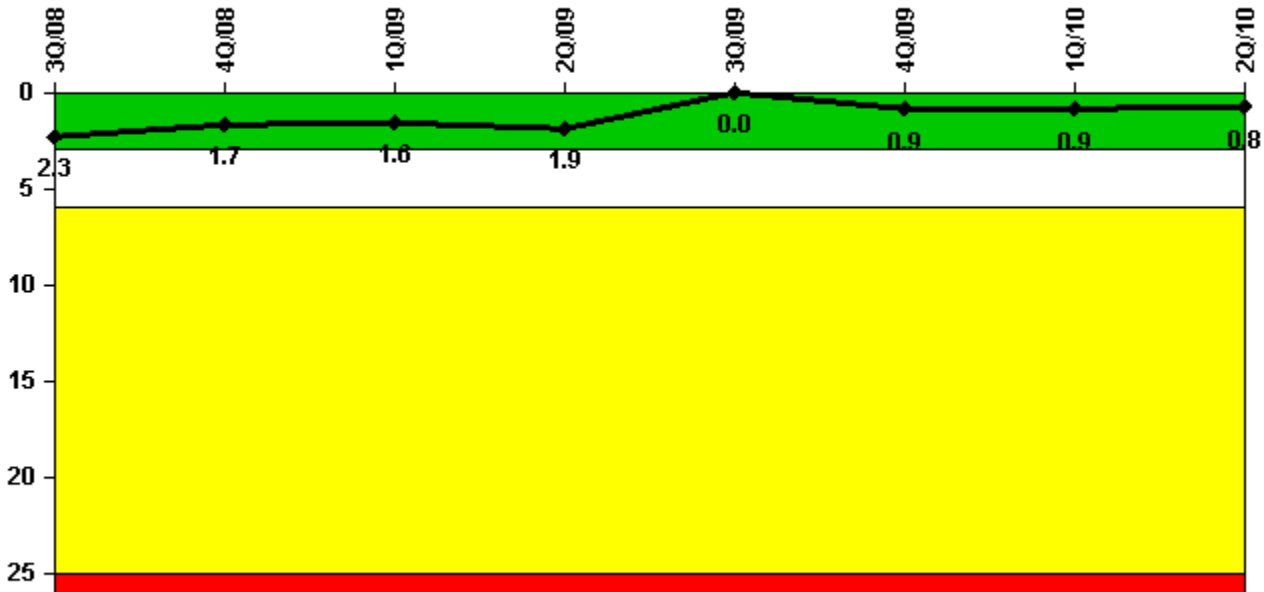


Palo Verde 3

2Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



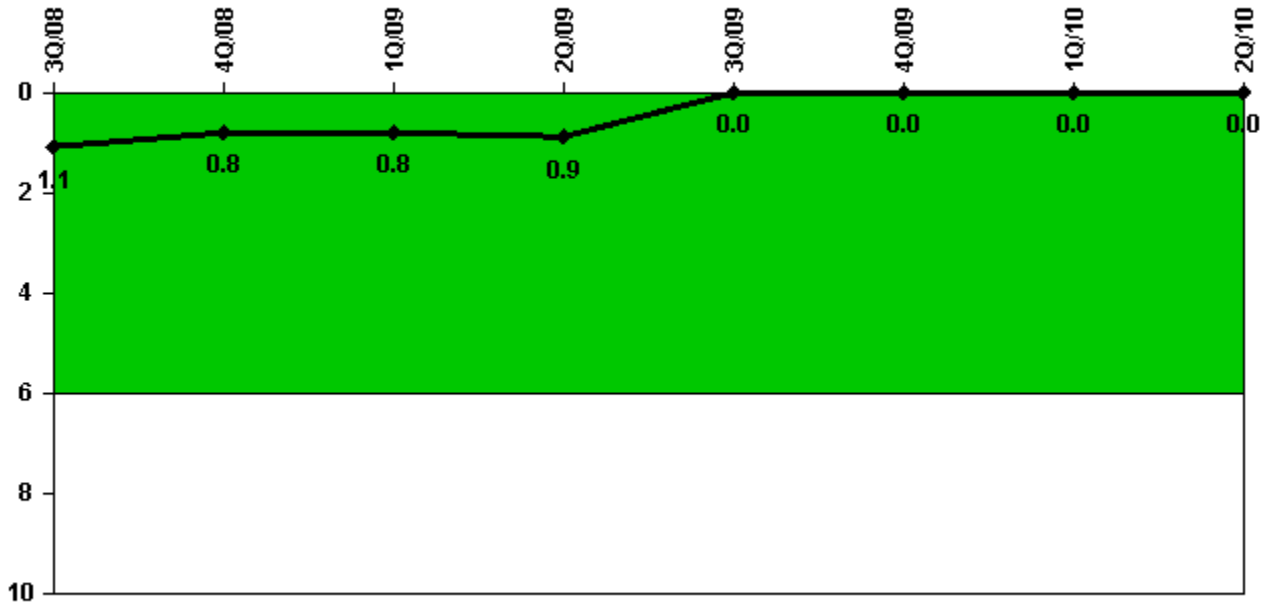
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	2.0	0	0	0	0	1.0	0	0
Critical hours	2091.2	2208.0	2160.0	919.4	2208.0	2155.7	2160.0	2184.0
Indicator value	2.3	1.7	1.6	1.9	0	0.9	0.9	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



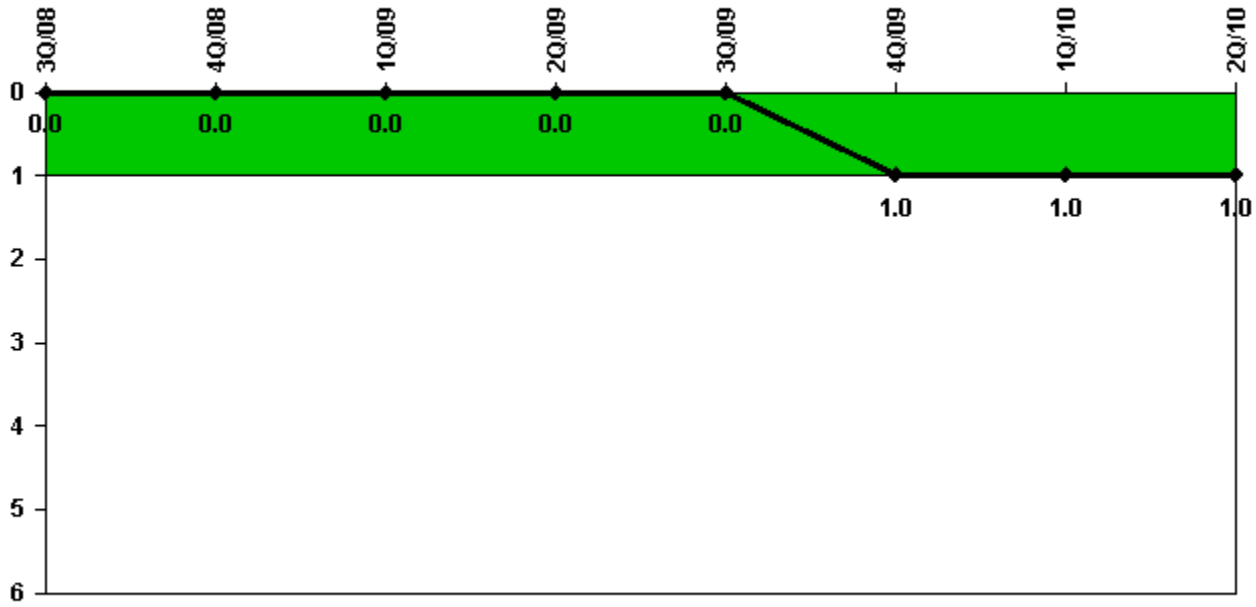
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2091.2	2208.0	2160.0	919.4	2208.0	2155.7	2160.0	2184.0
Indicator value	1.1	0.8	0.8	0.9	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

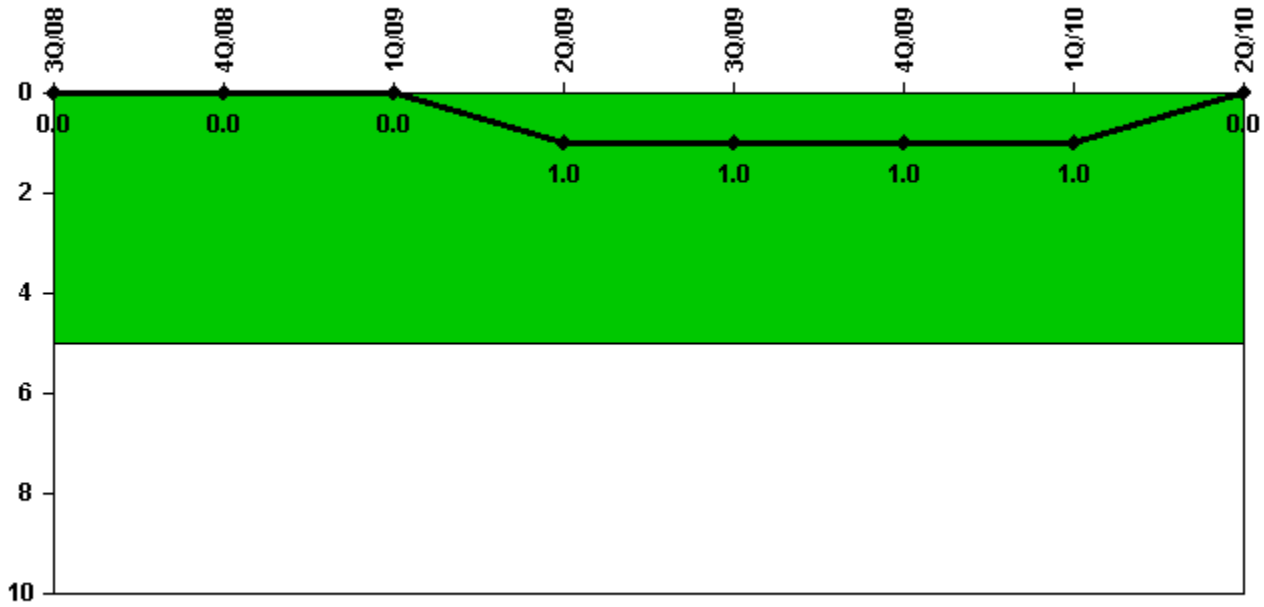
Notes

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

4Q/09: Plant specific FAQ 10-05 for the Unit 3 scram that occurred on December 3, 2009 was approved in May 2010. The event should be counted under this PI. No color change occurred as a result.

Safety System Functional Failures (PWR)



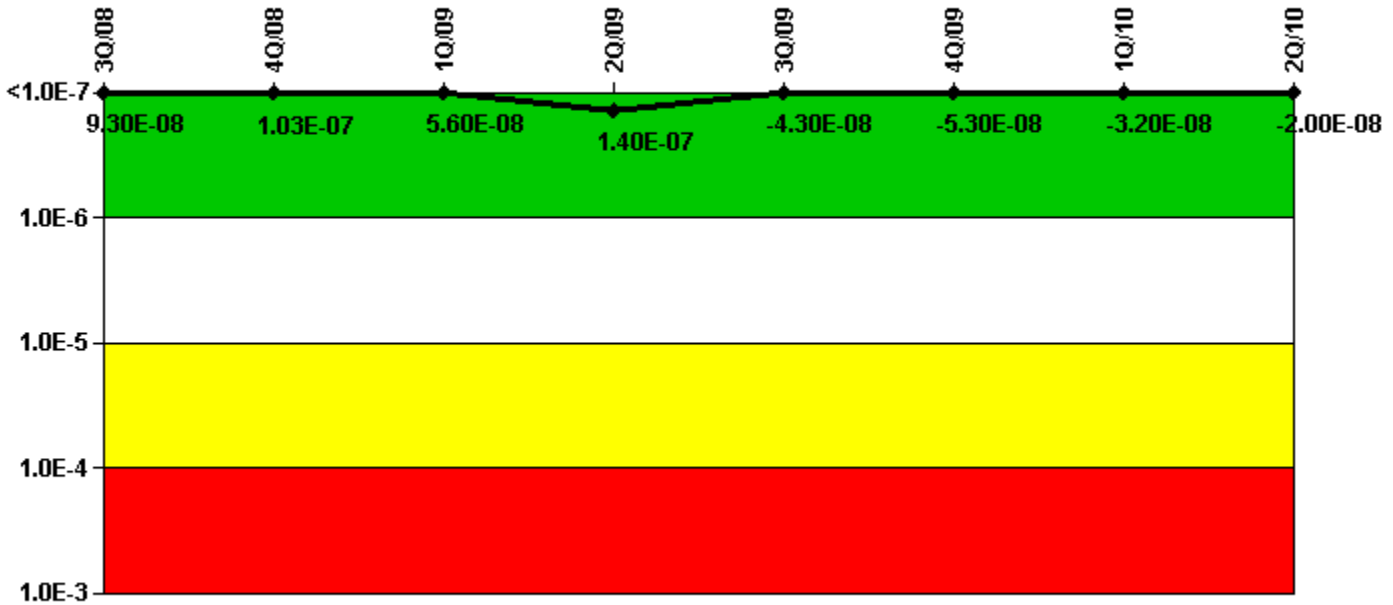
Thresholds: White > 5.0

Notes

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

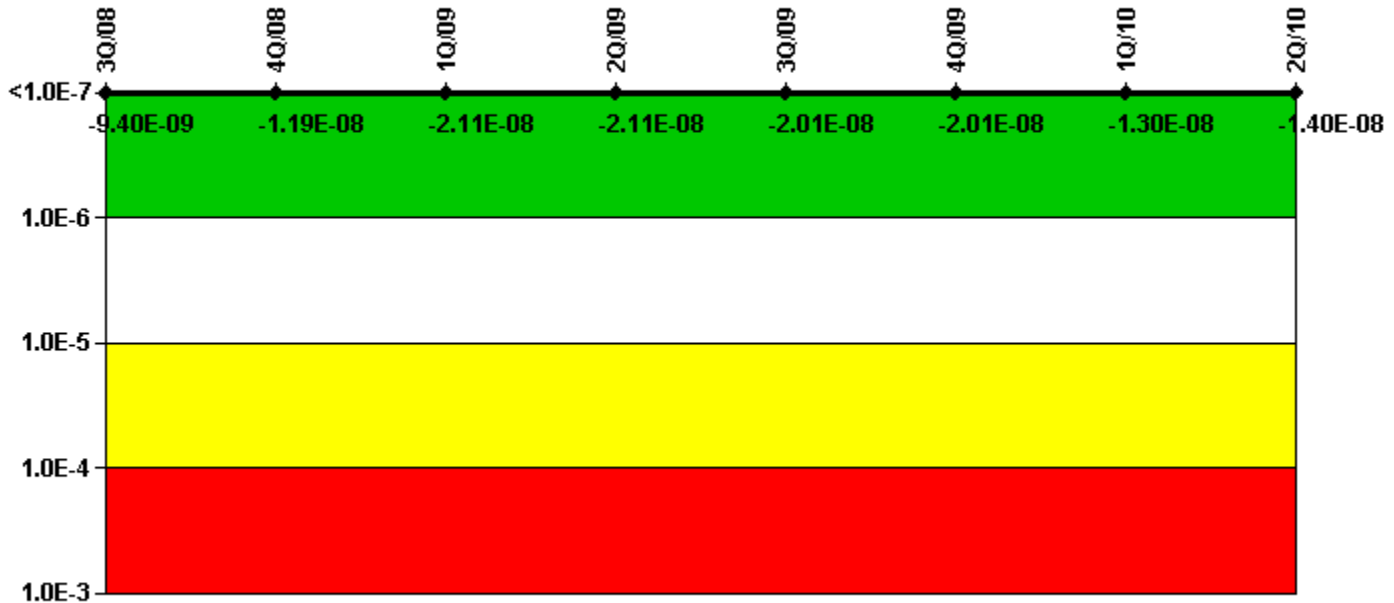
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	1.60E-07	1.70E-07	4.87E-08	4.35E-08	3.55E-08	2.89E-08	1.55E-08	1.13E-08
URI (Δ CDF)	-6.70E-08	-6.70E-08	6.90E-09	9.47E-08	-7.89E-08	-8.19E-08	-4.80E-08	-3.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.30E-08	1.03E-07	5.60E-08	1.40E-07	-4.30E-08	-5.30E-08	-3.20E-08	-2.00E-08

Licensee Comments:

2Q/10: PRA model was revised March 25, 2010 with corresponding MSPI Model revision. This resulted in revision to plant base CDF values and corresponding Fussel-Vessely, Unavailability, and Unreliability values for monitored systems.

Mitigating Systems Performance Index, High Pressure Injection System



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

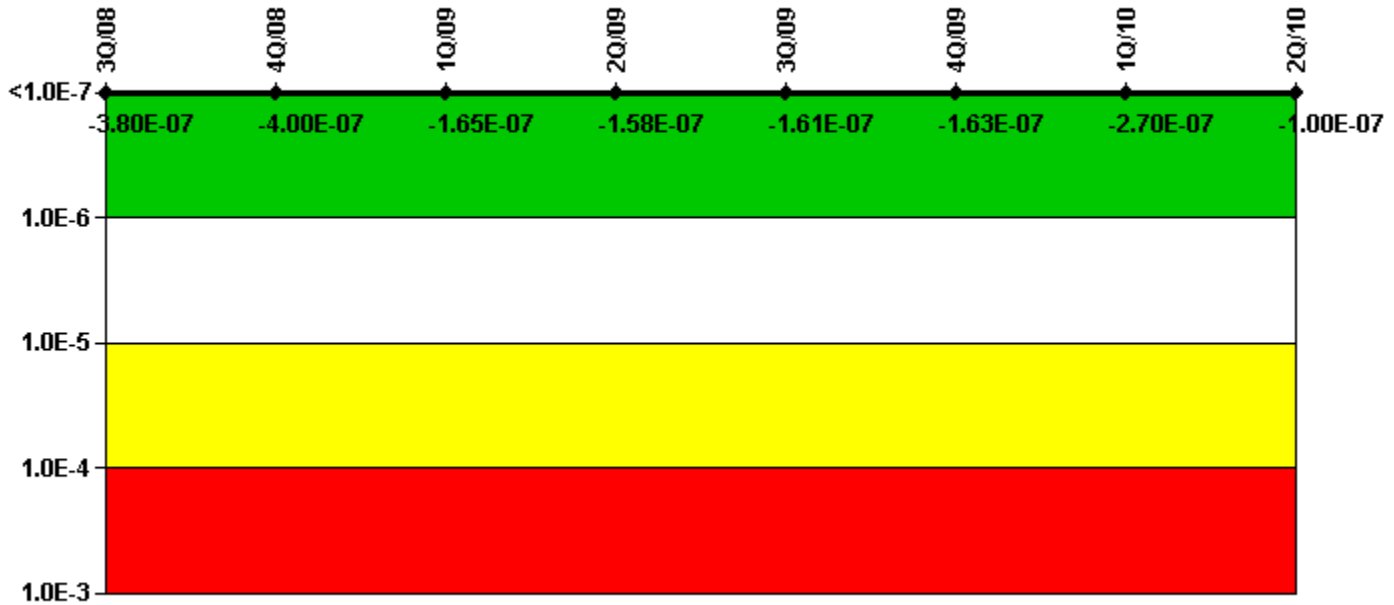
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	5.60E-09	3.10E-09	1.90E-09	1.90E-09	1.90E-09	1.90E-09	8.09E-10	-3.41E-10
URI (Δ CDF)	-1.50E-08	-1.50E-08	-2.30E-08	-2.30E-08	-2.20E-08	-2.20E-08	-1.40E-08	-1.34E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.40E-09	-1.19E-08	-2.11E-08	-2.11E-08	-2.01E-08	-2.01E-08	-1.30E-08	-1.40E-08

Licensee Comments:

2Q/10: PRA model was revised March 25, 2010 with corresponding MSPI Model revision. This resulted in revision to plant base CDF values and corresponding Fussel-Vessely, Unavailability, and Unreliability values for monitored systems.

Mitigating Systems Performance Index, Heat Removal System



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

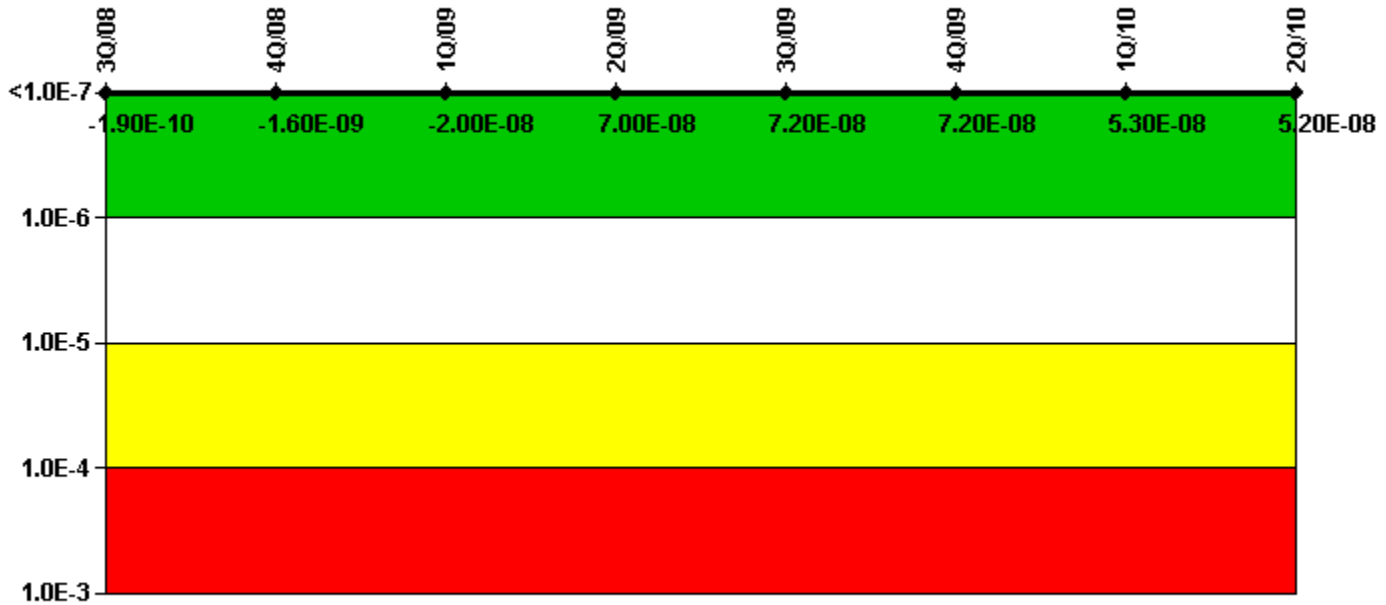
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-1.50E-07	-1.70E-07	-6.70E-08	-6.00E-08	-6.30E-08	-6.30E-08	-1.33E-07	-4.19E-08
URI (Δ CDF)	-2.30E-07	-2.30E-07	-9.80E-08	-9.80E-08	-9.80E-08	-1.00E-07	-1.42E-07	-5.81E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-07	-4.00E-07	-1.65E-07	-1.58E-07	-1.61E-07	-1.63E-07	-2.70E-07	-1.00E-07

Licensee Comments:

2Q/10: PRA model was revised March 25, 2010 with corresponding MSPI Model revision. This resulted in revision to plant base CDF values and corresponding Fussel-Vessely, Unavailability, and Unreliability values for monitored systems.

Mitigating Systems Performance Index, Residual Heat Removal System



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

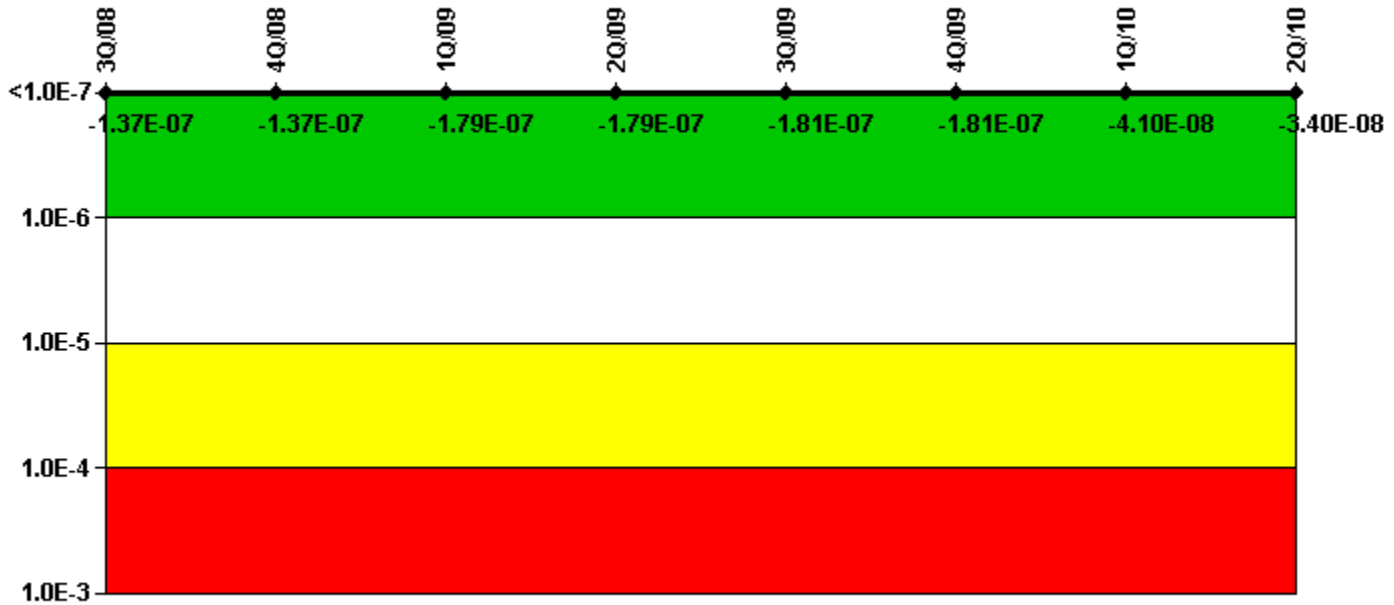
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	8.77E-09	7.31E-09	2.59E-09	1.70E-09	3.29E-09	2.65E-09	1.36E-09	8.97E-10
URI (Δ CDF)	-8.96E-09	-8.96E-09	-2.31E-08	6.82E-08	6.90E-08	6.96E-08	5.13E-08	5.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-10	-1.60E-09	-2.00E-08	7.00E-08	7.20E-08	7.20E-08	5.30E-08	5.20E-08

Licensee Comments:

2Q/10: PRA model was revised March 25, 2010 with corresponding MSPI Model revision. This resulted in revision to plant base CDF values and corresponding Fussel-Vessely, Unavailability, and Unreliability values for monitored systems.

Mitigating Systems Performance Index, Cooling Water Systems



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

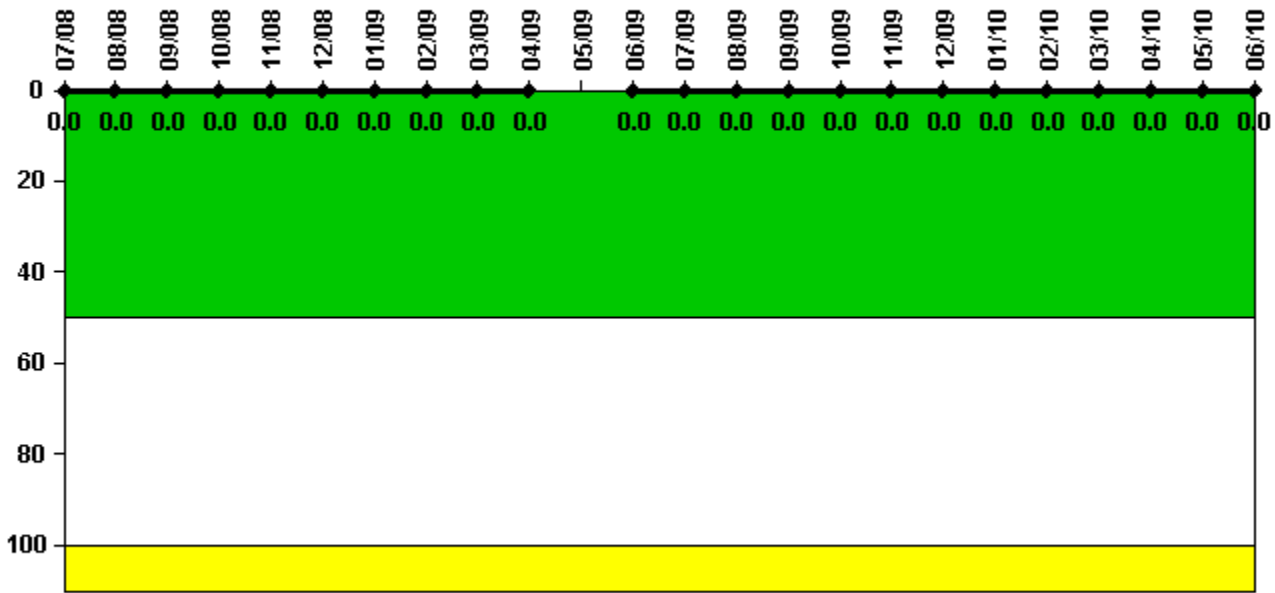
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	2.30E-08	2.30E-08	1.10E-08	1.10E-08	9.30E-09	9.30E-09	8.59E-09	6.11E-09
URI (Δ CDF)	-1.60E-07	-1.60E-07	-1.90E-07	-1.90E-07	-1.90E-07	-1.90E-07	-4.99E-08	-4.05E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.37E-07	-1.37E-07	-1.79E-07	-1.79E-07	-1.81E-07	-1.81E-07	-4.10E-08	-3.40E-08

Licensee Comments:

2Q/10: PRA model was revised March 25, 2010 with corresponding MSPI Model revision. This resulted in revision to plant base CDF values and corresponding Fussel-Vessely, Unavailability, and Unreliability values for monitored systems.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

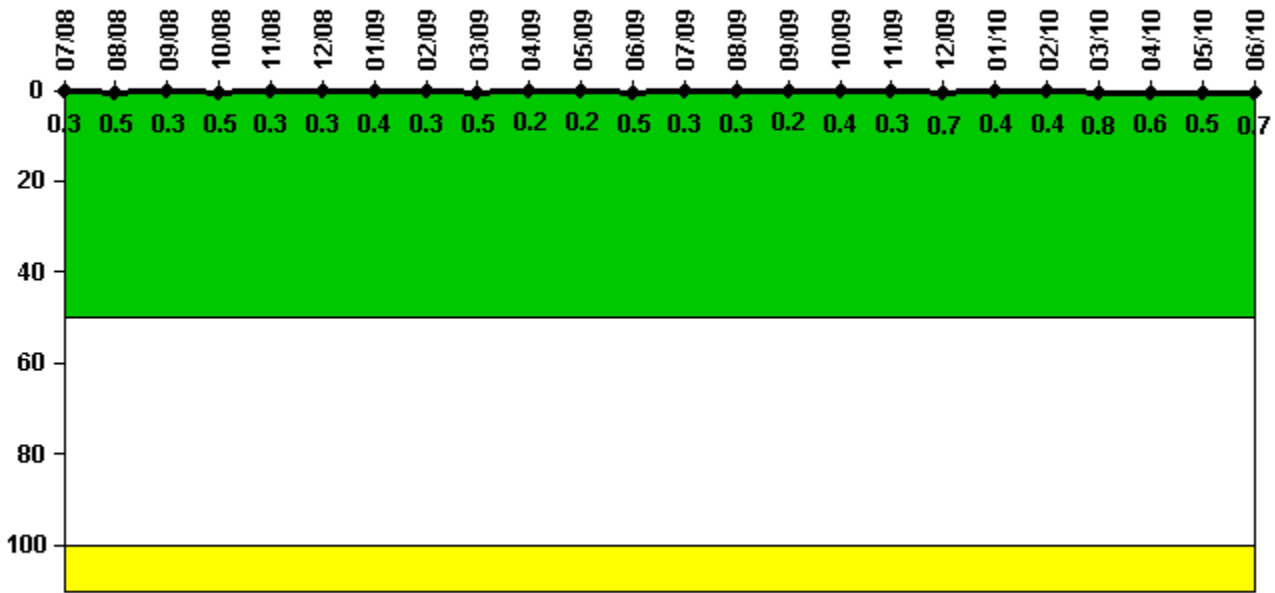
Notes

Reactor Coolant System Activity	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum activity	0.000178	0.000181	0.000181	0.000190	0.000188	0.000194	0.000191	0.000200	0.000198	0.000185	N/A	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	N/A	0

Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.000165	0.000163	0.000177	0.000179	0.000190	0.000252	0.000195	0.000194	0.000200	0.000200	0.000200	0.000196
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



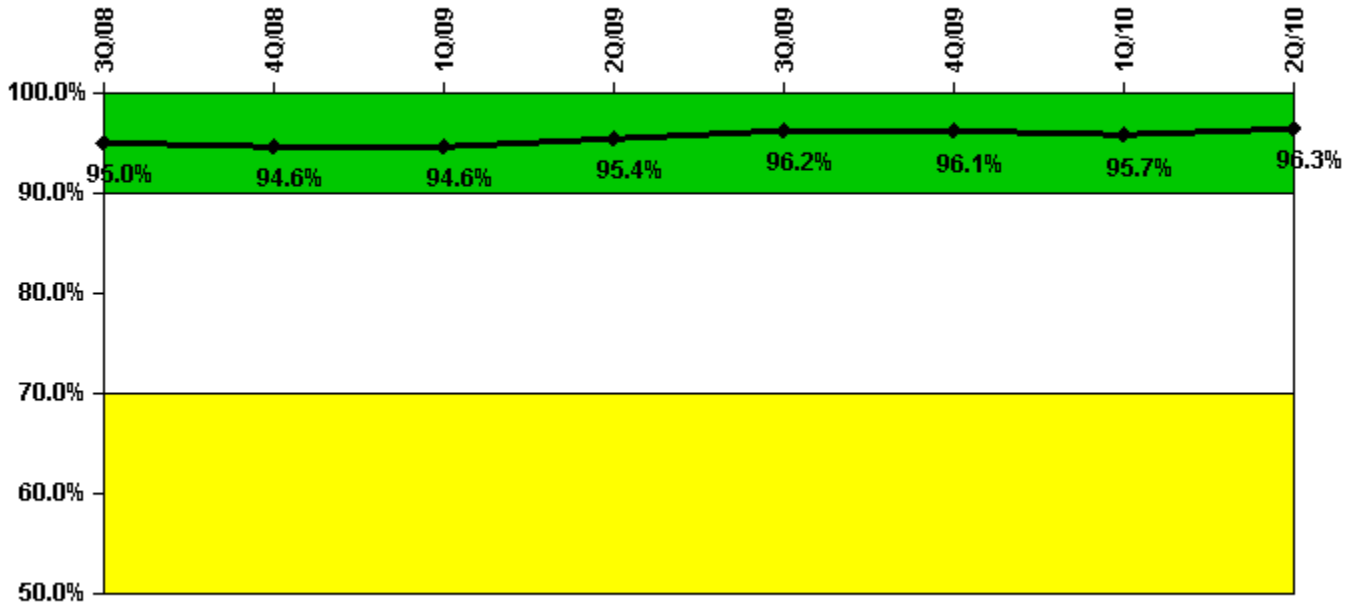
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0.033	0.053	0.032	0.050	0.027	0.029	0.037	0.031	0.050	0.018	0.017	0.053
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	0.5	0.3	0.5	0.3	0.3	0.4	0.3	0.5	0.2	0.2	0.5
Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	0.033	0.034	0.023	0.041	0.027	0.067	0.041	0.040	0.081	0.057	0.054	0.073
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	0.4	0.3	0.7	0.4	0.4	0.8	0.6	0.5	0.7

Licensee Comments: none

Drill/Exercise Performance



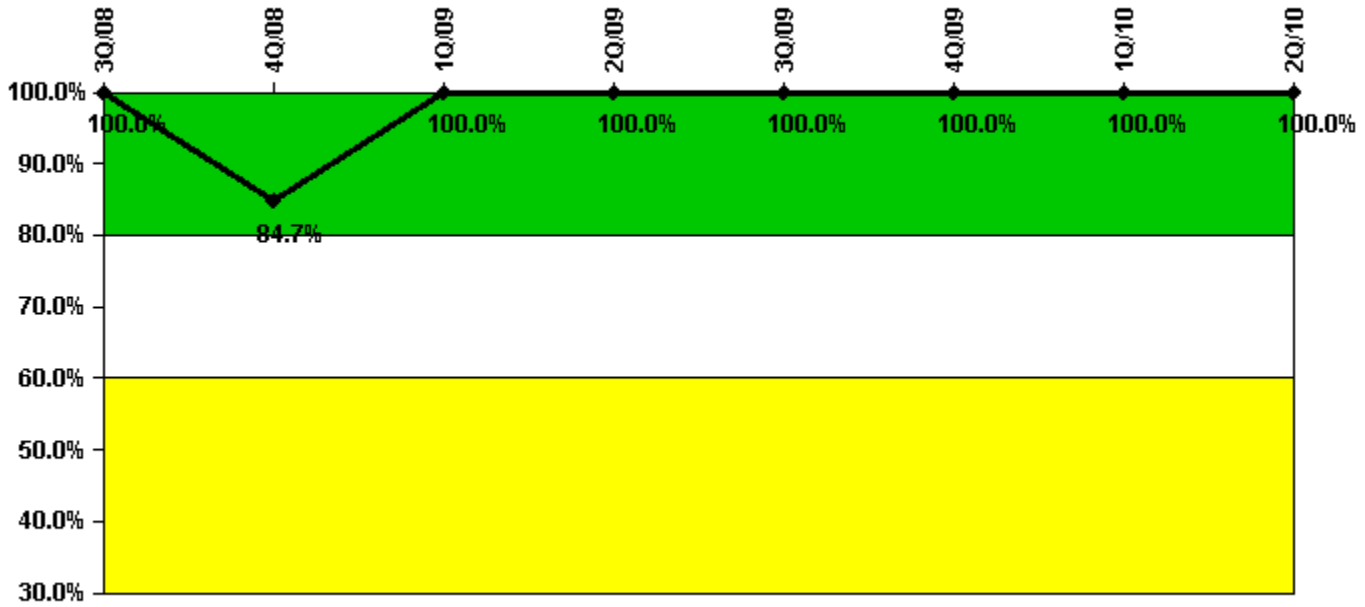
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	43.0	35.0	75.0	109.0	49.0	13.0	87.0	81.0
Total opportunities	43.0	39.0	79.0	112.0	50.0	14.0	90.0	84.0
Indicator value	95.0%	94.6%	94.6%	95.4%	96.2%	96.1%	95.7%	96.3%

Licensee Comments: none

ERO Drill Participation



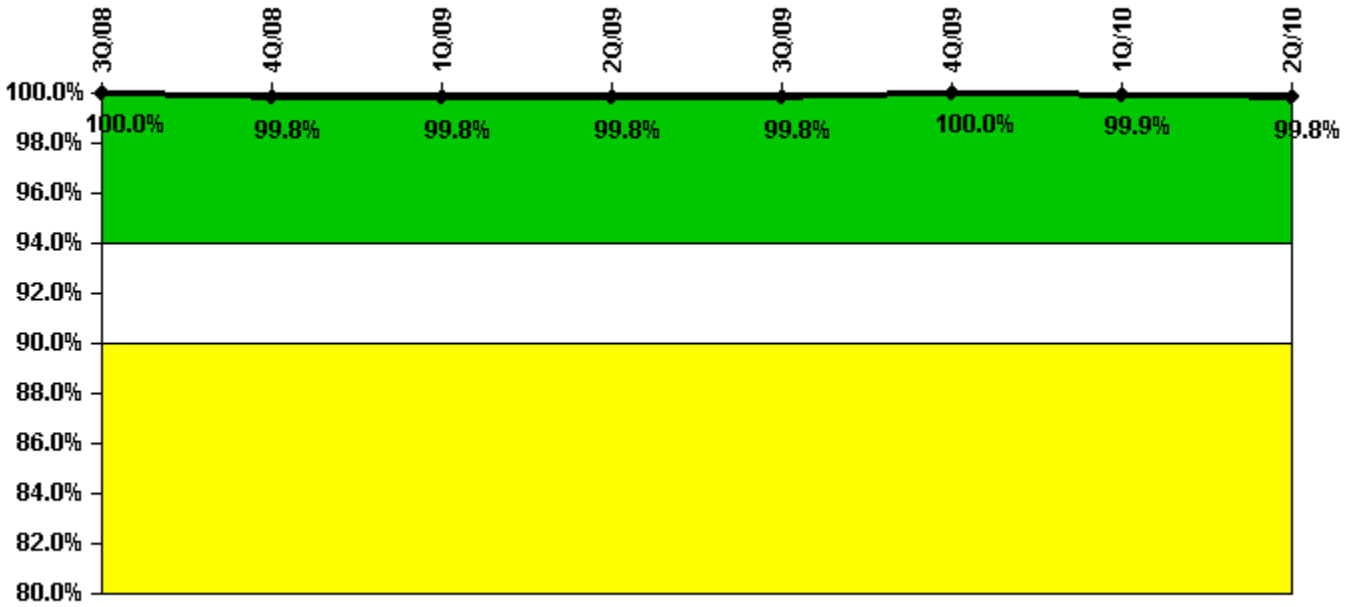
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	183.0	72.0	78.0	87.0	95.0	92.0	97.0	102.0
Total Key personnel	183.0	85.0	78.0	87.0	95.0	92.0	97.0	102.0
Indicator value	100.0%	84.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



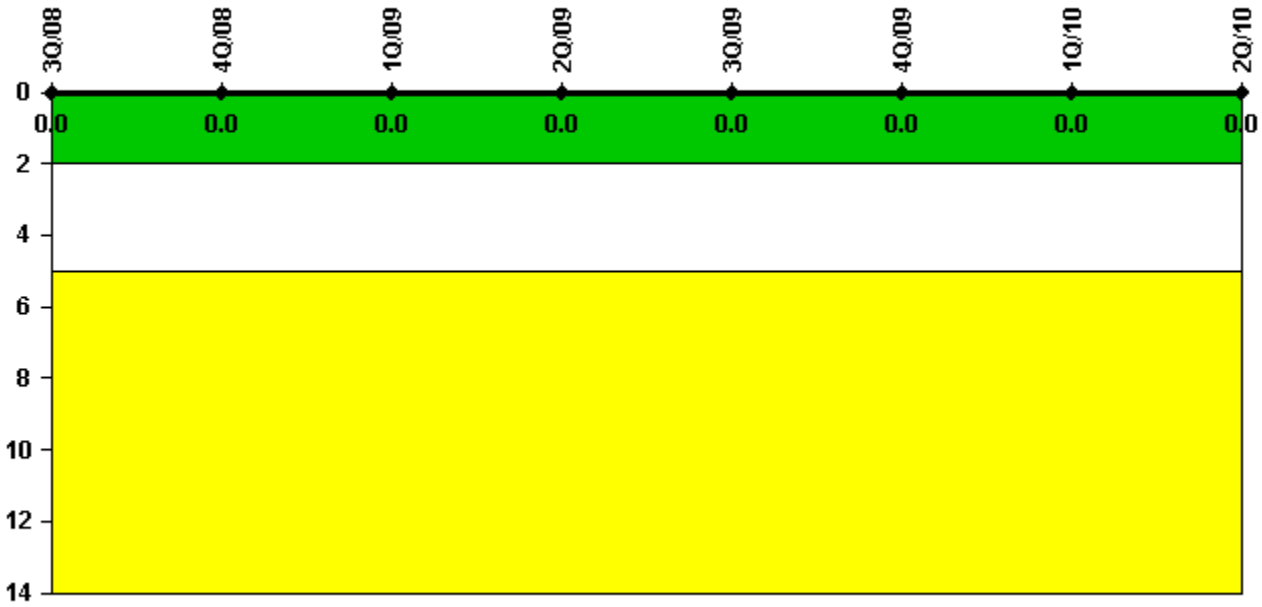
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	296	331	296	296	296	333	959	909
Total sirens-tests	296	333	296	296	296	333	960	912
Indicator value	100.0%	99.8%	99.8%	99.8%	99.8%	100.0%	99.9%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
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	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/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.