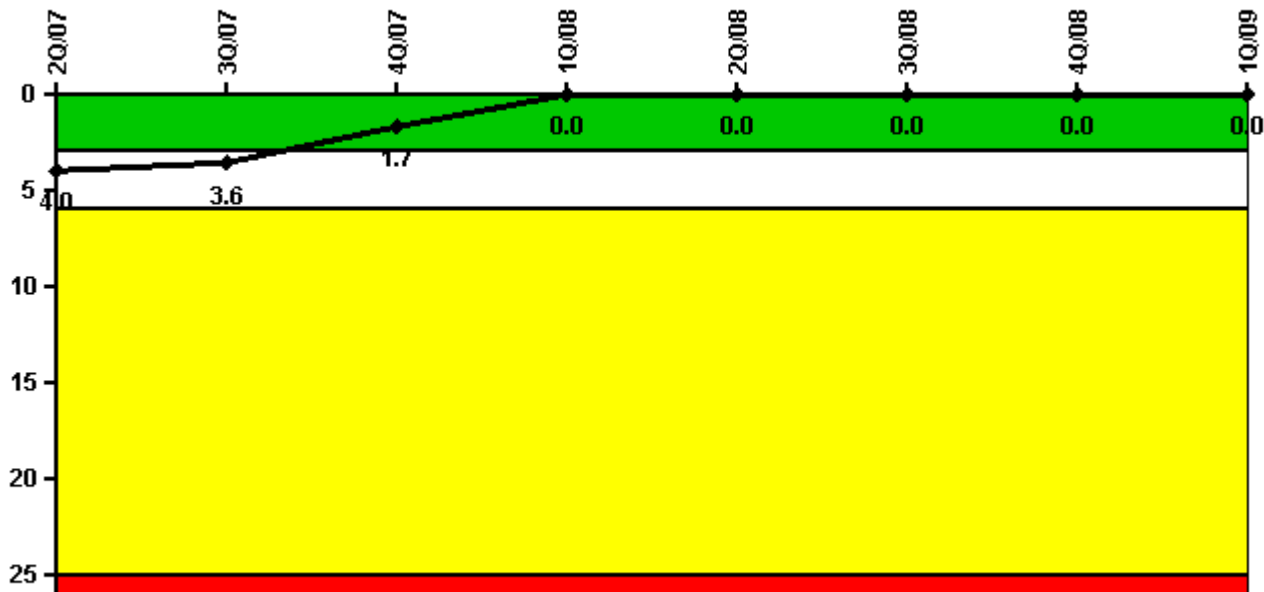


Kewaunee

1Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



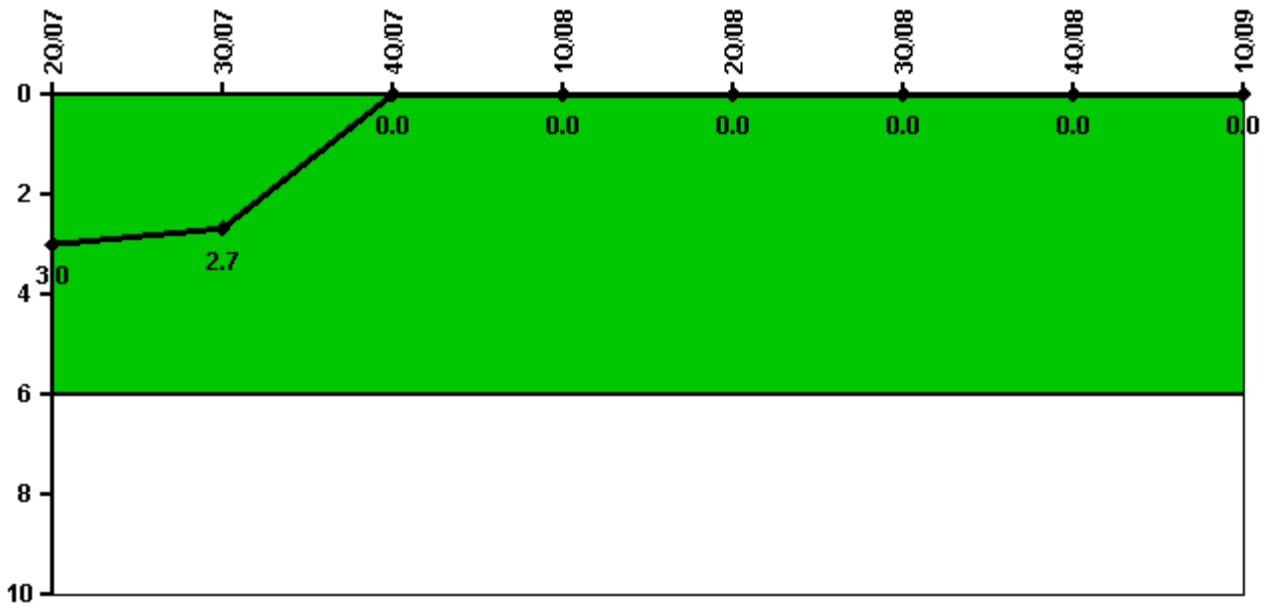
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2025.3	2111.9	1278.5	2208.0	2209.0	2159.0
Indicator value	4.0	3.6	1.7	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



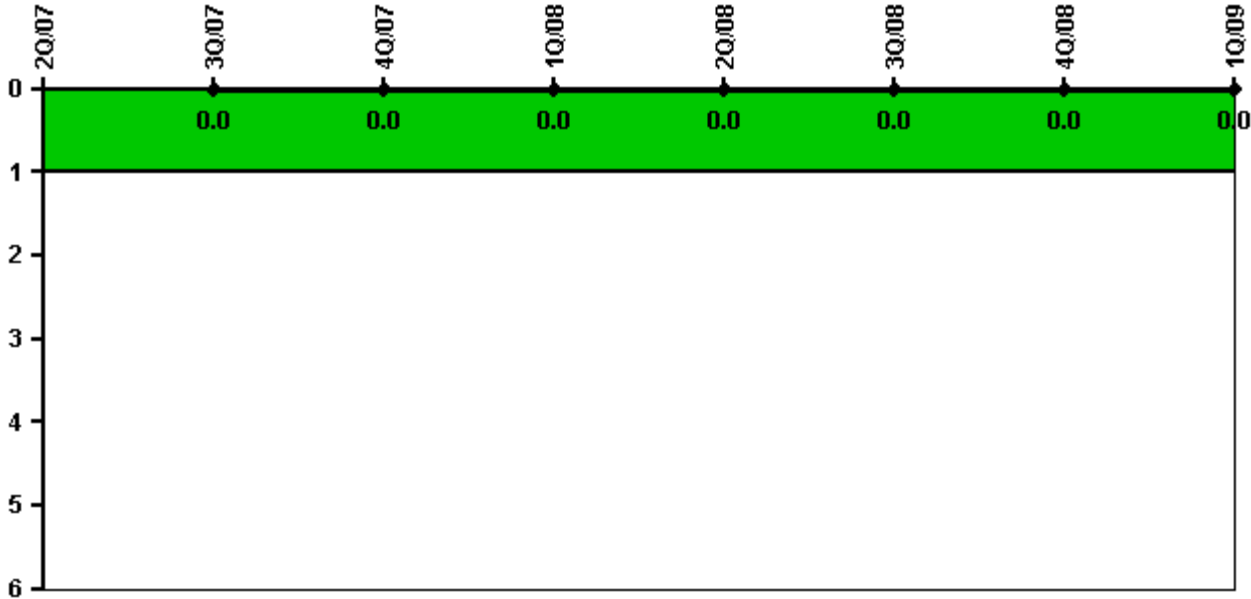
Thresholds: White > 6.0

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	0	0	0	0	0
Critical hours	2184.0	2208.0	2025.3	2111.9	1278.5	2208.0	2209.0	2159.0
Indicator value	3.0	2.7	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



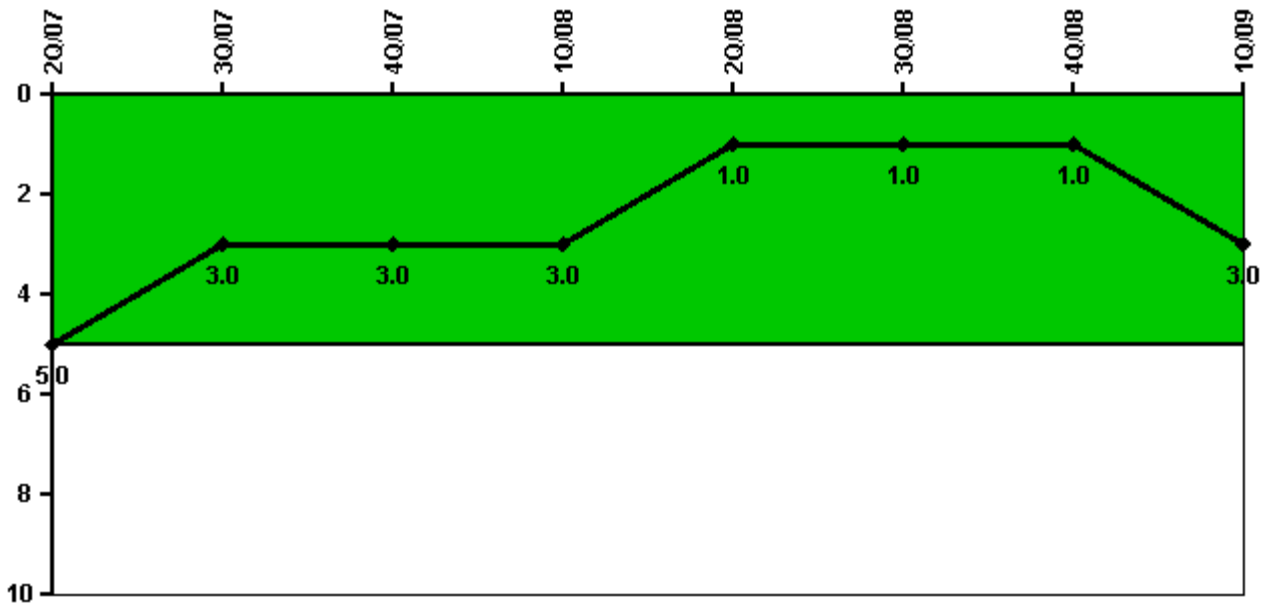
Thresholds: White > 1.0

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

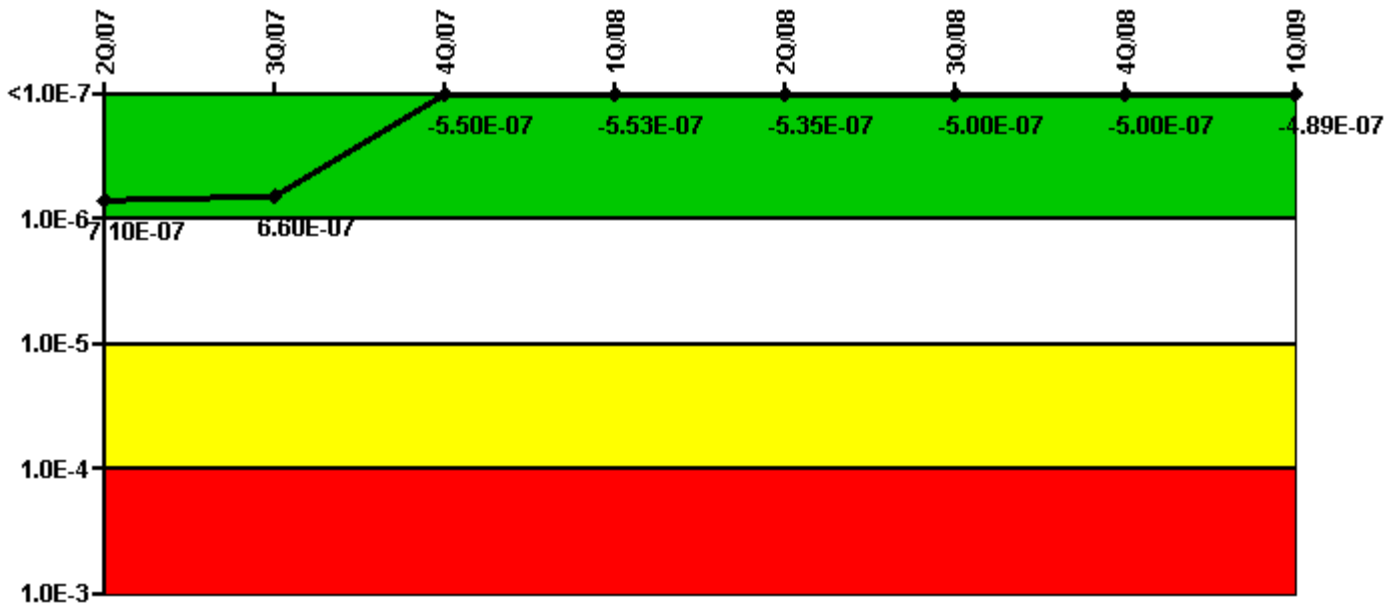
Notes

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	2	0	1	0	0	0	1	2
Indicator value	5	3	3	3	1	1	1	3

Licensee Comments:

1Q/09: 2/27/09 - LER 2008-003: Door Bottom Seal Failure Results in Inoperability of Control Room Ventilation System; and 3/30/09 - LER 2009-002; Steam Exclusion Door Blocked Open During Maintenance Activities

Mitigating Systems Performance Index, Emergency AC Power System



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

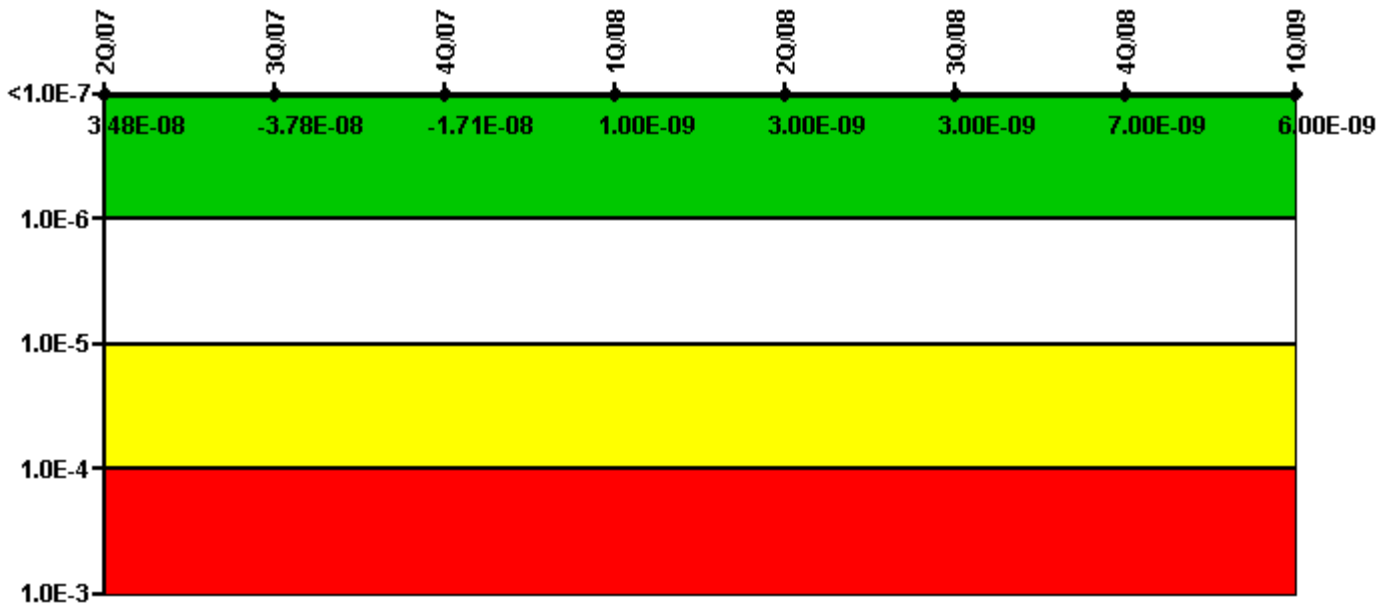
Notes

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)	1.90E-07	1.40E-07	8.00E-08	8.70E-08	7.50E-08	1.10E-07	1.00E-07	9.10E-08
URI (ΔCDF)	5.20E-07	5.20E-07	-6.30E-07	-6.40E-07	-6.10E-07	-6.10E-07	-6.00E-07	-5.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.10E-07	6.60E-07	-5.50E-07	-5.53E-07	-5.35E-07	-5.00E-07	-5.00E-07	-4.89E-07

Licensee Comments:

1Q/09: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



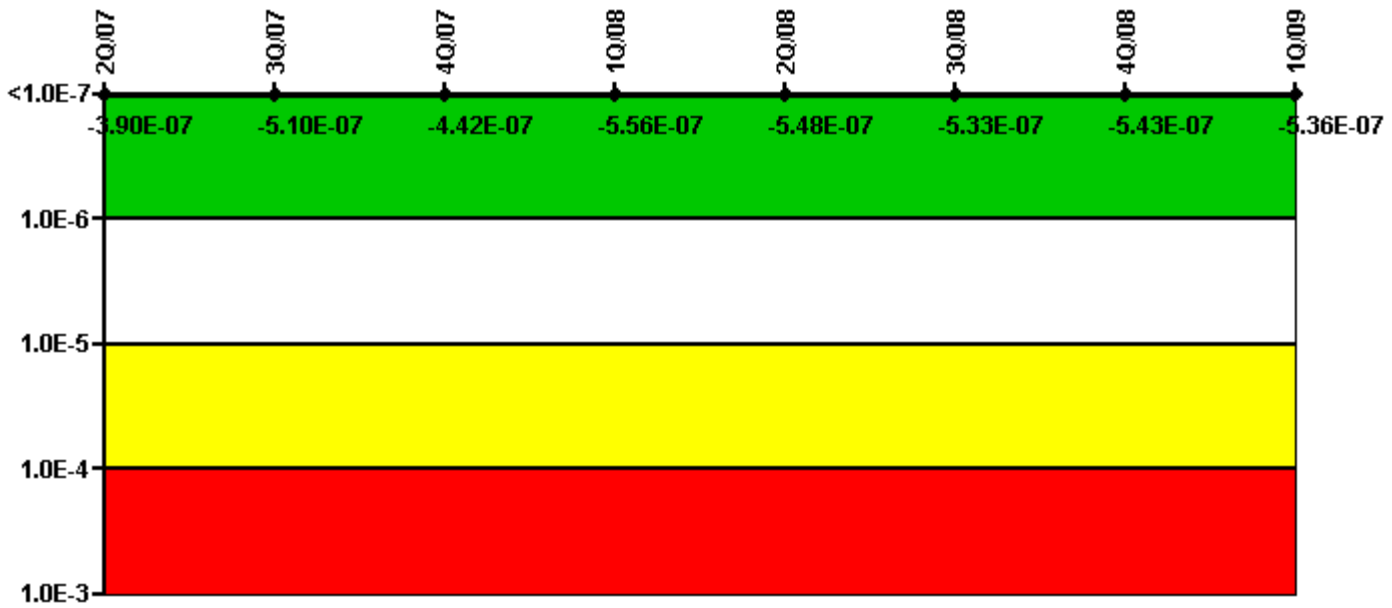
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-6.20E-09	-2.80E-09	2.90E-09	2.30E-08	2.60E-08	2.70E-08	3.00E-08	3.00E-08
URI (Δ CDF)	4.10E-08	-3.50E-08	-2.00E-08	-2.20E-08	-2.30E-08	-2.40E-08	-2.30E-08	-2.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.48E-08	-3.78E-08	-1.71E-08	1.00E-09	3.00E-09	3.00E-09	7.00E-09	6.00E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



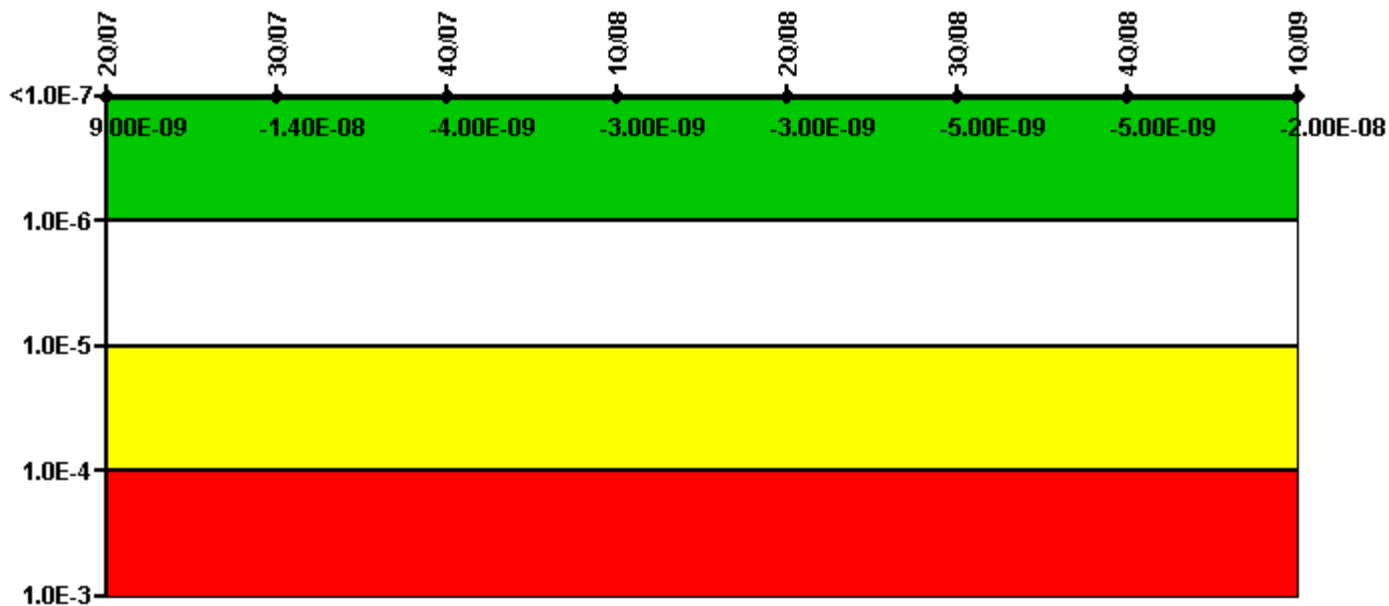
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	1.00E-07	4.00E-08	1.80E-08	-7.60E-08	-7.80E-08	-5.30E-08	-7.30E-08	-7.60E-08
URI (Δ CDF)	-4.90E-07	-5.50E-07	-4.60E-07	-4.80E-07	-4.70E-07	-4.80E-07	-4.70E-07	-4.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.90E-07	-5.10E-07	-4.42E-07	-5.56E-07	-5.48E-07	-5.33E-07	-5.43E-07	-5.36E-07

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	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	6.00E-08	3.60E-08	3.10E-08	3.10E-08	2.70E-08	2.50E-08	2.60E-08	1.20E-08
URI (Δ CDF)	-5.10E-08	-5.00E-08	-3.50E-08	-3.40E-08	-3.00E-08	-3.00E-08	-3.10E-08	-3.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.00E-09	-1.40E-08	-4.00E-09	-3.00E-09	-3.00E-09	-5.00E-09	-5.00E-09	-2.00E-08

Licensee Comments:

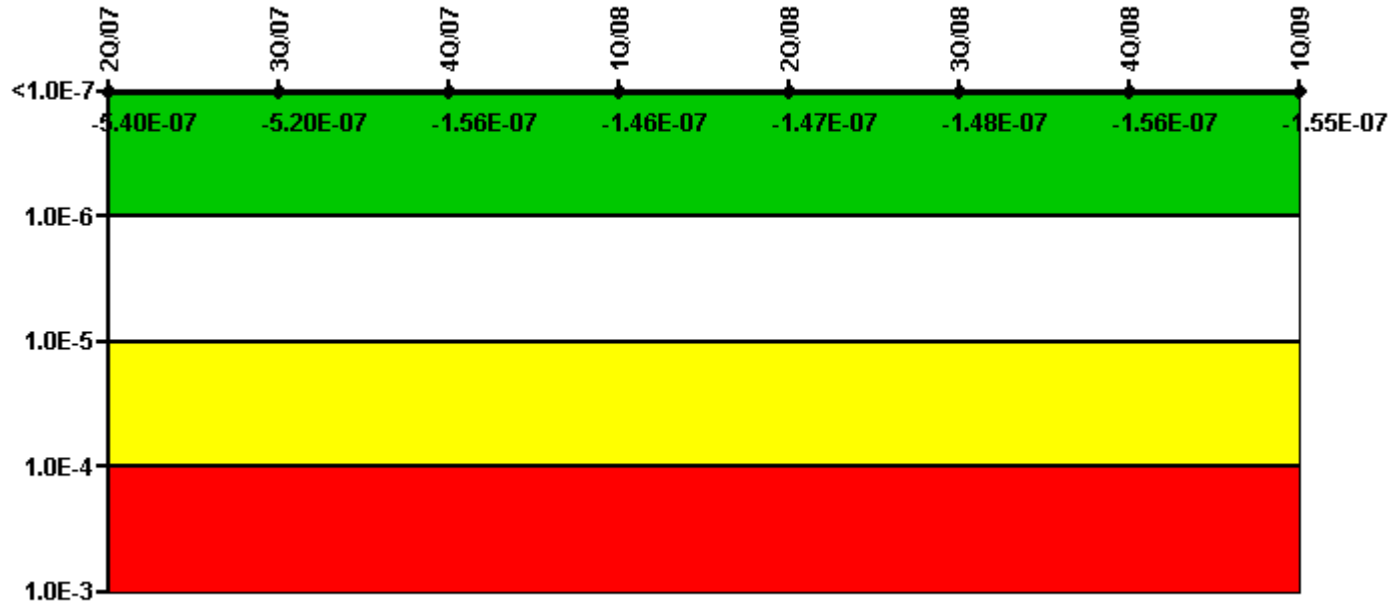
4Q/08: PRA data for MSPI systems and components have been updated for use in the first quarter of 2009 to reflect PRA changes made under model K107Aa that was issued for use on November 12, 2008. An FAQ has been submitted concerning the use of dedicated operators during performance of procedure OP-KW-ORT-SI-001A(B). If the FAQ is not approved, an additional 14.59 hours of planned unavailability will be added to MSPI RHR system data for 2008. The additional unavailability will not impact the current color of the indicator (GREEN). 4/16/09--Changes were made to Residual Heat Removal planned unavailability data for quarters 1-4 in 2008. It was determined that an evolution that used dedicated operators to maintain RHR system availability was not in accordance with NEI 99-02 guidance. Therefore, the unavailability associated with the evolution has been included with the unavailability totals for each quarter. This change did not cause the MSPI value for RHR to exceed the green/white threshold.

3Q/08: Changes were made to Residual Heat Removal planned unavailability data for quarters 1-4 in 2008. It was determined that an evolution that used dedicated operators to maintain RHR system availability was not in accordance with NEI 99-02 guidance. Therefore, the unavailability associated with the evolution has been included with the unavailability totals for each quarter. This change did not cause the MSPI value for RHR to exceed the green/white threshold.

2Q/08: Changes were made to Residual Heat Removal planned unavailability data for quarters 1-4 in 2008. It was determined that an evolution that used dedicated operators to maintain RHR system availability was not in accordance with NEI 99-02 guidance. Therefore, the unavailability associated with the evolution has been included with the unavailability totals for each quarter. This change did not cause the MSPI value for RHR to exceed the green/white threshold.

1Q/08: Changes were made to Residual Heat Removal planned unavailability data for quarters 1-4 in 2008. It was determined that an evolution that used dedicated operators to maintain RHR system availability was not in accordance with NEI 99-02 guidance. Therefore, the unavailability associated with the evolution has been included with the unavailability totals for each quarter. This change did not cause the MSPI value for RHR to exceed the green/white threshold.

Mitigating Systems Performance Index, Cooling Water Systems



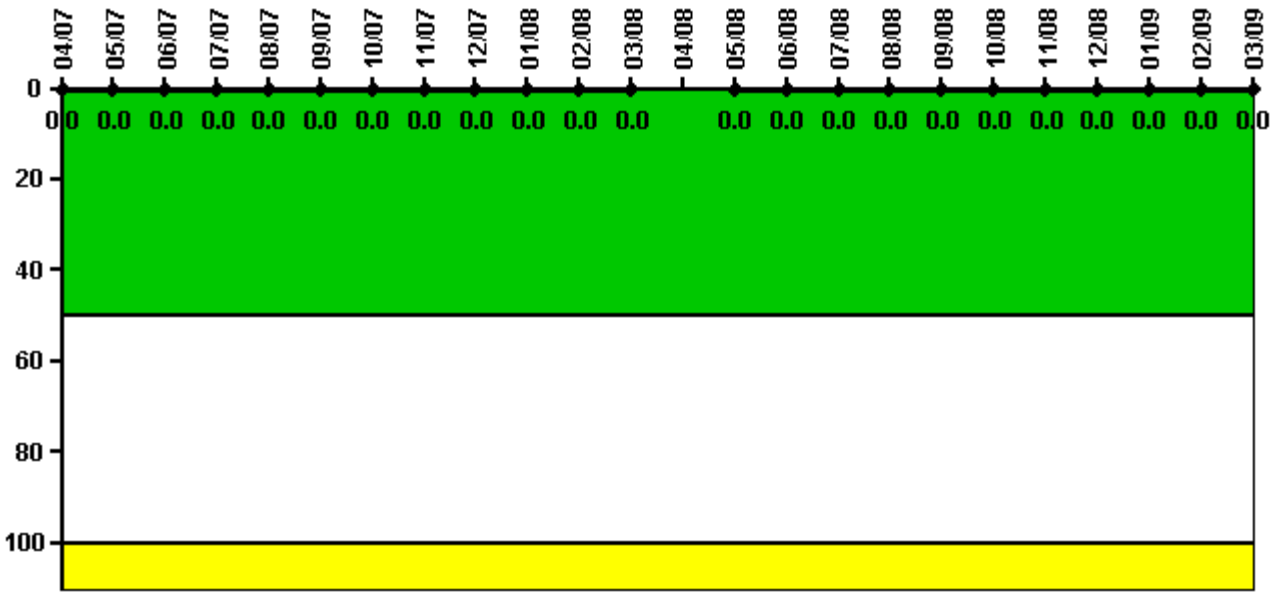
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	-1.40E-07	-1.30E-07	-1.10E-07	-1.00E-07	-9.90E-08	-1.00E-07	-1.10E-07	-1.10E-07
URI (Δ CDF)	-4.00E-07	-3.90E-07	-4.60E-08	-4.60E-08	-4.80E-08	-4.80E-08	-4.60E-08	-4.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.40E-07	-5.20E-07	-1.56E-07	-1.46E-07	-1.47E-07	-1.48E-07	-1.56E-07	-1.55E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

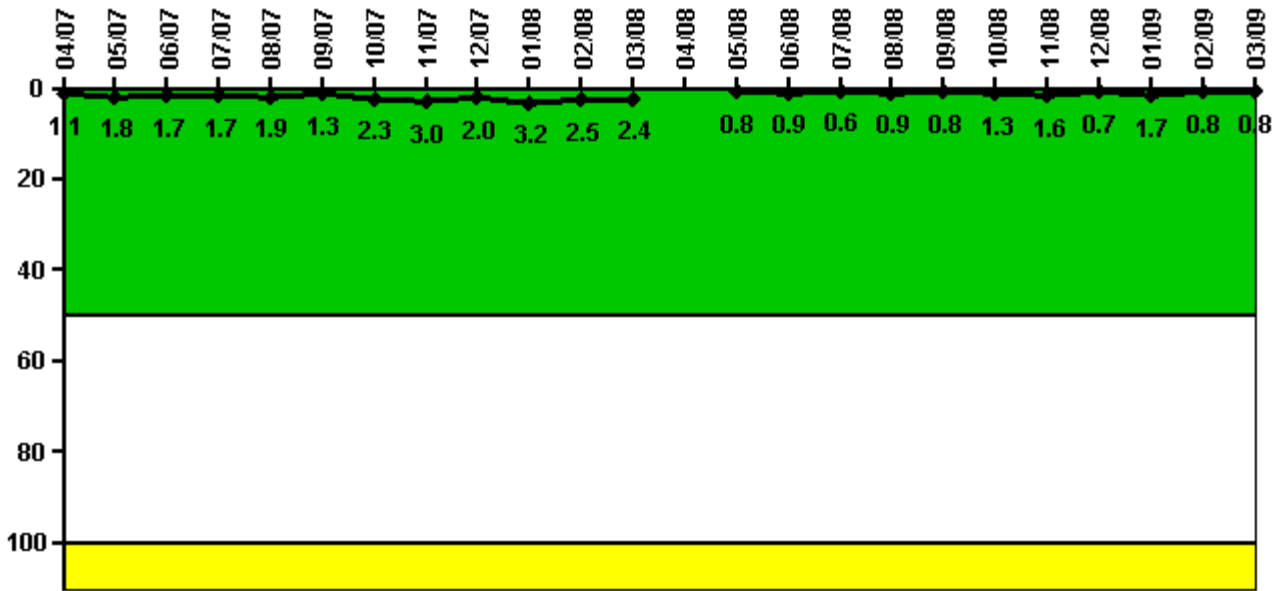
Notes

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	0.000096	0.000094	0.000097	0.000098	0.000103	0.000107	0.000105	0.000111	0.000112	0.000114	0.000121	0.000122
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

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	N/A	0.000021	0.000093	0.000099	0.000115	0.000118	0.000123	0.000135	0.000132	0.000134	0.000137	0.000167
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	N/A	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



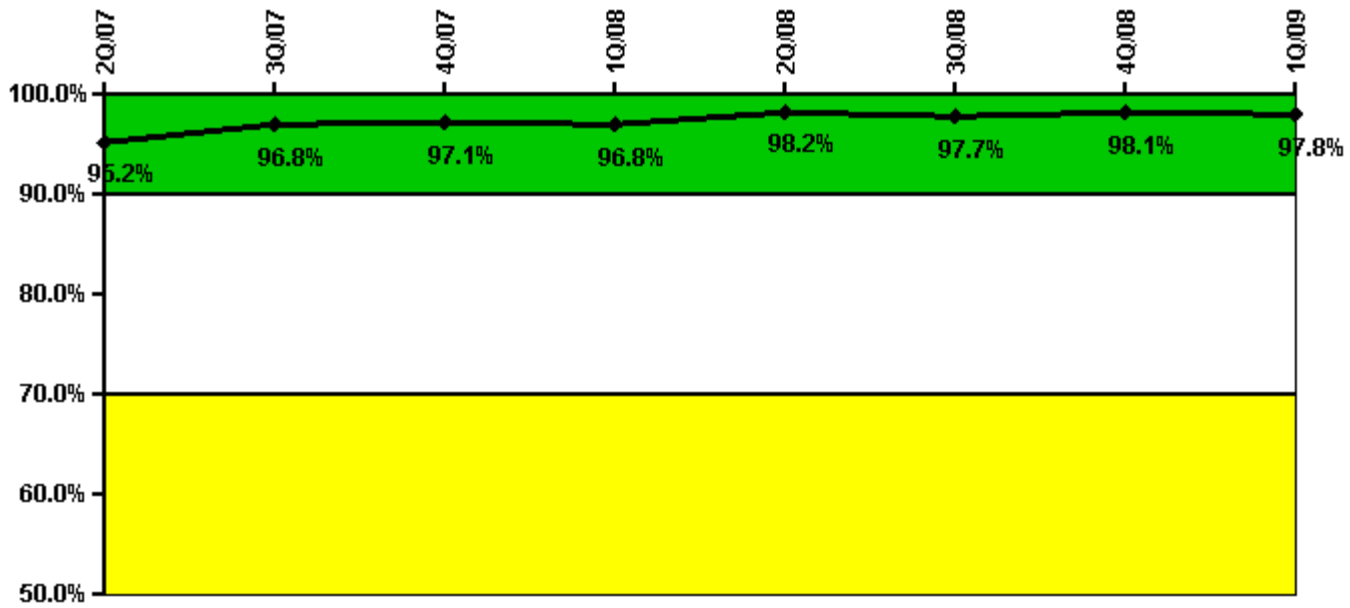
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.114	0.180	0.171	0.166	0.187	0.134	0.231	0.295	0.198	0.316	0.250	0.239
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	1.8	1.7	1.7	1.9	1.3	2.3	3.0	2.0	3.2	2.5	2.4
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	N/A	0.076	0.085	0.059	0.088	0.084	0.132	0.158	0.069	0.167	0.082	0.084
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	N/A	0.8	0.9	0.6	0.9	0.8	1.3	1.6	0.7	1.7	0.8	0.8

Licensee Comments: none

Drill/Exercise Performance



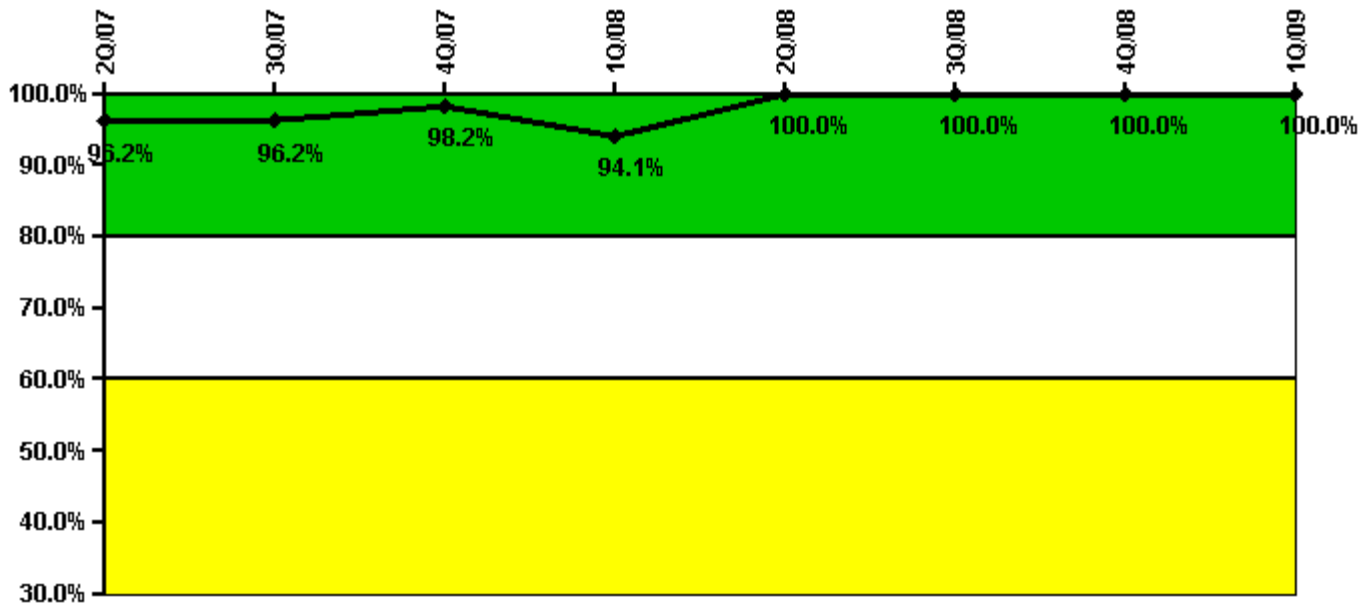
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	35.0	53.0	15.0	32.0	44.0	16.0	55.0	58.0
Total opportunities	36.0	54.0	16.0	33.0	44.0	18.0	55.0	59.0
Indicator value	95.2%	96.8%	97.1%	96.8%	98.2%	97.7%	98.1%	97.8%

Licensee Comments: none

ERO Drill Participation



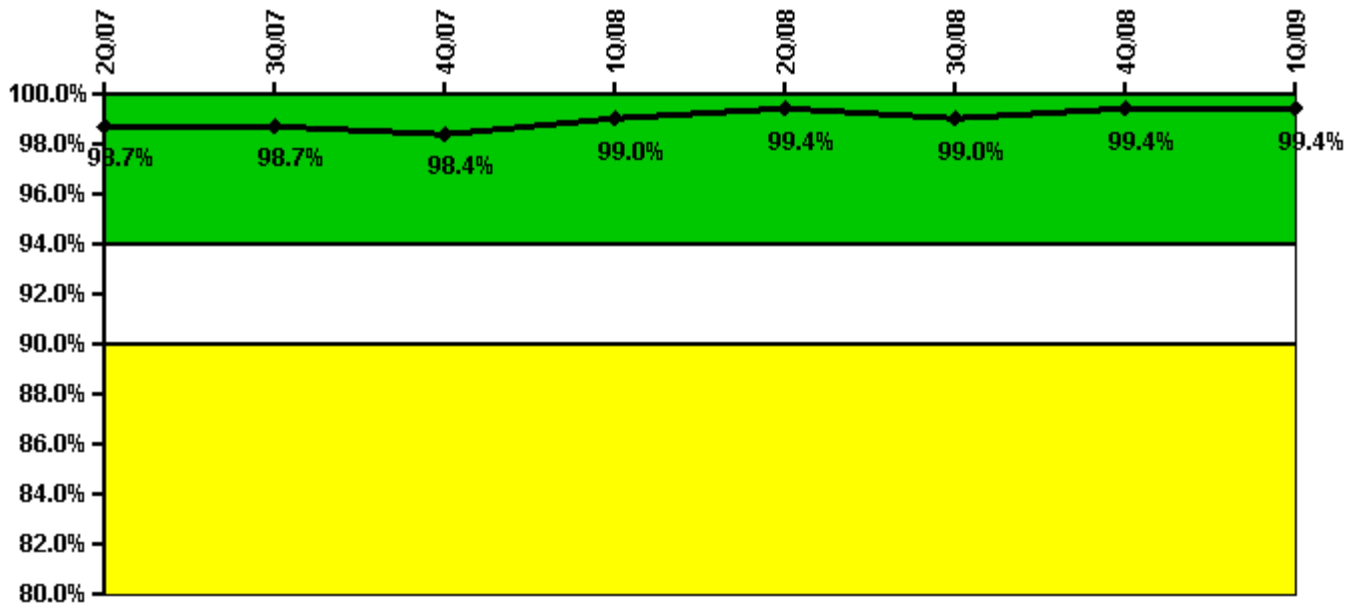
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	50.0	51.0	54.0	48.0	52.0	52.0	57.0	59.0
Total Key personnel	52.0	53.0	55.0	51.0	52.0	52.0	57.0	59.0
Indicator value	96.2%	96.2%	98.2%	94.1%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



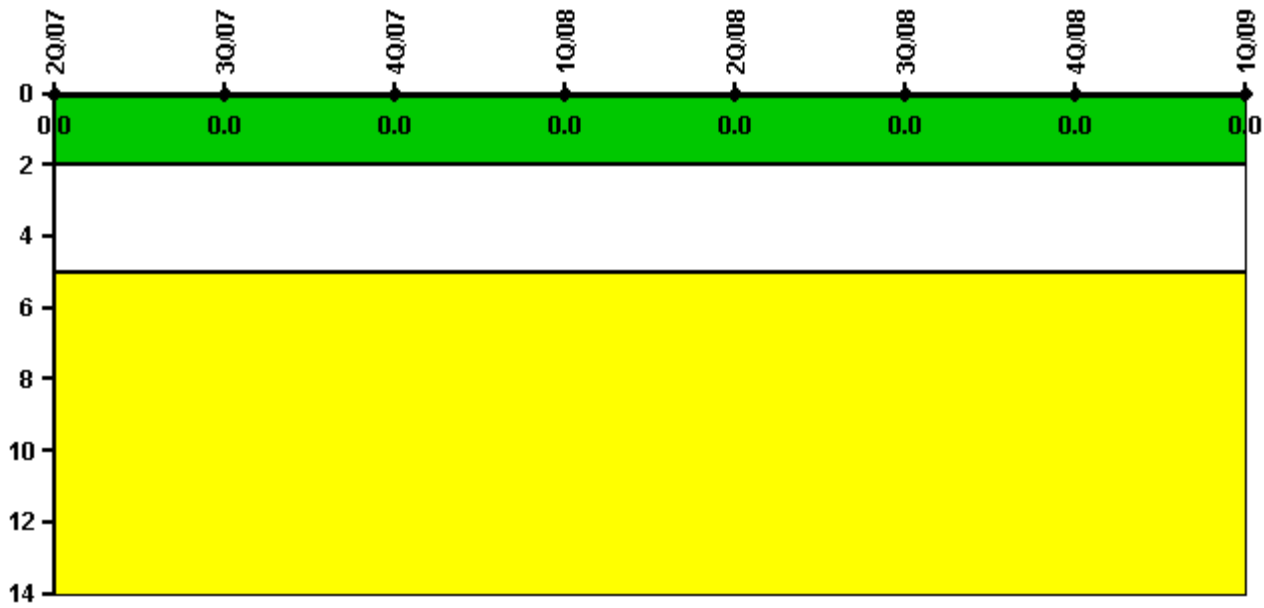
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	76	78	77	78	77	77	78	78
Total sirens-tests	78	78	78	78	78	78	78	78
Indicator value	98.7%	98.7%	98.4%	99.0%	99.4%	99.0%	99.4%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



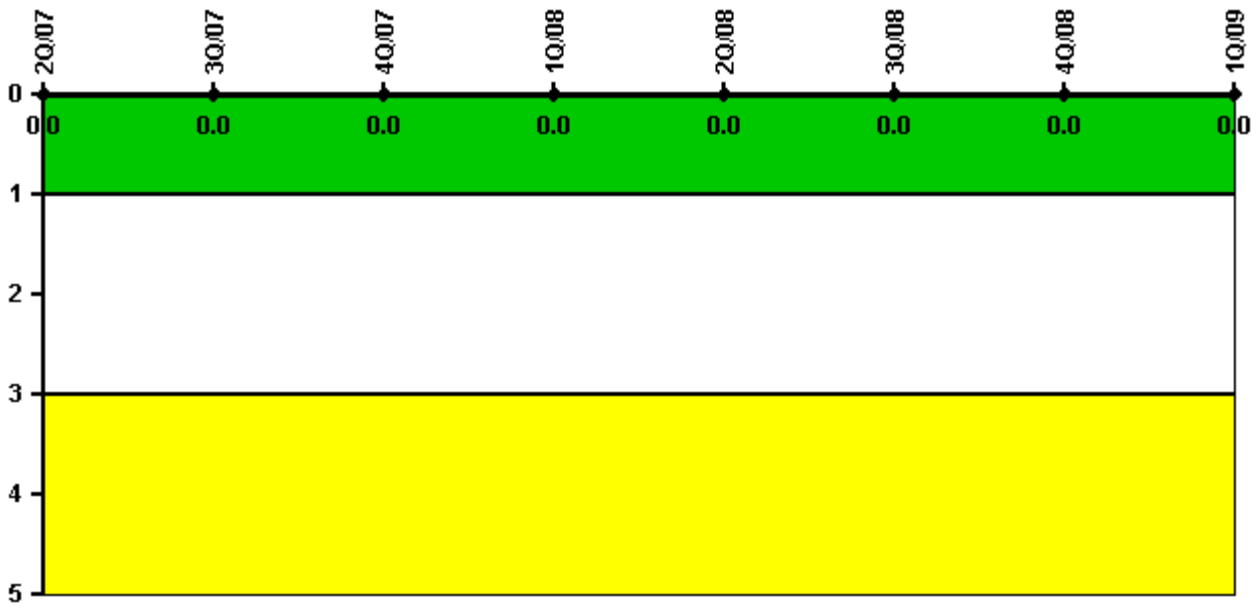
Thresholds: White > 2.0 Yellow > 5.0

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.