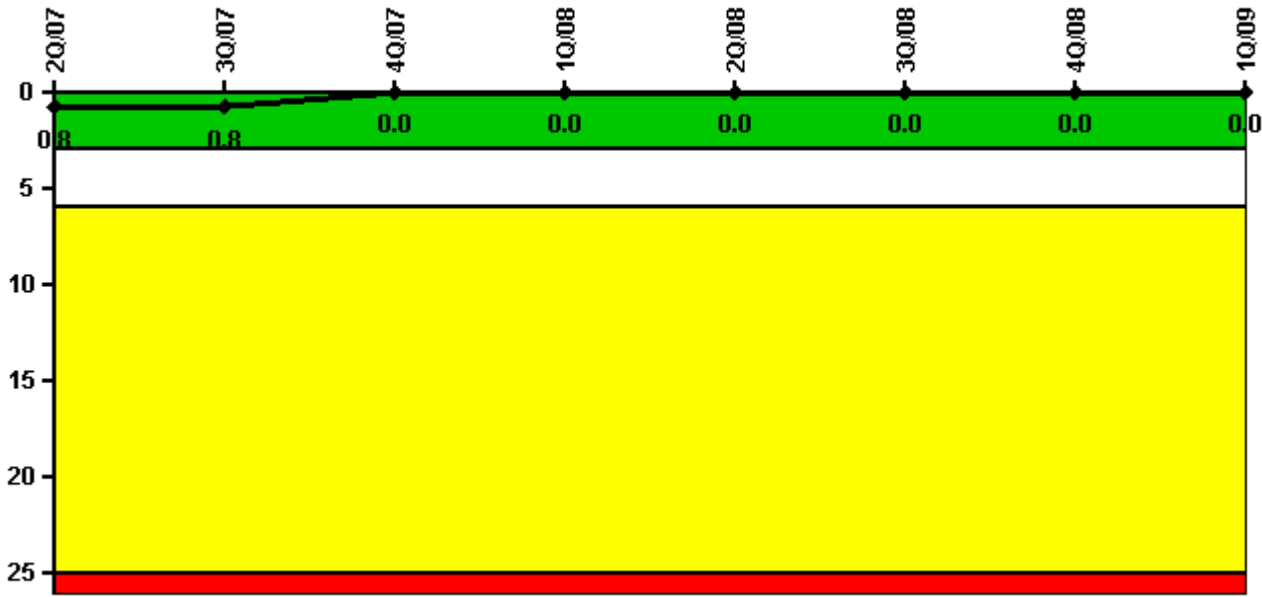


Calvert Cliffs 1

1Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



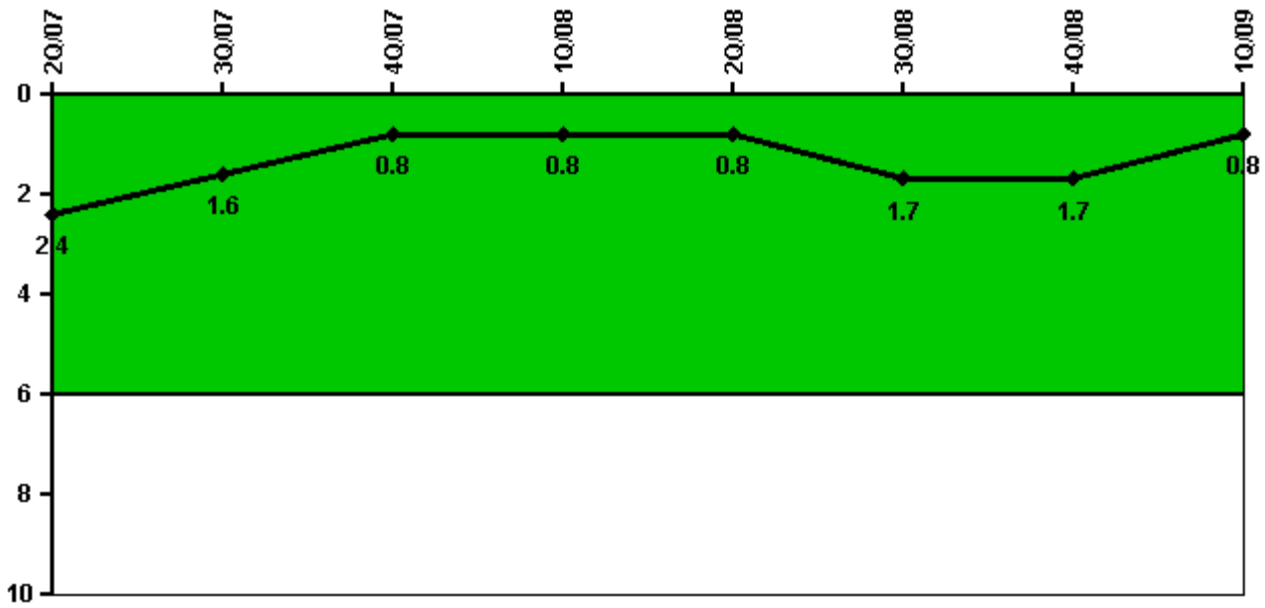
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1727.4	2184.0	2208.0	2209.0	2159.0
Indicator value	0.8	0.8	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



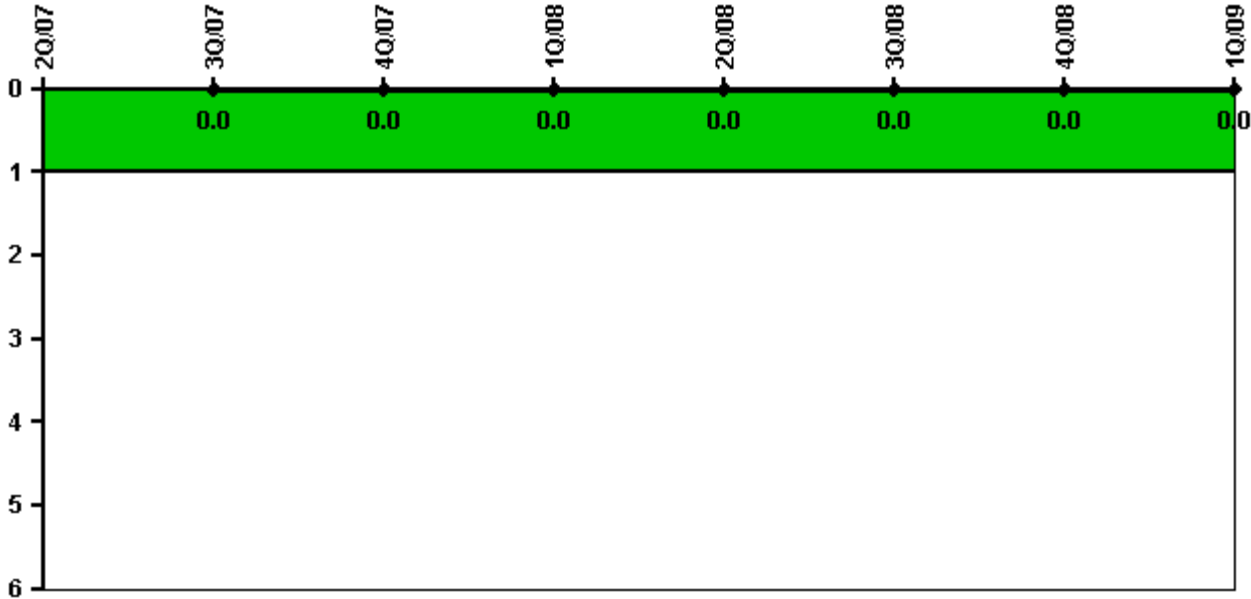
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	0	1.0	0	1.0	0	0
Critical hours	2184.0	2208.0	2209.0	1727.4	2184.0	2208.0	2209.0	2159.0
Indicator value	2.4	1.6	0.8	0.8	0.8	1.7	1.7	0.8

Licensee Comments: none

Unplanned Scrams with Complications



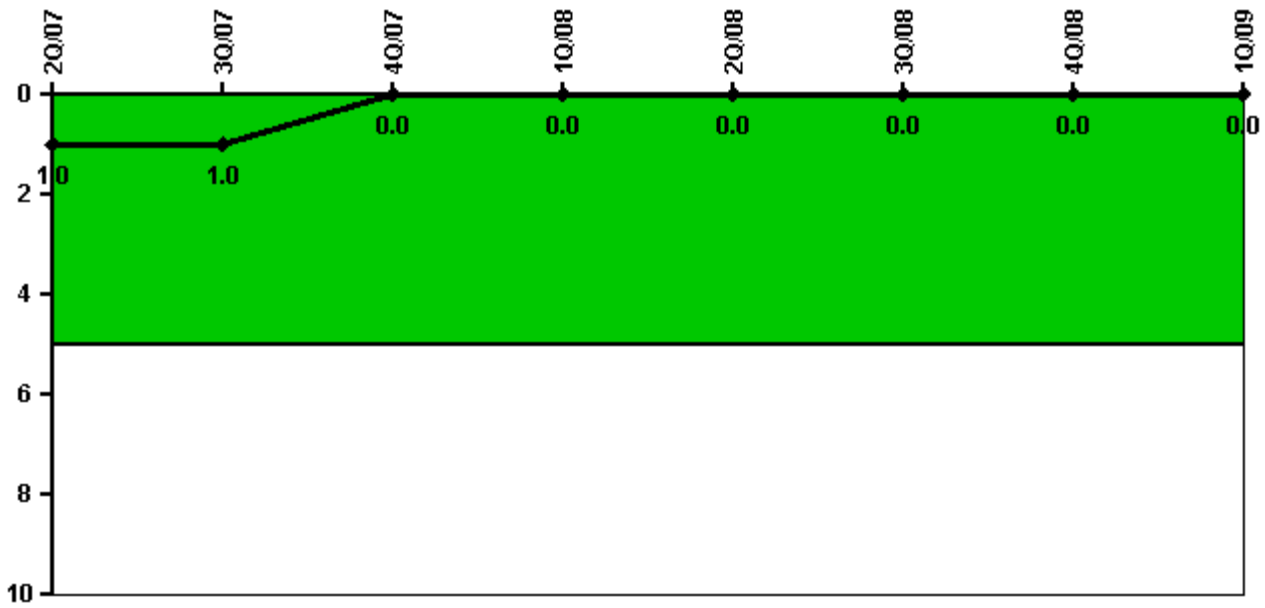
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/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

Licensee Comments: none

Safety System Functional Failures (PWR)



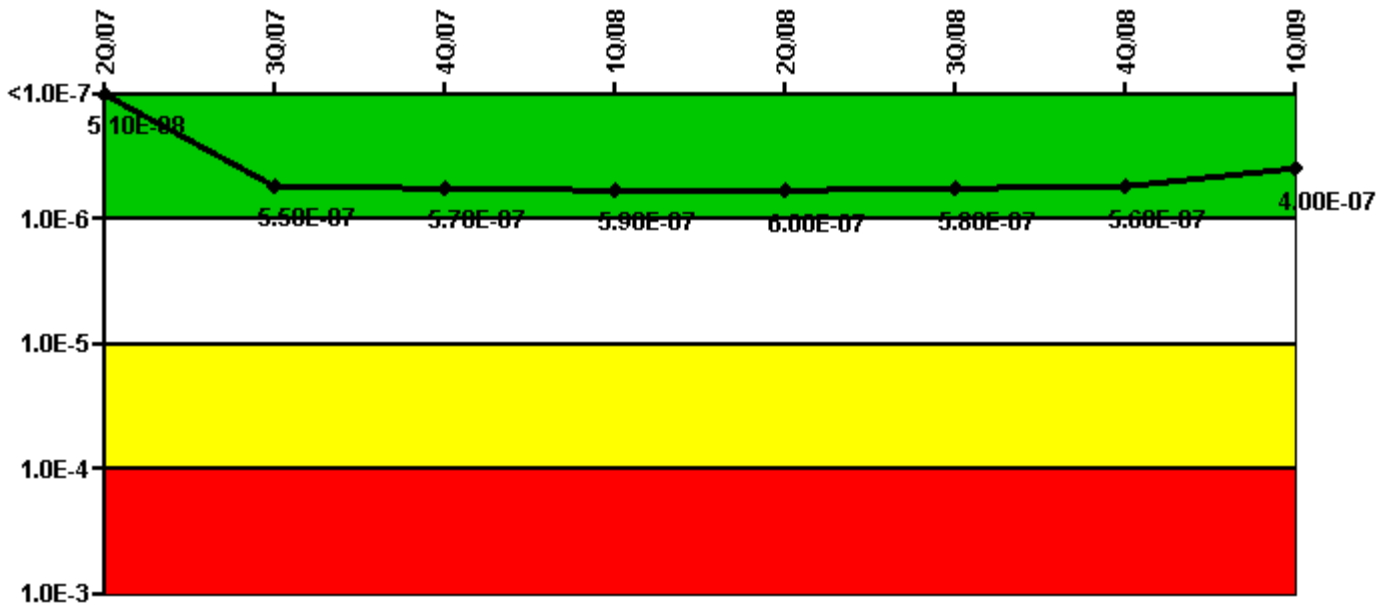
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



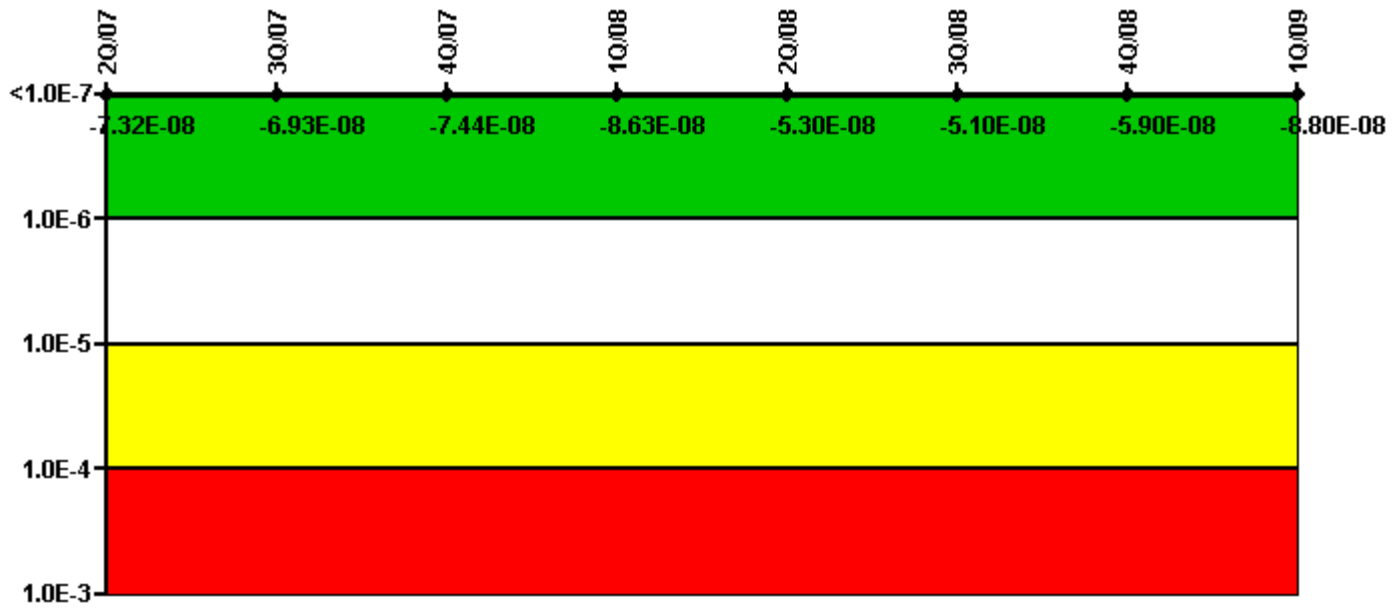
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	7.00E-08	2.10E-07	2.50E-07	2.60E-07	2.80E-07	2.60E-07	2.50E-07	2.30E-07
URI (ΔCDF)	-1.90E-08	3.40E-07	3.20E-07	3.30E-07	3.20E-07	3.20E-07	3.10E-07	1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.10E-08	5.50E-07	5.70E-07	5.90E-07	6.00E-07	5.80E-07	5.60E-07	4.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



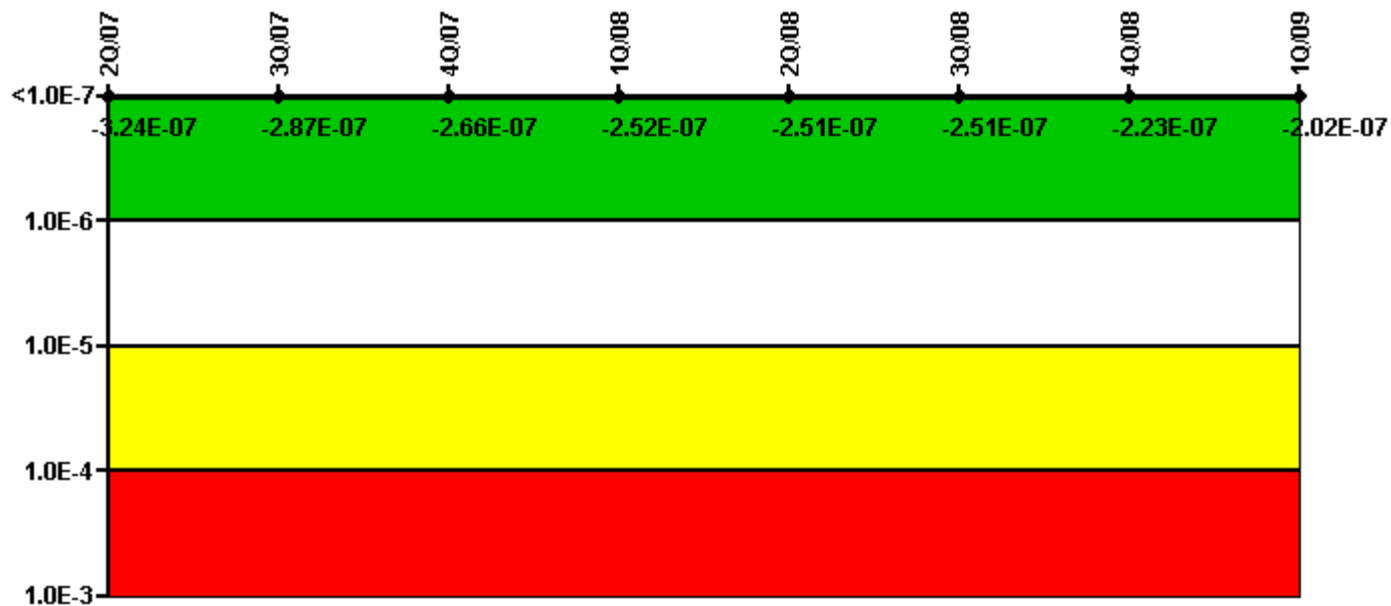
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	2.80E-09	3.70E-09	4.60E-09	3.70E-09	3.40E-08	3.50E-08	2.40E-08	-1.40E-08
URI (Δ CDF)	-7.60E-08	-7.30E-08	-7.90E-08	-9.00E-08	-8.70E-08	-8.60E-08	-8.30E-08	-7.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.32E-08	-6.93E-08	-7.44E-08	-8.63E-08	-5.30E-08	-5.10E-08	-5.90E-08	-8.80E-08

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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	-6.40E-08	-2.70E-08	-6.00E-09	3.80E-08	4.90E-08	4.90E-08	7.70E-08	6.80E-08
URI (Δ CDF)	-2.60E-07	-2.60E-07	-2.60E-07	-2.90E-07	-3.00E-07	-3.00E-07	-3.00E-07	-2.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.24E-07	-2.87E-07	-2.66E-07	-2.52E-07	-2.51E-07	-2.51E-07	-2.23E-07	-2.02E-07

Licensee Comments:

4Q/08: 4-9-9, changes result from changes made in August 2007 unavailability data.

3Q/08: 4-9-9, changes result from changes made in August 2007 unavailability data.

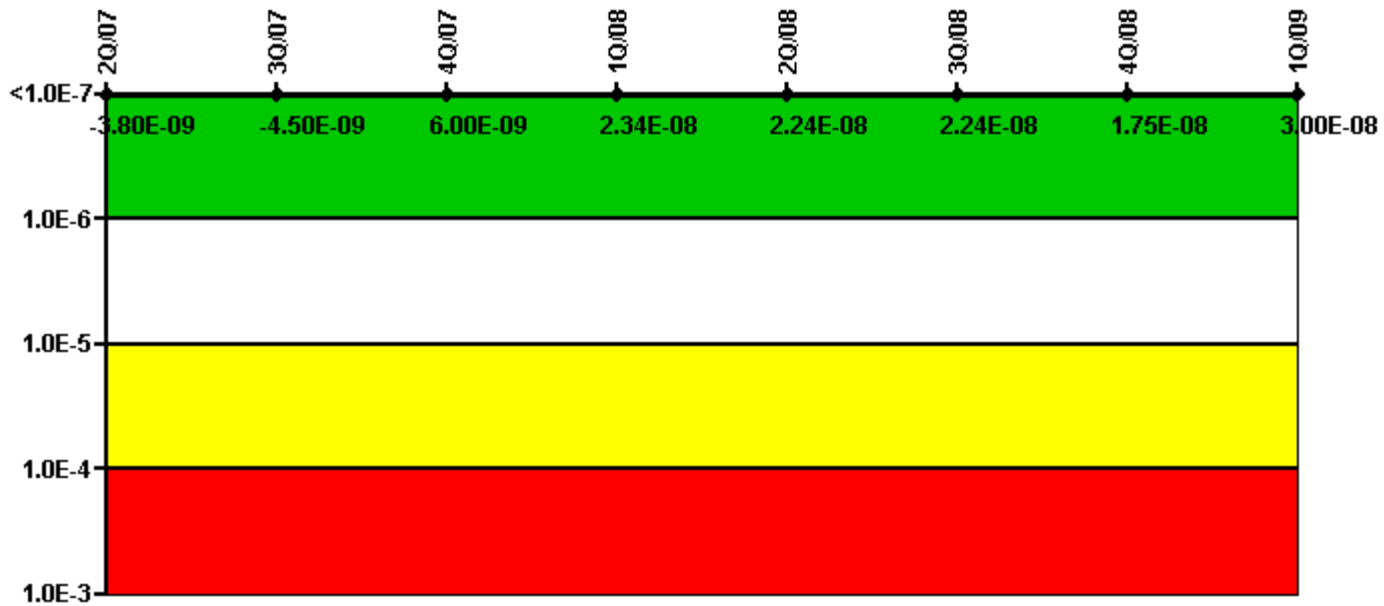
2Q/08: 4-9-9, changes result from changes made in August 2007 unavailability data.

1Q/08: 4-9-9, changes result from changes made in August 2007 unavailability data.

4Q/07: Unavailable hours originally included time whenever AFW room doors were open due to HELB concerns. Room doors are outside AFW system boundaries and NEI-99-02 does not require unavailable hours solely from support systems to be cascaded to MSPI system.

3Q/07: Unavailable hours originally included time whenever AFW room doors were open due to HELB concerns. Room doors are outside AFW system boundaries and NEI-99-02 does not require unavailable hours solely from support systems to be cascaded to MSPI system.

Mitigating Systems Performance Index, Residual Heat Removal System



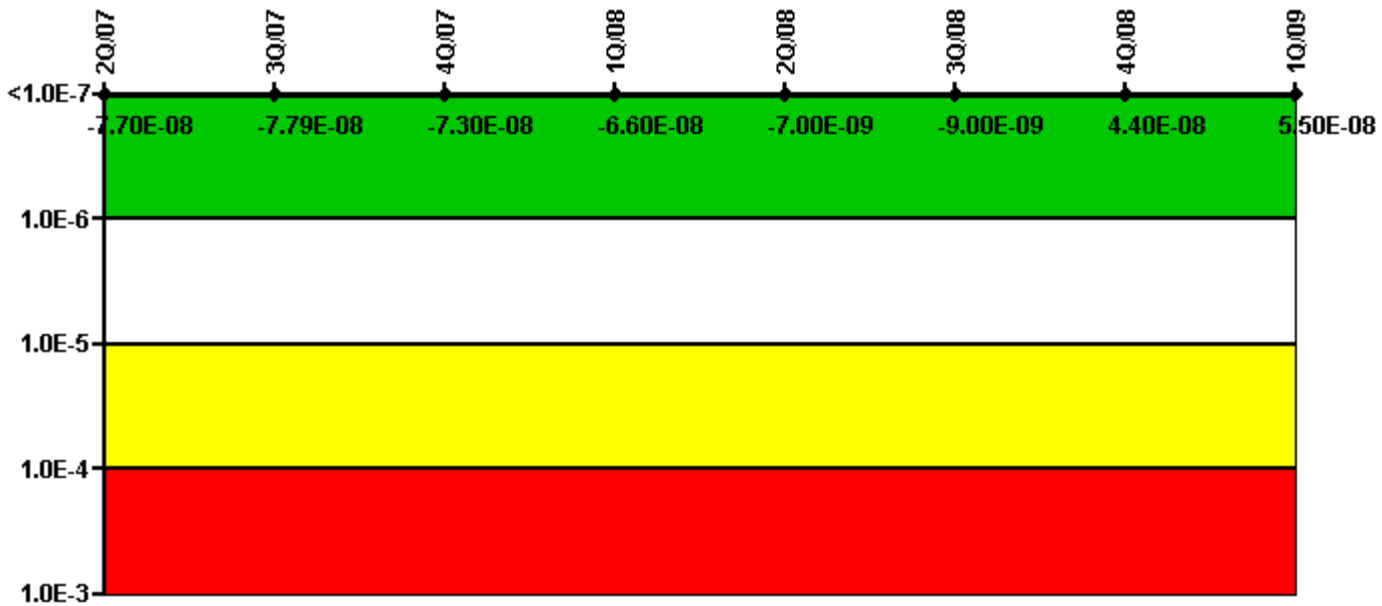
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	-6.40E-09	-7.00E-09	3.70E-09	2.20E-08	2.10E-08	2.10E-08	1.60E-08	3.40E-08
URI (Δ CDF)	2.60E-09	2.50E-09	2.30E-09	1.40E-09	1.40E-09	1.40E-09	1.50E-09	-4.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-09	-4.50E-09	6.00E-09	2.34E-08	2.24E-08	2.24E-08	1.75E-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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	7.00E-09	6.10E-09	1.10E-08	1.60E-08	1.60E-08	1.50E-08	2.80E-08	3.90E-08
URI (ΔCDF)	-8.40E-08	-8.40E-08	-8.40E-08	-8.20E-08	-2.30E-08	-2.40E-08	1.60E-08	1.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.70E-08	-7.79E-08	-7.30E-08	-6.60E-08	-7.00E-09	-9.00E-09	4.40E-08	5.50E-08

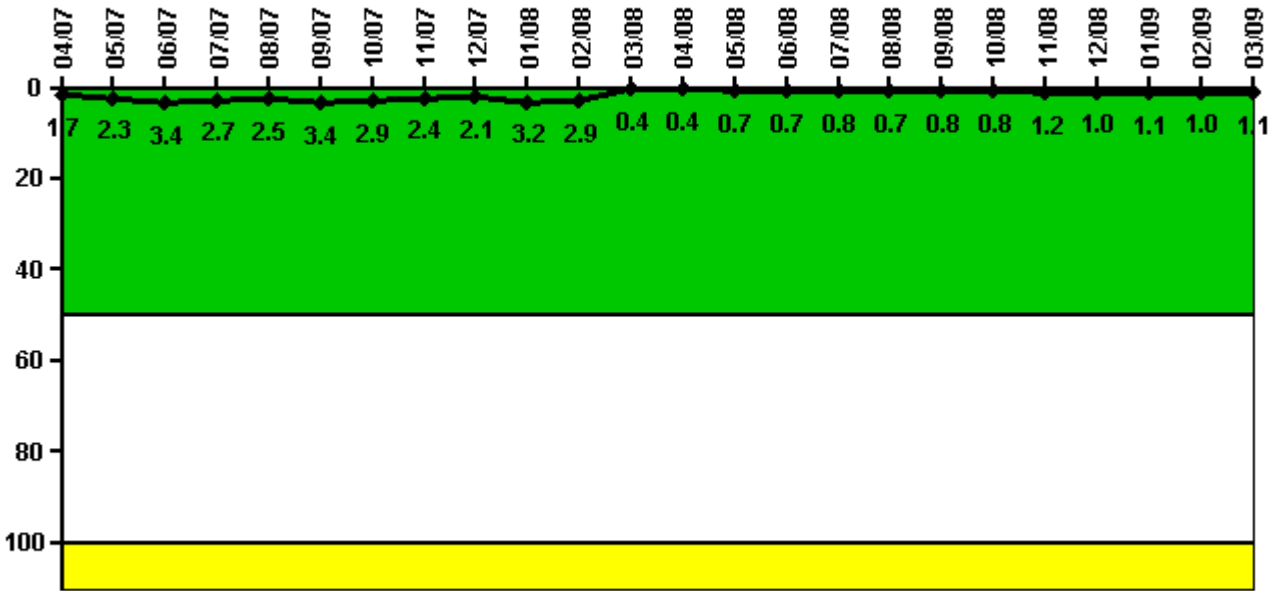
Licensee Comments:

4Q/08: Change report resulting from Failure Report 1219 was entered in EPIX on 12/18/2008 when the failure date was 9/12/2008. No indicator color change results from this change. 4-9-9: An EPIX failure report 1219, was submitted in error on 8/7/08. The failure report was written for a failure of 1CV5206, SW outlet for 11 CCHX on 5/22/08. The component that failed was 1CV5208, SW outlet for 12 CCHX. The error was recognized following creation of the failure report. The failure report for 1CV5208 had been previously submitted by another individual. The failure report for 1CV5206 has been deleted and will result in a change to previously reported MSPI data for MS10, Cooling Water Systems. No indicator color change results from this change.

3Q/08: 4-9-9: An EPIX failure report 1219, was submitted in error on 8/7/08. The failure report was written for a failure of 1CV5206, SW outlet for 11 CCHX on 5/22/08. The component that failed was 1CV5208, SW outlet for 12 CCHX. The error was recognized following creation of the failure report. The failure report for 1CV5208 had been previously submitted by another individual. The failure report for 1CV5206 has been deleted and will result in a change to previously reported MSPI data for MS10, Cooling Water Systems. No indicator color change results from this change.

2Q/08: Change report resulting from Failure Report 1219 was entered in EPIX on 12/18/2008 when the failure date was 9/12/2008. No indicator color change results from this change. 4-9-9: An EPIX failure report 1219, was submitted in error on 8/7/08. The failure report was written for a failure of 1CV5206, SW outlet for 11 CCHX on 5/22/08. The component that failed was 1CV5208, SW outlet for 12 CCHX. The error was recognized following creation of the failure report. The failure report for 1CV5208 had been previously submitted by another individual. The failure report for 1CV5206 has been deleted and will result in a change to previously reported MSPI data for MS10, Cooling Water Systems. No indicator color change results from this change.

Reactor Coolant System Activity



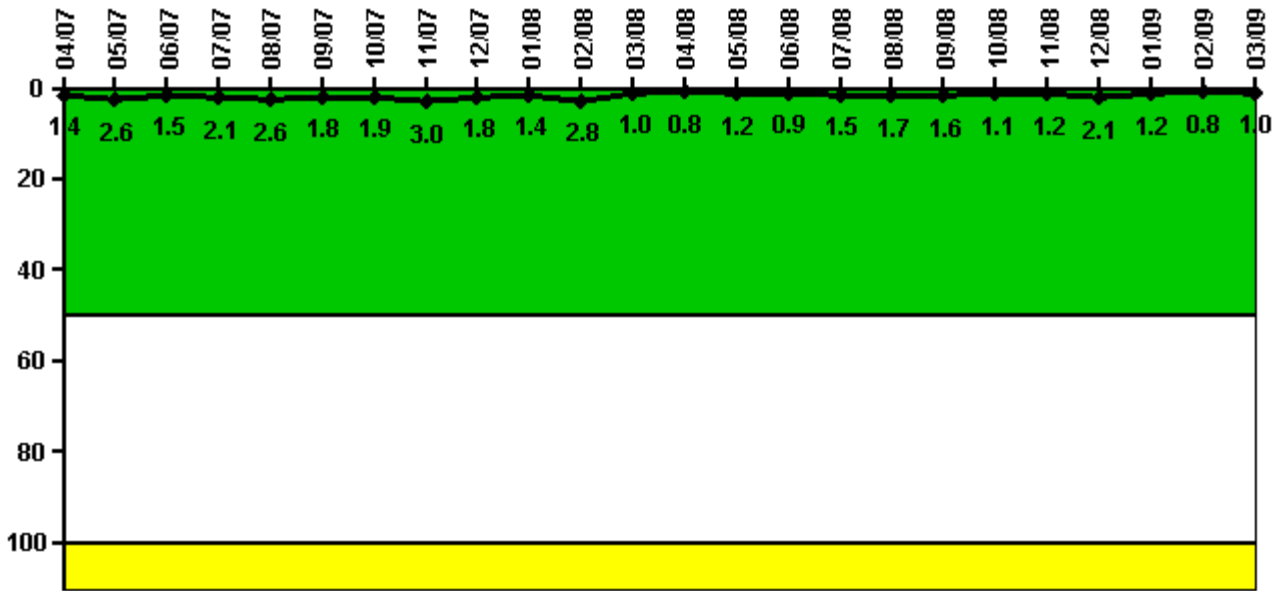
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum activity	0.017300	0.023100	0.033900	0.026600	0.024600	0.033800	0.028600	0.023700	0.021100	0.031800	0.029000	0.003840
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	1.7	2.3	3.4	2.7	2.5	3.4	2.9	2.4	2.1	3.2	2.9	0.4
Reactor Coolant System Activity	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum activity	0.004050	0.006520	0.006960	0.007570	0.007470	0.008140	0.008350	0.011800	0.010000	0.010700	0.010100	0.010800
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	0.4	0.7	0.7	0.8	0.7	0.8	0.8	1.2	1.0	1.1	1.0	1.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

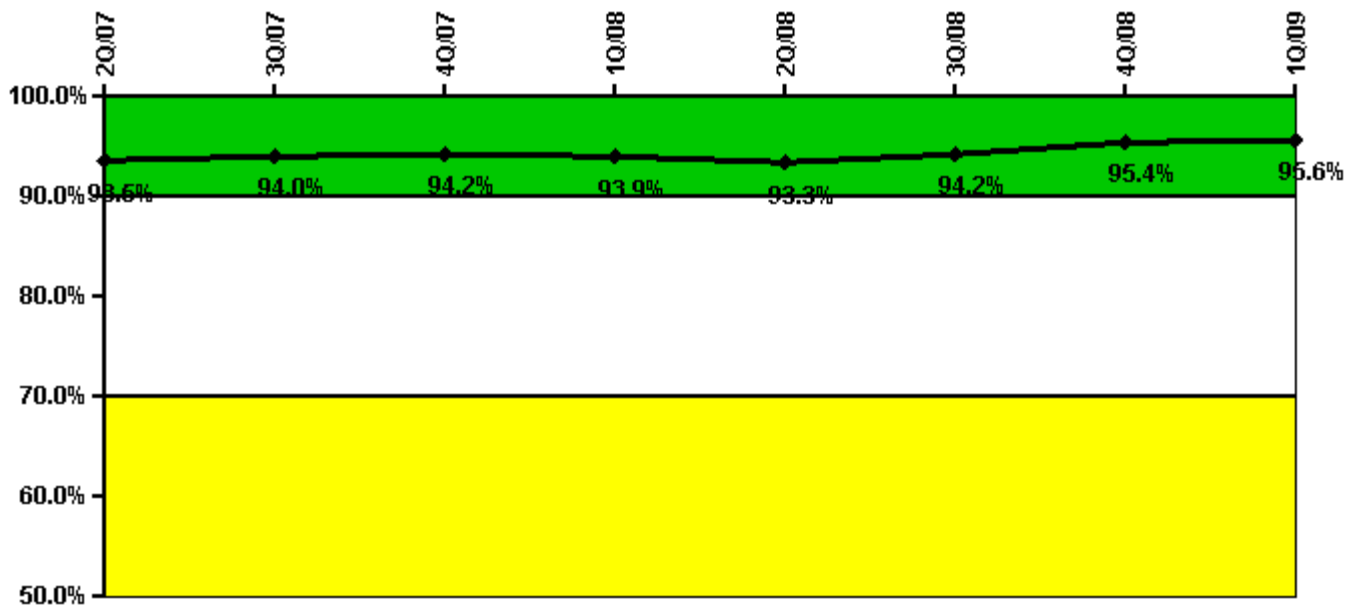
Notes

Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.140	0.260	0.150	0.210	0.260	0.180	0.190	0.299	0.180	0.140	0.280	0.100
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	1.4	2.6	1.5	2.1	2.6	1.8	1.9	3.0	1.8	1.4	2.8	1.0

Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	0.080	0.120	0.090	0.150	0.170	0.160	0.110	0.120	0.210	0.120	0.080	0.100
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	0.8	1.2	0.9	1.5	1.7	1.6	1.1	1.2	2.1	1.2	0.8	1.0

Licensee Comments: none

Drill/Exercise Performance



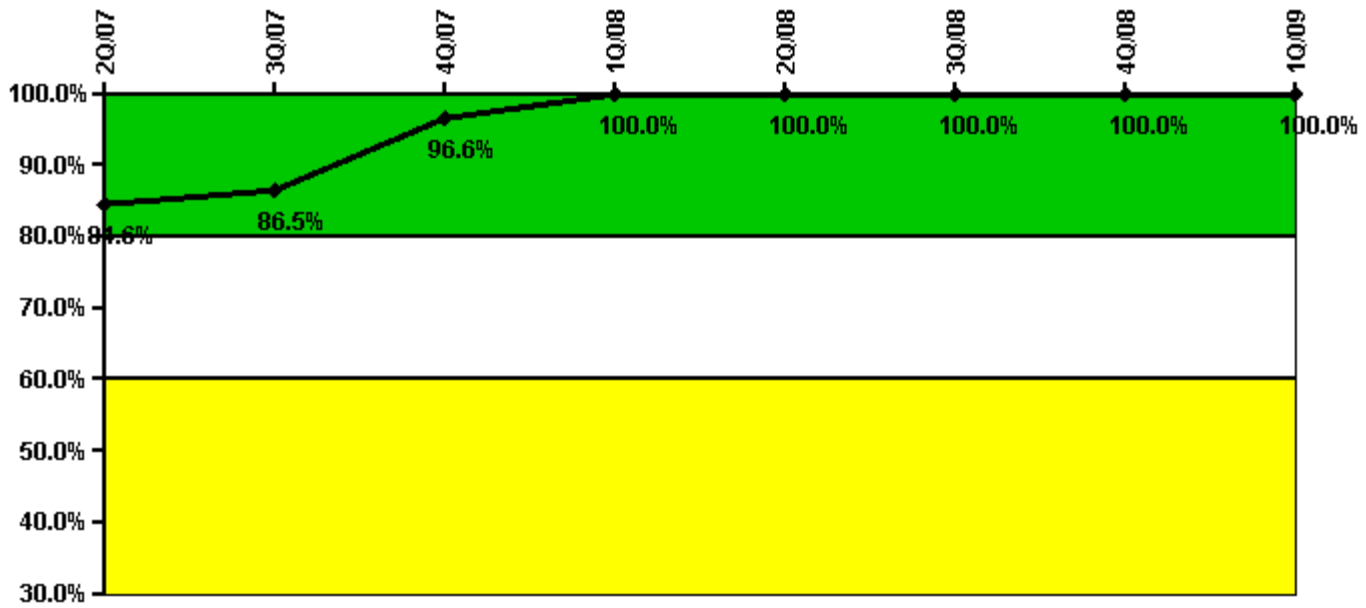
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	21.0	36.0	69.0	4.0	26.0	40.0	52.0	10.0
Total opportunities	22.0	36.0	71.0	5.0	27.0	40.0	59.0	10.0
Indicator value	93.5%	94.0%	94.2%	93.9%	93.3%	94.2%	95.4%	95.6%

Licensee Comments: none

ERO Drill Participation



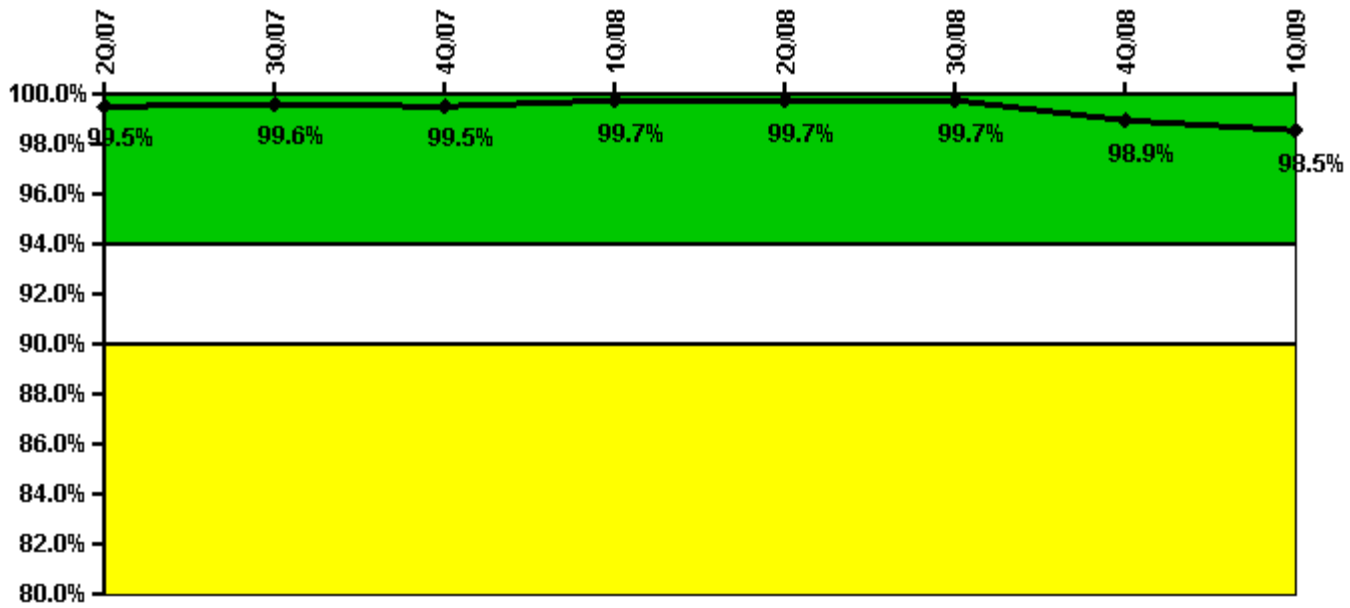
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	77.0	77.0	85.0	83.0	87.0	86.0	84.0	88.0
Total Key personnel	91.0	89.0	88.0	83.0	87.0	86.0	84.0	88.0
Indicator value	84.6%	86.5%	96.6%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



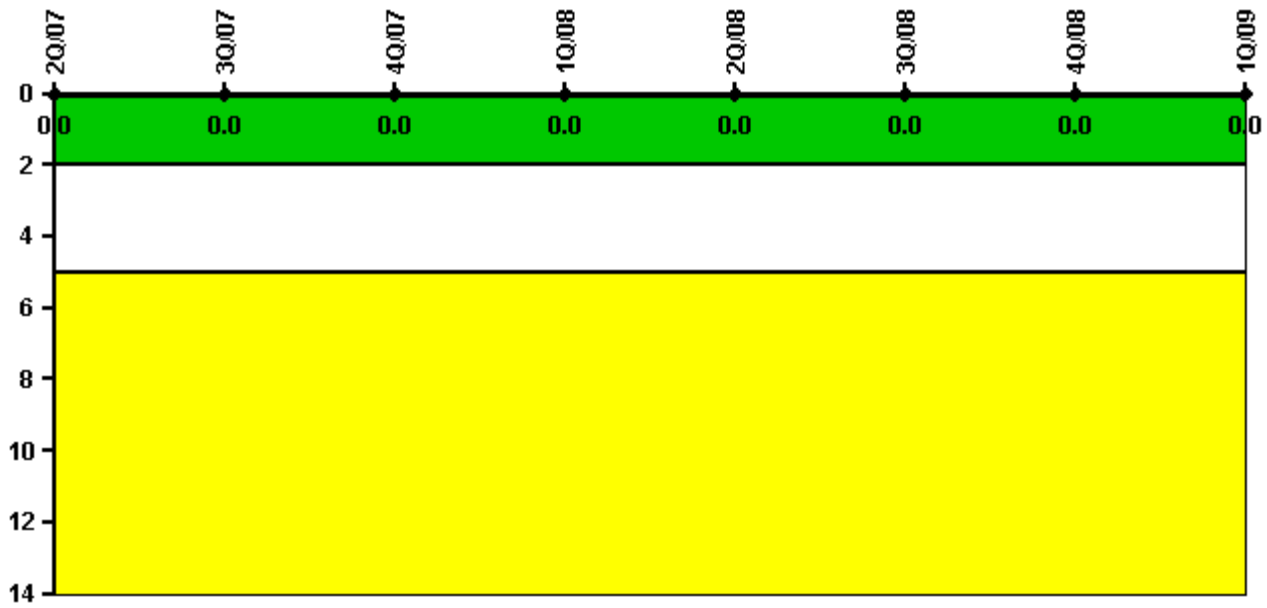
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	944	947	1019	947	946	946	916	932
Total sirens-tests	949	949	1022	949	949	949	949	949
Indicator value	99.5%	99.6%	99.5%	99.7%	99.7%	99.7%	98.9%	98.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



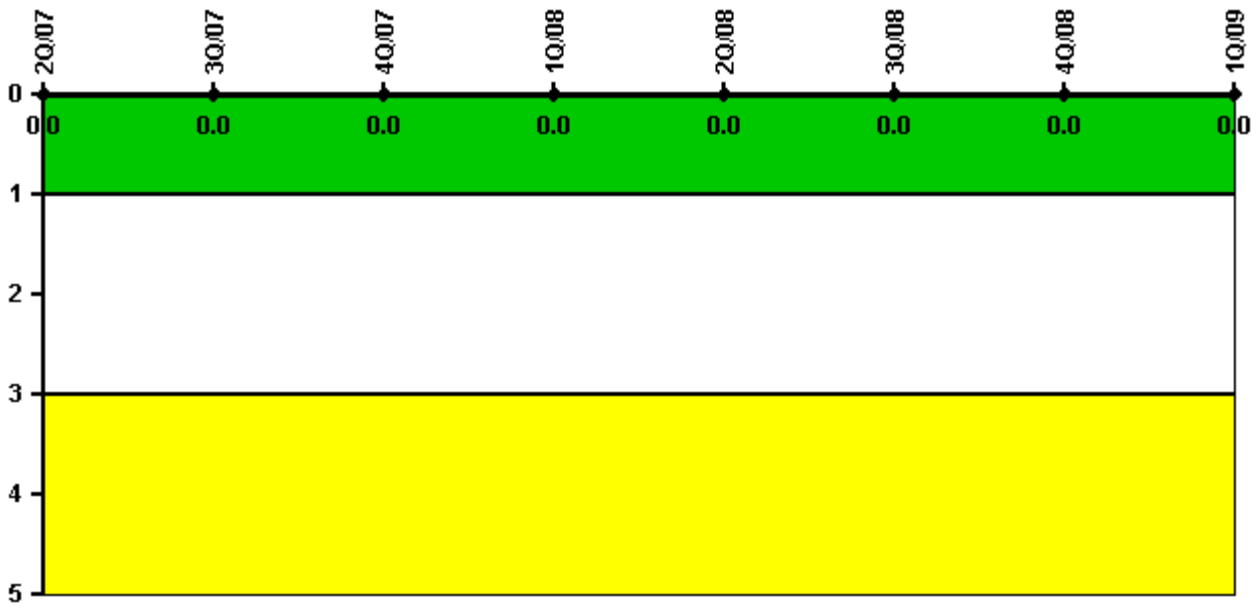
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/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	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/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.