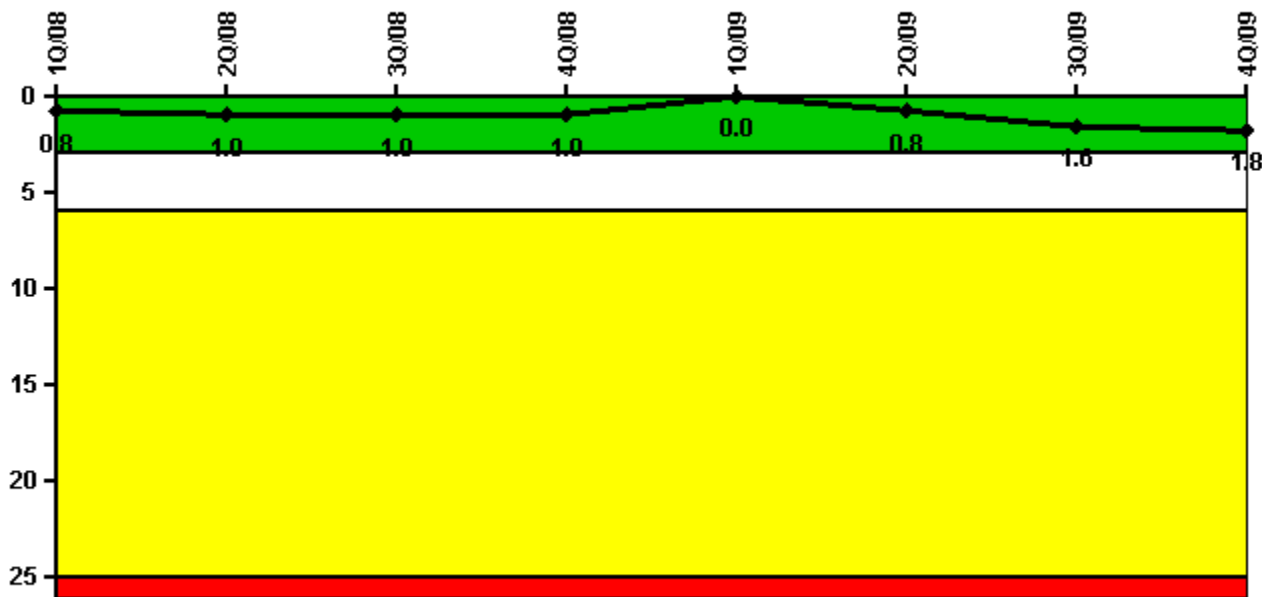


Wolf Creek 1

4Q/2009 Performance Indicators

Licensee's General Comments: LER 2008-004-01 was submitted on 11/11/09. The original event occurred on 4/7/08. The LER supplement was submitted based on questions on reporting under 10CFR50.73(a)(2)(v). See noncited violation 05 000482 / 2009 004-07.

Unplanned Scrams per 7000 Critical Hrs



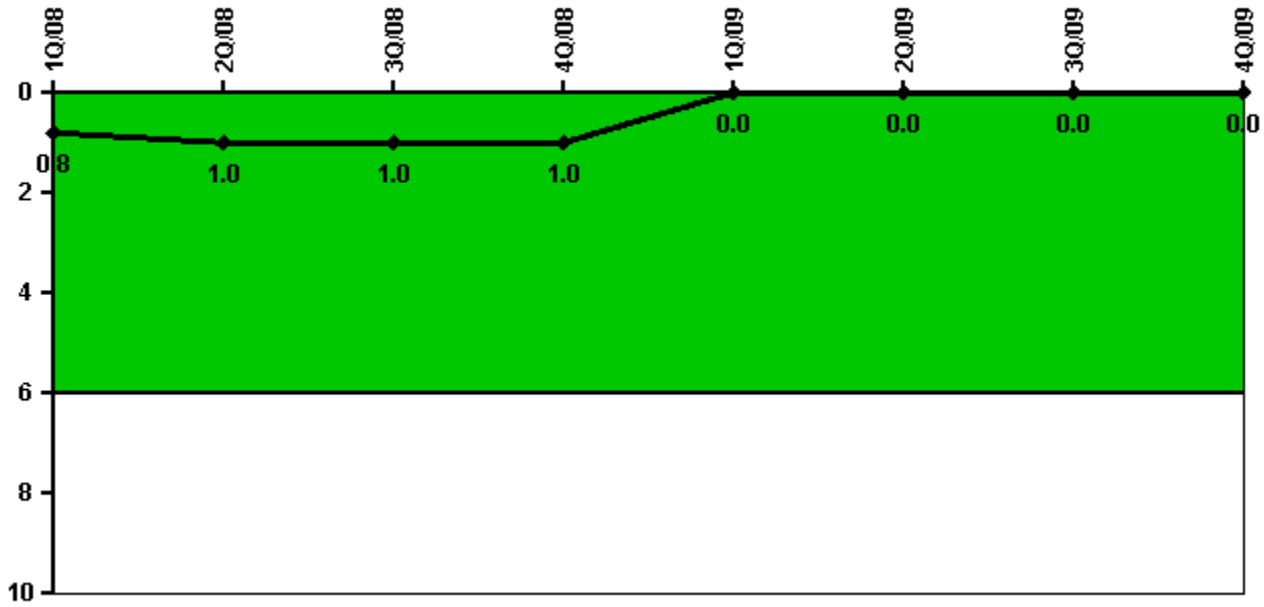
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	1.0	0	0	0	0	1.0	1.0	0
Critical hours	1733.8	1150.0	2208.0	2209.0	2159.0	2126.9	2115.9	1207.1
Indicator value	0.8	1.0	1.0	1.0	0	0.8	1.6	1.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



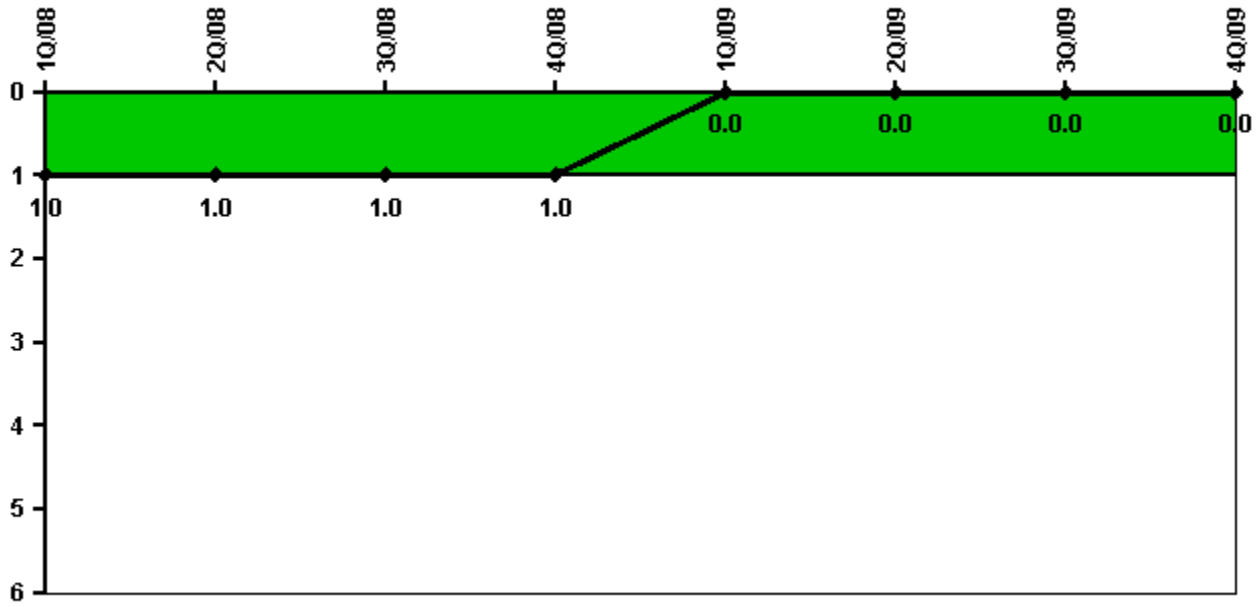
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1733.8	1150.0	2208.0	2209.0	2159.0	2126.9	2115.9	1207.1
Indicator value	0.8	1.0	1.0	1.0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



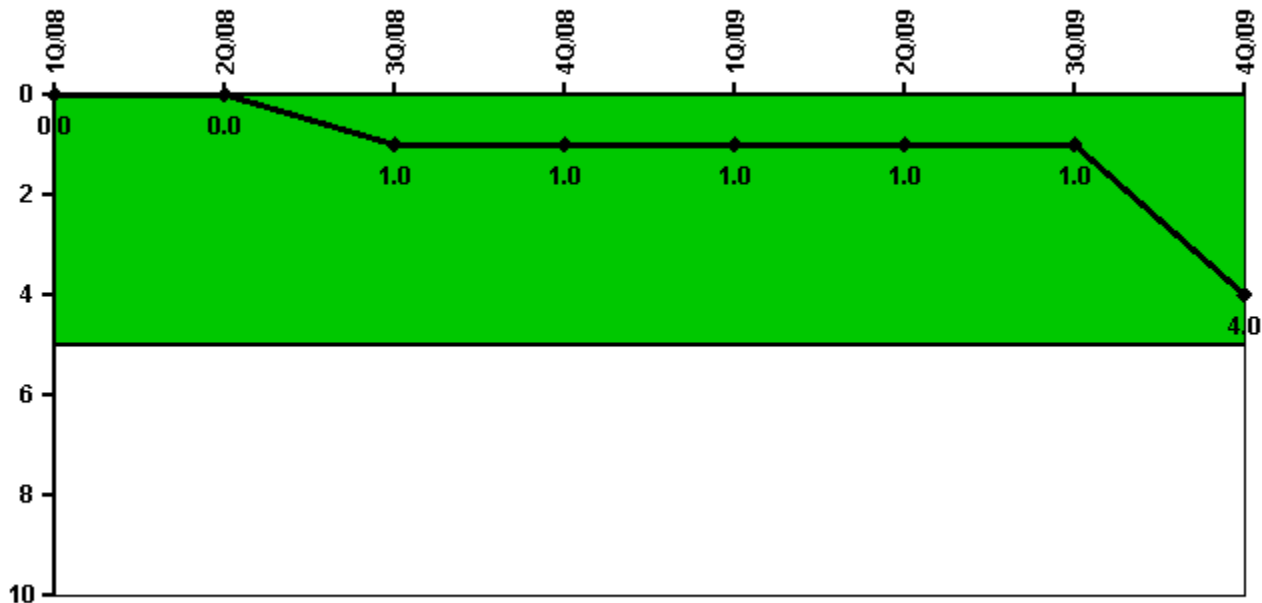
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Scrams with complications	1.0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

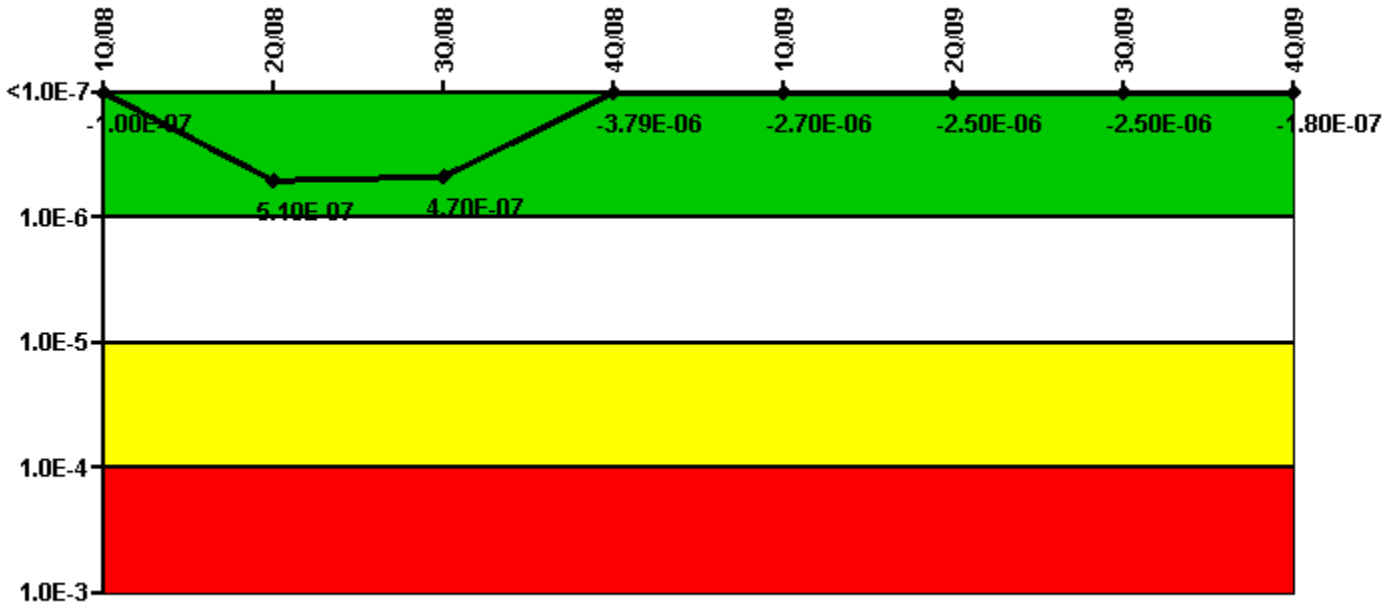
Notes

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

Licensee Comments:

4Q/09: LER 2008-004-01 was submitted on 11/11/09. The original event occurred on 4/7/08. The LER supplement was submitted based on questions on reporting under 10CFR50.73(a)(2)(v). See noncited violation 05 000482 / 2009 004-07.

Mitigating Systems Performance Index, Emergency AC Power System



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

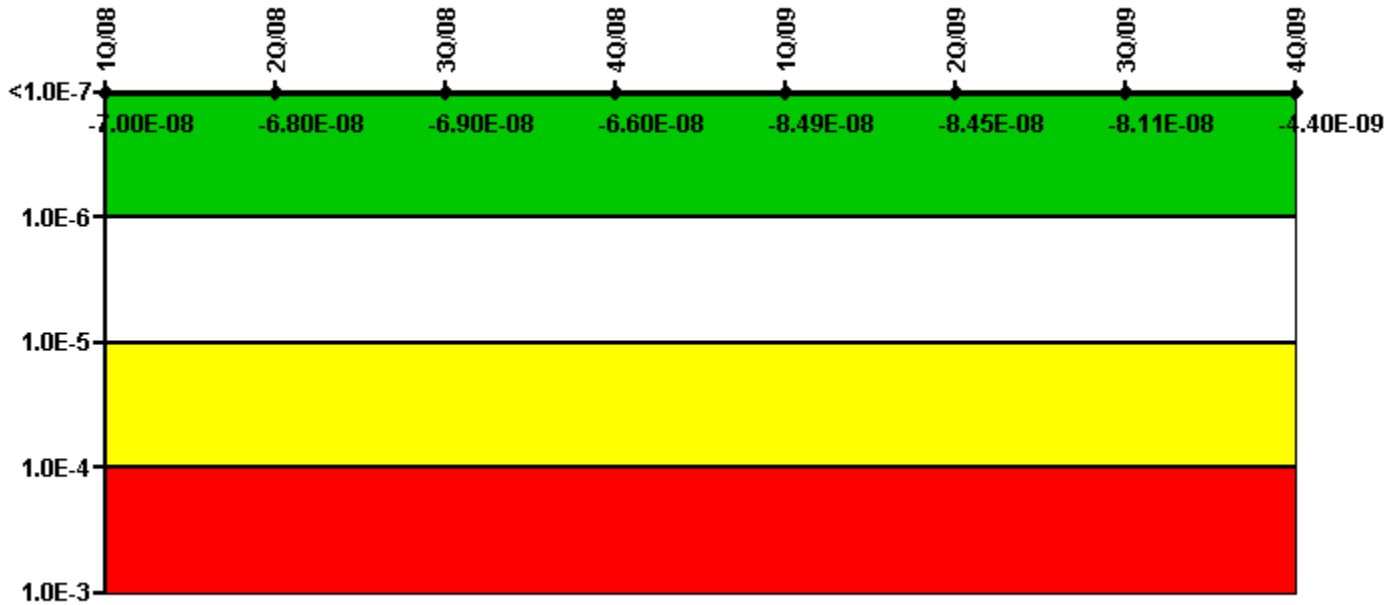
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	1.40E-06	1.20E-06	1.20E-06	8.10E-07	2.00E-06	2.20E-06	2.40E-06	8.20E-07
URI (ΔCDF)	-1.50E-06	-6.90E-07	-7.30E-07	-4.60E-06	-4.70E-06	-4.70E-06	-4.90E-06	-1.00E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-07	5.10E-07	4.70E-07	-3.79E-06	-2.70E-06	-2.50E-06	-2.50E-06	-1.80E-07

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

Mitigating Systems Performance Index, High Pressure Injection System



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

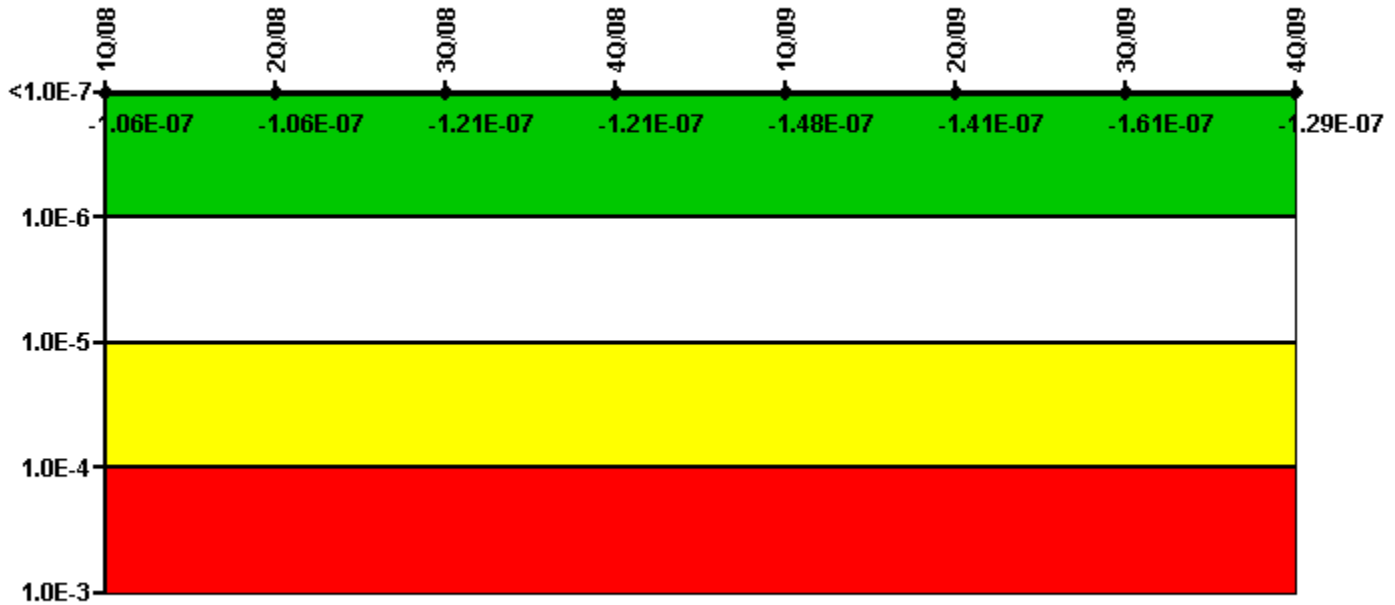
Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	1.50E-08	1.70E-08	1.60E-08	1.60E-08	-2.90E-09	-1.50E-09	1.90E-09	-2.20E-09
URI (Δ CDF)	-8.50E-08	-8.50E-08	-8.50E-08	-8.20E-08	-8.20E-08	-8.30E-08	-8.30E-08	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.00E-08	-6.80E-08	-6.90E-08	-6.60E-08	-8.49E-08	-8.45E-08	-8.11E-08	-4.40E-09

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

Mitigating Systems Performance Index, Heat Removal System



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

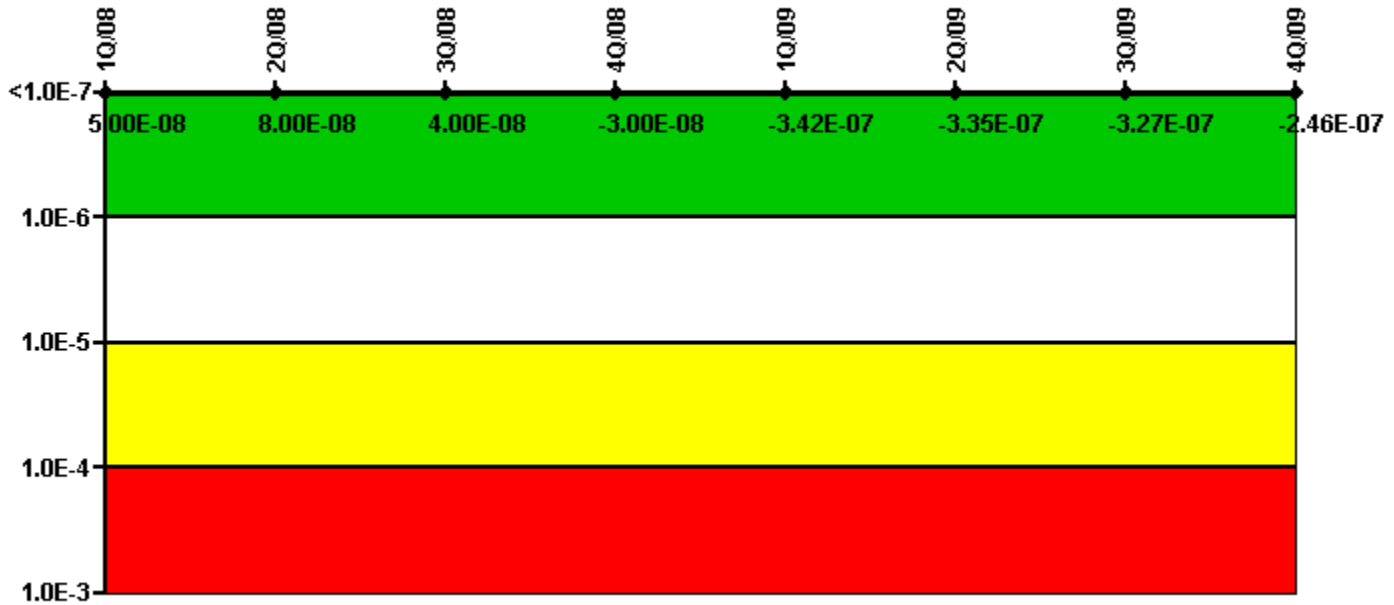
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	5.40E-08	5.40E-08	3.90E-08	3.90E-08	1.20E-08	9.40E-09	-6.10E-10	8.60E-10
URI (Δ CDF)	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.50E-07	-1.60E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.06E-07	-1.06E-07	-1.21E-07	-1.21E-07	-1.48E-07	-1.41E-07	-1.61E-07	-1.29E-07

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

Mitigating Systems Performance Index, Residual Heat Removal System



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

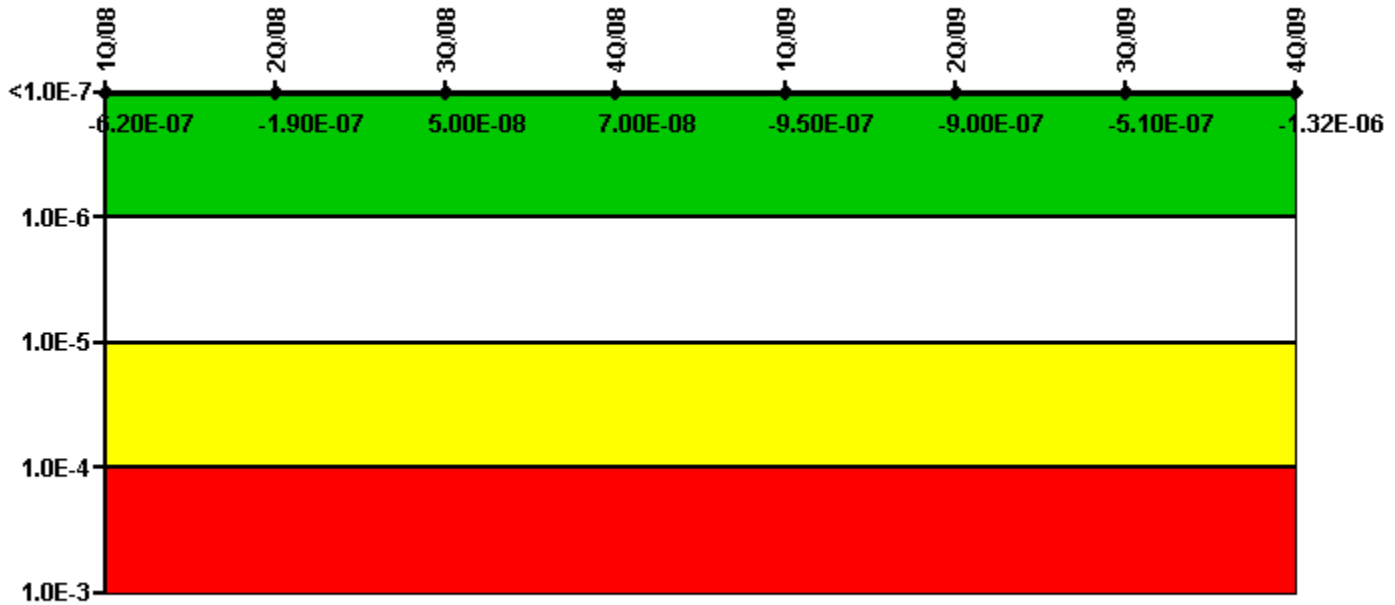
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	3.50E-07	3.60E-07	3.30E-07	2.60E-07	-5.20E-08	-4.50E-08	-3.70E-08	-1.60E-08
URI (Δ CDF)	-3.00E-07	-2.80E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.00E-08	8.00E-08	4.00E-08	-3.00E-08	-3.42E-07	-3.35E-07	-3.27E-07	-2.46E-07

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

Mitigating Systems Performance Index, Cooling Water Systems



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

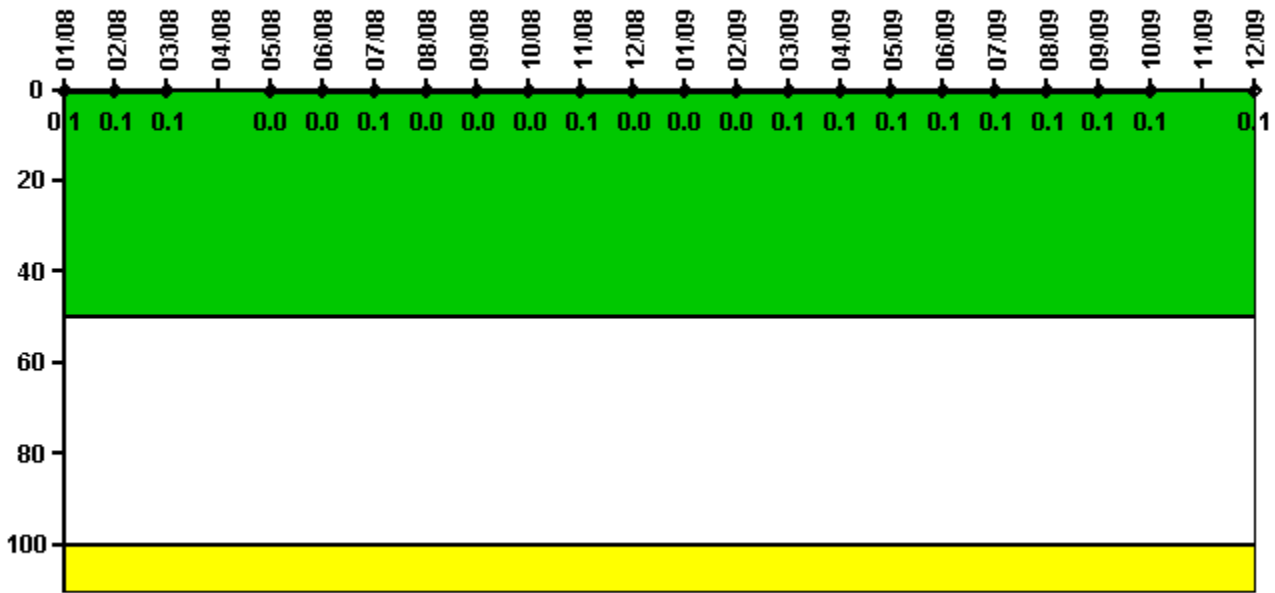
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	1.20E-07	5.40E-07	7.80E-07	7.90E-07	-2.20E-07	-1.60E-07	2.20E-07	7.70E-08
URI (Δ CDF)	-7.40E-07	-7.30E-07	-7.30E-07	-7.20E-07	-7.30E-07	-7.40E-07	-7.30E-07	-1.40E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.20E-07	-1.90E-07	5.00E-08	7.00E-08	-9.50E-07	-9.00E-07	-5.10E-07	-1.32E-06

Licensee Comments:

4Q/09: PRA Model update in 3Q09 effective for this reporting quarter.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

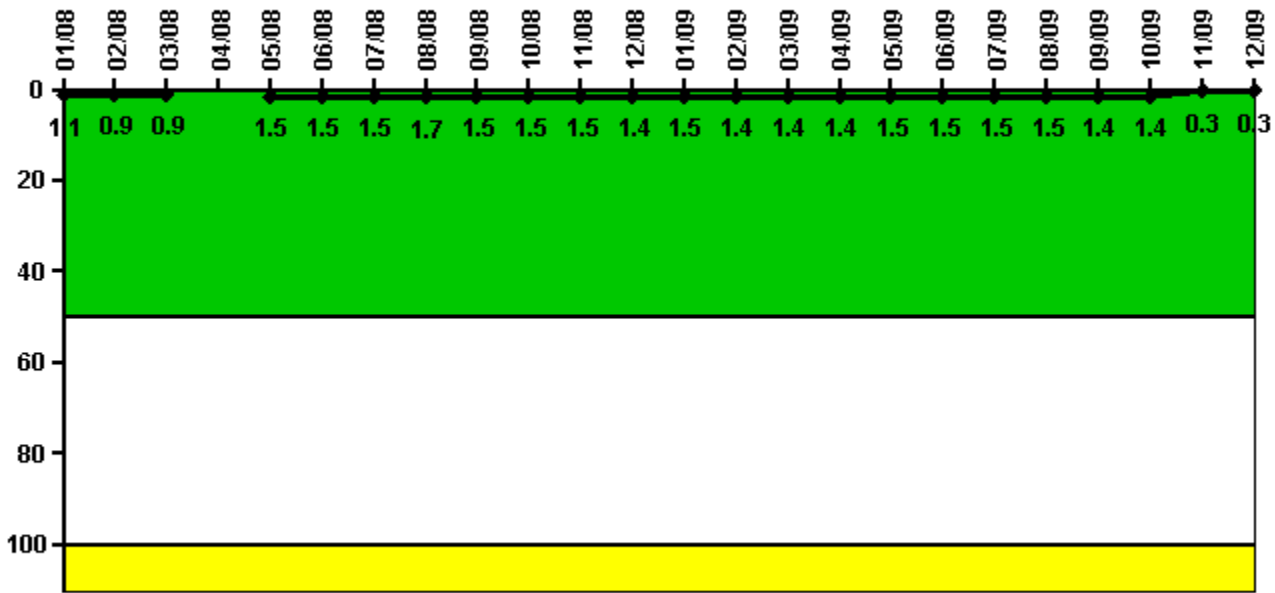
Notes

Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.000700	0.000700	0.000800	N/A	0.000300	0.000300	0.000700	0.000300	0.000300	0.000400	0.000500	0.000400
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	0.1	0.1	0.1	N/A	0	0	0.1	0	0	0	0.1	0

Reactor Coolant System Activity	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.000400	0.000400	0.000500	0.000500	0.000500	0.000500	0.000500	0.000600	0.000600	0.000600	N/A	0.000600
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0.1

Licensee Comments: none

Reactor Coolant System Leakage



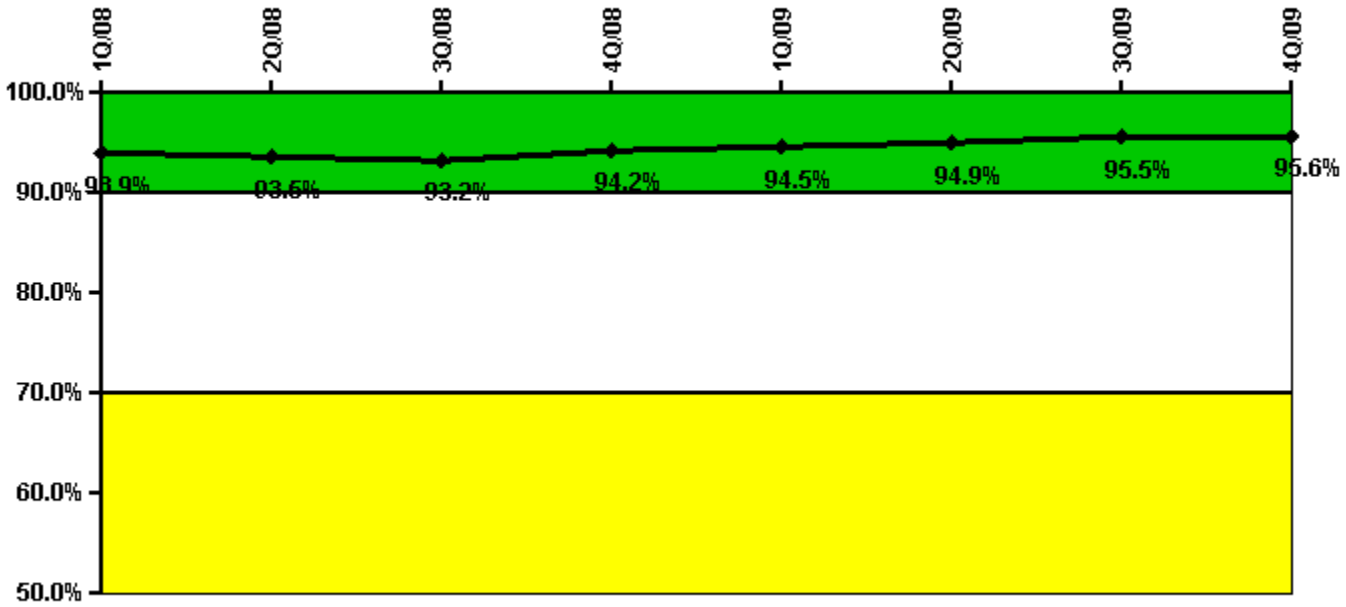
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	0.110	0.090	0.090	N/A	0.150	0.150	0.150	0.170	0.150	0.150	0.150	0.140
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	1.1	0.9	0.9	N/A	1.5	1.5	1.5	1.7	1.5	1.5	1.5	1.4
Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	0.150	0.140	0.140	0.140	0.150	0.150	0.150	0.150	0.140	0.140	0.030	0.030
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	1.5	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.4	1.4	0.3	0.3

Licensee Comments: none

Drill/Exercise Performance



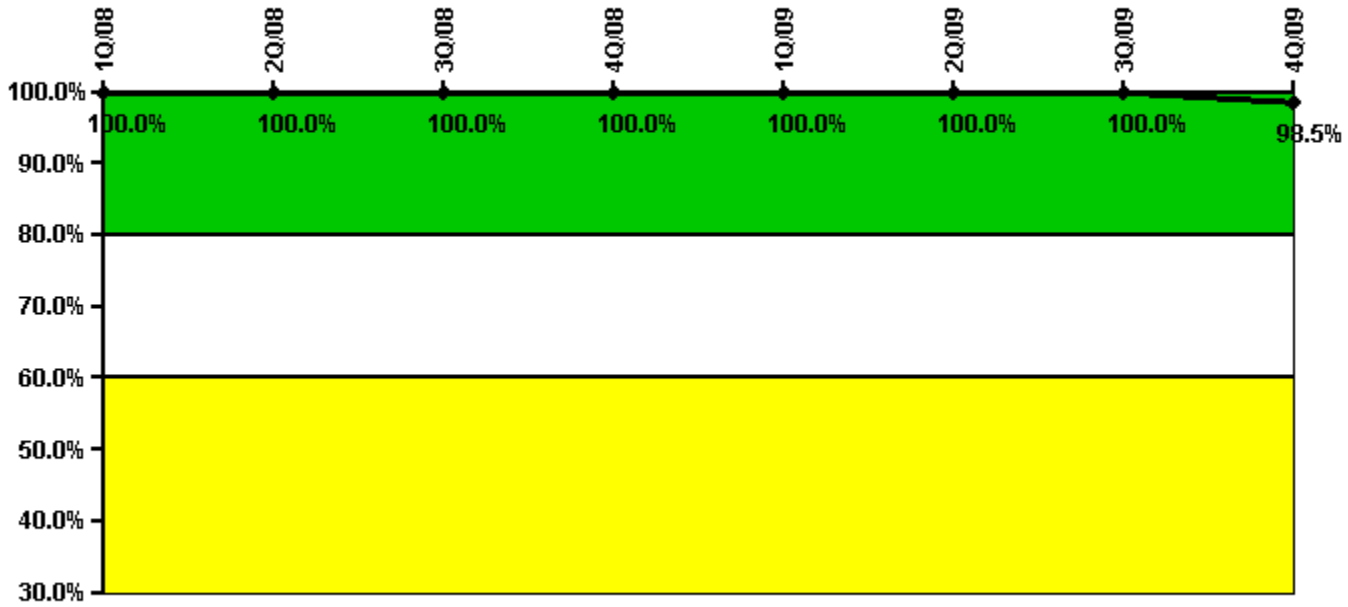
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	22.0	2.0	49.0	224.0	27.0	66.0	39.0	1.0
Total opportunities	22.0	2.0	56.0	232.0	27.0	69.0	40.0	2.0
Indicator value	93.9%	93.5%	93.2%	94.2%	94.5%	94.9%	95.5%	95.6%

Licensee Comments: none

ERO Drill Participation



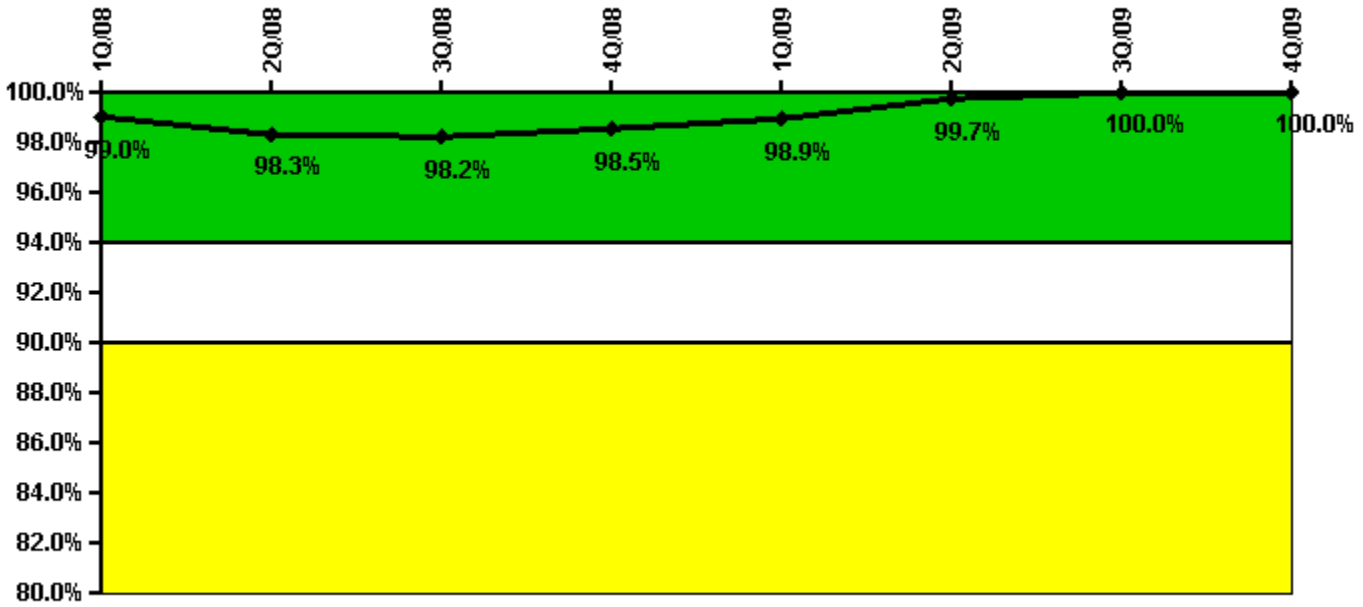
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	68.0	62.0	65.0	64.0	67.0	65.0	65.0	64.0
Total Key personnel	68.0	62.0	65.0	64.0	67.0	65.0	65.0	65.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	98.5%

Licensee Comments: none

Alert & Notification System



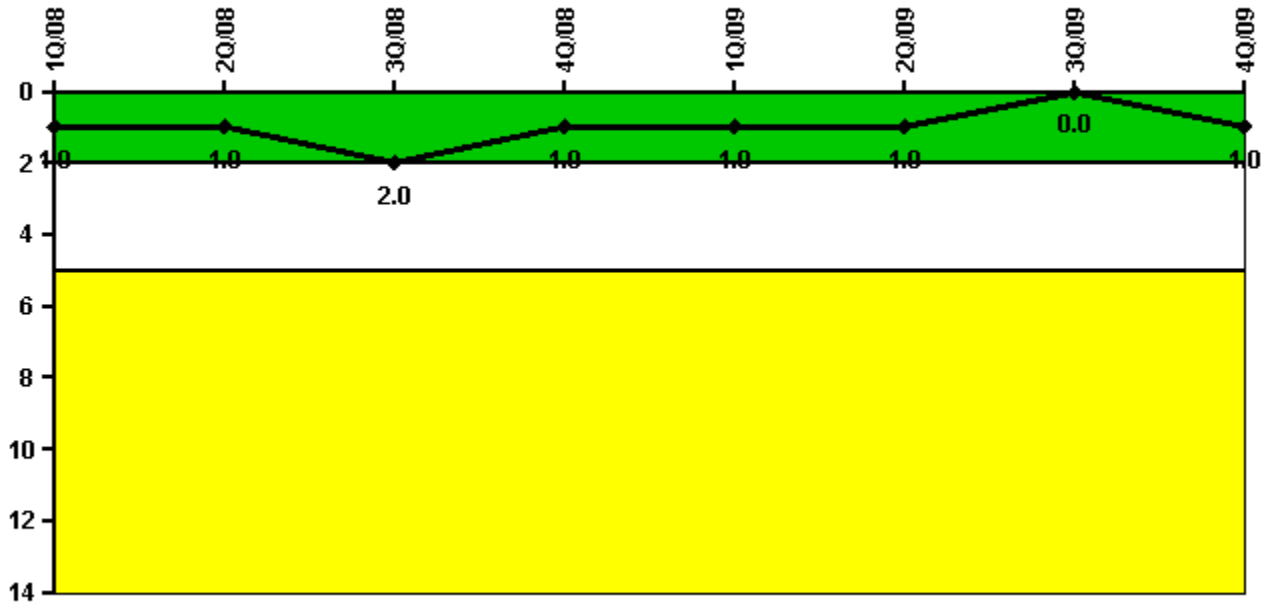
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	76	64	65	66	77	77	66	77
Total sirens-tests	77	66	66	66	77	77	66	77
Indicator value	99.0%	98.3%	98.2%	98.5%	98.9%	99.7%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
High radiation area occurrences	0	0	1	0	0	0	0	1
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	1	1	2	1	1	1	0	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/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.