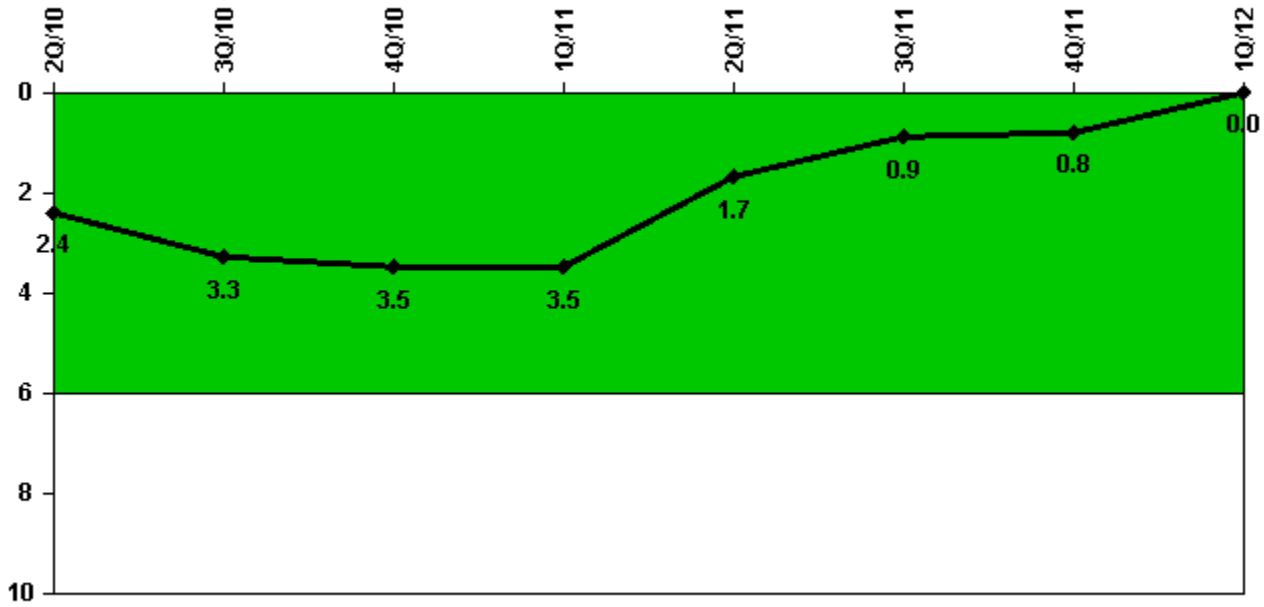
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	0	1.0	0	2.0	1.0	0
Critical hours	2031.9	2167.6	1594.9	2111.3	2184.0	1998.9	2160.5	2108.4
Indicator value	0	0	0	0.9	0.9	2.7	3.3	2.5

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



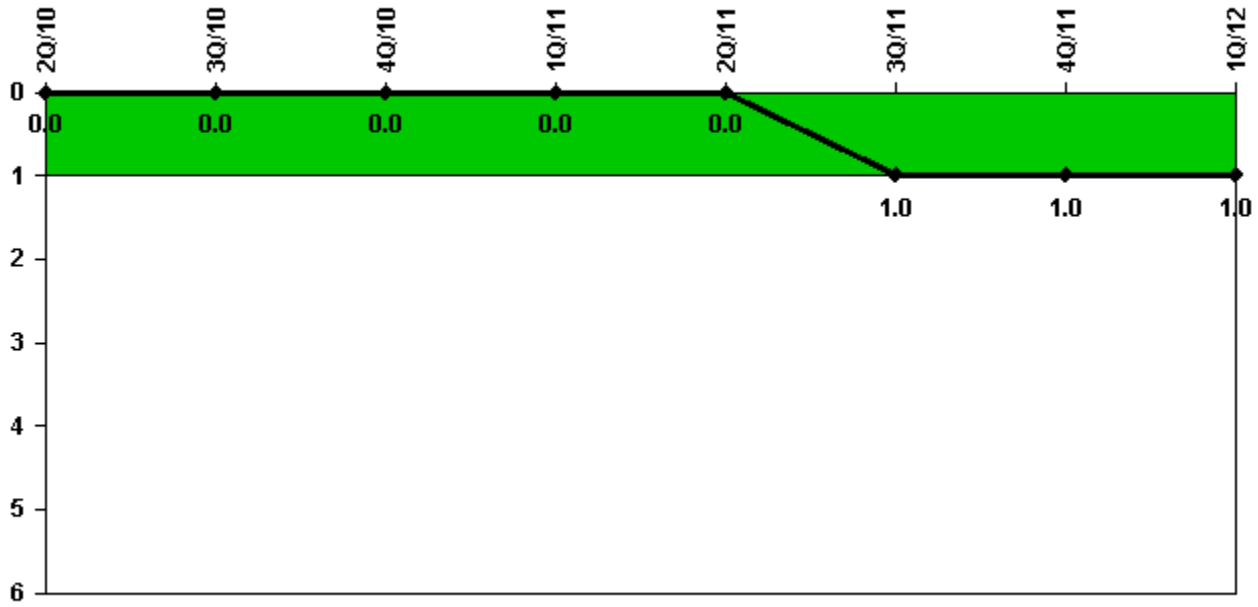
Thresholds: White > 6.0

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	2.0	1.0	0	1.0	0	0	0	0
Critical hours	2031.9	2167.6	1594.9	2111.3	2184.0	1998.9	2160.5	2108.4
Indicator value	2.4	3.3	3.5	3.5	1.7	0.9	0.8	0

Licensee Comments: none

Unplanned Scrams with Complications



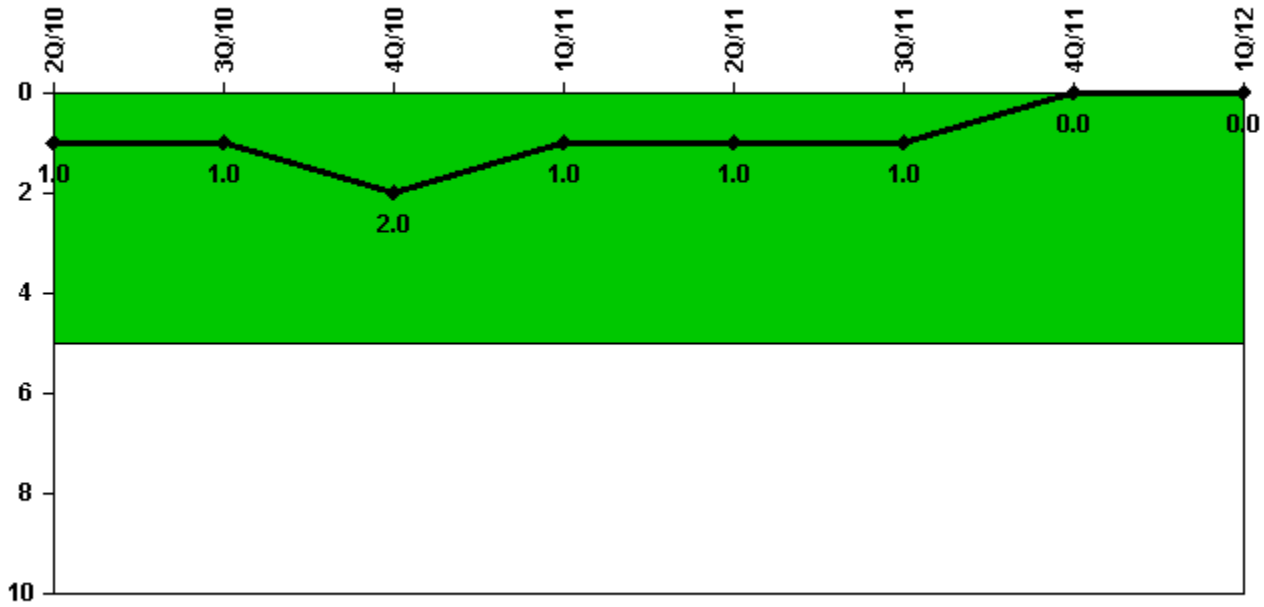
Thresholds: White > 1.0

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	1.0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0

Licensee Comments: none

Safety System Functional Failures (PWR)



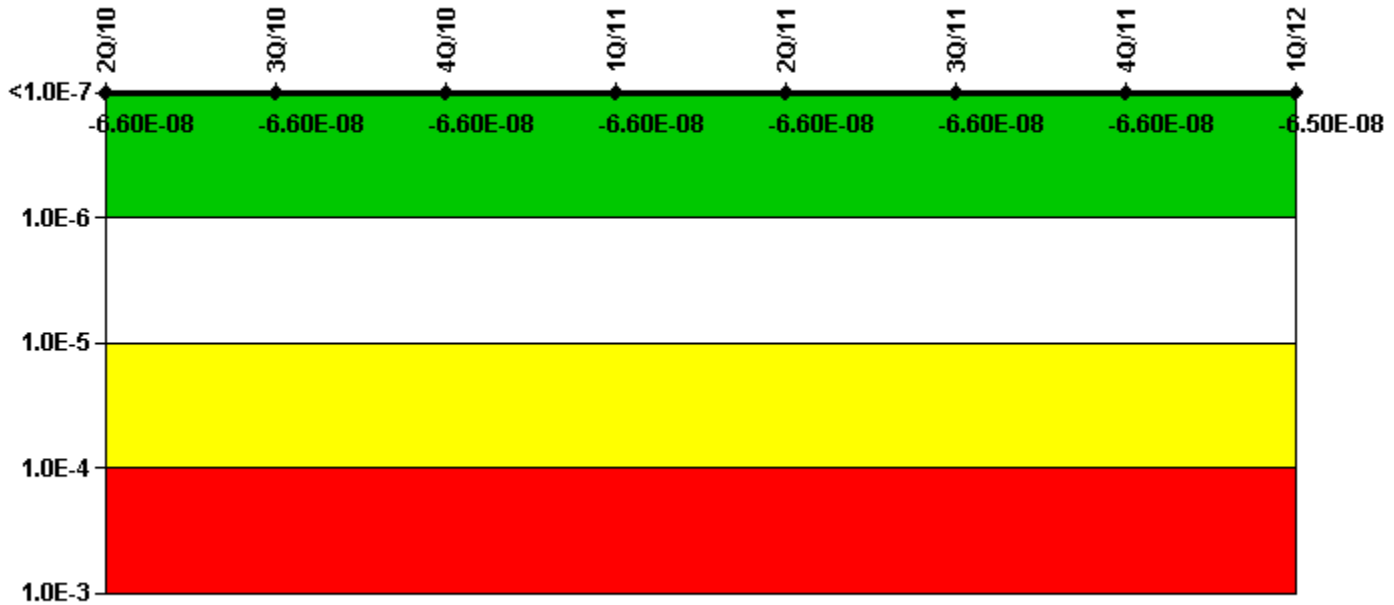
Thresholds: White > 5.0

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	1	0	0	0	0	0
Indicator value	1	1	2	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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	-2.35E-08	-2.36E-08	-2.36E-08	-2.36E-08	-2.36E-08	-2.36E-08	-2.36E-08	-2.36E-08
URI (ΔCDF)	-4.25E-08	-4.25E-08	-4.25E-08	-4.25E-08	-4.25E-08	-4.25E-08	-4.25E-08	-4.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.60E-08	-6.60E-08	-6.60E-08	-6.60E-08	-6.60E-08	-6.60E-08	-6.60E-08	-6.50E-08

Licensee Comments:

1Q/12: MSPI Basis Document update made to address Frequently Asked Question (FAQ) 484 (11-07) "FOTP Failures" and FAQ 480 (11-06) "EDG Run Hour Reporting". Revised Emergency Diesel Generator load demand and run-time estimates due to FAQ 480.

4Q/11: Evaluation of Emergency Diesel Generator K-6BG Jacket Water Pump P-211B Mechanical Seal Leakage from April 2011 concluded No MSPI Failure occurred. (Reference CR-PLP-2011-01933)

3Q/11: Evaluation is pending of Emergency Diesel Generator K-6BG Jacket Water Pump P-211B Mechanical Seal Leakage identified in April 2011. (Reference CR-PLP-2011-01933)

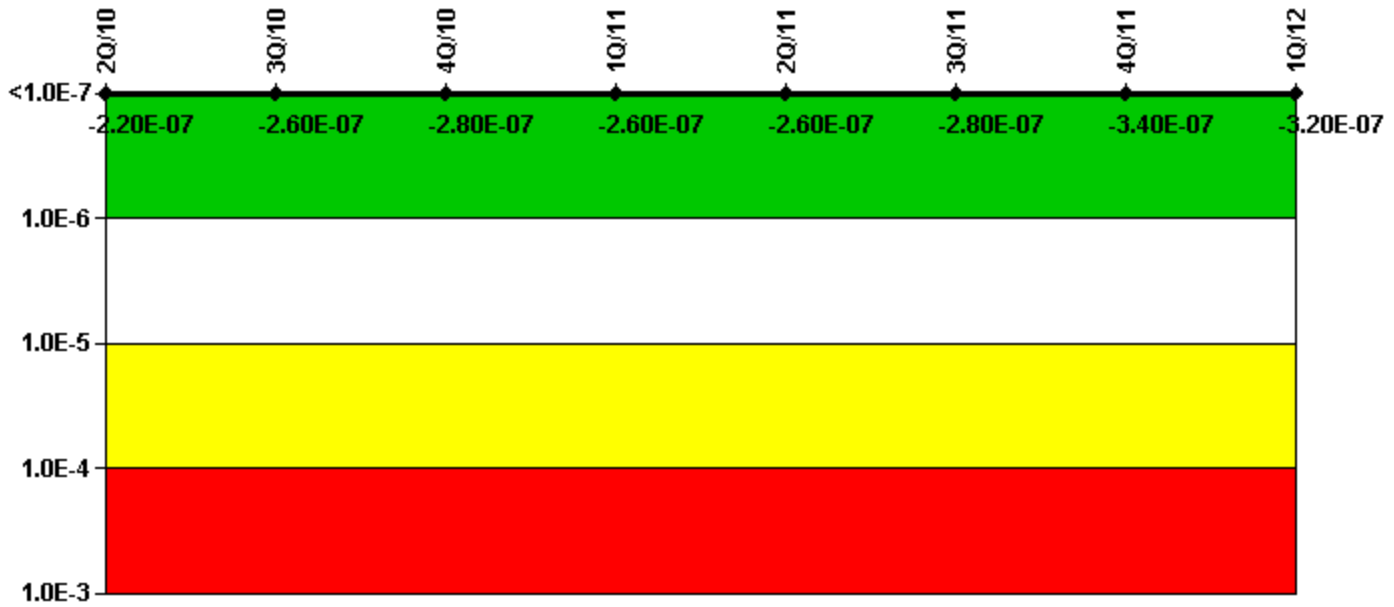
2Q/11: Evaluation is pending of Emergency Diesel Generator K-6BG Jacket Water Pump P-211B Mechanical Seal Leakage identified in April 2011. (Reference CR-PLP-2011-01933)

1Q/11: Evaluation on Emergency Diesel Generator K-6AG turbocharger support cracking identified in November 2010 concluded No MSPI Failure occurred. (Reference CR-PLP-2010-05859)

4Q/10: Evaluation is pending on Emergency Diesel Generator K-6AG turbocharger support cracking identified in November 2010. (Reference CR-PLP-2010-05859)

2Q/10: This submittal includes revision to June 2008 planned unavailability hours for Trains "K-6AG" and "K-6BG". The change was a small increase in hours and had no impact on the indicator color. (Reference CR-PLP-

Mitigating Systems Performance Index, High Pressure Injection System



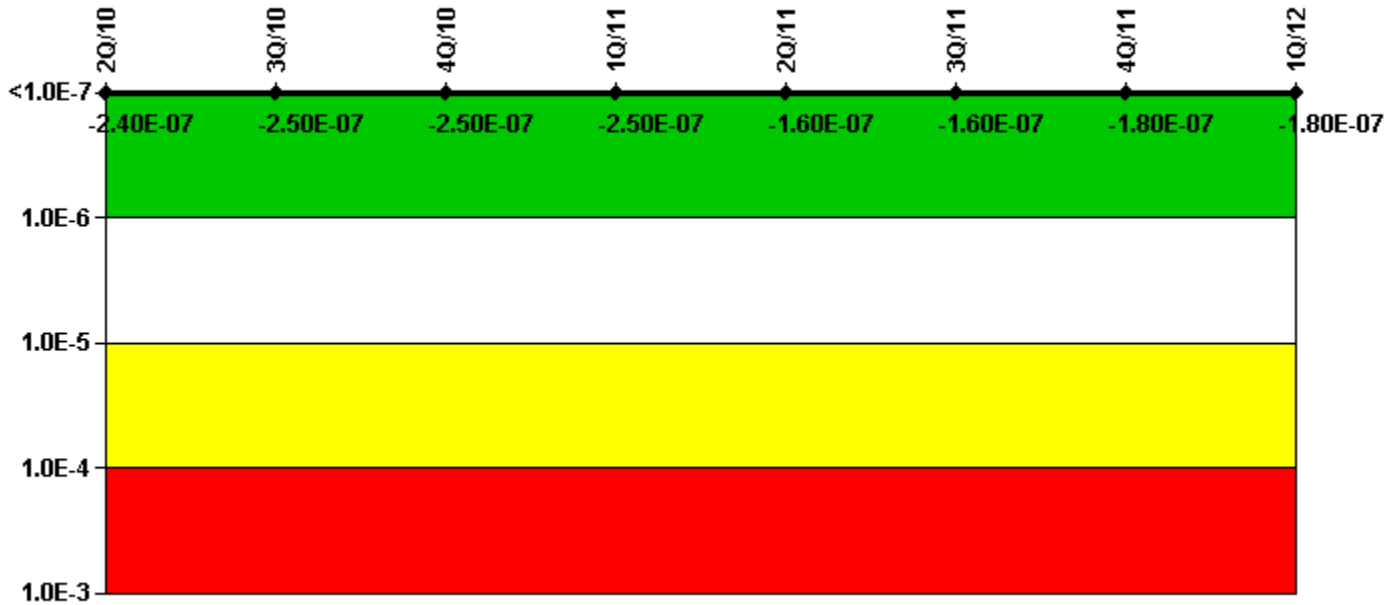
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	4.11E-08	8.73E-09	-1.38E-08	7.23E-09	9.52E-10	-1.30E-08	-7.45E-08	-5.41E-08
URI (Δ CDF)	-2.65E-07	-2.65E-07	-2.65E-07	-2.65E-07	-2.65E-07	-2.65E-07	-2.65E-07	-2.65E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.20E-07	-2.60E-07	-2.80E-07	-2.60E-07	-2.60E-07	-2.80E-07	-3.40E-07	-3.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

Notes

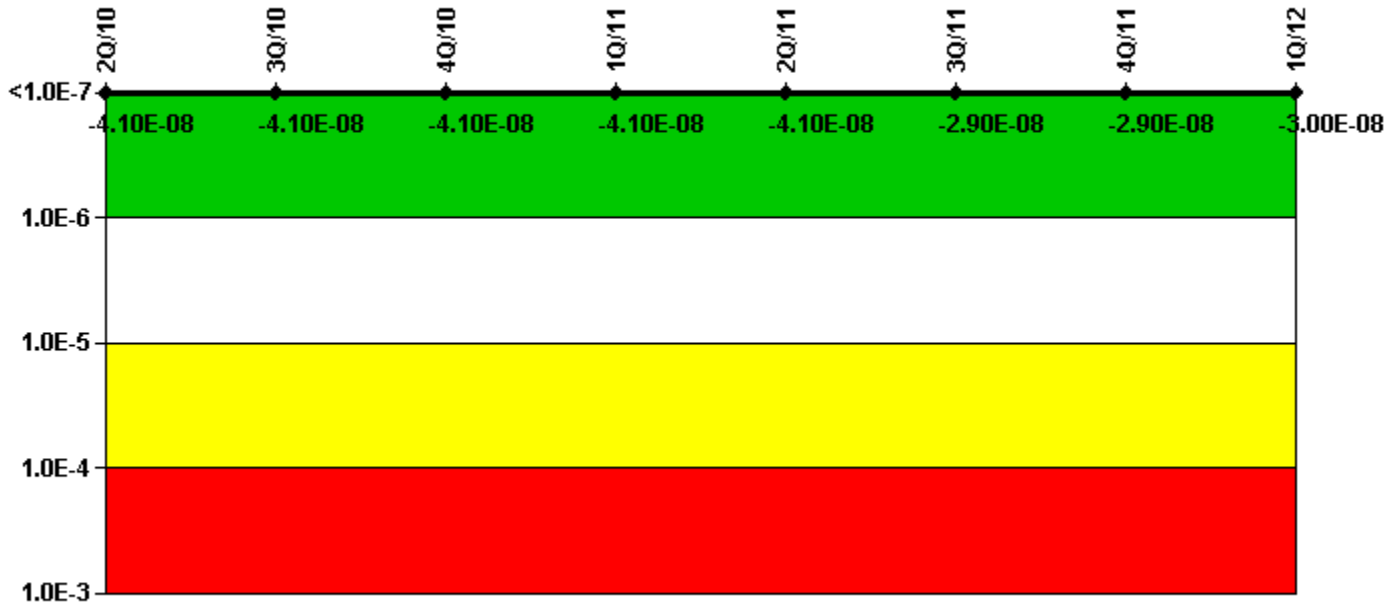
Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	3.36E-08	3.15E-08	3.05E-08	3.21E-08	3.63E-08	3.73E-08	1.92E-08	1.82E-08
URI (Δ CDF)	-2.77E-07	-2.77E-07	-2.77E-07	-2.78E-07	-2.01E-07	-2.01E-07	-2.01E-07	-2.01E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.40E-07	-2.50E-07	-2.50E-07	-2.50E-07	-1.60E-07	-1.60E-07	-1.80E-07	-1.80E-07

Licensee Comments:

3Q/10: Evaluation of Auxiliary Feedwater Pump P-8A motor degradation event from June 2010 concluded No MSPI Failure occurred. (Reference CR-PLP-2010-02367)

2Q/10: Evaluation is pending on Auxiliary Feedwater Pump P-8A motor degradation identified in June 2010. (Reference CR-PLP-2010-02367)

Mitigating Systems Performance Index, Residual Heat Removal System



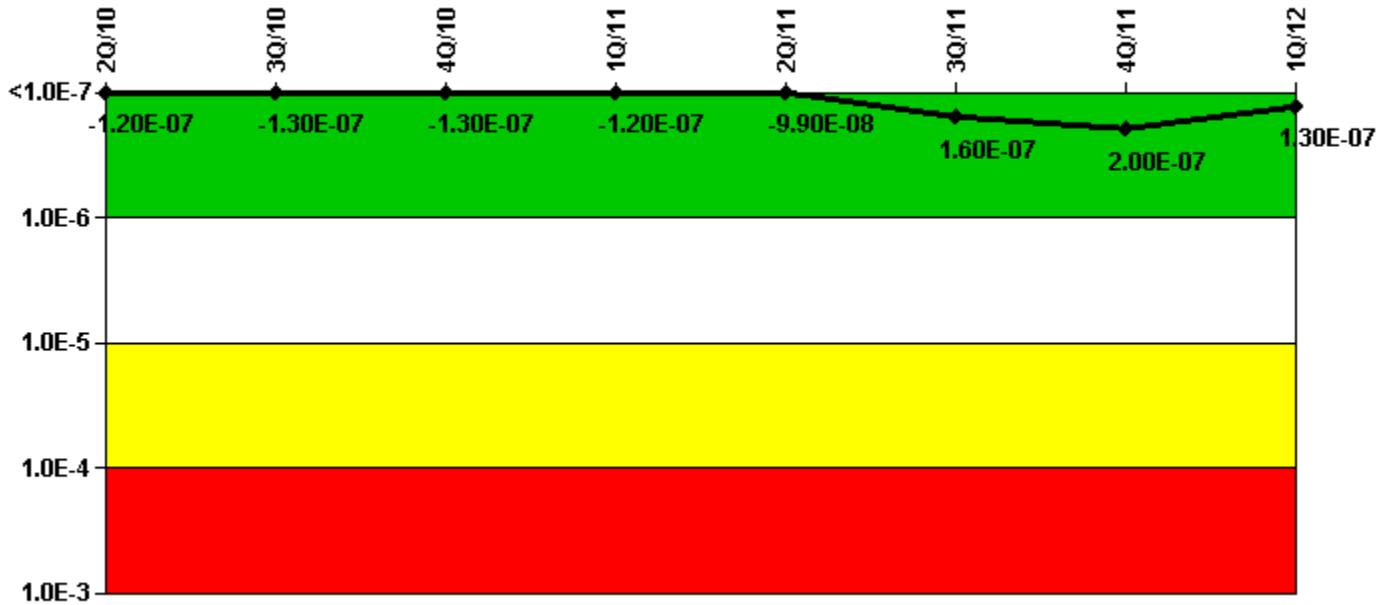
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-3.02E-10	-3.51E-10	-4.08E-10	-3.96E-10	-4.52E-10	1.17E-08	1.11E-08	1.07E-08
URI (Δ CDF)	-4.04E-08	-4.04E-08	-4.04E-08	-4.04E-08	-4.04E-08	-4.04E-08	-4.04E-08	-4.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.10E-08	-4.10E-08	-4.10E-08	-4.10E-08	-4.10E-08	-2.90E-08	-2.90E-08	-3.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

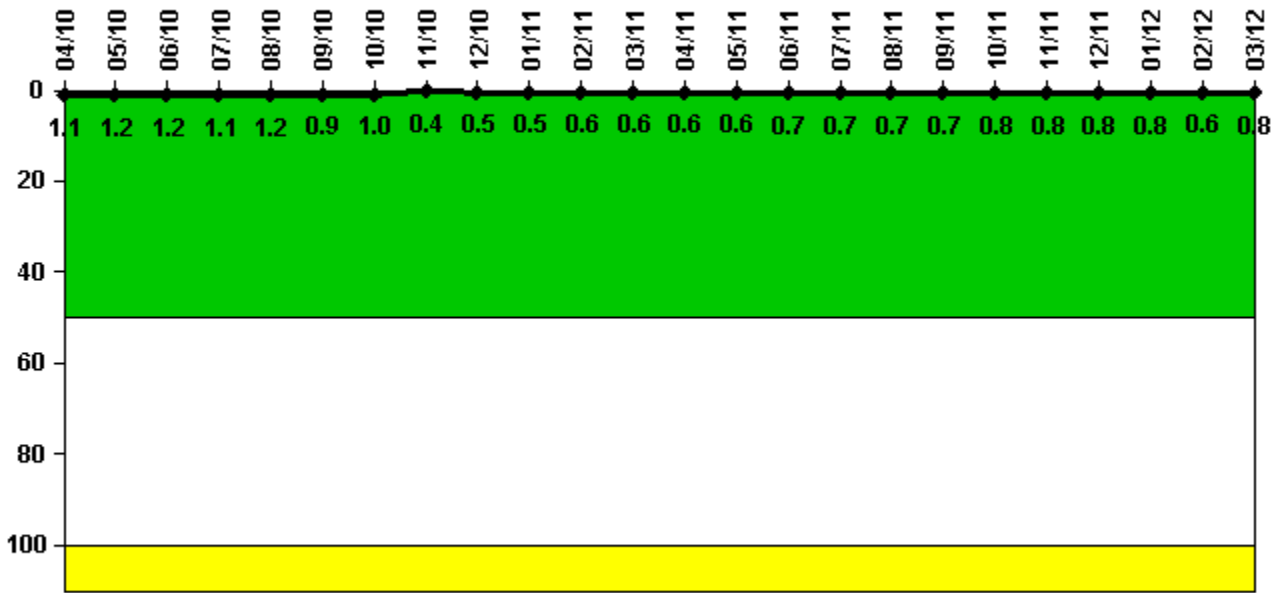
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	6.84E-08	5.75E-08	5.98E-08	6.53E-08	8.72E-08	2.98E-07	3.44E-07	2.75E-07
URI (Δ CDF)	-1.87E-07	-1.87E-07	-1.87E-07	-1.87E-07	-1.87E-07	-1.42E-07	-1.42E-07	-1.42E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-07	-1.30E-07	-1.30E-07	-1.20E-07	-9.90E-08	1.60E-07	2.00E-07	1.30E-07

Licensee Comments:

1Q/12: MSPI Basis Document update made to address Frequently Asked Question (FAQ) 482 (11-01) "Cooling Water Boundary".

Reactor Coolant System Activity



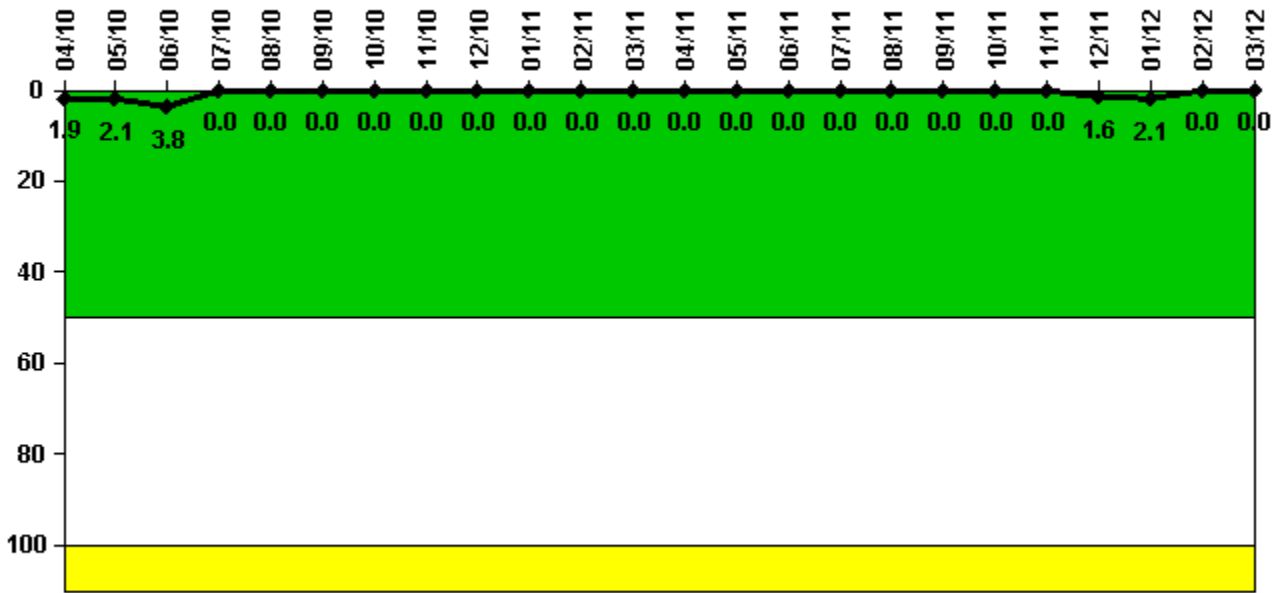
Thresholds: White > 50.0 Yellow > 100.0

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	0.010600	0.011600	0.012100	0.010500	0.012300	0.009200	0.010100	0.004300	0.005100	0.005050	0.005660	0.005970
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	1.1	1.2	1.2	1.1	1.2	0.9	1.0	0.4	0.5	0.5	0.6	0.6
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	0.005970	0.006320	0.006520	0.006810	0.007120	0.007170	0.007630	0.007830	0.007790	0.008060	0.006240	0.007910
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	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.6	0.8

Licensee Comments: none

Reactor Coolant System Leakage



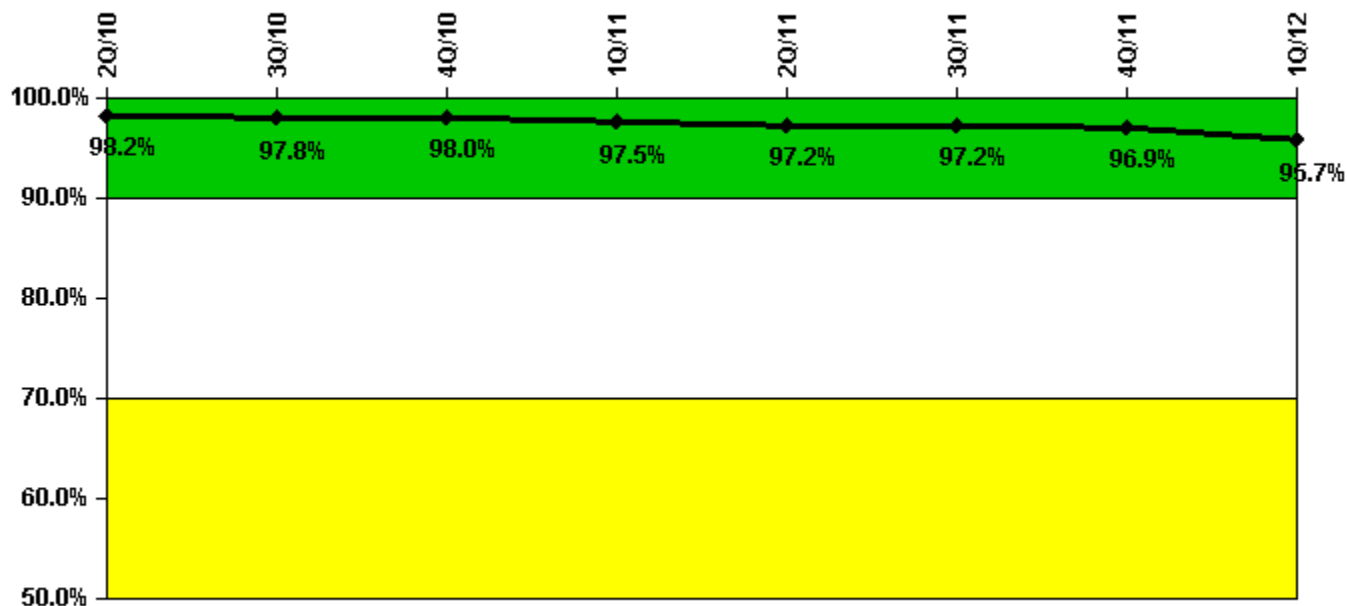
Thresholds: White > 50.0 Yellow > 100.0

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	0.185	0.211	0.383	0.003	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001
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	1.9	2.1	3.8	0	0	0	0	0	0	0	0	0
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	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.159	0.211	0.001	0.001
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	0	0	0	0	0	0	1.6	2.1	0	0

Licensee Comments: none

Drill/Exercise Performance



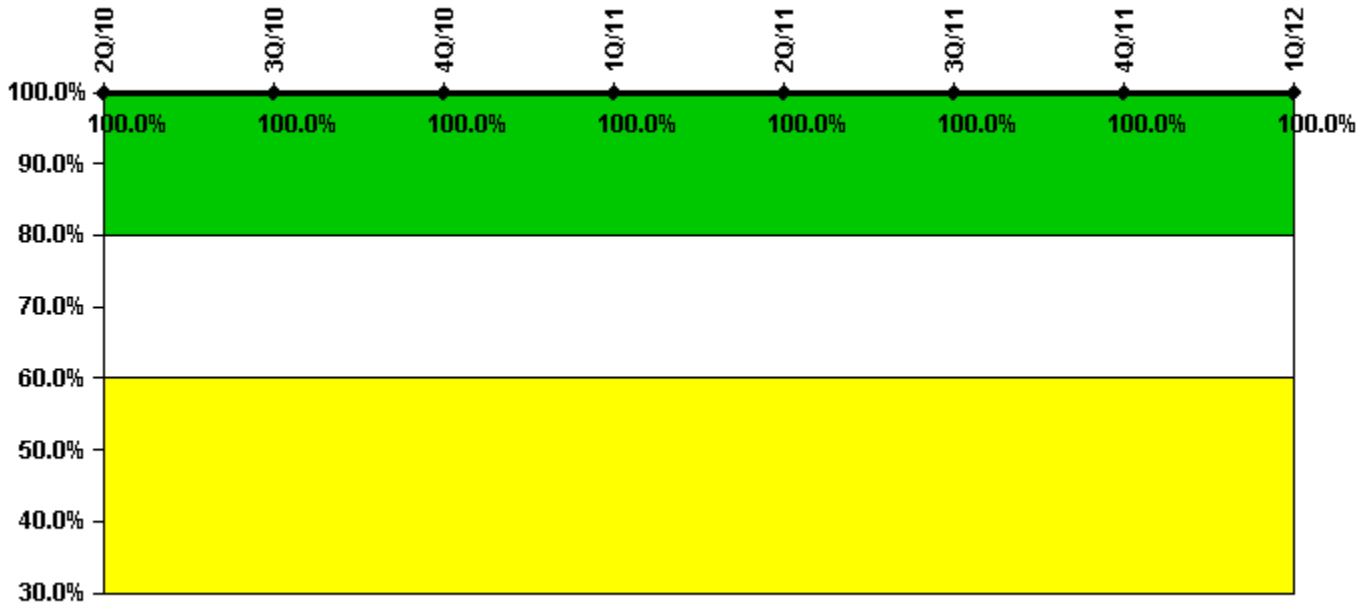
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	28.0	23.0	32.0	77.0	50.0	24.0	19.0	34.0
Total opportunities	30.0	24.0	32.0	80.0	52.0	25.0	20.0	37.0
Indicator value	98.2%	97.8%	98.0%	97.5%	97.2%	97.2%	96.9%	95.7%

Licensee Comments: none

ERO Drill Participation



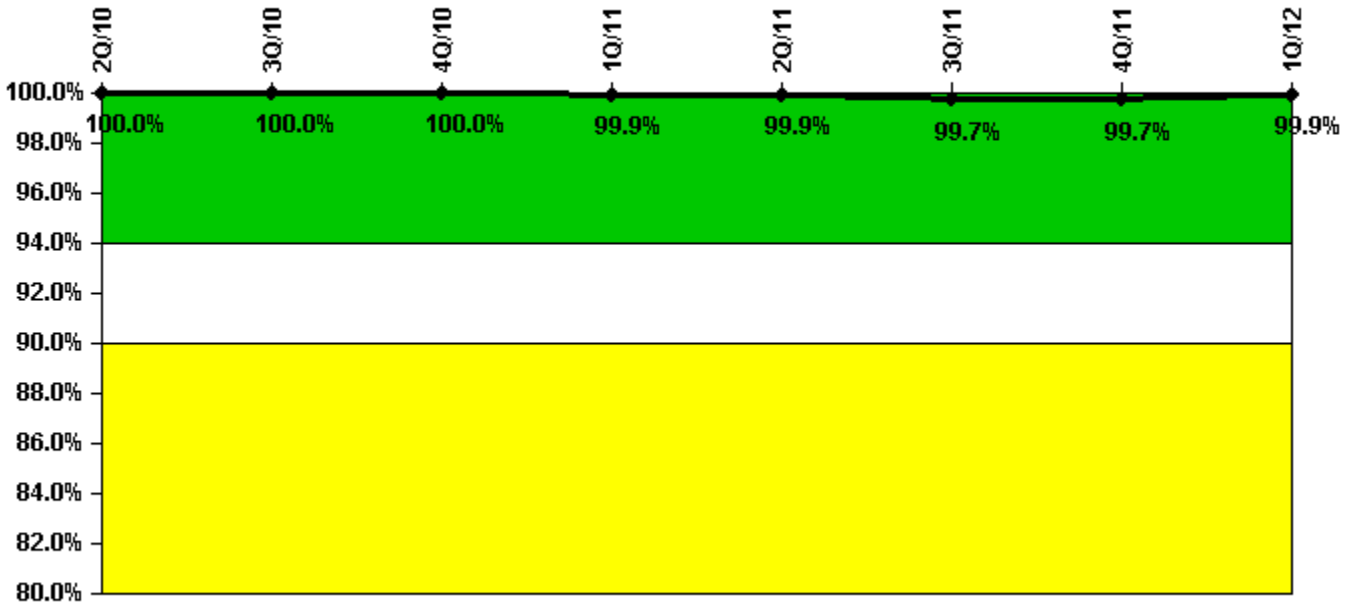
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	80.0	82.0	81.0	80.0	82.0	85.0	87.0	85.0
Total Key personnel	80.0	82.0	81.0	80.0	82.0	85.0	87.0	85.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



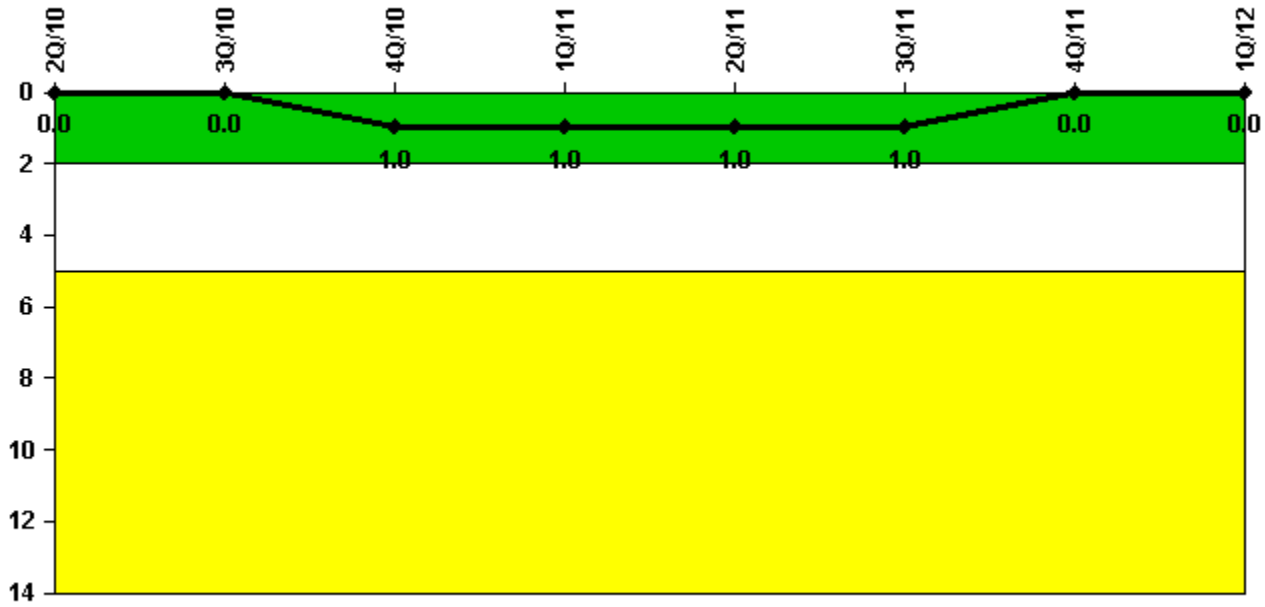
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	183	183	183	182	183	182	183	183
Total sirens-tests	183	183	183	183	183	183	183	183
Indicator value	100.0%	100.0%	100.0%	99.9%	99.9%	99.7%	99.7%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



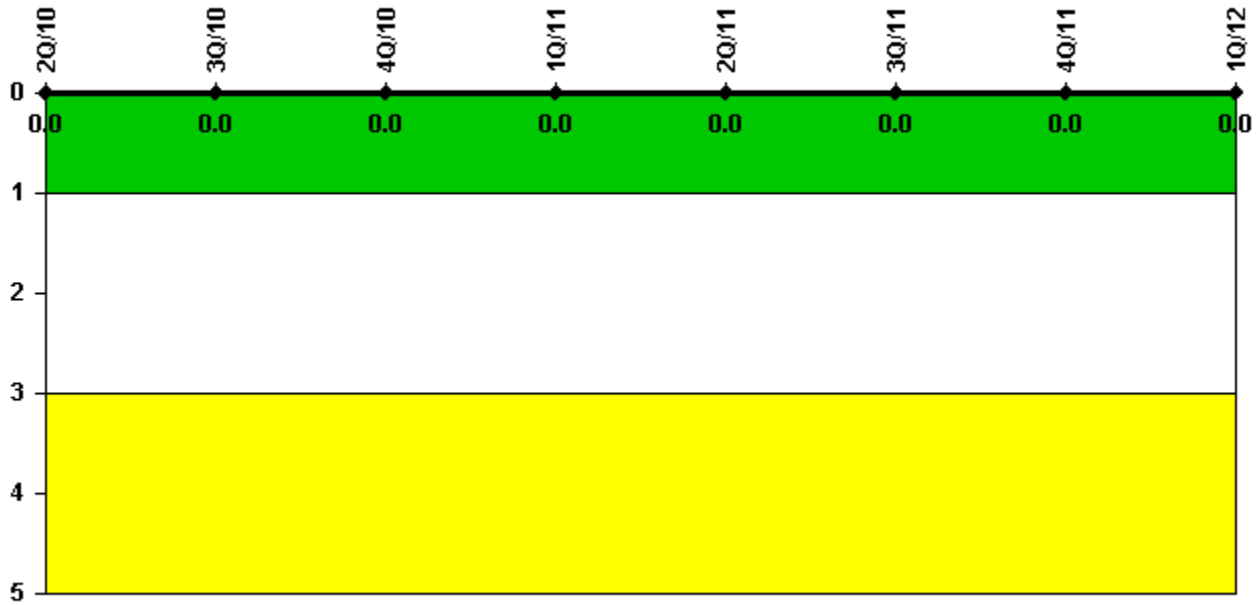
Thresholds: White > 2.0 Yellow > 5.0

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	1	0	0	0	0	0
Indicator value	0	0	1	1	1	1	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.