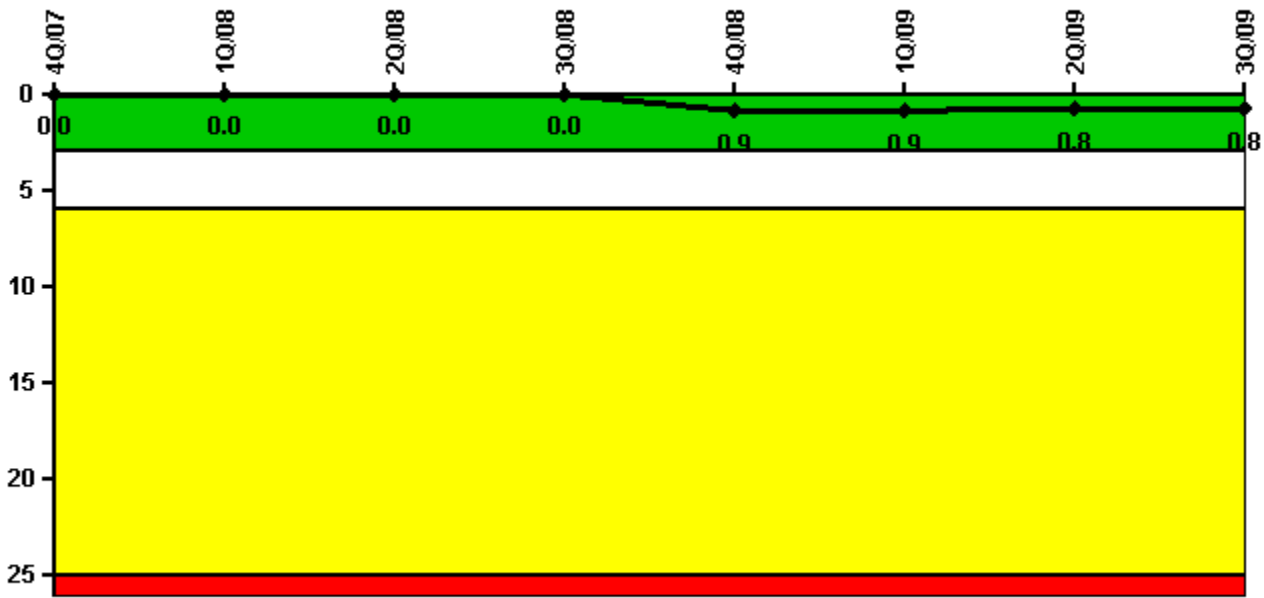


Brunswick 1

3Q/2009 Performance Indicators

Licensee's General Comments: FAQ 09-04 was approved by the NRC on 10/15/2009. This FAQ approval removed an Unplanned Scram with Complications that was counted on Unit 1 in November 2008. Therefore, this change file corrects previously submitted data by removing the USwC from November 2008.

Unplanned Scrams per 7000 Critical Hrs



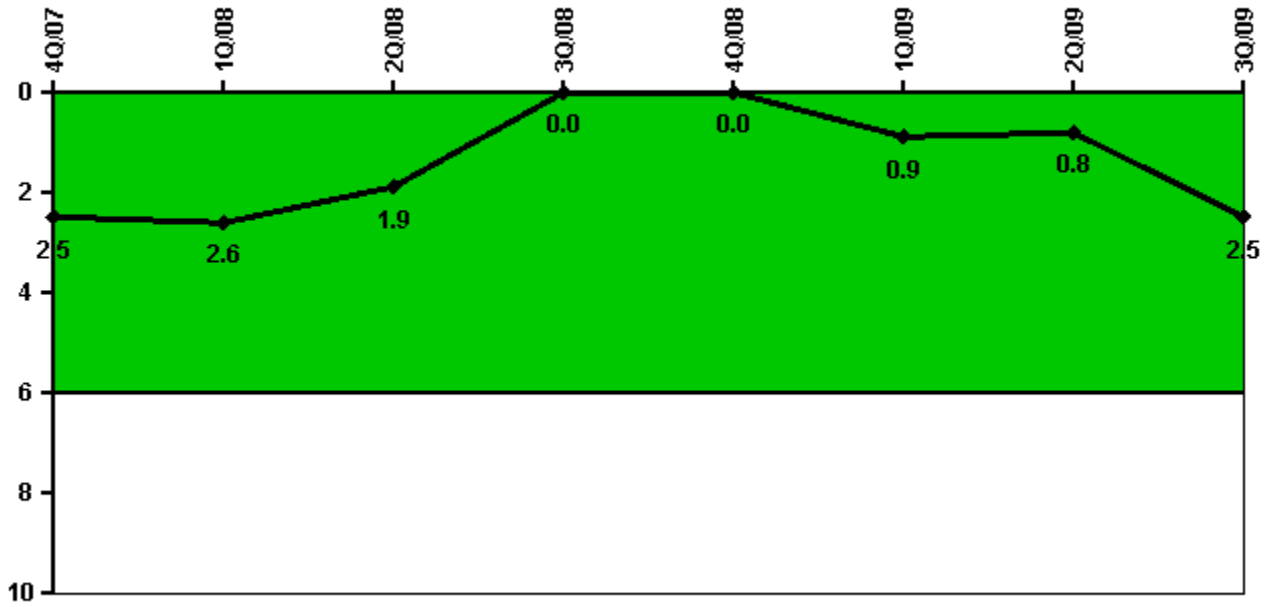
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	1778.0	1532.6	2208.0	2032.9	2159.0	2184.0	1971.6
Indicator value	0	0	0	0	0.9	0.9	0.8	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



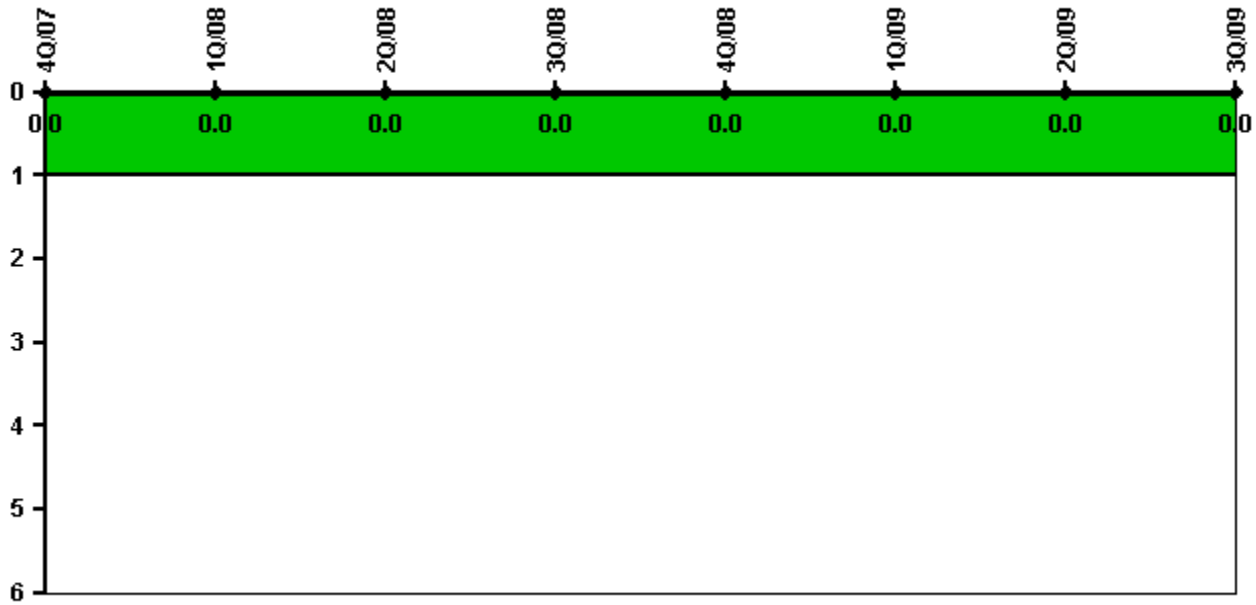
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	0	0	0	1.0	0	2.0
Critical hours	2209.0	1778.0	1532.6	2208.0	2032.9	2159.0	2184.0	1971.6
Indicator value	2.5	2.6	1.9	0	0	0.9	0.8	2.5

Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

Notes

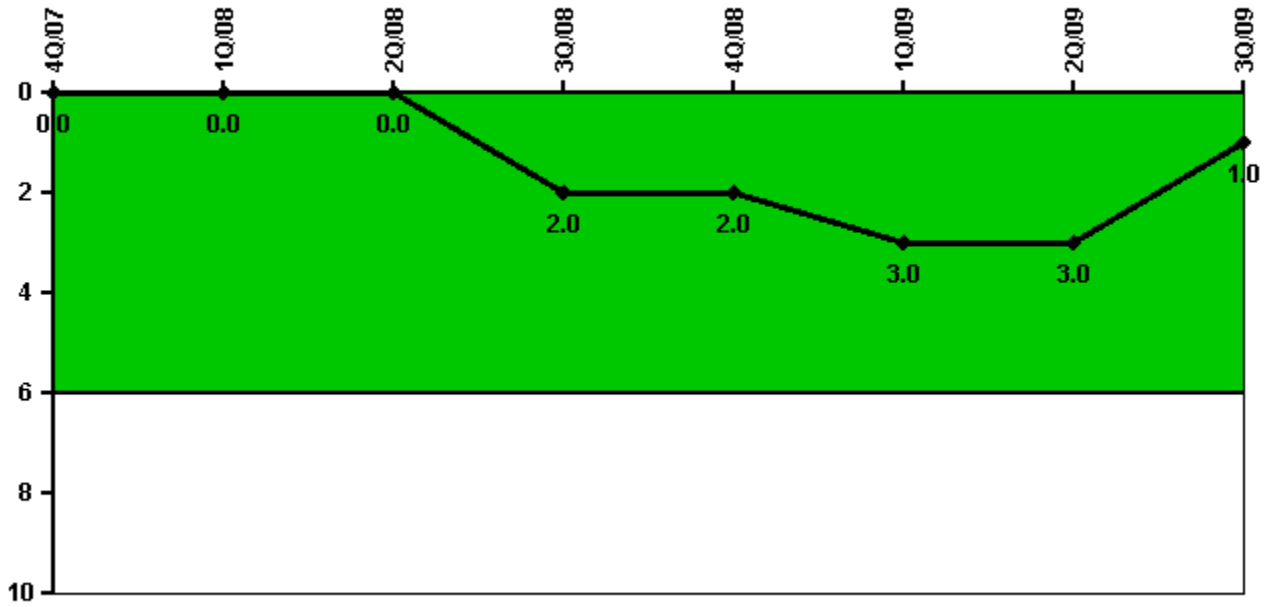
Unplanned Scrams with Complications	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments:

3Q/09: FAQ 09-04 was approved by the NRC on 10/15/2009. This FAQ approval removed an Unplanned Scram with Complications that was counted on Unit 1 in November 2008. Therefore, a change file will be submitted that corrects previously submitted data by removing the USwC from November 2008.

4Q/08: Unit 1 scram on 11/26/2008 classified as a scram with complications due to the unavailability of Feedwater. A FAQ will be submitted for clarification of the guidance pertaining to this event, and could impact the counting of this event as a scram with complications.

Safety System Functional Failures (BWR)



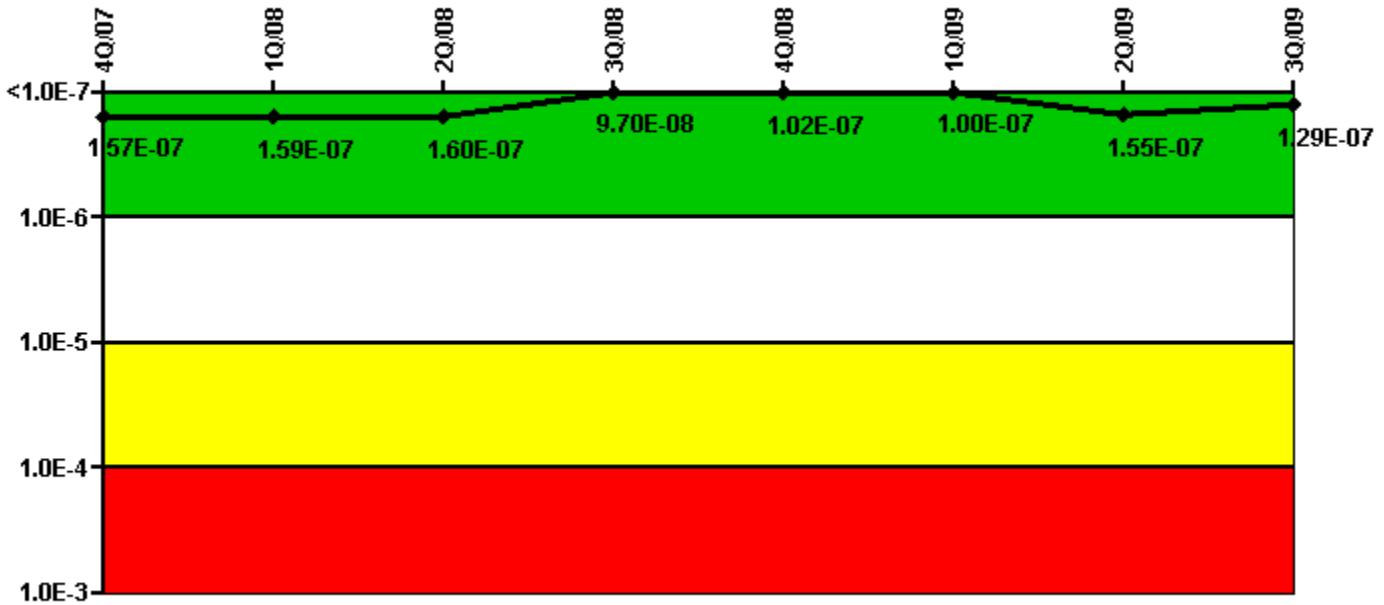
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



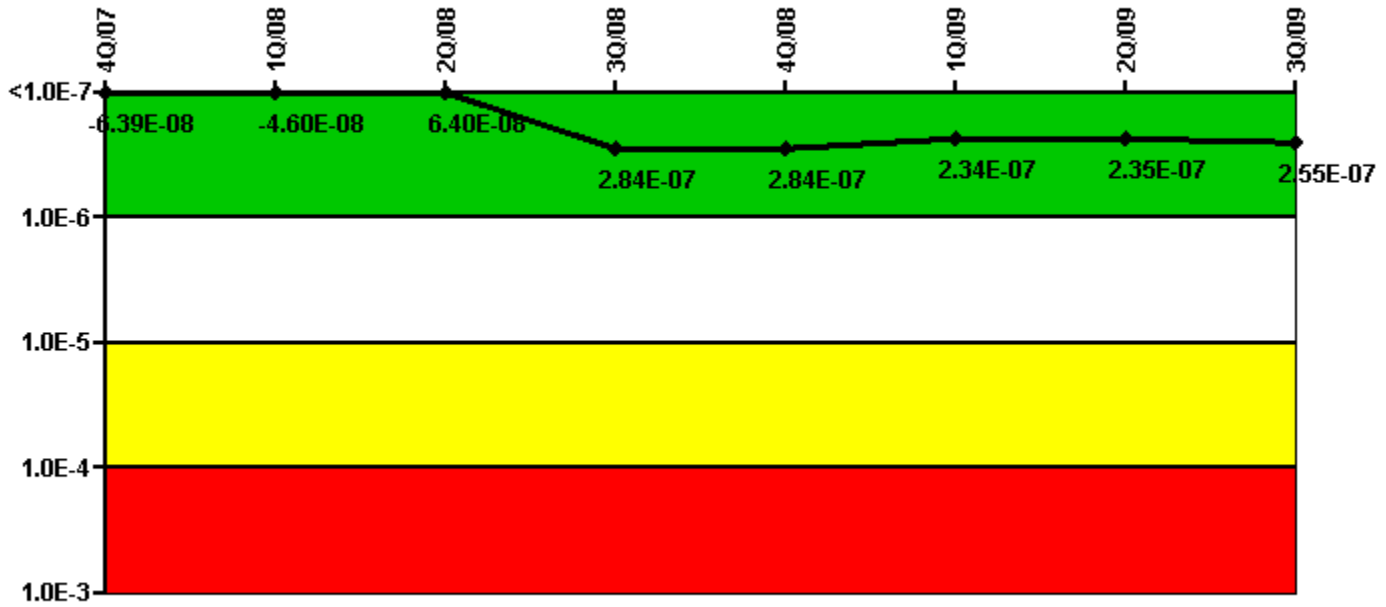
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	1.70E-08	1.90E-08	2.00E-08	1.30E-08	1.90E-08	1.80E-08	2.50E-08	3.20E-08
URI (Δ CDF)	1.40E-07	1.40E-07	1.40E-07	8.40E-08	8.30E-08	8.20E-08	1.30E-07	9.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.57E-07	1.59E-07	1.60E-07	9.70E-08	1.02E-07	1.00E-07	1.55E-07	1.29E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



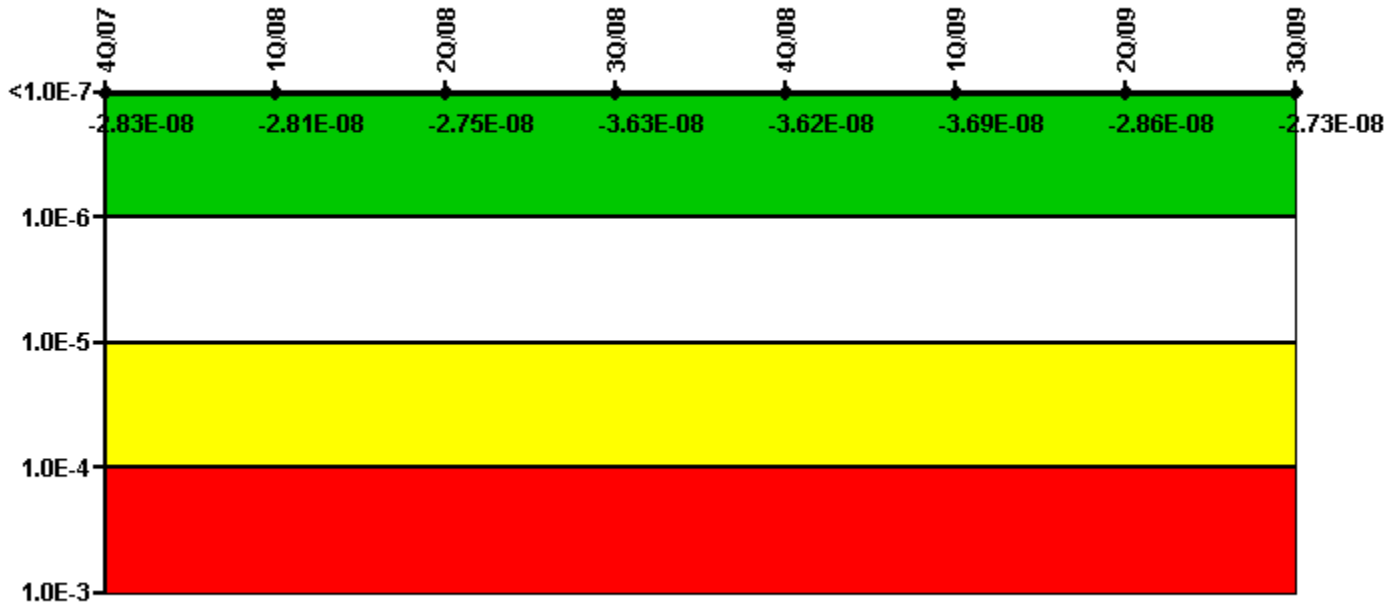
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	3.10E-09	2.10E-08	1.00E-07	2.10E-07	2.10E-07	1.60E-07	1.60E-07	1.80E-07
URI (ΔCDF)	-6.70E-08	-6.70E-08	-3.60E-08	7.40E-08	7.40E-08	7.40E-08	7.50E-08	7.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.39E-08	-4.60E-08	6.40E-08	2.84E-07	2.84E-07	2.34E-07	2.35E-07	2.55E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



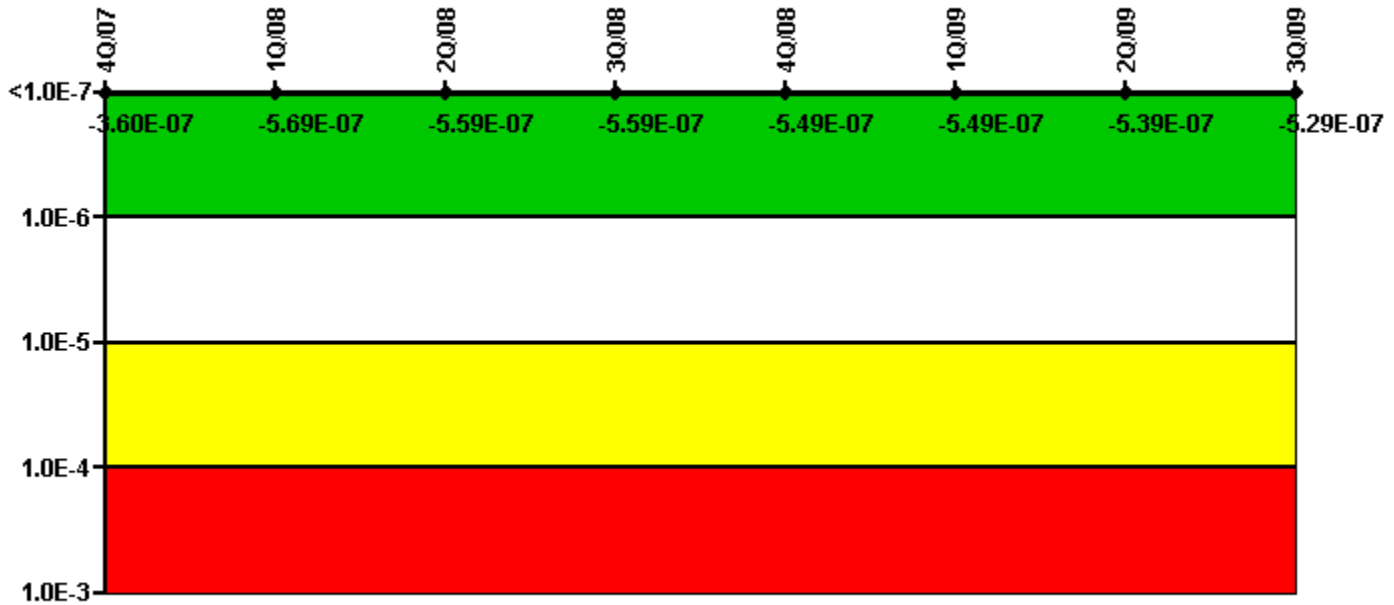
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	6.90E-10	8.80E-10	1.50E-09	7.20E-10	8.40E-10	1.10E-10	7.40E-09	8.70E-09
URI (Δ CDF)	-2.90E-08	-2.90E-08	-2.90E-08	-3.70E-08	-3.70E-08	-3.70E-08	-3.60E-08	-3.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.83E-08	-2.81E-08	-2.75E-08	-3.63E-08	-3.62E-08	-3.69E-08	-2.86E-08	-2.73E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



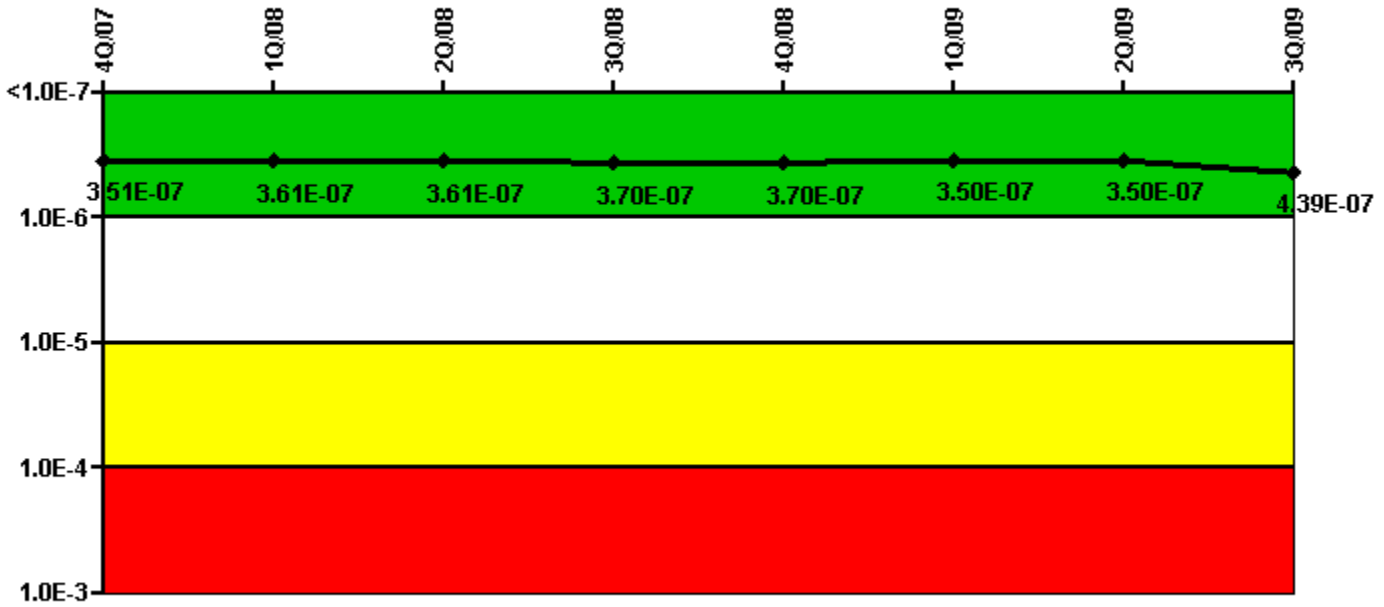
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	1.10E-07	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08
URI (Δ CDF)	-4.70E-07	-4.70E-07	-4.60E-07	-4.60E-07	-4.50E-07	-4.50E-07	-4.40E-07	-4.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.60E-07	-5.69E-07	-5.59E-07	-5.59E-07	-5.49E-07	-5.49E-07	-5.39E-07	-5.29E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



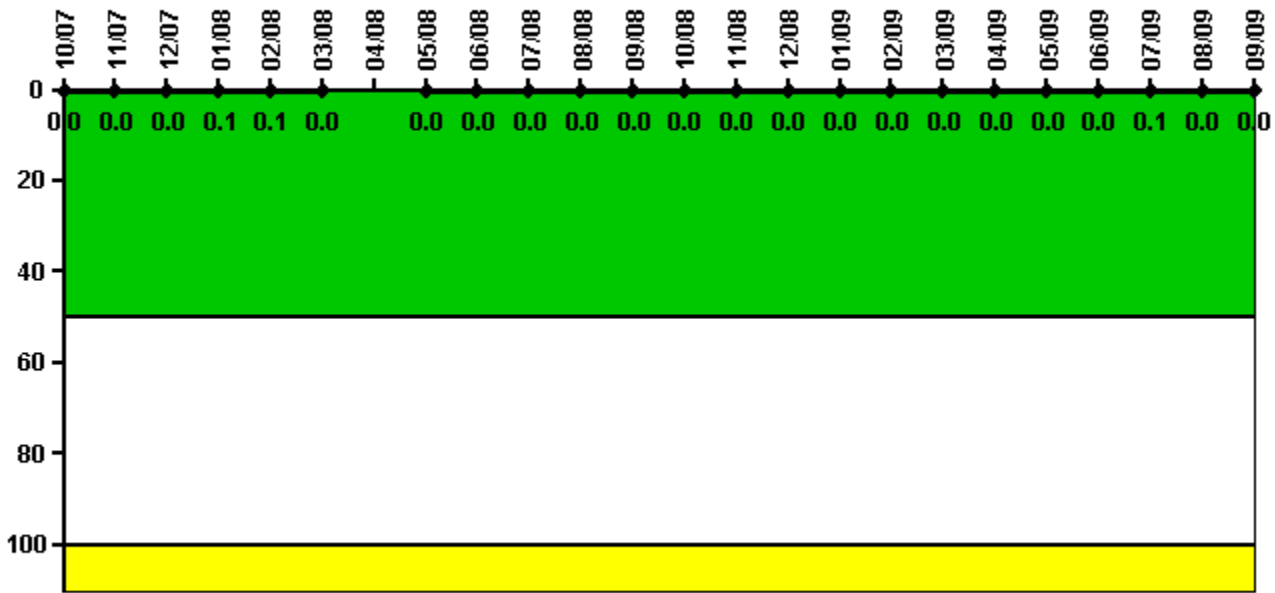
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	3.10E-07	3.20E-07	3.20E-07	3.30E-07	3.30E-07	3.10E-07	3.10E-07	4.00E-07
URI (Δ CDF)	4.10E-08	4.10E-08	4.10E-08	4.00E-08	4.00E-08	4.00E-08	4.00E-08	3.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.51E-07	3.61E-07	3.61E-07	3.70E-07	3.70E-07	3.50E-07	3.50E-07	4.39E-07

Licensee Comments: none

Reactor Coolant System Activity



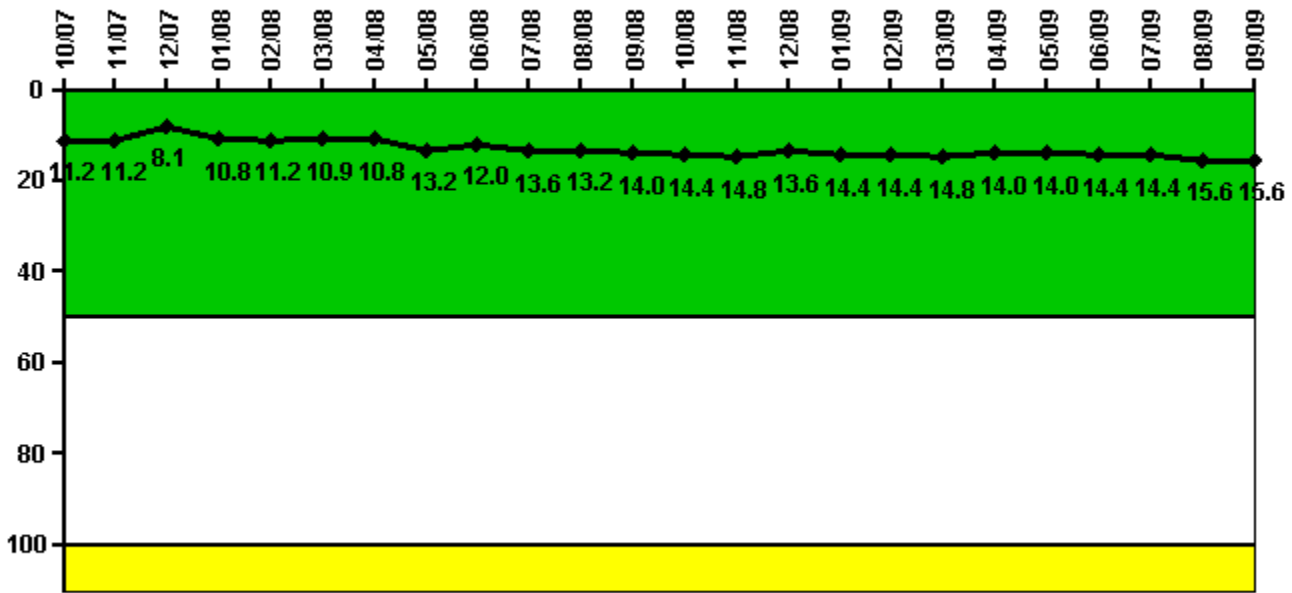
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum activity	0.000098	0.000096	0.000096	0.000130	0.000169	0.000089	N/A	0.000057	0.000058	0.000065	0.000056	0.000062
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0.1	0.1	0	N/A	0	0	0	0	0
Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	0.000060	0.000060	0.000089	0.000063	0.000065	0.000068	0.000070	0.000077	0.000067	0.000130	0.000071	0.000054
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0.1	0	0

Licensee Comments: none

Reactor Coolant System Leakage



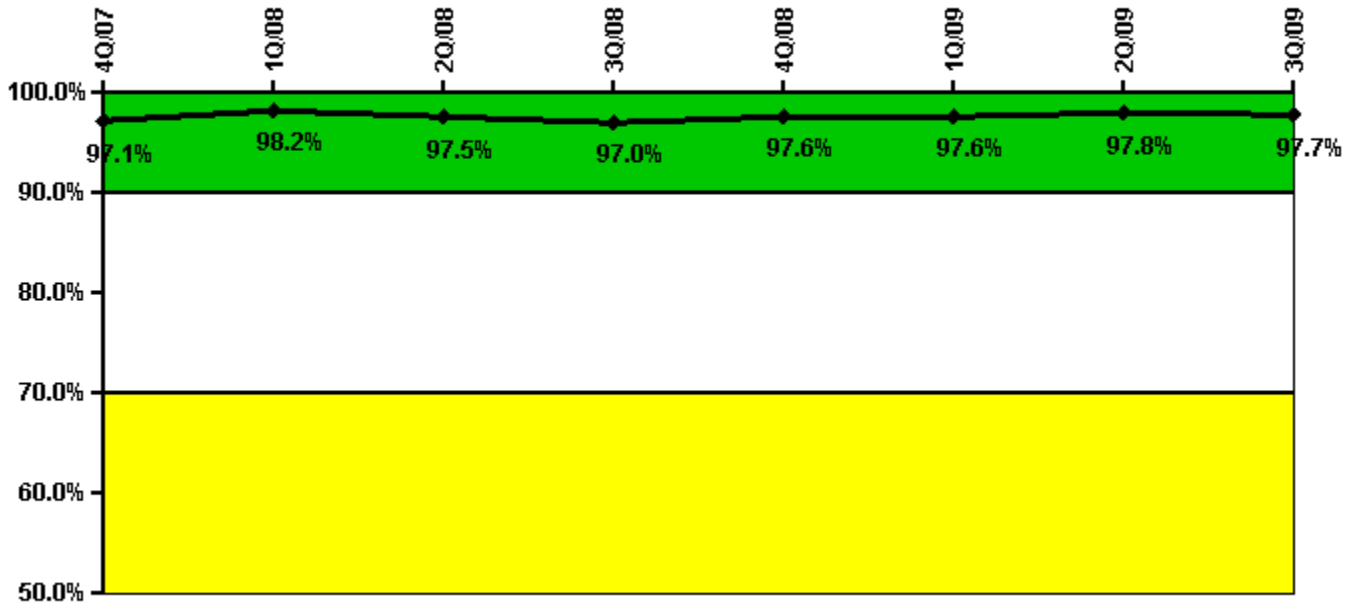
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	2.800	2.800	2.020	2.700	2.800	2.730	2.700	3.300	3.000	3.400	3.300	3.500
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	11.2	11.2	8.1	10.8	11.2	10.9	10.8	13.2	12.0	13.6	13.2	14.0
Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	3.600	3.700	3.400	3.600	3.600	3.700	3.500	3.500	3.600	3.600	3.900	3.900
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	14.4	14.8	13.6	14.4	14.4	14.8	14.0	14.0	14.4	14.4	15.6	15.6

Licensee Comments: none

Drill/Exercise Performance



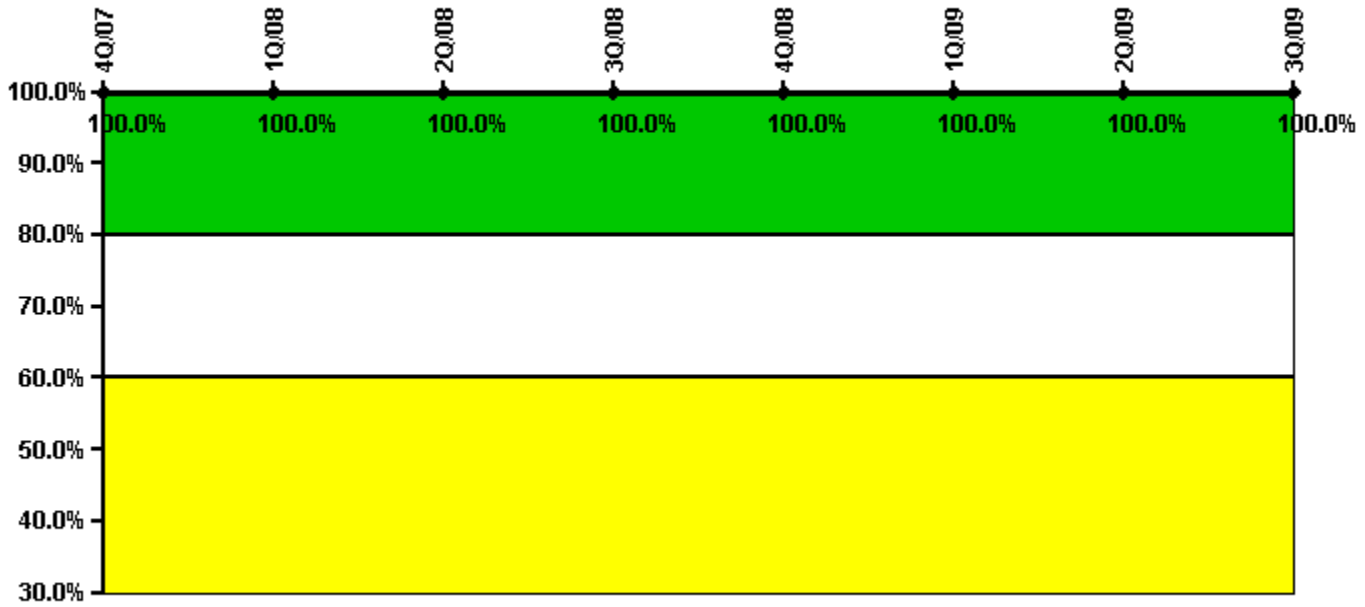
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	38.0	0	13.0	21.0	58.0	0	27.0	16.0
Total opportunities	38.0	0	14.0	22.0	60.0	0	27.0	16.0
Indicator value	97.1%	98.2%	97.5%	97.0%	97.6%	97.6%	97.8%	97.7%

Licensee Comments: none

ERO Drill Participation



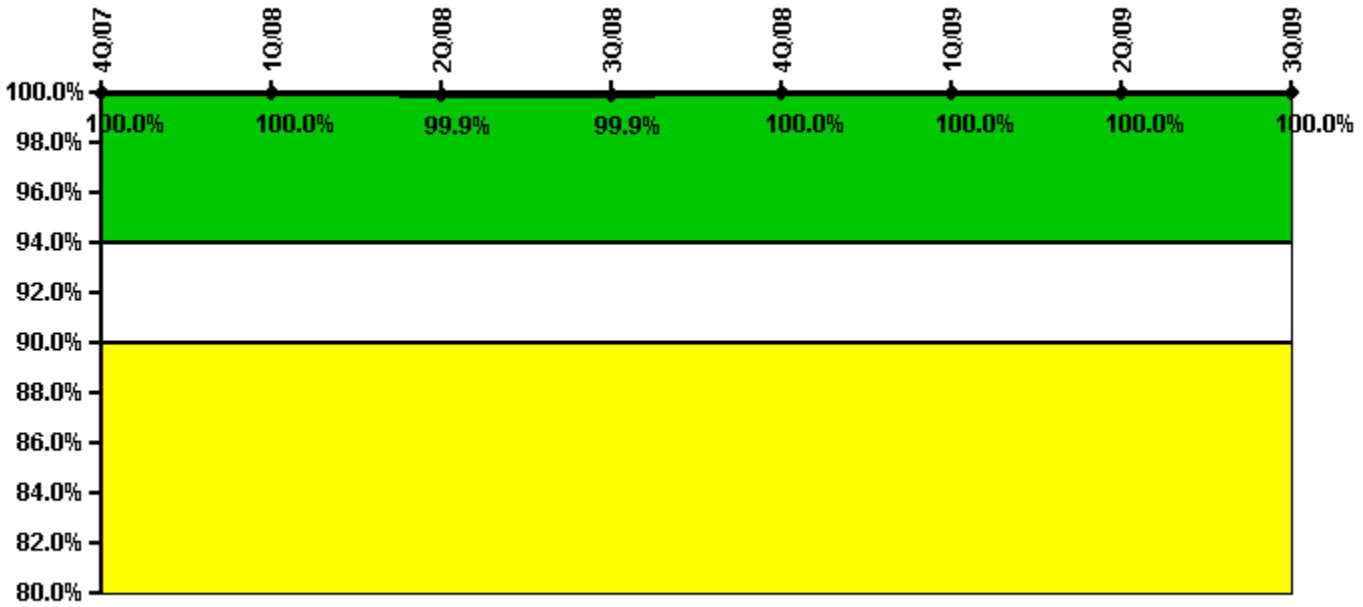
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	102.0	97.0	95.0	93.0	95.0	92.0	97.0	102.0
Total Key personnel	102.0	97.0	95.0	93.0	95.0	92.0	97.0	102.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



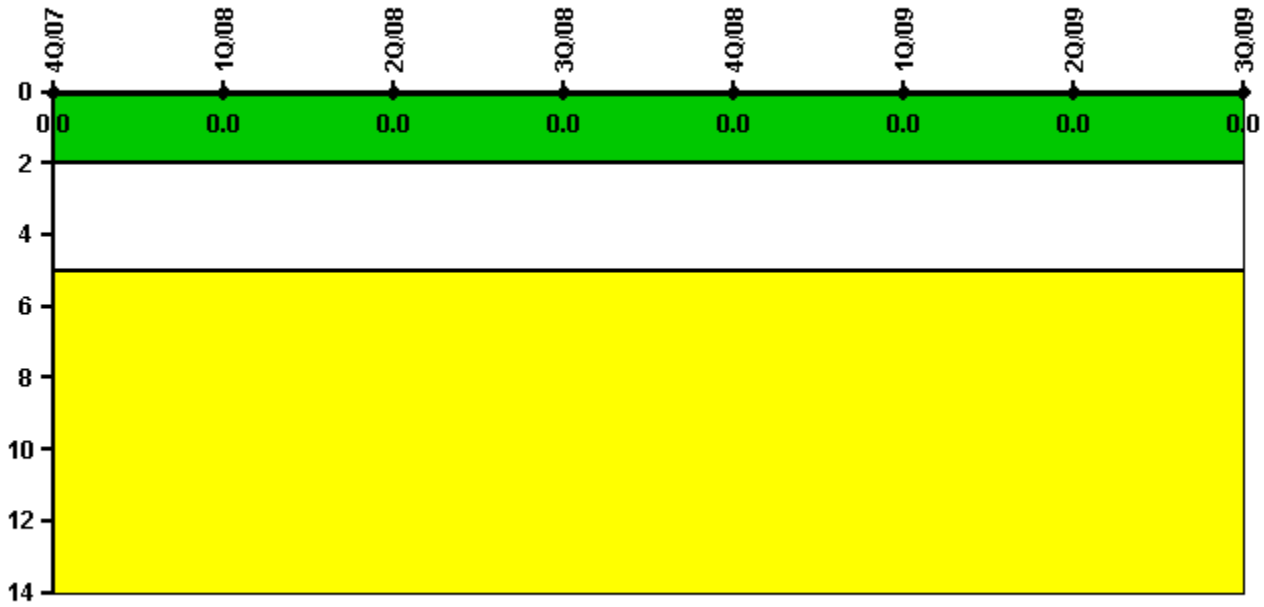
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	569	532	531	570	570	532	532	531
Total sirens-tests	570	532	532	570	570	532	532	532
Indicator value	100.0%	100.0%	99.9%	99.9%	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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/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.